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FINAL REPORT

Maryvale Area Drainage Master Study

Hydrology

Appendix K: Supplement
HEC-1 Output Files

FCD #93-29

Prepared for

Flood Control District of Maricopa County

FEBRUARY 1997

Prepared by

Wood, Patel & Associates, Inc.

in Association with

CH2M HILL

Maryvale ADMS: HEC-1 Output
Existing Conditions: 10-Year, 6-Hour Event

```
1*****************************************
 *                                       *
 *   FLOOD HYDROGRAPH PACKAGE  (HEC-1)   *
 *              MAY   1991               *
 *            VERSION 4.0.1E             *
 *                                       *
 *  RUN DATE  01/26/97  TIME  18:56:16   *
 *                                       *
 *****************************************
```

```
*****************************************
*                                       *
*    U.S. ARMY CORPS OF ENGINEERS       *
*    HYDROLOGIC ENGINEERING CENTER      *
*          609 SECOND STREET            *
*       DAVIS, CALIFORNIA 95616         *
*           (916) 551-1748              *
*                                       *
*****************************************
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X     X  XXXXXXX   XXXXX          X
X     X  X        X     X        XX
X     X  X        X              X
XXXXXXX  XXXX     X        XXXXX X
X     X  X        X              X
X     X  X        X     X        X
X     X  XXXXXXX   XXXXX         XXX
```

THIS PROGRAM REPLACES ALL PREVIOUS VERSIONS OF HEC-1 KNOWN AS HEC1 (JAN 73), HEC1GS, HEC1DB, AND HEC1KW.

THE DEFINITIONS OF VARIABLES -RTIMP- AND -RTIOR- HAVE CHANGED FROM THOSE USED WITH THE 1973-STYLE INPUT STRUCTURE.
THE DEFINITION OF -AMSKK- ON RM-CARD WAS CHANGED WITH REVISIONS DATED 28 SEP 81. THIS IS THE FORTRAN77 VERSION
NEW OPTIONS: DAMBREAK OUTFLOW SUBMERGENCE , SINGLE EVENT DAMAGE CALCULATION, DSS:WRITE STAGE FREQUENCY,
DSS:READ TIME SERIES AT DESIRED CALCULATION INTERVAL LOSS RATE:GREEN AND AMPT INFILTRATION
KINEMATIC WAVE: NEW FINITE DIFFERENCE ALGORITHM

1 HEC-1 INPUT PAGE 1

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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

   1          ID   MARYVALE ADMS - FCD#93-29: CH2M HILL & Wood/Patel & Associates
   2          ID   Model for Entire Study Area (Approximately 100 square miles)
   3          ID   Existing Conditions
   4          ID   10Yr-6Hr Event
   5          ID   Clark Unit Hydrograph
   6          ID   6-Hour Rainfall Patterns were used to determine TC & R
   7          ID   Green-Ampt Precipitation Losses
   8          ID   Model Prepared and Checked by David Dust and Jim Geisbush
   9          ID   MV10-6 (BASE79): SWW\132586\HEC-1
  10          ID   January  1997
  11          ID  ******************************************************************************
  12          ID   HEC-1 ELEMENT NOMENCLATURE
  13          ID   SUB-BASIN HYDROGRAPH:
  14          ID      Example: "17-32N": the sub-basin is Section 17, T3N, R2E
  15          ID
  16          ID   SUB-BASIN DIVERSION:
  17          ID      Example: "D1732S": is the southerly component of divert in Section 17
  18          ID
  19          ID   SUB-BASIN ROUTE:
  20          ID      Example: "R1732S": is the southerly flow route through Sec. 17, T3N, R2E
  21          ID
  22          ID   SUB-BASIN RESERVOIR ROUTE OR SURGE BASIN DIVERT:
  23          ID      Example: "RES17": corresponds to a reservoir route or surge basin divert
  24          ID                        in Sub-basin 17-##
  25          ID
  26          ID   RETENTION BASIN DIVERT:
  27          ID      Example: "RET17": corresponds to retention basin divert in
  28          ID                        Sub-Basin 17-##
```


K/71-PRINT

```
 29          ID
 30          ID   SUB-BASIN COMBINE:
 31          ID      Example: "C17-32": corresponds to sub-basin combine in Sec. 17, T3N, R2E
 32          ID
 33          ID   STREET ROUTE:
 34          ID      Example: "RPA1": first route for Peoria Avenue
 35          ID      Example" "R67C": third route for 67th Avenue
 36          ID
 37          ID   STREET CAPACITY DIVERSION:
 38          ID      Example: "SPA1S": first diversion from Peoria Avenue to the south
 39          ID
 40          ID   STREET INTERSECTION DIVERSION:
 41          ID      Example: "RPA67": flow component along Peoria Avenue from diversion at
 42          ID                        Peoria Avenue and 67th Avenue
 43          ID      Example: "R67PA": flow component along 67th Avenue from diversion at
 44          ID                        Peoria Avenue and 67th Avenue
 45          ID
 46          ID   STREET INTERSECTION COMBINE:
 47          ID      Example: "CPA67": hydrograph combine at the intersection of Peoria Avenue
 48          ID                        and 67th Avenue
 49          ID
 50          ID   STREET COMBINE:
 51          ID      Example: "CPA2": second hydrograph combine along Peoria Avenue
 52          ID
 53          ID   "NULL" COMBINE:
 54          ID      Example: "NULL2": dummy hydrograph combine used to free up a HEC-1
 55          ID                        computational path.  Hence, hydrograph is meaningless.
1                                          HEC-1 INPUT                                          PAGE  2

LINE         ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

 56          ID
 57          ID   ******************************************************************************
 58          ID   STREET NAME CODES
 59          ID     Thunderbird Road  = TB
 60          ID     Cactus Road       = CR
 61          ID     Peoria Avenue     = PA
 62          ID     Olive Avenue      = OA
 63          ID     Northern Avenue   = NA
 64          ID     Glendale Avenue   = GA
 65          ID     Bethany Home Road = BH
 66          ID     Camelback Road    = CB
 67          ID     Indian School Road= IS
 68          ID     Thomas Road       = TR
 69          ID     McDowell Road     = MD
 70          ID   ******************************************************************************
 71          ID
             *DIAGRAM
 72          IT       5                   800
 73          IO       5
 74          IN      15
 75          JD    1.99    0.01
 76          PC    .000    .008    .016    .025    .033    .041    .050    .058    .066    .074
 77          PC    .087    .099    .118    .138    .216    .377    .834    .911    .931    .950
 78          PC    .962    .972    .983    .991   1.000
 79          JD    1.98    0.50
 80          JD   1.967     .90
 81          PC    .000    .008    .016    .025    .033    .041    .050    .058    .066    .075
 82          PC    .087    .099    .119    .147    .229    .403    .785    .885    .920    .946
 83          PC    .958    .969    .980    .990   1.000
 84          JD   1.964    1.00
 85          PC    .000    .008    .016    .025    .033    .041    .050    .058    .066    .075
 86          PC    .087    .099    .119    .148    .230    .407    .778    .881    .919    .945
 87          PC    .957    .968    .980    .990   1.000
 88          JD    1.95    2.80
 89          PC    .000    .009    .016    .025    .034    .042    .051    .059    .067    .076
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 90   PC   .087   .100   .120   .163   .252   .451   .694   .837   .900   .938
 91   PC   .950   .963   .975   .988  1.000
 92   JD  1.83   16.0
 93   PC   .000   .015   .020   .030   .048   .063   .076   .090   .105   .119
 94   PC   .135   .152   .175   .222   .304   .472   .670   .796   .868   .912
 95   PC   .946   .960   .973   .987  1.000
 96   JD  1.61   90.0
 97   PC   .000   .021   .035   .051   .071   .087   .105   .125   .143   .160
 98   PC   .179   .201   .232   .281   .364   .500   .658   .773   .841   .888
 99   PC   .927   .945   .964   .982  1.000
100   JD  1.13  500.0
101   PC   .000   .024   .043   .059   .078   .098   .119   .141   .162   .186
102   PC   .212   .239   .271   .321   .408   .515   .627   .735   .814   .864
103   PC   .907   .930   .954   .977  1.000
      *
      *   Thunderbird Road Computation Path
      *
1                                HEC-1 INPUT                                    PAGE  3

LINE      ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


104   KK   7-32
105   KM   SUB-BASIN 7-32
106   KM   6-HOUR RAINFALL, PATTERN NO. 1.00 WAS USED TO FIND TC & R FOR THIS BASIN
107   KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .997
108   KM     L =  .77  Kb = .064  Adj. Slope =   17.0
109   BA   .249
110   LG   .210    .170   9.700    .050  22.000
111   UC   .875    .572
112   UA     0       5      16      30      65      77      84      90      94      97
113   UA   100

114   KK   RET7
115   KM   RETENTION BASIN DIVERSION
116   KM   SUB-BASIN 7-32
117   KM   29% OF SUB-BASIN DRAINS TO RETENTION BASIN
118   DT   D7-32    1.44
119   DI       0  10000.
120   DQ       0   2900.

121   KK   DTB67
122   KM   STREET INTERSECTION DIVERSION
123   KM   67TH & THUNDERBIRD
124   KM   47% West & 53% South
125   DT   D67TB
126   DI       0  10000.
127   DQ       0   5300.

128   KK   RTB1
129   KM   STREET ROUTE
130   KM   WEST
131   KM   THUNDERBIRD
132   RS       3    FLOW     -1.
133   RC    0.02   0.016    0.02   2650.  0.0029
134   RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
135   RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

136   KK   12-31
137   KM   SUB-BASIN 12-31
138   KM   6-HOUR RAINFALL, PATTERN NO. 1.41 WAS USED TO FIND TC & R FOR THIS BASIN
139   KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .987
140   KM     L = 1.05  Kb = .072  Adj. Slope =   17.0
141   BA   1.019
142   LG    .310    .160   7.000    .150  16.000
143   UC   1.467    .582
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K/L 4PRINT

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144          UA       0       5      16      30      65      77      84      90      94      97
145          UA     100

146          KK  D1231S
147          KM   SUB-BASIN DIVERSION
148          KM   SUB-BASIN 12-31
149          KM   64% West & 36% South
150          DT  D1231W
151          DI       0  10000.
152          DQ       0   6400.
```



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LINE         ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

153          KK   CTB1
154          KM   EAST/WEST STREET COMBINE
155          KM   THUNDERBIRD
156          HC       2   1.269

157          KK   STB1W
158          KM   STREET CAPACITY DIVERSION
159          KM   THUNDERBIRD AVENUE
160          KM   DIVERSION TO SOUTH
161          DT   STB1S
162          DI       0     41.     83.   1213.   2087.
163          DQ       0     0.1     24.    565.    975.

164          KK   RTB2
165          KM   STREET ROUTE
166          KM   WEST
167          KM   THUNDERBIRD
168          RS       3    FLOW     -1.
169          RC    0.02   0.016    0.02   2650.  0.0023
170          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
171          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

172          KK  D1231W
173          KM   RETRIEVAL OF SUB-BASIN DIVERSION
174          KM   SUB-BASIN 12-31
175          DR  D1231W

176          KK   S75AS
177          KM   STREET CAPACITY DIVERSION
178          KM   75TH AVENUE
179          KM   DIVERSION TO WEST
180          DT   S75AW
181          DI       0     44.    102.   1609.   2769.
182          DQ       0     0.1     40.    918.   1584.

183          KK   R75A
184          KM   STREET ROUTE
185          KM   SOUTH
186          KM   75TH Avenue
187          RS       3    FLOW     -1.
188          RC    0.02   0.016    0.02   2620.  0.0034
189          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
190          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

191          KK   CTB75
192          KM   INTERSECTION COMBINE
193          KM   THUNDERBIRD & 75TH
194          HC       2   1.269
```



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LINE         ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10
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C-71 4-PRINT

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195          KK   DTB75
196          KM   STREET INTERSECTION DIVERSION
197          KM   THUNDERBIRD & 75TH
198          KM   54% West & 46% South
199          DT   D75TB
200          DI       0  10000.
201          DQ       0   4600.

202          KK   RTB3
203          KM   STREET ROUTE
204          KM   WEST
205          KM   THUNDERBIRD
206          RS       3    FLOW     -1.
207          RC    0.02   0.016    0.02   2700.  0.0032
208          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
209          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

210          KK    2-31
211          KM   SUB-BASIN 2-31
212          KM   6-HOUR RAINFALL, PATTERN NO. 1.00 WAS USED TO FIND TC & R FOR THIS BASIN
213          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .996
214          KM     L = 1.00  Kb = .079  Adj. Slope =   26.0
215          BA    .287
216          LG    .420    .250   4.700    .440   7.000
217          UC   1.500   1.182
218          UA       0       5      16      30      65      77      84      90      94      97
219          UA     100

220          KK   D231S
221          KM   SUB-BASIN DIVERSION
222          KM   SUB-BASIN 2-31
223          KM   77% WEST & 23% SOUTH
224          DT   D231W
225          DI       0  10000.
226          DQ       0   7700.

227          KK  R1131S
228          KM   SUB-BASIN STREET ROUTE
229          KM   SOUTH
230          KM   RW= 50'
231          KM   PAV= 35'
232          RS       6    FLOW     -1.
233          RC    0.02   0.016    0.02   5350.  0.0026
234          RX       0     0.1     7.5    17.5    32.5    42.5     50.    50.1
235          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

236          KK   11-31
237          KM   SUB-BASIN 11-31
238          KM   6-HOUR RAINFALL, PATTERN NO. 1.40 WAS USED TO FIND TC & R FOR THIS BASIN
239          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .987
240          KM     L = 1.38  Kb = .075  Adj. Slope =   17.0
241          BA    .998
242          LG    .370    .200   6.600    .190  11.000
243          UC   1.500    .752
```



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LINE         ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

244          UA       0       5      16      30      65      77      84      90      94      97
245          UA     100

246          KK   S75AW
247          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
248          DR   S75AW
```


1C/14PRINT

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249          KK  R1131W
250          KM   SUB-BASIN STREET ROUTE
251          KM   West
252          KM   RW= 270'
253          KM   PAV= 183'
254          RS       5    FLOW     -1.
255          RC    0.02   0.016    0.02   5290.  0.0036
256          RX       0     0.1    43.5    53.5   216.5   226.5    270.   270.1
257          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

258          KK  C11-31
259          KM   SUB-BASIN COMBINE
260          HC       3   2.554

261          KK  D1131S
262          KM   SUB-BASIN DIVERSION
263          KM   SUB-BASIN 11-31
264          KM   70% West & 30% South
265          DT  D1131W
266          DI       0  10000.
267          DQ       0   7000.

268          KK   CTB2
269          KM   EAST/WEST STREET COMBINE
270          KM   THUNDERBIRD
271          HC       2   2.554

272          KK   STB2W
273          KM   STREET CAPACITY DIVERSION
274          KM   THUNDERBIRD
275          KM   DIVERSION TO SOUTH
276          DT   STB2S
277          DI       0     46.     83.   1119.   1924.
278          DQ       0     0.1     17.    388.    670.

279          KK   RTB4
280          KM   STREET ROUTE
281          KM   WEST
282          KM   THUNDERBIRD
283          RS       2    FLOW     -1.
284          RC    0.02   0.016    0.02   2630.  0.0038
285          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
286          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
1                                          HEC-1 INPUT                                                    PAGE  7

LINE         ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


287          KK  D1131W
288          KM   RETRIEVAL OF SUB-BASIN DIVERSION
289          KM   SUB-BASIN 11-31
290          DR  D1131W

291          KK   R83A
292          KM   STREET ROUTE
293          KM   SOUTH
294          KM   83RD Avenue
295          RS       3    FLOW     -1.
296          RC    0.02   0.016    0.02   2620.  0.0028
297          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
298          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

299          KK   CTB83
300          KM   INTERSECTION COMBINE
301          KM   THUNDERBIRD & 83RD
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302          HC       2   2.554

303          KK   DTB83
304          KM   STREET INTERSECTION DIVERSION
305          KM   THUNDERBIRD & 83RD
306          KM   50% West & 50% South
307          DT   D83TB
308          DI       0  10000.
309          DQ       0   5000.

310          KK   10-31
311          KM   SUB-BASIN 10-31
312          KM   6-HOUR RAINFALL, PATTERN NO. 1.00 WAS USED TO FIND TC & R FOR THIS BASIN
313          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .999
314          KM     L =  .86  Kb = .083  Adj. Slope =   20.0
315          BA    .114
316          LG    .400    .150   8.000    .130  19.000
317          UC   1.242   1.438
318          UA       0       5      16      30      65      77      84      90      94      97
319          UA     100

320          KK  CADOT1
321          KM   SUB-BASIN COMBINE
322          KM   CADOT1 ADOT CHANNEL ALONG FREEWAY
323          HC       2   2.668

324          KK  ADOT1W
325          KM   DIVERT 100% OF FLOW IN ADOT CHANNEL TO THE SOUTH
326          KM     UNDER THUNDERBIRD ROAD.
327          KM   THIS DIVERT ALLOWS THE TRACKING OF FLOW IN THE ADOT CHANNEL.
328          KM   THE DIVERTED FLOW WILL BE ADDED TO "D1531W" WITHIN BASIN 15-31.
329          KM   WITHIN BASIN 15-31 THE ADOT CHANNEL OUTFALLS TO THE NEW RIVER.
330          DT  ADOT1S
331          DI      0.  10000.
332          DQ      0.  10000.
             *
             *   Cactus Road Computation Path
             *
1                                    HEC-1 INPUT                                    PAGE  8

LINE         ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


333          KK   17-32
334          KM   SUB-BASIN 17-32
335          KM   6-HOUR RAINFALL, PATTERN NO. 1.00 WAS USED TO FIND TC & R FOR THIS BASIN
336          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .996
337          KM     L =  .88  Kb = .088  Adj. Slope =   14.0
338          BA    .285
339          LG    .370    .140   8.800    .090  19.000
340          UC   1.500   1.071
341          UA       0       5      16      30      65      77      84      90      94      97
342          UA     100

343          KK   RET17
344          KM   RETENTION BASIN DIVERSION
345          KM   SUB-BASIN 17-32
346          KM   35% OF SUB-BASIN DRAINS TO RETENTION BASIN
347          DT   D1732    4.78
348          DI       0  10000.
349          DQ       0   3500.

350          KK   DCR59
351          KM   STREET INTERSECTION DIVERSION
352          KM   CACTUS & 59TH
353          KM   47% West & 53% South
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354          DT   D59CR
355          DI       0  10000.
356          DQ       0   5300.

357          KK   RCR1
358          KM   STREET ROUTE
359          KM   WEST
360          KM   CACTUS
361          RS       2    FLOW     -1.
362          RC    0.02   0.016    0.02   2545.  0.0041
363          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
364          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

365          KK   18-32
366          KM   SUB-BASIN 18-32
367          KM   6-HOUR RAINFALL, PATTERN NO. 1.34 WAS USED TO FIND TC & R FOR THIS BASIN
368          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .988
369          KM     L = 1.20  Kb = .079  Adj. Slope =   16.0
370          BA    .906
371          LG    .310    .150   7.300    .140  24.000
372          UC   1.500    .710
373          UA       0       5      16      30      65      77      84      90      94      97
374          UA     100

375          KK  D1832S
376          KM   SUB-BASIN DIVERSION
377          KM   SUB-BASIN 18-32
378          KM   48% West & 52% South
379          DT  D1832W
380          DI       0  10000.
381          DQ       0   4800.
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LINE         ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

382          KK   CCR1
383          KM   EAST/WEST STREET COMBINE
384          KM   CACTUS
385          HC       2   1.439

386          KK   SCR1W
387          KM   STREET CAPACITY DIVERSION
388          KM   CACTUS
389          KM   DIVERSION TO SOUTH
390          DT   SCR1S
391          DI       0     51.    110.   1435.   2450.
392          DQ       0     0.1     38.    632.   1074.

393          KK   RCR2
394          KM   STREET ROUTE
395          KM   WEST
396          KM   CACTUS
397          RS       2    FLOW     -1.
398          RC    0.02   0.016    0.02   2545.  0.0041
399          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
400          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

401          KK   D67TB
402          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
403          KM   THUNDERBIRD & 67TH
404          DR   D67TB

405          KK   R67A
406          KM   STREET ROUTE
407          KM   SOUTH
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408          KM   67TH Avenue
409          RS       3    FLOW     -1.
410          RC    0.02   0.016    0.02   2600.  0.0036
411          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
412          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

413          KK  D1832W
414          KM   RETRIEVAL OF SUB-BASIN DIVERSION
415          KM   SUB-BASIN 18-32
416          DR  D1832W

417          KK   C67A
418          KM   NORTH/SOUTH STREET COMBINE
419          KM   67TH AVENUE
420          HC       2   1.439

421          KK   S67AS
422          KM   STREET CAPACITY DIVERSION
423          KM   67TH
424          KM   DIVERSION TO WEST
425          DT   S67AW
426          DI       0     47.    137.   1928.   3288.
427          DQ       0     0.1     71.   1190.   2021.
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LINE         ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

428          KK   R67B
429          KM   STREET ROUTE
430          KM   SOUTH
431          KM   67TH Avenue
432          RS       3    FLOW     -1.
433          RC    0.02   0.016    0.02   2600.  0.0032
434          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
435          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

436          KK   CCR67
437          KM   INTERSECTION COMBINE
438          KM   CACTUS & 67TH
439          HC       2   1.439

440          KK   DCR67
441          KM   STREET INTERSECTION DIVERSION
442          KM   CACTUS & 67TH
443          KM   DIVERSION SOUTH
444          KM   45% West & 55% South
445          KM   EXISTING STORM DRAIN ALONG CACTUS ROAD
446          KM   CAP= 213 CFS WEST
447          DT   D67CR
448          DI       0    213.  10213.
449          DQ       0     0.1   5500.

450          KK   RCR3
451          KM   STREET ROUTE
452          KM   WEST
453          KM   CACTUS
454          RS       3    FLOW     -1.
455          RC    0.02   0.016    0.02   2660.  0.0025
456          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
457          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

458          KK   STB1S
459          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
460          DR   STB1S
```


1C/14PRINT

```
461          KK  R1331S
462          KM   SUB-BASIN STREET ROUTE
463          KM   SOUTH
464          KM   RW= 220'
465          KM   PAV= 148'
466          RS       4    FLOW     -1.
467          RC    0.02   0.016    0.02   5240.  0.0050
468          RX       0     0.1    36.0    46.0   136.0   146.0    220.   220.1
469          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

470          KK   13-31
471          KM   SUB-BASIN 13-31
472          KM   6-HOUR RAINFALL, PATTERN NO. 1.40 WAS USED TO FIND TC & R FOR THIS BASIN
473          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .987
474          KM     L = 1.37  Kb = .075  Adj. Slope =   17.0
475          BA   1.003
```



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LINE         ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

476          LG    .300    .160   9.700    .060  21.000
477          UC   1.500    .745
478          UA       0       5      16      30      65      77      84      90      94      97
479          UA     100

480          KK   S67AW
481          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
482          KM   67TH
483          DR   S67AW

484          KK  R1331W
485          KM   SUB-BASIN STREET ROUTE
486          KM   West
487          KM   RW= 320'
488          KM   PAV= 218'
489          RS       5    FLOW     -1.
490          RC    0.02   0.016    0.02   5310.  0.0033
491          RX       0     0.1    51.0    61.0   259.0   269.0    320.   320.1
492          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

493          KK  C13-31
494          KM   SUB-BASIN COMBINE
495          HC       3   3.462

496          KK  D1331S
497          KM   SUB-BASIN DIVERSION
498          KM   SUB-BASIN 13-31
499          KM   50% West & 50% South
500          DT  D1331W
501          DI       0  10000.
502          DQ       0   5000.

503          KK   CCR2
504          KM   EAST/WEST STREET COMBINE
505          KM   CACTUS
506          HC       2   3.462

507          KK   SCR2W
508          KM   STREET CAPACITY DIVERSION
509          KM   CACTUS
510          KM   DIVERSION TO SOUTH
511          KM   STORM DRAIN ALONG CACTUS ROAD
512          KM   CAP= 367.0 CFS
513          DT   SCR2S
514          DI       0    410.    461.   1793.   2820.
515          DQ       0     0.1     32.    741.   1279.
```


15/14PRINT

```
516          KK   RCR4
517          KM   STREET ROUTE
518          KM   WEST
519          KM   CACTUS
520          RS      3    FLOW     -1.
521          RC   0.02   0.016    0.02   2670.  0.0034
522          RX   44.9     45.     66.    66.1    134.   134.1    155.   155.1
523          RY    4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
```



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LINE         ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

524          KK   D75TB
525          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
526          KM   75TH & THUNDERBIRD
527          DR   D75TB

528          KK   R75B
529          KM   STREET ROUTE
530          KM   SOUTH
531          KM   75TH Avenue
532          RS      2    FLOW     -1.
533          RC   0.02   0.016    0.02   2620.  0.0045
534          RX   44.9     45.     66.    66.1    134.   134.1    155.   155.1
535          RY    4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

536          KK  D1331W
537          KM   RETRIEVAL OF SUB-BASIN DIVERSION
538          KM   SUB-BASIN 13-31
539          DR  D1331W

540          KK   C75A
541          KM   NORTH/SOUTH STREET COMBINE
542          KM   75TH AVENUE
543          HC      2   3.462

544          KK   S75BS
545          KM   STREET CAPACITY DIVERSION
546          KM   75TH
547          KM   DIVERSION TO WEST
548          DT   S75BW
549          DI      0     47.     84.   1137.   1954.
550          DQ      0     0.1     17.    388.    670.

551          KK   R75C
552          KM   STREET ROUTE
553          KM   SOUTH
554          KM   75TH Avenue
555          RS      3    FLOW     -1.
556          RC   0.02   0.016    0.02   2660.  0.0026
557          RX   44.9     45.     66.    66.1    134.   134.1    155.   155.1
558          RY    4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

559          KK   CCR75
560          KM   INTERSECTION COMBINE
561          KM   CACTUS & 75TH
562          HC      2   3.462

563          KK   DCR75
564          KM   STREET INTERSECTION DIVERSION
565          KM   CACTUS & 75TH
566          KM   46% West & 54% South
567          KM   DIVERSION SOUTH
568          KM   EXISTING STORM DRAIN ALONG CACTUS ROAD
```


K/L 4PRINT

```
 569          KM   CAP= 489 CFS WEST
 570          DT   D75CR
1                                        HEC-1 INPUT                                                    PAGE 13

LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

 571          DI       0    489.  10489.
 572          DQ       0     0.1   5400.

 573          KK   RCR5
 574          KM   STREET ROUTE
 575          KM   WEST
 576          KM   CACTUS
 577          RS       3    FLOW     -1.
 578          RC    0.02   0.016    0.02   2670.  0.0031
 579          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
 580          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

 581          KK   STB2S
 582          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
 583          DR   STB2S

 584          KK  R1431S
 585          KM   SUB-BASIN STREET ROUTE
 586          KM   SOUTH
 587          KM   RW= 220'
 588          KM   PAV= 148'
 589          RS       5    FLOW     -1.
 590          RC    0.02   0.016    0.02   5220.  0.0034
 591          RX       0     0.1    36.0    46.0   174.0   184.0    220.   220.1
 592          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

 593          KK   14-31
 594          KM   SUB-BASIN 14-31
 595          KM   6-HOUR RAINFALL, PATTERN NO. 1.41 WAS USED TO FIND TC & R FOR THIS BASIN
 596          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .987
 597          KM     L = 1.32  Kb = .079  Adj. Slope =   18.0
 598          BA   1.008
 599          LG    .290    .150   8.400    .090  26.000
 600          UC   1.500    .721
 601          UA       0       5      16      30      65      77      84      90      94      97
 602          UA     100

 603          KK   RET14
 604          KM   RETENTION BASIN DIVERSION
 605          KM   SUB-BASIN 14-31
 606          KM   9% OF SUB-BASIN DRAINS TO RETENTION BASIN
 607          DT  D14-31    4.95
 608          DI       0  10000.
 609          DQ       0    900.

 610          KK   S75BW
 611          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
 612          DR   S75BW

 613          KK  R1431W
 614          KM   SUB-BASIN STREET ROUTE
 615          KM   West
 616          KM   RW= 120'
 617          KM   PAV= 78'
 618          RS       6    FLOW     -1.
1                                        HEC-1 INPUT                                                    PAGE 14

LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

 619          RC    0.02   0.016    0.02   5340.  0.0025
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```
620          RX       0     0.1    21.0    31.0    89.0    99.0    120.   120.1
621          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

622          KK  C14-31
623          KM   SUB-BASIN COMBINE
624          HC       3   5.755

625          KK  D1431S
626          KM   SUB-BASIN DIVERSION
627          KM   SUB-BASIN 14-31
628          KM   48% West & 52% South
629          DT  D1431W
630          DI       0  10000.
631          DQ       0   4800.

632          KK   CCR3
633          KM   EAST/WEST STREET COMBINE
634          KM   CACTUS
635          HC       2   5.755

636          KK   SCR3W
637          KM   STREET CAPACITY DIVERSION
638          KM   CACTUS
639          KM   DIVERSION TO SOUTH
640          KM   STORM DRAIN ALONG CACTUS ROAD
641          KM   CAP= 777.0 CFS
642          DT   SCR3S
643          DI       0    819.    885.   2543.   3817.
644          DQ       0     0.1     47.   1094.   1888.

645          KK   RCR6
646          KM   STREET ROUTE
647          KM   WEST
648          KM   CACTUS
649          RS       3    FLOW     -1.
650          RC    0.02   0.016    0.02   2660.  0.0026
651          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
652          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

653          KK   D83TB
654          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
655          KM   83RD & THUNDERBIRD
656          DR   D83TB

657          KK   R83B
658          KM   STREET ROUTE
659          KM   SOUTH
660          KM   83RD
661          RS       3    FLOW     -1.
662          RC    0.02   0.016    0.02   2620.  0.0027
663          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
664          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
```



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LINE         ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


665          KK  D1431W
666          KM   RETRIEVAL OF SUB-BASIN DIVERSION
667          KM   SUB-BASIN 14-31
668          DR  D1431W

669          KK   C83A
670          KM   NORTH/SOUTH STREET COMBINE
671          KM   83RD AVENUE
672          HC       2   5.755
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673          KK   S83AS
674          KM   STREET CAPACITY DIVERSION
675          KM   83RD
676          KM   DIVERSION TO WEST
677          DT   S83AW
678          DI       0     44.    110.   1791.   3082.
679          DQ       0     0.1     47.   1094.   1888.

680          KK   R83C
681          KM   STREET ROUTE
682          KM   SOUTH
683          KM   83RD Avenue
684          RS       3    FLOW     -1.
685          RC    0.02   0.016    0.02   2600.  0.0032
686          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
687          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

688          KK   CCR83
689          KM   INTERSECTION COMBINE
690          KM   CACTUS & 83RD
691          HC       2   5.755

692          KK   DCR83
693          KM   STREET INTERSECTION DIVERSION
694          KM   CACTUS & 83RD
695          KM   46% West & 54% South
696          KM   DIVERSION SOUTH
697          KM   EXISTING STORM DRAIN ALONG CACTUS ROAD
698          KM   CAP= 823 CFS WEST
699          DT   D83CR
700          DI       0    823.  10823.
701          DQ       0     0.1   5400.

702          KK   RCR7
703          KM   STREET ROUTE
704          KM   WEST
705          KM   CACTUS
706          RS       3    FLOW     -1.
707          RC    0.02   0.016    0.02   2640.  0.0029
708          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
709          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
```



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LINE         ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

710          KK   15-31
711          KM   SUB-BASIN 15-31
712          KM   6-HOUR RAINFALL, PATTERN NO. 1.30 WAS USED TO FIND TC & R FOR THIS BASIN
713          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .989
714          KM     L = 1.43  Kb = .071  Adj. Slope =   18.0
715          BA    .844
716          LG    .370    .170   7.300    .140  12.000
717          UC   1.500    .851
718          UA       0       5      16      30      65      77      84      90      94      97
719          UA     100

720          KK   S83AW
721          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
722          DR   S83AW

723          KK   R1531W
724          KM   SUB-BASIN STREET ROUTE
725          KM   West
726          KM   RW= 320'
```

```
727          KM   PAV= 218'
728          RS      5    FLOW     -1.
729          RC   0.02   0.016    0.02   4450.  0.0033
730          RX      0     0.1    51.0    61.0   259.0   269.0    320.   320.1
731          RY    4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

732          KK  C15-31
733          KM   SUB-BASIN COMBINE
734          HC      2   6.710

735          KK  D1531S
736          KM   SUB-BASIN DIVERSION
737          KM   SUB-BASIN 15-31
738          KM   23% West & 77% South
739          DT  D1531W
740          DI      0  10000.
741          DQ      0   2300.

742          KK   CCR4
743          KM   EAST/WEST STREET COMBINE
744          KM   CACTUS & 83RD
745          HC      2   6.710

746          KK   SCR4W
747          KM   STREET CAPACITY DIVERSION
748          KM   CACTUS
749          KM   DIVERSION TO SOUTH
750          KM   STORM DRAIN ALONG CACTUS ROAD
751          KM   CAP= 1000.0 CFS
752          DT   SCR4S
753          DI      0   1041.   1074.   2005.   2728.
754          DQ      0     0.1     15.    353.    609.
```



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LINE         ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

755          KK   RCR8
756          KM   STREET ROUTE
757          KM   WEST
758          KM   CACTUS
759          RS      3    FLOW     -1.
760          RC   0.02   0.016    0.02   2620.  0.0024
761          RX   44.9     45.     66.    66.1    134.   134.1    155.   155.1
762          RY    4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

763          KK  22-31E
764          KM   SUB-BASIN 22-31E
765          KM   6-HOUR RAINFALL, PATTERN NO. 1.01 WAS USED TO FIND TC & R FOR THIS BASIN
766          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .993
767          KM     L = 1.18  Kb = .075  Adj. Slope =   15.0
768          BA    .512
769          LG    .390    .130  10.100    .050  19.000
770          UC   1.500    .970
771          UA      0       5      16      30      65      77      84      90      94      97
772          UA    100

773          KK  D2231E
774          KM   SUB-BASIN DIVERSION
775          KM   SUB-BASIN 22-31E
776          KM   36% NORTHWEST & 64% SOUTHEAST
777          KM   DIVERSION IS TO THE SOUTHEAST
778          KM   MAIN COMPUTATION PATH IS TO THE NORTHWEST
779          DT  D2231S
780          DI      0  10000.
781          DQ      0   6400.
```


1/74PRINT

```
782          KK   SCR4S
783          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
784          KM   CACTUS
785          DR   SCR4S

786          KK  C2231N
787          KM   SUB-BASIN COMBINE
788          HC       2     7.2

789          KK  R2231E
790          KM   SUB-BASIN STREET ROUTE
791          KM   WEST
792          KM   RW= 100'
793          KM   PAV= 70'
794          RS       6    FLOW     -1.
795          RC    0.02   0.016    0.02   4350.  0.0021
796          RX       0     0.1    15.0    25.0    75.0    85.0    100.   100.1
797          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0
```



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LINE         ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

798          KK  CADOT3
799          KM   ADOT CHANNEL @ GRAND AVE
800          HC       2    11.6

801          KK  R2231N
802          KM   SUB-BASIN STREET ROUTE
803          KM   WEST
804          KM   RW= 100'
805          KM   PAV= 70'
806          RS       5    FLOW     -1.
807          RC    0.02   0.016    0.02   6150.  0.0045
808          RX       0     0.1    15.0    25.0    75.0    85.0    100.   100.1
809          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

810          KK  ADOT1S
811          KM   RETRIEVE FLOW IN ADOT CHANNEL "1"
812          DR  ADOT1S

813          KK  RADOT1
814          KM   AGUA FRIA FRWY CHANNEL ROUTE
815          KM   SOUTH
816          KM   BOTTOM WIDTH = 30'
817          KM   TOP WIDTH =  70'
818          KM   DEPTH = 10'
819          KM   SIDE SLOPES = 2:1
820          RS       1    FLOW     -1.
821          RC   0.016   0.016   0.016   5780.  0.0043
822          RX       0     10.    15.0    20.0    50.0    55.0    60.0    70.0
823          RY    10.0      5.     2.5     0.0     0.0     2.5      5.    10.0

824          KK  D1531W
825          KM   RETRIEVAL OF SUB-BASIN DIVERSION
826          KM   SUB-BASIN 15-31
827          DR  D1531W

828          KK  CADOT2
829          KM   FLOW IN ADOT CHANNEL "1" AT OUTFALL
830          HC       2  6.824

831          KK   NULL1
832          KM    NULL COMBINE OF FLOW IN ADOT CHANNELS
833          KM    @ CACTUS RD. C.P.
```


K/14PRINT

```
834          HC      3     1.
             *
             *  Peoria Avenue Computation Path
             *

835          KK   21-32
836          KM   SUB-BASIN 21-32
837          KM   6-HOUR RAINFALL, PATTERN NO. 1.00 WAS USED TO FIND TC & R FOR THIS BASIN
838          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .995
839          KM     L =  .82  Kb = .080  Adj. Slope =   13.0
840          BA    .399
841          LG    .240    .150   8.800    .070  35.000
1                                         HEC-1 INPUT                                          PAGE 19

LINE         ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

842          UC   1.246    .680
843          UA       0       5      16      30      65      77      84      90      94      97
844          UA     100

845          KK  D2132S
846          KM   SUB-BASIN DIVERSION
847          KM   SUB-BASIN 21-32
848          KM   30% West & 70% South
849          DT  D2132W
850          DI       0  10000.
851          DQ       0   3000.

852          KK   SPA1W
853          KM   STREET CAPACITY DIVERSION
854          KM   PEORIA AVENUE
855          KM   DIVERSION TO SOUTH
856          DT   SPA1S
857          DI       0     46.    115.   1551.   2647.
858          DQ       0     0.1     49.    818.   1389.

859          KK   RPA1
860          KM   STREET ROUTE
861          KM   WEST
862          KM   PEORIA
863          RS       3    FLOW     -1.
864          RC    0.02   0.016    0.02   2635.  0.0034
865          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
866          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

867          KK  D2132W
868          KM   RETRIEVAL OF SUB-BASIN DIVERSION
869          KM   SUB-BASIN 21-32
870          DR  D2132W

871          KK   S51AS
872          KM   STREET CAPACITY DIVERSION
873          KM   51ST AVENUE
874          KM   DIVERSION TO WEST
875          DT   S51AW
876          DI       0     38.    114.   1602.   2731.
877          DQ       0     0.1     60.   1004.   1705.

878          KK   R51A
879          KM   STREET ROUTE
880          KM   SOUTH
881          KM   51ST Avenue
882          RS       3    FLOW     -1.
883          RC    0.02   0.016    0.02   2635.  0.0024
884          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
885          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
```

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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

 886          KK   CPA51
 887          KM   INTERSECTION COMBINE
 888          KM   PEORIA & 51ST
 889          HC       2   0.398

 890          KK   DPA51
 891          KM   STREET INTERSECTION DIVERSION
 892          KM   PEORIA & 51ST
 893          KM   44% West & 56% South
 894          DT   D51PA
 895          DI       0  10000.
 896          DQ       0   5600.

 897          KK   RPA2
 898          KM   STREET ROUTE
 899          KM   WEST
 900          KM   PEORIA
 901          RS       2    FLOW     -1.
 902          RC    0.02   0.016    0.02   2630.  0.0041
 903          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
 904          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

 905          KK   20-32
 906          KM   SUB-BASIN 20-32
 907          KM   6-HOUR RAINFALL, PATTERN NO. 1.39 WAS USED TO FIND TC & R FOR THIS BASIN
 908          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .987
 909          KM     L = 1.35  Kb = .071  Adj. Slope =   17.0
 910          BA    .985
 911          LG    .250    .160   8.800    .070  31.000
 912          UC   1.500    .744
 913          UA       0       5      16      30      65      77      84      90      94      97
 914          UA     100

 915          KK   RET20
 916          KM   RETENTION BASIN DIVERSION
 917          KM   SUB-BASIN 20-32
 918          KM   16% OF SUB-BASIN DRAINS TO RETENTION BASIN
 919          DT  D2032R    8.93
 920          DI       0  10000.
 921          DQ       0   1600.

 922          KK   S51AW
 923          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
 924          KM   51ST
 925          DR   S51AW

 926          KK  R2032W
 927          KM   SUB-BASIN STREET ROUTE
 928          KM   WEST
 929          KM   RW= 270'
 930          KM   PAV= 183'
 931          RS       5    FLOW     -1.
 932          RC    0.02   0.016    0.02   5270.  0.0034
 933          RX       0     0.1    43.5    53.5   216.5   226.5    270.   270.1
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

 934          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

 935          KK  C20-32
```


S714PRINT

```
936          KM   SUB-BASIN COMBINE
937          HC       2     1.4

938          KK  D2032S
939          KM   SUB-BASIN DIVERSION
940          KM   SUB-BASIN 20-32
941          KM   28% West & 72% South
942          DT  D2032W
943          DI       0  10000.
944          DQ       0   2800.

945          KK   CPA1
946          KM   EAST/WEST STREET COMBINE
947          KM   PEORIA
948          HC       2     1.4

949          KK   SPA2W
950          KM   STREET CAPACITY DIVERSION
951          KM   PEORIA
952          KM   DIVERSION TO SOUTH
953          DT   SPA2S
954          DI       0     51.    121.   1624.   2773.
955          DQ       0     0.1     49.    818.   1389.

956          KK   RPA3
957          KM   STREET ROUTE
958          KM   WEST
959          KM   PEORIA
960          RS       2    FLOW     -1.
961          RC    0.02   0.016    0.02   2630.  0.0041
962          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
963          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

964          KK   D59CR
965          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
966          KM   59TH & PEORIA
967          DR   D59CR

968          KK   R59A
969          KM   STREET ROUTE
970          KM   SOUTH
971          KM   59TH Avenue
972          RS       3    FLOW     -1.
973          RC    0.02   0.016    0.02   2610.  0.0037
974          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
975          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
```



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LINE         ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

976          KK  D2032W
977          KM   RETRIEVAL OF SUB-BASIN DIVERSION
978          KM   SUB-BASIN 20-32
979          DR  D2032W

980          KK   C59A
981          KM   NORTH/SOUTH STREET COMBINE
982          KM   59TH AVENUE
983          HC       2   1.671

984          KK   S59AS
985          KM   STREET CAPACITY DIVERSION
986          KM   59TH
987          KM   DIVERSION TO WEST
988          DT   S59AW
```

```
 989          DI       0     49.    119.   1593.   2719.
 990          DQ       0     0.1     49.    818.   1389.

 991          KK   R59B
 992          KM   STREET ROUTE
 993          KM   SOUTH
 994          KM   59TH Avenue
 995          RS       2    FLOW     -1.
 996          RC    0.02   0.016    0.02   2600.  0.0039
 997          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
 998          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

 999          KK   CPA59
1000          KM   INTERSECTION COMBINE
1001          KM   PEORIA & 59TH
1002          HC       2   1.671

1003          KK   DPA59
1004          KM   STREET INTERSECTION DIVERSION
1005          KM   PEORIA & 59TH
1006          KM   45% West & 55% South
1007          DT   D59PA
1008          DI       0  10000.
1009          DQ       0   5500.

1010          KK   RPA4
1011          KM   STREET ROUTE
1012          KM   WEST
1013          KM   PEORIA
1014          RS       3    FLOW     -1.
1015          RC    0.02   0.016    0.02   2540.  0.0027
1016          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
1017          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

1018          KK   SCR1S
1019          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
1020          KM   CACTUS
1021          DR   SCR1S

1022          KK  R1932S
1023          KM   SUB-BASIN STREET ROUTE
1024          KM   SOUTH
1025          KM   RW= 170'
1026          KM   PAV= 113'
1027          RS       5    FLOW     -1.
1028          RC    0.02   0.016    0.02   5225.  0.0031
1029          RX       0     0.1    28.5    38.5   131.5   141.5    170.   170.1
1030          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

1031          KK   19-32
1032          KM   SUB-BASIN 19-32
1033          KM   6-HOUR RAINFALL, PATTERN NO. 1.38 WAS USED TO FIND TC & R FOR THIS BASIN
1034          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .988
1035          KM     L = 1.40  Kb = .073  Adj. Slope =   18.0
1036          BA    .961
1037          LG    .260    .170   7.600    .120  26.000
1038          UC   1.500    .777
1039          UA       0       5      16      30      65      77      84      90      94      97
1040          UA     100

1041          KK   RET19
1042          KM   RETENTION BASIN DIVERSION
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```
1043          KM   SUB-BASIN 19-32
1044          KM   10% OF SUB-BASIN DRAINS TO RETENTION BASIN
1045          DT  D1932R   10.06
1046          DI       0  10000.
1047          DQ       0   1000.

1048          KK   S59AW
1049          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
1050          KM   59TH
1051          DR   S59AW

1052          KK  R1932W
1053          KM   SUB-BASIN STREET ROUTE
1054          KM   WEST
1055          KM   RW= 220'
1056          KM   PAV= 148'
1057          RS       5    FLOW     -1.
1058          RC    0.02   0.016    0.02   5100.  0.0034
1059          RX       0     0.1    36.0    46.0   174.0   184.0    220.   220.1
1060          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

1061          KK  C19-32
1062          KM   SUB-BASIN COMBINE
1063          HC       3   3.538

1064          KK  D1932S
1065          KM   SUB-BASIN DIVERSION
1066          KM   SUB-BASIN 19-32
1067          KM   42% West & 58% South
1068          DT  D1932W
1069          DI       0  10000.
1070          DQ       0   4200.

1071          KK   CPA2
1072          KM   EAST/WEST STREET COMBINE
1073          KM   PEORIA
1074          HC       2   3.538

1075          KK   SPA3W
1076          KM   STREET CAPACITY DIVERSION
1077          KM   PEORIA AVENUE
1078          KM   DIVERSION TO SOUTH
1079          DT   SPA3S
1080          DI       0     41.    119.   1656.   2825.
1081          DQ       0     0.1     60.   1004.   1705.

1082          KK   RPA5
1083          KM   STREET ROUTE
1084          KM   WEST
1085          KM   PEORIA
1086          RS       3    FLOW     -1.
1087          RC    0.02   0.016    0.02   2540.  0.0027
1088          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
1089          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

1090          KK   D67CR
1091          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
1092          KM   67TH & CACTUS
1093          DR   D67CR

1094          KK   R67C
1095          KM   STREET ROUTE
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K/L 4PRINT

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1096          KM   SOUTH
1097          KM   67TH Avenue
1098          RS       3    FLOW     -1.
1099          RC    0.02   0.016    0.02   2635.  0.0025
1100          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
1101          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

1102          KK  D1932W
1103          KM   RETRIEVAL OF SUB-BASIN DIVERSION
1104          KM   SUB-BASIN 19-32
1105          DR  D1932W
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


1106          KK   C67B
1107          KM   NORTH/SOUTH STREET COMBINE
1108          KM   67TH AVENUE
1109          HC       2   3.787

1110          KK   S67BS
1111          KM   STREET CAPACITY DIVERSION
1112          KM   67TH
1113          KM   DIVERSION TO WEST
1114          DT   S67BW
1115          DI       0     39.    127.   1808.   3082.
1116          DQ       0     0.1     71.   1190.   2021.

1117          KK   R67D
1118          KM   STREET ROUTE
1119          KM   SOUTH
1120          KM   67TH Avenue
1121          RS       3    FLOW     -1.
1122          RC    0.02   0.016    0.02   2635.  0.0024
1123          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
1124          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

1125          KK   CPA67
1126          KM   INTERSECTION COMBINE
1127          KM   PEORIA & 67TH
1128          HC       2   3.787

1129          KK   DPA67
1130          KM   STREET INTERSECTION DIVERSION
1131          KM   PEORIA & 67TH
1132          KM   70% West & 30% South
1133          DT   D67PA
1134          DI       0  10000.
1135          DQ       0   3000.

1136          KK   RPA6
1137          KM   STREET ROUTE
1138          KM   WEST
1139          KM   PEORIA
1140          RS       2    FLOW     -1.
1141          RC    0.02   0.016    0.02   2650.  0.0048
1142          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
1143          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

1144          KK   SCR2S
1145          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
1146          KM   CACTUS
1147          DR   SCR2S
```


KC14PRINT

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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

1148          KK  R2431S
1149          KM   SUB-BASIN STREET ROUTE
1150          KM   SOUTH
1151          KM   RW= 170'
1152          KM   PAV= 113'
1153          RS       5    FLOW     -1.
1154          RC    0.02   0.016    0.02   5230.  0.0036
1155          RX       0     0.1    28.5    38.5   131.5   141.5    170.   170.1
1156          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

1157          KK   24-31
1158          KM   SUB-BASIN 24-31
1159          KM   6-HOUR RAINFALL, PATTERN NO. 1.41 WAS USED TO FIND TC & R FOR THIS BASIN
1160          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .987
1161          KM     L = 1.33  Kb = .073  Adj. Slope =    3.0
1162          BA   1.007
1163          LG    .250    .160   8.400    .090  30.000
1164          UC   1.000    .463
1165          UA       0       5      16      30      65      77      84      90      94      97
1166          UA     100

1167          KK   RET24
1168          KM   RETENTION BASIN DIVERSION
1169          KM   SUB-BASIN 24-31
1170          KM   1% OF SUB-BASIN DRAINS TO RETENTION BASIN
1171          DT  D24-31    0.30
1172          DI       0  10000.
1173          DQ       0    100.

1174          KK   S67BW
1175          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
1176          KM   67TH
1177          DR   S67BW

1178          KK  R2431W
1179          KM   SUB-BASIN STREET ROUTE
1180          KM   WEST
1181          KM   RW= 270'
1182          KM   PAV= 183'
1183          RS       6    FLOW     -1.
1184          RC    0.02   0.016    0.02   5310.  0.0029
1185          RX       0     0.1    43.5    53.5   216.5   226.5    270.   270.1
1186          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

1187          KK  C24-31
1188          KM   SUB-BASIN COMBINE
1189          HC       3     5.8

1190          KK  D2431S
1191          KM   SUB-BASIN DIVERSION
1192          KM   SUB-BASIN 24-31
1193          KM   47% West & 53% South
1194          DT  D2431W
1195          DI       0  10000.
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

1196          DQ       0   4700.

1197          KK   CPA3
1198          KM   EAST/WEST STREET COMBINE
1199          KM   PEORIA
```

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1200          HC      2     5.8

1201          KK   SPA4W
1202          KM   STREET CAPACITY DIVERSION
1203          KM   PEORIA
1204          KM   DIVERSION TO SOUTH
1205          DT   SPA4S
1206          DI      0     47.     99.   1487.   2557.
1207          DQ      0     0.1     32.    741.   1279.

1208          KK   RPA7
1209          KM   STREET ROUTE
1210          KM   WEST
1211          KM   PEORIA
1212          RS      3    FLOW     -1.
1213          RC   0.02   0.016    0.02   2650.  0.0022
1214          RX   44.9     45.     66.    66.1    134.   134.1    155.   155.1
1215          RY    4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

1216          KK   D75CR
1217          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
1218          KM   75TH & CACTUS
1219          DR   D75CR

1220          KK   R75D
1221          KM   STREET ROUTE
1222          KM   SOUTH
1223          KM   75TH Avenue
1224          RS      3    FLOW     -1.
1225          RC   0.02   0.016    0.02   2600.  0.0025
1226          RX   44.9     45.     66.    66.1    134.   134.1    155.   155.1
1227          RY    4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

1228          KK  D2431W
1229          KM   RETRIEVAL OF SUB-BASIN DIVERSION
1230          KM   SUB-BASIN 24-31
1231          DR  D2431W

1232          KK   C75B
1233          KM   NORTH/SOUTH STREET COMBINE
1234          KM   75TH AVENUE
1235          HC      2     5.8

1236          KK   S75CS
1237          KM   STREET CAPACITY DIVERSION
1238          KM   75TH
1239          KM   DIVERSION TO WEST
1240          DT   S75CW
1241          DI      0     43.     86.   1252.   2152.
1242          DQ      0     0.1     24.    565.    975.
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

1243          KK   R75E
1244          KM   STREET ROUTE
1245          KM   SOUTH
1246          KM   75TH Avenue
1247          RS      3    FLOW     -1.
1248          RC   0.02   0.016    0.02   2630.  0.0035
1249          RX   44.9     45.     66.    66.1    134.   134.1    155.   155.1
1250          RY    4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

1251          KK   CPA75
1252          KM   INTERSECTION COMBINE
```

```
1253        KM   PEORIA & 75TH
1254        HC       2     5.8

1255        KK   DPA75
1256        KM   TYPE B
1257        KM   STREET INTERSECTION DIVERSION
1258        KM   PEORIA & 75TH
1259        KM   DIVERSION TO SOUTH
1260        DT   D75PA
1261        DI       0     40.     86.   1123.   1918.
1262        DQ       0     40.     58.    640.   1097.

1263        KK   RPA8
1264        KM   STREET ROUTE
1265        KM   WEST
1266        KM   PEORIA
1267        RS       3    FLOW     -1.
1268        RC    0.02   0.016    0.02   2650.  0.0026
1269        RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
1270        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

1271        KK   SCR3S
1272        KM   RETRIEVAL OF STREET CAPACITY DIVERSION
1273        KM   CACTUS
1274        DR   SCR3S

1275        KK  R23-31
1276        KM   SUB-BASIN STREET ROUTE
1277        KM   SOUTH
1278        KM   RW= 170'
1279        KM   PAV= 113'
1280        RS       5    FLOW     -1.
1281        RC    0.02   0.016    0.02   5220.  0.0042
1282        RX       0     0.1    28.5    38.5   131.5   141.5    170.   170.1
1283        RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

1284        KK   23-31
1285        KM   SUB-BASIN 23-31
1286        KM   6-HOUR RAINFALL, PATTERN NO. 1.41 WAS USED TO FIND TC & R FOR THIS BASIN
1287        KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .987
1288        KM     L = 1.41  Kb = .062  Adj. Slope =   17.0
1289        BA   1.006
1290        LG    .230    .150  10.100    .040  28.000
```



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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

1291        UC   1.367    .687
1292        UA       0       5      16      30      65      77      84      90      94      97
1293        UA     100

1294        KK   RET23
1295        KM   RETENTION BASIN DIVERSION
1296        KM   SUB-BASIN 23-31
1297        KM   12% OF SUB-BASIN DRAINS TO RETENTION BASIN
1298        DT  D2331R    3.65
1299        DI       0  10000.
1300        DQ       0   1200.

1301        KK   S75CW
1302        KM   RETRIEVAL OF STREET CAPACITY DIVERSION
1303        KM   75TH
1304        DR   S75CW

1305        KK  R2331W
1306        KM   SUB-BASIN STREET ROUTE
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KAI-4PRINT

```
1307          KM   WEST
1308          KM   RW= 220'
1309          KM   PAV= 148'
1310          RS       5    FLOW     -1.
1311          RC    0.02   0.016    0.02   5310.  0.0035
1312          RX       0     0.1    36.0    46.0   174.0   184.0    220.   220.1
1313          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

1314          KK  C23-31
1315          KM   SUB-BASIN COMBINE
1316          HC       3     8.1

1317          KK  D2331S
1318          KM   SUB-BASIN DIVERSION
1319          KM   SUB-BASIN 23-31
1320          KM   48% West & 52% South
1321          DT  D2331W
1322          DI       0  10000.
1323          DQ       0   4800.

1324          KK   CPA4
1325          KM   EAST/WEST STREET COMBINE
1326          KM   PEORIA
1327          HC       2     8.1

1328          KK   SPA5W
1329          KM   STREET CAPACITY DIVERSION
1330          KM   PEORIA AVENUE
1331          KM   DIVERSION TO SOUTH
1332          DT   SPA5S
1333          DI       0     38.     69.    950.   1633.
1334          DQ       0     0.1     15.    353.    609.
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

1335          KK   RPA9
1336          KM   STREET ROUTE
1337          KM   WEST
1338          KM   PEORIA
1339          RS       4    FLOW     -1.
1340          RC    0.02   0.016    0.02   2660.  0.0019
1341          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
1342          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

1343          KK   D83CR
1344          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
1345          KM   83RD & CACTUS
1346          DR   D83CR

1347          KK   R83D
1348          KM   STREET ROUTE
1349          KM   SOUTH
1350          KM   83RD Avenue
1351          RS       7    FLOW     -1.
1352          RC    0.02   0.016    0.02   5470.  0.0022
1353          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
1354          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

1355          KK  D2331W
1356          KM   RETRIEVAL OF SUB-BASIN DIVERSION
1357          KM   SUB-BASIN 23-31
1358          DR  D2331W

1359          KK   C83B
```

```
1360          KM   NORTH/SOUTH STREET COMBINE
1361          KM   83RD AVENUE
1362          HC       2     8.1

1363          KK   S83BS
1364          KM   STREET CAPACITY DIVERSION
1365          KM   83RD
1366          KM   DIVERSION TO WEST
1367          DT   S83BW
1368          DI       0     43.     86.   1252.   2152.
1369          DQ       0     0.1     24.    565.    975.

1370          KK   CPA83
1371          KM   INTERSECTION COMBINE
1372          KM   PEORIA & 83RD
1373          HC       2     8.1

1374          KK   DPA83
1375          KM   STREET INTERSECTION DIVERSION
1376          KM   PEORIA & 83RD
1377          KM   0% West & 100% South
1378          KM   DIVERSION SOUTH
1379          KM   STORM DRAIN ALONG PEORIA AVE
1380          KM   CAP=  96.0 CFS WEST
1381          DT   D83PA
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

1382          DI       0     96.  10096.
1383          DQ       0     0.1  10000.

1384          KK  D2231S
1385          KM   RETRIEVAL OF SUB-BASIN DIVERSION
1386          KM   SUB-BASIN 22-31
1387          DR  D2231S

1388          KK   S83BW
1389          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
1390          KM   83RD
1391          DR   S83BW

1392          KK  C2231E
1393          KM   SUB-BASIN COMBINE
1394          HC       2  11.583

1395          KK   RES22
1396          KM   PONDING AREA RESERVOIR ROUTE
1397          KM   SUB-BASIN 22-31E
1398          KM   PONDING AREA NORTHEAST OF GRAND AVENUE/RR EMBANKMENT
1399          RS       1    ELEV    1134
1400          SV       0    5.40    9.60   39.75
1401          SE   1134.   1136.  1136.5   1138.
1402          SQ      0.     0.1    970.  10990.
              *
              * PEORIA COMPUTATIONAL PATH WEST OF GRAND AVENUE
              *

1403          KK  R2231W
1404          KM   SUB-BASIN STREET ROUTE
1405          KM   WEST
1406          KM   RW= 100'
1407          KM   PAV= 70'
1408          RS       3    FLOW     -1.
1409          RC    0.02   0.016    0.02   3160.  0.0045
1410          RX       0     0.1    15.0    25.0    75.0    85.0    100.   100.1
```


1271-4PRINT

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1411          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

1412          KK  22-31W
1413          KM   SUB-BASIN 22-31W
1414          KM   6-HOUR RAINFALL, PATTERN NO. 1.25 WAS USED TO FIND TC & R FOR THIS BASIN
1415          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .990
1416          KM     L =  .99  Kb = .065  Adj. Slope =   18.0
1417          BA    .764
1418          LG    .260    .150   8.800    .080  35.000
1419          UC   1.079    .466
1420          UA       0       5      16      30      65      77      84      90      94      97
1421          UA     100
1                                          HEC-1 INPUT                                          PAGE 32

LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


1422          KK  D2231B
1423          KM   SUB-BASIN DIVERSION
1424          KM   SUB-BASIN 22-31W
1425          KM   34% West & 66% South
1426          DT  D2231C
1427          DI       0  10000.
1428          DQ       0   3400.

1429          KK  C2231W
1430          KM   SUB-BASIN COMBINE
1431          HC       3  12.349

1432          KK   SPA6W
1433          KM   STREET CAPACITY DIVERSION
1434          KM   PEORIA AVENUE
1435          KM   DIVERSION TO SOUTH
1436          DT   SPA6S
1437          DI       0     46.    115.   1185.   2018.
1438          DQ       0     0.1     66.    367.    629.

1439          KK   RPA10
1440          KM   STREET ROUTE
1441          KM   WEST
1442          KM   PEORIA Avenue
1443          RS       3    FLOW     -1.
1444          RC    0.02   0.016    0.02   2680.  0.0024
1445          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
1446          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

1447          KK   DPA91
1448          KM   STREET INTERSECTION DIVERSION
1449          KM   PEORIA & 91ST
1450          KM   38% West & 62% South
1451          KM   DIVERSION SOUTH
1452          KM   STORM DRAIN ALONG PEORIA AVE
1453          KM   CAP= 147.0 CFS WEST
1454          DT   D91PA
1455          DI       0    147.  10147.
1456          DQ       0     0.1   6200.

1457          KK  D2231C
1458          KM   RETRIEVAL OF SUB-BASIN DIVERSION
1459          KM   SUB-BASIN 22-31W
1460          DR  D2231C

1461          KK  R2231S
1462          KM   SUB-BASIN STREET ROUTE
1463          KM   SOUTH
1464          KM   RW= 210'
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1465        KM   PAV= 138'
1466        RS      4    FLOW     -1.
1467        RC   0.02   0.016    0.02   4200.  0.0044
1468        RX      0     0.1    36.0    46.0   164.0   174.0    210.   210.1
1469        RY    4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0
```



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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

1470        KK   CPA91
1471        KM   INTERSECTION COMBINE
1472        KM   PEORIA & 91ST
1473        HC       2  12.349
            *

1474        KK   NULL2
1475        KM    NULL COMBINE @ END OF PEORIA C.P.
1476        HC       2      1.
            *
            *  Olive Avenue Computation Path
            *

1477        KK  26-32W
1478        KM   SUB-BASIN 26-32W
1479        KM   6-HOUR RAINFALL, PATTERN NO. 1.00 WAS USED TO FIND TC & R FOR THIS BASIN
1480        KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .999
1481        KM     L =  .48  Kb = .078  Adj. Slope =   16.0
1482        BA    .086
1483        LG    .150    .220   4.800    .470  38.000
1484        UC    .858    .703
1485        UA       0       5      16      30      65      77      84      90      94      97
1486        UA     100

1487        KK   DOA35
1488        KM   STREET INTERSECTION DIVERSION
1489        KM   OLIVE & 35TH
1490        KM   31% West & 69% South
1491        KM   DIVERSION SOUTH
1492        KM   EXISTING STORM DRAIN ALONG 35TH AVENUE
1493        KM   CAP=  54 CFS SOUTH
1494        DT   D350A
1495        DI       0     54.  10054.
1496        DQ       0     54.   6954.

1497        KK   ROA1
1498        KM   STREET ROUTE
1499        KM   WEST
1500        KM   OLIVE
1501        RS       4    FLOW     -1.
1502        RC    0.02   0.016    0.02   2650.  0.0017
1503        RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
1504        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

1505        KK   27-32
1506        KM   SUB-BASIN 27-32
1507        KM   6-HOUR RAINFALL, PATTERN NO. 1.12 WAS USED TO FIND TC & R FOR THIS BASIN
1508        KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .992
1509        KM     L =  .62  Kb = .081  Adj. Slope =   18.0
1510        BA    .614
1511        LG    .240    .250   5.400    .280  35.000
1512        UC   1.017    .339
1513        UA       0       5      16      30      65      77      84      90      94      97
1514        UA     100
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

1515          KK  D2732S
1516          KM   SUB-BASIN DIVERSION
1517          KM   SUB-BASIN 27-32
1518          KM   47% West & 53% South
1519          DT  D2732W
1520          DI       0  10000.
1521          DQ       0   4700.

1522          KK   COA1
1523          KM   EAST/WEST STREET COMBINE
1524          KM   OLIVE
1525          HC       2   0.699

1526          KK   SOA1W
1527          KM   STREET CAPACITY DIVERSION
1528          KM   OLIVE AVENUE
1529          KM   DIVERSION TO SOUTH
1530          DT   SOA1S
1531          DI       0     28.     60.   1043.   1789.
1532          DQ       0     0.1     24.    565.    975.

1533          KK   ROA2
1534          KM   STREET ROUTE
1535          KM   WEST
1536          KM   OLIVE
1537          RS       3    FLOW     -1.
1538          RC    0.02   0.016    0.02   2650.  0.0027
1539          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
1540          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

1541          KK  D2732W
1542          KM   RETRIEVAL OF SUB-BASIN DIVERSION
1543          KM   SUB-BASIN 27-32
1544          DR  D2732W

1545          KK   S43AS
1546          KM   STREET CAPACITY DIVERSION
1547          KM   43RD AVENUE
1548          KM   DIVERSION TO WEST
1549          DT   S43AW
1550          DI       0     35.     83.   1503.   2581.
1551          DQ       0     0.1     40.    918.   1584.

1552          KK   R43A
1553          KM   STREET ROUTE
1554          KM   SOUTH
1555          KM   43RD Avenue
1556          RS       4    FLOW     -1.
1557          RC    0.02   0.016    0.02   2600.  0.0015
1558          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
1559          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

1560          KK   COA43
1561          KM   INTERSECTION COMBINE
1562          KM   OLIVE & 43RD
1563          HC       2   0.699

1564          KK   DOA43
1565          KM   STREET INTERSECTION DIVERSION
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1566          KM   OLIVE & 43RD
1567          KM   56% West & 44% South
1568          KM   DIVERSION SOUTH
1569          KM   EXISTING STORM DRAIN ALONG 43RD AVENUE
1570          KM   CAP=  81 CFS SOUTH
1571          DT   D43OA
1572          DI       0     81.  10081.
1573          DQ       0     81.   4481.

1574          KK   ROA3
1575          KM   STREET ROUTE
1576          KM   WEST
1577          KM   OLIVE
1578          RS       2    FLOW     -1.
1579          RC    0.02   0.016    0.02   2640.  0.0039
1580          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
1581          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

1582          KK   SPA1S
1583          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
1584          KM   PEORIA
1585          DR   SPA1S

1586          KK  R2832S
1587          KM   SUB-BASIN STREET ROUTE
1588          KM   SOUTH
1589          KM   RW= 220'
1590          KM   PAV= 148'
1591          RS       5    FLOW     -1.
1592          RC    0.02   0.016    0.02   5190.  0.0031
1593          RX       0     0.1    36.0    46.0   174.0   184.0    220.   220.1
1594          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

1595          KK   28-32
1596          KM   SUB-BASIN 28-32
1597          KM   6-HOUR RAINFALL, PATTERN NO. 1.40 WAS USED TO FIND TC & R FOR THIS BASIN
1598          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .987
1599          KM     L = 1.29  Kb = .075  Adj. Slope =   14.0
1600          BA    .995
1601          LG    .250    .150   7.300    .140  34.000
1602          UC   1.500    .713
1603          UA       0       5      16      30      65      77      84      90      94      97
1604          UA     100
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

1605          KK   RET28
1606          KM   RETENTION BASIN DIVERSION
1607          KM   SUB-BASIN 28-32
1608          KM   4% OF SUB-BASIN DRAINS TO RETENTION BASIN
1609          DT  D28-32    4.50
1610          DI       0  10000.
1611          DQ       0    400.

1612          KK   S43AW
1613          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
1614          KM   43RD
1615          DR   S43AW

1616          KK  R2832W
1617          KM   SUB-BASIN STREET ROUTE
1618          KM   WEST
1619          KM   RW= 270'
1620          KM   PAV= 183'
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```
1621          RS       6    FLOW     -1.
1622          RC    0.02   0.016    0.02   5280.  0.0028
1623          RX       0     0.1    43.5    53.5   216.5   226.5    270.   270.1
1624          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

1625          KK  C28-32
1626          KM   SUB-BASIN COMBINE
1627          HC       3   2.091

1628          KK  D2832S
1629          KM   SUB-BASIN DIVERSION
1630          KM   SUB-BASIN 28-32
1631          KM   34% West & 66% South
1632          DT  D2832W
1633          DI       0  10000.
1634          DQ       0   3400.

1635          KK   COA2
1636          KM   EAST/WEST STREET COMBINE
1637          KM   OLIVE
1638          HC       2   2.091

1639          KK   SOA2W
1640          KM   STREET CAPACITY DIVERSION
1641          KM   OLIVE
1642          KM   DIVERSION TO SOUTH
1643          DT   SOA2S
1644          DI       0     46.    104.   1369.   2337.
1645          DQ       0     0.1     38.    632.   1074.

1646          KK   RA04
1647          KM   STREET ROUTE
1648          KM   WEST
1649          KM   OLIVE
1650          RS       3    FLOW     -1.
1651          RC    0.02   0.016    0.02   2640.  0.0029
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

1652          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
1653          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

1654          KK   D51PA
1655          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
1656          KM   51ST & PEORIA
1657          DR   D51PA

1658          KK   R51B
1659          KM   STREET ROUTE
1660          KM   SOUTH
1661          KM   51ST Avenue
1662          RS       3    FLOW     -1.
1663          RC    0.02   0.016    0.02   2600.  0.0028
1664          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
1665          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

1666          KK  D2832W
1667          KM   RETRIEVAL OF SUB-BASIN DIVERSION
1668          KM   SUB-BASIN 28-32
1669          DR  D2832W

1670          KK   C51A
1671          KM   NORTH/SOUTH STREET COMBINE
1672          KM   51ST AVENUE
1673          HC       2   2.091
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1674          KK   S51BS
1675          KM   STREET CAPACITY DIVERSION
1676          KM   51ST
1677          KM   DIVERSION TO WEST
1678          DT   S51BW
1679          DI       0     42.    142.   2045.   3484.
1680          DQ       0     0.1     82.   1375.   2337.

1681          KK   R51C
1682          KM   STREET ROUTE
1683          KM   SOUTH
1684          KM   51ST Avenue
1685          RS       3    FLOW     -1.
1686          RC    0.02   0.016    0.02   2590.  0.0028
1687          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
1688          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

1689          KK   COA51
1690          KM   INTERSECTION COMBINE
1691          KM   OALIVE & 51ST
1692          HC       2   2.091

1693          KK   DOA51
1694          KM   STREET INTERSECTION DIVERSION
1695          KM   OLIVE & 51ST
1696          KM   50% West & 50% South
1697          KM   DIVERSION SOUTH
1698          KM   EXISTING STORM DRAIN ALONG OLIVE ROAD
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

1699          KM   CAP= 350 CFS WEST
1700          DT   D51OA
1701          DI       0    350.  10350.
1702          DQ       0     0.1   5000.

1703          KK   ROA5
1704          KM   STREET ROUTE
1705          KM   WEST
1706          KM   OLIVE
1707          RS       2    FLOW     -1.
1708          RC    0.02   0.016    0.02   2620.  0.0039
1709          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
1710          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

1711          KK   SPA2S
1712          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
1713          KM   CACTUS
1714          DR   SPA2S

1715          KK  R2932S
1716          KM   SUB-BASIN STREET ROUTE
1717          KM   SOUTH
1718          KM   RW= 270'
1719          KM   PAV= 183'
1720          RS       6    FLOW     -1.
1721          RC    0.02   0.016    0.02   5220.  0.0030
1722          RX       0     0.1    43.5    53.5   216.5   226.5    270.   270.1
1723          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

1724          KK   29-32
1725          KM   SUB-BASIN 29-32
1726          KM   6-HOUR RAINFALL, PATTERN NO. 1.40 WAS USED TO FIND TC & R FOR THIS BASIN
1727          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .987
```


K/14PRINT

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1728        KM     L = 1.33  Kb = .077  Adj. Slope =   17.0
1729        BA    .993
1730        LG    .260     .150   8.800     .070  30.000
1731        UC   1.500     .732
1732        UA       0        5      16       30      65      77      84      90      94      97
1733        UA     100

1734        KK   RET29
1735        KM   RETENTION BASIN DIVERSION
1736        KM   SUB-BASIN 29-32
1737        KM   10% OF SUB-BASIN DRAINS TO RETENTION BASIN
1738        DT  D2932R    5.10
1739        DI       0  10000.
1740        DQ       0   1000.

1741        KK   S51BW
1742        KM   RETRIEVAL OF STREET CAPACITY DIVERSION
1743        KM   51ST
1744        DR   S51BW
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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

1745        KK  R2932W
1746        KM   SUB-BASIN STREET ROUTE
1747        KM   WEST
1748        KM   RW= 320'
1749        KM   PAV= 218'
1750        RS       5    FLOW     -1.
1751        RC    0.02   0.016    0.02   5260.  0.0038
1752        RX       0     0.1    51.0    61.0   259.0   269.0    320.   320.1
1753        RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

1754        KK  C29-32
1755        KM   SUB-BASIN COMBINE
1756        HC       3   4.070

1757        KK  D2932S
1758        KM   SUB-BASIN DIVERSION
1759        KM   SUB-BASIN 29-32
1760        KM   35% West & 65% South
1761        DT  D2932W
1762        DI       0  10000.
1763        DQ       0   3500.

1764        KK   COA3
1765        KM   EAST/WEST STREET COMBINE
1766        KM   OLIVE
1767        HC       2   4.070

1768        KK   SOA3W
1769        KM   STREET CAPACITY DIVERSION
1770        KM   OLIVE
1771        KM   DIVERSION TO SOUTH
1772        KM   STORM DRAIN ALONG OLIVE AVENUE
1773        KM   CAP= 380.0 CFS
1774        DT   SOA3S
1775        DI       0    427.    506.   2122.   3352.
1776        DQ       0     0.1     60.   1004.   1705.

1777        KK   ROA6
1778        KM   STREET ROUTE
1779        KM   WEST
1780        KM   OLIVE
1781        RS       3    FLOW     -1.
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1782          RC    0.02    0.016    0.02    2630.   0.0030
1783          RX    44.9     45.     66.     66.1    134.    134.1    155.    155.1
1784          RY     4.3     0.3     0.3     0.0     0.0     0.3      0.3      4.3

1785          KK   D59PA
1786          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
1787          KM   59TH & PEORIA
1788          DR   D59PA
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

1789          KK   R59C
1790          KM   STREET ROUTE
1791          KM   SOUTH
1792          KM   59TH Avenue
1793          RS       3    FLOW     -1.
1794          RC    0.02    0.016    0.02    2600.   0.0023
1795          RX    44.9     45.     66.     66.1    134.    134.1    155.    155.1
1796          RY     4.3     0.3     0.3     0.0     0.0     0.3      0.3      4.3

1797          KK  D2932W
1798          KM   RETRIEVAL OF SUB-BASIN DIVERSION
1799          KM   SUB-BASIN 29-32
1800          DR  D2932W

1801          KK   C59B
1802          KM   NORTH/SOUTH STREET COMBINE
1803          KM   59TH AVENUE
1804          HC       2   4.354

1805          KK   S59BS
1806          KM   STREET CAPACITY DIVERSION
1807          KM   59TH
1808          KM   DIVERSION TO WEST
1809          DT   S59BW
1810          DI       0     37.     79.   1029.   1758.
1811          DQ       0     0.1     27.    446.    758.

1812          KK   RR59D
1813          KM   STREET ROUTE
1814          KM   SOUTH
1815          KM   59TH Avenue
1816          RS       3    FLOW     -1.
1817          RC    0.02    0.016    0.02    2600.   0.0020
1818          RX    44.9     45.     66.     66.1    134.    134.1    155.    155.1
1819          RY     4.3     0.3     0.3     0.0     0.0     0.3      0.3      4.3

1820          KK   COA59
1821          KM   INTERSECTION COMBINE
1822          KM   OLIVE & 59TH
1823          HC       2   4.354

1824          KK   DOA59
1825          KM   STREET INTERSECTION DIVERSION
1826          KM   OLIVE & 59TH
1827          KM   50% West & 50% South
1828          KM   DIVERSION SOUTH
1829          KM   EXISTING STORM DRAIN ALONG OLIVE AVENUE
1830          KM   CAP= 380 CFS WEST
1831          DT   D590A
1832          DI       0    380.  10380.
1833          DQ       0     0.1   5000.
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

1834          KK   ROA7
1835          KM   STREET ROUTE
1836          KM   WEST
1837          KM   OLIVE
1838          RS       2    FLOW     -1.
1839          RC    0.02   0.016    0.02   2630.  0.0040
1840          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
1841          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

1842          KK   SPA3S
1843          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
1844          KM   PEORIA
1845          DR   SPA3S

1846          KK  R3032S
1847          KM   SUB-BASIN STREET ROUTE
1848          KM   SOUTH
1849          KM   RW= 220'
1850          KM   PAV= 148'
1851          RS       6    FLOW     -1.
1852          RC    0.02   0.016    0.02   5220.  0.0028
1853          RX       0     0.1    36.0    46.0   174.0   184.0    220.   220.1
1854          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

1855          KK   30-32
1856          KM   SUB-BASIN 30-32
1857          KM   6-HOUR RAINFALL, PATTERN NO. 1.38 WAS USED TO FIND TC & R FOR THIS BASIN
1858          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .988
1859          KM     L = 1.15  Kb = .075  Adj. Slope =   16.0
1860          BA    .960
1861          LG    .240    .160   8.400    .090  33.000
1862          UC   1.471    .650
1863          UA       0       5      16      30      65      77      84      90      94      97
1864          UA     100

1865          KK   RET30
1866          KM   RETENTION BASIN DIVERSION
1867          KM   SUB-BASIN 30-32
1868          KM   8% OF SUB-BASIN DRAINS TO RETENTION BASIN
1869          DT  D3032R   18.04
1870          DI       0  10000.
1871          DQ       0    800.

1872          KK   S59BW
1873          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
1874          KM   59TH
1875          DR   S59BW

1876          KK  R3032W
1877          KM   SUB-BASIN STREET ROUTE
1878          KM   WEST
1879          KM   RW= 50'
1880          KM   PAV= 35'
1881          RS       5    FLOW     -1.
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

1882          RC    0.02   0.016    0.02   5070.  0.0032
1883          RX       0     0.1     7.5    17.5    32.5    42.5     50.    50.1
1884          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

1885          KK  C30-32
```

```
1886          KM   SUB-BASIN COMBINE
1887          HC       3   7.180

1888          KK  D3032S
1889          KM   SUB-BASIN DIVERSION
1890          KM   SUB-BASIN 30-32
1891          KM   42% West & 58% South
1892          DT  D3032W
1893          DI       0  10000.
1894          DQ       0   4200.

1895          KK   COA4
1896          KM   EAST/WEST STREET COMBINE
1897          KM   OLIVE
1898          HC       2   7.180

1899          KK   SOA4W
1900          KM   STREET CAPACITY DIVERSION
1901          KM   OLIVE
1902          KM   DIVERSION TO SOUTH
1903          KM   STORM DRAIN ALONG OLIVE ROAD
1904          KM   CAP= 520.0 CFS
1905          DT   SOA4S
1906          DI       0    568.    626.   1915.   2902.
1907          DQ       0     0.1     38.    632.   1074.

1908          KK   ROA8
1909          KM   STREET ROUTE
1910          KM   WEST
1911          KM   OLIVE
1912          RS       2    FLOW     -1.
1913          RC    0.02   0.016    0.02   2430.  0.0033
1914          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
1915          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

1916          KK   D67PA
1917          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
1918          KM   67TH & PEORIA
1919          DR   D67PA

1920          KK   R67E
1921          KM   STREET ROUTE
1922          KM   SOUTH
1923          KM   67TH Avenue
1924          RS       3    FLOW     -1.
1925          RC    0.02   0.016    0.02   2620.  0.0032
1926          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
1927          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

1928          KK  D3032W
1929          KM   RETRIEVAL OF SUB-BASIN DIVERSION
1930          KM   SUB-BASIN 30-32
1931          DR  D3032W

1932          KK   C67C
1933          KM   NORTH/SOUTH STREET COMBINE
1934          KM   67TH AVENUE
1935          HC       2   7.429

1936          KK   S67CS
1937          KM   STREET CAPACITY DIVERSION
1938          KM   67TH
```

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1939        KM   DIVERSION TO WEST
1940        DT   S67CW
1941        DI       0     44.    112.   1515.   2585.
1942        DQ       0     0.1     49.    818.   1389.

1943        KK   R67F
1944        KM   STREET ROUTE
1945        KM   SOUTH
1946        KM   67TH Avenue
1947        RS       3    FLOW     -1.
1948        RC    0.02   0.016    0.02   2620.  0.0029
1949        RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
1950        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

1951        KK   COA67
1952        KM   INTERSECTION COMBINE
1953        KM   OLIVE & 67TH
1954        HC       2   7.429

1955        KK   DOA67
1956        KM   STREET INTERSECTION DIVERSION
1957        KM   OLIVE & 67TH
1958        KM   43% West & 57% South
1959        KM   DIVERSION SOUTH
1960        KM   EXISTING STORM DRAIN ALONG OLIVE AVENUE
1961        KM   CAP= 750 CFS WEST
1962        DT   D67OA
1963        DI       0    750.  10750.
1964        DQ       0     0.1   5700.

1965        KK   ROA9
1966        KM   STREET ROUTE
1967        KM   WEST
1968        KM   OLIVE
1969        RS       3    FLOW     -1.
1970        RC    0.02   0.016    0.02   2640.  0.0037
1971        RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
1972        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
```



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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

1973        KK   SPA4S
1974        KM   RETRIEVAL OF STREET CAPACITY DIVERSION
1975        KM   PEORIA
1976        DR   SPA4S

1977        KK  R2531S
1978        KM   SUB-BASIN STREET ROUTE
1979        KM   SOUTH
1980        KM   RW= 220'
1981        KM   PAV= 148'
1982        RS       6    FLOW     -1.
1983        RC    0.02   0.016    0.02   5220.  0.0025
1984        RX       0     0.1    36.0    46.0   174.0   184.0    220.   220.1
1985        RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

1986        KK   25-31
1987        KM   SUB-BASIN 25-31
1988        KM   6-HOUR RAINFALL, PATTERN NO. 1.40 WAS USED TO FIND TC & R FOR THIS BASIN
1989        KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .987
1990        KM     L = 1.42  Kb = .067  Adj. Slope =   19.0
1991        BA   1.005
1992        LG    .240    .170   9.700    .060  29.000
1993        UC   1.446    .735
```

```
1994        UA      0      5     16     30     65     77     84     90     94     97
1995        UA    100

1996        KK   RET25
1997        KM   RETENTION BASIN DIVERSION
1998        KM   SUB-BASIN 25-31
1999        KM   11% OF SUB-BASIN DRAINS TO RETENTION BASIN
2000        DT  D2531R   72.80
2001        DI       0  10000.
2002        DQ       0   1100.

2003        KK   S67CW
2004        KM   RETRIEVAL OF STREET CAPACITY DIVERSION
2005        KM   67TH
2006        DR   S67CW

2007        KK  R2531W
2008        KM   SUB-BASIN STREET ROUTE
2009        KM   WEST
2010        KM   RW= 270'
2011        KM   PAV= 183'
2012        RS       5    FLOW     -1.
2013        RC    0.02   0.016    0.02   5290.  0.0038
2014        RX       0     0.1    43.5   53.5   216.5   226.5    270.   270.1
2015        RY     4.0     0.0     0.0    0.0     0.0     0.0     0.0     4.0
```



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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

2016        KK  C25-31
2017        KM   SUB-BASIN COMBINE
2018        HC       3  11.463

2019        KK  D2531S
2020        KM   SUB-BASIN DIVERSION
2021        KM   SUB-BASIN 25-31
2022        KM   47% West & 53% South
2023        DT  D2531W
2024        DI       0  10000.
2025        DQ       0   4700.

2026        KK   COA5
2027        KM   EAST/WEST STREET COMBINE
2028        KM   OLIVE
2029        HC       2  11.463

2030        KK   SOA5W
2031        KM   STREET CAPACITY DIVERSION
2032        KM   OLIVE
2033        KM   DIVERSION TO SOUTH
2034        KM   STORM DRAIN ALONG OLIVE AVENUE
2035        KM   CAP= 262.0 CFS
2036        DT   SOA5S
2037        DI       0    307.    341.   1325.   2088.
2038        DQ       0     0.1     15.    353.    609.

2039        KK   RES25
2040        KM   SURCHARGE BASIN DIVERSION
2041        KM   FOR THE OLIVE AVENUE STORM DRAIN SYSTEM AT ABOUT 72ND AVENUE
2042        KM   PEAK DISCHARGE CAPACITY OF DIVERSION PIPE = 589 CFS
2043        DT  RES25O   94.00    589.
2044        DI       0    589.  10000.
2045        DQ       0    589.    589.

2046        KK   ROA10
```


KC14PRINT

```
2047          KM   STREET ROUTE
2048          KM   WEST
2049          KM   OLIVE
2050          RS       3    FLOW     -1.
2051          RC    0.02   0.016    0.02   2640.  0.0026
2052          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
2053          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

2054          KK   D75PA
2055          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
2056          KM   75TH & PEORIA
2057          DR   D75PA
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

2058          KK   R75F
2059          KM   STREET ROUTE
2060          KM   SOUTH
2061          KM   75TH Avenue
2062          RS       3    FLOW     -1.
2063          RC    0.02   0.016    0.02   2620.  0.0039
2064          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
2065          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

2066          KK  D2531W
2067          KM   RETRIEVAL OF SUB-BASIN DIVERSION
2068          KM   SUB-BASIN 25-31
2069          DR  D2531W

2070          KK   C75C
2071          KM   NORTH/SOUTH STREET COMBINE
2072          KM   75TH AVENUE
2073          HC       2  11.463

2074          KK   S75DS
2075          KM   STREET CAPACITY DIVERSION
2076          KM   75TH
2077          KM   DIVERSION TO WEST
2078          DT   S75DW
2079          DI       0     41.     98.   1571.   2703.
2080          DQ       0     0.1     40.    918.   1584.

2081          KK   R75G
2082          KM   STREET ROUTE
2083          KM   SOUTH
2084          KM   75TH Avenue
2085          RS       3    FLOW     -1.
2086          RC    0.02   0.016    0.02   2280.  0.0025
2087          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
2088          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

2089          KK   COA75
2090          KM   INTERSECTION COMBINE
2091          KM   OLIVE & 75TH
2092          HC       2  11.463

2093          KK   DOA75
2094          KM   STREET INTERSECTION DIVERSION
2095          KM   OLIVE & 75TH
2096          KM   0% West & 100% South
2097          KM   DIVERSION SOUTH
2098          KM   EXISTING STORM DRAIN ALONG OLIVE AVENUE
2099          KM   CAP= 392 CFS WEST
2100          DT   D75OA
```


1/2/4PRINT

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2101          DI       0    392.  10392.
2102          DQ       0     0.1  10000.
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

2103          KK   SPA5S
2104          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
2105          KM   PEORIA AVENUE
2106          DR   SPA5S

2107          KK  26-31E
2108          KM   SUB-BASIN 26-31E
2109          KM   6-HOUR RAINFALL, PATTERN NO. 1.00 WAS USED TO FIND TC & R FOR THIS BASIN
2110          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .994
2111          KM     L =  .77  Kb = .041  Adj. Slope =   24.0
2112          BA    .461
2113          LG    .210    .180  10.100    .040  21.000
2114          UC    .538    .234
2115          UA       0       5      16      30      65      77      84      90      94      97
2116          UA     100

2117          KK   RET26
2118          KM   RETENTION BASIN DIVERSION
2119          KM   SUB-BASIN 26-31E
2120          KM   29% OF SUB-BASIN DRAINS TO RETENTION BASIN
2121          DT  D2631R    5.40
2122          DI       0  10000.
2123          DQ       0   2900.

2124          KK  C2631E
2125          KM   SUB-BASIN COMBINE
2126          HC       2  15.223

2127          KK  D2631E
2128          KM   SUB-BASIN DIVERSION
2129          KM   SUB-BASIN 26-31E
2130          KM   35% NORTHWEST & 65% SOUTHEAST
2131          KM   DIVERSION IS TO THE NORTHWEST
2132          KM   MAIN COMPUTATION PATH IS TO THE SOUTHWEST
2133          DT  D2631N
2134          DI       0  10000.
2135          DQ       0   3500.

2136          KK   S75DW
2137          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
2138          KM   75TH AVENUE
2139          DR   S75DW

2140          KK  C2631S
2141          KM   SUB-BASIN COMBINE (C26-31S)
2142          HC       3  15.223

2143          KK  RES26S
2144          KM   PONDING AREA RESERVOIR ROUTE
2145          KM   SUB-BASIN 26-31E
2146          KM   PONDING AREA NORTHEAST OF GRAND AVENUE/RR EMBANKMENT
2147          KM   OUTFLOW REPRESENTS BOTH FLOW WEST (OVER THE RR EMBANKEMENT) AND
2148          KM   FLOW SOUTH OVER OLIVE AVENUE
2149          RS       1    ELEV   1132.
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

2150          SV       0    3.40   27.60   56.80   99.80  129.13  243.28
```


KA/4PRINT

```
2151          SE   1132.   1134.   1136.   1137.   1138.  1138.5   1140.
2152          SQ      0     0.1     0.2     0.3   2170.   4810.  51070.

2153          KK   D26AW
2154          KM   DIVERSION OF FLOW SOUTH OVER OLIVE AVENUE TO SUB-BASIN 36-31
2155          DT   D26AS
2156          DI      0   2170.   4810.
2157          DQ      0   2170.   4160.
              *
              * CONTINUATION OF OLIVE AVENUE COMPUTATIONAL PATH
              *

2158          KK  26-31W
2159          KM   SUB-BASIN 26-31W
2160          KM   6-HOUR RAINFALL, PATTERN NO. 1.05 WAS USED TO FIND TC & R FOR THIS BASIN
2161          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .993
2162          KM     L =  .51  Kb = .075  Adj. Slope =   14.0
2163          BA    .541
2164          LG    .410    .130  10.100    .050  12.000
2165          UC    .850    .256
2166          UA      0       5      16      30      65      77      84      90      94      97
2167          UA     100

2168          KK  D2631S
2169          KM   SUB-BASIN DIVERSION
2170          KM   SUB-BASIN 26-31W
2171          KM   54% West & 46% South
2172          DT  D2631N
2173          DI      0  10000.
2174          DQ      0   5400.

2175          KK    COA6
2176          KM   EAST/WEST STREET COMBINE
2177          HC      2  15.763

2178          KK   SOA6W
2179          KM   STREET CAPACITY DIVERSION
2180          KM   OLIVE  AVENUE
2181          KM   DIVERSION TO SOUTH
2182          KM   STORM DRAIN ALONG OLIVE AVENUE
2183          KM   CAP= 427.0 CFS
2184          DT   SOA6S
2185          DI      0    468.    502.   1464.   2210.
2186          DQ      0     0.1     17.    388.    670.

2187          KK   RES26
2188          KM   SURCHARGE BASIN DIVERSION
2189          KM   FOR THE OLIVE AVENUE STORM DRAIN SYSTEM AT ABOUT 79TH AVENUE
2190          KM   PEAK DISCHARGE CAPACITY OF DIVERSION PIPE = 134 CFS
2191          DT  RES260    32.8    134.
2192          DI      0    134.  10000.
2193          DQ      0    134.    134.
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

2194          KK   ROA11
2195          KM   STREET ROUTE
2196          KM   WEST
2197          KM   OLIVE Avenue
2198          RS      4    FLOW     -1.
2199          RC   0.02   0.016    0.02    2660.  0.0016
2200          RX   44.9     45.     66.    66.1    134.   134.1    155.   155.1
2201          RY    4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
```

```
2202          KK   D83PA
2203          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
2204          KM   PEORIA & 83RD
2205          DR   D83PA

2206          KK  D2631N
2207          KM   RETRIEVAL OF SUB-BASIN DIVERSION
2208          KM   SUB-BASIN 26-31E
2209          DR  D2631N

2210          KK  C2631N
2211          KM   SUB-BASIN COMBINE (C26-31N)
2212          HC       2  15.223

2213          KK  RES26N
2214          KM   PONDING AREA RESERVOIR ROUTE
2215          KM   PONDING AREA NORTHEAST OF GRAND AVENUE/RR EMBANKMENT
2216          KM   SUB-BASIN 26-31
2217          RS       1    ELEV   1136.
2218          SV       0    2.81   35.11   72.11   86.13   96.24  106.94  124.13
2219          SE   1136.   1138.   1140.   1141.  1141.3  1141.5  1141.7   1142.
2220          SQ       0     0.1     0.2     0.3     0.4    100.    160.    970.

2221          KK  R2631W
2222          KM   SUB-BASIN STREET ROUTE
2223          KM   WEST
2224          KM   RW= 100'
2225          KM   PAV= 70'
2226          RS       2    FLOW     -1.
2227          RC    0.02   0.016    0.02   2310.  0.0049
2228          RX       0     0.1    15.0    25.0    75.0    85.0    100.   100.1
2229          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

2230          KK  D2631N
2231          KM   RETRIEVAL OF SUB-BASIN DIVERSION
2232          KM   SUB-BASIN 26-31W
2233          DR  D2631N

2234          KK  C2631W
2235          KM   SUB-BASIN COMBINE
2236          HC       2  15.763
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

2237          KK   S83CS
2238          KM   STREET CAPACITY DIVERSION
2239          KM   83RD AVENUE
2240          KM   DIVERSION TO WEST
2241          DT   S83CW
2242          DI       0     44.     80.   1091.   1876.
2243          DQ       0     0.1     17.    388.    670.

2244          KK    R83E
2245          KM   STREET ROUTE
2246          KM   SOUTH
2247          KM   83RD Avenue
2248          RS       3    FLOW     -1.
2249          RC    0.02   0.016    0.02   2640.  0.0025
2250          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
2251          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

2252          KK   COA83
2253          KM   INTERSECTION COMBINE
2254          KM   OLIVE & 83RD
```

```
2255        HC      2  15.763

2256        KK   DOA83
2257        KM   STREET INTERSECTION DIVERSION
2258        KM   OLIVE & 83RD
2259        KM   52% West & 48% South
2260        KM   DIVERSION TO THE SOUTH
2261        KM   EXISTING STORM DRAIN SYSTEM ALONG OLIVE AVENUE
2262        KM   CAPACITY = 397 CFS WEST
2263        DT   D830A
2264        DI       0    397.  10000.
2265        DQ       0     0.1   4800.

2266        KK   ROA12
2267        KM   STREET ROUTE
2268        KM   WEST
2269        KM   OLIVE Avenue
2270        RS       3    FLOW     -1.
2271        RC    0.02   0.016    0.02   2660.  0.0022
2272        RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
2273        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

2274        KK   SPA6S
2275        KM   RETRIEVAL OF STREET CAPACITY DIVERSION
2276        KM   PEORIA
2277        DR   SPA6S

2278        KK  R2731S
2279        KM   SUB-BASIN STREET ROUTE
2280        KM   SOUTH
2281        KM   RW= 170'
2282        KM   PAV= 113'
2283        RS       7    FLOW     -1.
2284        RC    0.02   0.016    0.02   5240.  0.0017
```



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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

2285        RX       0     0.1    28.5    38.5   131.5   141.5    170.   170.1
2286        RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

2287        KK   27-31
2288        KM   SUB-BASIN 27-31
2289        KM   6-HOUR RAINFALL, PATTERN NO. 1.41 WAS USED TO FIND TC & R FOR THIS BASIN
2290        KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .987
2291        KM     L = 1.42  Kb = .072  Adj. Slope =   16.0
2292        BA   1.013
2293        LG    .330    .160   9.700    .060  20.000
2294        UC   1.500    .763
2295        UA       0       5      16      30      65      77      84      90      94      97
2296        UA     100

2297        KK   S83CW
2298        KM   RETRIEVAL OF STREET CAPACITY DIVERSION
2299        KM   83RD
2300        DR   S83CW

2301        KK  R2731W
2302        KM   SUB-BASIN STREET ROUTE
2303        KM   WEST
2304        KM   RW= 170'
2305        KM   PAV= 113'
2306        RS       6    FLOW     -1.
2307        RC    0.02   0.016    0.02   5280.  0.0031
2308        RX       0     0.1    28.5    38.5   131.5   141.5    170.   170.1
2309        RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0
```


1CL14PRINT

```
2310          KK  C27-31
2311          KM   SUB-BASIN COMBINE
2312          HC       3  18.053

2313          KK  D2731S
2314          KM   SUB-BASIN DIVERSION
2315          KM   SUB-BASIN 27-31
2316          KM   35% West & 65% South
2317          DT  D2731W
2318          DI       0  10000.
2319          DQ       0   3500.

2320          KK    COA7
2321          KM   EAST/WEST STREET COMBINE
2322          KM   OLIVE  AVENUE
2323          HC       2  18.053

2324          KK   SOA7W
2325          KM   STREET CAPACITY DIVERSION
2326          KM   OLIVE  AVENUE
2327          KM   DIVERSION TO SOUTH
2328          KM   STORM DRAIN ALONG OLIVE AVENUE
2329          KM   CAP= 546.0 CFS
2330          DT   SOA7S
2331          DI       0    586.    628.   1747.   2611.
2332          DQ       0     0.1     24.    565.    975.
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

2333          KK   ROA13
2334          KM   STREET ROUTE
2335          KM   WEST
2336          RS       3    FLOW     -1.
2337          RC    0.02   0.016    0.02   2650.  0.0029
2338          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
2339          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

2340          KK   D91PA
2341          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
2342          KM   91ST & PEORIA
2343          DR   D91PA

2344          KK    R91A
2345          KM   STREET ROUTE
2346          KM   SOUTH
2347          KM   91ST Avenue
2348          RS       3    FLOW     -1.
2349          RC    0.02   0.016    0.02   2600.  0.0025
2350          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
2351          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

2352          KK  D2731W
2353          KM   RETRIEVAL OF SUB-BASIN DIVERSION
2354          KM   SUB-BASIN 27-31
2355          DR  D2731W

2356          KK    C91A
2357          KM   NORTH/SOUTH STREET COMBINE
2358          KM   91ST AVENUE
2359          HC       2  18.053

2360          KK   S91AS
2361          KM   STREET CAPACITY DIVERSION
```

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2362          KM   91ST
2363          KM   DIVERSION TO WEST
2364          DT   S91AW
2365          DI      0     35.     58.    731.   1256.
2366          DQ      0     0.1      8.    177.    305.

2367          KK    R91B
2368          KM   STREET ROUTE
2369          KM   SOUTH
2370          KM   91ST Avenue
2371          RS      4    FLOW     -1.
2372          RC   0.02   0.016    0.02   2640.  0.0014
2373          RX   44.9     45.     66.    66.1    134.   134.1    155.   155.1
2374          RY    4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

2375          KK   COA91
2376          KM   INTERSECTION COMBINE
2377          KM   OLIVE & 91ST
2378          HC      2  18.053

2379          KK   DOA91
2380          KM   STREET INTERSECTION DIVERSION
2381          KM   OLIVE & 91ST
2382          KM   52% West & 48% South
2383          KM   DIVERSION TO THE SOUTH
2384          KM   EXISTING STORM DRAIN SYSTEM ALONG OLIVE AVENUE
2385          KM   CAPACITY = 546 CFS WEST
2386          DT   D91OA
2387          DI      0    546.  10546.
2388          DQ      0     0.1   4800.

2389          KK   28-31
2390          KM   SUB-BASIN 28-31
2391          KM   6-HOUR RAINFALL, PATTERN NO. 1.00 WAS USED TO FIND TC & R FOR THIS BASIN
2392          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .998
2393          KM     L =  .97  Kb = .095  Adj. Slope =   25.0
2394          BA    .141
2395          LG    .470    .150   8.800    .090   5.000
2396          UC   1.433   1.645
2397          UA      0       5      16      30      65      77      84      90      94      97
2398          UA    100

2399          KK   S91AW
2400          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
2401          KM   91ST AVENUE
2402          DR   S91AW

2403          KK   R2831
2404          KM   SUB-BASIN STREET ROUTE
2405          KM   RW= 50'
2406          KM   PAV= 35'
2407          RS      1    FLOW     -1.
2408          RC   0.02   0.016    0.02   2790.  0.0076
2409          RX      0     0.1     7.5    17.5    32.5    42.5     50.    50.1
2410          RY    4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

2411          KK  C28-31
2412          KM   SUB-BASIN COMBINE
2413          HC      3  18.194

2414          KK  RADOT2
2415          KM   AGUA FRIA FRWY CHANNEL ROUTE
```

```
2416          KM   SOUTH
2417          KM   BOTTOM WIDTH = 30'
2418          KM   TOP WIDTH =  70'
2419          KM   DEPTH = 10'
2420          KM   SIDE SLOPES = 2:1
2421          RS       2    FLOW     -1.
2422          RC   0.016   0.016   0.016   5900.  0.0035
1                                          HEC-1 INPUT                                                    PAGE 54

LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

2423          RX       0     10.    15.0    20.0    50.0    55.0    60.0    70.0
2424          RY    10.0      5.     2.5     0.0     0.0     2.5      5.    10.0
              *
              * NORTHERN AVENUE COMPUTATION PATH
              *

2425          KK   36-32
2426          KM   SUB-BASIN 36-32
2427          KM   6-HOUR RAINFALL, PATTERN NO. 1.00 WAS USED TO FIND TC & R FOR THIS BASIN
2428          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .999
2429          KM     L =  .57  Kb = .077  Adj. Slope =   25.0
2430          BA    .114
2431          LG    .210    .150   8.800    .080  57.000
2432          UC    .663    .515
2433          UA       0       5      16      30      65      77      84      90      94      97
2434          UA     100

2435          KK   DNA27
2436          KM   STREET INTERSECTION DIVERSION
2437          KM   NORTHERN & 27TH
2438          KM   0% West & 100% South
2439          KM   DIVERSION SOUTH
2440          KM   EXISTING STORM DRAIN ALONG 27TH AVENUE
2441          KM   CAP= 104 CFS SOUTH
2442          DT   D27NA
2443          DI       0  10000.
2444          DQ       0  10000.

2445          KK  26-32E
2446          KM   SUB-BASIN 26-32E
2447          KM   6-HOUR RAINFALL, PATTERN NO. 1.00 WAS USED TO FIND TC & R FOR THIS BASIN
2448          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .999
2449          KM     L =  .61  Kb = .029  Adj. Slope =   20.0
2450          BA    .107
2451          LG    .080    .200   6.000    .260  84.000
2452          UC    .379    .304
2453          UA       0       5      16      30      65      77      84      90      94      97
2454          UA     100

2455          KK  R3532S
2456          KM   SUB-BASIN STREET ROUTE
2457          KM   SOUTH
2458          KM   RW= 220'
2459          KM   PAV= 148'
2460          RS       5    FLOW     -1.
2461          RC    0.02   0.016    0.02   5220.  0.0040
2462          RX       0     0.1    36.0    46.0   174.0   184.0    220.   220.1
2463          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

2464          KK   35-32
2465          KM   SUB-BASIN 35-32
2466          KM   6-HOUR RAINFALL, PATTERN NO. 1.40 WAS USED TO FIND TC & R FOR THIS BASIN
2467          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .987
2468          KM     L = 1.15  Kb = .075  Adj. Slope =   22.0
2469          BA    .989
```

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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

2470          LG    .240    .250   5.800    .240  38.000
2471          UC   1.404    .607
2472          UA       0       5      16      30      65      77      84      90      94      97
2473          UA     100

2474          KK  D3532S
2475          KM   SUB-BASIN DIVERSION
2476          KM   SUB-BASIN 35-32
2477          KM   33% West & 67% South
2478          DT  D3532W
2479          DI       0  10000.
2480          DQ       0   3300.

2481          KK  C35-32
2482          KM   SUB-BASIN COMBINE
2483          HC       3   1.094

2484          KK   SNA1W
2485          KM   STREET CAPACITY DIVERSION
2486          KM   NORTHERN AVENUE
2487          KM   0% WEST & 100% SOUTH
2488          KM   DIVERSION TO SOUTH
2489          KM   COMPUTATION PATH IS TO THE WEST
2490          KM   EXISTING STORM DRAIN SYSTEMS
2491          KM   CAPACITY= 61 CFS SOUTH
2492          DT   SNA1S
2493          DI       0  10000.
2494          DQ       0  10000.

2495          KK   D35OA
2496          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
2497          KM   OLIVE & 35TH
2498          DR   D35OA

2499          KK   R35A
2500          KM   STREET ROUTE
2501          KM   SOUTH
2502          KM   35TH Avenue
2503          RS       2    FLOW     -1.
2504          RC    0.02   0.016    0.02   2600.  0.0042
2505          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
2506          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

2507          KK  D3532W
2508          KM   RETRIEVAL OF SUB-BASIN DIVERSION
2509          KM   SUB-BASIN 35-32
2510          DR  D3532W

2511          KK   C35A
2512          KM   NORTH/SOUTH STREET COMBINE
2513          KM   35TH AVENUE
2514          HC       2   1.074
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

2515          KK   S35AS
2516          KM   STREET CAPACITY DIVERSION
2517          KM   35TH AVENUE
2518          KM   DIVERSION TO WEST
2519          KM   EXISTING STORM DRAIN ALONG 35TH AVENUE
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2520        KM   CAP=  81 CFS SOUTH
2521        DT   S35AW
2522        DI       0    118.    205.   2502.   4246.
2523        DQ       0     0.1     78.   1800.   3106.

2524        KK   R35B
2525        KM   STREET ROUTE
2526        KM   SOUTH
2527        KM   35TH Avenue
2528        RS       3    FLOW     -1.
2529        RC    0.02   0.016    0.02   2600.  0.0032
2530        RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
2531        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

2532        KK   CNA35
2533        KM   INTERSECTION COMBINE
2534        KM   NORTHERN & 35TH
2535        HC       2   1.074

2536        KK   DNA35
2537        KM   STREET INTERSECTION DIVERSION
2538        KM   NORTHERN & 35TH
2539        KM   24% West & 76% South
2540        KM   DIVERSION SOUTH
2541        KM   EXISTING STORM DRAIN ALONG 35TH AVENUE
2542        KM   CAP=  81 CFS SOUTH
2543        DT   D35NA
2544        DI       0     81.  10081.
2545        DQ       0     81.   7681.

2546        KK   RNA1
2547        KM   STREET ROUTE
2548        KM   WEST
2549        KM   NORTHERN Avenue
2550        RS       3    FLOW     -1.
2551        RC    0.02   0.016    0.02   2640.  0.0022
2552        RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
2553        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

2554        KK   SOA1S
2555        KM   RETRIEVAL OF STREET CAPACITY DIVERSION
2556        KM   OLIVE
2557        DR   SOA1S
```



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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

2558        KK  R3432S
2559        KM   SUB-BASIN STREET ROUTE
2560        KM   SOUTH
2561        KM   RW= 220'
2562        KM   PAV= 148'
2563        RS       5    FLOW     -1.
2564        RC    0.02   0.016    0.02   5200.  0.0039
2565        RX       0     0.1    36.0    46.0   174.0   184.0    220.   220.1
2566        RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

2567        KK   34-32
2568        KM   SUB-BASIN 34-32
2569        KM   6-HOUR RAINFALL, PATTERN NO. 1.40 WAS USED TO FIND TC & R FOR THIS BASIN
2570        KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .987
2571        KM     L = 1.21  Kb = .075  Adj. Slope =   19.0
2572        BA    .993
2573        LG    .240    .210   6.400    .190  35.000
2574        UC   1.500    .679
```


K/L 4PRINT

```
2575          UA      0      5     16     30     65     77     84     90     94     97
2576          UA    100

2577          KK   S35AW
2578          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
2579          KM   35TH
2580          DR   S35AW

2581          KK  R3432W
2582          KM   SUB-BASIN STREET ROUTE
2583          KM   WEST
2584          KM   RW= 450'
2585          KM   PAV= 315'
2586          RS      7    FLOW     -1.
2587          RC   0.02   0.016    0.02   5280.  0.0017
2588          RX      0     0.1    67.5    77.5   372.5   382.5    450.   450.1
2589          RY    4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

2590          KK  C34-32
2591          KM   SUB-BASIN COMBINE
2592          HC      3   2.680

2593          KK  D3432S
2594          KM   SUB-BASIN DIVERSION
2595          KM   SUB-BASIN 34-32
2596          KM   38% West & 62% South
2597          DT  D3432W
2598          DI      0  10000.
2599          DQ      0   3800.

2600          KK   CNA1
2601          KM   EAST/WEST STREET COMBINE
2602          KM   NORTHERN
2603          HC      2   2.680
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

2604          KK   SNA2W
2605          KM   STREET CAPACITY DIVERSION
2606          KM   NORTHERN
2607          KM   DIVERSION TO SOUTH
2608          KM   STORM DRAIN ALONG 39TH AVENUE
2609          KM   CAP= 133.0 CFS SOUTH
2610          KM   STORM DRAIN ALONG NORTHERN AVENUE
2611          KM   CAP=  18.0 CFS WEST
2612          DT   SNA2S
2613          DI      0    151.    179.    218.   1363.   2233.
2614          DQ      0    133.    133.    165.    874.   1412.

2615          KK   RNA2
2616          KM   STREET ROUTE
2617          KM   WEST
2618          KM   NORTHERN
2619          RS      3    FLOW     -1.
2620          RC   0.02   0.016    0.02   2630.  0.0021
2621          RX   44.9     45.     66.    66.1    134.   134.1    155.   155.1
2622          RY    4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

2623          KK   D430A
2624          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
2625          KM   43RD & OLIVE
2626          DR   D430A

2627          KK   R43B
```

```
2628          KM   STREET ROUTE
2629          KM   SOUTH
2630          KM   43RD Avenue
2631          RS       3    FLOW     -1.
2632          RC    0.02   0.016    0.02   2590.  0.0033
2633          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
2634          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

2635          KK  D3432W
2636          KM   RETRIEVAL OF SUB-BASIN DIVERSION
2637          KM   SUB-BASIN 34-32
2638          DR  D3432W

2639          KK   C43B
2640          KM   NORTH/SOUTH STREET COMBINE
2641          KM   43RD AVENUE
2642          HC       2   2.680

2643          KK   S43BS
2644          KM   STREET CAPACITY DIVERSION
2645          KM   43RD
2646          KM   DIVERSION TO WEST
2647          KM   EXISTING STORM DRAIN ALONG 43RD AVENUE
2648          KM   CAP= 115 CFS SOUTH
2649          DT   S43BW
2650          DI       0    152.    208.   1824.   3051.
2651          DQ       0     0.1     47.   1094.   1888.
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

2652          KK   R43C
2653          KM   STREET ROUTE
2654          KM   SOUTH
2655          KM   43RD Avenue
2656          RS       2    FLOW     -1.
2657          RC    0.02   0.016    0.02   2600.  0.0040
2658          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
2659          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

2660          KK   CNA43
2661          KM   INTERSECTION COMBINE
2662          KM   NORTHEN & 43RD
2663          HC       2   2.680

2664          KK   DNA43
2665          KM   STREET INTERSECTION DIVERSION
2666          KM   NORTHERN & 43RD
2667          KM   0% West & 100% South
2668          KM   DIVERSION SOUTH
2669          KM   EXISTING STORM DRAIN ALONG 43RD AVENUE
2670          KM   CAP= 115 CFS SOUTH
2671          DT   D43NA
2672          DI       0  10000.
2673          DQ       0  10000.

2674          KK   RNA3
2675          KM   STREET ROUTE
2676          KM   WEST
2677          KM   NORTHERN
2678          RS       4    FLOW     -1.
2679          RC    0.02   0.016    0.02   2630.  0.0012
2680          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
2681          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
```


K&T 4PRINT

```
2682        KK   SOA2S
2683        KM   RETRIEVAL OF STREET CAPACITY DIVERSION
2684        KM   OLIVE
2685        DR   SOA2S

2686        KK  R3332S
2687        KM   SUB-BASIN STREET ROUTE
2688        KM   SOUTH
2689        KM   RW= 220'
2690        KM   PAV= 148'
2691        RS      6    FLOW     -1.
2692        RC    0.02   0.016    0.02   5200.  0.0023
2693        RX      0     0.1    36.0    46.0   174.0   184.0    220.   220.1
2694        RY     4.0    0.0     0.0     0.0     0.0     0.0     0.0     4.0
```



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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

2695        KK   33-32
2696        KM   SUB-BASIN 33-32
2697        KM   6-HOUR RAINFALL, PATTERN NO. 1.40 WAS USED TO FIND TC & R FOR THIS BASIN
2698        KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .987
2699        KM     L = 1.38  Kb = .073  Adj. Slope =   15.0
2700        BA    .993
2701        LG    .240    .250   6.000    .230  39.000
2702        UC   1.500    .754
2703        UA      0       5      16      30      65      77      84      90      94      97
2704        UA    100

2705        KK   S43BW
2706        KM   RETRIEVAL OF STREET CAPACITY DIVERSION
2707        KM   43RD
2708        DR   S43BW

2709        KK  R3332W
2710        KM   SUB-BASIN STREET ROUTE
2711        KM   WEST
2712        KM   RW= 320'
2713        KM   PAV= 218'
2714        RS      6    FLOW     -1.
2715        RC    0.02   0.016    0.02   5270.  0.0030
2716        RX      0     0.1    51.0    61.0   259.0   269.0    320.   320.1
2717        RY     4.0    0.0     0.0     0.0     0.0     0.0     0.0     4.0

2718        KK  C33-32
2719        KM   SUB-BASIN COMBINE
2720        HC      3   5.064

2721        KK  D3332S
2722        KM   SUB-BASIN DIVERSION
2723        KM   SUB-BASIN 33-32
2724        KM   27% West & 73% South
2725        DT  D3332W
2726        DI      0  10000.
2727        DQ      0   2700.

2728        KK   CNA2
2729        KM   EAST/WEST STREET COMBINE
2730        KM   NORTHERN
2731        HC      2   5.064

2732        KK   SNA3W
2733        KM   STREET CAPACITY DIVERSION
2734        KM   NORTHERN
2735        KM   DIVERSION TO SOUTH
```

```
2736          DT   SNA3S
2737          DI       0     34.     97.   1657.   2314.
2738          DQ       0     0.1     49.    818.   1389.
1                                          HEC-1 INPUT                                                    PAGE 61

LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

2739          KK   RNA4
2740          KM   STREET ROUTE
2741          KM   WEST
2742          KM   NORTHERN
2743          RS       3    FLOW     -1.
2744          RC    0.02   0.016    0.02   2630.  0.0024
2745          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
2746          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

2747          KK   D51OA
2748          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
2749          KM   51ST & OLIVE
2750          DR   D51OA

2751          KK   R51D
2752          KM   STREET ROUTE
2753          KM   SOUTH
2754          KM   51ST Avenue
2755          RS       3    FLOW     -1.
2756          RC    0.02   0.016    0.02   2670.  0.0023
2757          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
2758          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

2759          KK  D3332W
2760          KM   RETRIEVAL OF SUB-BASIN DIVERSION
2761          KM   SUB-BASIN 33-32
2762          DR  D3332W

2763          KK   C51B
2764          KM   NORTH/SOUTH STREET COMBINE
2765          KM   51ST AVENUE
2766          HC       2   5.064

2767          KK   S51CS
2768          KM   STREET CAPACITY DIVERSION
2769          KM   51ST
2770          KM   DIVERSION TO WEST
2771          DT   S51CW
2772          DI       0     35.     99.   1378.   2350.
2773          DQ       0     0.1     49.    818.   1389.

2774          KK   R51E
2775          KM   STREET ROUTE
2776          KM   SOUTH
2777          KM   51ST Avenue
2778          RS       4    FLOW     -1.
2779          RC    0.02   0.016    0.02   2610.  0.0016
2780          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
2781          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
1                                          HEC-1 INPUT                                                    PAGE 62

LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

2782          KK   CNA51
2783          KM   INTERSECTION COMBINE
2784          KM   NORTHERN & 51ST
2785          HC       2     5.1
```

```
2786        KK   DNA51
2787        KM   STREET INTERSECTION DIVERSION
2788        KM   NORTHERN & 51ST
2789        KM   44% West & 56% South
2790        DT   D51NA
2791        DI       0  10000.
2792        DQ       0   5600.

2793        KK   RNA5
2794        KM   STREET ROUTE
2795        KM   WEST
2796        KM   NORTHERN
2797        RS       2    FLOW     -1.
2798        RC    0.02   0.016    0.02   2640.  0.0044
2799        RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
2800        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

2801        KK   SOA3S
2802        KM   RETRIEVAL OF STREET CAPACITY DIVERSION
2803        KM   OLIVE
2804        DR   SOA3S

2805        KK  R3232S
2806        KM   SUB-BASIN STREET ROUTE
2807        KM   SOUTH
2808        KM   RW= 170'
2809        KM   PAV= 113'
2810        RS       6    FLOW     -1.
2811        RC    0.02   0.016    0.02   5200.  0.0023
2812        RX       0     0.1    28.5    38.5   131.5   141.5    170.   170.1
2813        RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

2814        KK   32-32
2815        KM   SUB-BASIN 32-32
2816        KM   6-HOUR RAINFALL, PATTERN NO. 1.40 WAS USED TO FIND TC & R FOR THIS BASIN
2817        KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .987
2818        KM     L = 1.38  Kb = .079  Adj. Slope =   15.0
2819        BA    .993
2820        LG    .300    .150   7.600    .130  23.000
2821        UC   1.500    .754
2822        UA       0       5      16      30      65      77      84      90      94      97
2823        UA     100

2824        KK   RET32
2825        KM   RETENTION BASIN DIVERSION
2826        KM   SUB-BASIN 32-32
2827        KM   9% OF SUB-BASIN DRAINS TO RETENTION BASIN
2828        DT  D3232R    1.87
2829        DI       0  10000.
```



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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

2830        DQ       0    900.

2831        KK   S51CW
2832        KM   RETRIEVAL OF STREET CAPACITY DIVERSION
2833        KM   51ST
2834        DR   S51CW

2835        KK  R3232W
2836        KM   SUB-BASIN STREET ROUTE
2837        KM   WEST
2838        KM   RW= 220'
2839        KM   PAV= 148'
```

```
2840          RS       5    FLOW     -1.
2841          RC    0.02   0.016    0.02   5420.  0.0037
2842          RX       0     0.1    36.0    46.0   174.0   184.0    220.   220.1
2843          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

2844          KK  C32-32
2845          KM   SUB-BASIN COMBINE
2846          HC       3   8.034

2847          KK  D3232S
2848          KM   SUB-BASIN DIVERSION
2849          KM   SUB-BASIN 32-32
2850          KM   36% West & 64% South
2851          DT  D3232W
2852          DI       0  10000.
2853          DQ       0   3600.

2854          KK   CNA3
2855          KM   EAST/WEST STREET COMBINE
2856          KM   NORTHERN
2857          HC       2   8.034

2858          KK   SNA4W
2859          KM   CASE 2
2860          KM   STREET CAPACITY DIVERSION
2861          KM   NORTHERN
2862          KM   DIVERSION TO SOUTH
2863          DT   SNA4S
2864          DI       0     77.    117.   1269.   2150.
2865          DQ       0     26.     45.    467.    776.

2866          KK   RNA6
2867          KM   STREET ROUTE
2868          KM   WEST
2869          KM   NORTHERN
2870          RS       3    FLOW     -1.
2871          RC    0.02   0.016    0.02   2640.  0.0036
2872          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
2873          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

2874          KK   D590A
2875          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
2876          KM   59TH & OLIVE
2877          DR   D590A

2878          KK   R59E
2879          KM   STREET ROUTE
2880          KM   SOUTH
2881          KM   59TH Avenue
2882          RS       3    FLOW     -1.
2883          RC    0.02   0.016    0.02   2760.  0.0030
2884          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
2885          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

2886          KK  D3232W
2887          KM   RETRIEVAL OF SUB-BASIN DIVERSION
2888          KM   SUB-BASIN 32-32
2889          DR  D3232W

2890          KK   C59C
2891          KM   NORTH/SOUTH STREET COMBINE
2892          KM   59TH AVENUE
```


K/14PRINT

```
2893        HC      2   8.319

2894        KK   S59CS
2895        KM   STREET CAPACITY DIVERSION
2896        KM   59TH
2897        KM   DIVERSION TO WEST
2898        DT   S59CW
2899        DI      0     41.    114.   1578.   2692.
2900        DQ      0     0.1     55.    929.   1579.

2901        KK   R59F
2902        KM   STREET ROUTE
2903        KM   SOUTH
2904        KM   59TH Avenue
2905        RS      3    FLOW     -1.
2906        RC   0.02   0.016    0.02   2420.  0.0022
2907        RX   44.9     45.     66.    66.1    134.   134.1    155.   155.1
2908        RY    4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

2909        KK   CNA59
2910        KM   INTERSECTION COMBINE
2911        KM   NORTHERN & 59TH
2912        HC      2   8.319

2913        KK   DNA59
2914        KM   STREET INTERSECTION DIVERSION
2915        KM   NORTHERN & 59TH
2916        KM   51% West & 49% South
2917        DT   D59NA
2918        DI      0  10000.
2919        DQ      0   4900.
```



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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

2920        KK   RNA7
2921        KM   STREET ROUTE
2922        KM   WEST
2923        KM   NORTHERN
2924        RS      3    FLOW     -1.
2925        RC   0.02   0.016    0.02   2670.  0.0038
2926        RX   44.9     45.     66.    66.1    134.   134.1    155.   155.1
2927        RY    4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

2928        KK   SOA4S
2929        KM   RETRIEVAL OF STREET CAPACITY DIVERSION
2930        KM   OLIVE
2931        DR   SOA4S

2932        KK  R3132S
2933        KM   SUB-BASIN STREET ROUTE
2934        KM   SOUTH
2935        KM   RW= 170'
2936        KM   PAV= 113'
2937        RS      6    FLOW     -1.
2938        RC   0.02   0.016    0.02   5190.  0.0026
2939        RX      0     0.1    28.5    38.5   131.5   141.5    170.   170.1
2940        RY    4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

2941        KK   31-32
2942        KM   SUB-BASIN 31-32
2943        KM   6-HOUR RAINFALL, PATTERN NO. 1.37 WAS USED TO FIND TC & R FOR THIS BASIN
2944        KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .988
2945        KM     L = 1.33  Kb = .071  Adj. Slope =   17.0
2946        BA    .953
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```
2947        LG    .300    .160   8.800    .080  26.000
2948        UC   1.500    .749
2949        UA       0       5      16      30      65      77      84      90      94      97
2950        UA     100

2951        KK   RET31
2952        KM   RETENTION BASIN DIVERSION
2953        KM   SUB-BASIN 31-32
2954        KM   6% OF SUB-BASIN DRAINS TO RETENTION BASIN
2955        DT  D3132R    1.30
2956        DI       0  10000.
2957        DQ       0    600.

2958        KK   S59CW
2959        KM   RETRIEVAL OF STREET CAPACITY DIVERSION
2960        KM   59TH
2961        DR   S59CW

2962        KK  R3132W
2963        KM   SUB-BASIN STREET ROUTE
2964        KM   WEST
2965        KM   RW= 100'
2966        KM   PAV= 70'
2967        RS       5    FLOW     -1.
```



```
LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

2968        RC    0.02   0.016    0.02   5100.  0.0034
2969        RX       0     0.1    15.0    25.0    75.0    85.0    100.    100.1
2970        RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

2971        KK  C31-32
2972        KM   SUB-BASIN COMBINE
2973        HC       3  12.098

2974        KK  D3132S
2975        KM   SUB-BASIN DIVERSION
2976        KM   SUB-BASIN 31-32
2977        KM   29% West & 71% South
2978        DT  D3132W
2979        DI       0  10000.
2980        DQ       0   2900.

2981        KK   CNA4
2982        KM   EAST/WEST STREET COMBINE
2983        KM   NORTHERN
2984        HC       2  12.098

2985        KK   SNA5W
2986        KM   STREET CAPACITY DIVERSION
2987        KM   NORTHERN
2988        KM   DIVERSION TO SOUTH
2989        DT   SNA5S
2990        DI       0     44.    101.   1335.   2279.
2991        DQ       0     0.1     38.    632.   1074.

2992        KK   RNA8
2993        KM   STREET ROUTE
2994        KM   WEST
2995        KM   NORTHERN
2996        RS       3    FLOW     -1.
2997        RC    0.02   0.016    0.02   2420.  0.0024
2998        RX    44.9     45.     66.    66.1    134.   134.1    155.    155.1
2999        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
```

```
3000          KK   D67OA
3001          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
3002          KM   67TH & OLIVE
3003          DR   D67OA

3004          KK   R67G
3005          KM   STREET ROUTE
3006          KM   SOUTH
3007          KM   67TH Avenue
3008          RS       3    FLOW     -1.
3009          RC    0.02   0.016    0.02   2590.  0.0030
3010          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
3011          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

3012          KK  D3132W
3013          KM   RETRIEVAL OF SUB-BASIN DIVERSION
3014          KM   SUB-BASIN 31-32
3015          DR  D3132W

3016          KK   C67D
3017          KM   NORTH/SOUTH STREET COMBINE
3018          KM   67TH AVENUE
3019          HC       2  12.347

3020          KK   S67DS
3021          KM   STREET CAPACITY DIVERSION
3022          KM   67TH
3023          KM   DIVERSION TO WEST
3024          DT   S67DW
3025          DI       0     37.     64.    768.   1315.
3026          DQ       0     0.1     11.    186.    316.

3027          KK   R67H
3028          KM   STREET ROUTE
3029          KM   SOUTH
3030          KM   67TH Avenue
3031          RS       4    FLOW     -1.
3032          RC    0.02   0.016    0.02   2570.  0.0013
3033          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
3034          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

3035          KK   CNA67
3036          KM   INTERSECTION COMBINE
3037          KM   NORTHERN & 67TH
3038          HC       2  12.374

3039          KK   DNA67
3040          KM   STREET INTERSECTION DIVERSION
3041          KM   NORTHERN & 67TH
3042          KM   0% West & 100% South
3043          DT   D67NA
3044          DI       0  10000.
3045          DQ       0  10000.

3046          KK   D75OA
3047          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
3048          KM   75TH & OLIVE
3049          DR   D75OA

3050          KK   SOA5S
3051          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
3052          KM   OLIVE AVENUE
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3053          DR   SOA5S

LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

3054          KK  36-31E
3055          KM   SUB-BASIN 36-31E
3056          KM   6-HOUR RAINFALL, PATTERN NO. 1.00 WAS USED TO FIND TC & R FOR THIS BASIN
3057          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .994
3058          KM     L =  .81  Kb = .072  Adj. Slope =   18.0
3059          BA    .495
3060          LG    .340    .150   8.800    .080  26.000
3061          UC   1.021    .478
3062          UA       0       5      16      30      65      77      84      90      94      97
3063          UA     100

3064          KK   S67DW
3065          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
3066          KM   67TH AVENUE
3067          DR   S67DW

3068          KK  R3631W
3069          KM   SUB-BASIN STREET ROUTE
3070          KM   WEST
3071          KM   RW= 120'
3072          KM   PAV= 78'
3073          RS       8    FLOW     -1.
3074          RC    0.02   0.016    0.02   6200.  0.0019
3075          RX       0     0.1    21.0    31.0    89.0    99.0    120.   120.1
3076          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

3077          KK   D26AS
3078          KM   RETRIEVAL OF PONDING AREA DIVERSION
3079          KM   FROM RES26S AS FLOW OVER OLIVE AVENUE
3080          DR   D26AS

3081          KK  C3631E
3082          KM   SUB-BASIN COMBINE
3083          HC       5    20.6

3084          KK   RES36
3085          KM   PONDING AREA RESERVOIR ROUTE
3086          KM   PONDING AREA NORTHEAST OF GRAND AVENUE/RR EMBANKMENT
3087          KM   SUB-BASIN 36-31E
3088          RS       1    ELEV   1132.
3089          SV       0    3.10   19.20   35.25   57.20  130.00  191.30
3090          SE   1132.   1134.   1136.   1137.   1138.   1140.   1141.
3091          SQ       0     0.1     0.2     0.3   1470.   9050.  16540.
              *
              * BEGIN COMPUTATIONS FOR AREA WEST OF GRAND AVENUE
              *

3092          KK  R3631
3093          KM   SUB-BASIN STREET ROUTE
3094          KM   WEST
3095          KM   RW= 50'
3096          KM   PAV= 35'
3097          RS       2    FLOW     -1.
3098          RC    0.02   0.016    0.02   2290.  0.0035
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

3099          RX       0     0.1     7.5    17.5    32.5    42.5     50.    50.1
3100          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0
```

```
3101          KK  36-31W
3102          KM   SUB-BASIN 36-31W
3103          KM   6-HOUR RAINFALL, PATTERN NO. 1.01 WAS USED TO FIND TC & R FOR THIS BASIN
3104          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .993
3105          KM     L =  .66  Kb = .050  Adj. Slope =   13.0
3106          BA    .506
3107          LG    .270    .150   8.400    .110  44.000
3108          UC    .746    .283
3109          UA       0       5      16      30      65      77      84      90      94      97
3110          UA     100

3111          KK  C3631W
3112          KM   SUB-BASIN COMBINE
3113          HC       2  21.140

3114          KK  D3631S
3115          KM   SUB-BASIN DIVERSION
3116          KM   SUB-BASIN 36-31W
3117          KM   79% West & 21% South
3118          DT  D3631W
3119          DI       0  10000.
3120          DQ       0   7900.

3121          KK    CNA5
3122          KM   EAST/WEST STREET COMBINE
3123          HC       2  21.140

3124          KK   SNA6W
3125          KM   STREET CAPACITY DIVERSION
3126          KM   NORTHERN AVENUE
3127          KM   DIVERSION TO SOUTH
3128          DT   SNA6S
3129          DI       0     45.     91.   1163.   1988.
3130          DQ       0     0.1     27.    446.    758.

3131          KK    RNA9
3132          KM   STREET ROUTE
3133          KM   WEST
3134          KM   NORTHERN Avenue
3135          RS       3    FLOW     -1.
3136          RC    0.02   0.016    0.02   2690.  0.0026
3137          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
3138          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

3139          KK  D3631W
3140          KM   RETRIEVAL OF SUB-BASIN DIVERSION
3141          KM   SUB-BASIN 36-31W
3142          DR  D3631W
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

3143          KK   S75ES
3144          KM   STREET CAPACITY DIVERSION
3145          KM   75TH AVENUE
3146          KM   DIVERSION TO WEST
3147          DT   S75EW
3148          DI       0     35.     57.    725.   1245.
3149          DQ       0     0.1      8.    177.    304.

3150          KK    R75H
3151          KM   STREET ROUTE
3152          KM   SOUTH
3153          KM   75TH Avenue
```

```
3154    RS      7   FLOW    -1.
3155    RC   0.02   0.016   0.02   2630.  0.0005
3156    RX   44.9     45.     66.    66.1    134.   134.1    155.   155.1
3157    RY    4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

3158    KK   CNA75
3159    KM   INTERSECTION COMBINE
3160    KM   NORTHERNN & 75TH
3161    HC      2  21.140

3162    KK   DNA75
3163    KM   STREET INTERSECTION DIVERSION
3164    KM   NORTHERN & 75TH
3165    KM   69% West & 31% South
3166    DT   D75NA
3167    DI      0  10000.
3168    DQ      0   3100.

3169    KK   RNA10
3170    KM   STREET ROUTE
3171    KM   WEST
3172    KM   NORTHERN
3173    RS      2   FLOW    -1.
3174    RC   0.02   0.016   0.02   2660.  0.0055
3175    RX   44.9     45.     66.    66.1    134.   134.1    155.   155.1
3176    RY    4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

3177    KK   SOA6S
3178    KM   RETRIEVAL OF STREET CAPACITY DIVERSION
3179    KM   OLIVE
3180    DR   SOA6S

3181    KK  R3531S
3182    KM   SUB-BASIN STREET ROUTE
3183    KM   SOUTH
3184    KM   RW= 170'
3185    KM   PAV= 113'
3186    RS      6   FLOW    -1.
3187    RC   0.02   0.016   0.02   5220.  0.0028
3188    RX      0     0.1    28.5    38.5   131.5   141.5    170.   170.1
3189    RY    4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0
```



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LINE    ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

3190    KK   35-31
3191    KM   SUB-BASIN 35-31
3192    KM   6-HOUR RAINFALL, PATTERN NO. 1.40 WAS USED TO FIND TC & R FOR THIS BASIN
3193    KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .987
3194    KM     L = 1.33  Kb = .066  Adj. Slope =   16.0
3195    BA   1.005
3196    LG    .410    .160   8.800    .090  13.000
3197    UC   1.500    .727
3198    UA      0       5      16      30      65      77      84      90      94      97
3199    UA    100

3200    KK   S75EW
3201    KM   RETRIEVAL OF STREET CAPACITY DIVERSION
3202    KM   75TH
3203    DR   S75EW

3204    KK  R3531W
3205    KM   SUB-BASIN STREET ROUTE
3206    KM   WEST
3207    KM   RW= 70'
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K/L4PRINT

```
3208          KM   PAV= 43'
3209          RS       6    FLOW     -1.
3210          RC    0.02   0.016    0.02   5310.  0.0027
3211          RX       0     0.1    13.5    23.5    46.5    56.5     70.    70.1
3212          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

3213          KK  C35-31
3214          KM   SUB-BASIN COMBINE
3215          HC       3  22.686

3216          KK  D3531S
3217          KM   SUB-BASIN DIVERSION
3218          KM   SUB-BASIN 35-31
3219          KM   49% West & 51% South
3220          DT  D3531W
3221          DI       0  10000.
3222          DQ       0   4900.

3223          KK    CNA6
3224          KM   EAST/WEST STREET COMBINE
3225          HC       2  22.686

3226          KK   SNA7W
3227          KM   STREET CAPACITY DIVERSION
3228          KM   NORTHERN
3229          KM   DIVERSION TO SOUTH
3230          DT   SNA7S
3231          DI       0     54.     93.   1119.   1915.
3232          DQ       0     0.1     16.    260.    442.
1                                          HEC-1 INPUT                                                    PAGE 72

LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


3233          KK   RNA11
3234          KM   STREET ROUTE
3235          KM   WEST
3236          KM   NORTHERN AVENUE
3237          RS       3    FLOW     -1.
3238          RC    0.02   0.016    0.02   2690.  0.0038
3239          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
3240          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

3241          KK   D83OA
3242          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
3243          KM   83RD & OLIVE
3244          DR   D83OA

3245          KK    R83F
3246          KM   STREET ROUTE
3247          KM   SOUTH
3248          KM   83RD Avenue
3249          RS       2    FLOW     -1.
3250          RC    0.02   0.016    0.02   2610.  0.0043
3251          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
3252          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

3253          KK  D3531W
3254          KM   RETRIEVAL OF SUB-BASIN DIVERSION
3255          KM   SUB-BASIN 35-31
3256          DR  D3531W

3257          KK    C83C
3258          KM   NORTH/SOUTH STREET COMBINE
3259          KM   83RD AVENUE
3260          HC       2  22.686
```

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3261        KK   S83DS
3262        KM   STREET CAPACITY DIVERSION
3263        KM   83RD
3264        KM   DIVERSION TO WEST
3265        DT   S83DW
3266        DI       0     50.     96.   1357.   2333.
3267        DQ       0     0.1     24.    565.    975.

3268        KK    R83G
3269        KM   STREET ROUTE
3270        KM   SOUTH
3271        KM   83RD Avenue
3272        RS       3    FLOW     -1.
3273        RC    0.02   0.016    0.02   2620.  0.0036
3274        RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
3275        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
```



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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

3276        KK   CNA83
3277        KM   INTERSECTION COMBINE
3278        KM   NORTHERN & 83RD
3279        HC       2  22.686

3280        KK   DNA83
3281        KM   STREET INTERSECTION DIVERSION
3282        KM   NORTHERN & 83RD
3283        KM   100% West & 00% South
3284        KM   DIVERSION SOUTH
3285        KM   STORM DRAIN ALONG NORTHERN AVENUE
3286        KM   CAP= 214.0 CFS WEST
3287        DT   D83NA
3288        DI       0  10000.
3289        DQ       0     0.1

3290        KK   RNA12
3291        KM   STREET ROUTE
3292        KM   WEST
3293        KM   NORTHERN
3294        RS       3    FLOW     -1.
3295        RC    0.02   0.016    0.02   2620.  0.0021
3296        RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
3297        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

3298        KK   RES34
3299        KM   SURCHARGE BASIN DIVERSION
3300        KM   "PEORIA BASIN" PER FCD 94-12
3301        KM   FOR THE NORTHERN AVENUE STORM DRAIN SYSTEM AT ABOUT 85TH AVENUE
3302        KM   PEAK DISCHARGE CAPACITY OF DIVERSION PIPE = 202 CFS
3303        DT  RES340    69.0    202.
3304        DI       0    202.  10000.
3305        DQ       0    202.    202.

3306        KK   SOA7S
3307        KM   RETRIEVAL OF STREET CAPACITY DIVERSION
3308        KM   OLIVE AVENUE
3309        DR   SOA7S

3310        KK  R3431S
3311        KM   SUB-BASIN STREET ROUTE
3312        KM   SOUTH
3313        KM   RW= 170'
3314        KM   PAV= 113'
```

```
3315          RS       5    FLOW     -1.
3316          RC    0.02   0.016    0.02   5240.  0.0039
3317          RX       0     0.1    28.5    38.5   131.5   141.5    170.   170.1
3318          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

3319          KK   34-31
3320          KM   SUB-BASIN 34-31
3321          KM   6-HOUR RAINFALL, PATTERN NO. 1.40 WAS USED TO FIND TC & R FOR THIS BASIN
3322          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .987
3323          KM     L = 1.35  Kb = .075  Adj. Slope =   14.0
3324          BA    .996
3325          LG    .370    .160   8.000    .120  16.000
3326          UC   1.500    .739
3327          UA       0       5      16      30      65      77      84      90      94      97
3328          UA     100

3329          KK   RET34
3330          KM   RETENTION BASIN DIVERSION
3331          KM   SUB-BASIN 34-31
3332          KM    6% OF SUB-BASIN DRAINS TO RETENTION BASIN
3333          DT  D3431R   11.91
3334          DI       0  10000.
3335          DQ       0    600.

3336          KK   S83DW
3337          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
3338          KM   83RD
3339          DR   S83DW

3340          KK  R3431W
3341          KM   SUB-BASIN STREET ROUTE
3342          KM   WEST
3343          KM   RW= 170'
3344          KM   PAV= 113'
3345          RS       7    FLOW     -1.
3346          RC    0.02   0.016    0.02   5210.  0.0017
3347          RX       0     0.1    28.5    38.5   131.5   141.5    170.   170.1
3348          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

3349          KK  C34-31
3350          KM   SUB-BASIN COMBINE
3351          HC       3  25.971

3352          KK  D3431S
3353          KM   SUB-BASIN DIVERSION
3354          KM   SUB-BASIN 34-31
3355          KM   35% West & 65% South
3356          KM   DIVERSION WEST
3357          KM   STORM DRAIN ALONG BUTLER DRIVE
3358          KM   CAP=  78.0 CFS WEST
3359          DT  D3431W
3360          DI       0     78.    278.    578.   1078.   2078.
3361          DQ       0     78.    148.    253.    428.    778.
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

3362          KK   CNA7
3363          KM   EAST/WEST STREET COMBINE
3364          KM   NORTHERN AVENUE
3365          HC       2  25.971
```

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3366          KK   SNA8W
3367          KM   STREET CAPACITY DIVERSION
3368          KM   NORTHERN AVENUE
3369          KM   DIVERSION TO SOUTH
3370          KM   STORM DRAIN ALONG NORTHERN AVENUE
3371          KM   CAP= 33.0 CFS WEST
3372          DT   SNA8S
3373          DI       0     63.     98.    878.   1476.
3374          DQ       0     0.1     22.    372.    632.

3375          KK   RNA13
3376          KM   STREET ROUTE
3377          KM   WEST
3378          KM   NORTHERN AVENUE
3379          RS       5    FLOW     -1.
3380          RC    0.02   0.016    0.02   2640.  0.0008
3381          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
3382          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

3383          KK   D910A
3384          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
3385          KM   91ST & OLIVE AVENUE
3386          DR   D910A

3387          KK    R91C
3388          KM   STREET ROUTE
3389          KM   SOUTH
3390          KM   91ST Avenue
3391          RS       3    FLOW     -1.
3392          RC    0.02   0.016    0.02   2640.  0.0028
3393          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
3394          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

3395          KK  D3431W
3396          KM   RETRIEVAL OF SUB-BASIN DIVERSION
3397          KM   SUB-BASIN 34-31
3398          DR  D3431W

3399          KK    C91B
3400          KM   NORTH/SOUTH STREET COMBINE
3401          KM   91ST AVENUE
3402          HC       2  25.971

3403          KK   S91BS
3404          KM   STREET CAPACITY DIVERSION
3405          KM   91ST
3406          KM   DIVERSION TO WEST
3407          KM   STORM DRAIN ALONG BUTLER DRIVE
3408          KM   CAP=  78.0 CFS WEST
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

3409          DT   S91BW
3410          DI       0     78.    120.    150.    936.   1547.
3411          DQ       0     78.     78.     89.    264.    394.

3412          KK    R91D
3413          KM   STREET ROUTE
3414          KM   SOUTH
3415          KM   91ST Avenue
3416          RS       3    FLOW     -1.
3417          RC    0.02   0.016    0.02   2640.  0.0029
3418          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
3419          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
```


KC/14-PRINT

```
3420          KK   CNA91
3421          KM   INTERSECTION COMBINE
3422          KM   NORTHERN & 91ST
3423          HC       2  25.971

3424          KK   DNA91
3425          KM   STREET INTERSECTION DIVERSION
3426          KM   NORTHERN & 91ST
3427          KM   40% West & 60% South
3428          KM   DIVERSION SOUTH
3429          KM   STORM DRAIN ALONG NORTHERN AVENUE
3430          KM   CAP=  33.0 CFS WEST
3431          DT   D91NA
3432          DI       0     33.  10033.
3433          DQ       0     0.1   6000.

3434          KK   RNA14
3435          KM   STREET ROUTE
3436          KM   WEST
3437          KM   NORTHERN
3438          RS       3    FLOW     -1.
3439          RC    0.02   0.016    0.02   2680.  0.0025
3440          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
3441          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

3442          KK   S91BW
3443          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
3444          KM   91ST AVENUE
3445          DR   S91BW

3446          KK  R3331W
3447          KM   SUB-BASIN STREET ROUTE
3448          KM   WEST
3449          KM   RW= 50'
3450          KM   PAV= 35'
3451          RS       4    FLOW     -1.
3452          RC    0.02   0.016    0.02   3920.  0.0036
3453          RX       0     0.1     7.5    17.5    32.5    42.5     50.    50.1
3454          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

3455          KK   33-31
3456          KM   SUB-BASIN 33-31
3457          KM   6-HOUR RAINFALL, PATTERN NO. 1.00 WAS USED TO FIND TC & R FOR THIS BASIN
3458          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .997
3459          KM     L = 1.08  Kb = .090  Adj. Slope =   31.0
3460          BA    .259
3461          LG    .480    .150   7.300    .160   4.000
3462          UC   1.504   1.337
3463          UA       0       5      16      30      65      77      84      90      94      97
3464          UA     100

3465          KK  C33-31
3466          KM   SUB-BASIN COMBINE
3467          HC       4  26.369

3468          KK   R421S
3469          KM   ROUTE WEST TO AGUA FRIA RIVER
3470          KM   RW= 50'
3471          KM   PAV= 35'
3472          RS       2    FLOW     -1.
3473          RC    0.02   0.016    0.02   2410.  0.0041
```


C/4 4PRINT

```
3474        RX      0     0.1     7.5    17.5    32.5    42.5     50.    50.1
3475        RY    4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0
            *

3476        KK   NULL3
3477        KM   NULL COMBINE @ NORTHERN AVE C.P.
3478        HC       2      1.
            *
            *  GLENDALE AVNEUE COMPUTATION PATH
            *

3479        KK    1-22
3480        KM   SUB-BASIN 1-22
3481        KM   6-HOUR RAINFALL, PATTERN NO. 1.00 WAS USED TO FIND TC & R FOR THIS BASIN
3482        KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .997
3483        KM     L =  .70  Kb = .083  Adj. Slope =   15.0
3484        BA    .244
3485        LG    .230    .190   6.800    .150  32.000
3486        UC   1.133    .714
3487        UA       0       5      16      30      65      77      84      90      94      97
3488        UA     100

3489        KK   D122S
3490        KM   SUB-BASIN DIVERSION
3491        KM   SUB-BASIN 1-22
3492        KM   81% West & 19% South
3493        DT   D122W
3494        DI       0  10000.
3495        DQ       0   8100.
```



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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

3496        KK   D27NA
3497        KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
3498        KM   27TH & NORTHERN
3499        DR   D27NA

3500        KK   R27A
3501        KM   STREET ROUTE
3502        KM   SOUTH
3503        KM   27TH Avenue
3504        RS       2    FLOW     -1.
3505        RC    0.02   0.016    0.02   2620.  0.0042
3506        RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
3507        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

3508        KK   D122W
3509        KM   RETRIEVAL OF SUB-BASIN DIVERSION
3510        KM   SUB-BASIN 1-22
3511        DR   D122W

3512        KK   C27A
3513        KM   NORTH/SOUTH STREET COMBINE
3514        KM   27TH AVENUE
3515        HC       2   0.357

3516        KK   S27AS
3517        KM   STREET CAPACITY DIVERSION
3518        KM   27TH AVENUE
3519        KM   DIVERSION TO WEST
3520        KM   EXISTING STORM DRAIN ALONG 27TH AVENUE
3521        KM   CAP= 120 CFS SOUTH
3522        DT   S27AW
3523        DI       0    159.    200.   1515.   2514.
```

```
3524        DQ      0     0.1     32.    741.   1279.

3525        KK   R27B
3526        KM   STREET ROUTE
3527        KM   SOUTH
3528        KM   27TH Avenue
3529        RS      2    FLOW     -1.
3530        RC   0.02   0.016    0.02   2630.  0.0040
3531        RX   44.9     45.     66.    66.1    134.   134.1    155.   155.1
3532        RY    4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

3533        KK   CGA27
3534        KM   INTERSECTION COMBINE
3535        KM   GLENDALE & 27TH
3536        HC      2   0.357

3537        KK   DGA27
3538        KM   STREET INTERSECTION DIVERSION
3539        KM   GLENDALE & 27TH
3540        KM   0% West & 100% South
3541        KM   DIVERSION SOUTH
3542        KM   EXISTING STORM DRAIN ALONG 27TH AVENUE
```



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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

3543        KM   CAP= 120 CFS SOUTH
3544        DT   D27GA
3545        DI      0  10000.
3546        DQ      0  10000.

3547        KK    2-22
3548        KM   SUB-BASIN 2-22
3549        KM   6-HOUR RAINFALL, PATTERN NO. 1.40 WAS USED TO FIND TC & R FOR THIS BASIN
3550        KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .987
3551        KM     L = 1.42  Kb = .072  Adj. Slope =   14.0
3552        BA   1.004
3553        LG    .250    .220   6.400    .190  26.000
3554        UC   1.500    .766
3555        UA      0       5      16      30      65      77      84      90      94      97
3556        UA    100

3557        KK   D222S
3558        KM   SUB-BASIN DIVERSION
3559        KM   SUB-BASIN 2-22
3560        KM   9% West & 91% South
3561        DT   D222W
3562        DI      0  10000.
3563        DQ      0    900.

3564        KK   SNA1S
3565        KM   RETRIEVAL OF STREET CAPACITY DIVERSION
3566        KM   NORTHERN
3567        DR   SNA1S

3568        KK   R222S
3569        KM   SUB-BASIN STREET ROUTE
3570        KM   SOUTH
3571        KM   RW= 170'
3572        KM   PAV= 113'
3573        RS      5    FLOW     -1.
3574        RC   0.02   0.016    0.02   5240.  0.0040
3575        RX      0     0.1    28.5    38.5   131.5   141.5    170.   170.1
3576        RY    4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

3577        KK   S27AW
```

```
3578          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
3579          KM   27TH AVENUE
3580          DR   S27AW

3581          KK   R222W
3582          KM   SUB-BASIN STREET ROUTE -- SPECIAL CASE
3583          KM   FLOW PATH PARALLELS 27TH AVENUE
3584          KM   WEST
3585          KM   RW= 100'
3586          KM   PAV=  70'
3587          RS       4    FLOW     -1.
3588          RC    0.02   0.016    0.02   4100.  0.0029
3589          RX       0     0.1    15.0    25.0    75.0    85.0    100.   100.1
3590          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

3591          KK   C2-22
3592          KM   SUB-BASIN COMBINE
3593          HC       3   2.455

3594          KK   D35NA
3595          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
3596          KM   35TH & NORTHERN
3597          DR   D35NA

3598          KK   R35C
3599          KM   STREET ROUTE
3600          KM   SOUTH
3601          KM   35TH Avenue
3602          RS       3    FLOW     -1.
3603          RC    0.02   0.016    0.02   2620.  0.0034
3604          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
3605          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

3606          KK   D222W
3607          KM   RETRIEVAL OF SUB-BASIN DIVERSION
3608          KM   SUB-BASIN 2-22
3609          DR   D222W

3610          KK   C35B
3611          KM   NORTH/SOUTH STREET COMBINE
3612          KM   35TH AVENUE
3613          HC       2   2.078

3614          KK   S35BS
3615          KM   STREET CAPACITY DIVERSION
3616          KM   35TH AVENUE
3617          KM   DIVERSION TO WEST
3618          KM   EXISTING STORM DRAIN ALONG 35TH AVENUE
3619          KM   CAP=  70 CFS SOUTH
3620          DT   S35BW
3621          DI       0    104.    153.   1567.   2641.
3622          DQ       0     0.1     40.    918.   1584.

3623          KK   R35D
3624          KM   STREET ROUTE
3625          KM   SOUTH
3626          KM   35TH Avenue
3627          RS       3    FLOW     -1.
3628          RC    0.02   0.016    0.02   2640.  0.0031
3629          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
3630          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
```

```
3631          KK   S35CE
3632          KM   STREET CAPACITY DIVERSION
3633          KM   MAIN PATH IS TO THE EAST, CONVEYING 33% OF THE FLOW
3634          KM   35TH AVENUE
3635          KM   DIVERSION TO SOUTH
3636          DT   S35CS
3637          DI       0  10000.
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

3638          DQ       0   6700.

3639          KK   CGA1
3640          KM   EAST/WEST STREET COMBINE
3641          KM   GLENDALE
3642          HC       3   2.542

3643          KK   SGA1W
3644          KM   STREET CAPACITY DIVERSION
3645          KM   GLENDALE AVENUE -- ALL FLOW IS TO THE SOUTH --
3646          KM   DIVERSION TO SOUTH
3647          DT   SGA1S
3648          DI       0  10000.
3649          DQ       0  10000.

3650          KK   S35CS
3651          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
3652          KM   GLENDALE AVENUE
3653          DR   S35CS

3654          KK   CGA35
3655          KM   INTERSECTION COMBINE
3656          KM   GLENDALE & 35TH
3657          HC       2     2.1

3658          KK   DGA35
3659          KM   STREET INTERSECTION DIVERSION
3660          KM   GLENDALE & 35TH
3661          KM   17% West & 83% South
3662          KM   DIVERSION SOUTH
3663          KM   EXISTING STORM DRAIN ALONG 35TH AVENUE
3664          KM   CAP=  64 CFS SOUTH
3665          DT   D35GA
3666          DI       0     64.  10064.
3667          DQ       0     64.   8364.

3668          KK   RGA1
3669          KM   STREET ROUTE
3670          KM   WEST
3671          KM   GLENDALE
3672          RS       3    FLOW     -1.
3673          RC    0.02   0.016    0.02   2590.  0.0022
3674          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
3675          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

3676          KK   SNA2S
3677          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
3678          KM   NORTHERN
3679          DR   SNA2S
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

3680          KK   R322S
```

```
3681        KM   SUB-BASIN STREET ROUTE
3682        KM   SOUTH
3683        KM   RW= 170'
3684        KM   PAV= 113'
3685        RS      5    FLOW     -1.
3686        RC   0.02   0.016    0.02   5260.  0.0032
3687        RX      0     0.1    28.5    38.5   131.5   141.5    170.   170.1
3688        RY    4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

3689        KK    3-22
3690        KM   SUB-BASIN 3-22
3691        KM   6-HOUR RAINFALL, PATTERN NO. 1.40 WAS USED TO FIND TC & R FOR THIS BASIN
3692        KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .987
3693        KM     L = 1.22  Kb = .073  Adj. Slope =   15.0
3694        BA    .999
3695        LG    .240    .160   7.300    .130  34.000
3696        UC   1.500    .681
3697        UA      0       5      16      30      65      77      84      90      94      97
3698        UA    100

3699        KK   S35BW
3700        KM   RETRIEVAL OF STREET CAPACITY DIVERSION
3701        KM   35TH
3702        DR   S35BW

3703        KK   R322W
3704        KM   SUB-BASIN STREET ROUTE
3705        KM   WEST
3706        KM   RW= 270'
3707        KM   PAV= 183'
3708        RS      6    FLOW     -1.
3709        RC   0.02   0.016    0.02   5210.  0.0024
3710        RX      0     0.1    43.5    53.5   216.5   226.5    270.   270.1
3711        RY    4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

3712        KK   C3-22
3713        KM   SUB-BASIN COMBINE
3714        HC      3   4.682

3715        KK   D322S
3716        KM   SUB-BASIN DIVERSION
3717        KM   SUB-BASIN 3-22
3718        KM   43% West & 57% South
3719        KM   DIVERSION WEST
3720        KM   SPECIAL CASE
3721        KM   EXISTING STORM DRAIN ALONG 39TH AVENUE
3722        KM   CAP= 150 CFS SOUTH
3723        DT   D322W
3724        DI      0    150.  10150.
3725        DQ      0     0.1   4300.
```



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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

3726        KK   CGA2
3727        KM   EAST/WEST STREET COMBINE
3728        KM   GLENDALE
3729        HC      2   4.682

3730        KK   SGA2W
3731        KM   CASE 2
3732        KM   STREET CAPACITY DIVERSION
3733        KM   GLENDALE
3734        KM   DIVERSION TO SOUTH
3735        KM   EXISTING STORM DRAIN ALONG GLENDALE AVENUE
```


K/L 4PRINT

```
3736        KM   CAP=  27 CFS SOUTH
3737        KM   EXISTING STORM DRAIN ALONG 39TH AVENUE
3738        KM   CAP= 150 CFS SOUTH
3739        DT   SGA2S
3740        DI       0    247.    306.   1683.   2724.
3741        DQ       0    181.    223.   1038.   1638.

3742        KK   RGA2
3743        KM   STREET ROUTE
3744        KM   WEST
3745        KM   GLENDALE
3746        RS       3   FLOW     -1.
3747        RC    0.02   0.016    0.02   2610.  0.0026
3748        RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
3749        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

3750        KK   D43NA
3751        KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
3752        KM   43RD & NORTHERN
3753        DR   D43NA

3754        KK   R43D
3755        KM   STREET ROUTE
3756        KM   SOUTH
3757        KM   43RD Avenue
3758        RS       3   FLOW     -1.
3759        RC    0.02   0.016    0.02   2660.  0.0038
3760        RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
3761        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

3762        KK   D322W
3763        KM   RETRIEVAL OF SUB-BASIN DIVERSION
3764        KM   SUB-BASIN 3-22
3765        DR   D322W

3766        KK   C43C
3767        KM   NORTH/SOUTH STREET COMBINE
3768        KM   43RD AVENUE
3769        HC       2   4.682
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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

3770        KK   S43CS
3771        KM   STREET CAPACITY DIVERSION
3772        KM   43RD
3773        KM   DIVERSION TO WEST
3774        KM   EXISTING STORM DRAIN ALONG 43RD AVENUE
3775        KM   CAP= 100 CFS SOUTH
3776        DT   S43CW
3777        DI       0    136.    169.   1265.   2097.
3778        DQ       0     0.1     24.    565.    975.

3779        KK   R43E
3780        KM   STREET ROUTE
3781        KM   SOUTH
3782        KM   43RD Avenue
3783        RS       3   FLOW     -1.
3784        RC    0.02   0.016    0.02   2620.  0.0031
3785        RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
3786        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

3787        KK   CGA43
3788        KM   INTERSECTION COMBINE
3789        KM   GLENDALE & 43RD
```

```
3790        HC      2   4.682

3791        KK   DGA43
3792        KM   STREET INTERSECTION DIVERSION
3793        KM   GLENDALE & 43RD
3794        KM   56% West & 44% South
3795        KM   DIVERSION SOUTH
3796        KM   EXISTING STORM DRAIN ALONG 43RD AVENUE
3797        KM   CAP= 100 CFS SOUTH
3798        DT   D43GA
3799        DI       0    100.  10100.
3800        DQ       0    100.   4500.

3801        KK   RGA3
3802        KM   STREET ROUTE
3803        KM   WEST
3804        KM   GLENDALE
3805        RS       4    FLOW     -1.
3806        RC    0.02   0.016    0.02   2610.  0.0015
3807        RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
3808        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

3809        KK   SNA3S
3810        KM   RETRIEVAL OF STREET CAPACITY DIVERSION
3811        KM   NORTHERN
3812        DR   SNA3S
```



```
LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

3813        KK   R422S
3814        KM   SUB-BASIN STREET ROUTE
3815        KM   SOUTH
3816        KM   RW= 170'
3817        KM   PAV= 113'
3818        RS       5    FLOW     -1.
3819        RC    0.02   0.016    0.02   5260.  0.0036
3820        RX       0     0.1    28.5    38.5   131.5   141.5    170.   170.1
3821        RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

3822        KK    4-22
3823        KM   SUB-BASIN 4-22
3824        KM   6-HOUR RAINFALL, PATTERN NO. 1.40 WAS USED TO FIND TC & R FOR THIS BASIN
3825        KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .987
3826        KM     L = 1.46  Kb = .069  Adj. Slope =   15.0
3827        BA   1.004
3828        LG    .230    .260   5.600    .260  36.000
3829        UC   1.500    .784
3830        UA       0       5      16      30      65      77      84      90      94      97
3831        UA     100

3832        KK   S43CW
3833        KM   RETRIEVAL OF STREET CAPACITY DIVERSION
3834        KM   43RD
3835        DR   S43CW

3836        KK   R422W
3837        KM   SUB-BASIN STREET ROUTE
3838        KM   WEST
3839        KM   RW= 170'
3840        KM   PAV= 113'
3841        RS       8    FLOW     -1.
3842        RC    0.02   0.016    0.02   5240.  0.0016
3843        RX       0     0.1    28.5    38.5   131.5   141.5    170.   170.1
3844        RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0
```


K/L 4PRINT

```
3845          KK   C4-22
3846          KM   SUB-BASIN COMBINE
3847          HC       3   8.070

3848          KK   D422S
3849          KM   SUB-BASIN DIVERSION
3850          KM   SUB-BASIN 4-22
3851          KM   42% West & 58% South
3852          DT   D422W
3853          DI       0  10000.
3854          DQ       0   4200.

3855          KK   CGA3
3856          KM   EAST/WEST STREET COMBINE
3857          KM   GLENDALE
3858          HC       2   8.070
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

3859          KK   SGA3W
3860          KM   STREET CAPACITY DIVERSION
3861          KM   GLENDALE
3862          KM   DIVERSION TO SOUTH
3863          DT   SGA3S
3864          DI       0     57.    109.   1291.   2179.
3865          DQ       0     30.     70.    860.   1440.

3866          KK   RGA4
3867          KM   STREET ROUTE
3868          KM   WEST
3869          KM   GLENDALE
3870          RS       5    FLOW     -1.
3871          RC    0.02   0.016    0.02   2600.  0.0008
3872          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
3873          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

3874          KK   D51NA
3875          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
3876          KM   51ST & NORTHERN
3877          DR   D51NA

3878          KK   R51F
3879          KM   STREET ROUTE
3880          KM   SOUTH
3881          KM   51ST Avenue
3882          RS       3    FLOW     -1.
3883          RC    0.02   0.016    0.02   2630.  0.0035
3884          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
3885          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

3886          KK   D422W
3887          KM   RETRIEVAL OF SUB-BASIN DIVERSION
3888          KM   SUB-BASIN 4-22
3889          DR   D422W

3890          KK   C51C
3891          KM   NORTH/SOUTH STREET COMBINE
3892          KM   51ST AVENUE
3893          HC       2   8.070

3894          KK   S51DS
3895          KM   STREET CAPACITY DIVERSION
3896          KM   51ST
```

```
3897          KM   DIVERSION TO WEST
3898          DT   S51DW
3899          DI       0     42.    120.   1670.   2848.
3900          DQ       0     0.1     60.   1004.   1705.
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

3901          KK   R51G
3902          KM   STREET ROUTE
3903          KM   SOUTH
3904          KM   51ST Avenue
3905          RS       3    FLOW     -1.
3906          RC    0.02   0.016    0.02   2640.  0.0021
3907          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
3908          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

3909          KK   CGA51
3910          KM   INTERSECTION COMBINE
3911          KM   GLENDALE & 51ST
3912          HC       2   8.070

3913          KK   DGA51
3914          KM   STREET INTERSECTION DIVERSION
3915          KM   GLENDALE & 51ST
3916          KM   45% West & 55% South
3917          DT   D51GA
3918          DI       0  10000.
3919          DQ       0   5500.

3920          KK   RGA5
3921          KM   STREET ROUTE
3922          KM   WEST
3923          KM   GLENDALE
3924          RS       3    FLOW     -1.
3925          RC    0.02   0.016    0.02   2300.  0.0026
3926          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
3927          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

3928          KK   SNA4S
3929          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
3930          KM   NORTHERN
3931          DR   SNA4S

3932          KK   R522S
3933          KM   SUB-BASIN STREET ROUTE
3934          KM   SOUTH
3935          KM   RW= 170'
3936          KM   PAV= 113'
3937          RS       7    FLOW     -1.
3938          RC    0.02   0.016    0.02   5300.  0.0018
3939          RX       0     0.1    28.5    38.5   131.5   141.5    170.   170.1
3940          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

3941          KK    5-22
3942          KM   SUB-BASIN 5-22
3943          KM   6-HOUR RAINFALL, PATTERN NO. 1.41 WAS USED TO FIND TC & R FOR THIS BASIN
3944          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .987
3945          KM     L = 1.27  Kb = .063  Adj. Slope =   20.0
3946          BA   1.014
3947          LG    .270    .250   5.200    .340  36.000
3948          UC   1.471    .682
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10
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IC/L4PRINT

```
3949        UA      0      5     16     30     65     77     84     90     94     97
3950        UA    100

3951        KK   S51DW
3952        KM   RETRIEVAL OF STREET CAPACITY DIVERSION
3953        KM   51ST
3954        DR   S51DW

3955        KK   R522W
3956        KM   SUB-BASIN STREET ROUTE
3957        KM   WEST
3958        KM   RW= 170'
3959        KM   PAV= 113'
3960        RS      6    FLOW     -1.
3961        RC   0.02   0.016    0.02   5360.  0.0031
3962        RX      0     0.1    28.5    38.5   131.5   141.5    170.   170.1
3963        RY    4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

3964        KK   C5-22
3965        KM   SUB-BASIN COMBINE
3966        HC      3    12.1

3967        KK   D522S
3968        KM   SUB-BASIN DIVERSION
3969        KM   SUB-BASIN 5-22
3970        KM   48% West & 52% South
3971        DT   D522W
3972        DI      0  10000.
3973        DQ      0   4800.

3974        KK   CGA4
3975        KM   EAST/WEST STREET COMBINE
3976        KM   GLENDALE
3977        HC      2    12.1

3978        KK   SGA4W
3979        KM   CASE 2
3980        KM   STREET CAPACITY DIVERSION
3981        KM   GLENDALE
3982        KM   DIVERSION TO SOUTH
3983        DT   SGA4S
3984        DI      0     71.    179.   2350.   3985.
3985        DQ      0     28.    117.   1660.   2801.

3986        KK   RGA6
3987        KM   STREET ROUTE
3988        KM   WEST
3989        KM   GLENDALE
3990        RS      3    FLOW     -1.
3991        RC   0.02   0.016    0.02   3040.  0.0033
3992        RX   44.9     45.     66.    66.1    134.   134.1    155.   155.1
3993        RY    4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
```



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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

3994        KK   D59NA
3995        KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
3996        KM   59TH & NORTHERN
3997        DR   D59NA

3998        KK   R59G
3999        KM   STREET ROUTE
4000        KM   SOUTH
```

```
4001    KM   59TH Avenue
4002    RS       4    FLOW     -1.
4003    RC    0.02   0.016    0.02   2620.  0.0017
4004    RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
4005    RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

4006    KK   D522W
4007    KM   RETRIEVAL OF SUB-BASIN DIVERSION
4008    KM   SUB-BASIN 5-22
4009    DR   D522W

4010    KK   C59D
4011    KM   NORTH/SOUTH STREET COMBINE
4012    KM   59TH AVENUE
4013    HC       2  12.340

4014    KK   S59DS
4015    KM   STREET CAPACITY DIVERSION
4016    KM   59TH
4017    KM   DIVERSION TO WEST
4018    DT   S59DW
4019    DI       0     34.    130.   1910.   3253.
4020    DQ       0     0.1     82.   1375.   2337.

4021    KK   R59H
4022    KM   STREET ROUTE
4023    KM   SOUTH
4024    KM   59TH Avenue
4025    RS       4    FLOW     -1.
4026    RC    0.02   0.016    0.02   2620.  0.0019
4027    RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
4028    RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

4029    KK   CGA59
4030    KM   INTERSECTION COMBINE
4031    KM   GLENDALE & 59TH
4032    HC       2  12.340

4033    KK   DGA59
4034    KM   STREET INTERSECTION DIVERSION
4035    KM   GLENDALE & 59TH
4036    KM   DIVERSION IS TO THE NORTH
4037    KM   ALL FLOW IS TO THE NORTH
4038    KM   0% West & 100% NORTH
4039    DT   D59GA
4040    DI       0  10000.
```



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LINE    ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

4041    DQ       0  10000.

4042    KK   D67NA
4043    KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
4044    KM   NORTHERN & 67TH
4045    DR   D67NA

4046    KK   SNA5S
4047    KM   RETRIEVAL OF STREET CAPACITY DIVERSION
4048    KM   NORTHERN
4049    DR   SNA5S

4050    KK  R622ES
4051    KM   SUB-BASIN STREET ROUTE
4052    KM   SOUTH
4053    KM   RW= 170'
```


K/14PRINT

```
4054          KM   PAV= 113'
4055          RS       8    FLOW     -1.
4056          RC    0.02   0.016    0.02   6250.  0.0020
4057          RX       0     0.1    28.5    38.5   131.5   141.5    170.   170.1
4058          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

4059          KK   6-22E
4060          KM   SUB-BASIN 6-22E
4061          KM   6-HOUR RAINFALL, PATTERN NO. 1.00 WAS USED TO FIND TC & R FOR THIS BASIN
4062          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .994
4063          KM     L =  .91  Kb = .075  Adj. Slope =   16.0
4064          BA    .498
4065          LG    .250    .150   7.600    .130  34.000
4066          UC   1.212    .632
4067          UA       0       5      16      30      65      77      84      90      94      97
4068          UA     100

4069          KK   S59DW
4070          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
4071          KM   59TH AVENUE
4072          DR   S59DW

4073          KK  R622EW
4074          KM   SUB-BASIN STREET ROUTE
4075          KM   WEST
4076          KM   RW= 170'
4077          KM   PAV= 113'
4078          RS       6    FLOW     -1.
4079          RC    0.02   0.016    0.02   5300.  0.0024
4080          RX       0     0.1    28.5    38.5   131.5   141.5    170.   170.1
4081          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

4082          KK   D59GA
4083          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
4084          KM   59TH & GLENDALE
4085          DR   D59GA
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


4086          KK  C6-22E
4087          KM   SUB-BASIN COMBINE
4088          HC       5    16.9

4089          KK   8-22E
4090          KM   SUB-BASIN 8-22E
4091          KM   6-HOUR RAINFALL, PATTERN NO. 1.02 WAS USED TO FIND TC & R FOR THIS BASIN
4092          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .993
4093          KM     L =  .88  Kb = .044  Adj. Slope =   15.0
4094          BA    .522
4095          LG    .150    .250   4.800    .380  61.000
4096          UC    .804    .380
4097          UA       0       5      16      30      65      77      84      90      94      97
4098          UA     100

4099          KK   SGA4S
4100          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
4101          KM   GLENDALE
4102          DR   SGA4S

4103          KK  R822ES
4104          KM   SUB-BASIN STREET ROUTE
4105          KM   SOUTH
4106          KM   RW= 370'
4107          KM   PAV= 253'
```

```
4108        RS      3    FLOW     -1.
4109        RC   0.02   0.016    0.02   2620.  0.0025
4110        RX      0     0.1    58.5    68.5   301.5   311.5    370.   370.1
4111        RY    4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

4112        KK  C8-22E
4113        KM   SUB-BASIN COMBINE
4114        HC      2    12.6

4115        KK  D822EW
4116        KM   SUB-BASIN DIVERSION
4117        KM   SUB-BASIN 8-22E
4118        KM   50% NORTHWEST & 50% SOUTHEAST
4119        KM   DIVERSION IS TO THE SOUTHEAST
4120        KM   MAIN COMPUTATION PATH IS TO THE NORTHWEST
4121        DT  D822ES
4122        DI      0  10000.
4123        DQ      0   5000.

4124        KK   RGR3
4125        KM   STREET ROUTE
4126        KM   NORTHWEST
4127        KM   GRAND AVENUE
4128        KM   RW=  93'
4129        KM   PAV=  88'
4130        RS      8    FLOW     -1.
4131        RC   0.02   0.016    0.02   3760.  0.0008
4132        RX      0     0.1     2.5    12.5    80.5    90.5     93.    93.1
4133        RY    4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0
```



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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

4134        KK  C622EA
4135        KM   SUB-BASIN COMBINE
4136        HC      2    17.4

4137        KK   RES6
4138        KM   PONDING AREA RESERVOIR ROUTE
4139        KM   EXISTING PONDING AREA AND SURCHARGE BASIN - "WEST BASIN" PER FCD 94-12
4140        KM   FOR THE ORANGEWOOD AVENUE STORM DRAIN SYSTEM AT ABOUT 65TH AVENUE
4141        KM   PONDING AREA NORTHEAST OF GRAND AVENUE/RR EMBANKMENT
4142        KM   STORM DRAIN ALONG ORANGEWOOD AVE AS PART OF ORANGEWOOD S.D. SYSTEM
4143        KM   CAP= 108.0 CFS WEST
4144        KM   SUB-BASIN 6-22E
4145        RS      1    FLOW      0.
4146        SV     0.    73.5    147.    150.    163.    190.    235.    293.    365.    450.
4147        SE   1131.   1136.   1141.   1142.   1143.   1144.   1145.   1146.   1147.   1148.
4148        SQ     0.    108.    108.    108.    108.    108.    108.   2298.   9138.  20498.

4149        KK  R622WW
4150        KM   SUB-BASIN STREET ROUTE
4151        KM   WEST
4152        KM   RW= 100'
4153        KM   PAV= 70'
4154        RS      2    FLOW     -1.
4155        RC   0.02   0.016    0.02   2200.  0.0034
4156        RX      0     0.1    15.0    25.0    75.0    85.0    100.   100.1
4157        RY    4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

4158        KK   6-22W
4159        KM   SUB-BASIN 6-22W
4160        KM   6-HOUR RAINFALL, PATTERN NO. 1.00 WAS USED TO FIND TC & R FOR THIS BASIN
4161        KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .994
4162        KM     L =  .70  Kb = .058  Adj. Slope =   19.0
```


K&J 4PRINT

```
4163        BA    .474
4164        LG    .200    .250   6.000    .240  51.000
4165        UC    .771    .319
4166        UA      0       5      16      30      65      77      84      90      94      97
4167        UA    100

4168        KK  C6-22W
4169        KM   SUB-BASIN COMBINE
4170        HC      2    17.9

4171        KK  D622WS
4172        KM   SUB-BASIN DIVERSION
4173        KM   SUB-BASIN 6-22W
4174        KM   36% West & 64% South
4175        KM   DIVERSION WEST
4176        KM   STORM DRAIN ALONG ORANGEWOOD AVE AS PART OF ORANGEWOOD S.D. SYSTEM
4177        KM   CAP= 235.0 CFS WEST
4178        DT  D622WW
4179        DI      0    235.    435.    735.   1235.   2235.
4180        DQ      0    235.    307.    415.    595.    955.
```



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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

4181        KK   CGA5
4182        KM   EAST/WEST STREET COMBINE
4183        KM   GLENDALE
4184        HC      2    17.9

4185        KK   SGA5W
4186        KM   STREET CAPACITY DIVERSION
4187        KM   GLENDALE AVENUE
4188        KM   DIVERSION TO SOUTH
4189        DT   SGA5S
4190        DI      0     49.    141.   1971.   3361.
4191        DQ      0    0.1     71.   1190.   2021.

4192        KK   RGA7
4193        KM   STREET ROUTE
4194        KM   WEST
4195        KM   GLENDALE
4196        RS      2   FLOW     -1.
4197        RC   0.02  0.016    0.02   2500.  0.0041
4198        RX   44.9    45.     66.    66.1    134.   134.1    155.   155.1
4199        RY    4.3    0.3     0.3     0.0     0.0     0.3     0.3     4.3

4200        KK  D622WW
4201        KM   RETRIEVAL OF SUB-BASIN DIVERSION
4202        KM   SUB-BASIN 6-22W
4203        DR  D622WW

4204        KK   S67ES
4205        KM   STREET CAPACITY DIVERSION
4206        KM   67TH AVENUE
4207        KM   DIVERSION TO WEST
4208        KM   STORM DRAIN ALONG ORANGEWOOD AVENUE
4209        KM   CAP= 235.0 CFS WEST
4210        DT   S67EW
4211        DI      0    235.    275.    308.   1136.   1775.
4212        DQ      0    235.    235.    251.    495.    677.

4213        KK   R67I
4214        KM   STREET ROUTE
4215        KM   SOUTH
4216        KM   67TH Avenue
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4217          RS      4    FLOW    -1.
4218          RC   0.02   0.016   0.02   2660.  0.0012
4219          RX   44.9     45.     66.    66.1    134.   134.1    155.   155.1
4220          RY    4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

4221          KK   CGA67
4222          KM   INTERSECTION COMBINE
4223          KM   GLENDALE & 67TH
4224          HC      2    17.9
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

4225          KK   DGA67
4226          KM   STREET INTERSECTION DIVERSION
4227          KM   GLENDALE & 67TH
4228          KM   70% West & 30% South
4229          DT   D67GA
4230          DI      0  10000.
4231          DQ      0   3000.

4232          KK    RGA8
4233          KM   STREET ROUTE
4234          KM   WEST
4235          KM   GLENDALE
4236          RS      3    FLOW    -1.
4237          RC   0.02   0.016   0.02   2680.  0.0035
4238          RX   44.9     45.     66.    66.1    134.   134.1    155.   155.1
4239          RY    4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

4240          KK   SNA6S
4241          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
4242          KM   NORTHERN
4243          DR   SNA6S

4244          KK   R121S
4245          KM   SUB-BASIN STREET ROUTE
4246          KM   SOUTH
4247          KM   RW= 70'
4248          KM   PAV= 43'
4249          RS      6    FLOW    -1.
4250          RC   0.02   0.016   0.02   5310.  0.0027
4251          RX      0     0.1    13.5    23.5    46.5    56.5     70.    70.1
4252          RY    4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

4253          KK    1-21
4254          KM   SUB-BASIN 1-21
4255          KM   6-HOUR RAINFALL, PATTERN NO. 1.40 WAS USED TO FIND TC & R FOR THIS BASIN
4256          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .987
4257          KM    L = 1.43  Kb = .071  Adj. Slope =   14.0
4258          BA   .999
4259          LG   .370    .150   8.800    .080  17.000
4260          UC  1.500    .773
4261          UA      0       5      16      30      65      77      84      90      94      97
4262          UA    100

4263          KK    RET1
4264          KM   RETENTION BASIN DIVERSION
4265          KM   SUB-BASIN 1-21
4266          KM    7% OF SUB-BASIN DRAINS TO RETENTION BASIN
4267          DT   D1-21    3.66
4268          DI      0  10000.
4269          DQ      0    700.
```


1C/14PRINT

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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

4270          KK   S67EW
4271          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
4272          KM   67TH
4273          DR   S67EW

4274          KK    RES1
4275          KM   SURCHARGE BASIN DIVERSION
4276          KM   "WEST BASIN" PER FCD 94-12
4277          KM   FOR THE ORANGEWOOD AVENUE STORM DRAIN SYSTEM AT ABOUT 71ST AVENUE
4278          KM   PEAK DISCHARGE CAPACITY OF DIVERSION PIPE = 185 CFS
4279          DT  RES100    45.0    185.
4280          DI       0    185.  10000.
4281          DQ       0    185.    185.

4282          KK   R121W
4283          KM   SUB-BASIN STREET ROUTE
4284          KM   WEST
4285          KM   RW= 170'
4286          KM   PAV= 113'
4287          RS       6    FLOW     -1.
4288          RC    0.02   0.016    0.02   5290.  0.0025
4289          RX       0     0.1    28.5    38.5   131.5   141.5    170.   170.1
4290          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

4291          KK   C1-21
4292          KM   SUB-BASIN COMBINE
4293          HC       3  27.655

4294          KK   D121S
4295          KM   SUB-BASIN DIVERSION
4296          KM   SUB-BASIN 1-21
4297          KM   33% West & 67% South
4298          KM   DIVERSION WEST
4299          KM   STORM DRAIN ALONG ORANGEWOOD AVE AS PART OF ORANGEWOOD S.D. SYSTEM
4300          KM   CAP=  83.0 CFS WEST
4301          DT   D121W
4302          DI       0     83.    283.    583.   1083.   2083.
4303          DQ       0     83.    149.    248.    413.    743.

4304          KK    CGA6
4305          KM   EAST/WEST STREET COMBINE
4306          KM   GLENDALE AVENUE
4307          HC       2  27.655

4308          KK   SGA6W
4309          KM   STREET CAPACITY DIVERSION
4310          KM   GLENDALE AVENUE
4311          KM   DIVERSION TO SOUTH
4312          DT   SGA6S
4313          DI       0     45.     80.    974.   1667.
4314          DQ       0    0.1     16.    260.    442.
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

4315          KK    RGA9
4316          KM   STREET ROUTE
4317          KM   WEST
4318          KM   GLENDALE AVENUE
4319          RS       3    FLOW     -1.
4320          RC    0.02   0.016    0.02   2660.  0.0029
4321          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
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4322          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

4323          KK   D75NA
4324          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
4325          KM   75TH & NORTHERN
4326          DR   D75NA

4327          KK    R75I
4328          KM   STREET ROUTE
4329          KM   SOUTH
4330          KM   75TH Avenue
4331          RS       3    FLOW     -1.
4332          RC    0.02   0.016    0.02   2650.  0.0025
4333          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
4334          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

4335          KK   D121W
4336          KM   RETRIEVAL OF SUB-BASIN DIVERSION
4337          KM   SUB-BASIN 1-21
4338          DR   D121W

4339          KK    C75D
4340          KM   NORTH/SOUTH STREET COMBINE
4341          KM   75TH AVENUE
4342          HC       2  27.655

4343          KK   S75FS
4344          KM   STREET CAPACITY DIVERSION
4345          KM   75TH
4346          KM   DIVERSION TO WEST
4347          KM   STORM DRAIN ALONG ORANGEWOOD AVENUE
4348          KM   CAP= 124 CFS WEST
4349          DT   S75FW
4350          DI       0    124.    167.    223.   1432.   2357.
4351          DQ       0    124.    124.    162.    756.   1198.

4352          KK    R75J
4353          KM   STREET ROUTE
4354          KM   SOUTH
4355          KM   75TH Avenue
4356          RS       3    FLOW     -1.
4357          RC    0.02   0.016    0.02   2640.  0.0033
4358          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
4359          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

4360          KK   CGA75
4361          KM   INTERSECTION COMBINE
4362          KM   GLENDALE & 75TH
4363          HC       2  27.655

4364          KK   DGA75
4365          KM   STREET INTERSECTION DIVERSION
4366          KM   GLENDALE & 75TH
4367          KM   39% West & 61% South
4368          DT   D75GA
4369          DI       0  10000.
4370          DQ       0   6100.

4371          KK   RGA10
4372          KM   STREET ROUTE
4373          KM   WEST
4374          KM   GLENDALE
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ICL4PRINT

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4375        RS      3    FLOW     -1.
4376        RC   0.02   0.016    0.02   2610.  0.0025
4377        RX   44.9     45.     66.    66.1    134.   134.1    155.   155.1
4378        RY    4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

4379        KK   SNA7S
4380        KM   RETRIEVAL OF STREET CAPACITY DIVERSION
4381        KM   GLENDALE
4382        DR   SNA7S

4383        KK   R221S
4384        KM   SUB-BASIN STREET ROUTE
4385        KM   SOUTH
4386        KM   RW= 50'
4387        KM   PAV= 35'
4388        RS      8    FLOW     -1.
4389        RC   0.02   0.016    0.02   5270.  0.0014
4390        RX      0     0.1     7.5    17.5    32.5    42.5     50.    50.1
4391        RY    4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

4392        KK    2-21
4393        KM   SUB-BASIN 2-21
4394        KM   6-HOUR RAINFALL, PATTERN NO. 1.40 WAS USED TO FIND TC & R FOR THIS BASIN
4395        KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .987
4396        KM     L = 1.15  Kb = .075  Adj. Slope =   16.0
4397        BA   .996
4398        LG   .390    .160   7.600    .130   9.000
4399        UC  1.500    .650
4400        UA      0       5      16      30      65      77      84      90      94      97
4401        UA    100

4402        KK   S75FW
4403        KM   RETRIEVAL OF STREET CAPACITY DIVERSION
4404        KM   75TH
4405        DR   S75FW
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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

4406        KK   R221W
4407        KM   SUB-BASIN STREET ROUTE
4408        KM   WEST
4409        KM   RW= 70'
4410        KM   PAV= 43'
4411        RS      6    FLOW     -1.
4412        RC   0.02   0.016    0.02   5300.  0.0029
4413        RX      0     0.1    13.5    23.5    46.5    56.5     70.    70.1
4414        RY    4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

4415        KK   C2-21
4416        KM   SUB-BASIN COMBINE
4417        HC      3  30.196

4418        KK   D221S
4419        KM   SUB-BASIN DIVERSION
4420        KM   SUB-BASIN 2-21
4421        KM   49% West & 51% South
4422        KM   DIVERSION WEST
4423        KM   STORM DRAIN ALONG ORANGEWOOD AVE AS PART OF ORANGEWOOD S.D. SYSTEM
4424        KM   CAP= 159.0 CFS WEST
4425        DT   D221W
4426        DI      0    159.    359.    659.   1159.   2159.
4427        DQ      0    159.    257.    404.    649.   1139.

4428        KK    CGA7
```


K/14PRINT

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4429        KM   EAST/WEST STREET COMBINE
4430        KM   GLENDALE AVENUE
4431        HC       2  30.196

4432        KK   SGA7W
4433        KM   STREET CAPACITY DIVERSION
4434        KM   GLENDALE
4435        KM   DIVERSION TO SOUTH
4436        DT   SGA7S
4437        DI       0     46.    103.   1357.   2317.
4438        DQ       0     0.1     38.    632.   1074.

4439        KK   RGA11
4440        KM   STREET ROUTE
4441        KM   WEST
4442        KM   GLENDALE AVENUE
4443        RS       2    FLOW     -1.
4444        RC    0.02   0.016    0.02   2630.  0.0041
4445        RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
4446        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

4447        KK   D83NA
4448        KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
4449        KM   83RD & NORTHERN
4450        DR   D83NA
            *
            * KM NO STREET ROUTE SOUTH FROM 83RD AND NORTHERN
            * KM DUE TO GRADE BREAK ALONG 83RD AVENUE
            *
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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

4451        KK   D221W
4452        KM   RETRIEVAL OF SUB-BASIN DIVERSION
4453        KM   SUB-BASIN 2-21
4454        DR   D221W

4455        KK    C83D
4456        KM   NORTH/SOUTH STREET COMBINE
4457        KM   83RD AVENUE
4458        HC       2  30.196

4459        KK   S83ES
4460        KM   STREET CAPACITY DIVERSION
4461        KM   83RD AVENUE
4462        KM   DIVERSION TO WEST
4463        KM   STORM DRAIN ALONG 83RD AVENUE AS PART OF ORANGEWOOD STORM DRAIN SYSTEM
4464        KM   CAP= 220.0 CFS SOUTH
4465        DT   S83EW
4466        DI       0    250.    274.    877.   1344.
4467        DQ       0     0.1     11.    186.    316.

4468        KK    R83I
4469        KM   STREET ROUTE
4470        KM   SOUTH
4471        KM   83RD Avenue
4472        RS       2    FLOW     -1.
4473        RC    0.02   0.016    0.02   2630.  0.0040
4474        RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
4475        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

4476        KK   CGA83
4477        KM   INTERSECTION COMBINE
4478        KM   GLENDALE & 83RD
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K/J 4PRINT

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4479        HC      2  30.196

4480        KK   DGA83
4481        KM   STREET INTERSECTION DIVERSION
4482        KM   GLENDALE & 83RD
4483        KM   60% West & 40% South
4484        KM   DIVERSION SOUTH
4485        KM   STORM DRAIN ALONG GLENDALE AVENUE AS PART OF ORANGEWOOD S.D. SYSTEM
4486        KM   CAP= 455.0 CFS WEST
4487        DT   D83GA
4488        DI      0    455.  10455.
4489        DQ      0     0.1   4000.

4490        KK   RGA12
4491        KM   STREET ROUTE
4492        KM   WEST
4493        KM   GLENDALE
4494        RS      4    FLOW     -1.
4495        RC   0.02   0.016    0.02   2690.  0.0020
4496        RX   44.9     45.     66.    66.1    134.   134.1    155.   155.1
4497        RY    4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
1                                        HEC-1 INPUT                                                    PAGE100

LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


4498        KK   SNA8S
4499        KM   RETRIEVAL OF STREET CAPACITY DIVERSION
4500        KM   NPRTHERN AVENUE
4501        DR   SNA8S

4502        KK   R321S
4503        KM   SUB-BASIN STREET ROUTE
4504        KM   SOUTH
4505        KM   RW= 50'
4506        KM   PAV= 35'
4507        RS      8    FLOW     -1.
4508        RC   0.02   0.016    0.02   5280.  0.0014
4509        RX      0     0.1     7.5    17.5    32.5    42.5     50.    50.1
4510        RY    4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

4511        KK    3-21
4512        KM   SUB-BASIN 3-21
4513        KM   6-HOUR RAINFALL, PATTERN NO. 1.39 WAS USED TO FIND TC & R FOR THIS BASIN
4514        KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .987
4515        KM     L = 1.42  Kb = .080  Adj. Slope =    8.0
4516        BA    .981
4517        LG    .490    .170   6.800    .200   1.000
4518        UC   1.000    .495
4519        UA      0       5      16      30      65      77      84      90      94      97
4520        UA    100

4521        KK   S83EW
4522        KM   RETRIEVAL OF STREET CAPACITY DIVERSION
4523        KM   83RD
4524        DR   S83EW

4525        KK   R321W
4526        KM   SUB-BASIN STREET ROUTE
4527        KM   WEST
4528        KM   RW= 50'
4529        KM   PAV= 35'
4530        RS      5    FLOW     -1.
4531        RC   0.02   0.016    0.02   5310.  0.0033
4532        RX      0     0.1     7.5    17.5    32.5    42.5     50.    50.1
4533        RY    4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0
```


</4PRINT

```
4534          KK   C3-21
4535          KM   SUB-BASIN COMBINE
4536          HC       3  34.462

4537          KK   D321S
4538          KM   SUB-BASIN DIVERSION
4539          KM   SUB-BASIN 3-21
4540          KM   31% West & 69% South
4541          DT   D321W
4542          DI       0  10000.
4543          DQ       0   3100.
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

4544          KK    CGA8
4545          KM   EAST/WEST STREET COMBINE
4546          KM   GLENDALE AVENUE
4547          HC       2  34.462

4548          KK   SGA8W
4549          KM   STREET CAPACITY DIVERSION
4550          KM   GLENDALE AVENUE
4551          KM   DIVERSION TO SOUTH
4552          KM   STORM DRAIN ALONG GLENDALE AVENUE AS PART OF ORANGEWOOD S.D. SYSTEM
4553          KM   CAP= 455.0 CFS
4554          DT   SGA8S
4555          DI       0    500.    530.   1355.   1995.
4556          DQ       0     0.1     11.    186.    316.

4557          KK   RGA13
4558          KM   STREET ROUTE
4559          KM   WEST
4560          KM   GLENDALE AVENUE
4561          RS       2    FLOW     -1.
4562          RC    0.02   0.016    0.02   2650.  0.0044
4563          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
4564          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

4565          KK   D91NA
4566          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
4567          KM   91ST & NORTHERN
4568          DR   D91NA

4569          KK    R91E
4570          KM   STREET ROUTE
4571          KM   SOUTH
4572          KM   91ST Avenue
4573          RS       3    FLOW     -1.
4574          RC    0.02   0.016    0.02   2570.  0.0033
4575          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
4576          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

4577          KK   D321W
4578          KM   RETRIEVAL OF SUB-BASIN DIVERSION
4579          KM   SUB-BASIN 3-21
4580          DR   D321W

4581          KK    C91C
4582          KM   NORTH/SOUTH STREET COMBINE
4583          KM   91ST AVENUE
4584          HC       2  34.462

4585          KK   S91CS
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1C/14PRINT

```
4586          KM   STREET CAPACITY DIVERSION
4587          KM   91ST
4588          KM   DIVERSION TO WEST
4589          DT   S91CW
4590          DI       0     46.     76.    909.   1555.
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

4591          DQ       0     0.1     11.    186.    316.

4592          KK    R91F
4593          KM   STREET ROUTE
4594          KM   SOUTH
4595          KM   91ST Avenue
4596          RS       3    FLOW     -1.
4597          RC    0.02   0.016    0.02   2610.  0.0032
4598          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
4599          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

4600          KK   CGA91
4601          KM   INTERSECTION COMBINE
4602          KM   GLENDALE & 91ST
4603          HC       2  34.462

4604          KK   DGA91
4605          KM   STREET INTERSECTION DIVERSION
4606          KM   GLENDALE & 91ST
4607          KM   64% West & 36% South
4608          KM   DIVERSION SOUTH
4609          KM   STORM DRAIN ALONG GLENDALE AVENUE AS PART OF ORANGEWOOD S.D. SYSTEM
4610          KM   CAP= 455.0 CFS WEST
4611          DT   D91GA
4612          DI       0    455.  10455.
4613          DQ       0     0.1   3600.

4614          KK   RGA14
4615          KM   STREET ROUTE
4616          KM   WEST
4617          KM   GLENDALE
4618          RS       2    FLOW     -1.
4619          RC    0.02   0.016    0.02   2580.  0.0040
4620          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
4621          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

4622          KK    4-21
4623          KM   SUB-BASIN 4-21
4624          KM   6-HOUR RAINFALL, PATTERN NO. 1.32 WAS USED TO FIND TC & R FOR THIS BASIN
4625          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .989
4626          KM     L = 1.35  Kb = .080  Adj. Slope =   13.0
4627          BA    .875
4628          LG    .490    .190   6.600    .220   2.000
4629          UC   1.500    .796
4630          UA       0       5      16      30      65      77      84      90      94      97
4631          UA     100

4632          KK    RET4
4633          KM   RETENTION BASIN DIVERSION
4634          KM   SUB-BASIN 4-21
4635          KM   13% OF SUB-BASIN DRAINS TO RETENTION BASIN
4636          DT   D4-21    5.94
4637          DI       0  10000.
4638          DQ       0   1300.
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10
```

```
4639          KK   S91CW
4640          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
4641          KM   91ST
4642          DR   S91CW

4643          KK   R421W
4644          KM   SUB-BASIN STREET ROUTE
4645          KM   WEST
4646          KM   RW= 50'
4647          KM   PAV= 35'
4648          RS       6    FLOW     -1.
4649          RC    0.02   0.016    0.02   4830.  0.0022
4650          RX       0     0.1     7.5    27.5    32.5    42.5     50.    50.1
4651          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

4652          KK   C4-21
4653          KM   SUB-BASIN COMBINE
4654          HC       2  35.336

4655          KK   D421S
4656          KM   SUB-BASIN DIVERSION
4657          KM   SUB-BASIN 4-21
4658          KM   42% West & 58% South
4659          DT   D421W
4660          DI       0  10000.
4661          DQ       0   4200.

4662          KK    CGA9
4663          KM   EAST/WEST STREET COMBINE
4664          KM   GLENDALE AVENUE
4665          HC       2  35.336

4666          KK   SGA9W
4667          KM   STREET CAPACITY DIVERSION
4668          KM   GLENDALE AVENUE
4669          KM   DIVERSION TO SOUTH
4670          KM   STORM DRAIN ALONG GLENDALE AVENUE AS PART OF ORANGEWOOD S.D. SYSTEM
4671          KM   CAP= 487.0 CFS WEST
4672          DT   SGA9S
4673          DI       0    524.    551.   1262.   1814.
4674          DQ       0     0.1     11.    186.    316.

4675          KK   RGA15
4676          KM   STREET ROUTE
4677          KM   WEST
4678          KM   GLENDALE AVENUE
4679          RS       7    FLOW     -1.
4680          RC    0.02   0.016    0.02   2690.  0.0005
4681          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
4682          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


4683          KK   D421W
4684          KM   RETRIEVAL OF SUB-BASIN DIVERSION
4685          KM   SUB-BASIN 4-21
4686          DR   D421W

4687          KK    R99A
4688          KM   STREET ROUTE
4689          KM   SOUTH
4690          KM   99TH Avenue
```

```
4691          RS       3    FLOW     -1.
4692          RC    0.02   0.016    0.02   2610.  0.0026
4693          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
4694          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

4695          KK   CGA99
4696          KM   INTERSECTION COMBINE
4697          KM   GLENDALE & 99TH
4698          HC       2  35.336

4699          KK   DGA99
4700          KM   STREET INTERSECTION DIVERSION
4701          KM   GLENDALE & 99TH
4702          KM   00% West & 100% South
4703          KM   DIVERSION SOUTH
4704          KM   STORM DRAIN ALONG GLENDALE AVENUE AS PART OF ORANGEWOOD S.D. SYSTEM
4705          KM   CAP= 487.0 CFS WEST
4706          DT   D99GA
4707          DI       0    487.  10487.
4708          DQ       0     0.1  10000.
              *
              * NO ROUTE ALONG GLENDALE DUE TO NEGATIVE SLOPE TO THE WEST
              *

4709          KK   5-21
4710          KM   SUB-BASIN 5-21
4711          KM   6-HOUR RAINFALL, PATTERN NO. 1.00 WAS USED TO FIND TC & R FOR THIS BASIN
4712          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .995
4713          KM     L =  .74  Kb = .053  Adj. Slope =   16.0
4714          BA    .348
4715          LG    .320    .270   6.400    .190  11.000
4716          UC    .962    .509
4717          UA       0       5      16      30      65      77      84      90      94      97
4718          UA     100

4719          KK   C5-21
4720          KM   SUB-BASIN COMBINE
4721          HC       2  35.681

4722          KK   NULL4
4723          KM   NULL COMBINE @ GLENDALE AVE C.P.
4724          HC       2      1.
              *
              * BETHANY HOME ROAD COMPUTATION PATH
              *
1                                   HEC-1 INPUT                                          PAGE105

LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


4725          KK   11-22
4726          KM   SUB-BASIN 11-22
4727          KM   6-HOUR RAINFALL, PATTERN NO. 1.41 WAS USED TO FIND TC & R FOR THIS BASIN
4728          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .987
4729          KM     L = 1.48  Kb = .064  Adj. Slope =   14.0
4730          BA   1.006
4731          LG    .220    .260   5.200    .290  38.000
4732          UC   1.500    .791
4733          UA       0       5      16      30      65      77      84      90      94      97
4734          UA     100

4735          KK  D1122S
4736          KM   SUB-BASIN DIVERSION
4737          KM   SUB-BASIN 11-22
4738          KM   21% West & 79% South
4739          DT  D1122W
```

```
4740          DI       0  10000.
4741          DQ       0   2100.

4742          KK   SGA1S
4743          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
4744          KM   GLENDALE
4745          DR   SGA1S

4746          KK  R1122S
4747          KM   SUB-BASIN STREET ROUTE
4748          KM   SOUTH
4749          KM   RW= 120'
4750          KM   PAV= 78'
4751          RS       5    FLOW     -1.
4752          RC    0.02   0.016    0.02   5250.  0.0036
4753          RX       0     0.1    21.0    31.0    89.0    99.0    120.   120.1
4754          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

4755          KK  C11-22
4756          KM   SUB-BASIN COMBINE
4757          HC       2     3.5

4758          KK  SD31A
4759          KM   STORM DRAIN DIVERSION
4760          KM   STORM DRAIN ALONG HALF MILE STREET
4761          KM   EXISTING STORM DRAIN ALONG 31ST AVENUE
4762          KM   DIVERSION SOUTH
4763          KM   CAP= 147 CFS SOUTH
4764          DT  SD31AS
4765          DI       0    147.  10147.
4766          DQ       0    147.    147.

4767          KK   SBH1E
4768          KM   STREET CAPACITY DIVERSION
4769          KM   BETHANY HOME ROAD
4770          KM   SPECIAL CASE
4771          KM   50/50 SPLIT EAST/WEST DUE TO GRADE BREAK
4772          DT   SBH1W
```



```
LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

4773          DI       0  10000.
4774          DQ       0   5000.

4775          KK   RBH1
4776          KM   STREET ROUTE
4777          KM   EAST
4778          KM   BETHANY HOME ROAD
4779          RS       5    FLOW     -1.
4780          RC    0.02   0.016    0.02   2630.  0.0011
4781          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
4782          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

4783          KK   D27GA
4784          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
4785          KM   27TH & GLENDALE
4786          DR   D27GA

4787          KK   R27C
4788          KM   STREET ROUTE
4789          KM   SOUTH
4790          KM   27TH Avenue
4791          RS       5    FLOW     -1.
4792          RC    0.02   0.016    0.02   5270.  0.0039
4793          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
```

```
4794          RY    4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

4795          KK   12-22
4796          KM   SUB-BASIN 12-22
4797          KM   6-HOUR RAINFALL, PATTERN NO. 1.00 WAS USED TO FIND TC & R FOR THIS BASIN
4798          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .997
4799          KM     L =  .68  Kb = .069  Adj. Slope =   15.0
4800          BA    .245
4801          LG    .200    .260   4.800    .340  49.000
4802          UC    .967    .584
4803          UA       0       5      16      30      65      77      84      90      94      97
4804          UA     100

4805          KK   CBH27
4806          KM   INTERSECTION COMBINE
4807          KM   BETHANY HOME & 27TH
4808          HC       3    21.3

4809          KK   DBH27
4810          KM   STREET INTERSECTION DIVERSION
4811          KM   BETHANY HOME & 27TH
4812          KM   0% West & 100% South
4813          KM   DIVERSION SOUTH
4814          KM   EXISTING STORM DRAIN ALONG 27TH AVENUE
4815          KM   CAP= 145 CFS SOUTH
4816          DT   D27BH
4817          DI       0  10000.
4818          DQ       0  10000.
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

4819          KK   D35GA
4820          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
4821          KM   35TH & GLENDALE
4822          DR   D35GA

4823          KK   R35E
4824          KM   STREET ROUTE
4825          KM   SOUTH
4826          KM   35TH Avenue
4827          RS       2    FLOW     -1.
4828          RC    0.02   0.016    0.02   2620.  0.0054
4829          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
4830          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

4831          KK  D1122W
4832          KM   RETRIEVAL OF SUB-BASIN DIVERSION
4833          KM   SUB-BASIN 11-22
4834          DR  D1122W

4835          KK   C35C
4836          KM   NORTH/SOUTH STREET COMBINE
4837          KM   35TH AVENUE
4838          HC       2     3.1

4839          KK   R35F
4840          KM   STREET ROUTE
4841          KM   SOUTH
4842          KM   35TH Avenue
4843          RS       2    FLOW     -1.
4844          RC    0.02   0.016    0.02   2630.  0.0042
4845          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
4846          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
```


K/14PRINT

```
4847          KK   SBH1W
4848          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
4849          KM   SPECIAL CASE
4850          KM   50/50 SPLIT EAST/WEST DUE TO GRADE BREAK
4851          KM   BETHANY HOME ROAD
4852          DR   SBH1W

4853          KK   RBH2
4854          KM   STREET ROUTE
4855          KM   WEST
4856          KM   BETHANY HOME
4857          RS       4    FLOW     -1.
4858          RC    0.02   0.016    0.02   2650.  0.0012
4859          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
4860          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

4861          KK   SGA2S
4862          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
4863          KM   GLENDALE
4864          DR   SGA2S

4865          KK  R1022S
4866          KM   SUB-BASIN STREET ROUTE
4867          KM   SOUTH
4868          KM   RW= 70'
4869          KM   PAV= 43'
4870          RS       5    FLOW     -1.
4871          RC    0.02   0.016    0.02   5260.  0.0034
4872          RX       0     0.1    13.5    23.5    46.5    56.5     70.    70.1
4873          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

4874          KK   10-22
4875          KM   SUB-BASIN 10-22
4876          KM   6-HOUR RAINFALL, PATTERN NO. 1.40 WAS USED TO FIND TC & R FOR THIS BASIN
4877          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .987
4878          KM     L = 1.35  Kb = .077  Adj. Slope =   15.0
4879          BA    .991
4880          LG    .240    .250   5.300    .300  33.000
4881          UC   1.500    .742
4882          UA       0       5      16      30      65      77      84      90      94      97
4883          UA     100

4884          KK  C10-22
4885          KM   SUB-BASIN COMBINE
4886          HC       2     5.7

4887          KK  SD39A
4888          KM   STORM DRAIN DIVERSION
4889          KM   STORM DRAIN ALONG HALF MILE STREET
4890          KM   EXISTING STORM DRAIN ALONG 39TH AVENUE
4891          KM   DIVERSION SOUTH
4892          KM   CAP= 164 CFS SOUTH
4893          DT  SD39AS
4894          DI       0    164.  10164.
4895          DQ       0    164.    164.

4896          KK  D1022E
4897          KM   SUB-BASIN DIVERSION
4898          KM   SUB-BASIN 10-22
4899          KM   59% WEST & 41% EAST
4900          DT  D1022W
4901          DI       0  10000.
```


15714PRINT

```
4902          DQ       0   5900.

4903          KK   CBH35
4904          KM   INTERSECTION COMBINE
4905          KM   BETHANY HOME & 35TH
4906          HC       4     7.1
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

4907          KK   DBH35
4908          KM   STREET INTERSECTION DIVERSION
4909          KM   BETHANY HOME & 35TH
4910          KM   0% West & 100% South
4911          KM   DIVERSION SOUTH
4912          KM   EXISTING STORM DRAIN ALONG 35TH AVENUE
4913          KM   CAP=  55 CFS SOUTH
4914          DT   D35BH
4915          DI       0  10000.
4916          DQ       0  10000.

4917          KK   D43GA
4918          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
4919          KM   43RD & GLENDALE
4920          DR   D43GA

4921          KK   R43F
4922          KM   STREET ROUTE
4923          KM   SOUTH
4924          KM   43TH Avenue
4925          RS       3    FLOW     -1.
4926          RC    0.02   0.016    0.02   2610.  0.0025
4927          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
4928          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

4929          KK  D1022W
4930          KM   RETRIEVAL OF SUB-BASIN DIVERSION
4931          KM   SUB-BASIN 10-22
4932          DR  D1022W

4933          KK   C43D
4934          KM   NORTH/SOUTH STREET COMBINE
4935          KM   43TH AVENUE
4936          HC       2     5.7

4937          KK   S43DS
4938          KM   STREET CAPACITY DIVERSION
4939          KM   43RD AVENUE
4940          KM   DIVERSION TO WEST
4941          KM   EXISTING STORM DRAIN ALONG 43RD AVENUE
4942          KM   CAP= 100 CFS SOUTH
4943          DT   S43DW
4944          DI       0    132.    172.   1379.   2296.
4945          DQ       0     0.1     32.    741.   1279.

4946          KK   R43G
4947          KM   STREET ROUTE
4948          KM   SOUTH
4949          KM   43TH Avenue
4950          RS       3    FLOW     -1.
4951          RC    0.02   0.016    0.02   2620.  0.0031
4952          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
4953          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
```

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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

4954          KK   CBH43
4955          KM   INTERSECTION COMBINE
4956          KM   BETHANY HOME & 43TH
4957          HC       2     5.7

4958          KK   DBH43
4959          KM   STREET INTERSECTION DIVERSION
4960          KM   BETHANY HOME & 43RD
4961          KM   51% West & 49% South
4962          KM   DIVERSION SOUTH
4963          KM   EXISTING STORM DRAIN ALONG 43RD AVENUE
4964          KM   CAP= 100 CFS SOUTH
4965          DT   D43BH
4966          DI       0    100.  10100.
4967          DQ       0    100.   5000.

4968          KK   RBH3
4969          KM   STREET ROUTE
4970          KM   WEST
4971          KM   BETHANY HOME ROAD
4972          RS       4    FLOW     -1.
4973          RC    0.02   0.016    0.02   2610.  0.0015
4974          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
4975          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

4976          KK   SGA3S
4977          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
4978          KM   GLENDALE
4979          DR   SGA3S

4980          KK   R922S
4981          KM   SUB-BASIN STREET ROUTE
4982          KM   SOUTH
4983          KM   RW= 170'
4984          KM   PAV= 113'
4985          RS       6    FLOW     -1.
4986          RC    0.02   0.016    0.02   5230.  0.0028
4987          RX       0     0.1    28.5    38.5   131.5   141.5    170.   170.1
4988          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

4989          KK    9-22
4990          KM   SUB-BASIN 9-22
4991          KM   6-HOUR RAINFALL, PATTERN NO. 1.40 WAS USED TO FIND TC & R FOR THIS BASIN
4992          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .987
4993          KM     L = 1.36  Kb = .069  Adj. Slope =   13.0
4994          BA    .990
4995          LG    .220    .230   6.200    .210  42.000
4996          UC   1.500    .746
4997          UA       0       5      16      30      65      77      84      90      94      97
4998          UA     100
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

4999          KK   S43DW
5000          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
5001          KM   43RD
5002          DR   S43DW

5003          KK   R922W
5004          KM   SUB-BASIN STREET ROUTE
5005          KM   WEST
```


1K/14-PRINT

```
5006        KM   RW= 270'
5007        KM   PAV= 183'
5008        RS       7    FLOW     -1.
5009        RC    0.02   0.016    0.02   5240.  0.0020
5010        RX       0     0.1    43.5    53.5   216.5   226.5    270.   270.1
5011        RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

5012        KK   C9-22
5013        KM   SUB-BASIN COMBINE
5014        HC       3    10.1

5015        KK   D922S
5016        KM   SUB-BASIN DIVERSION
5017        KM   SUB-BASIN 9-22
5018        KM   34% West & 66% South
5019        DT   D922W
5020        DI       0  10000.
5021        DQ       0   3400.

5022        KK   CBH1
5023        KM   EAST/WEST STREET COMBINE
5024        KM   BETHANY HOME
5025        HC       2    10.1

5026        KK   SBH2W
5027        KM   CASE 2
5028        KM   STREET CAPACITY DIVERSION
5029        KM   BETHANY HOME ROAD
5030        KM   DIVERSION TO SOUTH
5031        DT   SBH2S
5032        DI       0     93.    160.   1761.   2958.
5033        DQ       0     62.    115.   1270.   2114.

5034        KK   RBH4
5035        KM   STREET ROUTE
5036        KM   WEST
5037        KM   BETHANY HOME ROAD
5038        RS       4    FLOW     -1.
5039        RC    0.02   0.016    0.02   2590.  0.0015
5040        RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
5041        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
```



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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

5042        KK   D51GA
5043        KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
5044        KM   51ST & GLENDALE
5045        DR   D51GA

5046        KK   R51H
5047        KM   STREET ROUTE
5048        KM   SOUTH
5049        KM   51ST Avenue
5050        RS       2    FLOW     -1.
5051        RC    0.02   0.016    0.02   2600.  0.0042
5052        RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
5053        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

5054        KK   D922W
5055        KM   RETRIEVAL OF SUB-BASIN DIVERSION
5056        KM   SUB-BASIN 9-22
5057        DR   D922W

5058        KK   C51D
```

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5059          KM   NORTH/SOUTH STREET COMBINE
5060          KM   51ST AVENUE
5061          HC       2    10.1

5062          KK   S51ES
5063          KM   STREET CAPACITY DIVERSION
5064          KM   51ST
5065          KM   DIVERSION TO WEST
5066          DT   S51EW
5067          DI       0     44.    134.   1894.   3229.
5068          DQ       0     0.1     71.   1190.   2021.

5069          KK   R51I
5070          KM   STREET ROUTE
5071          KM   SOUTH
5072          KM   51ST Avenue
5073          RS       3    FLOW     -1.
5074          RC    0.02   0.016    0.02   2630.  0.0021
5075          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
5076          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

5077          KK   CBH51
5078          KM   INTERSECTION COMBINE
5079          KM   BETHANY HOME & 51ST
5080          HC       2    10.1

5081          KK   DBH51
5082          KM   STREET INTERSECTION DIVERSION
5083          KM   BETHANY HOME & 51ST
5084          KM   0% West & 100% South
5085          DT   D51BH
5086          DI       0  10000.
5087          DQ       0  10000.
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


5088          KK   S51EW
5089          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
5090          KM   51ST AVENUE
5091          DR   S51EW

5092          KK  R822EW
5093          KM   SUB-BASIN STREET ROUTE
5094          KM   WEST
5095          KM   RW= 170'
5096          KM   PAV= 113'
5097          RS       5    FLOW     -1.
5098          RC    0.02   0.016    0.02   2630.  0.0008
5099          RX       0     0.1    28.5    38.5   131.5   141.5    170.   170.1
5100          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

5101          KK  D822ES
5102          KM   RETRIEVAL OF SUB-BASIN DIVERSION
5103          KM   SUB-BASIN 8-22E
5104          DR  D822ES

5105          KK  C822E1
5106          KM   SUB-BASIN COMBINE
5107          HC       2    14.6

5108          KK   RES8
5109          KM   PONDING AREA RESERVOIR ROUTE
5110          KM   PONDING AREA NORTHEAST OF GRAND AVENUE/RR EMBANKMENT
5111          KM   SUB-BASIN 8-22E
```


KC/4PRINT

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5112          RS       1    ELEV   1148.
5113          SV       0   14.95   50.65   78.30  116.78  220.43
5114          SE   1148.   1149.   1150.  1150.5   1151.   1152.
5115          SQ       0     0.1     0.2    310.   1070.   4090.

5116          KK  R822WW
5117          KM   SUB-BASIN STREET ROUTE
5118          KM   WEST
5119          KM   RW= 110'
5120          KM   PAV= 68'
5121          RS       4    FLOW     -1.
5122          RC    0.02   0.016    0.02   3090.  0.0022
5123          RX       0     0.1    21.0    31.0    79.0    89.0    110.   110.1
5124          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

5125          KK   8-22W
5126          KM   SUB-BASIN 8-22W
5127          KM   6-HOUR RAINFALL, PATTERN NO. 1.00 WAS USED TO FIND TC & R FOR THIS BASIN
5128          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .994
5129          KM     L =  .51  Kb = .039  Adj. Slope =   13.0
5130          BA    .494
5131          LG    .170    .260   5.100    .340  57.000
5132          UC    .538    .162
5133          UA       0       5      16      30      65      77      84      90      94      97
5134          UA     100
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

5135          KK  D822WS
5136          KM   SUB-BASIN DIVERSION
5137          KM   SUB-BASIN 8-22W
5138          KM   21% West & 79% South
5139          DT  D822WW
5140          DI       0  10000.
5141          DQ       0   2100.

5142          KK  C8-22W
5143          KM   SUB-BASIN COMBINE
5144          HC       3    15.1

5145          KK   SBH3W
5146          KM   STREET CAPACITY DIVERSION
5147          KM   BETHANY HOME ROAD
5148          KM   DIVERSION TO SOUTH
5149          DT   SBH3S
5150          DI       0     39.     83.   1068.   1825.
5151          DQ       0     0.1     27.    446.    758.

5152          KK   RBH5
5153          KM   STREET ROUTE
5154          KM   WEST
5155          KM   BETHANY HOME
5156          RS       3    FLOW     -1.
5157          RC    0.02   0.016    0.02   2740.  0.0021
5158          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
5159          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

5160          KK  D822WW
5161          KM   RETRIEVAL OF SUB-BASIN DIVERSION
5162          KM   SUB-BASIN 8-22W
5163          DR  D822WW

5164          KK   S59ES
5165          KM   STREET CAPACITY DIVERSION
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```
5166        KM   59TH AVENUE
5167        KM   DIVERSION TO WEST
5168        DT   S59EW
5169        DI      0     38.     92.   1238.   2113.
5170        DQ      0     0.1     38.    632.   1074.

5171        KK   R59I
5172        KM   STREET ROUTE
5173        KM   SOUTH
5174        KM   59TH Avenue
5175        RS      3    FLOW     -1.
5176        RC   0.02   0.016    0.02   2690.  0.0021
5177        RX   44.9     45.     66.    66.1    134.   134.1    155.   155.1
5178        RY    4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
```



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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

5179        KK   CBH59
5180        KM   INTERSECTION COMBINE
5181        KM   BETHANY HOME & 59TH
5182        HC      2    15.1

5183        KK   DBH59
5184        KM   STREET INTERSECTION DIVERSION
5185        KM   BETHANY HOME & 59TH
5186        KM   44% West & 56% South
5187        DT   D59BH
5188        DI      0  10000.
5189        DQ      0   5600.

5190        KK   RBH6
5191        KM   STREET ROUTE
5192        KM   WEST
5193        KM   BETHANY HOME
5194        RS      3    FLOW     -1.
5195        RC   0.02   0.016    0.02   2690.  0.0032
5196        RX   44.9     45.     66.    66.1    134.   134.1    155.   155.1
5197        RY    4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

5198        KK   SGA5S
5199        KM   RETRIEVAL OF STREET CAPACITY DIVERSION
5200        KM   GLENDALE
5201        DR   SGA5S

5202        KK   R722S
5203        KM   SUB-BASIN STREET ROUTE
5204        KM   SOUTH
5205        KM   RW= 320'
5206        KM   PAV= 218'
5207        RS      7    FLOW     -1.
5208        RC   0.02   0.016    0.02   5240.  0.0022
5209        RX      0     0.1    51.0    61.0   259.0   269.0    320.   320.1
5210        RY    4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

5211        KK   7-22
5212        KM   SUB-BASIN 7-22
5213        KM   6-HOUR RAINFALL, PATTERN NO. 1.38 WAS USED TO FIND TC & R FOR THIS BASIN
5214        KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .987
5215        KM     L = 1.47  Kb = .067  Adj. Slope =   14.0
5216        BA    .970
5217        LG    .220    .260   5.600    .260  39.000
5218        UC   1.500    .804
5219        UA      0       5      16      30      65      77      84      90      94      97
5220        UA    100
```

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5221          KK   S59EW
5222          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
5223          KM   59TH
5224          DR   S59EW
1                                        HEC-1 INPUT                                          PAGE116

LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

5225          KK   R722W
5226          KM   SUB-BASIN STREET ROUTE
5227          KM   WEST
5228          KM   RW= 220'
5229          KM   PAV= 148'
5230          RS       5    FLOW     -1.
5231          RC    0.02   0.016    0.02   5200.  0.0040
5232          RX       0     0.1    36.0    46.0   174.0   184.0    220.   220.1
5233          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

5234          KK   C7-22
5235          KM   SUB-BASIN COMBINE
5236          HC       3    19.3

5237          KK   D722S
5238          KM   SUB-BASIN DIVERSION
5239          KM   SUB-BASIN 7-22
5240          KM   36% West & 64% South
5241          DT   D722W
5242          DI       0  10000.
5243          DQ       0   3600.

5244          KK   CBH2
5245          KM   EAST/WEST STREET COMBINE
5246          KM   BETHANY HOME
5247          HC       2    25.8

5248          KK   SBH4W
5249          KM   STREET CAPACITY DIVERSION
5250          KM   BETHANY HOME
5251          KM   DIVERSION TO SOUTH
5252          DT   SBH4S
5253          DI       0     43.    155.   2245.   3826.
5254          DQ       0     0.1     93.   1561.   2652.

5255          KK   RBH7
5256          KM   STREET ROUTE
5257          KM   WEST
5258          KM   BETHANY HOME
5259          RS       3    FLOW     -1.
5260          RC    0.02   0.016    0.02   2510.  0.0026
5261          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
5262          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

5263          KK   D67GA
5264          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
5265          KM   67TH & GLENDALE
5266          DR   D67GA
1                                        HEC-1 INPUT                                          PAGE117

LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

5267          KK   R67J
5268          KM   STREET ROUTE
5269          KM   SOUTH
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5270          KM   67TH Avenue
5271          RS       2    FLOW     -1.
5272          RC    0.02   0.016    0.02   2660.  0.0064
5273          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
5274          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

5275          KK   D722W
5276          KM   RETRIEVAL OF SUB-BASIN DIVERSION
5277          KM   SUB-BASIN 7-22
5278          DR   D722W

5279          KK   C67E
5280          KM   NORTH/SOUTH STREET COMBINE
5281          KM   67TH AVENUE
5282          HC       2    19.3

5283          KK   S67FS
5284          KM   STREET CAPACITY DIVERSION
5285          KM   67TH
5286          KM   DIVERSION TO WEST
5287          DT   S67FW
5288          DI       0     30.     69.    918.   1567.
5289          DQ       0     0.1     27.    446.    758.

5290          KK   R67K
5291          KM   STREET ROUTE
5292          KM   SOUTH
5293          KM   67TH Avenue
5294          RS       4    FLOW     -1.
5295          RC    0.02   0.016    0.02   2640.  0.0016
5296          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
5297          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

5298          KK   CBH67
5299          KM   INTERSECTION COMBINE
5300          KM   BETHANY HOME & 67TH
5301          HC       2    21.3

5302          KK   DBH67
5303          KM   STREET INTERSECTION DIVERSION
5304          KM   BETHANY HOME & 67TH
5305          KM   35% West & 65% South
5306          DT   D67BH
5307          DI       0  10000.
5308          DQ       0   6500.
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

5309          KK    RBH8
5310          KM   STREET ROUTE
5311          KM   WEST
5312          KM   BETHANY HOME
5313          RS       3    FLOW     -1.
5314          RC    0.02   0.016    0.02   2650.  0.0037
5315          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
5316          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

5317          KK   SGA6S
5318          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
5319          KM   GLENDALE AVENUE
5320          DR   SGA6S

5321          KK  R1221S
5322          KM   SUB-BASIN STREET ROUTE
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```
5323          KM   SOUTH
5324          KM   RW= 70'
5325          KM   PAV= 43'
5326          RS      8    FLOW     -1.
5327          RC    0.02   0.016    0.02   5220.  0.0015
5328          RX       0     0.1    13.5    23.5    46.5    56.5     70.    70.1
5329          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

5330          KK   12-21
5331          KM   SUB-BASIN 12-21
5332          KM   6-HOUR RAINFALL, PATTERN NO. 1.40 WAS USED TO FIND TC & R FOR THIS BASIN
5333          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .987
5334          KM     L = 1.29  Kb = .074  Adj. Slope =   16.0
5335          BA   1.004
5336          LG    .370    .150   9.700    .070  17.000
5337          UC   1.500    .710
5338          UA       0       5      16      30      65      77      84      90      94      97
5339          UA     100

5340          KK   RET12
5341          KM   RETENTION BASIN DIVERSION
5342          KM   SUB-BASIN 12-21
5343          KM    6% OF SUB-BASIN DRAINS TO RETENTION BASIN
5344          DT  D1221R    4.18
5345          DI       0  10000.
5346          DQ       0    600.

5347          KK   S67FW
5348          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
5349          KM   67TH
5350          DR   S67FW

5351          KK  R1221W
5352          KM   SUB-BASIN STREET ROUTE
5353          KM   WEST
5354          KM   RW= 120'
5355          KM   PAV= 78'
5356          RS       3    FLOW     -1.
```



```
LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

5357          RC    0.02   0.016    0.02   5330.  0.0036
5358          RX       0     0.1    21.0    31.0    89.0    99.0    120.   120.1
5359          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

5360          KK  C12-21
5361          KM   SUB-BASIN COMBINE
5362          HC       3  31.347

5363          KK  D1221S
5364          KM   SUB-BASIN DIVERSION
5365          KM   SUB-BASIN 12-21
5366          KM   38% West & 62% South
5367          DT  D1221W
5368          DI       0  10000.
5369          DQ       0   3800.

5370          KK    CBH3
5371          KM   EAST/WEST STREET COMBINE
5372          KM   BETHANY HOME
5373          HC       2  31.347

5374          KK   SBH5W
5375          KM   STREET CAPACITY DIVERSION
5376          KM   BETHANY HOME
```


K/14PRINT

```
5377          KM   DIVERSION TO SOUTH
5378          DT   SBH5S
5379          DI       0     37.     73.   1221.   2087.
5380          DQ       0     0.1     27.    446.    758.

5381          KK    RBH9
5382          KM   STREET ROUTE
5383          KM   WEST
5384          KM   BETHANY HOME
5385          RS       3    FLOW     -1.
5386          RC    0.02   0.016    0.02   2680.  0.0039
5387          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
5388          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

5389          KK   D75GA
5390          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
5391          KM   75TH & GLENDALE
5392          DR   D75GA

5393          KK    R75K
5394          KM   STREET ROUTE
5395          KM   SOUTH
5396          KM   75TH Avenue
5397          RS       3    FLOW     -1.
5398          RC    0.02   0.016    0.02   2620.  0.0021
5399          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
5400          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
1                                          HEC-1 INPUT                                                    PAGE120

LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


5401          KK  D1221W
5402          KM   RETRIEVAL OF SUB-BASIN DIVERSION
5403          KM   SUB-BASIN 12-21
5404          DR  D1221W

5405          KK    C75E
5406          KM   NORTH/SOUTH STREET COMBINE
5407          KM   75TH AVENUE
5408          HC       2  31.347

5409          KK   S75GS
5410          KM   STREET CAPACITY DIVERSION
5411          KM   75TH
5412          KM   DIVERSION TO WEST
5413          DT   S75GW
5414          DI       0     35.     66.    821.   1404.
5415          DQ       0     0.1     16.    260.    442.

5416          KK    R75L
5417          KM   STREET ROUTE
5418          KM   SOUTH
5419          KM   75TH Avenue
5420          RS       4    FLOW     -1.
5421          RC    0.02   0.016    0.02   2640.  0.0019
5422          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
5423          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

5424          KK   CBH75
5425          KM   INTERSECTION COMBINE
5426          KM   BETHANY HOME & 75TH
5427          HC       2  31.347

5428          KK   DBH75
5429          KM   STREET INTERSECTION DIVERSION
```


1C/14PRINT

```
5430          KM   BETHANY HOME & 75TH
5431          KM   69% West & 31% South
5432          DT   D75BH
5433          DI       0  10000.
5434          DQ       0   3100.

5435          KK   RBH10
5436          KM   STREET ROUTE
5437          KM   WEST
5438          KM   BETHANY HOME
5439          RS       3    FLOW     -1.
5440          RC    0.02   0.016    0.02   2590.  0.0035
5441          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
5442          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
1                                          HEC-1 INPUT                                                    PAGE121

LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


5443          KK   SGA7S
5444          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
5445          KM   GLENDALE
5446          DR   SGA7S

5447          KK  R1121S
5448          KM   SUB-BASIN STREET ROUTE
5449          KM   SOUTH
5450          KM   RW= 70'
5451          KM   PAV= 43'
5452          RS       7    FLOW     -1.
5453          RC    0.02   0.016    0.02   5960.  0.0024
5454          RX       0     0.1    13.5    23.5    46.5    56.5     70.    70.1
5455          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

5456          KK   11-21
5457          KM   SUB-BASIN 11-21
5458          KM   6-HOUR RAINFALL, PATTERN NO. 1.39 WAS USED TO FIND TC & R FOR THIS BASIN
5459          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .987
5460          KM     L = 1.25  Kb = .079  Adj. Slope =   17.0
5461          BA    .985
5462          LG    .400    .150   7.600    .140  12.000
5463          UC   1.500    .700
5464          UA       0       5      16      30      65      77      84      90      94      97
5465          UA     100

5466          KK   RET11
5467          KM   RETENTION BASIN DIVERSION
5468          KM   SUB-BASIN 11-21
5469          KM   24% OF SUB-BASIN DRAINS TO RETENTION BASIN
5470          DT  D1121R   13.13
5471          DI       0  10000.
5472          DQ       0   2400.

5473          KK   S75GW
5474          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
5475          KM   75TH
5476          DR   S75GW

5477          KK  R1121W
5478          KM   SUB-BASIN STREET ROUTE
5479          KM   WEST
5480          KM   RW= 50'
5481          KM   PAV= 35'
5482          RS       5    FLOW     -1.
5483          RC    0.02   0.016    0.02   5240.  0.0035
5484          RX       0     0.1     7.5    27.5    32.5    42.5     50.    50.1
```

```
5485        RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0
1                                          HEC-1 INPUT                                                    PAGE122

LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


5486        KK  C11-21
5487        KM   SUB-BASIN COMBINE
5488        HC       3  34.871

5489        KK  D1121S
5490        KM   SUB-BASIN DIVERSION
5491        KM   SUB-BASIN 11-21
5492        KM   30% West & 70% South
5493        DT  D1121W
5494        DI       0  10000.
5495        DQ       0   3000.

5496        KK    CBH4
5497        KM   EAST/WEST STREET COMBINE
5498        KM   BETHANY HOME
5499        HC       2  34.871

5500        KK   SBH6W
5501        KM   STREET CAPACITY DIVERSION
5502        KM   BETHANY HOME
5503        KM   DIVERSION TO SOUTH
5504        DT   SBH6S
5505        DI       0     36.     56.    927.   1588.
5506        DQ       0     0.1     11.    186.    316.

5507        KK   RBH11
5508        KM   STREET ROUTE
5509        KM   WEST
5510        KM   BETHANY HOME
5511        RS       3    FLOW     -1.
5512        RC    0.02   0.016    0.02   2620.  0.0034
5513        RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
5514        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

5515        KK   D83GA
5516        KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
5517        KM   83RD & GLENDALE
5518        DR   D83GA

5519        KK    R83J
5520        KM   STREET ROUTE
5521        KM   SOUTH
5522        KM   83RD Avenue
5523        RS       3    FLOW     -1.
5524        RC    0.02   0.016    0.02   2590.  0.0025
5525        RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
5526        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

5527        KK  D1121W
5528        KM   RETRIEVAL OF SUB-BASIN DIVERSION
5529        KM   SUB-BASIN 11-21
5530        DR  D1121W
1                                          HEC-1 INPUT                                                    PAGE123

LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


5531        KK    C83E
5532        KM   NORTH/SOUTH STREET COMBINE
5533        KM   83RD AVENUE
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5534        HC      2  34.871

5535        KK   S83FS
5536        KM   STREET CAPACITY DIVERSION
5537        KM   83RD
5538        KM   DIVERSION TO WEST
5539        DT   S83FW
5540        DI      0     28.     50.    834.   1426.
5541        DQ      0     0.1     16.    260.    442.

5542        KK    R83K
5543        KM   STREET ROUTE
5544        KM   SOUTH
5545        KM   83RD Avenue
5546        RS      4    FLOW     -1.
5547        RC   0.02   0.016    0.02   2580.  0.0018
5548        RX   44.9     45.     66.    66.1    134.   134.1    155.   155.1
5549        RY    4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

5550        KK   CBH83
5551        KM   INTERSECTION COMBINE
5552        KM   BETHANY HOME & 83RD
5553        HC      2  34.871

5554        KK   DBH83
5555        KM   BETHANY HOME RD. TERMINATES AT 83RD AVENUE
5556        KM   FLOW DIVERSION BASED ON TOPO AND COMPUTED RATING DATA
5557        KM   SEE APPENDIX G FOR COMPUTATIONS
5558        KM   STREET INTERSECTION DIVERSION - SPECIAL CASE
5559        KM   BETHANY HOME & 83RD
5560        DT   D83BH
5561        DI      0    243.    859.   1844.
5562        DQ      0    115.    324.    595.

5563        KK   RBH12
5564        KM   STREET ROUTE
5565        KM   WEST
5566        KM   BETHANY HOME
5567        RS      5    FLOW     -1.
5568        RC   0.02   0.016    0.02   5222.  0.0031
5569        RX   44.9     45.     66.    66.1    134.   134.1    155.   155.1
5570        RY    4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

5571        KK   SGA8S
5572        KM   RETRIEVAL OF STREET CAPACITY DIVERSION
5573        KM   GLENDALE
5574        DR   SGA8S
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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

5575        KK  R1021S
5576        KM   SUB-BASIN STREET ROUTE
5577        KM   SOUTH
5578        KM   RW= 50'
5579        KM   PAV= 35'
5580        RS      5    FLOW     -1.
5581        RC   0.02   0.016    0.02   5140.  0.0035
5582        RX      0     0.1     7.5    17.5    32.5    42.5     50.    50.1
5583        RY    4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

5584        KK   10-21
5585        KM   SUB-BASIN 10-21
5586        KM   6-HOUR RAINFALL, PATTERN NO. 1.39 WAS USED TO FIND TC & R FOR THIS BASIN
5587        KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .987
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5588    KM    L = 1.42  Kb = .061  Adj. Slope =   17.0
5589    BA   .979
5590    LG   .330    .210   7.600    .120   7.000
5591    UC  1.500    .778
5592    UA      0       5      16      30      65      77      84      90      94      97
5593    UA    100

5594    KK   RET10
5595    KM   RETENTION BASIN DIVERSION
5596    KM   SUB-BASIN 10-21
5597    KM   29% OF SUB-BASIN DRAINS TO RETENTION BASIN
5598    DT  D1021R   14.77
5599    DI      0  10000.
5600    DQ      0   2900.

5601    KK   S83FW
5602    KM   RETRIEVAL OF STREET CAPACITY DIVERSION
5603    KM   83RD AVENUE
5604    DR   S83FW

5605    KK  R1021W
5606    KM   SUB-BASIN STREET ROUTE
5607    KM   WEST
5608    KM   RW= 120'
5609    KM   PAV=  78'
5610    RS      5    FLOW     -1.
5611    RC   0.02   0.016    0.02   5260.  0.0032
5612    RX      0     0.1    21.0    31.0    89.0    99.0    120.   120.1
5613    RY    4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

5614    KK  C10-21
5615    KM   SUB-BASIN COMBINE
5616    HC      3  43.317

5617    KK  D1021S
5618    KM   SUB-BASIN DIVERSION
5619    KM   SUB-BASIN 10-21
5620    KM   43% West & 57% South
5621    DT  D1021W
5622    DI      0  10000.
```



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LINE    ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

5623    DQ      0   4300.

5624    KK   D91GA
5625    KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
5626    KM   91ST & GLENDALE
5627    DR   D91GA

5628    KK    R91G
5629    KM   STREET ROUTE
5630    KM   SOUTH
5631    KM   91ST Avenue
5632    RS      3    FLOW     -1.
5633    RC   0.02   0.016    0.02   2600.  0.0024
5634    RX   44.9     45.     66.    66.1    134.   134.1    155.   155.1
5635    RY    4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

5636    KK  D1021W
5637    KM   RETRIEVAL OF SUB-BASIN DIVERSION
5638    KM   SUB-BASIN 10-21
5639    DR  D1021W

5640    KK    C91D
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5641          KM   NORTH/SOUTH STREET COMBINE
5642          KM   91ST AVENUE
5643          HC       2  43.317

5644          KK   S91DS
5645          KM   STREET CAPACITY DIVERSION
5646          KM   91ST AVENUE
5647          KM   DIVERSION TO WEST
5648          DT   S91DW
5649          DI       0     12.     26.    435.    743.
5650          DQ       0    0.1     11.    186.    316.

5651          KK    R91H
5652          KM   STREET ROUTE
5653          KM   SOUTH
5654          KM   91ST Avenue
5655          RS       4    FLOW     -1.
5656          RC    0.02   0.016    0.02   2580.  0.0015
5657          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
5658          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

5659          KK    CBH5
5660          KM   EAST/WEST STREET COMBINE
5661          KM   BETHANY HOME
5662          HC       3  43.317

5663          KK   RES10
5664          KM   PONDING AREA RESERVOIR ROUTE
5665          KM   RETENTION BASIN NORTH OF GRAND CANAL EMBANKMENT
5666          KM   SQ DATA INCLUDES FLOW SOUTH OVER CANAL AND FLOW WEST OVER 91ST AVE
5667          KM   SUB-BASIN 10-21
5668          RS       1    ELEV   1064.
5669          SV       0    16.7    40.1    55.3    71.6
1                                           HEC-1 INPUT                                          PAGE126

LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

5670          SE   1064.   1066.   1068.   1069.   1070.
5671          SQ       0     0.1     0.2   1377.   5008.

5672          KK   SBH7W
5673          KM   DIVERSION
5674          KM   BETHANY HOME ALIGNMENT/GRAND CANAL
5675          KM   RETENTION BASIN NORTH OF GRAND CANAL EMBANKMENT
5676          KM   FLOW SOUTH OVER CANAL AND FLOW WEST OVER 91ST AVE
5677          KM   DIVERSION TO SOUTH
5678          DT   SBH7S
5679          DI       0   1377.   5008.
5680          DQ       0    432.   2336.

5681          KK   DBH91
5682          KM   STREET INTERSECTION DIVERSION
5683          KM   BETHANY HOME & 91ST
5684          KM   100% West & 00% South
5685          DT   D91BH
5686          DI       0  10000.
5687          DQ       0     0.0

5688          KK   RBH13
5689          KM   STREET ROUTE
5690          KM   WEST
5691          KM   BETHANY HOME
5692          RS       6    FLOW     -1.
5693          RC    0.02   0.016    0.02   5290.  0.0023
5694          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
5695          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
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5696          KK   SGA9S
5697          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
5698          KM   GLENDALE
5699          DR   SGA9S

5700          KK   R921S
5701          KM   SUB-BASIN STREET ROUTE
5702          KM   SOUTH
5703          KM   RW= 50'
5704          KM   PAV= 35'
5705          RS      8    FLOW     -1.
5706          RC   0.02   0.016    0.02   5160.  0.0014
5707          RX      0     0.1     7.5    17.5    31.5    42.5     50.    50.1
5708          RY    4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

5709          KK    9-21
5710          KM   SUB-BASIN 9-21
5711          KM   6-HOUR RAINFALL, PATTERN NO. 1.38 WAS USED TO FIND TC & R FOR THIS BASIN
5712          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .987
5713          KM     L = 1.30  Kb = .080  Adj. Slope =   12.0
5714          BA    .967
5715          LG    .500    .150   7.000    .180    .000
5716          UC   1.500    .730
5717          UA      0       5      16      30      65      77      84      90      94      97
5718          UA    100
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

5719          KK   S91DW
5720          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
5721          KM   91ST
5722          DR   S91DW

5723          KK   R921W
5724          KM   SUB-BASIN STREET ROUTE
5725          KM   WEST
5726          KM   RW= 70'
5727          KM   PAV= 43'
5728          RS      6    FLOW     -1.
5729          RC   0.02   0.016    0.02   5280.  0.0024
5730          RX      0     0.1    13.5    23.5    46.5    56.5     70.    70.1
5731          RY    4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

5732          KK   C9-21
5733          KM   SUB-BASIN COMBINE
5734          HC      3  45.158

5735          KK   D921S
5736          KM   SUB-BASIN DIVERSION
5737          KM   SUB-BASIN 9-21
5738          KM   39% West & 61% South
5739          DT   D921W
5740          DI      0  10000.
5741          DQ      0   3900.

5742          KK   D99GA
5743          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
5744          KM   99TH & GLENDALE
5745          DR   D99GA

5746          KK    R99B
5747          KM   STREET ROUTE
5748          KM   SOUTH
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5749          KM   99TH Avenue
5750          RS       3    FLOW     -1.
5751          RC    0.02   0.016    0.02   2580.  0.0030
5752          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
5753          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

5754          KK   D921W
5755          KM   RETRIEVAL OF SUB-BASIN DIVERSION
5756          KM   SUB-BASIN 9-21
5757          DR   D921W

5758          KK    C99A
5759          KM   NORTH/SOUTH STREET COMBINE
5760          KM   99TH AVENUE
5761          HC       2  45.158
1                                        HEC-1 INPUT                                                    PAGE128

LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


5762          KK   S99AS
5763          KM   STREET CAPACITY DIVERSION
5764          KM   99TH AVENUE
5765          KM   DIVERSION TO WEST
5766          KM   SPECIAL CASE 100% FLOW WEST
5767          DT   S99AW
5768          DI       0  10000.
5769          DQ       0  10000.

5770          KK    R99C
5771          KM   STREET ROUTE
5772          KM   SOUTH
5773          KM   99TH Avenue
5774          RS       3    FLOW     -1.
5775          RC    0.02   0.016    0.02   2220.  0.0014
5776          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
5777          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

5778          KK    CBH6
5779          KM   EAST/WEST STREET COMBINE
5780          KM   BETHANY HOME
5781          HC       3  45.158

5782          KK    RES9
5783          KM   PONDING AREA RESERVOIR ROUTE
5784          KM   PONDING AREA NORTH OF GRAND CANAL
5785          KM   SQ DATA INCLUDES FLOW SOUTH OVER CANAL AND FLOW WEST OVER 99TH AVE
5786          KM   SUB-BASIN 9-21
5787          RS       1    ELEV   1056.
5788          SV       0    16.5    38.3    75.5   140.4
5789          SE   1056.   1058.   1059.   1060.   1061.
5790          SQ      0.     0.1   1755.   6437.  16856.

5791          KK   SBH8W
5792          KM   DIVERSION
5793          KM   BETHANY HOME ALIGNMENT/GRAND CANAL
5794          KM   RETENTION BASIN NORTH OF GRAND CANAL EMBANKMENT
5795          KM   FLOW SOUTH OVER CANAL AND FLOW WEST OVER 99TH AVE
5796          KM   DIVERSION TO SOUTH
5797          DT   SBH8S
5798          DI       0   1755.   6437.  16856.
5799          DQ       0     0.1     0.2   2592.

5800          KK   DBH99
5801          KM   STREET INTERSECTION DIVERSION
5802          KM   BETHANY HOME & 99TH
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5803          KM   100% West & 00% South
5804          DT   D99BH
5805          DI       0  10000.
5806          DQ       0    0.0
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

5807          KK   RBH14
5808          KM   STREET ROUTE
5809          KM   WEST
5810          KM   BETHANY HOME
5811          RS       4    FLOW     -1.
5812          RC    0.02   0.016    0.02   2270.  0.0009
5813          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
5814          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

5815          KK   8-21E
5816          KM   SUB-BASIN 8-21E
5817          KM   6-HOUR RAINFALL, PATTERN NO. 1.01 WAS USED TO FIND TC & R FOR THIS BASIN
5818          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .993
5819          KM     L =  .96  Kb = .085  Adj. Slope =   14.0
5820          BA    .508
5821          LG    .480    .230   6.200    .250   2.000
5822          UC   1.500    .826
5823          UA       0       5      16      30      65      77      84      90      94      97
5824          UA     100

5825          KK   S99AW
5826          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
5827          KM   99TH AVENUE
5828          DR   S99AW

5829          KK  R821EW
5830          KM   SUB-BASIN STREET ROUTE
5831          KM   WEST
5832          KM   RW= 70'
5833          KM   PAV= 43'
5834          RS       4    FLOW     -1.
5835          RC    0.02   0.016    0.02   3300.  0.0024
5836          RX       0     0.1    13.5    23.5    46.5    56.5     70.    70.1
5837          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

5838          KK  C8-21E
5839          KM   SUB-BASIN COMBINE
5840          HC       2  46.012

5841          KK  D821ES
5842          KM   SUB-BASIN DIVERSION
5843          KM   SUB-BASIN 8-21E
5844          KM   56% West & 44% South
5845          DT  D821EW
5846          DI       0  10000.
5847          DQ       0   5600.

5848          KK    CBH7
5849          KM   EAST/WEST STREET COMBINE
5850          HC       2  46.012
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

5851          KK   RES8S
5852          KM   PONDING AREA RESERVOIR ROUTE
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5853          KM   PONDING AREA EAST OF GRAND CANAL
5854          KM   SUB-BASIN 8-21E
5855          RS       1    ELEV   1052.
5856          SV       0    18.0    44.7    89.0
5857          SE   1052.   1054.   1055.   1056.
5858          SQ      0.     0.1     0.2   2160.

5859          KK   8-21W
5860          KM   SUB-BASIN 8-21W
5861          KM   6-HOUR RAINFALL, PATTERN NO. 1.00 WAS USED TO FIND TC & R FOR THIS BASIN
5862          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .996
5863          KM     L =  .70  Kb = .081  Adj. Slope =   16.0
5864          BA    .274
5865          LG    .430    .230   6.200    .240   8.000
5866          UC   1.404    .848
5867          UA       0       5      16      30      65      77      84      90      94      97
5868          UA     100

5869          KK  C8-21W
5870          KM   SUB-BASIN COMBINE
5871          HC       2  46.290

5872          KK  D821EW
5873          KM   RETRIEVAL OF SUB-BASIN DIVERSION
5874          KM   SUB-BASIN 8-21E
5875          DR  D821EW

5876          KK   RES8N
5877          KM   PONDING AREA RESERVOIR ROUTE
5878          KM   PONDING AREA NORTHEAST OF GRAND CANAL
5879          KM   SUB-BASIN 8-21E
5880          RS       1    ELEV   1050.
5881          SV       0    15.0    34.7    63.8   107.6
5882          SE   1050.   1052.   1053.   1054.   1055.
5883          SQ      0.     0.1     0.2   4536.  13441.
              *

5884          KK   NULL5
5885          KM   NULL COMBINE @ BETHANY HOME C.P.
5886          HC       3      1.
              *
              * CAMELBACK COMPUTATION PATH
              *

5887          KK   D27BH
5888          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
5889          KM   27TH & BETHANY HOME
5890          DR   D27BH
1                                        HEC-1 INPUT                                        PAGE131

LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

5891          KK   R27D
5892          KM   STREET ROUTE
5893          KM   SOUTH
5894          KM   27TH Avenue
5895          RS       5    FLOW     -1.
5896          RC    0.02   0.016    0.02   5280.  0.0035
5897          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
5898          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

5899          KK   13-22
5900          KM   SUB-BASIN 13-22
5901          KM   6-HOUR RAINFALL, PATTERN NO. 1.00 WAS USED TO FIND TC & R FOR THIS BASIN
5902          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .997
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5903          KM     L = 1.00  Kb = .061  Adj. Slope =   18.0
5904          BA    .246
5905          LG    .180    .250   5.100    .340  56.000
5906          UC   1.042    .861
5907          UA       0       5      16      30      65      77      84      90      94      97
5908          UA     100

5909          KK   14-22
5910          KM   SUB-BASIN 14-22
5911          KM   6-HOUR RAINFALL, PATTERN NO. 1.40 WAS USED TO FIND TC & R FOR THIS BASIN
5912          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .987
5913          KM     L = 1.32  Kb = .073  Adj. Slope =   13.0
5914          BA   1.000
5915          LG    .240    .250   5.000    .350  36.000
5916          UC   1.500    .725
5917          UA       0       5      16      30      65      77      84      90      94      97
5918          UA     100

5919          KK  SD31AS
5920          KM   RETRIEVAL OF STORM DRAIN DIVERSION
5921          KM   EXISTING STORM DRAIN ALONG 31ST AVENUE
5922          KM   CAP= 147 CFS SOUTH
5923          DR  SD31AS

5924          KK  CSD31B
5925          KM   SUB-BASIN COMBINE FOR STORM DRAIN DIVERSION
5926          HC       2

5927          KK  SD31B
5928          KM   STORM DRAIN DIVERSION
5929          KM   STORM DRAIN ALONG HALF MILE STREET
5930          KM   EXISTING STORM DRAIN ALONG 31ST AVENUE
5931          KM   DIVERSION SOUTH
5932          KM   CAP= 150 CFS SOUTH
5933          DT  SD31BS
5934          DI       0    150.  10150.
5935          DQ       0    150.    150.
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

5936          KK  D1422E
5937          KM   SUB-BASIN DIVERSION
5938          KM   SUB-BASIN 14-22
5939          KM   48% WEST & 52% EAST
5940          DT  D1422W
5941          DI       0  10000.
5942          DQ       0   4800.

5943          KK   CCB27
5944          KM   INTERSECTION COMBINE
5945          KM   CAMELBACK & 27TH
5946          HC       3   5.038

5947          KK   DCB27
5948          KM   STREET INTERSECTION DIVERSION
5949          KM   CAMELBACK & 27TH
5950          KM   0% West & 100% South
5951          KM   DIVERSION SOUTH
5952          KM   EXISTING STORM DRAIN ALONG 27TH AVENUE
5953          KM   CAP= 152 CFS SOUTH
5954          DT   D27CB
5955          DI       0  10000.
5956          DQ       0  10000.
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K/14PRINT

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5957          KK   D35BH
5958          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
5959          KM   35TH & BETHANY HOME
5960          DR   D35BH

5961          KK   R35G
5962          KM   STREET ROUTE
5963          KM   SOUTH
5964          KM   35TH Avenue
5965          RS       5    FLOW     -1.
5966          RC    0.02   0.016    0.02   5260.  0.0042
5967          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
5968          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

5969          KK  D1422W
5970          KM   RETRIEVAL OF SUB-BASIN DIVERSION
5971          KM   SUB-BASIN 14-22
5972          DR  D1422W

5973          KK   15-22
5974          KM   SUB-BASIN 15-22
5975          KM   6-HOUR RAINFALL, PATTERN NO. 1.40 WAS USED TO FIND TC & R FOR THIS BASIN
5976          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .987
5977          KM     L = 1.54  Kb = .072  Adj. Slope =   15.0
5978          BA    .998
5979          LG    .240    .260   4.800    .350  34.000
5980          UC   1.500    .821
5981          UA       0       5      16      30      65      77      84      90      94      97
5982          UA     100
1                                          HEC-1 INPUT                                          PAGE133

LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


5983          KK  SD39AS
5984          KM   RETRIEVAL OF STORM DRAIN DIVERSION
5985          KM   EXISTING STORM DRAIN ALONG 39TH AVENUE
5986          KM   CAP= 164 CFS SOUTH
5987          DR  SD39AS

5988          KK  CSD39B
5989          KM   SUB-BASIN COMBINE FOR STORM DRAIN DIVERSION
5990          HC       2

5991          KK  SD39B
5992          KM   STORM DRAIN DIVERSION
5993          KM   STORM DRAIN ALONG HALF MILE STREET
5994          KM   EXISTING STORM DRAIN ALONG 39TH AVENUE
5995          KM   DIVERSION SOUTH
5996          KM   CAP= 268 CFS SOUTH
5997          DT  SD39BS
5998          DI       0    268.  10268.
5999          DQ       0    268.    268.

6000          KK  D1522E
6001          KM   SUB-BASIN DIVERSION
6002          KM   SUB-BASIN 15-22
6003          KM   49% WEST & 51% EAST
6004          DT  D1522W
6005          DI       0  10000.
6006          DQ       0   4900.

6007          KK   CCB35
6008          KM   INTERSECTION COMBINE
6009          KM   CAMELBACK & 35TH
6010          HC       4   9.140
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6011        KK   DCB35
6012        KM   STREET INTERSECTION DIVERSION
6013        KM   CAMELBACK & 35TH
6014        KM   0% West & 100% South
6015        KM   DIVERSION SOUTH
6016        KM   EXISTING STORM DRAIN ALONG 35TH AVENUE
6017        KM   CAP=  86 CFS SOUTH
6018        DT   D35CB
6019        DI       0  10000.
6020        DQ       0  10000.

6021        KK   D43BH
6022        KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
6023        KM   43RD & BETHANY HOME
6024        DR   D43BH
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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

6025        KK   R43H
6026        KM   STREET ROUTE
6027        KM   SOUTH
6028        KM   43RD Avenue
6029        RS       3    FLOW     -1.
6030        RC    0.02   0.016    0.02   2620.  0.0037
6031        RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
6032        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

6033        KK  D1522W
6034        KM   RETRIEVAL OF SUB-BASIN DIVERSION
6035        KM   SUB-BASIN 15-22
6036        DR  D1522W

6037        KK   C43E
6038        KM   NORTH/SOUTH STREET COMBINE
6039        KM   43RD AVENUE
6040        HC       2   6.671

6041        KK   S43ES
6042        KM   STREET CAPACITY DIVERSION
6043        KM   43RD AVENUE
6044        KM   DIVERSION TO WEST
6045        KM   EXISTING STORM DRAIN ALONG 43RD AVENUE
6046        KM   CAP= 165 CFS SOUTH
6047        DT   S43EW
6048        DI       0    200.    233.   1311.   2131.
6049        DQ       0     0.1     24.    565.    975.

6050        KK   R43I
6051        KM   STREET ROUTE
6052        KM   SOUTH
6053        KM   43RD Avenue
6054        RS       3    FLOW     -1.
6055        RC    0.02   0.016    0.02   2600.  0.0028
6056        RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
6057        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

6058        KK   D51BH
6059        KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
6060        KM   51ST & BETHANY HOME
6061        DR   D51BH

6062        KK   RGR4
6063        KM   STREET ROUTE
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6064        KM   SOUTHEAST
6065        KM   GRAND AVENUE
6066        KM   RW=  93'
6067        KM   PAV=  88'
6068        RS       7    FLOW     -1.
6069        RC    0.02   0.016    0.02   3690.  0.0010
6070        RX       0     0.1     2.5    12.5    80.5    90.5     93.    93.1
6071        RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0
1                                          HEC-1 INPUT                                                    PAGE135

LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


6072        KK   SBH2S
6073        KM   RETRIEVAL OF STREET CAPACITY DIVERSION
6074        KM   BETHANY HOME
6075        DR   SBH2S

6076        KK  R1622S
6077        KM   SUB-BASIN STREET ROUTE
6078        KM   SOUTH
6079        KM   RW= 120'
6080        KM   PAV= 78'
6081        RS       3    FLOW     -1.
6082        RC    0.02   0.016    0.02   2650.  0.0031
6083        RX       0     0.1    21.0    31.0    89.0    99.0    120.   120.1
6084        RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

6085        KK  16-22E
6086        KM   SUB-BASIN 16-22E
6087        KM   6-HOUR RAINFALL, PATTERN NO. 1.01 WAS USED TO FIND TC & R FOR THIS BASIN
6088        KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .993
6089        KM     L = 1.14  Kb = .065  Adj. Slope =   12.0
6090        BA    .513
6091        LG    .210    .260   4.900    .340  42.000
6092        UC   1.500    .943
6093        UA       0       5      16      30      65      77      84      90      94      97
6094        UA     100

6095        KK   S43EW
6096        KM   RETRIEVAL OF STREET CAPACITY DIVERSION
6097        KM   43RD AVENUE
6098        DR   S43EW

6099        KK  R1622W
6100        KM   SUB-BASIN STREET ROUTE
6101        KM   WEST
6102        KM   RW= 120'
6103        KM   PAV= 78'
6104        RS       4    FLOW     -1.
6105        RC    0.02   0.016    0.02   2550.  0.0012
6106        RX       0     0.1    21.0    31.0    89.0    99.0    120.   120.1
6107        RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

6108        KK  C1622E
6109        KM   SUB-BASIN COMBINE
6110        HC       4    11.6

6111        KK   RGR5
6112        KM   STREET ROUTE
6113        KM   SOUTHEAST
6114        KM   GRAND AVENUE
6115        KM   RW=  93'
6116        KM   PAV=  88'
6117        RS       5    FLOW     -1.
6118        RC    0.02   0.016    0.02   3620.  0.0016
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6119        RX      0     0.1     2.5    12.5    80.5    90.5     93.    93.1
1                                        HEC-1 INPUT                                                    PAGE136

LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

6120        RY    4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

6121        KK   CCB43
6122        KM   INTERSECTION COMBINE
6123        KM   CAMELBACK & 43RD
6124        HC       3    11.6

6125        KK   DCB43
6126        KM   STREET INTERSECTION DIVERSION
6127        KM   CAMELBACK & 43RD
6128        KM   0% West & 100% South
6129        KM   DIVERSION SOUTH
6130        KM   EXISTING STORM DRAIN ALONG 43RD AVENUE
6131        KM   CAP= 100 CFS SOUTH
6132        DT   D43CB
6133        DI       0  10000.
6134        DQ       0  10000.

6135        KK  16-22W
6136        KM   SUB-BASIN 16-22W
6137        KM   6-HOUR RAINFALL, PATTERN NO. 1.00 WAS USED TO FIND TC & R FOR THIS BASIN
6138        KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .994
6139        KM     L =  .83  Kb = .024  Adj. Slope =   14.0
6140        BA    .479
6141        LG    .150    .250   5.000    .360  55.000
6142        UC    .517    .233
6143        UA       0       5      16      30      65      77      84      90      94      97
6144        UA     100

6145        KK  D1622S
6146        KM   SUB-BASIN DIVERSION
6147        KM   SUB-BASIN 16-22W
6148        KM   71% West & 29% South
6149        DT  D1622W
6150        DI       0  10000.
6151        DQ       0   7100.

6152        KK   CCB1
6153        KM   EAST/WEST STREET COMBINE
6154        KM   CAMELBACK
6155        HC       2    12.0

6156        KK   SCB1W
6157        KM   STREET CAPACITY DIVERSION
6158        KM   CAMELBACK
6159        KM   DIVERSION TO SOUTH
6160        DT   SCB1S
6161        DI       0     20.     43.    759.   1303.
6162        DQ       0     0.1     18.    424.    731.
1                                        HEC-1 INPUT                                                    PAGE137

LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


6163        KK   RCB1
6164        KM   STREET ROUTE
6165        KM   WEST
6166        KM   CAMELBACK
6167        RS       7    FLOW     -1.
6168        RC    0.02   0.016    0.02   3540.  0.0010
6169        RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
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6170          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

6171          KK  D1622W
6172          KM   RETRIEVAL OF SUB-BASIN DIVERSION
6173          KM   SUB-BASIN 16-22W
6174          DR  D1622W

6175          KK   S51FS
6176          KM   STREET CAPACITY DIVERSION
6177          KM   51ST AVENUE
6178          KM   DIVERSION TO WEST
6179          DT   S51FW
6180          DI       0     44.    100.   1329.   2268.
6181          DQ       0     0.1     38.    632.   1074.

6182          KK   R51J
6183          KM   STREET ROUTE
6184          KM   SOUTH
6185          KM   51ST Avenue
6186          RS       3    FLOW     -1.
6187          RC    0.02   0.016    0.02   2680.  0.0025
6188          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
6189          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

6190          KK   CCB51
6191          KM   INTERSECTION COMBINE
6192          KM   CAMELBACK & 51ST
6193          HC       2    12.0

6194          KK   DCB51
6195          KM   STREET INTERSECTION DIVERSION
6196          KM   CAMELBACK & 51ST
6197          KM   51% West & 49% South
6198          DT   D51CB
6199          DI       0  10000.
6200          DQ       0   4900.

6201          KK   RCB2
6202          KM   STREET ROUTE
6203          KM   WEST
6204          KM   CAMELBACK
6205          RS       3    FLOW     -1.
6206          RC    0.02   0.016    0.02   2430.  0.0026
6207          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
6208          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

6209          KK   SBH3S
6210          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
6211          KM   BETHANY HOME
6212          DR   SBH3S

6213          KK  R1722S
6214          KM   SUB-BASIN STREET ROUTE
6215          KM   SOUTH
6216          KM   RW= 120'
6217          KM   PAV= 78'
6218          RS       6    FLOW     -1.
6219          RC    0.02   0.016    0.02   5370.  0.0031
6220          RX       0     0.1    21.0    31.0    89.0    99.0    120.   120.1
6221          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

6222          KK   17-22
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6223          KM   SUB-BASIN 17-22
6224          KM   6-HOUR RAINFALL, PATTERN NO. 1.41 WAS USED TO FIND TC & R FOR THIS BASIN
6225          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .987
6226          KM     L = 1.32  Kb = .039  Adj. Slope =   19.0
6227          BA   1.016
6228          LG    .200    .260   5.100    .330  46.000
6229          UC    .996    .456
6230          UA       0       5      16      30      65      77      84      90      94      97
6231          UA     100

6232          KK   S51FW
6233          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
6234          KM   51ST
6235          DR   S51FW

6236          KK  R1722W
6237          KM   SUB-BASIN STREET ROUTE
6238          KM   WEST
6239          KM   RW= 120'
6240          KM   PAV= 78'
6241          RS       7    FLOW     -1.
6242          RC    0.02   0.016    0.02   5300.  0.0022
6243          RX       0     0.1    21.0    31.0    89.0    99.0    120.   120.1
6244          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

6245          KK  C17-22
6246          KM   SUB-BASIN COMBINE
6247          HC       3    16.1

6248          KK  D1722S
6249          KM   SUB-BASIN DIVERSION
6250          KM   SUB-BASIN 17-22
6251          KM   29% West & 71% South
6252          DT  D1722W
6253          DI       0  10000.
6254          DQ       0   2900.
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


6255          KK   CCB2
6256          KM   EAST/WEST STREET COMBINE
6257          KM   CAMELBACK
6258          HC       2    18.1

6259          KK   SCB2W
6260          KM   STREET CAPACITY DIVERSION
6261          KM   CAMELBACK
6262          KM   DIVERSION TO SOUTH
6263          DT   SCB2S
6264          DI       0     28.     74.   1361.   2339.
6265          DQ       0     0.1     38.    883.   1523.

6266          KK   RCB3
6267          KM   STREET ROUTE
6268          KM   WEST
6269          KM   CAMELBACK
6270          RS       4    FLOW     -1.
6271          RC    0.02   0.016    0.02   2980.  0.0019
6272          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
6273          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

6274          KK   D59BH
6275          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
6276          KM   59TH & BETHANY HOME
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HG14PRINT

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6277          DR   D59BH

6278          KK   R59J
6279          KM   STREET ROUTE
6280          KM   SOUTH
6281          KM   59TH Avenue
6282          RS       3    FLOW     -1.
6283          RC    0.02   0.016    0.02   2660.  0.0034
6284          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
6285          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

6286          KK  D1722W
6287          KM   RETRIEVAL OF SUB-BASIN DIVERSION
6288          KM   SUB-BASIN 17-22
6289          DR  D1722W

6290          KK   C59E
6291          KM   NORTH/SOUTH STREET COMBINE
6292          KM   59TH AVENUE
6293          HC       2    16.1

6294          KK   S59FS
6295          KM   STREET CAPACITY DIVERSION
6296          KM   59TH
6297          KM   DIVERSION TO WEST
6298          DT   S59FW
6299          DI       0     44.    122.   1699.   2898.
6300          DQ       0     0.1     60.   1004.   1705.
1                                          HEC-1 INPUT                                                    PAGE140

LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


6301          KK   R59K
6302          KM   STREET ROUTE
6303          KM   SOUTH
6304          KM   59TH Avenue
6305          RS       3    FLOW     -1.
6306          RC    0.02   0.016    0.02   2670.  0.0026
6307          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
6308          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

6309          KK   CCB59
6310          KM   INTERSECTION COMBINE
6311          KM   CAMELBACK & 59TH
6312          HC       2    18.1

6313          KK   DCB59
6314          KM   STREET INTERSECTION DIVERSION
6315          KM   CAMELBACK & 59TH
6316          KM   48% West & 52% South
6317          KM   DIVERSION SOUTH
6318          KM   STORM DRAIN ALONG 59TH AVE
6319          KM   CAP=  14.0 CFS SOUTH
6320          DT   D59CB
6321          DI       0     14.  10014.
6322          DQ       0     14.   5214.

6323          KK   RCB4
6324          KM   STREET ROUTE
6325          KM   WEST
6326          KM   CAMELBACK
6327          RS       3    FLOW     -1.
6328          RC    0.02   0.016    0.02   2640.  0.0029
6329          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
6330          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
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K/7 4PRINT

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6331          KK   SBH4S
6332          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
6333          KM   BETHANY HOME
6334          DR   SBH4S

6335          KK  R1822S
6336          KM   SUB-BASIN STREET ROUTE
6337          KM   SOUTH
6338          KM   RW= 120'
6339          KM   PAV= 78'
6340          RS       6    FLOW     -1.
6341          RC    0.02   0.016    0.02   5440.  0.0027
6342          RX       0     0.1    21.0    31.0    89.0    99.0    120.   120.1
6343          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

6344          KK   18-22
6345          KM   SUB-BASIN 18-22
6346          KM   6-HOUR RAINFALL, PATTERN NO. 1.38 WAS USED TO FIND TC & R FOR THIS BASIN
6347          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .987
6348          KM     L = 1.40  Kb = .076  Adj. Slope =   15.0
6349          BA    .969
6350          LG    .240    .150   7.600    .120  34.000
6351          UC   1.500    .773
6352          UA       0       5      16      30      65      77      84      90      94      97
6353          UA     100

6354          KK   S59FW
6355          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
6356          KM   59TH
6357          DR   S59FW

6358          KK  R1822W
6359          KM   SUB-BASIN STREET ROUTE
6360          KM   WEST
6361          KM   RW= 120'
6362          KM   PAV= 78'
6363          RS       6    FLOW     -1.
6364          RC    0.02   0.016    0.02   5200.  0.0024
6365          RX       0     0.1    21.0    31.0    89.0    99.0    120.   120.1
6366          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

6367          KK  C18-22
6368          KM   SUB-BASIN COMBINE
6369          HC       3    23.8

6370          KK  D1822S
6371          KM   SUB-BASIN DIVERSION
6372          KM   SUB-BASIN 18-22
6373          KM   44% West & 56% South
6374          DT  D1822W
6375          DI       0  10000.
6376          DQ       0   4400.

6377          KK   CCB3
6378          KM   EAST/WEST STREET COMBINE
6379          KM   CAMELBACK
6380          HC       2    25.3

6381          KK   SCB3W
6382          KM   STREET CAPACITY DIVERSION
6383          KM   CAMELBACK
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6384          KM   DIVERSION TO SOUTH
6385          DT   SCB3S
6386          DI       0     31.     87.   1451.   2475.
6387          DQ       0     0.1     48.    818.   1389.
1                                          HEC-1 INPUT                                                    PAGE142

LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


6388          KK   RCB5
6389          KM   STREET ROUTE
6390          KM   WEST
6391          KM   CAMELBACK
6392          RS       3    FLOW     -1.
6393          RC    0.02   0.016    0.02   2520.  0.0021
6394          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
6395          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

6396          KK   D67BH
6397          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
6398          KM   67TH & BETHANY HOME
6399          DR   D67BH

6400          KK   R67L
6401          KM   STREET ROUTE
6402          KM   SOUTH
6403          KM   67TH Avenue
6404          RS       3    FLOW     -1.
6405          RC    0.02   0.016    0.02   2650.  0.0025
6406          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
6407          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

6408          KK  D1822W
6409          KM   RETRIEVAL OF SUB-BASIN DIVERSION
6410          KM   SUB-BASIN 18-22
6411          DR  D1822W

6412          KK   C67F
6413          KM   NORTH/SOUTH STREET COMBINE
6414          KM   67TH AVENUE
6415          HC       2  37.078

6416          KK   S67GS
6417          KM   STREET CAPACITY DIVERSION
6418          KM   67TH
6419          KM   DIVERSION TO WEST
6420          DT   S67GW
6421          DI       0     41.    118.   1650.   2814.
6422          DQ       0     0.1     60.   1004.   1705.

6423          KK   R67M
6424          KM   STREET ROUTE
6425          KM   SOUTH
6426          KM   67TH Avenue
6427          RS       3    FLOW     -1.
6428          RC    0.02   0.016    0.02   2660.  0.0027
6429          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
6430          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
1                                          HEC-1 INPUT                                                    PAGE143

LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


6431          KK   CCB67
6432          KM   INTERSECTION COMBINE
6433          KM   CAMELBACK & 67TH
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6434          HC      2    25.3

6435          KK   DCB67
6436          KM   STREET INTERSECTION DIVERSION
6437          KM   CAMELBACK & 67TH
6438          KM   54% West & 46% South
6439          DT   D67CB
6440          DI       0  10000.
6441          DQ       0   4600.

6442          KK    RCB6
6443          KM   STREET ROUTE
6444          KM   WEST
6445          KM   CAMEL BACK
6446          RS       3    FLOW     -1.
6447          RC    0.02   0.016    0.02   2470.  0.0029
6448          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
6449          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

6450          KK   SBH5S
6451          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
6452          KM   BETHANY HOME
6453          DR   SBH5S

6454          KK  R1321S
6455          KM   SUB-BASIN STREET ROUTE
6456          KM   SOUTH
6457          KM   RW= 220'
6458          KM   PAV= 148'
6459          RS       7    FLOW     -1.
6460          RC    0.02   0.016    0.02   5630.  0.0020
6461          RX       0     0.1    36.0    46.0   174.0   184.0    220.   220.1
6462          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

6463          KK   13-21
6464          KM   SUB-BASIN 13-21
6465          KM   6-HOUR RAINFALL, PATTERN NO. 1.40 WAS USED TO FIND TC & R FOR THIS BASIN
6466          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .987
6467          KM     L = 1.32  Kb = .073  Adj. Slope =   18.0
6468          BA   1.003
6469          LG    .270    .170   7.300    .130  26.000
6470          UC   1.500    .723
6471          UA       0       5      16      30      65      77      84      90      94      97
6472          UA     100

6473          KK   S67GW
6474          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
6475          KM   67TH
6476          DR   S67GW
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


6477          KK  R1321W
6478          KM   SUB-BASIN STREET ROUTE
6479          KM   WEST
6480          KM   RW= 270'
6481          KM   PAV= 183'
6482          RS       5    FLOW     -1.
6483          RC    0.02   0.016    0.02   5320.  0.0032
6484          RX       0     0.1    43.5    53.5   216.5   226.5    270.   270.1
6485          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

6486          KK  C13-21
6487          KM   SUB-BASIN COMBINE
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K/14PRINT

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6488          HC       3  37.078

6489          KK  D1321S
6490          KM   SUB-BASIN DIVERSION
6491          KM   SUB-BASIN 13-21
6492          KM   35% West & 65% South
6493          DT  D1321W
6494          DI       0  10000.
6495          DQ       0   3500.

6496          KK    CCB4
6497          KM   EAST/WEST STREET COMBINE
6498          HC       2  37.078

6499          KK   SCB4W
6500          KM   STREET CAPACITY DIVERSION
6501          KM   CAMELBACK
6502          KM   DIVERSION TO SOUTH
6503          DT   SCB4S
6504          DI       0     30.     87.   1446.   2467.
6505          DQ       0     0.1     49.    818.   1389.

6506          KK    RCB7
6507          KM   STREET ROUTE
6508          KM   WEST
6509          KM   CAMELBACK
6510          RS       4    FLOW     -1.
6511          RC    0.02   0.016    0.02   2810.  0.0021
6512          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
6513          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

6514          KK   D75BH
6515          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
6516          KM   75TH & BETHANY HOME
6517          DR   D75BH

6518          KK    R75M
6519          KM   STREET ROUTE
6520          KM   SOUTH
6521          KM   75TH Avenue
6522          RS       4    FLOW     -1.
6523          RC    0.02   0.016    0.02   2620.  0.0013
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

6524          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
6525          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

6526          KK  D1321W
6527          KM   RETRIEVAL OF SUB-BASIN DIVERSION
6528          KM   SUB-BASIN 13-21
6529          DR  D1321W

6530          KK    C75F
6531          KM   NORTH/SOUTH STREET COMBINE
6532          KM   75TH AVENUE
6533          HC       2  40.904

6534          KK   S75HS
6535          KM   STREET CAPACITY DIVERSION
6536          KM   75TH
6537          KM   DIVERSION TO WEST
6538          DT   S75HW
6539          DI       0  10000.
6540          DQ       0  10000.
```

```
6541          KK    R75N
6542          KM   STREET ROUTE
6543          KM   SOUTH
6544          KM   75TH Avenue
6545          RS       4    FLOW     -1.
6546          RC    0.02   0.016    0.02   2650.  0.0014
6547          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
6548          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

6549          KK   CCB75
6550          KM   INTERSECTION COMBINE
6551          KM   CAMELBACK & 75TH
6552          HC       2  37.078

6553          KK   DCB75
6554          KM   STREET INTERSECTION DIVERSION
6555          KM   CAMELBACK & 75TH
6556          KM   35% West & 65% South
6557          DT   D75CB
6558          DI       0  10000.
6559          DQ       0   6500.

6560          KK    RCB8
6561          KM   STREET ROUTE
6562          KM   WEST
6563          KM   CAMELBACK
6564          RS       2    FLOW     -1.
6565          RC    0.02   0.016    0.02   2510.  0.0042
6566          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
6567          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

6568          KK   SBH6S
6569          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
6570          KM   BETHANY HOME
6571          DR   SBH6S

6572          KK  R1421S
6573          KM   SUB-BASIN STREET ROUTE
6574          KM   SOUTH
6575          KM   RW= 50'
6576          KM   PAV= 35'
6577          RS       4    FLOW     -1.
6578          RC    0.02   0.016    0.02   3400.  0.0025
6579          RX       0     0.1     7.5    17.5    32.5    42.5     50.    50.1
6580          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

6581          KK   S75HW
6582          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
6583          KM   75TH
6584          DR   S75HW

6585          KK  R1421W
6586          KM   SUB-BASIN STREET ROUTE
6587          KM   WEST
6588          KM   RW= 50'
6589          KM   PAV= 35'
6590          RS       6    FLOW     -1.
6591          RC    0.02   0.016    0.02   5360.  0.0026
6592          RX       0     0.1     7.5    17.5    32.5    42.5     50.    50.1
6593          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0
```

```
6594          KK  14-21E
6595          KM   SUB-BASIN 14-21E
6596          KM   6-HOUR RAINFALL, PATTERN NO. 1.00 WAS USED TO FIND TC & R FOR THIS BASIN
6597          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .994
6598          KM     L =  .99  Kb = .072  Adj. Slope =   18.0
6599          BA    .432
6600          LG    .380    .170   8.800    .080   6.000
6601          UC   1.308    .798
6602          UA       0       5      16      30      65      77      84      90      94      97
6603          UA     100

6604          KK  RET14E
6605          KM   RETENTION BASIN DIVERSION
6606          KM   SUB-BASIN 14-21E
6607          KM   32% OF SUB-BASIN DRAINS TO RETENTION BASIN
6608          DT  D1421R    3.02
6609          DI       0  10000.
6610          DQ       0   3200.
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

6611          KK  C1421E
6612          KM   SUB-BASIN COMBINE
6613          HC       3  41.033

6614          KK  D1421E
6615          KM    SPECIAL CASE
6616          KM    DIVERT FLOW WEST OVER THE GRAND CANAL
6617          DT  D1421X
6618          DI      0.     37.    996.   5440.
6619          DQ      0.     0.1    216.   1890.

6620          KK  14-21W
6621          KM   SUB-BASIN 14-21W
6622          KM   6-HOUR RAINFALL, PATTERN NO. 1.07 WAS USED TO FIND TC & R FOR THIS BASIN
6623          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .993
6624          KM     L =  .53  Kb = .073  Adj. Slope =    7.0
6625          BA    .562
6626          LG    .310    .170   8.400    .090  17.000
6627          UC   1.225    .387
6628          UA       0       5      16      30      65      77      84      90      94      97
6629          UA     100

6630          KK  RET14W
6631          KM   RETENTION BASIN DIVERSION
6632          KM   SUB-BASIN 14-21W
6633          KM   40% OF SUB-BASIN DRAINS TO RETENTION BASIN
6634          DT  D1421P    3.70
6635          DI       0  10000.
6636          DQ       0   4000.

6637          KK  C1421W
6638          KM   SUB-BASIN COMBINE
6639          HC       2   41.59

6640          KK  D1421S
6641          KM   SUB-BASIN DIVERSION
6642          KM   SUB-BASIN 14-21W
6643          KM   50% West & 50% South
6644          DT  D1421W
6645          DI       0  10000.
6646          DQ       0   5000.

6647          KK    CCB5
```

```
6648          KM   EAST/WEST STREET COMBINE
6649          KM   CAMELBACK
6650          HC       2  41.594

6651          KK   SCB5W
6652          KM   STREET CAPACITY DIVERSION
6653          KM   CAMELBACK
6654          KM   DIVERSION TO SOUTH
6655          DT   SCB5S
6656          DI       0     37.     79.   1367.   2346.
6657          DQ       0     0.1     32.    741.   1279.
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

6658          KK    RCB9
6659          KM   STREET ROUTE
6660          KM   WEST
6661          KM   CAMELBACK
6662          RS       3    FLOW     -1.
6663          RC    0.02   0.016    0.02   2770.  0.0033
6664          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
6665          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

6666          KK  D1421X
6667          KM   RETRIEVAL OF SUB-BASIN DIVERSION
6668          KM   SUB-BASIN 14-21E
6669          DR  D1421X

6670          KK  RES14E
6671          KM   PONDING AREA RESERVOIR ROUTE
6672          KM   PONDING AREA NORTHEAST OF GRAND CANAL EMBANKMENT
6673          KM   SUB-BASIN 14-21E
6674          RS       1    ELEV   1086.
6675          SV       0   11.05   19.61   30.20    58.2
6676          SE   1086.   1087.  1087.5   1088.   1089.
6677          SQ      0.     0.1     0.2    553.   6234.

6678          KK   D83BH
6679          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
6680          KM   83RD & BETHANY HOME
6681          DR   D83BH

6682          KK    R83L
6683          KM   STREET ROUTE
6684          KM   SOUTH
6685          KM   83RD Avenue
6686          RS       4    FLOW     -1.
6687          RC    0.02   0.016    0.02   2730.  0.0015
6688          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
6689          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

6690          KK  D1421W
6691          KM   RETRIEVAL OF SUB-BASIN DIVERSION
6692          KM   SUB-BASIN 14-21W
6693          DR  D1421W

6694          KK    C83F
6695          KM   NORTH/SOUTH STREET COMBINE
6696          KM   83RD AVENUE
6697          HC       3  41.594

6698          KK   S83GS
6699          KM   STREET CAPACITY DIVERSION
6700          KM   83RD AVENUE
```

```
6701          KM   DIVERSION TO WEST
6702          DT   S83GW
6703          DI       0     25.     46.    769.   1314.
6704          DQ       0    0.1     16.    260.    442.
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

6705          KK    R83M
6706          KM   STREET ROUTE
6707          KM   SOUTH
6708          KM   83RD Avenue
6709          RS       4    FLOW     -1.
6710          RC    0.02   0.016    0.02   2630.  0.0017
6711          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
6712          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

6713          KK   CCB83
6714          KM   INTERSECTION COMBINE
6715          KM   CAMELBACK & 83RD
6716          HC       2  41.594

6717          KK   DCB83
6718          KM   STREET INTERSECTION DIVERSION
6719          KM   CAMELBACK & 83RD
6720          KM   64% West & 36% South
6721          DT   D83CB
6722          DI       0  10000.
6723          DQ       0   3600.

6724          KK   RCB10
6725          KM   STREET ROUTE
6726          KM   WEST
6727          KM   CAMELBACK
6728          RS       2    FLOW     -1.
6729          RC    0.02   0.016    0.02   2650.  0.0045
6730          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
6731          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

6732          KK   SBH7S
6733          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
6734          KM   BETHANY HOME
6735          DR   SBH7S

6736          KK  R1521S
6737          KM   SUB-BASIN STREET ROUTE
6738          KM   SOUTH
6739          KM   RW= 50'
6740          KM   PAV= 35'
6741          RS       7    FLOW     -1.
6742          RC    0.02   0.016    0.02   5220.  0.0020
6743          RX       0     0.1     7.5    17.5    32.5    42.5     50.    50.1
6744          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

6745          KK   15-21
6746          KM   SUB-BASIN 15-21
6747          KM   6-HOUR RAINFALL, PATTERN NO. 1.41 WAS USED TO FIND TC & R FOR THIS BASIN
6748          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .987
6749          KM     L = 1.48  Kb = .071  Adj. Slope =   15.0
6750          BA   1.011
6751          LG    .410    .160   9.700    .070   6.000
6752          UC   1.500    .789
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10
```

```
6753        UA      0      5     16     30     65     77     84     90     94     97
6754        UA    100

6755        KK   RET15
6756        KM   RETENTION BASIN DIVERSION
6757        KM   SUB-BASIN 15-21
6758        KM   12% OF SUB-BASIN DRAINS TO RETENTION BASIN
6759        DT     D15   5.90
6760        DI       0  10000.
6761        DQ       0   1200.

6762        KK   S83GW
6763        KM   RETRIEVAL OF STREET CAPACITY DIVERSION
6764        KM   83RD
6765        DR   S83GW

6766        KK  R1521W
6767        KM   SUB-BASIN STREET ROUTE
6768        KM   WEST
6769        KM   RW= 70'
6770        KM   PAV= 43'
6771        RS       5    FLOW     -1.
6772        RC    0.02   0.016    0.02   5280.  0.0040
6773        RX       0     0.1    13.5    23.5    46.5    56.5     70.    70.1
6774        RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

6775        KK  C15-21
6776        KM   SUB-BASIN COMBINE
6777        HC       3  48.800

6778        KK  D1521S
6779        KM   SUB-BASIN DIVERSION
6780        KM   SUB-BASIN 15-21
6781        KM   35% West & 65% South
6782        DT  D1521W
6783        DI       0  10000.
6784        DQ       0   3500.

6785        KK    CCB6
6786        KM   EAST/WEST STREET COMBINE
6787        HC       2  48.800

6788        KK   SCB6W
6789        KM   STREET CAPACITY DIVERSION
6790        KM   CAMELBACK
6791        KM   DIVERSION TO SOUTH
6792        DT   SCB6S
6793        DI       0     37.     62.   1002.   1716.
6794        DQ       0     0.1     17.    388.    670.
```



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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

6795        KK   RCB11
6796        KM   STREET ROUTE
6797        KM   WEST
6798        KM   CAMELBACK
6799        RS       3    FLOW     -1.
6800        RC    0.02   0.016    0.02   2650.  0.0028
6801        RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
6802        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

6803        KK   D91BH
6804        KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
```


1C/14PRINT

```
6805          KM   91ST & BETHANY HOME
6806          DR   D91BH

6807          KK  D1521W
6808          KM   RETRIEVAL OF SUB-BASIN DIVERSION
6809          KM   SUB-BASIN 15-21
6810          DR  D1521W

6811          KK    C91E
6812          KM   NORTH/SOUTH STREET COMBINE
6813          KM   91ST AVENUE
6814          HC       2  48.800

6815          KK   S91ES
6816          KM   STREET CAPACITY DIVERSION
6817          KM   91ST
6818          KM   DIVERSION TO WEST
6819          DT   S91EW
6820          DI       0     47.     84.   1359.   2329.
6821          DQ       0     0.1     24.    565.    975.

6822          KK    R91J
6823          KM   STREET ROUTE
6824          KM   SOUTH
6825          KM   91ST Avenue
6826          RS       5    FLOW     -1.
6827          RC    0.02   0.016    0.02   2640.  0.0010
6828          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
6829          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

6830          KK   CCB91
6831          KM   INTERSECTION COMBINE
6832          KM   CAMLEBACK & 91ST
6833          HC       2  48.800

6834          KK   DCB91
6835          KM   STREET INTERSECTION DIVERSION
6836          KM   CAMELBACK & 91ST
6837          KM   43% West & 57% South
6838          DT   D91CB
6839          DI       0  10000.
6840          DQ       0   5700.
```



```
LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

6841          KK   RCB12
6842          KM   STREET ROUTE
6843          KM   WEST
6844          KM   CAMELBACK
6845          RS       3    FLOW     -1.
6846          RC    0.02   0.016    0.02   2730.  0.0031
6847          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
6848          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

6849          KK   SBH8S
6850          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
6851          KM   BETHANY HOME
6852          DR   SBH8S

6853          KK  R1621S
6854          KM   SUB-BASIN STREET ROUTE
6855          KM   SOUTH
6856          KM   RW= 50'
6857          KM   PAV= 35'
```

```
6858    RS      6   FLOW    -1.
6859    RC   0.02  0.016   0.02   5260.  0.0025
6860    RX      0    0.1    7.5    17.5    32.5    42.5     50.    50.1
6861    RY    4.0    0.0    0.0     0.0     0.0     0.0     0.0     4.0

6862    KK   16-21
6863    KM   SUB-BASIN 16-21
6864    KM   6-HOUR RAINFALL, PATTERN NO. 1.41 WAS USED TO FIND TC & R FOR THIS BASIN
6865    KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .987
6866    KM     L = 1.35  Kb = .078  Adj. Slope =   12.0
6867    BA   1.022
6868    LG    .460    .150   8.800    .090   4.000
6869    UC   1.500    .729
6870    UA      0       5      16      30      65      77      84      90      94      97
6871    UA    100

6872    KK   S91EW
6873    KM   RETRIEVAL OF STREET CAPACITY DIVERSION
6874    KM   91ST
6875    DR   S91EW

6876    KK  R1621W
6877    KM   SUB-BASIN STREET ROUTE
6878    KM   WEST
6879    KM   RW= 170'
6880    KM   PAV= 113'
6881    RS      7   FLOW    -1.
6882    RC   0.02  0.016   0.02   5300.  0.0022
6883    RX      0    0.1   28.5    38.5   131.5   141.5    170.   170.1
6884    RY    4.0    0.0    0.0     0.0     0.0     0.0     0.0     4.0
```



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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

6885    KK  C16-21
6886    KM   SUB-BASIN COMBINE
6887    HC      3  50.641

6888    KK  D1621S
6889    KM   SUB-BASIN DIVERSION
6890    KM   SUB-BASIN 16-21
6891    KM   40% West & 60% South
6892    DT  D1621W
6893    DI      0  10000.
6894    DQ      0   4000.

6895    KK    CCB7
6896    KM   EAST/WEST STREET COMBINE
6897    HC      2  50.641

6898    KK   SCB7W
6899    KM   STREET CAPACITY DIVERSION
6900    KM   CAMELBACK
6901    KM   DIVERSION TO SOUTH
6902    DT   SCB7S
6903    DI      0     32.     47.    709.   1213.
6904    DQ      0    0.1      8.    177.    305.

6905    KK   RCB13
6906    KM   STREET ROUTE
6907    KM   WEST
6908    KM   CAMELBACK
6909    RS      3   FLOW    -1.
6910    RC   0.02  0.016   0.02   2640.  0.0023
6911    RX   44.9    45.    66.    66.1    134.   134.1    155.   155.1
```


IC/14PRINT

```
6912        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

6913        KK   D99BH
6914        KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
6915        KM   99TH & BETHANY HOME
6916        DR   D99BH

6917        KK  D1621W
6918        KM   RETRIEVAL OF SUB-BASIN DIVERSION
6919        KM   SUB-BASIN 16-21
6920        DR  D1621W

6921        KK    C99B
6922        KM   NORTH/SOUTH STREET COMBINE
6923        KM   99TH AVENUE
6924        HC       2  50.641

6925        KK   S99BS
6926        KM   STREET CAPACITY DIVERSION
6927        KM   99TH
6928        KM   DIVERSION TO WEST
6929        DT   S99BW
6930        DI       0     36.     60.   1002.   1714.
1                                        HEC-1 INPUT                                          PAGE154

LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

6931        DQ       0     0.1     16.    260.    442.

6932        KK    R99E
6933        KM   STREET ROUTE
6934        KM   SOUTH
6935        KM   99TH Avenue
6936        RS       3    FLOW     -1.
6937        RC    0.02   0.016    0.02   2620.  0.0026
6938        RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
6939        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

6940        KK   CCB99
6941        KM   INTERSECTION COMBINE
6942        KM   CAMELBACK & 99TH
6943        HC       2  50.641

6944        KK   DCB99
6945        KM   STREET INTERSECTION DIVERSION
6946        KM   CAMELBACK & 99TH
6947        KM   66% West & 34% South
6948        DT   D99CB
6949        DI       0  10000.
6950        DQ       0   3400.

6951        KK   RCB14
6952        KM   STREET ROUTE
6953        KM   WEST
6954        KM   CAMELBACK
6955        RS       4    FLOW     -1.
6956        RC    0.02   0.016    0.02   2640.  0.0016
6957        RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
6958        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

6959        KK  17-21E
6960        KM   SUB-BASIN 17-21E
6961        KM   6-HOUR RAINFALL, PATTERN NO. 1.19 WAS USED TO FIND TC & R FOR THIS BASIN
6962        KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .991
6963        KM     L = 1.68  Kb = .079  Adj. Slope =   12.0
6964        BA    .699
```

```
6965        LG    .450    .160   7.300    .160   3.000
6966        UC   1.500   1.078
6967        UA       0       5      16      30      65      77      84      90      94      97
6968        UA     100

6969        KK   S99BW
6970        KM   RETRIEVAL OF STREET CAPACITY DIVERSION
6971        KM   99TH
6972        DR   S99BW

6973        KK  R1721W
6974        KM   SUB-BASIN STREET ROUTE
6975        KM   WEST
6976        KM   RW= 50'
6977        KM   PAV= 35'
6978        RS       8    FLOW     -1.
1                                   HEC-1 INPUT                                          PAGE155

LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

6979        RC    0.02   0.016    0.02   6515.  0.0024
6980        RX       0     0.1     7.5    17.5    32.5    42.5     50.    50.1
6981        RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

6982        KK  C1721E
6983        KM   SUB-BASIN COMBINE
6984        HC       2  51.340

6985        KK  D1721S
6986        KM   SUB-BASIN DIVERSION
6987        KM   SUB-BASIN 17-21E
6988        KM   21% West & 79% South
6989        DT  D1721W
6990        DI       0  10000.
6991        DQ       0   2100.

6992        KK    CCB8
6993        KM   EAST/WEST STREET COMBINE
6994        HC       2  51.340

6995        KK   SCB8W
6996        KM   STREET CAPACITY DIVERSION
6997        KM   CAMELBACK
6998        KM   DIVERSION TO SOUTH
6999        DT   SCB8S
7000        DI       0     23.     44.    730.   1247.
7001        DQ       0     0.1     16.    260.    442.

7002        KK   RCB15
7003        KM   STREET ROUTE
7004        KM   WEST
7005        KM   CAMELBACK
7006        RS       5    FLOW     -1.
7007        RC    0.02   0.016    0.02   2630.  0.0011
7008        RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
7009        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

7010        KK  D1721W
7011        KM   RETRIEVAL OF SUB-BASIN DIVERSION
7012        KM   SUB-BASIN 17-21
7013        DR  D1721W

7014        KK  CCB107
7015        KM   INTERSECTION COMBINE
7016        KM   CAMELBACK & 107TH
7017        HC       2  51.646
```


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```
7018          KK  DCB107
7019          KM   STREET INTERSECTION DIVERSION
7020          KM   CAMELBACK & 107TH
7021          KM   55% West & 45% South
7022          DT  D107CB
7023          DI       0  10000.
7024          DQ       0   4500.
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

7025          KK  17-21W
7026          KM   SUB-BASIN 17-21W
7027          KM   6-HOUR RAINFALL, PATTERN NO. 1.00 WAS USED TO FIND TC & R FOR THIS BASIN
7028          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .996
7029          KM     L = 1.11  Kb = .093  Adj. Slope =   15.0
7030          BA    .306
7031          LG    .440    .250   5.800    .280   4.000
7032          UC   1.500   1.239
7033          UA       0       5      16      30      65      77      84      90      94      97
7034          UA     100

7035          KK  R1821W
7036          KM   SUB-BASIN STREET ROUTE
7037          KM   WEST
7038          KM   RW= 100'
7039          KM   PAV= 70'
7040          RS      10    FLOW     -1.
7041          RC    0.02   0.016    0.02   8950.  0.0027
7042          RX       0     0.1    15.0    25.0    75.0    85.0    100.   100.1
7043          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

7044          KK   18-21
7045          KM   SUB-BASIN 18-21
7046          KM   6-HOUR RAINFALL, PATTERN NO. 1.05 WAS USED TO FIND TC & R FOR THIS BASIN
7047          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .993
7048          KM     L = 1.22  Kb = .083  Adj. Slope =   10.0
7049          BA    .542
7050          LG    .480    .250   5.600    .320   1.000
7051          UC   1.500    .965
7052          UA       0       5      16      30      65      77      84      90      94      97
7053          UA     100

7054          KK  C18-21
7055          KM   SUB-BASIN COMBINE
7056          HC       3  52.189

7057          KK   NULL6
7058          KM   NULL COMBINE AT END OF CAMELBACK ROAD COMPUTATIONAL PATH
7059          HC       2      1.
              *
              * INDIAN SCHOOL COMPUTATION PATH
              *

7060          KK   23-22
7061          KM   SUB-BASIN 23-22
7062          KM   6-HOUR RAINFALL, PATTERN NO. 1.40 WAS USED TO FIND TC & R FOR THIS BASIN
7063          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .987
7064          KM     L = 1.41  Kb = .076  Adj. Slope =   13.0
7065          BA    .989
7066          LG    .240    .150   7.600    .120  32.000
7067          UC   1.500    .769
7068          UA       0       5      16      30      65      77      84      90      94      97
7069          UA     100
```

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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

7070          KK  SD31BS
7071          KM   RETRIEVAL OF STORM DRAIN DIVERSION
7072          KM   EXISTING STORM DRAIN ALONG 31ST AVENUE
7073          KM   CAP= 150 CFS SOUTH
7074          DR  SD31BS

7075          KK  CSD31C
7076          KM   SUB-BASIN COMBINE FOR STORM DRAIN DIVERSION
7077          HC       2

7078          KK  SD31C
7079          KM   STORM DRAIN DIVERSION
7080          KM   STORM DRAIN ALONG HALF MILE STREET
7081          KM   EXISTING STORM DRAIN ALONG 31ST AVENUE
7082          KM   DIVERSION SOUTH
7083          KM   CAP= 251 CFS SOUTH
7084          DT  SD31CS
7085          DI       0    251.  10251.
7086          DQ       0    251.    251.

7087          KK  D2322E
7088          KM   SUB-BASIN DIVERSION
7089          KM   SUB-BASIN 23-22
7090          KM   59% WEST & 41% EAST
7091          DT  D2322W
7092          DI       0  10000.
7093          DQ       0   5900.

7094          KK   D27CB
7095          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
7096          KM   27TH & CAMELBACK
7097          DR   D27CB

7098          KK   R27E
7099          KM   STREET ROUTE
7100          KM   SOUTH
7101          KM   27TH Avenue
7102          RS       5    FLOW     -1.
7103          RC    0.02   0.016    0.02   5250.  0.0040
7104          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
7105          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

7106          KK   24-22
7107          KM   SUB-BASIN 24-22
7108          KM   6-HOUR RAINFALL, PATTERN NO. 1.00 WAS USED TO FIND TC & R FOR THIS BASIN
7109          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .997
7110          KM     L = 1.00  Kb = .047  Adj. Slope =   18.0
7111          BA    .225
7112          LG    .150    .160   7.600    .120  65.000
7113          UC    .792    .668
7114          UA       0       5      16      30      65      77      84      90      94      97
7115          UA     100
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

7116          KK   CIS27
7117          KM   INTERSECTION COMBINE
7118          KM   INDIAN SCHOOL & 27TH
7119          HC       3   6.253
```

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7120          KK   DIS27
7121          KM   STREET INTERSECTION DIVERSION
7122          KM   INDIAN SCHOOL & 27TH
7123          KM   0% West & 100% South
7124          KM   DIVERSION SOUTH
7125          KM   EXISTING STORM DRAIN ALONG 27TH AVENUE
7126          KM   CAP= 160 CFS SOUTH
7127          DT   D27IS
7128          DI       0  10000.
7129          DQ       0  10000.

7130          KK   D35CB
7131          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
7132          KM   35TH & CAMELBACK
7133          DR   D35CB

7134          KK   R35H
7135          KM   STREET ROUTE
7136          KM   SOUTH
7137          KM   35TH Avenue
7138          RS       2    FLOW     -1.
7139          RC    0.02   0.016    0.02   2580.  0.0047
7140          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
7141          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

7142          KK  D2322W
7143          KM   RETRIEVAL OF SUB-BASIN DIVERSION
7144          KM   SUB-BASIN 23-22
7145          DR  D2322W

7146          KK   C35D
7147          KM   NORTH/SOUTH STREET COMBINE
7148          KM   35TH AVENUE
7149          HC       2  10.130

7150          KK   R35I
7151          KM   STREET ROUTE
7152          KM   SOUTH
7153          KM   35TH Avenue
7154          RS       3    FLOW     -1.
7155          RC    0.02   0.016    0.02   2690.  0.0028
7156          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
7157          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

7158          KK   CIS35
7159          KM   INTERSECTION COMBINE
7160          KM   INDIAN SCHOOL & 35TH
7161          HC       2    10.1

7162          KK   D43CB
7163          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
7164          KM   43RD & CAMELBACK
7165          DR   D43CB

7166          KK  SD43A
7167          KM   STORM DRAIN DIVERSION
7168          KM   EXISTING STORM DRAIN ALONG 43RD AVENUE
7169          KM   CAP= 165 CFS SOUTH
7170          DT  SD43AS
7171          DI       0    165.  10000.
7172          DQ       0    165.    165.
```

```
7188   KM   22E                    2.5   3760.
7189   KM   SUB-BASIN 22-2          0.0   12.5   0.0030
7190   KM   6-HOUR RAINFALL, PATTERN NO. 1.04 WAS USED TO FIND TC & R FOR THIS BASIN
7191   KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF .993
7192   BA     L = 1.05  Kb = .065  Adj. Slope =  20.0                0.0   80.5
       LG   .532                                                     0.0   90.5
       UC   .220                                                                0.0   93.
       UA   1.171   .260   4.800   .360  43.000                                     0.0   93.1
       UA     0     .657                                                                   4.0
7193   UA   100       5      16      30      65      77      84      90      94      97
7194
7195
7196
7197
7198   KK   SD39BS
7199   KM   RETRIEVAL OF STORM DRAIN DIVERSION
7200   KM   EXISTING STORM DRAIN ALONG 31ST AVENUE
       DR   CAP= 268 CFS SOUTH
       KK   SD39BS
       KM   C2222E
       HC   SUB-BASIN COMBINE
LINE        3  12.095
       ID.......1.......2.......3.......4.......5.......6.......7.......8.......9.......10
7201   KK   SD39C                                HEC-1 INPUT
7202   KM   STORM DRAIN DIVERSION
7203   KM   STORM DRAIN ALONG HALF MILE STREET
7204   KM   EXISTING STORM DRAIN ALONG 39TH AVENUE
7205   KM   DIVERSION SOUTH
7206   DT   CAP= 268 CFS SOUTH
7207   DI   SD39CS
7208   DQ     0
7209          0     268.   10268.
              268.    268.
7210   KK   RGR7
7211   KM   STREET ROUTE
7212   KM   SOUTHEAST
7213   KM   GRAND AVENUE
7214   KM   RW=  93'
7215   RS   PAV=  88'
7216   RC     4
7217   RX   0.02    FLOW
7218   RY     0    0.016    -1.
7219          4.0    0.1    0.02
              0.0    2.5    3690.   0.0031
7220   KK   CIS35A    0.0    12.5
7221   KM   INTERSECTION COMBINE    0.0    80.5
7222   HC   INDIAN SCHOOL & 35TH    0.0    90.5
7223        2      15.6                    0.0    93.
7224   KK   DIS35                           0.0    93.1
7225   KM   STREET INTERSECTION DIVERSION    4.0
7226   KM   INDIAN SCHOOL & 35TH
```

MV10-6.0 1-26-97 7:53p

```
7227          KM   DIVERSION TO SOUTH (FLOW IN GRAND AVE)
7228          KM   SPECIAL CASE
7229          KM   EXISTING STORM DRAIN ALONG 35TH AVENUE
7230          KM   CAP=  75 CFS SOUTH
7231          DT   D351S
7232          DI       0     75.     79.    291.    340.    480.   1337.   2975.
7233          DQ       0     0.1      4.    216.    265.    389.    813.   1460.

7234          KK  SIS1AW
7235          KM   STREET CAPACITY DIVERSION
7236          KM   INDIAN SCHOOL
7237          KM   DIVERSION TO SOUTH
7238          DT  SIS1AS
7239          DI       0  10000.
7240          DQ       0  10000.

7241          KK  22-22W
7242          KM   SUB-BASIN 22-22W
7243          KM   6-HOUR RAINFALL, PATTERN NO. 1.00 WAS USED TO FIND TC & R FOR THIS BASIN
7244          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .994
7245          KM     L =  .96  Kb = .025  Adj. Slope =   26.0
7246          BA    .467
7247          LG    .140    .250   4.800    .380  57.000
7248          UC    .450    .228
7249          UA       0       5      16      30      65      77      84      90      94      97
1                                          HEC-1 INPUT                                          PAGE161

LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

7250          UA     100

7251          KK  D2222S
7252          KM   SUB-BASIN DIVERSION
7253          KM   SUB-BASIN 22-22W
7254          KM   14% West & 86% South
7255          DT  D2222W
7256          DI       0  10000.
7257          DQ       0   1400.

7258          KK  SD39CS
7259          KM   RETRIEVAL OF STORM DRAIN DIVERSION
7260          KM   EXISTING STORM DRAIN ALONG 39TH AVENUE
7261          KM   CAP= 268 CFS SOUTH
7262          DR  SD39CS

7263          KK  C2222W
7264          KM   SUB-BASIN COMBINE
7265          HC       3    16.0

7266          KK   SIS1W
7267          KM   STREET CAPACITY DIVERSION
7268          KM   INDIAN SCHOOL
7269          KM   43% WEST 57% SOUTH
7270          KM   DIVERSION TO SOUTH -- SPECIAL CASE
7271          KM   FLOW DIVERSION BASED ON GRADE BREAK LOCATIONS & STREET PATTERNS
7272          KM   EXISTING STORM DRAIN ALONG 39TH AVENUE
7273          KM   CAP= 332 CFS SOUTH
7274          DT   SIS1S
7275          DI       0    332.   1332.   2332.   3332.
7276          DQ       0    332.    902.   1472.   2042.

7277          KK   RIS1
7278          KM   STREET ROUTE
7279          KM   WEST
7280          KM   INDIAN SCHOOL
7281          RS       3    FLOW     -1.
```

```
7282          RC    0.02   0.016    0.02   1400.  0.0007
7283          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
7284          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

7285          KK  D2222W
7286          KM   RETRIEVAL OF SUB-BASIN DIVERSION
7287          KM   SUB-BASIN 22-22W
7288          DR  D2222W

7289          KK  SD43AS
7290          KM   RETRIEVAL OF STORM DRAIN DIVERSION
7291          KM   EXISTING STORM DRAIN ALONG 43RD AVENUE
7292          KM   CAP= 165 CFS SOUTH
7293          DR  SD43AS
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


7294          KK  CSD43A
7295          KM   COMBINE FOR STORM DRAIN DIVERSION
7296          KM   ALONG 43RD AVENUE JUST SOUTH OF GRAND AVENUE
7297          HC       2     16.

7298          KK   S43FS
7299          KM   STREET CAPACITY DIVERSION
7300          KM   43RD
7301          KM   DIVERSION TO WEST
7302          KM   EXISTING STORM DRAIN ALONG 43RD AVENUE
7303          KM   CAP=  89 CFS SOUTH
7304          DT   S43FW
7305          DI       0    131.    149.    972.   1598.
7306          DQ       0     0.1      8.    177.    305.

7307          KK   R43J
7308          KM   STREET ROUTE
7309          KM   SOUTH
7310          KM   43RD Avenue
7311          RS       3    FLOW     -1.
7312          RC    0.02   0.016    0.02   3750.  0.0040
7313          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
7314          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

7315          KK   CIS43
7316          KM   INTERSECTION COMBINE
7317          KM   INDIAN SCHOOL & 43RD
7318          HC       2    16.0

7319          KK   DIS43
7320          KM   STREET INTERSECTION DIVERSION
7321          KM   INDIAN SCHOOL & 43RD
7322          KM   37% West & 63% South
7323          KM   DIVERSION SOUTH
7324          KM   EXISTING STORM DRAIN ALONG 43RD AVENUE
7325          KM   CAP=  89 CFS SOUTH
7326          DT   D43IS
7327          DI       0     89.  10089.
7328          DQ       0     89.   6389.

7329          KK   RIS2
7330          KM   STREET ROUTE
7331          KM   WEST
7332          KM   INDIAN SCHOOL
7333          RS       6    FLOW     -1.
7334          RC    0.02   0.016    0.02   2650.  0.0007
7335          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
```


1C/1-4PRINT

```
7336          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
1                                          HEC-1 INPUT                                                    PAGE163

LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

7337          KK   SCB1S
7338          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
7339          KM   CAMELBACK
7340          DR   SCB1S

7341          KK  R2122S
7342          KM   SUB-BASIN STREET ROUTE
7343          KM   SOUTH
7344          KM   RW= 140'
7345          KM   PAV= 86'
7346          RS       5    FLOW     -1.
7347          RC    0.02   0.016    0.02   5330.  0.0040
7348          RX       0     0.1    27.0    37.0   103.0   113.0    140.   140.1
7349          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

7350          KK   21-22
7351          KM   SUB-BASIN 21-22
7352          KM   6-HOUR RAINFALL, PATTERN NO. 1.40 WAS USED TO FIND TC & R FOR THIS BASIN
7353          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .987
7354          KM     L = 1.45  Kb = .047  Adj. Slope =   17.0
7355          BA    .995
7356          LG    .200    .290   5.000    .290  30.000
7357          UC   1.413    .733
7358          UA       0       5      16      30      65      77      84      90      94      97
7359          UA     100

7360          KK   S43FW
7361          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
7362          KM   43RD
7363          DR   S43FW

7364          KK  R2122W
7365          KM   SUB-BASIN STREET ROUTE
7366          KM   WEST
7367          KM   RW= 50'
7368          KM   PAV= 35'
7369          RS       5    FLOW     -1.
7370          RC    0.02   0.016    0.02   4980.  0.0035
7371          RX       0     0.1     7.5    17.5    32.5    42.5     50.    50.1
7372          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

7373          KK  C21-22
7374          KM   SUB-BASIN COMBINE
7375          HC       3    13.5

7376          KK  D2122S
7377          KM   SUB-BASIN DIVERSION
7378          KM   SUB-BASIN 21-22
7379          KM   28% West & 72% South
7380          DT  D2122W
7381          DI       0  10000.
7382          DQ       0   2800.
1                                          HEC-1 INPUT                                                    PAGE164

LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

7383          KK   CIS1
7384          KM   EAST/WEST STREET COMBINE
7385          KM   INDIAN SCHOOL
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                    KM   INDIAN SCHOOL CAPACITY DIVERSION
                    KM   DIVERSION TO SOUTH
                    KM   STORM DRAIN ALONG INDIAN SCHOOL ROAD
                    DT   CAP= 45.0 CFS WEST
                    DI   SIS2S
                    DQ       0
                             0      59.
                                    0.1      95.
                                             32.     1029.     1734.
                                                     741.      1279.
7402                KK   RIS3
7403                KM   STREET ROUTE
                    KM   WEST
                    RS   INDIAN SCHOOL
                    RC       4
                    RX   0.02      FLOW
                    RY   44.9    0.016      -1.
                         4.3       45.     0.02     2710.     0.0014
                                   0.3     66.      66.1      134.      134.1     155.      155.1
                                           0.3      0.0       0.0       0.3       0.3       4.3
7404                KK   D51CB
7405                KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
7406                KM   51ST & CAMELBACK
7407                DR   D51CB
7408
7409
7410
7411
7412                KK   R51K
7413                KM   STREET ROUTE
7414                KM   SOUTH
7415                RS   51ST Avenue
                    RC       2
                    RX   0.02      FLOW
                    RY   44.9    0.016      -1.
                         4.3       45.     0.02     2650.     0.0042
                                   0.3     66.      66.1      134.      134.1     155.      155.1
                                           0.3      0.0       0.0       0.3       0.3       4.3
7416                KK   D2122W
7417                KM   RETRIEVAL OF SUB-BASIN DIVERSION
7418                KM   SUB-BASIN 21-22
7419                DR   D2122W
7420
7421
7422
7423
7424
7425
7426
7427
1
LINE                ID.......1.......2.......3.......4.......5.......6.......7.......8.......9.......10
                                                HEC-1 INPUT
7428                KK   C51E
7429                KM   NORTH/SOUTH STREET COMBINE
7430                KM   51ST AVENUE
7431                HC       2      13.5
7432                KK   S51GS
7433                KM   STREET CAPACITY DIVERSION
7434                KM   51ST
7435                KM   DIVERSION TO WEST
7436                KM   STORM DRAIN ALONG 51ST AVE
7437                DT   CAP= 38.0 CFS SOUTH
7438                DI   S51GW
7439                     0      75.     110.     1259.     2132.
```

```
7440        DQ      0     0.1     26.    600.   1035.

7441        KK   R51L
7442        KM   STREET ROUTE
7443        KM   SOUTH
7444        KM   51ST Avenue
7445        RS       3    FLOW     -1.
7446        RC    0.02   0.016    0.02   2650.  0.0032
7447        RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
7448        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

7449        KK   CIS51
7450        KM   INTERSECTION COMBINE
7451        KM   INDIAN SCHOOL & 51ST
7452        HC       2    17.5

7453        KK   DIS51
7454        KM   STREET INTERSECTION DIVERSION
7455        KM   INDIAN SCHOOL & 51ST
7456        KM   22% West & 78% South
7457        KM   DIVERSION SOUTH
7458        KM   EXISTING STORM DRAIN ALONG 51ST AVENUE
7459        KM   CAP= 207 CFS SOUTH
7460        DT   D51IS
7461        DI       0    207.  10207.
7462        DQ       0    207.   8007.

7463        KK   RIS4
7464        KM   STREET ROUTE
7465        KM   WEST
7466        KM   INDIAN SCHOOL
7467        RS       4    FLOW     -1.
7468        RC    0.02   0.016    0.02   2710.  0.0016
7469        RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
7470        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
```



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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

7471        KK   SCB2S
7472        KM   RETRIEVAL OF STREET CAPACITY DIVERSION
7473        KM   CAMELBACK
7474        DR   SCB2S

7475        KK  R2022S
7476        KM   SUB-BASIN STREET ROUTE
7477        KM   SOUTH
7478        KM   RW= 220'
7479        KM   PAV= 148'
7480        RS       6    FLOW     -1.
7481        RC    0.02   0.016    0.02   5340.  0.0031
7482        RX       0     0.1    36.0    46.0   174.0   184.0    220.   220.1
7483        RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

7484        KK   20-22
7485        KM   SUB-BASIN 20-22
7486        KM   6-HOUR RAINFALL, PATTERN NO. 1.41 WAS USED TO FIND TC & R FOR THIS BASIN
7487        KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .987
7488        KM     L = 1.42  Kb = .069  Adj. Slope =   12.0
7489        BA   1.014
7490        LG    .220    .250   5.300    .300  40.000
7491        UC   1.500    .762
7492        UA       0       5      16      30      65      77      84      90      94      97
7493        UA     100
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7499        KK  R2022W
7500        KM   SUB-BASIN STREET ROUTE
7501        KM   WEST
7502        KM   RW= 120'
7503        KM   PAV= 78'
7504        RS      8     FLOW     -1.
7505        RC   0.02    0.016    0.02   5400.  0.0017
7506        RX      0      0.1    21.0    31.0    89.0    99.0    120.   120.1
            RY    4.0      0.0     0.0     0.0     0.0     0.0     0.0     4.0
7507
7508        KK  C20-22
7509        KM   SUB-BASIN COMBINE
            HC      3     20.5
7510
7511        KK  D2022S
7512        KM   SUB-BASIN DIVERSION
7513        KM   SUB-BASIN 20-22
7514        KM   39% West & 61% South
7515        DT  D2022W
1           DI
7516        DQ      0   10000.
                    0    3900.
LINE
            ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10
7517
7518        KK   CIS2
7519        KM   EAST/WEST STREET COMBINE
7520        KM   INDIAN SCHOOL
            HC      2     24.5
7521
7522        KK   SIS3W
7523        KM   CASE 2
7524        KM   STREET CAPACITY DIVERSION
7525        KM   INDIAN SCHOOL
7526        KM   DIVERSION TO SOUTH
7527        KM   STORM DRAIN ALONG INDIAN SCHOOL
7528        KM   CAP=  61.0 CFS WEST
7529        DT   SIS3S
7530        DI
            DQ      0    134.    221.   2044.   3408.
7531                0     42.    116.   1492.   2506.
7532        KK   RIS5
7533        KM   STREET ROUTE
7534        KM   WEST
7535        KM   INDIAN SCHOOL
7536        RS      4     FLOW     -1.
7537        RC   0.02    0.016    0.02   2680.  0.0019
7538        RX   44.9     45.     66.     66.1    134.    134.1    155.   155.1
            RY    4.3      0.3     0.3     0.0     0.0     0.3     0.3     4.3
7539
7540        KK   D59CB
7541        KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
7542        KM   59TH & CAMELBACK
            DR   D59CB
7543
7544        KK   R59L
7545        KM   STREET ROUTE
7546        KM   SOUTH
7547        KM   59TH Avenue
            RS      3     FLOW     -1.
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7548          RC    0.02   0.016    0.02   2660.  0.0032
7549          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
7550          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

7551          KK  D2022W
7552          KM   RETRIEVAL OF SUB-BASIN DIVERSION
7553          KM   SUB-BASIN 20-22
7554          DR  D2022W

7555          KK   C59F
7556          KM   NORTH/SOUTH STREET COMBINE
7557          KM   59TH AVENUE
7558          HC       2    20.5
1                                        HEC-1 INPUT                                                    PAGE168

LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


7559          KK   S59GS
7560          KM   STREET CAPACITY DIVERSION
7561          KM   59TH
7562          KM   DIVERSION TO WEST
7563          KM   STORM DRAIN ALONG 59TH AVE
7564          KM   CAP=  60.0 CFS SOUTH
7565          DT   S59GW
7566          DI       0     93.    141.   1540.   2602.
7567          DQ       0     0.1     40.    918.   1584.

7568          KK   R59M
7569          KM   STREET ROUTE
7570          KM   SOUTH
7571          KM   59TH Avenue
7572          RS       3    FLOW     -1.
7573          RC    0.02   0.016    0.02   2630.  0.0028
7574          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
7575          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

7576          KK   CIS59
7577          KM   INTERSECTION COMBINE
7578          KM   INDIAN SCHOOL & 59TH
7579          HC       2    24.5

7580          KK   DIS59
7581          KM   STREET INTERSECTION DIVERSION
7582          KM   INDIAN SCHOOL & 59TH
7583          KM   39% West & 61% South
7584          KM   DIVERSION SOUTH
7585          KM   EXISTING STORM DRAIN ALONG 59TH AVENUE
7586          KM   CAP= 359 CFS SOUTH
7587          DT   D59IS
7588          DI       0    359.  10359.
7589          DQ       0    359.   6459.

7590          KK   RIS6
7591          KM   STREET ROUTE
7592          KM   WEST
7593          KM   INDIAN SCHOOL
7594          RS       1    FLOW     -1.
7595          RC    0.02   0.016    0.02   1420.  0.0059
7596          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
7597          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

7598          KK   SCB3S
7599          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
7600          KM   CAMELBACK
7601          DR   SCB3S
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

7602          KK  R1922S
7603          KM   SUB-BASIN STREET ROUTE
7604          KM   SOUTH
7605          KM   RW= 270'
7606          KM   PAV= 183'
7607          RS       6    FLOW     -1.
7608          RC    0.02   0.016    0.02   5320.  0.0025
7609          RX       0     0.1    43.5    53.5   216.5   226.5    270.   270.1
7610          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

7611          KK   19-22
7612          KM   SUB-BASIN 19-22
7613          KM   6-HOUR RAINFALL, PATTERN NO. 1.37 WAS USED TO FIND TC & R FOR THIS BASIN
7614          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .988
7615          KM     L = 1.31  Kb = .076  Adj. Slope =   17.0
7616          BA    .939
7617          LG    .230    .160   7.300    .140  27.000
7618          UC   1.500    .747
7619          UA       0       5      16      30      65      77      84      90      94      97
7620          UA     100

7621          KK    PAGC        STORAGE ROUTING IN GOLF COURSE
7622          KM    PONDING AREA IN THE GOLF COURSE AT 59TH AVE & INDIAN SCHOOL
7623          KM    DATA BASED ON HEC-1 BY CVL(4/96) FOR FCD 93-34
7624          KM    SEE CVL COMPUTATION SHEETS IN APPENDIX E
7625          RS       1    FLOW     -1
7626          SV       0    1.93    5.25    9.27   14.63   20.86   28.00      32
7627          SE    1100    1101    1102    1103    1104    1105    1106  1106.5
7628          SQ       0       0       0       0       0     477    2326    3000

7629          KK   S59GW
7630          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
7631          KM   59TH
7632          DR   S59GW

7633          KK  R1922W
7634          KM   SUB-BASIN STREET ROUTE
7635          KM   WEST
7636          KM   RW= 220'
7637          KM   PAV= 148'
7638          RS       6    FLOW     -1.
7639          RC    0.02   0.016    0.02   5170.  0.0027
7640          RX       0     0.1    36.0    46.0   174.0   184.0    220.   220.1
7641          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

7642          KK  C19-22
7643          KM   SUB-BASIN COMBINE
7644          HC       3    28.7
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

7645          KK  D1922S
7646          KM   SUB-BASIN DIVERSION
7647          KM   SUB-BASIN 19-22
7648          KM   44% West & 56% South
7649          DT  D1922W
7650          DI       0  10000.
7651          DQ       0   4400.
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7652          KK   CIS3
7653          KM   EAST/WEST STREET COMBINE
7654          KM   INDIAN SCHOOL
7655          HC       2    32.7

7656          KK   SIS4W
7657          KM   STREET CAPACITY DIVERSION
7658          KM   INDIAN SCHOOL
7659          KM   DIVERSION TO SOUTH
7660          KM   STORM DRAIN ALONG INDIAN SCHOOL
7661          KM   CAP= 26. CFS WEST
7662          DT   SIS4S
7663          DI       0     26.  10026.
7664          DQ       0     0.1  10000.

7665          KK   D67CB
7666          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
7667          KM   67TH & CAMELBACK
7668          DR   D67CB

7669          KK   R67N
7670          KM   STREET ROUTE
7671          KM   SOUTH
7672          KM   67TH Avenue
7673          RS       3    FLOW     -1.
7674          RC    0.02   0.016    0.02   2680.  0.0036
7675          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
7676          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

7677          KK  D1922W
7678          KM   RETRIEVAL OF SUB-BASIN DIVERSION
7679          KM   SUB-BASIN 19-22
7680          DR  D1922W

7681          KK   C67G
7682          KM   NORTH/SOUTH STREET COMBINE
7683          KM   67TH AVENUE
7684          HC       2    28.7

7685          KK   S67HS
7686          KM   STREET CAPACITY DIVERSION
7687          KM   SPECIAL CASE
7688          KM   100% WEST & 0% SOUTH DUE TO GRAND CANAL
7689          KM   DIVERSION TO WEST
7690          DT   S67HW
7691          DI       0  10000.
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

7692          DQ       0  10000.

7693          KK   CIS67
7694          KM   INTERSECTION COMBINE
7695          KM   67TH & INDIAN SCHOOL
7696          HC       2    28.7

7697          KK   DIS67
7698          KM   INTERSECTION DIVERSION
7699          KM   SPECIAL CASE
7700          KM   EXISTING STORM DRAIN SYSTEM ALONG 67TH AVENUE
7701          KM   THIS INTERSECTION DOES NOT HAVE A SURFACE DRAINAGE AREA
7702          KM   100% OF THE FLOW DIVERTED SOUTH
7703          KM   DIVERSION SOUTH
7704          KM   STORM DRAIN ALONG 59TH AVE
7705          KM   CAP= 174.0 CFS SOUTH
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7706          DT   D67IS
7707          DI       0  10000.
7708          DQ       0  10000.

7709          KK   S67HW
7710          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
7711          KM   67TH
7712          DR   S67HW

7713          KK  R2421W
7714          KM   SUB-BASIN STREET ROUTE
7715          KM   WEST
7716          KM   RW= 370'
7717          KM   PAV= 253'
7718          RS      12    FLOW     -1.
7719          RC    0.02   0.016    0.02   5790.  0.0008
7720          RX       0     0.1    58.5    68.5   301.5   311.5    370.   370.1
7721          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

7722          KK  24-21N
7723          KM   SUB-BASIN 24-21N
7724          KM   6-HOUR RAINFALL, PATTERN NO. 1.00 WAS USED TO FIND TC & R FOR THIS BASIN
7725          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .995
7726          KM     L =  .76  Kb = .084  Adj. Slope =   20.0
7727          BA    .413
7728          LG    .240    .150   8.000    .100  32.000
7729          UC   1.017    .501
7730          UA       0       5      16      30      65      77      84      90      94      97
7731          UA     100

7732          KK   SCB4S
7733          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
7734          KM   CAMELBACK
7735          DR   SCB4S
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

7736          KK  R2421S
7737          KM   SUB-BASIN STREET ROUTE
7738          KM   SOUTH
7739          KM   RW= 70'
7740          KM   PAV= 43'
7741          RS       5    FLOW     -1.
7742          RC    0.02   0.016    0.02   3800.  0.0018
7743          RX       0     0.1    13.5    23.5    46.5    56.5     70.    70.1
7744          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

7745          KK  C2421N
7746          KM   SUB-BASIN COMBINE
7747          HC       3  40.904

7748          KK  RES24N
7749          KM   PONDING AREA RESERVOIR ROUTE
7750          KM   PONDING AREA NORTHEAST OF GRAND CANAL EMBANKMENT
7751          KM   FLOW OVERTOPS THE GRAND CANAL TO THE SOUTH
7752          KM   SUB-BASIN 24-21N
7753          RS       1    ELEV   1092.
7754          SV       0   14.23   83.84  148.04  186.14  228.25
7755          SE   1092.   1094.   1096.   1097.  1097.5   1098.
7756          SQ      0.     0.1     0.2     0.3    317.   1958.

7757          KK  24-21S
7758          KM   SUB-BASIN 24-21S
7759          KM   6-HOUR RAINFALL, PATTERN NO. 1.12 WAS USED TO FIND TC & R FOR THIS BASIN
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K&T 4PRINT

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7760        KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .992
7761        KM     L =  .53  Kb = .068  Adj. Slope =   12.0
7762        BA    .612
7763        LG    .220    .160   7.600    .110  39.000
7764        UC    .842    .243
7765        UA       0       5      16      30      65      77      84      90      94      97
7766        UA     100

7767        KK  C2421S
7768        KM   SUB-BASIN COMBINE
7769        HC       2   41.52

7770        KK  D2421S
7771        KM   SUB-BASIN DIVERSION
7772        KM   SUB-BASIN 24-21S
7773        KM   21% West & 79% South
7774        DT  D2421W
7775        DI       0  10000.
7776        DQ       0   2100.

7777        KK    CIS5
7778        KM   EAST/WEST STREET COMBINE
7779        HC       2  41.516
1                                        HEC-1 INPUT                                          PAGE173

LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


7780        KK   SIS5W
7781        KM   STREET CAPACITY DIVERSION
7782        KM   INDIAN SCHOOL
7783        KM   DIVERSION TO SOUTH
7784        DT   SIS5S
7785        DI       0     30.     62.   1071.   1837.
7786        DQ       0     0.1     24.    565.    975.

7787        KK    RIS8
7788        KM   STREET ROUTE
7789        KM   WEST
7790        KM   INDIAN SCHOOL
7791        RS       3    FLOW     -1.
7792        RC    0.02   0.016    0.02   2650.  0.0024
7793        RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
7794        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

7795        KK   D75CB
7796        KM   RETRIEVAL OF INTERSECTION DIVERSION
7797        DR   D75CB

7798        KK  D2421W
7799        KM   RETRIEVAL OF SUB-BASIN DIVERSION
7800        KM   SUB-BASIN 24-21S
7801        DR  D2421W

7802        KK   C75F1
7803        KM   NORTH/SOUTH STREET COMBINE
7804        KM   75TH AVENUE
7805        HC       2   41.52

7806        KK   S75IS
7807        KM   STREET CAPACITY DIVERSION
7808        KM   75TH AVENUE
7809        KM   DIVERSION TO WEST
7810        DT   S75IW
7811        DI       0     35.     83.   1498.   2573.
7812        DQ       0     0.1     40.    918.   1584.
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7813          KK    R750
7814          KM   STREET ROUTE
7815          KM   SOUTH
7816          KM   75TH Avenue
7817          RS       3    FLOW     -1.
7818          RC    0.02   0.016    0.02   2610.  0.0036
7819          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
7820          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

7821          KK   CIS75
7822          KM   INTERSECTION COMBINE
7823          KM   INDIAN SCHOOL & 75TH
7824          HC       2  41.516
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

7825          KK   DIS75
7826          KM   STREET INTERSECTION DIVERSION
7827          KM   INDIAN SCHOOL & 75TH
7828          KM   27% West & 73% South
7829          KM   DIVERSION SOUTH
7830          KM   STORM DRAIN ALONG 75TH AVE
7831          KM   CAP= 161.0 CFS SOUTH
7832          KM   STORM DRAIN ALONG INDIAN SCHOOL
7833          KM   CAP=  11.0 CFS WEST
7834          DT   D75IS
7835          DI       0    172.  10172.
7836          DQ       0    161.   7461.

7837          KK    RIS9
7838          KM   STREET ROUTE
7839          KM   WEST
7840          KM   INDIAN SCHOOL
7841          RS       3    FLOW     -1.
7842          RC    0.02   0.016    0.02   2520.  0.0027
7843          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
7844          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

7845          KK   SCB5S
7846          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
7847          KM   CAMELBACK
7848          DR   SCB5S

7849          KK  R2321S
7850          KM   SUB-BASIN STREET ROUTE
7851          KM   SOUTH
7852          KM   RW= 220'
7853          KM   PAV= 148'
7854          RS       5    FLOW     -1.
7855          RC    0.02   0.016    0.02   5010.  0.0030
7856          RX       0     0.1    36.0    46.0   174.0   184.0    220.   220.1
7857          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

7858          KK   23-21
7859          KM   SUB-BASIN 23-21
7860          KM   6-HOUR RAINFALL, PATTERN NO. 1.39 WAS USED TO FIND TC & R FOR THIS BASIN
7861          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .987
7862          KM     L = 1.26  Kb = .073  Adj. Slope =   18.0
7863          BA    .986
7864          LG    .240    .180   6.800    .160  33.000
7865          UC   1.500    .704
7866          UA       0       5      16      30      65      77      84      90      94      97
7867          UA     100
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7868          KK   S75IW
7869          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
7870          KM   75TH
7871          DR   S75IW
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

7872          KK  R2321W
7873          KM   SUB-BASIN STREET ROUTE
7874          KM   WEST
7875          KM   RW= 470'
7876          KM   PAV= 323'
7877          RS       5    FLOW     -1.
7878          RC    0.02   0.016    0.02   5030.  0.0032
7879          RX       0     0.1    73.5    83.5   386.5   396.5    470.   470.1
7880          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

7881          KK  C23-21
7882          KM   SUB-BASIN COMBINE
7883          HC       3  47.020

7884          KK  D2321S
7885          KM   SUB-BASIN DIVERSION
7886          KM   SUB-BASIN 23-21
7887          KM   43% West & 57% South
7888          DT  D2321W
7889          DI       0  10000.
7890          DQ       0   4300.

7891          KK    CIS6
7892          KM   EAST/WEST STREET COMBINE
7893          HC       2  47.020

7894          KK   SIS6W
7895          KM   STREET CAPACITY DIVERSION
7896          KM   INDIAN SCHOOL
7897          KM   DIVERSION TO SOUTH
7898          KM   STORM DRAIN ALONG INDIAN SCHOOL ROAD
7899          KM   CAP=  37.0 CFS WEST
7900          DT   SIS6S
7901          DI       0     70.    140.   2034.   3472.
7902          DQ       0     0.1     62.   1447.   2497.

7903          KK   RIS10
7904          KM   STREET ROUTE
7905          KM   WEST
7906          KM   INDIAN SCHOOL
7907          RS       3    FLOW     -1.
7908          RC    0.02   0.016    0.02   2760.  0.0030
7909          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
7910          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

7911          KK   D83CB
7912          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
7913          KM   83RD & CAMELBACK
7914          DR   D83CB
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

7915          KK    R83N
7916          KM   STREET ROUTE
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7917          KM   SOUTH
7918          KM   83RD Avenue
7919          RS       3    FLOW     -1.
7920          RC    0.02   0.016    0.02   2650.  0.0022
7921          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
7922          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

7923          KK  D2321W
7924          KM   RETRIEVAL OF SUB-BASIN DIVERSION
7925          KM   SUB-BASIN 23-21
7926          DR  D2321W

7927          KK    C83G
7928          KM   NORTH/SOUTH STREET COMBINE
7929          KM   83RD AVENUE
7930          HC       2  47.020

7931          KK   S83HS
7932          KM   STREET CAPACITY DIVERSION
7933          KM   83RD
7934          KM   DIVERSION TO WEST
7935          DT   S83HW
7936          DI       0     29.    1 52    846.   1449.
7937          DQ       0     0.1     15.    353.    609.

7938          KK    R83O
7939          KM   STREET ROUTE
7940          KM   SOUTH
7941          KM   83RD Avenue
7942          RS       3    FLOW     -1.
7943          RC    0.02   0.016    0.02   2680.  0.0025
7944          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
7945          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

7946          KK   CIS83
7947          KM   INTERSECTION COMBINE
7948          KM   INDIAN SCHOOL & 83RD
7949          HC       2  47.020

7950          KK   DIS83
7951          KM   STREET INTERSECTION DIVERSION
7952          KM   INDIAN SCHOOL & 83RD
7953          KM   66% West & 34% South
7954          KM   DIVERSION SOUTH
7955          KM   STORM DRAIN ALONG 83RD AVE
7956          KM   CAP= 199.0 CFS SOUTH
7957          DT   D83IS
7958          DI       0    199.  10199.
7959          DQ       0    199.   3599.
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

7960          KK   RIS11
7961          KM   STREET ROUTE
7962          KM   WEST
7963          KM   INDIAN SCHOOL
7964          RS       3    FLOW     -1.
7965          RC    0.02   0.016    0.02   2670.  0.0030
7966          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
7967          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

7968          KK   SCB6S
7969          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
7970          KM   CAMELBACK
```

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7971          DR   SCB6S

7972          KK  R2221S
7973          KM   SUB-BASIN STREET ROUTE
7974          KM   SOUTH
7975          KM   RW= 120'
7976          KM   PAV= 78'
7977          RS       8    FLOW     -1.
7978          RC    0.02   0.016    0.02   5290.  0.0016
7979          RX       0     0.1    21.0    31.0    89.0    99.0    120.   120.1
7980          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

7981          KK   22-21
7982          KM   SUB-BASIN 22-21
7983          KM   6-HOUR RAINFALL, PATTERN NO. 1.40 WAS USED TO FIND TC & R FOR THIS BASIN
7984          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .987
7985          KM     L = 1.42  Kb = .073  Adj. Slope =   16.0
7986          BA   1.001
7987          LG    .310    .160   9.700    .060  24.000
7988          UC   1.500    .768
7989          UA       0       5      16      30      65      77      84      90      94      97
7990          UA     100

7991          KK   S83HW
7992          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
7993          KM   83RD
7994          DR   S83HW

7995          KK  R2221W
7996          KM   SUB-BASIN STREET ROUTE
7997          KM   WEST
7998          KM   RW= 70'
7999          KM   PAV= 43'
8000          RS       5    FLOW     -1.
8001          RC    0.02   0.016    0.02   5260.  0.0037
8002          RX       0     0.1    13.5    23.5    46.5    56.5     70.    70.1
8003          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

8004          KK  C22-21
8005          KM   SUB-BASIN COMBINE
8006          HC       3  55.235

8007          KK  D2221S
8008          KM   SUB-BASIN DIVERSION
8009          KM   SUB-BASIN 22-21
8010          KM   57% West & 43% South
8011          DT  D2221W
8012          DI       0  10000.
8013          DQ       0   5700.

8014          KK    CIS7
8015          KM   EAST/WEST STREET COMBINE
8016          KM   INDIAN SCHOOL
8017          HC       2  55.235

8018          KK   SIS7W
8019          KM   STREET CAPACITY DIVERSION
8020          KM   INDIAN SCHOOL
8021          KM   DIVERSION TO SOUTH
8022          KM   STORM DRAIN ALONG INDIAN SCHOOL ROAD
8023          KM   CAP=  33.0 CFS WEST
8024          DT   SIS7S
```

```
8025        DI      0     66.    107.   1333.   2265.
8026        DQ      0     0.1     32.    741.   1279.

8027        KK   RIS12
8028        KM   STREET ROUTE
8029        KM   WEST
8030        KM   INDIAN SCHOOL
8031        RS      3    FLOW     -1.
8032        RC   0.02   0.016    0.02   2640.  0.0030
8033        RX   44.9     45.     66.    66.1    134.   134.1    155.   155.1
8034        RY    4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

8035        KK   D91CB
8036        KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
8037        KM   91ST & CAMELBACK
8038        DR   D91CB

8039        KK    R91K
8040        KM   STREET ROUTE
8041        KM   SOUTH
8042        KM   91ST Avenue
8043        RS      3    FLOW     -1.
8044        RC   0.02   0.016    0.02   2680.  0.0022
8045        RX   44.9     45.     66.    66.1    134.   134.1    155.   155.1
8046        RY    4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
1                                        HEC-1 INPUT                                                    PAGE179

LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


8047        KK  D2221W
8048        KM   RETRIEVAL OF SUB-BASIN DIVERSION
8049        KM   SUB-BASIN 22-21
8050        DR  D2221W

8051        KK    C91F
8052        KM   NORTH/SOUTH STREET COMBINE
8053        KM   91ST AVENUE
8054        HC      2  55.235

8055        KK   S91FS
8056        KM   STREET CAPACITY DIVERSION
8057        KM   91ST
8058        KM   DIVERSION TO WEST
8059        DT   S91FW
8060        DI      0     25.     54.    954.   1638.
8061        DQ      0     0.1     23.    530.    914.

8062        KK    R91L
8063        KM   STREET ROUTE
8064        KM   SOUTH
8065        KM   91ST Avenue
8066        RS      4    FLOW     -1.
8067        RC   0.02   0.016    0.02   2640.  0.0012
8068        RX   44.9     45.     66.    66.1    134.   134.1    155.   155.1
8069        RY    4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

8070        KK   CIS91
8071        KM   INTERSECTION COMBINE
8072        KM   INDIAN SCHOOL & 91ST
8073        HC      2  55.235

8074        KK   DIS91
8075        KM   STREET INTERSECTION DIVERSION
8076        KM   INDIAN SCHOOL & 91ST
8077        KM   80% West & 20% South
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1C/14PRINT

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8078          KM   DIVERSION SOUTH
8079          KM   STORM DRAIN ALONG 91ST AVE
8080          KM   CAP= 162.0 CFS SOUTH
8081          DT   D91IS
8082          DI       0    162.  10162.
8083          DQ       0    162.   2162.

8084          KK   RIS13
8085          KM   STREET ROUTE
8086          KM   WEST
8087          KM   INDIAN SCHOOL
8088          RS       3    FLOW     -1.
8089          RC    0.02   0.016    0.02   2670.  0.0034
8090          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
8091          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
1                                          HEC-1 INPUT                                                    PAGE180

LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


8092          KK   SCB7S
8093          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
8094          KM   CAMELBACK
8095          DR   SCB7S

8096          KK  R2121S
8097          KM   SUB-BASIN STREET ROUTE
8098          KM   SOUTH
8099          KM   RW= 100'
8100          KM   PAV= 70'
8101          RS       7    FLOW     -1.
8102          RC    0.02   0.016    0.02   5310.  0.0019
8103          RX       0     0.1    15.0    25.0    75.0    85.0    100.   100.1
8104          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

8105          KK   21-21
8106          KM   SUB-BASIN 21-21
8107          KM   6-HOUR RAINFALL, PATTERN NO. 1.41 WAS USED TO FIND TC & R FOR THIS BASIN
8108          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .987
8109          KM     L = 1.24  Kb = .079  Adj. Slope =   14.0
8110          BA   1.007
8111          LG    .500    .150   9.700    .070    .000
8112          UC   1.500    .687
8113          UA       0       5      16      30      65      77      84      90      94      97
8114          UA     100

8115          KK   S91FW
8116          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
8117          KM   91ST
8118          DR   S91FW

8119          KK  R2121W
8120          KM   SUB-BASIN STREET ROUTE
8121          KM   WEST
8122          KM   RW= 150'
8123          KM   PAV= 105'
8124          RS       6    FLOW     -1.
8125          RC    0.02   0.016    0.02   5050.  0.0027
8126          RX       0     0.1    22.5    32.5   117.5   127.5    150.   150.1
8127          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

8128          KK  C21-21
8129          KM   SUB-BASIN COMBINE
8130          HC       3  59.105

8131          KK  D2121S
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8132          KM   SUB-BASIN DIVERSION
8133          KM   SUB-BASIN 21-21
8134          KM   53% West & 47% South
8135          DT  D2121W
8136          DI       0  10000.
8137          DQ       0   5300.
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

8138          KK    CIS8
8139          KM   EAST/WEST STREET COMBINE
8140          HC       2  59.105

8141          KK   SIS8W
8142          KM   STREET CAPACITY DIVERSION
8143          KM   INDIAN SCHOOL
8144          KM   DIVERSION TO SOUTH
8145          DT   SIS8S
8146          DI       0     33.     56.    906.   1552.
8147          DQ       0     0.1     15.    353.    609.

8148          KK   RIS14
8149          KM   STREET ROUTE
8150          KM   WEST
8151          KM   INDIAN SCHOOL
8152          RS       3    FLOW     -1.
8153          RC    0.02   0.016    0.02   2620.  0.00224
8154          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
8155          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

8156          KK   D99CB
8157          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
8158          KM   99TH & CAMELBACK
8159          DR   D99CB

8160          KK    R99F
8161          KM   STREET ROUTE
8162          KM   SOUTH
8163          KM   99TH Avenue
8164          RS       4    FLOW     -1.
8165          RC    0.02   0.016    0.02   2660.  0.0019
8166          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
8167          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

8168          KK  D2121W
8169          KM   RETRIEVAL OF SUB-BASIN DIVERSION
8170          KM   SUB-BASIN 21-21
8171          DR  D2121W

8172          KK    C99C
8173          KM   NORTH/SOUTH STREET COMBINE
8174          KM   99TH AVENUE
8175          HC       2  59.105

8176          KK   S99CS
8177          KM   STREET CAPACITY DIVERSION
8178          KM   99TH
8179          KM   DIVERSION TO WEST
8180          DT   S99CW
8181          DI       0     26.     48.    797.   1367.
8182          DQ       0     0.1     15.    353.    609.
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10
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K/L 4PRINT

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8183          KK    R99G
8184          KM   STREET ROUTE
8185          KM   SOUTH
8186          KM   99TH Avenue
8187          RS       4    FLOW     -1.
8188          RC    0.02   0.016    0.02   2680.  0.0019
8189          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
8190          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

8191          KK   CIS99
8192          KM   INTERSECTION COMBINE
8193          KM   INDIAN SCHOOL & 99TH
8194          HC       2  59.105

8195          KK   DIS99
8196          KM   STREET INTERSECTION DIVERSION
8197          KM   INDIAN SCHOOL & 99TH
8198          KM   78% West & 22% South
8199          DT   D99IS
8200          DI       0  10000.
8201          DQ       0   2200.

8202          KK   RIS15
8203          KM   STREET ROUTE
8204          KM   WEST
8205          KM   INDIAN SCHOOL
8206          RS       3    FLOW     -1.
8207          RC    0.02   0.016    0.02   2640.  0.0024
8208          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
8209          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

8210          KK   SCB8S
8211          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
8212          KM   CAMELBACK
8213          DR   SCB8S

8214          KK  R2021S
8215          KM   SUB-BASIN STREET ROUTE
8216          KM   SOUTH
8217          KM   RW= 120'
8218          KM   PAV= 78'
8219          RS       7    FLOW     -1.
8220          RC    0.02   0.016    0.02   5800.  0.0021
8221          RX       0     0.1    21.0    31.0    89.0    99.0    120.   120.1
8222          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

8223          KK   20-21
8224          KM   SUB-BASIN 20-21
8225          KM   6-HOUR RAINFALL, PATTERN NO. 1.41 WAS USED TO FIND TC & R FOR THIS BASIN
8226          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .987
8227          KM     L = 1.59  Kb = .070  Adj. Slope =    9.0
8228          BA   1.022
8229          LG    .270    .170   8.000    .110  24.000
8230          UC   1.500    .831
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

8231          UA       0       5      16      30      65      77      84      90      94      97
8232          UA     100

8233          KK   RET20
8234          KM   RETENTION BASIN DIVERSION
8235          KM   SUB-BASIN 20-21
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8236        KM   66% OF SUB-BASIN DRAINS TO RETENTION BASIN
8237        DT  D2021R   30.53
8238        DI       0  10000.
8239        DQ       0   6600.

8240        KK   S99CW
8241        KM   RETRIEVAL OF STREET CAPACITY DIVERSION
8242        KM   99TH
8243        DR   S99CW

8244        KK  R2021W
8245        KM   SUB-BASIN STREET ROUTE
8246        KM   WEST
8247        KM   RW= 120'
8248        KM   PAV= 78'
8249        RS       8    FLOW     -1.
8250        RC    0.02   0.016    0.02   6000.  0.0020
8251        RX       0     0.1    21.0    31.0    89.0    99.0    120.   120.1
8252        RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

8253        KK  C20-21
8254        KM   SUB-BASIN COMBINE
8255        HC       3  60.827

8256        KK  D2021S
8257        KM   SUB-BASIN DIVERSION
8258        KM   SUB-BASIN 20-21
8259        KM   27% West & 73% South
8260        DT  D2021W
8261        DI       0  10000.
8262        DQ       0   2700.

8263        KK    CIS9
8264        KM   EAST/WEST STREET COMBINE
8265        HC       2  60.827

8266        KK   SIS9W
8267        KM   STREET CAPACITY DIVERSION
8268        KM   INDIAN SCHOOL
8269        KM   DIVERSION TO SOUTH
8270        DT   SIS9S
8271        DI       0     28.     42.    642.   1099.
8272        DQ       0     0.1      8.    177.    305.
```



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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

8273        KK   RIS16
8274        KM   STREET ROUTE
8275        KM   WEST
8276        KM   INDIAN SCHOOL
8277        RS       4    FLOW     -1.
8278        RC    0.02   0.016    0.02   2800.  0.0018
8279        RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
8280        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

8281        KK  D107CB
8282        KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
8283        KM   107TH & CAMELBACK
8284        DR  D107CB

8285        KK   R107A
8286        KM   STREET ROUTE
8287        KM   SOUTH
8288        KM   107TH Avenue
```

```
8289          RS       3    FLOW     -1.
8290          RC    0.02   0.016    0.02   2660.  0.0033
8291          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
8292          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

8293          KK  D2021W
8294          KM   RETRIEVAL OF SUB-BASIN DIVERSION
8295          KM   SUB-BASIN 20-21
8296          DR  D2021W

8297          KK   C107A
8298          KM   NORTH/SOUTH STREET COMBINE
8299          KM   107TH AVENUE
8300          HC       2  60.827

8301          KK  S107AS
8302          KM   STREET CAPACITY DIVERSION
8303          KM   107TH
8304          KM   DIVERSION TO WEST
8305          DT  S107AW
8306          DI       0     31.     56.    917.   1572.
8307          DQ       0     0.1     17.    388.    670.

8308          KK   R107B
8309          KM   STREET ROUTE
8310          KM   SOUTH
8311          KM   107TH Avenue
8312          RS       3    FLOW     -1.
8313          RC    0.02   0.016    0.02   2640.  0.0020
8314          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
8315          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
1                                          HEC-1 INPUT                                                    PAGE185

LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


8316          KK  CIS107
8317          KM   INTERSECTION COMBINE
8318          KM   INDIAN SCHOOL & 107TH
8319          HC       2  60.827

8320          KK  DIS107
8321          KM   STREET INTERSECTION DIVERSION
8322          KM   INDIAN SCHOOL & 107TH
8323          KM   33% West & 67% South
8324          DT  D107IS
8325          DI       0  10000.
8326          DQ       0   6700.

8327          KK   RIS17
8328          KM   STREET ROUTE
8329          KM   WEST
8330          KM   INDIAN SCHOOL
8331          RS       4    FLOW     -1.
8332          RC    0.02   0.016    0.02   2560.  0.0014
8333          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
8334          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

8335          KK   19-21
8336          KM   SUB-BASIN 19-21
8337          KM   6-HOUR RAINFALL, PATTERN NO. 1.32 WAS USED TO FIND TC & R FOR THIS BASIN
8338          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .989
8339          KM    L = 1.33  Kb = .070  Adj. Slope =   26.0
8340          BA    .872
8341          LG    .390    .260   5.100    .360  10.000
8342          UC   1.500    .788
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8343        UA      0      5     16     30     65     77     84     90     94     97
8344        UA    100

8345        KK  S107AW
8346        KM   RETRIEVAL OF STREET CAPACITY DIVERSION
8347        KM   107TH
8348        DR  S107AW

8349        KK  R1921W
8350        KM   SUB-BASIN STREET ROUTE
8351        KM   WEST
8352        KM   RW= 120'
8353        KM   PAV= 78'
8354        RS      2    FLOW     -1.
8355        RC   0.02   0.016    0.02   2640.  0.0039
8356        RX      0     0.1    21.0    31.0    89.0    99.0    120.   120.1
8357        RY    4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

8358        KK  C19-21
8359        KM   SUB-BASIN COMBINE
8360        HC      2  61.700
1                                   HEC-1 INPUT                                    PAGE186

LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


8361        KK  D1921S
8362        KM   SUB-BASIN DIVERSION
8363        KM   SUB-BASIN 19-21
8364        KM   72% West & 28% South
8365        DT  D1921W
8366        DI      0  10000.
8367        DQ      0   7200.

8368        KK   CIS10
8369        KM   EAST/WEST STREET COMBINE
8370        HC      2  61.700

8371        KK   RIS18
8372        KM   STREET ROUTE
8373        KM   WEST
8374        KM   INDIAN SCHOOL
8375        RS      4    FLOW     -1.
8376        RC   0.02   0.016    0.02   2500.  0.0011
8377        RX   44.9     45.     66.    66.1    134.   134.1    155.   155.1
8378        RY    4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

8379        KK  D1921W
8380        KM   RETRIEVE SUB-BASIN DIVERSION
8381        DR  D1921W

8382        KK   NULL7
8383        KM   NULL COMBINE: NULL6 + RIS18 + D1921W
8384        HC      3      1.
            *
            *
            * THOMAS ROAD COMPUTATION PATH NORTH OF GRAND CANAL
            *

8385        KK   D35IS
8386        KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
8387        KM   35TH & INDIAN SCHOOL
8388        DR   D35IS

8389        KK   RGR8
8390        KM   STREET ROUTE
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1C/14PRINT

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8391          KM   EAST
8392          KM   GRAND AVENUE
8393          KM   RW= 93'
8394          KM   PAV= 88'
8395          RS       7    FLOW     -1.
8396          RC    0.02   0.016    0.02   4000.  0.0012
8397          RX       0     0.1     2.5    12.5    80.5    90.5     93.    93.1
8398          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

8399          KK   D271S
8400          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
8401          KM   27TH & INDIAN SCHOOL
8402          DR   D271S

8403          KK   R27F
8404          KM   STREET ROUTE
8405          KM   SOUTH
8406          KM   27TH Avenue
8407          RS       2    FLOW     -1.
8408          RC    0.02   0.016    0.02   1740.  0.0027
8409          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
8410          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

8411          KK  26-22N
8412          KM   SUB-BASIN 26-22N
8413          KM   6-HOUR RAINFALL, PATTERN NO. 1.00 WAS USED TO FIND TC & R FOR THIS BASIN
8414          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .995
8415          KM     L =  .57  Kb = .030  Adj. Slope =   15.0
8416          BA    .380
8417          LG    .150    .240   5.100    .340  58.000
8418          UC    .446    .167
8419          UA       0       5      16      30      65      77      84      90      94      97
8420          UA     100

8421          KK  SD31CS
8422          KM   RETRIEVAL OF STORM DRAIN DIVERSION
8423          KM   EXISTING STORM DRAIN ALONG 31ST AVENUE
8424          KM   CAP= 251 CFS SOUTH
8425          DR  SD31CS

8426          KK  C2622N
8427          KM   SUB-BASIN COMBINE
8428          KM   THIS COMBINE INCLUDES THE FLOW IN THE 27TH & 31ST AVENUE STORM DRAINS
8429          HC       4  16.649

8430          KK  SD31D
8431          KM   STORM DRAIN DIVERSION
8432          KM   STORM DRAIN ALONG HALF MILE STREET
8433          KM   EXISTING STORM DRAIN ALONG 31ST AVENUE
8434          KM   DIVERT IS TO THE SOUTH
8435          KM   CAP= 251 CFS SOUTH
8436          DT  SD31DS
8437          DI       0    251.  10251.
8438          DQ       0    251.    251.

8439          KK  RES26T
8440          KM   PONDING AREA RESERVOIR ROUTE
8441          KM   PONDING AREA NORTH OF GRAND CANAL
8442          KM   FLOW IN 27TH AVENUE STORM DRAIN INCLUDED IN RATING CURVE FOR PONDING AREA
8443          KM   CAPACITY OF 31ST AVENUE STORM DRAIN HAS ALREADY BEEN DIVERTED TO SOUTH
8444          KM   SUB-BASIN 26-22N
8445          RS       1    ELEV   1011.
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8446        SV     0.0     0.1    2.35    9.38    33.9
1                                         HEC-1 INPUT                                                    PAGE188

LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

8447        SE   1011.   1012.  1012.5   1013.   1014.
8448        SQ    160.    160.    640.   1780.  10096.

8449        KK    D26W
8450        KM   FLOW DIVERSION
8451        KM   SUB-BASIN 26-22N
8452        KM   0% West & 100% South
8453        KM   THIS DIVERT PASSES ALL FLOW TO THE SOUTH VIA THE DIVERT
8454        KM   WHILE THE MAIN COMPUTATIONAL PATH REMAINS OPEN (WITH 0 FLOW)
8455        KM   TO THE WEST, TO BE COMBINED AT C2722N.
8456        DT    D26S
8457        DI       0  10000.
8458        DQ       0  10000.

8459        KK  SIS1AS
8460        KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
8461        KM   35TH & INDIAN SCHOOL
8462        DR  SIS1AS

8463        KK  SD35DW
8464        KM   SPECIAL STREET CAPACITY DIVERSION
8465        KM   35TH AVENUE
8466        KM   DIVERSION TO SOUTH
8467        KM   EXISTING STORM DRAIN ALONG 35TH AVENUE
8468        KM   CAP=  75 CFS SOUTH
8469        DT  SD35DS
8470        DI       0     75.  10000.
8471        DQ       0     75.     75.

8472        KK  R2722W
8473        KM   SUB-BASIN STREET ROUTE
8474        KM   WEST
8475        KM   RW= 50'
8476        KM   PAV= 35'
8477        RS       7    FLOW     -1.
8478        RC    0.02   0.016    0.02   4660.  0.0015
8479        RX       0     0.1     7.5    17.5    32.5    42.5     50.    50.1
8480        RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

8481        KK   SIS1S
8482        KM   RETRIEVAL OF STREET CAPACITY DIVERSION
8483        KM   INDIAN SCHOOL
8484        DR   SIS1S

8485        KK  R2722S
8486        KM   SUB-BASIN STREET ROUTE
8487        KM   SOUTH
8488        KM   RW= 170'
8489        KM   PAV= 113'
8490        RS       3    FLOW     -1.
8491        RC    0.02   0.016    0.02   3060.  0.0029
8492        RX       0     0.1    28.5    38.5   131.5   141.5    170.   170.1
8493        RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0
1                                         HEC-1 INPUT                                                    PAGE189

LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

8494        KK  27-22N
8495        KM   SUB-BASIN 27-22N
8496        KM   6-HOUR RAINFALL, PATTERN NO. 1.00 WAS USED TO FIND TC & R FOR THIS BASIN
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8497        KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .995
8498        KM     L = 1.15  Kb = .025  Adj. Slope =   10.0
8499        BA    .372
8500        LG    .120    .250   6.000    .240  71.000
8501        UC    .729    .512
8502        UA       0       5      16      30      65      77      84      90      94      97
8503        UA     100

8504        KK  C2722N
8505        KM   SUB-BASIN COMBINE
8506        KM   THIS COMBINES FLOWS FROM R2722S, 27-22N, R2722W, & D26W (WITH 0 FLOW)
8507        HC       4    16.4

8508        KK  D2722N
8509        KM   SUB-BASIN DIVERSION
8510        KM   SUB-BASIN 27-22N
8511        KM   19% West & 81% South
8512        KM   DIVERSION WEST
8513        KM   EXISTING STORM DRAIN ALONG 39TH AVENUE
8514        KM   CAP= 332 CFS SOUTH
8515        DT  D2722A
8516        DI       0    332.    532.    832.   1332.   2332.
8517        DQ       0     0.1     38.     95.    190.    380.

8518        KK     D39
8519        KM    FLOW DIVERSION AT 39TH AVE
8520        KM    FLOW DIVERSION DATA BASED ON
8521        KM    PRELIMINARY COMPUTATIONS BY WPA 6/96
8522        KM    CAPACITY OF SURFACE FLOW NORTH OF CANAL = 600 CFS
8523        KM    DIVERSION OF FLOW SOUTH UNDER THE GRAND CANAL
8524        KM    BY AN EXISTING STORM DRAIN SYSTEM
8525        KM    ESTIMATED STORM DRAIN CAPACITY (78") =286 CFS
8526        DT    D39S
8527        DI       0    286.    886.   1286.   2286.
8528        DQ       0    286.    286.    686.   1686.

8529        KK   D43IS
8530        KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
8531        KM   43RD & INDIAN SCHOOL
8532        DR   D43IS

8533        KK   R43K
8534        KM   STREET ROUTE
8535        KM   SOUTH
8536        KM   43RD Avenue
8537        RS       2    FLOW     -1.
8538        RC    0.02   0.016    0.02   2120.  0.0038
8539        RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
8540        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

8541        KK   S43GS
8542        KM   STREET CAPACITY DIVERSION
8543        KM   43RD AVENUE
8544        KM   SPECIAL CASE
8545        KM   DIVERSION TO WEST 50% OF SURFACE FLOW
8546        KM   EXISTING STORM DRAIN ALONG 43RD AVENUE
8547        KM   CAP=  89 CFS SOUTH
8548        DT   S43GW
8549        DI       0     89.  10089.
8550        DQ       0     0.1   5000.

8551        KK  D2722A
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8552          KM   RETRIEVAL OF SUB-BASIN DIVERSION
8553          KM   SUB-BASIN 27-22N
8554          DR  D2722A

8555          KK  C2722A
8556          KM   SUB-BASIN COMBINE
8557          HC       3    16.4

8558          KK    PA43
8559          KM    STORAGE ROUTING
8560          KM    PONDING AREA IN THE VICINITY OF 43RD AVE
8561          KM    PRELIMINARY COMPUTATIONS BY WPA 6/96
8562          KM    CAPACITY OF SURFACE FLOW NORTH OF CANAL = 200 CFS
8563          KM    DIVERSION OF FLOW UNDER THE GRAND CANAL BY AN EXISTING STORM DRAIN SYSTEM
8564          KM    ESTIMATED STORM DRAIN CAPACITY(63") = 89 CFS
8565          KM    TOP OF CANAL BANK ELEVATION = 1108
8566          RS       1    ELEV      -1   1104.
8567          SV       0    0.01      .1    .645    4.77    6.79   29.76     33.
8568          SE    1104  1104.1    1105    1106  1106.8    1107    1108   1109.
8569          SQ       0      89      89      89      89     289     289   2289.

8570          KK     D43
8571          KM    FLOW DIVERSION AT 43RD AVE
8572          KM    DIVERSION TO SOUTH
8573          KM    PRELIMINARY COMPUTATIONS BY WPA 6/96
8574          KM    CAPACITY OF SURFACE FLOW NORTH OF CANAL = 200 CFS
8575          KM    DIVERSION OF FLOW SOUTH UNDER THE GRAND CANAL BY EXIST. STORM DRAIN SYSTEM
8576          KM    ESTIMATED STORM DRAIN CAPACITY(63") = 89 CFS
8577          DT    D43S
8578          DI       0     89.    289.   2289.
8579          DQ       0     89.     89.   2089.

8580          KK  R2822W
8581          KM   SUB-BASIN STREET ROUTE
8582          KM   WEST
8583          KM   RW= 150'
8584          KM   PAV= 105'
8585          RS       5    FLOW     -1.
8586          RC    0.02   0.016    0.02   2640.  0.0008
8587          RX       0     0.1    22.5    32.5   117.5   127.5    150.   150.1
8588          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

8589          KK   SIS2S
8590          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
8591          KM   INDIAN SCHOOL
8592          DR   SIS2S

8593          KK  SIS2SA
8594          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
8595          KM   RETRIEVE DIVERT JUST EAST OF SIS2
8596          KM   INDIAN SCHOOL
8597          DR  SIS2SA

8598          KK  C2822A
8599          KM   COMBINE
8600          HC       2    18.3

8601          KK  R2822S
8602          KM   SUB-BASIN STREET ROUTE
8603          KM   SOUTH
8604          KM   RW= 270'
8605          KM   PAV= 183'
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8660          KM   51ST & INDIAN SCHOOL
8661          DR   D51IS

8662          KK   R51M
8663          KM   STREET ROUTE
8664          KM   SOUTH
8665          KM   51ST Avenue
8666          RS       2    FLOW     -1.
8667          RC    0.02   0.016    0.02   2500.  0.0038
8668          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
8669          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

8670          KK   S51HS
8671          KM   STREET CAPACITY DIVERSION
8672          KM   50/50 SPLIT
8673          KM   51ST
8674          KM   DIVERSION TO WEST
8675          KM   STORM DRAIN ALONG 51ST AVE
8676          KM   CAP= 207.0 CFS SOUTH
8677          DT   S51HW
8678          DI       0    207.  10207.
8679          DQ       0     0.1   5000.
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

8680          KK  D2822A
8681          KM   RETRIEVAL OF SUB-BASIN DIVERSION
8682          KM   SUB-BASIN 28-22N
8683          DR  D2822A

8684          KK  C2822B
8685          KM   SUB-BASIN COMBINE
8686          HC       3    18.3

8687          KK    PA51        STORAGE ROUTING
8688          KM    PONDING AREA IN THE VICINITY OF 51ST AVE
8689          KM    PRELIMINARY COMPUTATIONS BY WPA 6/96
8690          KM    CAPACITY OF SURFACE FLOW NORTH OF CANAL =  50 CFS
8691          KM    DIVERSION OF FLOW UNDER THE GRAND CANAL BY AN EXISTING STORM DRAIN SYSTEM
8692          KM    ESTIMATED STORM DRAIN CAPACITY(72") =281 CFS
8693          KM    TOP OF CANAL BANK ELEV = 1105.5
8694          RS       1    FLOW      -1
8695          SV       0    0.01    4.81   23.30    40.5   57.73
8696          SE    1103  1103.1    1104    1105  1105.5    1106
8697          SQ       0     281     306     331    331.   2231.

8698          KK     D51
8699          KM    D51S-51ST AVE. STORM DRAIN DIVERSION TO THE SOUTH
8700          KM    PONDING AREA IN THE VICINITY OF 51ST AVE
8701          KM    PRELIMINARY COMPUTATIONS BY WPA 6/96
8702          KM    CAPACITY OF SURFACE FLOW NORTH OF CANAL =  50 CFS
8703          KM    DIVERSION OF FLOW UNDER THE GRAND CANAL BY AN EXISTING STORM DRAIN SYSTEM
8704          KM    ESTIMATED STORM DRAIN CAPACITY(72") =281 CFS
8705          KM    TOP OF CANAL BANK ELEV = 1105.5
8706          DT    D51S
8707          DI       0     281    2231
8708          DQ       0     281    2181

8709          KK   SIS3S
8710          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
8711          KM   INDIAN SCHOOL
8712          DR   SIS3S

8713          KK  R2922S
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K/L4PRINT

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8714          KM   SUB-BASIN STREET ROUTE
8715          KM   SOUTH
8716          KM   RW= 270'
8717          KM   PAV= 183'
8718          RS       2    FLOW     -1.
8719          RC    0.02   0.016    0.02   2040.  0.0043
8720          RX       0     0.1    43.5    53.5   216.5   226.5    270.   270.1
8721          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

8722          KK  29-22N
8723          KM   SUB-BASIN 29-22N
8724          KM   6-HOUR RAINFALL, PATTERN NO. 1.00 WAS USED TO FIND TC & R FOR THIS BASIN
8725          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .995
8726          KM     L =  .65  Kb = .058  Adj. Slope =   17.0
8727          BA    .414
1                                        HEC-1 INPUT                                          PAGE194

LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

8728          LG    .210    .280   6.200    .180  30.000
8729          UC    .808    .342
8730          UA       0       5      16      30      65      77      84      90      94      97
8731          UA     100

8732          KK  C2922N
8733          KM   SUB-BASIN COMBINE
8734          HC       2    24.9

8735          KK  D2922N
8736          KM   SUB-BASIN DIVERSION
8737          KM   SUB-BASIN 29-22N
8738          KM   54% WEST & 46% SOUTH
8739          KM   DIVERSION IS TO THE WEST
8740          KM   MAIN COMPUTATION PATH IS TO THE SOUTH
8741          DT  D2922A
8742          DI       0  10000.
8743          DQ       0   5400.

8744          KK   S51HW
8745          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
8746          KM   51ST AVENUE
8747          DR   S51HW

8748          KK  C2922B
8749          KM   SUB-BASIN COMBINE
8750          HC       3    25.8

8751          KK    PA55        STORAGE ROUTING
8752          KM    PONDING AREA IN THE VICINITY OF 55TH AVE
8753          KM    PRELIMINARY COMPUTATIONS BY WPA 6/96
8754          KM    CAPACITY OF SURFACE FLOW NORTH OF CANAL =  50 CFS
8755          KM    AN EXISTING STORM DRAIN SYSTEM CONVEYS FLOW TO THE WEST ONLY
8756          KM    DIVERSION OF FLOW OVER THE GRAND CANAL
8757          KM    STORM DRAIN CAPACITY WEST = 74 CFS PER CVL
8758          KM    TOP OF CANAL BANK ELEV = 1103
8759          RS       1    FLOW      -1
8760          SV       0    0.01     .04     .08    5.56   12.08   20.80    22.9
8761          SE    1100  1100.1  1100.7    1101    1102  1102.5    1103   1104.
8762          SQ       0      74      87      93     114     124     124    629.

8763          KK     D55
8764          KM    FLOW DIVERSION TO SOUTH
8765          KM    PRELIMINARY COMPUTATIONS BY WPA 6/96
8766          KM    CAPACITY OF SURFACE FLOW NORTH OF CANAL =  50 CFS
8767          KM    AN EXISTING STORM DRAIN SYSTEM CONVEYS FLOW TO THE WEST ONLY
8768          KM    DIVERSION OF FLOW OVER THE GRAND CANAL
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8769          KM    STORM DRAIN CAPACITY WEST = 74 CFS PER CVL
8770          KM    TOP OF CANAL BANK ELEV = 1103
8771          DT    D55S
8772          DI       0      74    124.    629.
8773          DQ       0      0.1    0.2    505.
1                                           HEC-1 INPUT                                                    PAGE195

LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


8774          KK   D59IS
8775          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
8776          KM   59TH & INDIAN SCHOOL
8777          DR   D59IS

8778          KK   S59HS
8779          KM   STREET CAPACITY DIVERSION
8780          KM   59TH AVENUE
8781          KM   DIVERSION TO WEST
8782          KM   50/50 SPLIT
8783          KM   STORM DRAIN ALONG 59TH AVE
8784          KM   CAP= 359.0 CFS SOUTH
8785          DT   S59HW
8786          DI       0    359.  10359.
8787          DQ       0     0.1   5000.

8788          KK  D2922A
8789          KM   RETRIEVAL OF SUB-BASIN DIVERSION
8790          KM   SUB-BASIN 29-22N
8791          DR  D2922A

8792          KK  C2922A
8793          KM   COMBINE
8794          HC       3    25.8

8795          KK    PA59        STORAGE ROUTING
8796          KM    PONDING AREA IN THE VICINITY OF 43RD AVE
8797          KM    DATA BASED ON HEC-1 BY CVL(4/96) FOR FCD 93-34
8798          KM    DIVERSION OF FLOW UNDER THE GRAND CANAL BY AN EXISTING STORM DRAIN SYSTEM
8799          KM    ESTIMATED STORM DRAIN CAPACITY(72") = 220 CFS
8800          KM    SEE CVL COMPUTATION SHEETS IN APPENDIX
8801          RS       1    FLOW      -1
8802          SV       0    0.01    2.31    9.93   15.88   46.45
8803          SE    1099  1099.1    1100  1100.8    1101    1102
8804          SQ       0     220     220     267     378    2689

8805          KK     D59        FLOW DIVERSION
8806          KM    PONDING AREA IN THE VICINITY OF 59TH AVE
8807          KM    DATA BASED ON HEC-1 BY CVL(4/96) FOR FCD 93-34
8808          KM    FLOW OVER GRAND CANAL BANKS
8809          KM    DIVERT IS TO THE SOUTH
8810          DT    D59S
8811          DI       0     272     378    2689
8812          DQ       0     272     272    1030

8813          KK   SIS4S
8814          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
8815          KM   INDIAN SCHOOL
8816          DR   SIS4S
1                                           HEC-1 INPUT                                                    PAGE196

LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


8817          KK  R3022S
8818          KM   SUB-BASIN STREET ROUTE
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8819          KM   SOUTH
8820          KM   RW= 100'
8821          KM   PAV= 70'
8822          RS       2    FLOW     -1.
8823          RC    0.02   0.016    0.02   2250.  0.0037
8824          RX       0     0.1    15.0    25.0    75.0    85.0    100.   100.1
8825          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

8826          KK  30-22N
8827          KM   SUB-BASIN 30-22N
8828          KM   6-HOUR RAINFALL, PATTERN NO. 1.00 WAS USED TO FIND TC & R FOR THIS BASIN
8829          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .998
8830          KM     L =  .82  Kb = .092  Adj. Slope =   14.0
8831          BA    .162
8832          LG    .230    .150   7.000    .150  34.000
8833          UC   1.408   1.303
8834          UA       0       5      16      30      65      77      84      90      94      97
8835          UA     100

8836          KK   S59HW
8837          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
8838          KM   59TH
8839          DR   S59HW

8840          KK  C3022N
8841          KM   SUB-BASIN COMBINE
8842          HC       4    34.1

8843          KK    PA63        STORAGE ROUTING AT 63RD AVE
8844          KM    PONDING AREA IN THE VICINITY OF 63RD AVE
8845          KM    DATA BASED ON HEC-1 BY CVL(4/96) FOR FCD 93-34
8846          KM    DIVERSION OF FLOW UNDER THE GRAND CANAL BY AN EXISTING STORM DRAIN SYSTEM
8847          KM    AND/OR OVER THE GRAND CANAL BANKS
8848          KM    ESTIMATED STORM DRAIN CAPACITY(42") = 52 CFS
8849          KM    SEE CVL COMPUTATION SHEETS IN APPENDIX
8850          RS       1    FLOW      -1
8851          SV       0    0.30    1.27    3.89   10.16   34.71
8852          SE    1096  1097.0  1097.2  1097.5    1098    1099
8853          SQ       0      52    52.1    52.2     219    3220

8854          KK     D63
8855          KM    100% FLOW DIVERTED SOUTH
8856          KM    COMPUTATION PATH WEST ALONG NORTH SIDE OF GRAND CANAL IS TERMINATED
8857          KM    COMPUTATION PATH TO WEST IS COLLECTED @ THOMAS & 67 INTERSECTION COMBINE
8858          DT    D63S
8859          DI      0.  10000.
8860          DQ      0.  10000.
              *
              *  MAIN THOMAS ROAD (SOUTH OF GRAND CANAL) COMPUTATIONAL PATH
              *
1                                          HEC-1 INPUT                                          PAGE197

LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


8861          KK    D26S
8862          KM   RETRIEVE FLOW FROM DIVERT D26W, FROM RES26T
8863          KM   SUB-BASIN 26-22E
8864          DR    D26S

8865          KK  R2622S
8866          KM   SUB-BASIN STREET ROUTE
8867          KM   SOUTH
8868          KM   RW= 150'
8869          KM   PAV= 105'
8870          RS       3    FLOW     -1.
```

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8871          RC    0.02   0.016    0.02   3710.  0.0042
8872          RX       0     0.1    22.5    32.5   117.5   127.5    150.   150.1
8873          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

8874          KK  26-22E
8875          KM   SUB-BASIN 26-22E
8876          KM   6-HOUR RAINFALL, PATTERN NO. 1.00 WAS USED TO FIND TC & R FOR THIS BASIN
8877          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .995
8878          KM     L =  .84  Kb = .040  Adj. Slope =   19.0
8879          BA    .384
8880          LG    .160    .150   8.400    .090  53.000
8881          UC    .613    .322
8882          UA       0       5      16      30      65      77      84      90      94      97
8883          UA     100

8884          KK  C2622E
8885          KM   SUB-BASIN COMBINE
8886          HC       2  12.141

8887          KK  RES26E
8888          KM   PONDING AREA RESERVOIR ROUTE
8889          KM   PONDING AREA NORTHEAST OF GRAND AVENUE/RR EMBANKMENT
8890          KM   SUB-BASIN 26-22E
8891          RS       1    FLOW      0.
8892          SV       0     0.1   13.20   45.92   91.09  149.48
8893          SE   1095.   1096.   1097.   1098.   1099.   1100.
8894          SQ      0.    160.    160     376.   1056.   6078.

8895          KK   DTR27
8896          KM   DIVERSION IN SUB-BASIN 26-22E
8897          KM   0% West & 100% South
8898          KM   THIS DIVERT IS TO MAINTAIN THE COMPUTATION PATH TO THE WEST
8899          KM   MAIN PATH CONTINUES TO THE WEST TO C2622S
8900          KM   DIVERSION SOUTH
8901          KM   STORM DRAIN ALONG 27TH AVE
8902          KM   CAP= 160.0 CFS SOUTH
8903          KM   STORM DRAIN ALONG THOMAS RD.
8904          KM   CAP=  33.0 CFS WEST
8905          DT   D27TR
8906          DI       0    193.  10193.
8907          DQ       0    160.  10160.
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

8908          KK  26-22S
8909          KM   SUB-BASIN 26-22S
8910          KM   6-HOUR RAINFALL, PATTERN NO. 1.00 WAS USED TO FIND TC & R FOR THIS BASIN
8911          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .995
8912          KM     L =  .48  Kb = .026  Adj. Slope =   22.0
8913          BA    .393
8914          LG    .150    .150   8.000    .110  56.000
8915          UC    .292    .089
8916          UA       0       5      16      30      65      77      84      90      94      97
8917          UA     100

8918          KK  D2622S
8919          KM   SUB-BASIN DIVERSION
8920          KM   SUB-BASIN 26-22S
8921          KM   24% West & 76% South
8922          DT  D2622W
8923          DI       0  10000.
8924          DQ       0   2400.

8925          KK  SD31DS
```

```
8926          KM   RETRIEVAL OF STORM DRAIN DIVERSION ALONG 31ST AVENUE
8927          DR  SD31DS

8928          KK  C2622S
8929          KM   SUB-BASIN COMBINE
8930          KM   COMBINES FLOW FROM D26W, SD31DS, & D2622Q
8931          HC       3   0.392

8932          KK   STR1W
8933          KM   STREET CAPACITY DIVERSION
8934          KM   THOMAS
8935          KM   DIVERSION TO SOUTH
8936          KM   STORM DRAIN ALONG THOMAS ROAD
8937          KM   CAP=   8.0 CFS WEST
8938          KM   STORM DRAIN ALONG 31ST AVE.
8939          KM   CAP= 237.0 CFS SOUTH
8940          DT   STR1S
8941          DI       0    259.    295.   1223.   1928.
8942          DQ       0    237.    269.    978.   1516.

8943          KK    RTR1
8944          KM   STREET ROUTE
8945          KM   WEST
8946          KM   THOMAS
8947          RS       6    FLOW     -1.
8948          RC    0.02   0.016    0.02   2640.  0.0006
8949          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
8950          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
1                                          HEC-1 INPUT                                                    PAGE199

LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


8951          KK  SD35DS
8952          KM   RETRIEVAL OF STORM DRAIN DIVERSION ALONG 35TH AVENUE
8953          DR  SD35DS

8954          KK  26-22W
8955          KM   SUB-BASIN 26-22W
8956          KM   6-HOUR RAINFALL, PATTERN NO. 1.00 WAS USED TO FIND TC & R FOR THIS BASIN
8957          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .999
8958          KM     L =  .43  Kb = .029  Adj. Slope =   13.0
8959          BA    .079
8960          LG    .140    .240   4.300    .530  57.000
8961          UC    .392    .283
8962          UA       0       5      16      30      65      77      84      90      94      97
8963          UA     100

8964          KK  D2622W
8965          KM   RETRIEVAL OF SUB-BASIN DIVERSION
8966          KM   SUB-BASIN 26-22S
8967          DR  D2622W

8968          KK    C35E
8969          KM   NORTH/SOUTH STREET COMBINE
8970          KM   35TH AVENUE
8971          HC       3   0.471

8972          KK   S35DS
8973          KM   STREET CAPACITY DIVERSION
8974          KM   35TH AVENUE
8975          KM   DIVERSION TO WEST
8976          KM   STORM DRAIN ALONG 35TH AVE
8977          KM   CAP=  63.0 CFS SOUTH
8978          DT   S35DW
8979          DI       0    103.    138.   1306.   2194.
```

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8980        DQ      0     0.1     24.    565.    975.

8981        KK    R35J
8982        KM   STREET ROUTE
8983        KM   SOUTH
8984        KM   35TH Avenue
8985        RS       2    FLOW     -1.
8986        RC    0.02   0.016    0.02   2640.  0.0049
8987        RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
8988        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

8989        KK   CTR35
8990        KM   INTERSECTION COMBINE
8991        KM   THOMAS & 35TH
8992        HC       2   0.471
1                                   HEC-1 INPUT                                          PAGE200

LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

8993        KK   DTR35
8994        KM   STREET INTERSECTION DIVERSION
8995        KM   THOMAS & 35TH
8996        KM   22% West & 78% South
8997        KM   DIVERSION SOUTH
8998        KM   STORM DRAIN ALONG 35TH AVE
8999        KM   CAP=  63.0 CFS SOUTH
9000        KM   STORM DRAIN ALONG THOMAS RD.
9001        KM   CAP=  20.0 CFS WEST
9002        DT   D35TR
9003        DI       0     83.  10083.
9004        DQ       0     63.   7863.

9005        KK    RTR2
9006        KM   STREET ROUTE
9007        KM   WEST
9008        KM   THOMAS
9009        RS       6    FLOW     -1.
9010        RC    0.02   0.016    0.02   2640.  0.0006
9011        RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
9012        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

9013        KK    D39S
9014        KM   RETRIEVAL OF STREET CAPACITY DIVERSION
9015        KM   39TH AVENUE AT GRAND CANAL
9016        DR    D39S

9017        KK  R2722A
9018        KM   SUB-BASIN STREET ROUTE
9019        KM   SOUTH
9020        KM   RW= 220'
9021        KM   PAV= 148'
9022        RS       3    FLOW     -1.
9023        RC    0.02   0.016    0.02   3550.  0.0040
9024        RX       0     0.1    36.0    46.0   174.0   184.0    220.   220.1
9025        RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

9026        KK  27-22S
9027        KM   SUB-BASIN 27-22S
9028        KM   6-HOUR RAINFALL, PATTERN NO. 1.13 WAS USED TO FIND TC & R FOR THIS BASIN
9029        KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .992
9030        KM     L =  .94  Kb = .072  Adj. Slope =   14.0
9031        BA    .631
9032        LG    .220    .150   8.800    .070  39.000
9033        UC   1.225    .573
9034        UA       0       5      16      30      65      77      84      90      94      97
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9035          UA     100

9036          KK   S35DW
9037          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
9038          KM   35TH AVENUE
9039          DR   S35DW
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

9040          KK  R2722B
9041          KM   SUB-BASIN STREET ROUTE
9042          KM   WEST
9043          KM   RW= 120'
9044          KM   PAV= 78'
9045          RS      10    FLOW     -1.
9046          RC    0.02   0.016    0.02   5300.  0.0009
9047          RX       0     0.1    21.0    31.0    89.0    99.0    120.   120.1
9048          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

9049          KK  C2722S
9050          KM   SUB-BASIN COMBINE
9051          HC       3  12.139

9052          KK  D2722S
9053          KM   SUB-BASIN DIVERSION
9054          KM   SUB-BASIN 27-22S
9055          KM   8% West & 92% South
9056          KM   DIVERSION WEST
9057          KM   STORM DRAIN ALONG 39TH AVE
9058          KM   CAP= 286.0 CFS SOUTH
9059          DT  D2722W
9060          DI       0    286.    486.    786.   1286.   2286.
9061          DQ       0     0.1     16.     40.     80.    160.

9062          KK    CTR1
9063          KM   EAST/WEST STREET COMBINE
9064          HC       2  12.139

9065          KK   STR2W
9066          KM   STREET CAPACITY DIVERSION
9067          KM   THOMAS
9068          KM   DIVERSION TO SOUTH
9069          KM   STORM DRAIN ALONG 39TH AVE.
9070          KM   CAP= 286.0 CFS SOUTH
9071          DT   STR2S
9072          DI       0    286.    298.    332.   1221.   1895.
9073          DQ       0    286.    286.    318.   1027.   1565.

9074          KK    RTR3
9075          KM   STREET ROUTE
9076          KM   WEST
9077          KM   THOMAS
9078          RS      16    FLOW     -1.
9079          RC    0.02   0.016    0.02   2660.  0.0001
9080          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
9081          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

9082          KK    D43S
9083          KM   RETRIEVAL OF DIVERSION D43
9084          KM   43RD & GRAND CANAL
9085          DR    D43S
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10
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9086          KK  D2722W
9087          KM   RETRIEVAL OF SUB-BASIN DIVERSION
9088          KM   SUB-BASIN 27-22W
9089          DR  D2722W

9090          KK    C43F
9091          KM   NORTH/SOUTH STREET COMBINE
9092          KM   43RD AVENUE
9093          HC       2  12.139

9094          KK   S43HS
9095          KM   STREET CAPACITY DIVERSION
9096          KM   43RD AVENUE
9097          KM   DIVERSION TO WEST
9098          KM   STORM DRAIN ALONG 43RD AVE
9099          KM   CAP=  89.0 CFS SOUTH
9100          DT   S43HW
9101          DI       0    131.    212.   2426.   4108.
9102          DQ       0     0.1     70.   1624.   2802.

9103          KK    R43M
9104          KM   STREET ROUTE
9105          KM   SOUTH
9106          KM   43RD Avenue
9107          RS       2    FLOW     -1.
9108          RC    0.02   0.016    0.02   2640.  0.0039
9109          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
9110          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

9111          KK   CTR43
9112          KM   INTERSECTION COMBINE
9113          KM   THOMAS & 43RD
9114          HC       2  12.139

9115          KK   DTR43
9116          KM   STREET INTERSECTION DIVERSION
9117          KM   THOMAS & 43RD
9118          KM   19% West & 81% South
9119          KM   DIVERSION SOUTH
9120          KM   STORM DRAIN ALONG 43RD AVE
9121          KM   CAP= 262.0 CFS SOUTH
9122          DT   D43TR
9123          DI       0    262.  10262.
9124          DQ       0    262.   8362.

9125          KK    D51S
9126          KM   RETRIEVAL OF PONDING AREA DIVERSION
9127          KM   51ST @ GRAND CANAL
9128          DR    D51S
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

9129          KK    D47S
9130          KM   RETRIEVAL OF PONDING AREA DIVERSION
9131          KM   47TH @ GRAND CANAL
9132          DR    D47S

9133          KK  C2822C
9134          KM   SUB-BASIN COMBINE
9135          HC       2  18.316

9136          KK  R2822A
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9137        KM   SUB-BASIN STREET ROUTE
9138        KM   EAST
9139        KM   RW= 220'
9140        KM   PAV= 148'
9141        RS      3    FLOW     -1.
9142        RC   0.02   0.016    0.02   2760.  0.0030
9143        RX      0     0.1    36.0    46.0   174.0   184.0    220.   220.1
9144        RY    4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

9145        KK  28-22S
9146        KM   SUB-BASIN 28-22S
9147        KM   6-HOUR RAINFALL, PATTERN NO. 1.05 WAS USED TO FIND TC & R FOR THIS BASIN
9148        KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .993
9149        KM     L =  .69  Kb = .083  Adj. Slope =   15.0
9150        BA    .543
9151        LG    .240    .190   6.600    .180  33.000
9152        UC   1.150    .455
9153        UA      0       5      16      30      65      77      84      90      94      97
9154        UA    100

9155        KK  C2822S
9156        KM   SUB-BASIN COMBINE
9157        HC      2  18.859

9158        KK  D2822S
9159        KM   SUB-BASIN DIVERSION
9160        KM   SUB-BASIN 28-22S
9161        KM   2% West & 98% South
9162        DT  D2822W
9163        DI      0  10000.
9164        DQ      0    200.

9165        KK   S43HW
9166        KM   RETRIEVAL OF STREET CAPACITY DIVERSION
9167        KM   43RD AVENUE
9168        DR   S43HW

9169        KK  R2822B
9170        KM   SUB-BASIN STREET ROUTE
9171        KM   WEST
9172        KM   RW= 220'
9173        KM   PAV= 148'
9174        RS     10    FLOW     -1.
9175        RC   0.02   0.016    0.02   7290.  0.0017
1                                        HEC-1 INPUT                                                    PAGE204

LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

9176        RX      0     0.1    36.0    46.0   174.0   184.0    220.   220.1
9177        RY    4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

9178        KK    CTR2
9179        KM   EAST/WEST STREET COMBINE
9180        HC      3  19.961

9181        KK   STR3W
9182        KM   STREET CAPACITY DIVERSION 50/50 SPLIT
9183        KM   THOMAS
9184        KM   DIVERSION TO SOUTH
9185        DT   STR3S
9186        DI      0    100.   1000.  10000.
9187        DQ      0     50.    500.   5000.

9188        KK   STR4W
9189        KM   STREET CAPACITY DIVERSION
9190        KM   THOMAS
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9191          KM   DIVERSION TO SOUTH
9192          DT   STR4S
9193          DI       0     12.     47.    945.   1626.
9194          DQ       0    0.1     32.    741.   1279.

9195          KK    RTR4
9196          KM   STREET ROUTE
9197          KM   WEST
9198          KM   THOMAS
9199          RS       5    FLOW     -1.
9200          RC    0.02   0.016    0.02   2820.  0.0009
9201          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
9202          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

9203          KK  D2822W
9204          KM   RETRIEVAL OF SUB-BASIN DIVERSION
9205          KM   SUB-BASIN 28-22W
9206          DR  D2822W

9207          KK   S51IS
9208          KM   STREET CAPACITY DIVERSION
9209          KM   51ST AVENUE
9210          KM   DIVERSION TO WEST
9211          KM   STORM DRAIN ALONG 51ST AVE
9212          KM   CAP= 281.0 CFS SOUTH
9213          DT   S51IW
9214          DI       0    320.    369.   1852.   2978.
9215          DQ       0     0.1     40.    918.   1584.

9216          KK    R51N
9217          KM   STREET ROUTE
9218          KM   SOUTH
9219          KM   51ST Avenue
9220          RS       2    FLOW     -1.
9221          RC    0.02   0.016    0.02   2570.  0.0040
9222          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
9223          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

9224          KK   CTR51
9225          KM   INTERSECTION COMBINE
9226          KM   THOMAS & 51ST
9227          HC       2  19.961

9228          KK   DTR51
9229          KM   STREET INTERSECTION DIVERSION
9230          KM   THOMAS & 51ST
9231          KM   39% West & 61% South
9232          KM   DIVERSION SOUTH
9233          KM   STORM DRAIN ALONG 51ST AVE
9234          KM   CAP= 281.0 CFS SOUTH
9235          DT   D51TR
9236          DI       0    281.  10281.
9237          DQ       0    281.   6381.

9238          KK    RTR5
9239          KM   STREET ROUTE
9240          KM   WEST
9241          KM   THOMAS
9242          RS       4    FLOW     -1.
9243          RC    0.02   0.016    0.02   2720.  0.0014
9244          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
9245          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
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K/L 4PRINT

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9246          KK    D55S
9247          KM   RETRIEVAL OF DIVERSION AT 55TH & GRAND CANAL
9248          DR    D55S

9249          KK  R2922A
9250          KM   SUB-BASIN STREET ROUTE
9251          KM   SOUTH
9252          KM   RW= 270'
9253          KM   PAV= 183'
9254          RS       2    FLOW     -1.
9255          RC    0.02   0.016    0.02   2890.  0.0050
9256          RX       0     0.1    43.5    53.5   216.5   226.5    270.   270.1
9257          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

9258          KK  29-22S
9259          KM   SUB-BASIN 29-22S
9260          KM   6-HOUR RAINFALL, PATTERN NO. 1.10 WAS USED TO FIND TC & R FOR THIS BASIN
9261          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .992
9262          KM     L =  .79  Kb = .079  Adj. Slope =   16.0
9263          BA    .594
9264          LG    .230    .190   6.600    .190  36.000
9265          UC   1.192    .501
9266          UA       0       5      16      30      65      77      84      90      94      97
9267          UA     100
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


9268          KK   S51IW
9269          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
9270          KM   51ST
9271          DR   S51IW

9272          KK  R2922B
9273          KM   SUB-BASIN STREET ROUTE
9274          KM   WEST
9275          KM   RW= 270'
9276          KM   PAV= 183'
9277          RS       9    FLOW     -1.
9278          RC    0.02   0.016    0.02   5300.  0.0011
9279          RX       0     0.1    43.5    53.5   216.5   226.5    270.   270.1
9280          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

9281          KK  C2922S
9282          KM   SUB-BASIN COMBINE
9283          HC       3  26.898

9284          KK  D2922S
9285          KM   SUB-BASIN DIVERSION
9286          KM   SUB-BASIN 29-22S
9287          KM   27% West & 73% South
9288          DT  D2922W
9289          DI       0  10000.
9290          DQ       0   2700.

9291          KK    CTR3
9292          KM   EAST/WEST STREET COMBINE
9293          HC       2  27.999

9294          KK   STR5W
9295          KM   STREET CAPACITY DIVERSION
9296          KM   THOMAS
9297          KM   DIVERSION TO SOUTH
9298          KM   STORM DRAIN ALONG THOMAS ROAD
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9299          KM   CAP=  26.0 CFS WEST
9300          DT   STR5S
9301          DI       0     48.     78.    967.   1641.
9302          DQ       0     0.1     24.    565.    975.

9303          KK    RTR6
9304          KM   STREET ROUTE
9305          KM   WEST
9306          KM   THOMAS
9307          RS       4    FLOW     -1.
9308          RC    0.02   0.016    0.02   2600.  0.0013
9309          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
9310          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
1                                                HEC-1 INPUT                                                    PAGE207

LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


9311          KK    D59S
9312          KM   RETRIEVAL OF INTERSECTION DIVERSION FROM 59TH & GRAND CANAL
9313          DR    D59S

9314          KK    R59N
9315          KM   STREET ROUTE
9316          KM   SOUTH
9317          KM   59TH Avenue
9318          RS       1    FLOW     -1.
9319          RC    0.02   0.016    0.02   1130.  0.0053
9320          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
9321          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

9322          KK  D2922W
9323          KM   RETRIEVAL OF SUB-BASIN DIVERSION
9324          KM   SUB-BASIN 29-22W
9325          DR  D2922W

9326          KK    C59G
9327          KM   NORTH/SOUTH STREET COMBINE
9328          KM   59TH AVENUE
9329          HC       2  26.898

9330          KK   S59IS
9331          KM   STREET CAPACITY DIVERSION
9332          KM   59TH
9333          KM   DIVERSION TO WEST
9334          KM   STORM DRAIN ALONG 59TH AVE
9335          KM   CAP= 389.0 CFS SOUTH
9336          DT   S59IW
9337          DI       0    429.    501.   2501.   4020.
9338          DQ       0     0.1     62.   1447.   2497.

9339          KK    R59O
9340          KM   STREET ROUTE
9341          KM   SOUTH
9342          KM   59TH Avenue
9343          RS       2    FLOW     -1.
9344          RC    0.02   0.016    0.02   2620.  0.0038
9345          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
9346          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

9347          KK   CTR59
9348          KM   INTERSECTION COMBINE
9349          KM   THOMAS & 59TH
9350          HC       2  27.999

9351          KK   DTR59
```


K/14PRINT

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9352          KM   STREET INTERSECTION DIVERSION
9353          KM   THOMAS & 59TH
9354          KM   40% West & 60% South
9355          KM   DIVERSION SOUTH
9356          KM   STORM DRAIN ALONG 59TH AVE
9357          KM   CAP= 389.0 CFS SOUTH
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

9358          DT   D59TR
9359          DI       0    389.  10389.
9360          DQ       0    389.   6389.

9361          KK    RTR7
9362          KM   STREET ROUTE
9363          KM   WEST
9364          KM   THOMAS
9365          RS       4    FLOW     -1.
9366          RC    0.02   0.016    0.02   2630.  0.0015
9367          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
9368          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

9369          KK    D63S
9370          KM   RETRIEVAL OF FLOW FROM PA63
9371          DR    D63S

9372          KK  R3022A
9373          KM   SUB-BASIN STREET ROUTE
9374          KM   SOUTH
9375          KM   RW= 170'
9376          KM   PAV= 113'
9377          RS       4    FLOW     -1.
9378          RC    0.02   0.016    0.02   4000.  0.0039
9379          RX       0     0.1    28.5    38.5   131.5   141.5    170.   170.1
9380          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

9381          KK  30-22S
9382          KM   SUB-BASIN 30-22S
9383          KM   6-HOUR RAINFALL, PATTERN NO. 1.28 WAS USED TO FIND TC & R FOR THIS BASIN
9384          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .989
9385          KM     L = 1.19  Kb = .074  Adj. Slope =   16.0
9386          BA    .811
9387          LG    .230    .150   8.000    .100  35.000
9388          UC   1.471    .735
9389          UA       0       5      16      30      65      77      84      90      94      97
9390          UA     100

9391          KK   S59IW
9392          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
9393          KM   59TH
9394          DR   S59IW

9395          KK  R3022B
9396          KM   SUB-BASIN STREET ROUTE
9397          KM   WEST
9398          KM   RW= 370'
9399          KM   PAV= 253'
9400          RS       7    FLOW     -1.
9401          RC    0.02   0.016    0.02   5080.  0.0018
9402          RX       0     0.1    58.5    68.5   301.5   311.5    370.   370.1
9403          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10
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9404          KK  C3022S
9405          KM   SUB-BASIN COMBINE
9406          HC       3  36.031

9407          KK  D3022S
9408          KM   SUB-BASIN DIVERSION
9409          KM   SUB-BASIN 30-22S
9410          KM   24% West & 76% South
9411          DT  D3022W
9412          DI       0  10000.
9413          DQ       0   2400.

9414          KK    CTR4
9415          KM   EAST/WEST STREET COMBINE
9416          KM   THOMAS
9417          HC       2  37.133

9418          KK   STR6W
9419          KM   STREET CAPACITY DIVERSION
9420          KM   THOMAS
9421          KM   DIVERSION TO SOUTH
9422          DT   STR6S
9423          DI       0     23.     61.   1126.   1935.
9424          DQ       0     0.1     32.    741.   1279.

9425          KK    RTR8
9426          KM   STREET ROUTE
9427          KM   WEST
9428          KM   THOMAS
9429          RS       4    FLOW     -1.
9430          RC    0.02   0.016    0.02   2520.  0.0013
9431          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
9432          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

9433          KK  D3022W
9434          KM   RETRIEVAL OF SUB-BASIN DIVERSION
9435          KM   SUB-BASIN 30-22S
9436          DR  D3022W

9437          KK   D67IS
9438          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
9439          KM   67TH AVE. AND INDIAN SCHOOL
9440          DR   D67IS

9441          KK   C67G1
9442          KM   NORTH/SOUTH STREET COMBINE
9443          KM   67TH AVE.
9444          HC       2   36.03
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

9445          KK   S67IS
9446          KM   STREET CAPACITY DIVERSION
9447          KM   67TH
9448          KM   DIVERSION TO WEST
9449          KM   STORM DRAIN ALONG 67TH AVE
9450          KM   CAP= 240.0 CFS SOUTH
9451          DT   S67IW
9452          DI       0    272.    312.   1519.   2437.
9453          DQ       0     0.1     32.    741.   1279.

9454          KK    R67O
9455          KM   STREET ROUTE
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K/14PRINT

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9456          KM   SOUTH
9457          KM   67TH Avenue
9458          RS       3    FLOW     -1.
9459          RC    0.02   0.016    0.02   2630.  0.0030
9460          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
9461          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

9462          KK   CTR67
9463          KM   INTERSECTION COMBINE
9464          KM   THIS COMBINE COLLECTS THE 0 CFS FLOW FROM D63 AND CLOSES THE
9465          KM   NORTH OF GRAND CANAL THOMAS RD. COMPUTATION PATH
9466          KM   THOMAS & 67TH
9467          HC       3  37.133

9468          KK   DTR67
9469          KM   STREET INTERSECTION DIVERSION
9470          KM   THOMAS & 67TH
9471          KM   40% West & 60% South
9472          KM   DIVERSION SOUTH
9473          KM   STORM DRAIN ALONG 67TH AVE
9474          KM   CAP= 240.0 CFS SOUTH
9475          DT   D67TR
9476          DI       0    240.  10240.
9477          DQ       0    240.   6240.

9478          KK    RTR9
9479          KM   STREET ROUTE
9480          KM   WEST
9481          KM   THOMAS
9482          RS       3    FLOW     -1.
9483          RC    0.02   0.016    0.02   2630.  0.0022
9484          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
9485          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

9486          KK   SIS5S
9487          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
9488          KM   INDIAN SCHOOL
9489          DR   SIS5S
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

9490          KK  R2521S
9491          KM   SUB-BASIN STREET ROUTE
9492          KM   SOUTH
9493          KM   RW= 120'
9494          KM   PAV= 78'
9495          RS       6    FLOW     -1.
9496          RC    0.02   0.016    0.02   5300.  0.0026
9497          RX       0     0.1    21.0    31.0    89.0    99.0    120.   120.1
9498          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

9499          KK   25-21
9500          KM   SUB-BASIN 25-21
9501          KM   6-HOUR RAINFALL, PATTERN NO. 1.40 WAS USED TO FIND TC & R FOR THIS BASIN
9502          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .987
9503          KM     L = 1.38  Kb = .065  Adj. Slope =   14.0
9504          BA   1.001
9505          LG    .220    .170   9.700    .060  32.000
9506          UC   1.500    .750
9507          UA       0       5      16      30      65      77      84      90      94      97
9508          UA     100

9509          KK   RET25
9510          KM   RETENTION BASIN DIVERSION
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9511          KM   SUB-BASIN 25-21
9512          KM    2% OF SUB-BASIN DRAINS TO RETENTION BASIN
9513          DT  D2521R   15.49
9514          DI       0  10000.
9515          DQ       0    200.

9516          KK   S67IW
9517          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
9518          KM   67TH
9519          DR   S67IW

9520          KK  R2521W
9521          KM   SUB-BASIN STREET ROUTE
9522          KM   WEST
9523          KM   RW= 220'
9524          KM   PAV= 148
9525          RS       6    FLOW     -1.
9526          RC    0.02   0.016    0.02   5390.  0.0027
9527          RX       0     0.1    36.0    46.0   174.0   184.0    220.   220.1
9528          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

9529          KK  C25-21
9530          KM   SUB-BASIN COMBINE
9531          HC       3  37.644

9532          KK  D2521S
9533          KM   SUB-BASIN DIVERSION
9534          KM   SUB-BASIN 25-21
9535          KM   24% West & 76% South
9536          DT  D2521W
9537          DI       0  10000.
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

9538          DQ       0   2400.

9539          KK    CTR5
9540          KM   EAST/WEST STREET COMBINE
9541          HC       2  38.746

9542          KK   STR7W
9543          KM   STREET CAPACITY DIVERSION
9544          KM   THOMAS
9545          KM   DIVERSION TO SOUTH
9546          KM   STORM DRAIN ALONG THOMAS ROAD
9547          KM   CAP=  91.0 CFS WEST
9548          DT   STR7S
9549          DI       0    120.    152.   1150.   1908.
9550          DQ       0     0.1     24.    565.    975.

9551          KK   RTR10
9552          KM   STREET ROUTE
9553          KM   WEST
9554          KM   THOMAS
9555          RS       3    FLOW     -1.
9556          RC    0.02   0.016    0.02   2670.  0.0025
9557          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
9558          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

9559          KK   D75IS
9560          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
9561          KM   75TH & INDIAN SCHOOL
9562          DR   D75IS

9563          KK    R75P
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KC/14PRINT

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9564          KM   STREET ROUTE
9565          KM   SOUTH
9566          KM   75TH Avenue
9567          RS       3    FLOW     -1.
9568          RC    0.02   0.016    0.02   2670.  0.0030
9569          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
9570          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

9571          KK  D2521W
9572          KM   RETRIEVAL OF SUB-BASIN DIVERSION
9573          KM   SUB-BASIN 25-21
9574          DR  D2521W

9575          KK    C75G
9576          KM   NORTH/SOUTH STREET COMBINE
9577          KM   75TH AVENUE
9578          HC       2  37.644

9579          KK   S75JS
9580          KM   STREET CAPACITY DIVERSION
9581          KM   75TH
9582          KM   DIVERSION TO WEST
9583          KM   STORM DRAIN ALONG 75TH AVE
9584          KM   CAP= 328.0 CFS SOUTH
1                                        HEC-1 INPUT                                          PAGE213

LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

9585          DT   S75JW
9586          DI       0    359.    399.   1593.   2500.
9587          DQ       0     0.1     32.    741.   1279.

9588          KK    R75Q
9589          KM   STREET ROUTE
9590          KM   SOUTH
9591          KM   75TH Avenue
9592          RS       3    FLOW     -1.
9593          RC    0.02   0.016    0.02   2660.  0.0022
9594          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
9595          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

9596          KK   CTR75
9597          KM   INTERSECTION COMBINE
9598          KM   THOMAS & 75TH
9599          HC       2  38.746

9600          KK   DTR75
9601          KM   STREET INTERSECTION DIVERSION
9602          KM   THOMAS & 75TH
9603          KM   35% West & 65% South
9604          KM   DIVERSION SOUTH
9605          KM   STORM DRAIN ALONG 75TH AVE
9606          KM   CAP= 328.0 CFS SOUTH
9607          DT   D75TR
9608          DI       0    328.  10328.
9609          DQ       0    328.   6828.

9610          KK   RTR11
9611          KM   STREET ROUTE
9612          KM   WEST
9613          KM   THOMAS
9614          RS       3    FLOW     -1.
9615          RC    0.02   0.016    0.02   2600.  0.0029
9616          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
9617          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
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9618          KK   SIS6S
9619          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
9620          KM   INDIAN SCHOOL
9621          DR   SIS6S

9622          KK  R2621S
9623          KM   SUB-BASIN STREET ROUTE
9624          KM   SOUTH
9625          KM   RW= 370'
9626          KM   PAV= 253'
9627          RS       6    FLOW     -1.
9628          RC    0.02   0.016    0.02   5700.  0.0029
9629          RX       0     0.1    58.5    68.5   301.5   311.5    370.   370.1
9630          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0
1                                          HEC-1 INPUT                                                    PAGE214

LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

9631          KK   26-21
9632          KM   SUB-BASIN 26-21
9633          KM   6-HOUR RAINFALL, PATTERN NO. 1.40 WAS USED TO FIND TC & R FOR THIS BASIN
9634          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .987
9635          KM     L = 1.40  Kb = .074  Adj. Slope =   15.0
9636          BA    .990
9637          LG    .240    .160   7.000    .140  33.000
9638          UC   1.500    .764
9639          UA       0       5      16      30      65      77      84      90      94      97
9640          UA     100

9641          KK   S75JW
9642          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
9643          KM   75TH
9644          DR   S75JW

9645          KK  R2621W
9646          KM   SUB-BASIN STREET ROUTE
9647          KM   WEST
9648          KM   RW= 270'
9649          KM   PAV= 183'
9650          RS       6    FLOW     -1.
9651          RC    0.02   0.016    0.02   5280.  0.0024
9652          RX       0     0.1    43.5    53.5   216.5   226.5    270.   270.1
9653          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

9654          KK  C26-21
9655          KM   SUB-BASIN COMBINE
9656          HC       3  41.284

9657          KK  D2621S
9658          KM   SUB-BASIN DIVERSION
9659          KM   SUB-BASIN 26-21
9660          KM   26% West & 74% South
9661          DT  D2621W
9662          DI       0  10000.
9663          DQ       0   2600.

9664          KK    CTR6
9665          KM   EAST/WEST STREET COMBINE
9666          HC       2  41.284

9667          KK   STR8W
9668          KM   STREET CAPACITY DIVERSION
9669          KM   THOMAS
9670          KM   DIVERSION TO SOUTH
9671          DT   STR8S
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9672          DI       0     31.     46.    690.   1180.
9673          DQ       0     0.1      7.    177.    305.
1                                          HEC-1 INPUT                                                    PAGE215

LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


9674          KK   RTR12
9675          KM   STREET ROUTE
9676          KM   WEST
9677          KM   THOMAS
9678          RS       3    FLOW     -1.
9679          RC    0.02   0.016    0.02   2620.  0.0021
9680          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
9681          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

9682          KK   D83IS
9683          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
9684          KM   83RD & INDIAN SCHOOL
9685          DR   D83IS

9686          KK    R83P
9687          KM   STREET ROUTE
9688          KM   SOUTH
9689          KM   83RD Avenue
9690          RS       3    FLOW     -1.
9691          RC    0.02   0.016    0.02   2630.  0.0021
9692          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
9693          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

9694          KK  D2621W
9695          KM   RETRIEVAL OF SUB-BASIN DIVERSION
9696          KM   SUB-BASIN 26-21
9697          DR  D2621W

9698          KK    C83H
9699          KM   NORTH/SOUTH STREET COMBINE
9700          KM   83RD AVENUE
9701          HC       2  57.035

9702          KK   S83IS
9703          KM   STREET CAPACITY DIVERSION
9704          KM   83RD
9705          KM   DIVERSION TO WEST
9706          KM   STORM DRAIN ALONG 83RD AVE
9707          KM   CAP= 243.0 CFS SOUTH
9708          DT   S83IW
9709          DI       0    272.    311.   1470.   2350.
9710          DQ       0     0.1     32.    741.   1279.

9711          KK    R83Q
9712          KM   STREET ROUTE
9713          KM   SOUTH
9714          KM   83RD Avenue
9715          RS       3    FLOW     -1.
9716          RC    0.02   0.016    0.02   2630.  0.0024
9717          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
9718          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
1                                          HEC-1 INPUT                                                    PAGE216

LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


9719          KK   CTR83
9720          KM   INTERSECTION COMBINE
9721          KM   THOMAS & 83RD
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9722          HC      2  56.347

9723          KK   DTR83
9724          KM   STREET INTERSECTION DIVERSION
9725          KM   THOMAS & 83RD
9726          KM   35% West & 65% South
9727          KM   DIVERSION SOUTH
9728          KM   STORM DRAIN ALONG 83RD AVE
9729          KM   CAP= 243.0 CFS SOUTH
9730          DT   D83TR
9731          DI       0    243.  10243.
9732          DQ       0    243.   6743.

9733          KK   RTR13
9734          KM   STREET ROUTE
9735          KM   WEST
9736          KM   THOMAS
9737          RS       3    FLOW     -1.
9738          RC    0.02   0.016    0.02   2640.  0.0024
9739          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
9740          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

9741          KK   SIS7S
9742          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
9743          KM   INDIAN SCHOOL
9744          DR   SIS7S

9745          KK  R2721S
9746          KM   SUB-BASIN STREET ROUTE
9747          KM   SOUTH
9748          KM   RW= 220'
9749          KM   PAV= 148'
9750          RS       8    FLOW     -1.
9751          RC    0.02   0.016    0.02   5700.  0.0019
9752          RX       0     0.1    36.0    46.0   174.0   184.0    220.   220.1
9753          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

9754          KK   27-21
9755          KM   SUB-BASIN 27-21
9756          KM   6-HOUR RAINFALL, PATTERN NO. 1.40 WAS USED TO FIND TC & R FOR THIS BASIN
9757          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .987
9758          KM     L = 1.34  Kb = .073  Adj. Slope =   13.0
9759          BA   1.005
9760          LG    .290    .170   7.600    .120  23.000
9761          UC   1.500    .731
9762          UA       0       5      16      30      65      77      84      90      94      97
9763          UA     100
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

9764          KK   RET27
9765          KM   RETENTION BASIN DIVERSION
9766          KM   SUB-BASIN 27-21
9767          KM    5% OF SUB-BASIN DRAINS TO RETENTION BASIN
9768          DT  D2721R    2.36
9769          DI       0  10000.
9770          DQ       0    500.

9771          KK   S83IW
9772          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
9773          KM   83RD
9774          DR   S83IW

9775          KK  R2721W
```


K&E 4PRINT

```
9776          KM   SUB-BASIN STREET ROUTE
9777          KM   WEST
9778          KM   RW= 220'
9779          KM   PAV= 148'
9780          RS       6    FLOW     -1.
9781          RC    0.02   0.016    0.02   5280.  0.0027
9782          RX       0     0.1    36.0    46.0   174.0   184.0    220.   220.1
9783          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

9784          KK  C27-21
9785          KM   SUB-BASIN COMBINE
9786          HC       3  65.566

9787          KK  D2721S
9788          KM   SUB-BASIN DIVERSION
9789          KM   SUB-BASIN 27-21
9790          KM   30% West & 70% South
9791          DT  D2721W
9792          DI       0  10000.
9793          DQ       0   3000.

9794          KK    CTR7
9795          KM   EAST/WEST STREET COMBINE
9796          HC       2  66.668

9797          KK   STR9W
9798          KM   STREET CAPACITY DIVERSION
9799          KM   THOMAS
9800          KM   DIVERSION TO SOUTH
9801          DT   STR9S
9802          DI       0     32.     72.   1278.   2194.
9803          DQ       0     0.1     32.    741.   1279.

9804          KK   RTR14
9805          KM   STREET ROUTE
9806          KM   WEST
9807          KM   THOMAS
9808          RS       3    FLOW     -1.
9809          RC    0.02   0.016    0.02   2650.  0.0031
9810          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

9811          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

9812          KK   D91IS
9813          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
9814          KM   91ST & INDIAN SCHOOL
9815          DR   D91IS

9816          KK    R91M
9817          KM   STREET ROUTE
9818          KM   SOUTH
9819          KM   91ST Avenue
9820          RS       4    FLOW     -1.
9821          RC    0.02   0.016    0.02   2630.  0.0016
9822          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
9823          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

9824          KK  D2721W
9825          KM   RETRIEVAL OF SUB-BASIN DIVERSION
9826          KM   SUB-BASIN 27-21
9827          DR  D2721W

9828          KK    C91G
```


1/2/1 4PRINT

```
9829    KM   NORTH/SOUTH STREET COMBINE
9830    KM   91ST AVENUE
9831    HC       2  65.566

9832    KK   S91GS
9833    KM   STREET CAPACITY DIVERSION
9834    KM   91ST
9835    KM   DIVERSION TO WEST
9836    KM   STORM DRAIN ALONG 91ST AVE
9837    KM   CAP= 326.0 CFS SOUTH
9838    DT   S91GW
9839    DI       0    343.    356.    822.   1177.
9840    DQ       0     0.1      9.    212.    365.

9841    KK    R91N
9842    KM   STREET ROUTE
9843    KM   SOUTH
9844    KM   91ST Avenue
9845    RS       3    FLOW     -1.
9846    RC    0.02   0.016    0.02   2650.  0.0025
9847    RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
9848    RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

9849    KK   CTR91
9850    KM   INTERSECTION COMBINE
9851    KM   THOMAS & 91ST
9852    HC       2  66.668
```



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LINE    ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

9853    KK   DTR91
9854    KM   STREET INTERSECTION DIVERSION
9855    KM   THOMAS & 91ST
9856    KM   43% West & 57% South
9857    KM   DIVERSION SOUTH
9858    KM   STORM DRAIN ALONG 91ST AVE
9859    KM   CAP= 326.0 CFS SOUTH
9860    DT   D91TR
9861    DI       0    326.  10326.
9862    DQ       0    326.   6026.

9863    KK   RTR15
9864    KM   STREET ROUTE
9865    KM   WEST
9866    KM   THOMAS
9867    RS       4    FLOW     -1.
9868    RC    0.02   0.016    0.02   2650.  0.0018
9869    RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
9870    RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

9871    KK   SIS8S
9872    KM   RETRIEVAL OF STREET CAPACITY DIVERSION
9873    KM   INDIAN SCHOOL
9874    DR   SIS8S

9875    KK  R2821S
9876    KM   SUB-BASIN STREET ROUTE
9877    KM   SOUTH
9878    KM   RW= 50'
9879    KM   PAV= 35'
9880    RS      10    FLOW     -1.
9881    RC    0.02   0.016    0.02   5700.  0.0011
9882    RX       0     0.1     7.5    17.5    32.5    42.5     50.    50.1
9883    RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0
```


1C/14PRINT

```
9884          KK   28-21
9885          KM   SUB-BASIN 28-21
9886          KM   6-HOUR RAINFALL, PATTERN NO. 1.40 WAS USED TO FIND TC & R FOR THIS BASIN
9887          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .987
9888          KM     L = 1.11  Kb = .080  Adj. Slope =   11.0
9889          BA    .999
9890          LG    .490    .150   8.800    .090   2.000
9891          UC   1.500    .631
9892          UA       0       5      16      30      65      77      84      90      94      97
9893          UA     100

9894          KK   S91GW
9895          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
9896          KM   91ST
9897          DR   S91GW
1                                          HEC-1 INPUT                                          PAGE220

LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


9898          KK  R2821W
9899          KM   SUB-BASIN STREET ROUTE
9900          KM   WEST
9901          KM   RW= 50'
9902          KM   PAV= 35'
9903          RS       6    FLOW     -1.
9904          RC    0.02   0.016    0.02   5300.  0.0026
9905          RX       0     0.1     7.5    17.5    32.5    42.5     50.    50.1
9906          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

9907          KK  C28-21
9908          KM   SUB-BASIN COMBINE
9909          HC       3  70.436

9910          KK  D2821S
9911          KM   SUB-BASIN DIVERSION
9912          KM   SUB-BASIN 28-21
9913          KM   63% West & 37% South
9914          DT  D2821W
9915          DI       0  10000.
9916          DQ       0   6300.

9917          KK    CTR8
9918          KM   EAST/WEST STREET COMBINE
9919          HC       2  70.436

9920          KK  STR10W
9921          KM   STREET CAPACITY DIVERSION
9922          KM   THOMAS
9923          KM   DIVERSION TO SOUTH
9924          DT  STR10S
9925          DI       0     26.     41.    618.   1058.
9926          DQ       0     0.1      8.    177.    305.

9927          KK   RTR16
9928          KM   STREET ROUTE
9929          KM   WEST
9930          KM   THOMAS
9931          RS       3    FLOW     -1.
9932          RC    0.02   0.016    0.02   2640.  0.0020
9933          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
9934          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

9935          KK   D99IS
9936          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
```

```
9937          KM   99TH & INDIAN SCHOOL
9938          DR   D99IS

9939          KK    R99H
9940          KM   STREET ROUTE
9941          KM   SOUTH
9942          KM   99TH Avenue
9943          RS       5    FLOW     -1.
9944          RC    0.02   0.016    0.02   2650.  0.0009
1                                          HEC-1 INPUT                                                    PAGE221

LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

9945          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
9946          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

9947          KK  D2821W
9948          KM   RETRIEVAL OF SUB-BASIN DIVERSION
9949          KM   SUB-BASIN 28-21
9950          DR  D2821W

9951          KK    C99D
9952          KM   NORTH/SOUTH STREET COMBINE
9953          KM   99TH AVENUE
9954          HC       2  70.436

9955          KK   S99DS
9956          KM   STREET CAPACITY DIVERSION
9957          KM   99TH
9958          KM   DIVERSION TO WEST
9959          DT   S99DW
9960          DI       0     19.     31.    490.    839.
9961          DQ       0     0.1      8.    177.    305.

9962          KK    R99I
9963          KM   STREET ROUTE
9964          KM   SOUTH
9965          KM   99TH Avenue
9966          RS       5    FLOW     -1.
9967          RC    0.02   0.016    0.02   2600.  0.0009
9968          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
9969          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

9970          KK   CTR99
9971          KM   INTERSECTION COMBINE
9972          KM   THOMAS & 99TH
9973          HC       2  70.436

9974          KK   DTR99
9975          KM   STREET INTERSECTION DIVERSION
9976          KM   THOMAS & 99TH
9977          KM   75% West & 25% South
9978          DT   D99TR
9979          DI       0  10000.
9980          DQ       0   2500.

9981          KK   RTR17
9982          KM   STREET ROUTE
9983          KM   WEST
9984          KM   THOMAS
9985          RS       3    FLOW     -1.
9986          RC    0.02   0.016    0.02   2530.  0.0019
9987          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
9988          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
1                                          HEC-1 INPUT                                                    PAGE222
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

 9989         KK   SIS9S
 9990         KM   RETRIEVAL OF STREET CAPACITY DIVERSION
 9991         KM   INDIAN SCHOOL
 9992         DR   SIS9S

 9993         KK  R2921S
 9994         KM   SUB-BASIN STREET ROUTE
 9995         KM   SOUTH
 9996         KM   RW= 50'
 9997         KM   PAV= 35'
 9998         RS       7    FLOW     -1.
 9999         RC    0.02   0.016    0.02   5700.  0.0021
10000         RX       0     0.1     7.5    17.5    32.5    42.5     50.    50.1
10001         RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

10002         KK  29-21N
10003         KM   SUB-BASIN 29-21N
10004         KM   6-HOUR RAINFALL, PATTERN NO. 1.24 WAS USED TO FIND TC & R FOR THIS BASIN
10005         KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .990
10006         KM     L = 1.41  Kb = .082  Adj. Slope =    9.0
10007         BA    .761
10008         LG    .490    .150   9.700    .070   2.000
10009         UC   1.500    .893
10010         UA       0       5      16      30      65      77      84      90      94      97
10011         UA     100

10012         KK   S99DW
10013         KM   RETRIEVAL OF STREET CAPACITY DIVERSION
10014         KM   99TH
10015         DR   S99DW

10016         KK  R2921W
10017         KM   SUB-BASIN STREET ROUTE
10018         KM   WEST
10019         KM   RW= 50'
10020         KM   PAV= 35'
10021         RS       3    FLOW     -1.
10022         RC    0.02   0.016    0.02   2640.  0.0035
10023         RX       0     0.1     7.5    17.5    32.5    42.5     50.    50.1
10024         RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

10025         KK  C2921N
10026         KM   SUB-BASIN COMBINE
10027         HC       3  72.919

10028         KK  D2921S
10029         KM   SUB-BASIN DIVERSION
10030         KM   SUB-BASIN 26-21N
10031         KM   33% West & 67% South
10032         DT  D2921W
10033         DI       0  10000.
10034         DQ       0   3300.
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

10035         KK    CTR9
10036         KM   EAST/WEST STREET COMBINE
10037         HC       2  74.021

10038         KK  RES29S
10039         KM   PONDING AREA RESERVOIR ROUTE
```

```
10040          KM   PONDING AREA EAST OF RID CANAL
10041          KM   SUB-BASIN 29-21N
10042          RS       1    ELEV   1019.
10043          SV       0    16.4    50.7    71.4    77.2   109.7
10044          SE    1019.   1020.   1021.  1021.4  1021.5   1022.
10045          SQ      0.     0.1     0.2     0.3     96.   1160.

10046          KK  D107IS
10047          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
10048          KM   107TH & INDIAN SCHOOL
10049          DR  D107IS

10050          KK   R107C
10051          KM   STREET ROUTE
10052          KM   SOUTH
10053          KM   107TH Avenue
10054          RS       5    FLOW     -1.
10055          RC    0.02   0.016    0.02   2490.  0.0009
10056          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
10057          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

10058          KK  D2921W
10059          KM   RETRIEVAL OF SUB-BASIN DIVERSION
10060          KM   SUB-BASIN 29-21N
10061          DR  D2921W

10062          KK   C107B
10063          KM   NORTH/SOUTH STREET COMBINE
10064          KM   107TH AVENUE
10065          HC       2  72.919

10066          KK  RES29W
10067          KM   PONDING AREA RESERVOIR ROUTE
10068          KM   PONDING AREA NORTH OF GRAND RID CANAL
10069          KM   SUB-BASIN 29-21N
10070          RS       1    ELEV   1016.
10071          SV       0    48.9    74.7   130.2   193.2
10072          SE    1016.   1018.  1018.5  1019.3   1020.
10073          SQ      0.     0.1    771.   3920.   9112.

10074          KK  D2921B
10075          KM   DIVERSION
10076          KM   107TH & R.I.D. CANAL
10077          KM   DIVERSION TO WEST
10078          KM   SPECIAL CASE: FLOW DIVERSION DOCUMENTED AS PART OF RES29W ANALYSES
10079          DT  D2921C
10080          DI      0.    771.   3920.   9112.
10081          DQ       0    771.   3920.   8618.
```



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 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

10082          KK  R2921A
10083          KM   SUB-BASIN STREET ROUTE
10084          KM   SOUTH
10085          KM   RW= 150'
10086          KM   PAV= 105'
10087          RS       5    FLOW     -1.
10088          RC    0.02   0.016    0.02   2610.  0.0008
10089          RX       0     0.1    22.5    32.5   117.5   127.5    150.   150.1
10090          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

10091          KK  29-21S
10092          KM   SUB-BASIN 29-21S
10093          KM   6-HOUR RAINFALL, PATTERN NO. 1.00 WAS USED TO FIND TC & R FOR THIS BASIN
```


K/L 4PRINT

```
10094          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .997
10095          KM     L =  .88  Kb = .086  Adj. Slope =    9.0
10096          BA    .262
10097          LG    .280    .150   9.700    .060  19.000
10098          UC   1.500   1.124
10099          UA      0       5      16      30      65      77      84      90      94      97
10100          UA    100

10101          KK   C107C
10102          KM   NORTH/SOUTH STREET COMBINE
10103          KM   107TH AVENUE
10104          HC       3  74.284

10105          KK  DTR107
10106          KM   STREET INTERSECTION DIVERSION
10107          KM   THOMAS & 107TH
10108          KM   65% West & 35% South
10109          DT  D107TR
10110          DI       0  10000.
10111          DQ       0   3500.

10112          KK   RTR18
10113          KM   STREET ROUTE
10114          KM   WEST
10115          KM   THOMAS
10116          RS       3    FLOW     -1.
10117          RC    0.02   0.016    0.02   2390.  0.0017
10118          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
10119          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

10120          KK  30-21S
10121          KM   SUB-BASIN 30-21S
10122          KM   6-HOUR RAINFALL, PATTERN NO. 1.23 WAS USED TO FIND TC & R FOR THIS BASIN
10123          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .990
10124          KM     L =  .79  Kb = .036  Adj. Slope =   12.0
10125          BA    .748
10126          LG    .210    .290   6.800    .120  12.000
10127          UC    .792    .279
10128          UA      0       5      16      30      65      77      84      90      94      97
10129          UA    100
```



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 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

10130          KK  RET30S
10131          KM   RETENTION BASIN DIVERSION
10132          KM   SUB-BASIN 30-21S
10133          KM   81% OF SUB-BASIN DRAINS TO RETENTION BASIN
10134          DT  D3021X   17.78
10135          DI       0  10000.
10136          DQ       0   8100.

10137          KK  C3021S
10138          KM   SUB-BASIN COMBINE
10139          HC       2  75.033

10140          KK  STR11W
10141          KM   STREET CAPACITY DIVERSION
10142          KM   THOMAS
10143          KM   DIVERSION TO SOUTH
10144          DT  STR11S
10145          DI       0     22.     50.    899.   1543.
10146          DQ       0     0.1     23.    530.    914.

10147          KK   RTR19
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```
10148          KM   STREET ROUTE
10149          KM   WEST
10150          KM   THOMAS
10151          RS      6    FLOW     -1.
10152          RC    0.02   0.016    0.02   2800.  0.0008
10153          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
10154          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

10155          KK  DTR115
10156          KM   STREET INTERSECTION DIVERSION
10157          KM   THOMAS & 115TH
10158          KM   57% West & 43% South
10159          DT  D115TR
10160          DI       0  10000.
10161          DQ       0   4300.

10162          KK  30-21N
10163          KM   SUB-BASIN 30-21N
10164          KM   6-HOUR RAINFALL, PATTERN NO. 1.17 WAS USED TO FIND TC & R FOR THIS BASIN
10165          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .991
10166          KM     L =  .71  Kb = .047  Adj. Slope =   15.0
10167          BA    .667
10168          LG    .210    .260   6.800    .130  21.000
10169          UC    .783    .270
10170          UA       0       5      16      30      65      77      84      90      94      97
10171          UA     100

10172          KK  RET30N
10173          KM   RETENTION BASIN DIVERSION
10174          KM   SUB-BASIN 30-21N
10175          KM   82% OF SUB-BASIN DRAINS TO RETENTION BASIN
10176          DT  D3021R   29.37
10177          DI       0  10000.
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 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

10178          DQ       0   8200.

10179          KK  D3021S
10180          KM   SUB-BASIN DIVERSION
10181          KM   SUB-BASIN 30-21N
10182          KM   21% West & 79% South
10183          DT  D3021W
10184          DI       0  10000.
10185          DQ       0   2100.

10186          KK  D2921C
10187          KM   RETRIEVAL OF DIVERSION @ 107TH & R.I.D. CANAL
10188          DR  D2921C

10189          KK  R3021W
10190          KM   SUB-BASIN STREET ROUTE
10191          KM   WEST
10192          KM   RW= 70'
10193          KM   PAV= 43'
10194          RS       4    FLOW     -1.
10195          RC    0.02   0.016    0.02   3540.  0.0023
10196          RX       0     0.1    13.5    23.5    46.5    56.5    170.   170.1
10197          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

10198          KK  C3021N
10199          KM   SUB-BASIN COMBINE
10200          HC       2  73.587

10201          KK  R3021R
```

```
10202          KM   SUB-BASIN ROUTE THROUGH CHANNEL ADJACENT TO ARTERIAL STREET
10203          KM   WEST
10204          KM   BOTTOM WIDTH = 10'
10205          KM   SIDE SLOPES = 2:1
10206          RS       2    FLOW     -1.
10207          RC    0.02    0.02    0.02   2030.  0.0030
10208          RX       0     0.1     2.5     5.0    15.0    17.5    20.0    20.1
10209          RY     2.5     2.4     1.3     0.0     0.0     1.3     2.4     2.5

10210          KK  D3021W
10211          KM   RETRIEVAL OF SUB-BASIN DIVERSION
10212          KM   SUB-BASIN 30-21N
10213          DR  D2021W

10214          KK   NULL8
10215          KM   COMBINE FLOWS FROM SUB-BASIN 30-21N & 30-21S W/ NULL7
10216          HC       4      1.
               *
               * MCDOWELL COMPUTATION PATH
               *
1                                          HEC-1 INPUT                                          PAGE227

 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

10217          KK   36-22
10218          KM   SUB-BASIN 36-22
10219          KM   6-HOUR RAINFALL, PATTERN NO. 1.00 WAS USED TO FIND TC & R FOR THIS BASIN
10220          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .997
10221          KM     L =  .88  Kb = .026  Adj. Slope =   11.0
10222          BA    .227
10223          LG    .150    .150   8.000    .110  55.000
10224          UC    .587    .431
10225          UA       0       5      16      30      65      77      84      90      94      97
10226          UA     100

10227          KK  D3622S
10228          KM   SUB-BASIN DIVERSION
10229          KM   SUB-BASIN 36-22
10230          KM   64% West & 36% South
10231          DT  D3622W
10232          DI       0  10000.
10233          DQ       0   6400.

10234          KK   D27TR
10235          KM   RETRIEVAL OF DIVERSION FROM RES26E
10236          DR   D27TR

10237          KK    R27G
10238          KM   STREET ROUTE
10239          KM   SOUTH
10240          KM   27TH Avenue
10241          RS       2    FLOW     -1.
10242          RC    0.02   0.016    0.02   2620.  0.0042
10243          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
10244          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

10245          KK  D3622W
10246          KM   RETRIEVAL OF SUB-BASIN DIVERSION
10247          KM   SUB-BASIN 36-22
10248          DR  D3622W

10249          KK    C27B
10250          KM   NORTH/SOUTH STREET COMBINE
10251          KM   27TH AVENUE
10252          HC       2  17.259
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</T4PRINT

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10253          KK   S27BS
10254          KM   STREET CAPACITY DIVERSION
10255          KM   27TH AVENUE
10256          KM   DIVERSION TO WEST
10257          DT   S27BW
10258          DI       0     35.     68.   1146.   1965.
10259          DQ       0     0.1     24.    565.    975.
```



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LINE           ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

10260          KK    R27H
10261          KM   STREET ROUTE
10262          KM   SOUTH
10263          KM   27TH Avenue
10264          RS       3    FLOW     -1.
10265          RC    0.02   0.016    0.02   2700.  0.0023
10266          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
10267          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

10268          KK   CMD27
10269          KM   INTERSECTION COMBINE
10270          KM   MCDOWELL & 27TH
10271          HC       2  17.259

10272          KK   DMD27
10273          KM   STREET INTERSECTION DIVERSION
10274          KM   MCDOWELL & 27TH
10275          KM   38% West & 62% South
10276          KM   DIVERSION SOUTH
10277          KM   STORM DRAIN ALONG 27TH AVE
10278          KM   CAP= 131.0 CFS SOUTH
10279          DT   D27MD
10280          DI       0    131.  10131.
10281          DQ       0    131.   6331.

10282          KK    RMD1
10283          KM   STREET ROUTE
10284          KM   WEST
10285          KM   MCDOWELL
10286          RS       7    FLOW     -1.
10287          RC    0.02   0.016    0.02   2630.  0.0005
10288          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
10289          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

10290          KK   STR1S
10291          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
10292          KM   THOMAS
10293          DR   STR1S

10294          KK  R3522S
10295          KM   SUB-BASIN STREET ROUTE
10296          KM   SOUTH
10297          KM   RW= 270'
10298          KM   PAV= 183'
10299          RS       6    FLOW     -1.
10300          RC    0.02   0.016    0.02   5400.  0.0032
10301          RX       0     0.1    43.5    53.5   216.5   226.5    270.   270.1
10302          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0
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LINE           ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10
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10303          KK   35-22
10304          KM   SUB-BASIN 35-22
10305          KM   6-HOUR RAINFALL, PATTERN NO. 1.40 WAS USED TO FIND TC & R FOR THIS BASIN
10306          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .987
10307          KM     L = 1.50  Kb = .045  Adj. Slope =   11.0
10308          BA    .998
10309          LG    .190    .130  10.100    .050  45.000
10310          UC   1.325    .700
10311          UA       0       5      16      30      65      77      84      90      94      97
10312          UA     100

10313          KK   S27BW
10314          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
10315          KM   27TH
10316          DR   S27BW

10317          KK  R3522W
10318          KM   SUB-BASIN STREET ROUTE
10319          KM   WEST
10320          KM   RW= 170'
10321          KM   PAV= 113'
10322          RS      13    FLOW     -1.
10323          RC    0.02   0.016    0.02   5310.  0.0006
10324          RX       0     0.1    28.5    38.5   131.5   141.5    170.   170.1
10325          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

10326          KK  C35-22
10327          KM   SUB-BASIN COMBINE
10328          HC       3  18.650

10329          KK  D3522S
10330          KM   SUB-BASIN DIVERSION
10331          KM   SUB-BASIN 35-22
10332          KM   26% West & 74% South
10333          KM   DIVERSION WEST
10334          KM   STORM DRAIN ALONG 31ST AVENUE
10335          KM   CAP= 182.0 CFS SOUTH
10336          DT  D3522W
10337          DI       0    182.    382.    682.   1182.   2182.
10338          DQ       0     0.1     52.    130.    260.    420.

10339          KK    CMD1
10340          KM   EAST/WEST STREET COMBINE
10341          HC       2  18.650

10342          KK   SMD1W
10343          KM   STREET CAPACITY DIVERSION
10344          KM   MCDOWELL
10345          KM   DIVERSION TO SOUTH
10346          KM   STORM DRAIN ALONG 31ST AVE.
10347          KM   CAP= 182.0 CFS SOUTH
10348          DT   SMD1S
10349          DI       0    182.    200.    244.   1404.   2284.
10350          DQ       0    182.    182.    221.   1100.   1766.
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 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

10351          KK    RMD2
10352          KM   STREET ROUTE
10353          KM   WEST
10354          KM   MCDOWELL
10355          RS       4    FLOW     -1.
10356          RC    0.02   0.016    0.02   2670.  0.0013
10357          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
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10358          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

10359          KK   D35TR
10360          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
10361          KM   35TH & THOMAS
10362          DR   D35TR

10363          KK    R35K
10364          KM   STREET ROUTE
10365          KM   SOUTH
10366          KM   35TH Avenue
10367          RS       2    FLOW     -1.
10368          RC    0.02   0.016    0.02   2690.  0.0042
10369          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
10370          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

10371          KK  D3522W
10372          KM   RETRIEVAL OF SUB-BASIN DIVERSION
10373          KM   SUB-BASIN 35-22
10374          DR  D3522W

10375          KK    C35F
10376          KM   NORTH/SOUTH STREET COMBINE
10377          KM   35TH AVENUE
10378          HC       2  18.729

10379          KK   S35ES
10380          KM   STREET CAPACITY DIVERSION
10381          KM   35TH
10382          KM   DIVERSION TO WEST
10383          KM   STORM DRAIN ALONG 35TH AVE
10384          KM   CAP=  53.0 CFS SOUTH
10385          DT   S35EW
10386          DI       0     89.    161.   2112.   3594.
10387          DQ       0     0.1     62.   1447.   2497.

10388          KK    R35L
10389          KM   STREET ROUTE
10390          KM   SOUTH
10391          KM   35TH Avenue
10392          RS       3    FLOW     -1.
10393          RC    0.02   0.016    0.02   2630.  0.0030
10394          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
10395          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
1                                              HEC-1 INPUT                                                    PAGE231

 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


10396          KK   CMD35
10397          KM   INTERSECTION COMBINE
10398          KM   MCDOWELL & 35TH
10399          HC       2  18.729

10400          KK   DMD35
10401          KM   STREET INTERSECTION DIVERSION
10402          KM   MCDOWELL & 35TH
10403          KM   33% West & 67% South
10404          KM   DIVERSION SOUTH
10405          KM   STORM DRAIN ALONG 35TH AVE
10406          KM   CAP=  53.0 CFS SOUTH
10407          DT   D35MD
10408          DI       0     53.  10053.
10409          DQ       0     53.   6753.

10410          KK    RMD3
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10411          KM   STREET ROUTE
10412          KM   WEST
10413          KM   MCDOWELL
10414          RS      11    FLOW     -1.
10415          RC    0.02   0.016    0.02   2620.  0.0002
10416          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
10417          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

10418          KK   STR2S
10419          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
10420          KM   THOMAS
10421          DR   STR2S

10422          KK  R3422S
10423          KM   SUB-BASIN STREET ROUTE
10424          KM   SOUTH
10425          KM   RW= 270'
10426          KM   PAV= 183'
10427          RS       5    FLOW     -1.
10428          RC    0.02   0.016    0.02   5310.  0.0034
10429          RX       0     0.1    43.5    53.5   216.5   226.5    270.   270.1
10430          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

10431          KK   34-22
10432          KM   SUB-BASIN 34-22
10433          KM   6-HOUR RAINFALL, PATTERN NO. 1.40 WAS USED TO FIND TC & R FOR THIS BASIN
10434          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .987
10435          KM     L = 1.37  Kb = .068  Adj. Slope =   15.0
10436          BA   1.000
10437          LG    .230    .140  10.100    .040  36.000
10438          UC   1.500    .747
10439          UA       0       5      16      30      65      77      84      90      94      97
10440          UA     100
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 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

10441          KK   S35EW
10442          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
10443          KM   35TH
10444          DR   S35EW

10445          KK  R3422W
10446          KM   SUB-BASIN STREET ROUTE
10447          KM   WEST
10448          KM   RW= 420'
10449          KM   PAV= 288'
10450          RS      18    FLOW     -1.
10451          RC    0.02   0.016    0.02   5290.  0.0003
10452          RX       0     0.1    66.0    76.0   344.0   354.0    420.   420.1
10453          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

10454          KK  C34-22
10455          KM   SUB-BASIN COMBINE
10456          HC       3  21.198

10457          KK  D3422S
10458          KM   SUB-BASIN DIVERSION
10459          KM   SUB-BASIN 34-22
10460          KM   36% West & 64% South
10461          KM   DIVERSION WEST
10462          KM   STORM DRAIN ALONG 39TH AVE
10463          KM   CAP= 319.0 CFS SOUTH
10464          DT  D3422W
10465          DI       0    319.    519.    819.   1319.   2319.
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10466        DQ      0     0.1     72.    180.    360.    720.

10467        KK    CMD2
10468        KM   EAST/WEST STREET COMBINE
10469        HC       2  21.198

10470        KK   SMD2W
10471        KM   STREET CAPACITY DIVERSION
10472        KM   MCDOWELL
10473        KM   DIVERSION TO SOUTH
10474        KM   STORM DRAIN ALONG 39TH AVE.
10475        KM   CAP= 319.0 CFS SOUTH
10476        DT   SMD2S
10477        DI       0    319.    332.    383.   1635.   2586.
10478        DQ       0    319.    319.    366.   1413.   2207.

10479        KK    RMD4
10480        KM   STREET ROUTE
10481        KM   WEST
10482        KM   MCDOWELL
10483        RS       6    FLOW     -1.
10484        RC    0.02   0.016    0.02   2670.  0.0007
10485        RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
10486        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
1                                          HEC-1 INPUT                                                    PAGE233

 LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


10487        KK   D43TR
10488        KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
10489        KM   43RD & THOMAS
10490        DR   D43TR

10491        KK    R43N
10492        KM   STREET ROUTE
10493        KM   SOUTH
10494        KM   43RD Avenue
10495        RS       2    FLOW     -1.
10496        RC    0.02   0.016    0.02   2650.  0.0042
10497        RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
10498        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

10499        KK  D3422W
10500        KM   RETRIEVAL OF SUB-BASIN DIVERSION
10501        KM   SUB-BASIN 34-22
10502        DR  D3422W

10503        KK    C43G
10504        KM   NORTH/SOUTH STREET COMBINE
10505        KM   43RD AVENUE
10506        HC       2  21.198

10507        KK   S43IS
10508        KM   STREET CAPACITY DIVERSION
10509        KM   43RD
10510        KM   DIVERSION TO WEST
10511        KM   100% FLOW SOUTH
10512        KM   STORM DRAIN ALONG 43RD AVE
10513        KM   CAP= 207.0 CFS SOUTH
10514        DT   S43IW
10515        DI       0  10000.
10516        DQ       0      0.

10517        KK    R43O
10518        KM   STREET ROUTE
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10519          KM   SOUTH
10520          KM   43RD Avenue
10521          RS       3    FLOW     -1.
10522          RC    0.02   0.016    0.02   2600.  0.0033
10523          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
10524          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

10525          KK   CMD43
10526          KM   INTERSECTION COMBINE
10527          KM   MCDOWELL & 43RD
10528          HC       2  21.198
1                                          HEC-1 INPUT                                                    PAGE234

 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


10529          KK   DMD43
10530          KM   STREET INTERSECTION DIVERSION
10531          KM   MCDOWELL & 43RD
10532          KM   0% West & 100% South
10533          KM   DIVERSION SOUTH
10534          KM   STORM DRAIN ALONG 43TH AVE
10535          KM   CAP= 207.0 CFS SOUTH
10536          DT   D43MD
10537          DI       0  10000.
10538          DQ       0  10000.

10539          KK   STR3S
10540          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
10541          KM   THOMAS
10542          DR   STR3S

10543          KK   STR4S
10544          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
10545          KM   THOMAS
10546          DR   STR4S

10547          KK  C3322N
10548          KM   SUB-BASIN COMBINE
10549          HC       3  23.666

10550          KK  R3322S
10551          KM   SUB-BASIN STREET ROUTE
10552          KM   SOUTH
10553          KM   RW= 270'
10554          KM   PAV= 183'
10555          RS       5    FLOW     -1.
10556          RC    0.02   0.016    0.02   5340.  0.0038
10557          RX       0     0.1    43.5    53.5   216.5   226.5    270.   270.1
10558          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

10559          KK   33-22
10560          KM   SUB-BASIN 33-22
10561          KM   6-HOUR RAINFALL, PATTERN NO. 1.40 WAS USED TO FIND TC & R FOR THIS BASIN
10562          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .987
10563          KM     L = 1.21  Kb = .076  Adj. Slope =   16.0
10564          BA   1.002
10565          LG    .240    .150   8.400    .090  34.000
10566          UC   1.500    .675
10567          UA       0       5      16      30      65      77      84      90      94      97
10568          UA     100

10569          KK   S43IW
10570          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
10571          KM   43RD
10572          DR   S43IW
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 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

 10573         KK  C33-22
 10574         KM   SUB-BASIN COMBINE
 10575         HC       2  24.666

 10576         KK  D3322S
 10577         KM   SUB-BASIN DIVERSION
 10578         KM   SUB-BASIN 33-22
 10579         KM   29% West & 71% South
 10580         DT  D3322W
 10581         DI       0  10000.
 10582         DQ       0   2900.

 10583         KK    CMD3
 10584         KM   EAST/WEST STREET COMBINE
 10585         HC       2  24.666

 10586         KK   SMD3W
 10587         KM   SPECIAL STREET CAPACITY DIVERSION DUE TO GRADE BREAK
 10588         KM   MCDOWELL
 10589         KM   DIVERSION TO SOUTH
 10590         KM   50/50 SPLIT
 10591         DT   SMD3S
 10592         DI       0  10000.
 10593         DQ       0   5000.

 10594         KK   SMD4W
 10595         KM   STREET CAPACITY DIVERSION
 10596         KM   MCDOWELL
 10597         DT   SMD4S
 10598         DI       0      9.     36.    718.   1236.
 10599         DQ       0     0.1     24.    565.    975.

 10600         KK    RMD5
 10601         KM   STREET ROUTE
 10602         KM   WEST
 10603         KM   MCDOWELL
 10604         RS      11    FLOW     -1.
 10605         RC    0.02   0.016    0.02   2780.  0.0002
 10606         RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
 10607         RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

 10608         KK   D51TR
 10609         KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
 10610         KM   51ST & THOMAS
 10611         DR   D51TR

 10612         KK    R51O
 10613         KM   STREET ROUTE
 10614         KM   SOUTH
 10615         KM   51ST Avenue
 10616         RS       3    FLOW     -1.
 10617         RC    0.02   0.016    0.02   2630.  0.0037
 10618         RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
 10619         RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
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 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

 10620         KK  D3322W
 10621         KM   RETRIEVAL OF SUB-BASIN DIVERSION
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10622          KM   SUB-BASIN 33-22
10623          DR  D3322W

10624          KK    C51F
10625          KM   NORTH/SOUTH STREET COMBINE
10626          KM   51ST AVENUE
10627          HC       2  24.666

10628          KK   S51JS
10629          KM   STREET CAPACITY DIVERSION
10630          KM   51ST
10631          KM   DIVERSION TO WEST
10632          KM   STORM DRAIN ALONG 51ST AVE
10633          KM   CAP= 286.0 CFS SOUTH
10634          DT   S51JW
10635          DI       0    322.    370.   1802.   2890.
10636          DQ       0     0.1     40.    918.   1584.

10637          KK    R51P
10638          KM   STREET ROUTE
10639          KM   SOUTH
10640          KM   51ST Avenue
10641          RS       3    FLOW     -1.
10642          RC    0.02   0.016    0.02   2670.  0.0032
10643          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
10644          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

10645          KK   CMD51
10646          KM   INTERSECTION COMBINE
10647          KM   MCDOWELL & 51ST
10648          HC       2  24.666

10649          KK   DMD51
10650          KM   STREET INTERSECTION DIVERSION
10651          KM   MCDOWELL & 51ST
10652          KM   14% West & 86% South
10653          KM   DIVERSION SOUTH
10654          KM   STORM DRAIN ALONG 51ST AVE
10655          KM   CAP= 286.0 CFS SOUTH
10656          DT   D51MD
10657          DI       0    286.  10286.
10658          DQ       0    286.   8886.

10659          KK    RMD6
10660          KM   STREET ROUTE
10661          KM   WEST
10662          KM   MCDOWELL
10663          RS       5    FLOW     -1.
10664          RC    0.02   0.016    0.02   2630.  0.0010
10665          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
10666          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
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 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


10667          KK   STR5S
10668          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
10669          KM   THOMAS
10670          DR   STR5S

10671          KK  R3222S
10672          KM   SUB-BASIN STREET ROUTE
10673          KM   SOUTH
10674          KM   RW= 170'
10675          KM   PAV= 113'
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10676          RS       5    FLOW     -1.
10677          RC    0.02   0.016    0.02   5260.  0.0032
10678          RX       0     0.1    28.5    38.5   131.5   141.5    170.   170.1
10679          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

10680          KK   32-22
10681          KM   SUB-BASIN 32-22
10682          KM   6-HOUR RAINFALL, PATTERN NO. 1.40 WAS USED TO FIND TC & R FOR THIS BASIN
10683          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .987
10684          KM     L = 1.34  Kb = .077  Adj. Slope =   15.0
10685          BA   1.005
10686          LG    .240    .150   7.600    .120  32.000
10687          UC   1.500    .731
10688          UA       0       5      16      30      65      77      84      90      94      97
10689          UA     100

10690          KK   S51JW
10691          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
10692          KM   51ST
10693          DR   S51JW

10694          KK  R3222W
10695          KM   SUB-BASIN STREET ROUTE
10696          KM   WEST
10697          KM   RW= 270'
10698          KM   PAV= 183'
10699          RS       8    FLOW     -1.
10700          RC    0.02   0.016    0.02   5270.  0.0015
10701          RX       0     0.1    43.5    53.5   216.5   226.5    270.   270.1
10702          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

10703          KK  C32-22
10704          KM   SUB-BASIN COMBINE
10705          HC       3  33.708

10706          KK  D3222S
10707          KM   SUB-BASIN DIVERSION
10708          KM   SUB-BASIN 32-22
10709          KM   57% West & 43% South
10710          DT  D3222W
10711          DI       0  10000.
10712          DQ       0   5700.
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LINE           ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

10713          KK    CMD4
10714          KM   EAST/WEST STREET COMBINE
10715          HC       2  33.708

10716          KK   SMD5W
10717          KM   STREET CAPACITY DIVERSION
10718          KM   MCDOWELL
10719          KM   DIVERSION TO SOUTH
10720          DT   SMD5S
10721          DI       0     23.     44.    740.   1269.
10722          DQ       0     0.1     15.    353.    609.

10723          KK    RMD7
10724          KM   STREET ROUTE
10725          KM   WEST
10726          KM   MCDOWELL
10727          RS       4    FLOW     -1.
10728          RC    0.02   0.016    0.02   2660.  0.0019
10729          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
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K/1 4PRINT

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10730          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

10731          KK   D59TR
10732          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
10733          KM   59TH & THOMAS
10734          DR   D59TR

10735          KK    R59P
10736          KM   STREET ROUTE
10737          KM   SOUTH
10738          KM   59TH Avenue
10739          RS       2    FLOW     -1.
10740          RC    0.02   0.016    0.02   2670.  0.0039
10741          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
10742          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

10743          KK  D3222W
10744          KM   RETRIEVAL OF SUB-BASIN DIVERSION
10745          KM   SUB-BASIN 32-22
10746          DR  D3222W

10747          KK    C59H
10748          KM   NORTH/SOUTH STREET COMBINE
10749          KM   59TH AVENUE
10750          HC       2  33.708

10751          KK   S59JS
10752          KM   STREET CAPACITY DIVERSION
10753          KM   59TH
10754          KM   DIVERSION TO WEST
10755          KM   STORM DRAIN ALONG 59TH AVE
10756          KM   CAP= 448.0 CFS SOUTH
10757          DT   S59JW
10758          DI       0    484.    570.   2852.   4583.
10759          DQ       0     0.1     78.   1800.   3106.
1                                          HEC-1 INPUT                                                    PAGE239

 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

10760          KK    R59Q
10761          KM   STREET ROUTE
10762          KM   SOUTH
10763          KM   59TH Avenue
10764          RS       3    FLOW     -1.
10765          RC    0.02   0.016    0.02   2600.  0.0031
10766          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
10767          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

10768          KK   CMD59
10769          KM   INTERSECTION COMBINE
10770          KM   MCDOWELL & 59TH
10771          HC       2  33.708

10772          KK   DMD59
10773          KM   STREET INTERSECTION DIVERSION
10774          KM   MCDOWELL & 59TH
10775          KM   44% West & 56% South
10776          KM   DIVERSION SOUTH
10777          KM   STORM DRAIN ALONG 59TH AVE
10778          KM   CAP= 448.0 CFS SOUTH
10779          DT   D59MD
10780          DI       0    448.  10448.
10781          DQ       0    448.   6048.

10782          KK    RMD8
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10783          KM   STREET ROUTE
10784          KM   WEST
10785          KM   MCDOWELL
10786          RS       3    FLOW     -1.
10787          RC    0.02   0.016    0.02   2620.  0.0021
10788          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
10789          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

10790          KK   STR6S
10791          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
10792          KM   THOMAS
10793          DR   STR6S

10794          KK  R3122S
10795          KM   SUB-BASIN STREET ROUTE
10796          KM   SOUTH
10797          KM   RW= 170'
10798          KM   PAV= 113'
10799          RS       5    FLOW     -1.
10800          RC    0.02   0.016    0.02   5280.  0.0038
10801          RX       0     0.1    28.5    38.5   131.5   141.5    170.   170.1
10802          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0
1                                            HEC-1 INPUT                                                    PAGE240

 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

10803          KK   31-22
10804          KM   SUB-BASIN 31-22
10805          KM   6-HOUR RAINFALL, PATTERN NO. 1.39 WAS USED TO FIND TC & R FOR THIS BASIN
10806          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .987
10807          KM     L = 1.28  Kb = .069  Adj. Slope =   16.0
10808          BA    .978
10809          LG    .250    .170   8.400    .090  25.000
10810          UC   1.500    .716
10811          UA       0       5      16      30      65      77      84      90      94      97
10812          UA     100

10813          KK   S59JW
10814          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
10815          KM   59TH
10816          DR   S59JW

10817          KK  R3122W
10818          KM   SUB-BASIN STREET ROUTE
10819          KM   WEST
10820          KM   RW= 420'
10821          KM   PAV= 288'
10822          RS       8    FLOW     -1.
10823          RC    0.02   0.016    0.02   5200.  0.0013
10824          RX       0     0.1    66.0    76.0   344.0   354.0    420.   420.1
10825          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

10826          KK  C31-22
10827          KM   SUB-BASIN COMBINE
10828          HC       3  43.820

10829          KK  D3122S
10830          KM   SUB-BASIN DIVERSION
10831          KM   SUB-BASIN 31-22
10832          KM   52% West & 48% South
10833          DT  D3122W
10834          DI       0  10000.
10835          DQ       0   5200.

10836          KK    CMD5
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K74PRINT

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10837          KM   EAST/WEST STREET COMBINE
10838          HC       2  43.820

10839          KK   SMD6W
10840          KM   STREET CAPACITY DIVERSION
10841          KM   MCDOWELL
10842          KM   DIVERSION TO SOUTH
10843          KM   STORM DRAIN ALONG McDOWELL RD.
10844          KM   CAP=  48.0 CFS WEST
10845          DT   SMD6S
10846          DI       0     72.     87.    660.   1096.
10847          DQ       0     0.1      9.    212.    365.
1                                           HEC-1 INPUT                                                    PAGE241

 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


10848          KK    RMD9
10849          KM   STREET ROUTE
10850          KM   WEST
10851          KM   MCDOWELL
10852          RS       5    FLOW     -1.
10853          RC    0.02   0.016    0.02   2530.  0.0009
10854          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
10855          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

10856          KK   D67TR
10857          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
10858          KM   67TH & THOMAS
10859          DR   D67TR

10860          KK    R67P
10861          KM   STREET ROUTE
10862          KM   SOUTH
10863          KM   67TH Avenue
10864          RS       3    FLOW     -1.
10865          RC    0.02   0.016    0.02   2650.  0.0037
10866          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
10867          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

10868          KK  D3122W
10869          KM   RETRIEVAL OF SUB-BASIN DIVERSION
10870          KM   SUB-BASIN 31-22
10871          DR  D3122W

10872          KK    C67H
10873          KM   NORTH/SOUTH STREET COMBINE
10874          KM   67TH AVENUE
10875          HC       2  43.820

10876          KK   S67JS
10877          KM   STREET CAPACITY DIVERSION
10878          KM   67TH
10879          KM   DIVERSION TO WEST
10880          KM   STORM DRAIN ALONG 67TH AVE
10881          KM   CAP= 532.0 CFS SOUTH
10882          DT   S67JW
10883          DI       0    569.    648.   2771.   4383.
10884          DQ       0     0.1     70.   1624.   2802.

10885          KK    R67Q
10886          KM   STREET ROUTE
10887          KM   SOUTH
10888          KM   67TH Avenue
10889          RS       3    FLOW     -1.
10890          RC    0.02   0.016    0.02   2640.  0.0035
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10891          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
10892          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
1                                          HEC-1 INPUT                                                    PAGE242

 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

10893          KK   CMD67
10894          KM   INTERSECTION COMBINE
10895          KM   MCDOWELL & 67TH
10896          HC       2  43.820

10897          KK   DMD67
10898          KM   STREET INTERSECTION DIVERSION
10899          KM   MCDOWELL & 67TH
10900          KM   41% West & 59% South
10901          KM   DIVERSION SOUTH
10902          KM   STORM DRAIN ALONG 67TH AVE
10903          KM   CAP= 532.0 CFS SOUTH
10904          DT   D67MD
10905          DI       0    532.  10532.
10906          DQ       0    532.   6432.

10907          KK   RMD10
10908          KM   STREET ROUTE
10909          KM   WEST
10910          KM   MCDOWELL
10911          RS       4    FLOW     -1.
10912          RC    0.02   0.016    0.02   2630.  0.0013
10913          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
10914          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

10915          KK   STR7S
10916          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
10917          KM   THOMAS
10918          DR   STR7S

10919          KK  R3621S
10920          KM   SUB-BASIN STREET ROUTE
10921          KM   SOUTH
10922          KM   RW= 170'
10923          KM   PAV= 113'
10924          RS       5    FLOW     -1.
10925          RC    0.02   0.016    0.02   5290.  0.0032
10926          RX       0     0.1    28.5    38.5   131.5   141.5    170.   170.1
10927          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

10928          KK   36-21
10929          KM   SUB-BASIN 36-21
10930          KM   6-HOUR RAINFALL, PATTERN NO. 1.40 WAS USED TO FIND TC & R FOR THIS BASIN
10931          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .987
10932          KM     L = 1.36  Kb = .073  Adj. Slope =   16.0
10933          BA   1.003
10934          LG    .260    .160   7.600    .120  28.000
10935          UC   1.500    .741
10936          UA       0       5      16      30      65      77      84      90      94      97
10937          UA     100
1                                          HEC-1 INPUT                                                    PAGE243

 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

10938          KK   S67JW
10939          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
10940          KM   67TH
10941          DR   S67JW
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10942          KK  R3621W
10943          KM   SUB-BASIN STREET ROUTE
10944          KM   WEST
10945          KM   RW= 420'
10946          KM   PAV= 228'
10947          RS       7    FLOW     -1.
10948          RC    0.02   0.016    0.02   5330.  0.0018
10949          RX       0     0.1    96.0   106.0   314.0   324.0    420.   420.1
10950          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

10951          KK  C36-21
10952          KM   SUB-BASIN COMBINE
10953          HC       3  46.343

10954          KK  D3621S
10955          KM   SUB-BASIN DIVERSION
10956          KM   SUB-BASIN 36-21
10957          KM   30% West & 70% South
10958          DT  D3621W
10959          DI       0  10000.
10960          DQ       0   3000.

10961          KK    CMD6
10962          KM   EAST/WEST STREET COMBINE
10963          HC       2  46.434

10964          KK   SMD7W
10965          KM   STREET CAPACITY DIVERSION
10966          KM   MCDOWELL
10967          KM   DIVERSION TO SOUTH
10968          DT   SMD7S
10969          DI       0     24.     37.    575.    983.
10970          DQ       0     0.1      8.    177.    305.

10971          KK   RMD11
10972          KM   STREET ROUTE
10973          KM   WEST
10974          KM   MCDOWELL
10975          RS       4    FLOW     -1.
10976          RC    0.02   0.016    0.02   2640.  0.0017
10977          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
10978          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

10979          KK   D75TR
10980          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
10981          KM   75TH & THOMAS
10982          DR   D75TR
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 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

10983          KK    R75R
10984          KM   STREET ROUTE
10985          KM   SOUTH
10986          KM   75TH Avenue
10987          RS       3    FLOW     -1.
10988          RC    0.02   0.016    0.02   2660.  0.0027
10989          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
10990          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

10991          KK  D3621W
10992          KM   RETRIEVAL OF SUB-BASIN DIVERSION
10993          KM   SUB-BASIN 36-21
10994          DR  D3621W
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10995          KK    C75H
10996          KM   NORTH/SOUTH STREET COMBINE
10997          KM   75TH AVENUE
10998          HC       2  46.343

10999          KK   S75KS
11000          KM   STREET CAPACITY DIVERSION
11001          KM   75TH
11002          KM   DIVERSION TO WEST
11003          KM   STORM DRAIN ALONG 75TH AVE
11004          KM   CAP= 467.0 CFS SOUTH
11005          DT   S75KW
11006          DI       0    499.    516.   1218.   1752.
11007          DQ       0     0.1      9.    218.    365.

11008          KK    R75S
11009          KM   STREET ROUTE
11010          KM   SOUTH
11011          KM   75TH Avenue
11012          RS       3    FLOW     -1.
11013          RC    0.02   0.016    0.02   2650.  0.0028
11014          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
11015          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

11016          KK   CMD75
11017          KM   INTERSECTION COMBINE
11018          KM   MCDOWELL & 75TH
11019          HC       2  46.343

11020          KK   DMD75
11021          KM   STREET INTERSECTION DIVERSION
11022          KM   MCDOWELL & 75TH
11023          KM   35% West & 65% South
11024          KM   DIVERSION SOUTH
11025          KM   STORM DRAIN ALONG 75TH AVE
11026          KM   CAP= 467.0 CFS SOUTH
11027          DT   D75MD
11028          DI       0    467.  10467.
11029          DQ       0    467.   6957.
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 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

11030          KK   RMD12
11031          KM   STREET ROUTE
11032          KM   WEST
11033          KM   MCDOWELL
11034          RS       3    FLOW     -1.
11035          RC    0.02   0.016    0.02   2630.  0.0026
11036          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
11037          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

11038          KK   STR8S
11039          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
11040          KM   THOMAS
11041          DR   STR8S

11042          KK  R3521S
11043          KM   SUB-BASIN STREET ROUTE
11044          KM   SOUTH
11045          KM   RW= 50'
11046          KM   PAV= 35'
11047          RS       6    FLOW     -1.
11048          RC    0.02   0.016    0.02   5150.  0.0027
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11049          RX       0     0.1     7.5    17.5    32.5    42.5     50.    50.1
11050          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

11051          KK   35-21
11052          KM   SUB-BASIN 35-21
11053          KM   6-HOUR RAINFALL, PATTERN NO. 1.40 WAS USED TO FIND TC & R FOR THIS BASIN
11054          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .987
11055          KM     L = 1.04  Kb = .065  Adj. Slope =   14.0
11056          BA    .991
11057          LG    .400    .160   8.800    .090  12.000
11058          UC   1.475    .591
11059          UA       0       5      16      30      65      77      84      90      94      97
11060          UA     100

11061          KK   RET35
11062          KM   RETENTION BASIN DIVERSION
11063          KM   SUB-BASIN 35-21
11064          KM   28% OF SUB-BASIN DRAINS TO RETENTION BASIN
11065          DT  D3521R   32.06
11066          DI       0  10000.
11067          DQ       0   2800.

11068          KK   S75KW
11069          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
11070          KM   75TH
11071          DR   S75KW

11072          KK  R3521W
11073          KM   SUB-BASIN STREET ROUTE
11074          KM   WEST
11075          KM   RW= 50'
11076          KM   PAV= 35'
11077          RS       6    FLOW     -1.
1                                   HEC-1 INPUT                                          PAGE246

 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

11078          RC    0.02   0.016    0.02   5220.  0.0027
11079          RX       0     0.1     7.5    17.5    32.5    42.5     50.    50.1
11080          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

11081          KK  C35-21
11082          KM   SUB-BASIN COMBINE
11083          HC       3  58.412

11084          KK  D3521S
11085          KM   SUB-BASIN DIVERSION
11086          KM   SUB-BASIN 35-21
11087          KM   42% West & 58% South
11088          DT  D3521W
11089          DI       0  10000.
11090          DQ       0   4200.

11091          KK    CMD7
11092          KM   EAST/WEST STREET COMBINE
11093          HC       2  58.412

11094          KK   SMD8W
11095          KM   STREET CAPACITY DIVERSION
11096          KM   MCDOWELL
11097          KM   DIVERSION TO SOUTH
11098          DT   SMD8S
11099          DI       0     31.     46.    692.   1183.
11100          DQ       0     0.1      8.    177.    305.

11101          KK   RMD13
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11102          KM   STREET ROUTE
11103          KM   WEST
11104          KM   MCDOWELL
11105          RS       3    FLOW     -1.
11106          RC    0.02   0.016    0.02   2680.  0.0025
11107          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
11108          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

11109          KK   D83TR
11110          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
11111          KM   83RD & THOMAS
11112          DR   D83TR

11113          KK    R83R
11114          KM   STREET ROUTE
11115          KM   SOUTH
11116          KM   83RD Avenue
11117          RS       3    FLOW     -1.
11118          RC    0.02   0.016    0.02   2640.  0.0032
11119          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
11120          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
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 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

11121          KK  D3521W
11122          KM   RETRIEVAL OF SUB-BASIN DIVERSION
11123          KM   SUB-BASIN 35-21
11124          DR  D3521W

11125          KK    C83I
11126          KM   NORTH/SOUTH STREET COMBINE
11127          KM   83RD AVENUE
11128          HC       2  66.127

11129          KK   S83JS
11130          KM   STREET CAPACITY DIVERSION
11131          KM   83RD
11132          KM   DIVERSION TO WEST
11133          KM   STORM DRAIN ALONG 83RD AVE
11134          KM   CAP= 243.0 CFS SOUTH
11135          DT   S83JW
11136          DI       0    276.    300.   1178.   1844.
11137          DQ       0     0.1     17.    388.    670.

11138          KK    R83S
11139          KM   STREET ROUTE
11140          KM   SOUTH
11141          KM   83RD Avenue
11142          RS       3    FLOW     -1.
11143          RC    0.02   0.016    0.02   2640.  0.0025
11144          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
11145          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

11146          KK   CMD83
11147          KM   INTERSECTION COMBINE
11148          KM   MCDOWELL & 83TH
11149          HC       2  66.127

11150          KK   DMD83
11151          KM   STREET INTERSECTION DIVERSION
11152          KM   MCDOWELL & 83RD
11153          KM   62% West & 38% South
11154          KM   DIVERSION SOUTH
11155          KM   STORM DRAIN ALONG 83RD AVE
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1271APRINT

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11156          KM   CAP= 243.0 CFS SOUTH
11157          DT   D83MD
11158          DI       0    243.  10243.
11159          DQ       0    243.   4023.

11160          KK   RMD14
11161          KM   STREET ROUTE
11162          KM   WEST
11163          KM   MCDOWELL
11164          RS       3    FLOW     -1.
11165          RC    0.02   0.016    0.02   2620.  0.0028
11166          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
11167          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
1                                                HEC-1 INPUT                                                    PAGE248

 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


11168          KK   STR9S
11169          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
11170          KM   THOMAS
11171          DR   STR9S

11172          KK  R3421S
11173          KM   SUB-BASIN STREET ROUTE
11174          KM   SOUTH
11175          KM   RW= 170'
11176          KM   PAV= 113'
11177          RS       7    FLOW     -1.
11178          RC    0.02   0.016    0.02   6140.  0.0026
11179          RX       0     0.1    28.5    38.5   131.5   141.5    170.   170.1
11180          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

11181          KK   34-21
11182          KM   SUB-BASIN 34-21
11183          KM   6-HOUR RAINFALL, PATTERN NO. 1.41 WAS USED TO FIND TC & R FOR THIS BASIN
11184          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .987
11185          KM     L = 1.48  Kb = .062  Adj. Slope =   14.0
11186          BA   1.006
11187          LG    .260    .180   8.800    .070  22.000
11188          UC   1.500    .791
11189          UA       0       5      16      30      65      77      84      90      94      97
11190          UA     100

11191          KK   S83JW
11192          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
11193          KM   83RD
11194          DR   S83JW

11195          KK  R3421W
11196          KM   SUB-BASIN STREET ROUTE
11197          KM   WEST
11198          KM   RW= 120'
11199          KM   PAV= 78'
11200          RS       7    FLOW     -1.
11201          RC    0.02   0.016    0.02   5460.  0.0023
11202          RX       0     0.1    21.0    31.0    89.0    99.0    120.   120.1
11203          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

11204          KK  C34-21
11205          KM   SUB-BASIN COMBINE
11206          HC       3  75.397

11207          KK  D3421S
11208          KM   SUB-BASIN DIVERSION
11209          KM   SUB-BASIN 34-21
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11210          KM   55% West & 45% South
11211          DT  D3421W
11212          DI       0  10000.
11213          DQ       0   5500.
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 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

11214          KK    CMD8
11215          KM   EAST/WEST STREET COMBINE
11216          HC       2  75.397

11217          KK   SMD9W
11218          KM   STREET CAPACITY DIVERSION
11219          KM   MCDOWELL
11220          KM   DIVERSION TO SOUTH
11221          DT   SMD9S
11222          DI       0     28.     43.    645.   1104.
11223          DQ       0     0.1      8.    177.    305.

11224          KK   RMD15
11225          KM   STREET ROUTE
11226          KM   WEST
11227          KM   MCDOWELL
11228          RS       4    FLOW     -1.
11229          RC    0.02   0.016    0.02   2560.  0.0014
11230          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
11231          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

11232          KK   D91TR
11233          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
11234          KM   91ST & THOMAS
11235          DR   D91TR

11236          KK    R910
11237          KM   STREET ROUTE
11238          KM   SOUTH
11239          KM   91ST Avenue
11240          RS       3    FLOW     -1.
11241          RC    0.02   0.016    0.02   2650.  0.0023
11242          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
11243          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

11244          KK  D3421W
11245          KM   RETRIEVAL OF SUB-BASIN DIVERSION
11246          KM   SUB-BASIN 34-21
11247          DR  D3421W

11248          KK    C91H
11249          KM   NORTH/SOUTH STREET COMBINE
11250          KM   91ST AVENUE
11251          HC       2  75.397

11252          KK   S91HS
11253          KM   STREET CAPACITY DIVERSION
11254          KM   91ST
11255          KM   DIVERSION TO WEST
11256          KM   STORM DRAIN ALONG 91ST AVE
11257          KM   CAP= 380.0 CFS SOUTH
11258          DT   S91HW
11259          DI       0    408.    425.   1067.   1556.
11260          DQ       0     0.1      9.    212.    365.
```



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 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10
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K/L4PRINT

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11261          KK    R91P
11262          KM   STREET ROUTE
11263          KM   SOUTH
11264          KM   91ST Avenue
11265          RS       4    FLOW     -1.
11266          RC    0.02   0.016    0.02   2700.  0.0020
11267          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
11268          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

11269          KK   CMD91
11270          KM   INTERSECTION COMBINE
11271          KM   MCDOWELL & 91ST
11272          HC       2  75.397

11273          KK   DMD91
11274          KM   STREET INTERSECTION DIVERSION
11275          KM   MCDOWELL & 91ST
11276          KM   42% West & 58% South
11277          KM   DIVERSION SOUTH
11278          KM   STORM DRAIN ALONG 91ST AVE
11279          KM   CAP= 380.0 CFS SOUTH
11280          DT   D91MD
11281          DI       0    380.  10380.
11282          DQ       0    380.   6180.

11283          KK   RMD16
11284          KM   STREET ROUTE
11285          KM   WEST
11286          KM   MCDOWELL
11287          RS       6    FLOW     -1.
11288          RC    0.02   0.016    0.02   2660.  0.0006
11289          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
11290          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

11291          KK  STR10S
11292          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
11293          KM   THOMAS
11294          DR  STR10S

11295          KK  R3321S
11296          KM   SUB-BASIN STREET ROUTE
11297          KM   SOUTH
11298          KM   RW= 50'
11299          KM   PAV= 35'
11300          RS       7    FLOW     -1.
11301          RC    0.02   0.016    0.02   5160.  0.0019
11302          RX       0     0.1     7.5    17.5    32.5    42.5     50.    50.1
11303          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0
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 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

11304          KK   33-21
11305          KM   SUB-BASIN 33-21
11306          KM   6-HOUR RAINFALL, PATTERN NO. 1.40 WAS USED TO FIND TC & R FOR THIS BASIN
11307          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .987
11308          KM     L = 1.32  Kb = .077  Adj. Slope =    7.0
11309          BA    .991
11310          LG    .480    .140   9.700    .070   4.000
11311          UC   1.500    .728
11312          UA       0       5      16      30      65      77      84      90      94      97
11313          UA     100
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11314          KK   S91HW
11315          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
11316          KM   91ST
11317          DR   S91HW

11318          KK  R3321W
11319          KM   SUB-BASIN STREET ROUTE
11320          KM   WEST
11321          KM   RW= 50'
11322          KM   PAV= 35'
11323          RS      11    FLOW     -1.
11324          RC    0.02   0.016    0.02   5300.  0.0008
11325          RX       0     0.1     7.5    17.5    32.5    42.5     50.    50.1
11326          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

11327          KK  C33-21
11328          KM   SUB-BASIN COMBINE
11329          HC       3  81.256

11330          KK  D3321S
11331          KM   SUB-BASIN DIVERSION
11332          KM   SUB-BASIN 33-21
11333          KM   62% West & 38% South
11334          DT  D3321W
11335          DI       0  10000.
11336          DQ       0   6200.

11337          KK   RES33
11338          KM   PONDING AREA RESERVOIR ROUTE
11339          KM   PONDING AREA NORTHEAST OF RID CANAL
11340          KM   SUB-BASIN 33-21
11341          RS       1    ELEV   1122.
11342          SV       0   64.70  177.70  256.70  350.83
11343          SE   1122.   1123.   1124.  1124.5   1125.
11344          SQ      0.     0.1   1355.   7170.  31884.

11345          KK    CMD9
11346          KM   EAST/WEST STREET COMBINE
11347          HC       2  81.256
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 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

11348          KK  SMD10W
11349          KM   STREET CAPACITY DIVERSION
11350          KM   MCDOWELL
11351          KM   DIVERSION TO SOUTH
11352          DT  SMD10S
11353          DI       0     15.     28.    467.    800.
11354          DQ       0     0.1      9.    212.    365.

11355          KK  RMD16A
11356          KM   STREET ROUTE
11357          KM   WEST
11358          KM   MCDOWELL
11359          RS       6    FLOW     -1.
11360          RC    0.02   0.016    0.02   2660.  0.0006
11361          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
11362          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

11363          KK   D99TR
11364          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
11365          KM   99TH & THOMAS
11366          DR   D99TR
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11367          KK    R99J
11368          KM   STREET ROUTE
11369          KM   SOUTH
11370          KM   99TH Avenue
11371          RS       9    FLOW     -1.
11372          RC    0.02   0.016    0.02   2690.  0.0003
11373          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
11374          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

11375          KK  D3321W
11376          KM   RETRIEVAL OF SUB-BASIN DIVERSION
11377          KM   SUB-BASIN 33-21
11378          DR  D3321W

11379          KK    C99E
11380          KM   NORTH/SOUTH STREET COMBINE
11381          KM   99TH AVENUE
11382          HC       2  81.256

11383          KK   S99ES
11384          KM   STREET CAPACITY DIVERSION
11385          KM   99TH
11386          KM   DIVERSION TO WEST
11387          DT   S99EW
11388          DI       0     19.     31.    490.    838.
11389          DQ       0     0.1      7.    177.    305.
1                                            HEC-1 INPUT                                                    PAGE253

 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


11390          KK    R99K
11391          KM   STREET ROUTE
11392          KM   SOUTH
11393          KM   99TH Avenue
11394          RS       4    FLOW     -1.
11395          RC    0.02   0.016    0.02   2640.  0.0016
11396          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
11397          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

11398          KK   CMD99
11399          KM   INTERSECTION COMBINE
11400          KM   MCDOWELL & 99TH
11401          HC       2  81.256

11402          KK   DMD99
11403          KM   STREET INTERSECTION DIVERSION
11404          KM   MCDOWELL & 99TH
11405          KM   28% West & 72% South
11406          DT   D99MD
11407          DI       0  10000.
11408          DQ       0   7200.

11409          KK   RMD17
11410          KM   STREET ROUTE
11411          KM   WEST
11412          KM   MCDOWELL
11413          RS       4    FLOW     -1.
11414          RC    0.02   0.016    0.02   2660.  0.0018
11415          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
11416          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

11417          KK  32-21E
11418          KM   SUB-BASIN 32-21E
11419          KM   6-HOUR RAINFALL, PATTERN NO. 1.00 WAS USED TO FIND TC & R FOR THIS BASIN
11420          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .997
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11421          KM     L =  .49  Kb = .088  Adj. Slope =   10.0
11422          BA    .243
11423          LG    .450    .140   9.700    .070  10.000
11424          UC   1.163    .554
11425          UA      0       5      16      30      65      77      84      90      94      97
11426          UA    100

11427          KK   S99EW
11428          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
11429          KM   99TH AVENUE
11430          DR   S99EW

11431          KK  C3221E
11432          KM   SUB-BASIN COMBINE
11433          HC       2  81.499
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 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

11434          KK  RES32E
11435          KM   PONDING AREA RESERVOIR ROUTE
11436          KM   PONDING AREA EAST OF RID CANAL
11437          KM   SUB-BASIN 32-21E
11438          RS       1    ELEV   1020.
11439          SV       0   15.73   25.07   35.38   85.58
11440          SE   1020.   1021.  1021.5   1022.   1023.
11441          SQ      0.     0.1   1069.   3077   11170.

11442          KK  32-21W
11443          KM   SUB-BASIN 32-21W
11444          KM   6-HOUR RAINFALL, PATTERN NO. 1.25 WAS USED TO FIND TC & R FOR THIS BASIN
11445          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .990
11446          KM     L =  .90  Kb = .079  Adj. Slope =    1.0
11447          BA    .772
11448          LG    .470    .150   8.800    .090   5.000
11449          UC   1.000    .394
11450          UA      0       5      16      30      65      77      84      90      94      97
11451          UA    100

11452          KK  C3221W
11453          KM   SUB-BASIN COMBINE
11454          HC       2  82.271

11455          KK  D3221S
11456          KM   SUB-BASIN DIVERSION
11457          KM   SUB-BASIN 32-21W
11458          KM   94% West & 6% South
11459          DT  D3221W
11460          DI       0  10000.
11461          DQ       0   9400.

11462          KK   CMD10
11463          KM   EAST/WEST STREET COMBINE
11464          HC       2  82.271

11465          KK  SMD11W
11466          KM   STREET CAPACITY DIVERSION
11467          KM   MCDOWELL
11468          KM   DIVERSION TO SOUTH
11469          DT  SMD11S
11470          DI       0     28.     42.    639.   1092.
11471          DQ       0     0.1      8.    177.    305.

11472          KK   RMD18
11473          KM   STREET ROUTE
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K/A 4PRINT

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11474          KM   WEST
11475          KM   MCDOWELL
11476          RS       3    FLOW     -1.
11477          RC    0.02   0.016    0.02   2620.  0.0023
11478          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
11479          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
1                                          HEC-1 INPUT                                                    PAGE255

 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


11480          KK  D107TR
11481          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
11482          KM   107TH & THOMAS
11483          DR  D107TR

11484          KK  D3221W
11485          KM   RETRIEVAL OF SUB-BASIN DIVERSION
11486          KM   SUB-BASIN 32-21W
11487          DR  D3221W

11488          KK   C107D
11489          KM   NORTH/SOUTH STREET COMBINE
11490          KM   107TH AVENUE
11491          HC       2  85.017

11492          KK  S107BS
11493          KM   STREET CAPACITY DIVERSION
11494          KM   107TH AVENUE
11495          KM   DIVERSION TO WEST
11496          KM   100% FLOW TO SOUTH
11497          DT  S107BW
11498          DI       0  10000.
11499          DQ       0     0.1

11500          KK   R107D
11501          KM   CHANNEL ROUTE ALONG THE WEST SIDE OF 107TH AVENUE
11502          KM   SOUTH
11503          RS       4    FLOW     -1.
11504          RC    0.02   0.016    0.02   2640.  0.0023
11505          RX     0.0     0.1      4.     8.0     12.    16.0    19.1     20.
11506          RY     8.0     7.9     4.0     0.0     0.0     4.0     7.9     8.0

11507          KK  CMD107
11508          KM   INTERSECTION COMBINE
11509          KM   MCDOWELL & 107TH
11510          HC       2  85.017

11511          KK  DMD107
11512          KM   STREET INTERSECTION DIVERSION
11513          KM   MCDOWELL & 107TH
11514          KM   100% West & 0% South
11515          DT  D107MD
11516          DI       0  10000.
11517          DQ       0  10000.

11518          KK   RMD19
11519          KM   STREET ROUTE
11520          KM   WEST
11521          KM   MCDOWELL
11522          RS       3    FLOW     -1.
11523          RC    0.02   0.016    0.02   2650.  0.0020
11524          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
11525          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
1                                          HEC-1 INPUT                                                    PAGE256
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 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

 11526         KK  STR11S
 11527         KM   RETRIEVAL OF STREET CAPACITY DIVERSION
 11528         KM   THOMAS
 11529         DR  STR11S

 11530         KK  R3121S
 11531         KM   SUB-BASIN STREET ROUTE
 11532         KM   SOUTH
 11533         KM   RW= 50'
 11534         KM   PAV= 35'
 11535         RS      11    FLOW     -1.
 11536         RC    0.02   0.016    0.02   5340.  0.0008
 11537         RX       0     0.1     7.5    17.5    32.5    42.5     50.    50.1
 11538         RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

 11539         KK   31-21
 11540         KM   SUB-BASIN 31-21
 11541         KM   6-HOUR RAINFALL, PATTERN NO. 1.38 WAS USED TO FIND TC & R FOR THIS BASIN
 11542         KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .987
 11543         KM     L = 1.20  Kb = .080  Adj. Slope =    9.0
 11544         BA    .965
 11545         LG    .500    .150   8.000    .130    .000
 11546         UC   1.500    .685
 11547         UA       0       5      16      30      65      77      84      90      94      97
 11548         UA     100

 11549         KK  S107BW
 11550         KM   RETRIEVAL OF STREET CAPACITY DIVERSION
 11551         KM   107TH
 11552         DR  S107BW

 11553         KK  C31-21
 11554         KM   SUB-BASIN COMBINE
 11555         HC       3  86.731

 11556         KK  D3121S
 11557         KM   SUB-BASIN DIVERSION
 11558         KM   SUB-BASIN 31-21
 11559         KM   60% West & 40% South
 11560         DT  D3121W
 11561         DI       0  10000.
 11562         DQ       0   6000.

 11563         KK   CMD11
 11564         KM   EAST/WEST STREET COMBINE
 11565         HC       2  86.731

 11566         KK  SMD12W
 11567         KM   STREET CAPACITY DIVERSION
 11568         KM   MCDOWELL
 11569         KM   DIVERSION TO SOUTH
 11570         DT  SMD12S
 11571         DI       0     29.     45.    672.   1149.
 11572         DQ       0     0.1      8.    177.    305.
1                                           HEC-1 INPUT                                          PAGE257

 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

 11573         KK   RMD20
 11574         KM   STREET ROUTE
 11575         KM   WEST
 11576         KM   MCDOWELL
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11577          RS       3    FLOW     -1.
11578          RC    0.02   0.016    0.02   2450.  0.0027
11579          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
11580          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

11581          KK  D115TR
11582          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
11583          KM   115TH & THOMAS
11584          DR  D115TR

11585          KK   R115A
11586          KM   STREET ROUTE
11587          KM   SOUTH
11588          KM   115TH Avenue
11589          RS       3    FLOW     -1.
11590          RC    0.02   0.016    0.02   2650.  0.0021
11591          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
11592          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

11593          KK  D3121W
11594          KM   RETRIEVAL OF SUB-BASIN DIVERSION
11595          KM   SUB-BASIN 31-21
11596          DR  D3121W

11597          KK   C115A
11598          KM   NORTH/SOUTH STREET COMBINE
11599          KM   115TH AVENUE
11600          HC       2  86.731

11601          KK  S115AS
11602          KM   STREET CAPACITY DIVERSION
11603          KM   115TH
11604          KM   DIVERSION TO WEST
11605          DT  S115AW
11606          DI       0     26.     41.    645.   1104.
11607          DQ       0     0.1      9.    212.    365.

11608          KK   R115B
11609          KM   STREET ROUTE
11610          KM   SOUTH
11611          KM   115TH Avenue
11612          RS       4    FLOW     -1.
11613          RC    0.02   0.016    0.02   2630.  0.0015
11614          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
11615          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
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 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

11616          KK  CMD115
11617          KM   INTERSECTION COMBINE
11618          KM   MCDOWELL & 115TH
11619          HC       2  86.731

11620          KK  DMD115
11621          KM   STREET INTERSECTION DIVERSION
11622          KM   MCDOWELL & 115TH
11623          KM   41% West & 59% South
11624          DT  D115MD
11625          DI       0  10000.
11626          DQ       0   5900.

11627          KK   RMD21
11628          KM   STREET ROUTE
11629          KM   WEST
```

```
11630   KM   MCDOWELL
11631   RS       4    FLOW     -1.
11632   RC    0.02   0.016    0.02   2650.  0.0018
11633   RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
11634   RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

11635   KK  36-W21
11636   KM   SUB-BASIN 36-W21
11637   KM   6-HOUR RAINFALL, PATTERN NO. 1.30 WAS USED TO FIND TC & R FOR THIS BASIN
11638   KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .989
11639   KM     L =  .92  Kb = .070  Adj. Slope =   27.0
11640   BA    .837
11641   LG    .400    .210   5.400    .340  20.000
11642   UC   1.212    .474
11643   UA       0       5      16      30      65      77      84      90      94      97
11644   UA     100

11645   KK  S115AW
11646   KM   RETRIEVAL OF STREET CAPACITY DIVERSION
11647   KM   115TH
11648   DR  S115AW

11649   KK  R3621A
11650   KM   SUB-BASIN STREET ROUTE
11651   KM   WEST
11652   KM   RW= 70'
11653   KM   PAV= 43'
11654   RS       2    FLOW     -1.
11655   RC    0.02   0.016    0.02   3400.  0.0066
11656   RX       0     0.1    13.5    23.5    46.5    56.5     70.    70.1
11657   RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

11658   KK  C36W21
11659   KM   SUB-BASIN COMBINE
11660   HC       2  87.567
```



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 LINE   ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

11661   KK  D36W21
11662   KM   SUB-BASIN DIVERSION
11663   KM   SUB-BASIN 36-W21
11664   KM   66% West & 34% South
11665   DT  D36S21
11666   DI       0  10000.
11667   DQ       0   6600.

11668   KK   CMD12
11669   KM   EAST/WEST STREET COMBINE
11670   HC       2  87.567

11671   KK  SMD13W
11672   KM   STREET CAPACITY DIVERSION
11673   KM   MCDOWELL
11674   KM   DIVERSION TO SOUTH
11675   DT  SMD13S
11676   DI       0     35.     59.    942.   1613.
11677   DQ       0     0.1     15.    353.    609.

11678   KK   RMD22
11679   KM   STREET ROUTE
11680   KM   WEST
11681   KM   MCDOWELL
11682   RS       4    FLOW     -1.
11683   RC    0.02   0.016    0.02   4840.  0.0041
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11684          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
11685          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

11686          KK  D36S21
11687          KM   RETRIEVAL OF SUB-BASIN DIVERSION
11688          KM   SUB-BASIN 36-W21
11689          DR  D36S21

11690          KK   NULL9
11691          KM   COMBINE FLOWS FROM MCDOWELL COMPUTATIONAL PATH WITH THOMAS
11692          HC       3      1.
               *
               *  I-10 COMPUTATIONAL PATH
               *

11693          KK   D27MD
11694          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
11695          KM   27TH & MCDOWELL
11696          DR   D27MD

11697          KK    1-12
11698          KM   SUB-BASIN 1-12
11699          KM   6-HOUR RAINFALL, PATTERN NO. 1.00 WAS USED TO FIND TC & R FOR THIS BASIN
11700          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .999
11701          KM     L =  .45  Kb = .029  Adj. Slope =   18.0
11702          BA    .099
11703          LG    .110    .260   5.600    .270  71.000
11704          UC    .333    .216
1                                          HEC-1 INPUT                                          PAGE260

 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

11705          UA       0       5      16      30      65      77      84      90      94      97
11706          UA     100

11707          KK   C1-12
11708          KM   SUB-BASIN COMBINE
11709          HC       2  17.358

11710          KK   DI10A
11711          KM   INTERSECTION DIVERSION
11712          KM   I-10 & 27TH
11713          KM   100% West & 0% South
11714          KM   DIVERSION SOUTH
11715          KM   STORM DRAIN ALONG 27TH AVE
11716          KM   CAP= 131.0 CFS SOUTH
11717          DT   DA1IO
11718          DI       0    131.  10131.
11719          DQ       0    131.    131.

11720          KK   R212W
11721          KM   SUB-BASIN STREET ROUTE
11722          KM   WEST
11723          KM   RW= 50'
11724          KM   PAV= 35'
11725          RS      15    FLOW     -1.
11726          RC    0.02   0.016    0.02   5300.  0.0004
11727          RX       0     0.1     7.5    17.5    32.5    42.5     50.    50.1
11728          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

11729          KK   D35MD
11730          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
11731          KM   35TH & MCDOWELL
11732          DR   D35MD

11733          KK   SMD1S
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11734          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
11735          KM   MCDOWELL
11736          DR   SMD1S

11737          KK   R212S
11738          KM   SUB-BASIN STREET ROUTE
11739          KM   SOUTH
11740          KM   RW= 270'
11741          KM   PAV= 183'
11742          RS       4    FLOW     -1.
11743          RC    0.02   0.016    0.02   3590.  0.0027
11744          RX       0     0.1    43.5    53.5   216.5   226.5    270.   270.1
11745          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

11746          KK    2-12
11747          KM   SUB-BASIN 2-12
11748          KM   6-HOUR RAINFALL, PATTERN NO. 1.00 WAS USED TO FIND TC & R FOR THIS BASIN
11749          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .997
11750          KM     L =  .70  Kb = .050  Adj. Slope =   14.0
11751          BA    .229
11752          LG    .160    .140  10.100    .040  53.000
1                                           HEC-1 INPUT                                                    PAGE261

 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

11753          UC    .708    .439
11754          UA       0       5      16      30      65      77      84      90      94      97
11755          UA     100

11756          KK   C2-12
11757          KM   SUB-BASIN COMBINE
11758          HC       4  19.056

11759          KK   DI10B
11760          KM   INTERSECTION DIVERSION
11761          KM   I-10 & 35TH
11762          KM   100% West & 0% South
11763          DT   DBI10
11764          DI       0  10000.
11765          DQ       0     0.1

11766          KK   R312W
11767          KM   SUB-BASIN STREET ROUTE
11768          KM   WEST
11769          KM   RW= 100'
11770          KM   PAV= 70'
11771          RS      12    FLOW     -1.
11772          RC    0.02   0.016    0.02   5430.  0.0007
11773          RX       0     0.1    15.0    25.0    75.0    85.0    100.   100.1
11774          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

11775          KK   D43MD
11776          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
11777          KM   43RD & MCDOWELL
11778          DR   D43MD

11779          KK   SMD2S
11780          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
11781          KM   MCDOWELL
11782          DR   SMD2S

11783          KK   R312S
11784          KM   SUB-BASIN STREET ROUTE
11785          KM   SOUTH
11786          KM   RW= 220'
11787          KM   PAV= 148'
```

```
11788          RS       6    FLOW     -1.
11789          RC    0.02   0.016    0.02   3840.  0.0015
11790          RX       0     0.1    36.0    46.0   174.0   184.0    220.   220.1
11791          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

11792          KK    3-12
11793          KM   SUB-BASIN 3-12
11794          KM   6-HOUR RAINFALL, PATTERN NO. 1.00 WAS USED TO FIND TC & R FOR THIS BASIN
11795          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .997
11796          KM     L =  .72  Kb = .081  Adj. Slope =    7.0
11797          BA    .241
11798          LG    .220    .150   9.700    .060  44.000
11799          UC   1.487    .995
11800          UA       0       5      16      30      65      77      84      90      94      97
1                                                HEC-1 INPUT                                                    PAGE262

 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

11801          UA     100

11802          KK   C3-12
11803          KM   SUB-BASIN COMBINE
11804          HC       4  21.767

11805          KK   DI10C
11806          KM   INTERSECTION DIVERSION
11807          KM   I-10 & 43RD
11808          KM   100% West & 0% South
11809          KM   DIVERSION SOUTH
11810          KM   STORM DRAIN ALONG 43RD AVE
11811          KM   CAP= 207.0 CFS SOUTH
11812          DT   DC11O
11813          DI       0    207.  10207.
11814          DQ       0    207.    207.

11815          KK   R412W
11816          KM   I-10 CHANNEL ROUTE
11817          KM   WEST
11818          KM   BOTTOM WIDTH = 30'
11819          KM   TOP WIDTH = 100'
11820          KM   DEPTH = 18'
11821          KM   SIDE SLOPES = 2:1
11822          RS       2    FLOW     -1.
11823          RC    0.02   0.016    0.02   5180.  0.0027
11824          RX       0     0.1    18.0    36.0    66.0    84.0   102.0   102.1
11825          RY    18.0   17.05     9.0     0.0     0.0     9.0   17.05    18.0

11826          KK   D51MD
11827          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
11828          KM   51ST & MCDOWELL
11829          DR   D51MD

11830          KK   SMD4S
11831          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
11832          KM   MCDOWELL
11833          DR   SMD4S

11834          KK   SMD3S
11835          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
11836          KM   MCDOWELL
11837          DR   SMD3S

11838          KK   C4-12
11839          KM   SUB-BASIN COMBINE
11840          HC       2  24.666
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11841   KK   R412S
11842   KM   SUB-BASIN STREET ROUTE
11843   KM   SOUTH
11844   KM   RW= 210'
11845   KM   PAV= 129'
11846   RS       6    FLOW     -1.
11847   RC    0.02   0.016    0.02   3390.  0.0012
```



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 LINE   ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

11848   RX       0     0.1    40.5    50.5   159.5   169.5    210.   210.1
11849   RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

11850   KK    4-12
11851   KM   SUB-BASIN 4-12
11852   KM   6-HOUR RAINFALL, PATTERN NO. 1.00 WAS USED TO FIND TC & R FOR THIS BASIN
11853   KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .997
11854   KM     L =  .71  Kb = .028  Adj. Slope =    9.0
11855   BA    .216
11856   LG    .200    .250   9.700    .040   1.000
11857   UC    .604    .385
11858   UA       0       5      16      30      65      77      84      90      94      97
11859   UA     100

11860   KK  CI1051
11861   KM   SUB-BASIN COMBINE
11862   HC       4  25.452

11863   KK   DI10D
11864   KM   INTERSECTION DIVERSION
11865   KM   I-10 & 51ST
11866   KM   100% West & 0% South
11867   DT   DDI10
11868   DI       0  10000.
11869   DQ       0     0.0

11870   KK   R512W
11871   KM   I-10 CHANNEL ROUTE
11872   KM   WEST
11873   KM   BOTTOM WIDTH = 30'
11874   KM   TOP WIDTH = 100'
11875   KM   DEPTH = 18'
11876   KM   SIDE SLOPES = 2:1
11877   RS       3    FLOW     -1.
11878   RC    0.02   0.016    0.02   5150.  0.0017
11879   RX       0     0.1    18.0    36.0    66.0    84.0   102.0   102.1
11880   RY    18.0   17.05     9.0     0.0     0.0     9.0   17.05    18.0

11881   KK   D59MD
11882   KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
11883   KM   59TH & MCDOWELL
11884   DR   D59MD

11885   KK   SMD5S
11886   KM   RETRIEVAL OF STREET CAPACITY DIVERSION
11887   KM   MCDOWELL
11888   DR   SMD5S

11889   KK   R512S
11890   KM   SUB-BASIN STREET ROUTE
11891   KM   SOUTH
11892   KM   RW= 50'
11893   KM   PAV= 35'
11894   RS       4    FLOW     -1.
11895   RC    0.02   0.016    0.02   3210.  0.0019
```


K&T4PRINT

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 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

11896          RX       0     0.1     7.5    17.5    32.5    42.5     50.    50.1
11897          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

11898          KK    5-12
11899          KM   SUB-BASIN 5-12
11900          KM   6-HOUR RAINFALL, PATTERN NO. 1.00 WAS USED TO FIND TC & R FOR THIS BASIN
11901          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .998
11902          KM     L =  .90  Kb = .059  Adj. Slope =   14.0
11903          BA    .184
11904          LG    .220    .200   9.700    .050  21.000
11905          UC   1.029    .922
11906          UA       0       5      16      30      65      77      84      90      94      97
11907          UA     100

11908          KK   C5-12
11909          KM   SUB-BASIN COMBINE
11910          HC       4  34.679

11911          KK   DI10E
11912          KM   INTERSECTION DIVERSION
11913          KM   I-10 & 59TH
11914          KM   100% West & 0% South
11915          DT   DEI10
11916          DI       0  10000.
11917          DQ       0     0.0

11918          KK   R612W
11919          KM   I-10 CHANNEL ROUTE
11920          KM   WEST
11921          KM   BOTTOM WIDTH = 30'
11922          KM   TOP WIDTH = 100'
11923          KM   DEPTH = 18'
11924          KM   SIDE SLOPES = 2:1
11925          RS       3    FLOW     -1.
11926          RC    0.02   0.016    0.02   5060.  0.0012
11927          RX       0     0.1    18.0    36.0    66.0    84.0   102.0   102.1
11928          RY    18.0   17.05     9.0     0.0     0.0     9.0   17.05    18.0

11929          KK   D67MD
11930          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
11931          KM   67TH & MCDOWELL
11932          DR   D67MD

11933          KK   SMD6S
11934          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
11935          KM   MCDOWELL
11936          DR   SMD6S

11937          KK   R612S
11938          KM   SUB-BASIN STREET ROUTE
11939          KM   SOUTH
11940          KM   RW= 70'
11941          KM   PAV= 43'
11942          RS       4    FLOW     -1.
11943          RC    0.02   0.016    0.02   2620.  0.0018
```



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 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

11944          RX       0     0.1    13.5    23.5    46.5    56.5     70.    70.1
11945          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0
```

```
11946    KK   6-12
11947    KM   SUB-BASIN 6-12
11948    KM   6-HOUR RAINFALL, PATTERN NO. 1.00 WAS USED TO FIND TC & R FOR THIS BASIN
11949    KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .998
11950    KM     L =  .93  Kb = .044  Adj. Slope =   10.0
11951    BA   .180
11952    LG   .210    .220   9.700    .040  16.000
11953    UC   .975    .902
11954    UA      0       5      16      30      65      77      84      90      94      97
11955    UA    100

11956    KK   C6-12
11957    KM   SUB-BASIN COMBINE
11958    HC       4  44.970

11959    KK   DI10F
11960    KM   INTERSECTION DIVERSION
11961    KM   I-10 & 67TH
11962    KM   100% West & 0% South
11963    DT   DFI10
11964    DI       0  10000.
11965    DQ       0     0.0

11966    KK   R111W
11967    KM   I-10 CHANNEL ROUTE
11968    KM   WEST
11969    KM   BOTTOM WIDTH = 30'
11970    KM   TOP WIDTH = 100'
11971    KM   DEPTH = 18'
11972    KM   SIDE SLOPES = 2:1
11973    RS       2    FLOW     -1.
11974    RC    0.02   0.016    0.02   5000.  0.0020
11975    RX       0     0.1    18.0    36.0    66.0    84.0   102.0   102.1
11976    RY    18.0   17.05     9.0     0.0     0.0     9.0   17.05    18.0

11977    KK   D75MD
11978    KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
11979    KM   75TH & MCDOWELL
11980    DR   D75MD

11981    KK   SMD7S
11982    KM   RETRIEVAL OF STREET CAPACITY DIVERSION
11983    KM   MCDOWELL
11984    DR   SMD7S

11985    KK   R111S
11986    KM   SUB-BASIN STREET ROUTE
11987    KM   SOUTH
11988    KM   RW= 150'
11989    KM   PAV= 105'
11990    RS       4    FLOW     -1.
11991    RC    0.02   0.016    0.02   3220.  0.0019
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 LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

11992    RX       0     0.1    22.5    32.5   117.5   127.5    150.   150.1
11993    RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

11994    KK    1-11
11995    KM   SUB-BASIN 1-11
11996    KM   6-HOUR RAINFALL, PATTERN NO. 1.00 WAS USED TO FIND TC & R FOR THIS BASIN
11997    KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .998
11998    KM     L =  .92  Kb = .066  Adj. Slope =   13.0
11999    BA   .182
12000    LG   .320    .270   6.600    .170   9.000
```

```
12001          UC   1.500   1.434
12002          UA       0       5      16      30      65      77      84      90      94      97
12003          UA     100

12004          KK   C1-11
12005          KM   SUB-BASIN COMBINE
12006          HC       4  47.765

12007          KK   DI10G
12008          KM   INTERSECTION DIVERSION
12009          KM   I-10 & 75TH
12010          KM   100% West & 0% South
12011          DT   DGI10
12012          DI       0  10000.
12013          DQ       0     0.0

12014          KK   R211W
12015          KM   I-10 CHANNEL ROUTE
12016          KM   WEST
12017          KM   BOTTOM WIDTH = 30'
12018          KM   TOP WIDTH = 100'
12019          KM   DEPTH = 18'
12020          KM   SIDE SLOPES = 2:1
12021          RS       3    FLOW     -1.
12022          RC    0.02   0.016    0.02   5130.  0.0016
12023          RX       0     0.1    18.0    36.0    66.0    84.0   102.0   102.1
12024          RY    18.0   17.05     9.0     0.0     0.0     9.0   17.05    18.0

12025          KK   D83MD
12026          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
12027          KM   83RD & MCDOWELL
12028          DR   D83MD

12029          KK   SMD8S
12030          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
12031          KM   MCDOWELL
12032          DR   SMD8S

12033          KK   R211S
12034          KM   SUB-BASIN STREET ROUTE
12035          KM   SOUTH
12036          KM   RW= 50'
12037          KM   PAV= 35'
12038          RS       4    FLOW     -1.
12039          RC    0.02   0.016    0.02   3250.  0.0027
```



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 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

12040          RX       0     0.1     7.5    17.5    32.5    42.5     50.    50.1
12041          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

12042          KK    2-11
12043          KM   SUB-BASIN 2-11
12044          KM   6-HOUR RAINFALL, PATTERN NO. 1.00 WAS USED TO FIND TC & R FOR THIS BASIN
12045          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .998
12046          KM     L =  .98  Kb = .098  Adj. Slope =   15.0
12047          BA    .178
12048          LG    .500    .150   7.300    .170   1.000
12049          UC   1.500   1.527
12050          UA       0       5      16      30      65      77      84      90      94      97
12051          UA     100

12052          KK  RET211
12053          KM   RETENTION BASIN DIVERSION
12054          KM   SUB-BASIN 2-11
```

```
12055          KM    6% OF SUB-BASIN DRAINS TO RETENTION BASIN
12056          DT  D2-11R    1.87
12057          DI       0  10000.
12058          DQ       0    600.

12059          KK   C2-11
12060          KM   SUB-BASIN COMBINE
12061          HC       4  67.637

12062          KK   DI10H
12063          KM   INTERSECTION DIVERSION
12064          KM   I-10 & 83RD
12065          KM   100% West & 0% South
12066          DT   DHI10
12067          DI       0  10000.
12068          DQ       0     0.0

12069          KK   R311W
12070          KM   I-10 CHANNEL ROUTE
12071          KM   WEST
12072          KM   BOTTOM WIDTH = 30'
12073          KM   TOP WIDTH = 100'
12074          KM   DEPTH = 18'
12075          KM   SIDE SLOPES = 2:1
12076          RS       3    FLOW     -1.
12077          RC    0.02   0.016    0.02   5170.  0.0016
12078          RX       0     0.1    18.0    36.0    66.0    84.0   102.0   102.1
12079          RY    18.0   17.05     9.0     0.0     0.0     9.0   17.05    18.0

12080          KK   D91MD
12081          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
12082          KM   91ST & MCDOWELL
12083          DR   D91MD
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 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

12084          KK   SMD9S
12085          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
12086          KM   MCDOWELL
12087          DR   SMD9S

12088          KK   R311S
12089          KM   SUB-BASIN STREET ROUTE
12090          KM   SOUTH
12091          KM   RW= 50'
12092          KM   PAV= 35'
12093          RS       5    FLOW     -1.
12094          RC    0.02   0.016    0.02   2790.  0.0010
12095          RX       0     0.1     7.5    17.5    32.5    42.5     50.    50.1
12096          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

12097          KK    3-11
12098          KM   SUB-BASIN 3-11
12099          KM   6-HOUR RAINFALL, PATTERN NO. 1.00 WAS USED TO FIND TC & R FOR THIS BASIN
12100          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .998
12101          KM     L = 1.00  Kb = .027  Adj. Slope =   12.0
12102          BA    .168
12103          LG    .170    .220   9.700    .040  21.000
12104          UC    .642    .625
12105          UA       0       5      16      30      65      77      84      90      94      97
12106          UA     100

12107          KK   C3-11
12108          KM   SUB-BASIN COMBINE
```

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12109          HC       4  77.074

12110          KK   DI10I
12111          KM   INTERSECTION DIVERSION
12112          KM   I-10 & 91ST
12113          KM   100% West & 0% South
12114          DT   DI110
12115          DI       0  10000.
12116          DQ       0     0.0

12117          KK   R411W
12118          KM   I-10 CHANNEL ROUTE
12119          KM   WEST
12120          KM   BOTTOM WIDTH = 30'
12121          KM   TOP WIDTH = 100'
12122          KM   DEPTH = 18'
12123          KM   SIDE SLOPES = 2:1
12124          RS       4    FLOW     -1.
12125          RC    0.02   0.016    0.02   5220.  0.0008
12126          RX       0     0.1    18.0    36.0    66.0    84.0   102.0   102.1
12127          RY    18.0   17.05     9.0     0.0     0.0     9.0   17.05    18.0
1                                                HEC-1 INPUT                                                    PAGE269

 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


12128          KK   D99MD
12129          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
12130          KM   99TH & MCDOWELL
12131          DR   D99MD

12132          KK  SMD10S
12133          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
12134          KM   MCDOWELL
12135          DR  SMD10S

12136          KK   R411S
12137          KM   SUB-BASIN STREET ROUTE
12138          KM   SOUTH
12139          KM   RW= 50'
12140          KM   PAV= 35'
12141          RS       6    FLOW     -1.
12142          RC    0.02   0.016    0.02   3170.  0.0010
12143          RX       0     0.1     7.5    17.5    32.5    42.5     50.    50.1
12144          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

12145          KK    4-11
12146          KM   SUB-BASIN 4-11
12147          KM   6-HOUR RAINFALL, PATTERN NO. 1.00 WAS USED TO FIND TC & R FOR THIS BASIN
12148          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .998
12149          KM     L =  .87  Kb = .093  Adj. Slope =   10.0
12150          BA    .176
12151          LG    .480    .150   8.800    .090   4.000
12152          UC   1.500   1.397
12153          UA       0       5      16      30      65      77      84      90      94      97
12154          UA     100

12155          KK   C4-11
12156          KM   SUB-BASIN COMBINE
12157          HC       4  83.109

12158          KK   DI10J
12159          KM   INTERSECTION DIVERSION
12160          KM   I-10 & 99TH
12161          KM   100% West & 0% South
12162          DT   DJI10
```

```
12163          DI       0  10000.
12164          DQ       0     0.0

12165          KK   R511W
12166          KM   I-10 CHANNEL ROUTE
12167          KM   WEST
12168          KM   BOTTOM WIDTH = 30'
12169          KM   TOP WIDTH = 100'
12170          KM   DEPTH = 18'
12171          KM   SIDE SLOPES = 2:1
12172          RS       3    FLOW     -1.
12173          RC    0.02   0.016    0.02   5290.  0.0017
12174          RX       0     0.1    18.0    36.0    66.0    84.0   102.0   102.1
12175          RY    18.0   17.05     9.0     0.0     0.0     9.0   17.05    18.0
```



```
 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

12176          KK  D107MD
12177          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
12178          KM   107TH & MCDOWELL
12179          DR  D107MD

12180          KK  SMD11S
12181          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
12182          KM   MCDOWELL
12183          DR  SMD11S

12184          KK   R511S
12185          KM   SUB-BASIN STREET ROUTE
12186          KM   SOUTH
12187          KM   RW= 100'
12188          KM   PAV= 70'
12189          RS       3    FLOW     -1.
12190          RC    0.02   0.016    0.02   2800.  0.0025
12191          RX       0     0.1    15.0    25.0    75.0    85.0    100.   100.1
12192          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

12193          KK    5-11
12194          KM   SUB-BASIN 5-11
12195          KM   6-HOUR RAINFALL, PATTERN NO. 1.00 WAS USED TO FIND TC & R FOR THIS BASIN
12196          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .998
12197          KM     L =  .86  Kb = .098  Adj. Slope =    9.0
12198          BA    .183
12199          LG    .500    .150   9.700    .070    .000
12200          UC   1.500   1.354
12201          UA       0       5      16      30      65      77      84      90      94      97
12202          UA     100

12203          KK   C5-11
12204          KM   SUB-BASIN COMBINE
12205          HC       4  87.052

12206          KK   DI10K
12207          KM   INTERSECTION DIVERSION
12208          KM   I-10 & 107TH
12209          KM   100% West & 0% South
12210          DT   DKI10
12211          DI       0  10000.
12212          DQ       0     0.0

12213          KK   R611W
12214          KM   I-10 CHANNEL ROUTE
12215          KM   WEST
12216          KM   BOTTOM WIDTH = 30'
```

```
12217          KM   TOP WIDTH = 100'
12218          KM   DEPTH = 18'
12219          KM   SIDE SLOPES = 2:1
12220          RS      2    FLOW     -1.
12221          RC    0.02   0.016    0.02   5130.  0.0019
12222          RX       0     0.1    18.0    36.0    66.0    84.0   102.0   102.1
12223          RY    18.0   17.05     9.0     0.0     0.0     9.0   17.05    18.0
1                                          HEC-1 INPUT                                                    PAGE271

 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


12224          KK  D115MD
12225          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
12226          KM   115TH & MCDOWELL
12227          DR  D115MD

12228          KK  SMD12S
12229          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
12230          KM   MCDOWELL
12231          DR  SMD12S

12232          KK   R611S
12233          KM   SUB-BASIN STREET ROUTE
12234          KM   SOUTH
12235          KM   RW= 50'
12236          KM   PAV= 35'
12237          RS      3    FLOW     -1.
12238          RC    0.02   0.016    0.02   2930.  0.0033
12239          RX       0     0.1     7.5    17.5    32.5    42.5     50.    50.1
12240          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

12241          KK    6-11
12242          KM   SUB-BASIN 6-11
12243          KM   6-HOUR RAINFALL, PATTERN NO. 1.00 WAS USED TO FIND TC & R FOR THIS BASIN
12244          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .997
12245          KM     L =  .95  Kb = .094  Adj. Slope =   13.0
12246          BA    .221
12247          LG    .490    .150   8.000    .130   1.000
12248          UC   1.500   1.317
12249          UA       0       5      16      30      65      77      84      90      94      97
12250          UA     100

12251          KK   C6-11
12252          KM   SUB-BASIN COMBINE
12253          HC       4  88.987

12254          KK   DI10L
12255          KM   INTERSECTION DIVERSION
12256          KM   I-10 & 115TH
12257          KM   100% West & 0% South
12258          DT   DLI10
12259          DI       0  10000.
12260          DQ       0     0.0

12261          KK  R1W11W
12262          KM   I-10 CHANNEL ROUTE
12263          KM   WEST
12264          KM   BOTTOM WIDTH = 30'
12265          KM   TOP WIDTH = 100'
12266          KM   DEPTH = 18'
12267          KM   SIDE SLOPES = 2:1
12268          RS      4    FLOW     -1.
12269          RC    0.02   0.016    0.02   5340.  0.0009
12270          RX       0     0.1    18.0    36.0    66.0    84.0   102.0   102.1
12271          RY    18.0   17.05     9.0     0.0     0.0     9.0   17.05    18.0
```

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 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

12272          KK  SMD13S
12273          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
12274          KM   MCDOWELL
12275          DR  SMD13S

12276          KK  R1W11S
12277          KM   SUB-BASIN STREET ROUTE
12278          KM   SOUTH
12279          KM   RW= 50'
12280          KM   PAV= 35'
12281          RS       6    FLOW     -1.
12282          RC    0.02   0.016    0.02   5840.  0.0034
12283          RX       0     0.1     7.5    17.5    32.5    42.5     50.    50.1
12284          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

12285          KK   1-W11
12286          KM   SUB-BASIN 1-W11
12287          KM   6-HOUR RAINFALL, PATTERN NO. 1.00 WAS USED TO FIND TC & R FOR THIS BASIN
12288          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .995
12289          KM     L = 1.43  Kb = .065  Adj. Slope =   16.0
12290          BA    .374
12291          LG    .220    .250   6.600    .150  23.000
12292          UC   1.500   1.353
12293          UA       0       5      16      30      65      77      84      90      94      97
12294          UA     100

12295          KK  C1-W11
12296          KM   SUB-BASIN COMBINE
12297          HC       3  90.195

12298          KK  R1W11A
12299          KM   I-10 CHANNEL ROUTE
12300          KM   WEST
12301          KM   BOTTOM WIDTH = 30'
12302          KM   TOP WIDTH = 100'
12303          KM   DEPTH = 18'
12304          KM   SIDE SLOPES = 2:1
12305          RS       1    FLOW     -1.
12306          RC    0.02   0.016    0.02   2040.  0.0015
12307          RX       0     0.1    18.0    36.0    66.0    84.0   102.0   102.1
12308          RY    18.0   17.05     9.0     0.0     0.0     9.0   17.05    18.0

12309          KK   2-W11
12310          KM   SUB-BASIN 2-W11
12311          KM   6-HOUR RAINFALL, PATTERN NO. 1.00 WAS USED TO FIND TC & R FOR THIS BASIN
12312          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .999
12313          KM     L =  .86  Kb = .039  Adj. Slope =   19.0
12314          BA    .085
12315          LG    .200    .340   5.000    .240   6.000
12316          UC    .804   1.049
12317          UA       0       5      16      30      65      77      84      90      94      97
12318          UA     100
```



```
 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

12319          KK  C2-W11
12320          KM   SUB-BASIN COMBINE
12321          HC       2  90.280
```

```
        12322          KK  NULL10
        12323          KM   COMBINE FLOWS FROM MCDOWELL WITH I10 COMPUTATION PATH
        12324          HC       2      1.
        12325          ZZ
1
              SCHEMATIC DIAGRAM OF STREAM NETWORK
 INPUT
  LINE      (V) ROUTING          (--->) DIVERSION OR PUMP FLOW

   NO.      (.) CONNECTOR        (<---) RETURN OF DIVERTED OR PUMPED FLOW

   104        7-32
                .
                .
   118          .-------->   D7-32
   114      RET7
                .
                .
   125          .-------->   D67TB
   121      DTB67
                V
                V
   128      RTB1
                .
                .
   136          .       12-31
                .           .
                .           .
   150          .           .-------->  D1231W
   146          .      D1231S
                .           .
                .           .
   153      CTB1 ............
                .
                .
   161          .-------->   STB1S
   157      STB1W
                V
                V
   164      RTB2
                .
                .
   175          .           .<--------  D1231W
   172          .      D1231W
                .           .
                .           .
   180          .           .-------->   S75AW
   176          .       S75AS
                .           V
                .           V
   183          .       R75A
                .           .
                .           .
   191      CTB75............
                .
                .
   199          .-------->   D75TB
   195      DTB75
                V
                V
   202      RTB3
                .
                .
   210          .        2-31
                .           .
                .           .
```

```
224                  .-------> D231W
220            D231S
                   V
                   V
227            R1131S
                   .
                   .
236                .       11-31
                   .          .
                   .          .
248                .          .          .<-------  S75AW
246                .          .      S75AW
                   .          .          V
                   .          .          V
249                .          .      R1131W
                   .          .          .
                   .          .          .
258            C11-31.......................
                   .
                   .
265                .-------> D1131W
261            D1131S
                   .
                   .
268       CTB2 ............
                 .
                 .
276              .-------> STB2S
272       STB2W
                 V
                 V
279       RTB4
                 .
                 .
290              .<------- D1131W
287            D1131W
                   V
                   V
291            R83A
                   .
                   .
299       CTB83............
                 .
                 .
307              .-------> D83TB
303       DTB83
                 .
                 .
310            10-31
                   .
                   .
320       CADOT1...........
                 .
                 .
330              .-------> ADOT1S
324       ADOT1W
                 .
                 .
333            17-32
                   .
                   .
347                .-------> D1732
343            RET17
                   .
                   .
354                .-------> D59CR
```


1K7L4PRINT

```
350          .      DCR59
             .          V
             .          V
357          .      RCR1
             .          .
             .          .
365          .          .      18-32
             .          .          .
             .          .          .
379          .          .          .-------> D1832W
375          .          .     D1832S
             .          .          .
             .          .          .
382          .      CCR1 ............
             .          .
             .          .
390          .          .------->   SCR1S
386          .      SCR1W
             .          V
             .          V
393          .      RCR2
             .          .
             .          .
404          .          .          .<-------   D67TB
401          .          .      D67TB
             .          .          V
             .          .          V
405          .          .      R67A
             .          .          .
             .          .          .
416          .          .          .          .<-------  D1832W
413          .          .          .     D1832W
             .          .          .          .
             .          .          .          .
417          .          .      C67A ............
             .          .          .
             .          .          .
425          .          .          .------->   S67AW
421          .          .      S67AS
             .          .          V
             .          .          V
428          .          .      R67B
             .          .          .
             .          .          .
436          .      CCR67............
             .          .
             .          .
447          .          .------->   D67CR
440          .      DCR67
             .          V
             .          V
450          .      RCR3
             .          .
             .          .
460          .          .          .<-------   STB1S
458          .          .      STB1S
             .          .          V
             .          .          V
461          .          .     R1331S
             .          .          .
             .          .          .
470          .          .          .      13-31
             .          .          .          .
             .          .          .          .
483          .          .          .          .<-------   S67AW
480          .          .          .     S67AW
```

```
                                                          V
                                                          V
484                                                   R1331W
                                                          .
                                                          .
493                                C13-31.......................
                                          .
                                          .-------> D1331W
500
496                                D1331S
                                          .
                                          .
503                        CCR2 ............
                                  .
                                  .
513                               .-------> SCR2S
507                        SCR2W
                                  V
                                  V
516                        RCR4
                                  .
                                  .
527                                       .<------- D75TB
524                                D75TB
                                          V
                                          V
528                                R75B
                                          .
                                          .
539                                       .          .<------- D1331W
536                                       .     D1331W
                                          .          .
                                          .          .
540                                C75A ............
                                          .
                                          .
548                                       .-------> S75BW
544                                S75BS
                                          V
                                          V
551                                R75C
                                          .
                                          .
559                        CCR75............
                                  .
                                  .
570                               .-------> D75CR
563                        DCR75
                                  V
                                  V
573                        RCR5
                                  .
                                  .
583                                       .<------- STB2S
581                                STB2S
                                          V
                                          V
584                                R1431S
                                          .
                                          .
593                                       .     14-31
                                          .          .
                                          .          .-------> D14-31
607
603                                       .     RET14
                                          .          .
```

```
612                                                  .<-------   S75BW
610                                            S75BW
                                                  V
                                                  V
613                                            R1431W
                                                  .
                                                  .
622                        C14-31.......................
                                  .
                                  .
629                               .------->  D1431W
625                        D1431S
                                  .
                                  .
632                  CCR3 ............
                          .
                          .
642                       .------->   SCR3S
636                  SCR3W
                        V
                        V
645                  RCR6
                          .
                          .
656                               .<-------   D83TB
653                        D83TB
                                  V
                                  V
657                        R83B
                                  .
                                  .
668                               .                .<-------  D1431W
665                               .          D1431W
                                  .                .
                                  .                .
669                        C83A ............
                                  .
                                  .
677                               .------->   S83AW
673                        S83AS
                                  V
                                  V
680                        R83C
                                  .
                                  .
688                  CCR83............
                          .
                          .
699                       .------->   D83CR
692                  DCR83
                        V
                        V
702                  RCR7
                          .
                          .
710                        15-31
                                  .
                                  .
722                               .                .<-------   S83AW
720                               .          S83AW
                                  .                V
                                  .                V
723                               .          R1531W
                                  .                .
                                  .                .
```

```
732                 C15-31............
                                 .
739                              .-------> D1531W
735                 D1531S
                                 .
742            CCR4 ............
                 .
752              .-------> SCR4S
746            SCR4W
                 V
                 V
755            RCR8
                 .
763                 22-31E
                                 .
779                              .-------> D2231S
773                 D2231E
                                 .
785                              .<-------  SCR4S
782                           SCR4S
                                 .
786                 C2231N............
                                 V
                                 V
789                 R2231E
                                 .
798            CADOT3............
                 V
                 V
801            R2231N
                 .
812                              .<-------  ADOT1S
810                 ADOT1S
                                 V
                                 V
813                 RADOT1
                                 .
827                              .<-------  D1531W
824                           D1531W
                                 .
828                 CADOT2............
                                 .
831       NULL1........................
                 .
835            21-32
                 .
849              .-------> D2132W
845            D2132S
                 .
856              .-------> SPA1S
852            SPA1W
```


IC/14PRINT

```
                 V
                 V
859          RPA1
                 .
                 .
870              .<-------  D2132W
867              .     D2132W
                 .          .
                 .          .
875              .-------->  S51AW
871              .      S51AS
                 .          V
                 .          V
878              .      R51A
                 .          .
                 .          .
886          CPA51............
                 .
                 .
894              .-------->  D51PA
890          DPA51
                 V
                 V
897          RPA2
                 .
                 .
905              .      20-32
                 .          .
                 .          .
919              .          .-------->  D2032R
915              .      RET20
                 .          .
                 .          .
925              .          .          .<-------  S51AW
922              .          .      S51AW
                 .          .          V
                 .          .          V
926              .          .     R2032W
                 .          .          .
                 .          .          .
935              .     C20-32............
                 .          .
                 .          .
942              .          .-------->  D2032W
938              .     D2032S
                 .          .
                 .          .
945          CPA1 ............
                 .
                 .
953              .-------->  SPA2S
949          SPA2W
                 V
                 V
956          RPA3
                 .
                 .
967              .<-------  D59CR
964              .      D59CR
                 .          V
                 .          V
968              .      R59A
                 .          .
                 .          .
979              .          .          .<-------  D2032W
976              .          .     D2032W
```


1C74PRINT

```
980                 C59A ............
988                 .-------> S59AW
984                 S59AS
                      V
                      V
991                 R59B
999          CPA59............
1007                .-------> D59PA
1003         DPA59
                V
                V
1010         RPA4
1021                .<------- SCR1S
1018                SCR1S
                      V
                      V
1022                R1932S
1031                        19-32
1045                        .-------> D1932R
1041                        RET19
1051                                .<------- S59AW
1048                                S59AW
                                      V
                                      V
1052                                R1932W
1061                C19-32.......................
1068                .-------> D1932W
1064                D1932S
1071         CPA2 ............
1079                .-------> SPA3S
1075         SPA3W
                V
                V
1082         RPA5
1093                .<------- D67CR
1090                D67CR
                      V
                      V
1094                R67C
```

```
1105                                  .<-------  D1932W
1102                          D1932W
                                      .
                                      .
1106                  C67B ............
                                      .
                                      .
1114                                  .------->  S67BW
1110                  S67BS
                          V
                          V
1117                  R67D
                                      .
                                      .
1125          CPA67............
                      .
                      .
1133                  .------->  D67PA
1129          DPA67
                  V
                  V
1136          RPA6
                      .
                      .
1147                  .<-------  SCR2S
1144                  SCR2S
                          V
                          V
1148                R2431S
                                      .
                                      .
1157                              24-31
                                      .
                                      .
1171                                  .------->  D24-31
1167                              RET24
                                      .
                                      .
1177                                  .          .<-------  S67BW
1174                                  .       S67BW
                                      .          V
                                      .          V
1178                                  .      R2431W
                                      .          .
                                      .          .
1187                C24-31........................
                                      .
                                      .
1194                                  .------->  D2431W
1190                D2431S
                                      .
                                      .
1197          CPA3 ............
                      .
                      .
1205                  .------->  SPA4S
1201          SPA4W
                  V
                  V
1208          RPA7
                      .
                      .
1219                  .<-------  D75CR
1216                  D75CR
                          V
```

```
1220                R75D
                     V
1231                                <------- D2431W
1228                         D2431W
                                 .
                                 .
1232                C75B .............
                     .
1240                 .-------> S75CW
1236                S75CS
                     V
                     V
1243                R75E
                     .
                     .
1251          CPA75.............
                 .
                 .
1260             .-------> D75PA
1255          DPA75
                 V
                 V
1263          RPA8
                 .
                 .
1274                 .<-------  SCR3S
1271                SCR3S
                     V
                     V
1275                R23-31
                     .
                     .
1284                         23-31
                                 .
                                 .
1298                                -------> D2331R
1294                         RET23
                                 .
                                 .
1304                                         .<-------  S75CW
1301                                    S75CW
                                             V
                                             V
1305                                    R2331W
                                             .
                                             .
1314                C23-31.........................
                     .
                     .
1321                 .-------> D2331W
1317                D2331S
                     .
                     .
1324          CPA4 .............
                 .
                 .
1332             .-------> SPA5S
1328          SPA5W
                 V
                 V
1335          RPA9
                 .
                 .
```

```
1346                    .<-------   D83CR
1343                D83CR
                        V
                        V
1347                R83D
                        .
                        .
1358                    .          .<-------  D2331W
1355                    .      D2331W
                        .          .
                        .          .
1359                C83B .............
                        .
                        .
1367                    .-------->  S83BW
1363                S83BS
                        .
                        .
1370            CPA83............
                        .
                        .
1381                    .-------->  D83PA
1374            DPA83
                        .
                        .
1387                    .<-------  D2231S
1384                D2231S
                        .
                        .
1391                    .          .<-------   S83BW
1388                    .       S83BW
                        .          .
                        .          .
1392                C2231E...........
                        V
                        V
1395                 RES22
                        V
                        V
1403                R2231W
                        .
                        .
1412                    .      22-31W
                        .          .
                        .          .
1426                    .          .-------->  D2231C
1422                    .      D2231B
                        .          .
                        .          .
1429            C2231W......................
                        .
                        .
1436                    .-------->  SPA6S
1432            SPA6W
                        V
                        V
1439            RPA10
                        .
                        .
1454                    .-------->  D91PA
1447            DPA91
                        .
                        .
1460                    .<-------  D2231C
1457                D2231C
                        V
```

```
                                   V
1461                            R2231S
                                   .
                                   .
1470                  CPA91............
                                   .
                                   .
1474            NULL2............
                                   .
                                   .
1477                  26-32W
                                   .
                                   .
1494                               .-------> D350A
1487                  DOA35
                                   V
                                   V
1497                  ROA1
                                   .
                                   .
1505                               .      27-32
                                   .          .
                                   .          .
1519                               .          .-------> D2732W
1515                               .      D2732S
                                   .          .
                                   .          .
1522                  COA1 ............
                                   .
                                   .
1530                               .-------> SOA1S
1526                  SOA1W
                                   V
                                   V
1533                  ROA2
                                   .
                                   .
1544                               .          .<------- D2732W
1541                               .      D2732W
                                   .          .
                                   .          .
1549                               .          .-------> S43AW
1545                               .      S43AS
                                   .          V
                                   .          V
1552                               .      R43A
                                   .          .
                                   .          .
1560                  COA43............
                                   .
                                   .
1571                               .-------> D430A
1564                  DOA43
                                   V
                                   V
1574                  ROA3
                                   .
                                   .
1585                               .          .<------- SPA1S
1582                               .      SPA1S
                                   .          V
                                   .          V
1586                               .      R2832S
                                   .          .
                                   .          .
1595                               .          .      28-32
```


K/14PRINT

```
1609                                  .-------> D28-32
1605                          RET28
1615                                            .<-------  S43AW
1612                                     S43AW
                                            V
                                            V
1616                                     R2832W
1625                     C28-32.......................
1632                                  .-------> D2832W
1628                     D2832S
1635                COA2 ............
1643                     .------->  SOA2S
1639                SOA2W
                        V
                        V
1646                RAO4
1657                                  .<-------  D51PA
1654                     D51PA
                                      V
                                      V
1658                     R51B
1669                                            .<-------  D2832W
1666                          D2832W
1670                     C51A ............
1678                                  .-------> S51BW
1674                     S51BS
                                      V
                                      V
1681                     R51C
1689                COA51............
1700                     .------->  D510A
1693                DOA51
                        V
                        V
1703                ROA5
1714                                  .<-------  SPA2S
1711                     SPA2S
                                      V
                                      V
1715                     R2932S
```

```
1724                    29-32
                            .
                            .
1738                        .-------> D2932R
1734                    RET29
                            .
                            .
1744                        .                .<-------   S51BW
1741                        .            S51BW
                            .                V
                            .                V
1745                        .            R2932W
                            .                .
                            .                .
1754                C29-32.......................
                            .
                            .
1761                        .-------> D2932W
1757                D2932S
                            .
                            .
1764            COA3 ............
                            .
                            .
1774                .-------> SOA3S
1768            SOA3W
                    V
                    V
1777            ROA6
                            .
                            .
1788                        .<-------   D59PA
1785                D59PA
                            V
                            V
1789                R59C
                            .
                            .
1800                        .                .<-------  D2932W
1797                        .        D2932W
                            .                .
                            .                .
1801                C59B ............
                            .
                            .
1809                        .-------> S59BW
1805                S59BS
                            V
                            V
1812                RR59D
                            .
                            .
1820            COA59............
                            .
                            .
1831                .-------> D590A
1824            DOA59
                    V
                    V
1834            ROA7
                            .
                            .
1845                        .<-------   SPA3S
1842                SPA3S
```


KC/4PRINT

```
                 .          .          V
                 .          .          V
1846             .          .     R3032S
                 .          .          .
                 .          .          .
1855             .          .          .       30-32
                 .          .          .          .
                 .          .          .          .
1869             .          .          .          .-------> D3032R
1865             .          .          .       RET30
                 .          .          .          .
                 .          .          .          .
1875             .          .          .          .          .<-------   S59BW
1872             .          .          .          .      S59BW
                 .          .          .          .          V
                 .          .          .          .          V
1876             .          .          .          .     R3032W
                 .          .          .          .          .
                 .          .          .          .          .
1885             .          .     C30-32.......................
                 .          .          .
                 .          .          .
1892             .          .          .-------> D3032W
1888             .          .     D3032S
                 .          .          .
                 .          .          .
1895             .     COA4 ............
                 .          .
                 .          .
1905             .          .------->   SOA4S
1899             .     SOA4W
                 .          V
                 .          V
1908             .     ROA8
                 .          .
                 .          .
1919             .          .          .<-------   D67PA
1916             .          .      D67PA
                 .          .          V
                 .          .          V
1920             .          .      R67E
                 .          .          .
                 .          .          .
1931             .          .          .          .<------- D3032W
1928             .          .          .      D3032W
                 .          .          .          .
                 .          .          .          .
1932             .          .      C67C ............
                 .          .          .
                 .          .          .
1940             .          .          .------->   S67CW
1936             .          .      S67CS
                 .          .          V
                 .          .          V
1943             .          .      R67F
                 .          .          .
                 .          .          .
1951             .     COA67............
                 .          .
                 .          .
1962             .          .------->   D67OA
1955             .     DOA67
                 .          V
                 .          V
1965             .     ROA9
                 .          .
```

```
1976                  .<-------   SPA4S
1973            SPA4S
                    V
                    V
1977            R2531S
                      .
                      .
1986                  .       25-31
                      .           .
                      .           .
2000                  .           .------->  D2531R
1996                  .       RET25
                      .           .
                      .           .
2006                  .           .           .<-------   S67CW
2003                  .           .       S67CW
                      .           .           V
                      .           .           V
2007                  .           .       R2531W
                      .           .           .
                      .           .           .
2016            C25-31.......................
                      .
                      .
2023                  .------->  D2531W
2019            D2531S
                      .
                      .
2026        COA5 ............
                 .
                 .
2036             .------->   SOA5S
2030        SOA5W
                 .
                 .
2043             .------->  RES25O
2039        RES25
                V
                V
2046        ROA10
                 .
                 .
2057                  .<-------   D75PA
2054            D75PA
                    V
                    V
2058            R75F
                      .
                      .
2069                  .           .<-------  D2531W
2066                  .       D2531W
                      .           .
                      .           .
2070            C75C ............
                      .
                      .
2078                  .------->   S75DW
2074            S75DS
                    V
                    V
2081            R75G
                      .
                      .
2089        COA75............
                 .
```


KCL4PRINT

```
2100                  .-------> D750A
2093            DOA75
                      .
2106                  .<-------   SPA5S
2103                  .     SPA5S
                      .         .
2107                  .         .     26-31E
                      .         .         .
2121                  .         .         .-------> D2631R
2117                  .         .      RET26
                      .         .         .
2124                  .     C2631E............
                      .         .
2133                  .         .-------> D2631N
2127                  .     D2631E
                      .         .
2139                  .         .         .<-------   S75DW
2136                  .         .      S75DW
                      .         .         .
2140            C2631S.........................
                      V
                      V
2143            RES26S
                      .
2155                  .-------> D26AS
2153            D26AW
                      .
2158                  .     26-31W
                      .         .
2172                  .         .-------> D2631N
2168                  .     D2631S
                      .         .
2175             COA6............
                      .
2184                  .-------> SOA6S
2178            SOA6W
                      .
2191                  .-------> RES26O
2187            RES26
                      V
                      V
2194            ROA11
                      .
2205                  .<-------   D83PA
2202                  .     D83PA
                      .         .
2209                  .         .         .<-------- D2631N
2206                  .         .     D2631N
                      .         .         .
```


K-74PRINT

```
2210                C2631N............
                         V
                         V
2213                RES26N
                         V
                         V
2221                R2631W
                         .
                         .
2233                     .<-------  D2631N
2230                     .     D2631N
                         .          .
                         .          .
2234                C2631W............
                         .
                         .
2241                     .-------->  S83CW
2237                 S83CS
                         V
                         V
2244                  R83E
                         .
                         .
2252            COA83............
                     .
                     .
2263                 .-------->  D830A
2256            DOA83
                     V
                     V
2266            ROA12
                     .
                     .
2277                 .<-------   SPA6S
2274                 SPA6S
                         V
                         V
2278                R2731S
                         .
                         .
2287                     .       27-31
                         .          .
                         .          .
2300                     .          .          .<-------   S83CW
2297                     .          .       S83CW
                         .          .          V
                         .          .          V
2301                     .          .      R2731W
                         .          .          .
                         .          .          .
2310                R2731S.......................
                         .
                         .
2317                     .-------->  D2731W
2313                D2731S
                         .
                         .
2320             COA7............
                     .
                     .
2330                 .-------->  SOA7S
2324             SOA7W
                     V
                     V
2333             ROA13
                     .
```

```
2343                    .<-------   D91PA
2340                D91PA
                        V
                        V
2344                R91A
                        .
                        .
2355                    .          .<-------  D2731W
2352                    .      D2731W
                        .          .
                        .          .
2356                C91A............
                        .
                        .
2364                    .-------->  S91AW
2360                S91AS
                        V
                        V
2367                R91B
                        .
                        .
2375            COA91...........
                    .
                    .
2386                .-------->  D910A
2379            DOA91
                    .
                    .
2389                28-31
                        .
                        .
2402                    .          .<-------   S91AW
2399                    .      S91AW
                        .          V
                        .          V
2403                    .      R2831
                        .          .
                        .          .
2411            C28-31......................
                    V
                    V
2414            RADOT2
                    .
                    .
2425                36-32
                        .
                        .
2442                    .-------->  D27NA
2435                DNA27
                        .
                        .
2445                    .      26-32E
                        .          V
                        .          V
2455                    .      R3532S
                        .          .
                        .          .
2464                    .          .      35-32
                        .          .          .
                        .          .          .
2478                    .          .          .-------> D3532W
2474                    .          .      D3532S
                        .          .          .
                        .          .          .
2481                C35-32......................
```

```
2492                  .-------> SNA1S
2484          SNA1W
                      .
2498                  .<-------  D350A
2495                  .      D350A
                      .          V
                      .          V
2499                  .      R35A
                      .          .
2510                  .          .          .<-------  D3532W
2507                  .          .     D3532W
                      .          .          .
2511                  .      C35A ............
                      .          .
2521                  .          .-------> S35AW
2515                  .      S35AS
                      .          V
                      .          V
2524                  .      R35B
                      .          .
2532          CNA35 ............
                      .
2543                  .-------> D35NA
2536          DNA35
                  V
                  V
2546          RNA1
                      .
2557                  .<-------  SOA1S
2554                  .      SOA1S
                      .          V
                      .          V
2558                  .      R3432S
                      .          .
2567                  .          .     34-32
                      .          .          .
2580                  .          .          .<-------  S35AW
2577                  .          .     S35AW
                      .          .          V
                      .          .          V
2581                  .          .     R3432W
                      .          .          .
2590                  .      C34-32 ......................
                      .          .
2597                  .          .-------> D3432W
2593                  .      D3432S
                      .          .
2600          CNA1 ............
                      .
2612                  .-------> SNA2S
2604          SNA2W
```

```
                 V
                 V
2615          RNA2
                 .
2626             .<-------   D430A
2623          D430A
                 V
                 V
2627          R43B
                 .
2638             .           .<-------   D3432W
2635             .       D3432W
                 .           .
                 .           .
2639          C43B ............
                 .
                 .
2649             .-------->  S43BW
2643          S43BS
                 V
                 V
2652          R43C
                 .
                 .
2660          CNA43............
                 .
                 .
2671             .-------->  D43NA
2664          DNA43
                 V
                 V
2674          RNA3
                 .
                 .
2685             .<-------   SOA2S
2682          SOA2S
                 V
                 V
2686          R3332S
                 .
                 .
2695             .       33-32
                 .           .
                 .           .
2708             .           .           .<-------   S43BW
2705             .           .       S43BW
                 .           .           V
                 .           .           V
2709             .           .       R3332W
                 .           .           .
                 .           .           .
2718          C33-32.......................
                 .
                 .
2725             .-------->  D3332W
2721          D3332S
                 .
                 .
2728          CNA2 ............
                 .
                 .
2736             .-------->  SNA3S
2732          SNA3W
                 V
```

```
                    V
2739            RNA4
                    .
                    .
2750                .<-------   D510A
2747            D510A
                    V
                    V
2751            R51D
                    .
                    .
2762                .           .<-------   D3332W
2759                .       D3332W
                    .           .
                    .           .
2763            C51B ............
                    .
                    .
2771                .-------->  S51CW
2767            S51CS
                    V
                    V
2774            R51E
                    .
                    .
2782            CNA51............
                    .
                    .
2790                .-------->  D51NA
2786            DNA51
                    V
                    V
2793            RNA5
                    .
                    .
2804                .<-------   SOA3S
2801            SOA3S
                    V
                    V
2805            R3232S
                    .
                    .
2814                .       32-32
                    .           .
                    .           .
2828                .           .-------->  D3232R
2824                .       RET32
                    .           .
                    .           .
2834                .           .           .<-------   S51CW
2831                .           .       S51CW
                    .           .           V
                    .           .           V
2835                .           .       R3232W
                    .           .           .
                    .           .           .
2844            C32-32......................
                    .
                    .
2851                .-------->  D3232W
2847            D3232S
                    .
                    .
2854            CNA3 ............
                    .
```


K/L4PRINT

```
2863                    .-------> SNA4S
2858            SNA4W
                    V
                    V
2866            RNA6

2877                        .<------- D590A
2874                D590A
                        V
                        V
2878                R59E

2889                                .<------- D3232W
2886                        D3232W
                                    .
                                    .
2890                C59C ............

2898                        .-------> S59CW
2894                S59CS
                        V
                        V
2901                R59F

2909            CNA59............

2917                    .-------> D59NA
2913            DNA59
                    V
                    V
2920            RNA7

2931                        .<------- SOA4S
2928                SOA4S
                        V
                        V
2932                R3132S

2941                            31-32
                                    .
2955                                .-------> D3132R
2951                            RET31
                                    .
2961                                    .<------- S59CW
2958                                S59CW
                                        V
                                        V
2962                                R3132W
                                        .
2971                C31-32......................

2978                        .-------> D3132W
2974                D3132S
```

```
2981                CNA4 ............
                        .
2989                    .-------> SNA5S
2985                SNA5W
                        V
                        V
2992                RNA8
                        .
3003                    .<-------  D67OA
3000                D67OA
                        V
                        V
3004                R67G
                        .
3015                    .<-------  D3132W
3012                    .     D3132W
                        .         .
3016                C67D ............
                        .
3024                    .-------> S67DW
3020                S67DS
                        V
                        V
3027                R67H
                        .
3035                CNA67............
                        .
3043                    .-------> D67NA
3039                DNA67
                        .
3049                    .<-------  D75OA
3046                D75OA
                        .
3053                    .<-------  SOA5S
3050                    .     SOA5S
                        .         .
3054                    .         .     36-31E
                        .         .         .
3067                    .         .         .<-------  S67DW
3064                    .         .         .     S67DW
                        .         .         .         V
                        .         .         .         V
3068                    .         .         .     R3631W
                        .         .         .         .
3080                    .         .         .         .<-------  D26AS
3077                    .         .         .         .     D26AS
                        .         .         .         .         .
3081                C3631E..........................................
                        V
                        V
3084                RES36
                        V
                        V
```

```
3092                    R3631
                          .
3101                      .      36-31W
                          .          .
3111                    C3631W...........
                          .
3118                      .-------> D3631W
3114                    D3631S
                          .
3121                CNA5............
                        .
3128                    .------->   SNA6S
3124                SNA6W
                        V
                        V
3131                RNA9
                        .
3142                      .<-------  D3631W
3139                    D3631W
                          .
3147                      .------->   S75EW
3143                  S75ES
                          V
                          V
3150                  R75H
                          .
3158                CNA75...........
                        .
3166                    .------->   D75NA
3162                DNA75
                        V
                        V
3169                RNA10
                        .
3180                      .<-------   SOA6S
3177                  SOA6S
                          V
                          V
3181                    R3531S
                          .
3190                      .      35-31
                          .          .
3203                      .          .       .<-------   S75EW
3200                      .          .     S75EW
                          .          .       V
                          .          .       V
3204                      .          .     R3531W
                          .          .          .
3213                    C35-31......................
                          .
3220                      .-------> D3531W
3216                    D3531S
```

```
3223          CNA6............
3230          .-------> SNA7S
3226       SNA7W
              V
              V
3233       RNA11

3244                  .<-------  D830A
3241                D830A
                        V
                        V
3245                R83F

3256                                .<-------  D3531W
3253                            D3531W

3257                C83C............

3265                  .-------> S83DW
3261                S83DS
                        V
                        V
3268                R83G

3276       CNA83............

3287          .-------> D83NA
3280       DNA83
              V
              V
3290       RNA12

3303          .-------> RES340
3298       RES34

3309                  .<-------  SOA7S
3306                SOA7S
                        V
                        V
3310                R3431S

3319                            34-31

3333                                .-------> D3431R
3329                            RET34

3339                                    .<-------  S83DW
3336                                 S83DW
                                        V
                                        V
3340                             R3431W
```


1C/14PRINT

```
3349                    C34-31.......................
3359                                .-------> D3431W
3352                    D3431S
3362                CNA7............
3372                    .-------> SNA8S
3366                SNA8W
                        V
                        V
3375                RNA13
3386                                .<------- D910A
3383                    D910A
                        V
                        V
3387                    R91C
3398                                            .<------- D3431W
3395                                        D3431W
3399                    C91B............
3409                                .-------> S91BW
3403                    S91BS
                        V
                        V
3412                    R91D
3420                CNA91...........
3431                    .-------> D91NA
3424                DNA91
                        V
                        V
3434                RNA14
3445                                .<------- S91BW
3442                    S91BW
                        V
                        V
3446                    R3331W
3455                                        33-31
3465            C33-31..................................
                        V
                        V
3468            R421S
```

```
3476    NULL3............
              :
3479          :      1-22
              :        :
3493          :        :-------> D122W
3489          :    D122S
              :        :
3499          :        :       <------- D27NA
3496          :        :    D27NA
              :        :       V
              :        :       V
3500          :        :    R27A
              :        :       :
3511          :        :       :       <------- D122W
3508          :        :       :    D122W
              :        :       :       :
              :        :       :       :
3512          :        :    C27A ............
              :        :       :
3522          :        :       :-------> S27AW
3516          :        :    S27AS
              :        :       V
              :        :       V
3525          :        :    R27B
              :        :       :
              :        :       :
3533          :    CGA27............
              :        :
3544          :        :-------> D27GA
3537          :    DGA27
              :        :
3547          :        :     2-22
              :        :       :
3561          :        :       :-------> D222W
3557          :        :    D222S
              :        :       :
3567          :        :       :       <------- SNA1S
3564          :        :       :    SNA1S
              :        :       :       V
              :        :       :       V
3568          :        :       :    R222S
              :        :       :       :
3580          :        :       :       :       <------- S27AW
3577          :        :       :       :    S27AW
              :        :       :       :       V
              :        :       :       :       V
3581          :        :       :       :    R222W
              :        :       :       :       :
              :        :       :       :       :
3591          :        :    C2-22.......................
              :        :       :
3597          :        :       :       <------- D35NA
3594          :        :       :    D35NA
              :        :       :       V
              :        :       :       V
```

```
3598                    R35C
                          .
3609                      .          .<-------   D222W
3606                      .      D222W
                          .          .
                          .          .
3610                    C35B .........
                          .
                          .
3620                      .------->  S35BW
3614                    S35BS
                          V
                          V
3623                    R35D
                          .
                          .
3636                      .------->  S35CS
3631                    S35CE
                          .
                          .
3639            CGA1 ......................
                  .
                  .
3647              .------->  SGA1S
3643            SGA1W
                  .
                  .
3653              .       .<-------  S35CS
3650              .    S35CS
                  .       .
                  .       .
3654            CGA35........
                  .
                  .
3665              .------->  D35GA
3658            DGA35
                  V
                  V
3668            RGA1
                  .
                  .
3679              .       .<-------  SNA2S
3676              .    SNA2S
                  .       V
                  .       V
3680              .    R322S
                  .       .
                  .       .
3689              .       .     3-22
                  .       .       .
                  .       .       .
3702              .       .       .          .<-------   S35BW
3699              .       .       .      S35BW
                  .       .       .          V
                  .       .       .          V
3703              .       .       .      R322W
                  .       .       .          .
                  .       .       .          .
3712              .    C3-22.......................
                  .       .
                  .       .
3723              .       .------->  D322W
3715              .    D322S
                  .       .
                  .       .
```


1C74PRINT

```
3726          CGA2 ............
                  .
3739              .-------> SGA2S
3730          SGA2W
                  V
                  V
3742          RGA2
                  .
3753                  .<-------  D43NA
3750                  D43NA
                          V
                          V
3754                  R43D
                          .
3765                          .<-------  D322W
3762                      D322W
                              .
                              .
3766                  C43C ............
                          .
3776                      .-------> S43CW
3770                  S43CS
                          V
                          V
3779                  R43E
                          .
                          .
3787          CGA43............
                  .
3798              .-------> D43GA
3791          DGA43
                  V
                  V
3801          RGA3
                  .
3812                  .<-------  SNA3S
3809                  SNA3S
                          V
                          V
3813                  R422S
                          .
3822                      .       4-22
                          .         .
3835                      .         .         .<-------  S43CW
3832                      .         .       S43CW
                          .         .           V
                          .         .           V
3836                      .         .       R422W
                          .         .           .
3845                  C4-22.......................
                          .
3852                      .-------> D422W
3848                  D422S
                          .
                          .
3855          CGA3 ............
```


K/L4PRINT

```
                 :          :
                 :          :
3863             :          :-------> SGA3S
3859             :     SGA3W
                 :         V
                 :         V
3866             :     RGA4
                 :          :
                 :          :
3877             :          :      .<------- D51NA
3874             :          :  D51NA
                 :          :      V
                 :          :      V
3878             :          :  R51F
                 :          :      :
                 :          :      :
3889             :          :      :      .<------- D422W
3886             :          :      :  D422W
                 :          :      :      :
                 :          :      :      :
3890             :          :  C51C ......
                 :          :      :
                 :          :      :
3898             :          :      :-------> S51DW
3894             :          :  S51DS
                 :          :      V
                 :          :      V
3901             :          :  R51G
                 :          :      :
                 :          :      :
3909             :     CGA51......
                 :          :
                 :          :
3917             :          :-------> D51GA
3913             :     DGA51
                 :         V
                 :         V
3920             :     RGA5
                 :          :
                 :          :
3931             :          :      .<------- SNA4S
3928             :          :  SNA4S
                 :          :      V
                 :          :      V
3932             :          :  R522S
                 :          :      :
                 :          :      :
3941             :          :      :  5-22
                 :          :      :      :
                 :          :      :      :
3954             :          :      :      :      .<------- S51DW
3951             :          :      :      :  S51DW
                 :          :      :      :      V
                 :          :      :      :      V
3955             :          :      :      :  R522W
                 :          :      :      :      :
                 :          :      :      :      :
3964             :          :  C5-22......................
                 :          :      :
                 :          :      :
3971             :          :      :-------> D522W
3967             :          :  D522S
                 :          :      :
                 :          :      :
3974             :     CGA4 ......
                 :          :
```

```
3983                  .-------> SGA4S
3978            SGA4W
                    V
                    V
3986            RGA6

3997                      .<------- D59NA
3994                  D59NA
                          V
                          V
3998                  R59G

4009                              .<------- D522W
4006                          D522W
4010                  C59D ............

4018                      .-------> S59DW
4014                  S59DS
                          V
                          V
4021                  R59H

4029            CGA59............

4039                  .-------> D59GA
4033            DGA59

4045                      .<------- D67NA
4042                  D67NA

4049                              .<------- SNA5S
4046                          SNA5S
                                  V
                                  V
4050                          R622ES

4059                                  6-22E

4072                                          .<------- S59DW
4069                                      S59DW
                                              V
                                              V
4073                                      R622EW

4085                                                  .<------- D59GA
4082                                              D59GA
4086                  C6-22E..............................

4089                          8-22E
```


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```
4102                                                  .<-------   SGA4S
4099                                            SGA4S
                                                    V
                                                    V
4103                                          R822ES
                                                    .
                                                    .
4112                                  C8-22E............
                                                    .
                                                    .
4121                                                .-------> D822ES
4115                                  D822EW
                                                    V
                                                    V
4124                                   RGR3
                                                    .
                                                    .
4134                            C622EA............
                                    V
                                    V
4137                             RES6
                                    V
                                    V
4149                            R622WW
                                    .
                                    .
4158                                    6-22W
                                                    .
                                                    .
4168                            C6-22W............
                                    .
                                    .
4178                                .-------> D622WW
4171                            D622WS
                                    .
                                    .
4181                       CGA5 ............
                                .
                                .
4189                            .------->   SGA5S
4185                       SGA5W
                                V
                                V
4192                       RGA7
                                .
                                .
4203                                .<-------  D622WW
4200                            D622WW
                                    .
                                    .
4210                                .------->   S67EW
4204                             S67ES
                                    V
                                    V
4213                             R671
                                    .
                                    .
4221                       CGA67............
                                .
                                .
4229                            .------->   D67GA
4225                       DGA67
                                V
                                V
4232                        RGA8
```

```
4243                  .<-------   SNA6S
4240            SNA6S
                    V
                    V
4244            R121S
                    .
4253                .       1-21
                    .          .
                    .          .
4267                .          .------->   D1-21
4263                .       RET1
                    .          .
                    .          .
4273                .          .              .<-------   S67EW
4270                .          .        S67EW
                    .          .              .
                    .          .              .
4279                .          .              .------->   RES100
4274                .          .         RES1
                    .          .            V
                    .          .            V
4282                .          .        R121W
                    .          .              .
                    .          .              .
4291            C1-21.......................
                    .
                    .
4301                .------->   D121W
4294            D121S
                    .
                    .
4304        CGA6............
                    .
                    .
4312                .------->   SGA6S
4308        SGA6W
                    V
                    V
4315        RGA9
                    .
                    .
4326                .<-------   D75NA
4323            D75NA
                    V
                    V
4327            R75I
                    .
                    .
4338                .          .<-------   D121W
4335                .       D121W
                    .          .
                    .          .
4339            C75D............
                    .
                    .
4349                .------->   S75FW
4343            S75FS
                    V
                    V
4352            R75J
                    .
                    .
4360        CGA75...........
```

```
                 .          .
                 .          .
4368             .          .-------> D75GA
4364             .     DGA75
                 .         V
                 .         V
4371             .     RGA10
                 .          .
                 .          .
4382             .          .<------- SNA7S
4379             .          .     SNA7S
                 .          .         V
                 .          .         V
4383             .          .     R221S
                 .          .          .
                 .          .          .
4392             .          .          .       2-21
                 .          .          .          .
                 .          .          .          .
4405             .          .          .          .<------- S75FW
4402             .          .          .          .     S75FW
                 .          .          .          .         V
                 .          .          .          .         V
4406             .          .          .          .     R221W
                 .          .          .          .          .
                 .          .          .          .          .
4415             .          .     C2-21.......................
                 .          .          .
                 .          .          .
4425             .          .          .-------> D221W
4418             .          .     D221S
                 .          .          .
                 .          .          .
4428             .      CGA7............
                 .          .
                 .          .
4436             .          .-------> SGA7S
4432             .     SGA7W
                 .         V
                 .         V
4439             .     RGA11
                 .          .
                 .          .
4450             .          .<------- D83NA
4447             .          .     D83NA
                 .          .          .
                 .          .          .
4454             .          .          .          .<------- D221W
4451             .          .          .       D221W
                 .          .          .          .
                 .          .          .          .
4455             .          .      C83D............
                 .          .          .
                 .          .          .
4465             .          .          .-------> S83EW
4459             .          .     S83ES
                 .          .         V
                 .          .         V
4468             .          .      R83I
                 .          .          .
                 .          .          .
4476             .     CGA83............
                 .          .
                 .          .
4487             .          .-------> D83GA
4480             .     DGA83
```

```
                 V
                 V
4490          RGA12
                 .
                 .
4501             .<-------   SNA8S
4498             .      SNA8S
                 .         V
                 .         V
4502             .      R321S
                 .         .
                 .         .
4511             .         .      3-21
                 .         .        .
                 .         .        .
4524             .         .        .         .<-------   S83EW
4521             .         .        .      S83EW
                 .         .        .         V
                 .         .        .         V
4525             .         .        .      R321W
                 .         .        .         .
                 .         .        .         .
4534             .      C3-21.......................
                 .         .
                 .         .
4541             .         .------->   D321W
4537             .      D321S
                 .         .
                 .         .
4544          CGA8..........
                 .
                 .
4554             .------->   SGA8S
4548          SGA8W
                 V
                 V
4557          RGA13
                 .
                 .
4568             .<-------   D91NA
4565             .      D91NA
                 .         V
                 .         V
4569             .       R91E
                 .         .
                 .         .
4580             .         .         .<-------   D321W
4577             .         .      D321W
                 .         .        .
                 .         .        .
4581             .       C91C............
                 .         .
                 .         .
4589             .         .------->   S91CW
4585             .      S91CS
                 .         V
                 .         V
4592             .       R91F
                 .         .
                 .         .
4600          CGA91.........
                 .
                 .
4611             .------->   D91GA
4604          DGA91
                 V
```

```
                 .          V
4614             .      RGA14
                 .          .
                 .          .
4622             .          .        4-21
                 .          .          .
                 .          .          .
4636             .          .          .-------->   D4-21
4632             .          .        RET4
                 .          .          .
                 .          .          .
4642             .          .          .          .<-------   S91CW
4639             .          .          .      S91CW
                 .          .          .          V
                 .          .          .          V
4643             .          .          .      R421W
                 .          .          .          .
                 .          .          .          .
4652             .          .      C4-21............
                 .          .          .
                 .          .          .
4659             .          .          .-------->   D421W
4655             .          .      D421S
                 .          .          .
                 .          .          .
4662             .       CGA9............
                 .          .
                 .          .
4672             .          .-------->   SGA9S
4666             .      SGA9W
                 .          V
                 .          V
4675             .      RGA15
                 .          .
                 .          .
4686             .          .          .<-------   D421W
4683             .          .      D421W
                 .          .          V
                 .          .          V
4687             .          .        R99A
                 .          .          .
                 .          .          .
4695             .      CGA99............
                 .          .
                 .          .
4706             .          .-------->   D99GA
4699             .      DGA99
                 .          .
                 .          .
4709             .          .      5-21
                 .          .          .
                 .          .          .
4719             .      C5-21............
                 .          .
                 .          .
4722       NULL4............
                 .
                 .
4725             .      11-22
                 .          .
                 .          .
4739             .          .-------->  D1122W
4735             .     D1122S
                 .          .
                 .          .
4745             .          .          .<-------   SGA1S
```

```
4742                SGA1S
                      V
                      V
4746                R1122S
                      .
                      .
4755          C11-22............
                      .
                      .
4764                  .-------> SD31AS
4758          SD31A
                      .
                      .
4772                  .-------> SBH1W
4767           SBH1E
                  V
                  V
4775           RBH1
                      .
                      .
4786                  .<-------   D27GA
4783                D27GA
                      V
                      V
4787                R27C
                      .
                      .
4795                  .       12-22
                      .          .
                      .          .
4805           CBH27.......................
                      .
                      .
4816                  .-------> D27BH
4809           DBH27
                      .
                      .
4822                  .<-------   D35GA
4819                D35GA
                      V
                      V
4823                R35E
                      .
                      .
4834                  .          .<-------  D1122W
4831                  .      D1122W
                      .          .
                      .          .
4835                C35C............
                      V
                      V
4839                R35F
                      .
                      .
4852                  .          .<-------   SBH1W
4847                  .      SBH1W
                      .          V
                      .          V
4853                  .      RBH2
                      .          .
                      .          .
4864                  .          .          .<-------   SGA2S
4861                  .          .      SGA2S
                      .          .          V
                      .          .          V
4865                  .          .      R1022S
```


K/14PRINT

```
4874                                                  10-22
                                                        .
4884                                            C10-22.........
                                                        .
4893                                                    .-------> SD39AS
4887                                            SD39A
                                                        .
4900                                                    .-------> D1022W
4896                                            D1022E
                                                        .
4903                CBH35.................................
                        .
4914                    .-------> D35BH
4907                DBH35
                        .
4920                            .<-------   D43GA
4917                        D43GA
                                V
                                V
4921                        R43F
                                .
                                .
4932                            .           .<-------  D1022W
4929                            .     D1022W
                                .           .
                                .           .
4933                        C43D ............
                                .
                                .
4943                            .------->   S43DW
4937                        S43DS
                                V
                                V
4946                        R43G
                                .
                                .
4954                CBH43............
                        .
4965                    .-------> D43BH
4958                DBH43
                        V
                        V
4968                RBH3
                        .
4979                            .<-------   SGA3S
4976                        SGA3S
                                V
                                V
4980                        R922S
                                .
4989                            .       9-22
                                .           .
5002                            .           .       .<-------   S43DW
4999                            .           .   S43DW
```

```
                                                          V
                                                          V
5003                                                    R922W
                                                          .
5012                        C9-22......................
                                .
5019                            .-------> D922W
5015                        D922S
                                .
5022                    CBH1 ............
                            .
5031                        .-------> SBH2S
5026                    SBH2W
                            V
                            V
5034                    RBH4
                            .
5045                            .<------- D51GA
5042                        D51GA
                                V
                                V
5046                        R51H
                                .
5057                            .                .<------- D922W
5054                            .          D922W
                                .                .
5058                        C51D ............
                                .
5066                            .-------> S51EW
5062                        S51ES
                                V
                                V
5069                        R51I
                                .
5077                    CBH51............
                            .
5085                        .-------> D51BH
5081                    DBH51
                            .
5091                            .<------- S51EW
5088                        S51EW
                                V
                                V
5092                        R822EW
                                .
5104                            .                .<------- D822ES
5101                            .          D822ES
                                .                .
5105                        C822E1...........
                                V
                                V
5108                        RES8
                                V
```

```
5116                  V
                  R822WW
5125                                8-22W
5139                                        -------> D822WW
5135                              D822WS
5142            C8-22W.......................
5149                  -------> SBH3S
5145            SBH3W
                    V
                    V
5152            RBH5
5163                      <------- D822WW
5160                  D822WW
5168                      -------> S59EW
5164                  S59ES
                          V
                          V
5171                  R591
5179            CBH59............
5187                  -------> D59BH
5183            DBH59
                    V
                    V
5190            RBH6
5201                      <------- SGA5S
5198                  SGA5S
                          V
                          V
5202                  R722S
5211                              7-22
5224                                            <------- S59EW
5221                                        S59EW
                                                V
                                                V
5225                                        R722W
5234                  C7-22........................
5241                      -------> D722W
5237                  D722S
```


S74PRINT

```
5244          CBH2 ............
                  .
                  .
5252              .-------> SBH4S
5248          SBH4W
                  V
                  V
5255          RBH7
                  .
                  .
5266              .<-------  D67GA
5263              .     D67GA
                  .         V
                  .         V
5267              .     R67J
                  .         .
                  .         .
5278              .         .<-------  D722W
5275              .         .     D722W
                  .         .         .
                  .         .         .
5279              .     C67E ............
                  .         .
                  .         .
5287              .         .-------> S67FW
5283              .     S67FS
                  .         V
                  .         V
5290              .     R67K
                  .         .
                  .         .
5298          CBH67............
                  .
                  .
5306              .-------> D67BH
5302          DBH67
                  V
                  V
5309          RBH8
                  .
                  .
5320              .<-------  SGA6S
5317              .     SGA6S
                  .         V
                  .         V
5321              .     R1221S
                  .         .
                  .         .
5330              .         .     12-21
                  .         .         .
                  .         .         .
5344              .         .         .-------> D1221R
5340              .         .     RET12
                  .         .         .
                  .         .         .
5350              .         .         .<-------  S67FW
5347              .         .         .     S67FW
                  .         .         .         V
                  .         .         .         V
5351              .         .         .     R1221W
                  .         .         .         .
                  .         .         .         .
5360              .     C12-21.......................
                  .         .
                  .         .
5367              .         .-------> D1221W
```


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```
5363          .          .     D1221S
              .          .          .
              .          .          .
5370          .      CBH3.............
              .          .
              .          .
5378          .          .-------->  SBH5S
5374          .     SBH5W
              .         V
              .         V
5381          .      RBH9
              .          .
              .          .
5392          .          .          .<-------  D75GA
5389          .          .     D75GA
              .          .         V
              .          .         V
5393          .          .      R75K
              .          .          .
              .          .          .
5404          .          .          .          .<-------  D1221W
5401          .          .          .     D1221W
              .          .          .          .
              .          .          .          .
5405          .          .      C75E.............
              .          .          .
              .          .          .
5413          .          .          .-------->  S75GW
5409          .          .     S75GS
              .          .         V
              .          .         V
5416          .          .      R75L
              .          .          .
              .          .          .
5424          .     CBH75.............
              .          .
              .          .
5432          .          .-------->  D75BH
5428          .     DBH75
              .         V
              .         V
5435          .     RBH10
              .          .
              .          .
5446          .          .          .<-------  SGA7S
5443          .          .     SGA7S
              .          .         V
              .          .         V
5447          .          .    R1121S
              .          .          .
              .          .          .
5456          .          .          .      11-21
              .          .          .          .
              .          .          .          .
5470          .          .          .          .-------->  D1121R
5466          .          .          .      RET11
              .          .          .          .
              .          .          .          .
5476          .          .          .          .          .<-------  S75GW
5473          .          .          .          .     S75GW
              .          .          .          .         V
              .          .          .          .         V
5477          .          .          .          .    R1121W
              .          .          .          .          .
              .          .          .          .          .
5486          .          .    C11-21.......................
```

```
5493                                  .-------> D1121W
5489                        D1121S
                                      :
5496                  CBH4............
                                      :
5504                  .-------> SBH6S
5500                SBH6W
                      V
                      V
5507                RBH11
                                      :
5518                                  .<------- D83GA
5515                          D83GA
                                  V
                                  V
5519                          R83J
                                      :
                                      :
5530                                  :         .<------- D1121W
5527                                  :     D1121W
                                      :         :
                                      :         :
5531                          C83E............
                                      :
                                      :
5539                                  .-------> S83FW
5535                          S83FS
                                  V
                                  V
5542                          R83K
                                      :
                                      :
5550                CBH83...........
                                      :
5560                  .-------> D83BH
5554                DBH83
                      V
                      V
5563                RBH12
                                      :
                                      :
5574                                  .<------- SGA8S
5571                          SGA8S
                                  V
                                  V
5575                          R1021S
                                      :
                                      :
5584                                  :     10-21
                                      :         :
                                      :         :
5598                                  :         .-------> D1021R
5594                                  :     RET10
                                      :         :
                                      :         :
5604                                  :         :         .<------- S83FW
5601                                  :         :     S83FW
                                      :         :         V
                                      :         :         V
5605                                  :         :     R1021W
```

```
5614                C10-21.......................
5621                      .-------> D1021W
5617                D1021S
5627                            .<-------   D91GA
5624                      D91GA
                             V
                             V
5628                       R91G
5639                                      .<-------  D1021W
5636                            D1021W
5640                       C91D............
5648                            .-------->   S91DW
5644                      S91DS
                             V
                             V
5651                       R91H
5659             CBH5........................
                  V
                  V
5663            RES10
5678                 .------->   SBH7S
5672            SBH7W
5685                 .------->   D91BH
5681            DBH91
                  V
                  V
5688            RBH13
5699                      .<-------   SGA9S
5696                SGA9S
                      V
                      V
5700                R921S
5709                       9-21
5722                                      .<-------   S91DW
5719                            S91DW
                                   V
                                   V
5723                            R921W
5732                C9-21........................
```

```
5739                    .-------> D921W
5735                D921S
                        .
                        .
5745                    .<-------   D99GA
5742                D99GA
                        V
                        V
5746                R99B
                        .
                        .
5757                    .<-------   D921W
5754                        D921W
                        .           .
                        .           .
5758                C99A............
                        .
                        .
5767                    .------->   S99AW
5762                S99AS
                        V
                        V
5770                R99C
                        .
                        .
5778            CBH6........................
                    V
                    V
5782            RES9
                    .
                    .
5797                .-------> SBH8S
5791            SBH8W
                    .
                    .
5804                .-------> D99BH
5800            DBH99
                    V
                    V
5807            RBH14
                    .
                    .
5815                8-21E
                        .
                        .
5828                    .<-------   S99AW
5825                S99AW
                        V
                        V
5829                R821EW
                        .
                        .
5838                C8-21E............
                        .
                        .
5845                    .-------> D821EW
5841                D821ES
                        .
                        .
5848            CBH7............
                    V
                    V
5851            RES8S
                    .
                    .
```


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```
5859                    8-21W
                          .
5869            C8-21W............
                          .
                          .
5875                      .<-------  D821EW
5872                  D821EW
                          V
                          V
5876                  RES8N
                          .
                          .
5884      NULL5......................
                          .
                          .
5890                      .<-------  D27BH
5887            D27BH
                    V
                    V
5891            R27D
                          .
                          .
5899                  13-22
                          .
                          .
5909                      .      14-22
                          .          .
                          .          .
5923                      .          .          .<-------  SD31AS
5919                      .          .     SD31AS
                          .          .          .
                          .          .          .
5924                      .     CSD31B............
                          .          .
                          .          .
5933                      .          .-------->  SD31BS
5927                      .     SD31B
                          .          .
                          .          .
5940                      .          .-------->  D1422W
5936                      .     D1422E
                          .          .
                          .          .
5943            CCB27......................
                          .
                          .
5954                      .-------->  D27CB
5947            DCB27
                          .
                          .
5960                      .<-------  D35BH
5957                  D35BH
                          V
                          V
5961                  R35G
                          .
                          .
5972                      .          .<-------  D1422W
5969                      .     D1422W
                          .          .
                          .          .
5973                      .          .     15-22
                          .          .          .
                          .          .          .
5987                      .          .          .          .<-------  SD39AS
```

```
5983                                                  SD39AS
                                                         .
                                                         .
5988                                          CSD39B.............
                                                         .
                                                         .
5997                                                     .-------> SD39BS
5991                                          SD39B
                                                         .
                                                         .
6004                                                     .-------> D1522W
6000                                          D1522E
                                                         .
                                                         .
6007                  CCB35.................................
                                                         .
                                                         .
6018                  .-------> D35CB
6011                  DCB35
                                                         .
                                                         .
6024                                  .<-------  D43BH
6021                          D43BH
                                  V
                                  V
6025                          R43H
                                  .
                                  .
6036                                          .<-------  D1522W
6033                                  D1522W
                                          .          .
                                          .          .
6037                          C43E ............
                                  .
                                  .
6047                              .-------> S43EW
6041                          S43ES
                                  V
                                  V
6050                          R43I
                                  .
                                  .
6061                                          .<-------  D51BH
6058                                  D51BH
                                          V
                                          V
6062                                  RGR4
                                          .
                                          .
6075                                          .          .<-------  SBH2S
6072                                          .      SBH2S
                                              .          V
                                              .          V
6076                                          .      R1622S
                                              .          .
                                              .          .
6085                                          .          .      16-22E
                                              .          .          .
                                              .          .          .
6098                                          .          .          .          .<-------  S43EW
6095                                          .          .          .      S43EW
                                              .          .          .          V
                                              .          .          .          V
6099                                          .          .          .      R1622W
                                              .          .          .          .
                                              .          .          .          .
```


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```
6108                                  C1622E.................................
                                          V
                                          V
6111                                   RGR5
                                          .
                                          .
6121                   CCB43.......................
                           .
                           .
6132                       .-------> D43CB
6125                   DCB43
                           .
                           .
6135                           16-22W
                               .
                               .
6149                           .-------> D1622W
6145                           D1622S
                               .
                               .
6152                   CCB1 ............
                           .
                           .
6160                       .-------> SCB1S
6156                   SCB1W
                           V
                           V
6163                   RCB1
                           .
                           .
6174                           .<------- D1622W
6171                           D1622W
                               .
                               .
6179                           .-------> S51FW
6175                            S51FS
                                 V
                                 V
6182                            R51J
                               .
                               .
6190                   CCB51............
                           .
                           .
6198                       .-------> D51CB
6194                   DCB51
                           V
                           V
6201                   RCB2
                           .
                           .
6212                           .<------- SBH3S
6209                            SBH3S
                                 V
                                 V
6213                           R1722S
                               .
                               .
6222                                   17-22
                                          .
                                          .
6235                                          .<------- S51FW
6232                                       S51FW
                                              V
                                              V
6236                                       R1722W
```

```
6245                C17-22.......................
                         .
6252                     .-------> D1722W
6248                C17-22
                         .
6255           CCB2 .............
                   .
6263               .-------> SCB2S
6259           SCB2W
                 V
                 V
6266           RCB3
                   .
                   .
6277                     .<-------  D59BH
6274                D59BH
                         V
                         V
6278                R59J
                         .
                         .
6289                     .          .<-------  D1722W
6286                     .     D1722W
                         .          .
                         .          .
6290                C59E .............
                         .
                         .
6298                     .-------> S59FW
6294                S59FS
                         V
                         V
6301                R59K
                         .
                         .
6309           CCB59.............
                   .
                   .
6320               .-------> D59CB
6313           DCB59
                 V
                 V
6323           RCB4
                   .
                   .
6334                     .<-------  SBH4S
6331                SBH4S
                         V
                         V
6335                R1822S
                         .
                         .
6344                     .     18-22
                         .          .
                         .          .
6357                     .          .          .<-------  S59FW
6354                     .          .     S59FW
                         .          .          V
                         .          .          V
6358                     .          .     R1822W
                         .          .          .
```


1<71+PRINT

```
6367                C18-22.......................
                    .
6374                .-------> D1822W
6370                D1822S
                    .
6377          CCB3 .............
                    .
6385                .-------> SCB3S
6381          SCB3W
                  V
                  V
6388          RCB5
                    .
                    .
6399                .<------- D67BH
6396                D67BH
                    V
                    V
6400                R67L
                    .
                    .
6411                .                .<------- D1822W
6408                .          D1822W
                    .                .
                    .                .
6412                C67F .............
                    .
                    .
6420                .-------> S67GW
6416                S67GS
                    V
                    V
6423                R67M
                    .
                    .
6431          CCB67.............
                    .
                    .
6439                .-------> D67CB
6435          DCB67
                  V
                  V
6442           RCB6
                    .
                    .
6453                .<------- SBH5S
6450                SBH5S
                    V
                    V
6454                R1321S
                    .
                    .
6463                .          13-21
                    .                .
                    .                .
6476                .                .                .<------- S67GW
6473                .                .          S67GW
                    .                .                V
                    .                .                V
6477                .                .          R1321W
                    .                .                .
                    .                .                .
```


C71-4PRINT

```
6486                C13-21.......................
                       .
6493                   .-------> D1321W
6489                D1321S
                       .
                       .
6496            CCB4............
                       .
                       .
6503                   .-------> SCB4S
6499            SCB4W
                    V
                    V
6506            RCB7
                       .
                       .
6517                   .<------- D75BH
6514                D75BH
                       V
                       V
6518                R75M
                       .
                       .
6529                   .         .<------- D1321W
6526                   .      D1321W
                       .         .
                       .         .
6530                R75F............
                       .
                       .
6538                   .-------> S75HW
6534                S75HS
                       V
                       V
6541                R75N
                       .
                       .
6549            CCB75...........
                       .
                       .
6557                   .-------> D75CB
6553            DCB75
                    V
                    V
6560            RCB8
                       .
                       .
6571                   .<------- SBH6S
6568                SBH6S
                       V
                       V
6572                R1421S
                       .
                       .
6584                   .         .<------- S75HW
6581                   .      S75HW
                       .         V
                       .         V
6585                   .      R1421W
                       .         .
                       .         .
6594                   .         .     14-21E
                       .         .        .
                       .         .        .
6608                   .         .        .-------> D1421R
```


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```
6604                                                  RET14E
6611                          C1421E
6617                                  -------> D1421X
6614                          D1421E
6620                                      14-21W
6634                                              -------> D1421P
6630                                      RET14W
6637                          C1421W
6644                                  -------> D1421W
6640                          D1421S
6647                     CCB5
6655                          -------> SCB5S
6651                     SCB5W
                            V
                            V
6658                     RCB9
6669                                  <------- D1421X
6666                          D1421X
                                  V
                                  V
6670                          RES14E
6681                                              <------- D83BH
6678                                      D83BH
                                              V
                                              V
6682                                       R83L
6693                                                      <------- D1421W
6690                                                  D1421W
6694                            C83F
6702                                  -------> S83GW
6698                            S83GS
                                  V
                                  V
6705                            R83M
6713                     CCB83
6721                          -------> D83CB
```

```
6717          DCB83
                 V
              RCB10

6735                   <-------   SBH7S
6732                SBH7S
                       V
6736                R1521S

6745                          15-21

6759                                  ------->   D15
6755                          RET15

6765                                            <-------   S83GW
6762                                       S83GW
                                              V
6766                                       R1521W

6775                C15-21.......................

6782                       ------->  D1521W
6778                D1521S

6785            CCB6............

6792            ------->   SCB6S
6788          SCB6W
                 V
6795          RCB11

6806                   <-------   D91BH
6803              D91BH

6810                                  <-------  D1521W
6807                          D1521W

6811              C91E............

6819                       ------->   S91EW
6815              S91ES
                     V
6822              R91J

6830          CCB91............

6838            ------->   D91CB
```


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```
6834          .      DCB91
              .        V
              .        V
6841          .      RCB12
              .        .
              .        .
6852          .        .<-------   SBH8S
6849          .        .     SBH8S
              .        .       V
              .        .       V
6853          .        .    R1621S
              .        .       .
              .        .       .
6862          .        .       .      16-21
              .        .       .        .
              .        .       .        .
6875          .        .       .        .          .<-------   S91EW
6872          .        .       .        .      S91EW
              .        .       .        .        V
              .        .       .        .        V
6876          .        .       .        .     R1621W
              .        .       .        .        .
              .        .       .        .        .
6885          .        .    C16-21.......................
              .        .       .
              .        .       .
6892          .        .       .-------> D1621W
6888          .        .    D1621S
              .        .       .
              .        .       .
6895          .      CCB7............
              .        .
              .        .
6902          .        .------->   SCB7S
6898          .      SCB7W
              .        V
              .        V
6905          .      RCB13
              .        .
              .        .
6916          .        .<-------   D99BH
6913          .        .     D99BH
              .        .       .
              .        .       .
6920          .        .       .          .<-------  D1621W
6917          .        .       .      D1621W
              .        .       .        .
              .        .       .        .
6921          .        .     C99B............
              .        .       .
              .        .       .
6929          .        .       .------->   S99BW
6925          .        .     S99BS
              .        .       V
              .        .       V
6932          .        .      R99E
              .        .       .
              .        .       .
6940          .      CCB99...........
              .        .
              .        .
6948          .        .------->   D99CB
6944          .      DCB99
              .        V
              .        V
6951          .      RCB14
```

```
6959                    17-21E
                           .
6972                       .<-------  S99BW
6969                    S99BW
                           V
                           V
6973                    R1721W
                           .
                           .
6982                    C1721E............
                           .
                           .
6989                       .-------> D1721W
6985                    D1721S
                           .
                           .
6992                 CCB8............
                        .
                        .
6999                    .-------> SCB8S
6995                 SCB8W
                        V
                        V
7002                 RCB15
                        .
                        .
7013                       .<------- D1721W
7010                    D1721W
                           .
                           .
7014                 CCB107............
                        .
                        .
7022                    .-------> D107CB
7018                 DCB107
                        .
                        .
7025                    17-21W
                           V
                           V
7035                    R1821W
                           .
                           .
7044                       .        18-21
                           .          .
                           .          .
7054                 C18-21.........................
                        .
                        .
7057           NULL6............
                        .
                        .
7060                 23-22
                        .
                        .
7074                       .<------- SD31BS
7070                    SD31BS
                           .
                           .
7075                 CSD31C............
                        .
                        .
7084                    .-------> SD31CS
```

```
7078          .     SD31C
              .          .
              .          .
7091          .          .-------> D2322W
7087          .     D2322E
              .          .
              .          .
7097          .          .          .<-------  D27CB
7094          .          .     D27CB
              .          .          V
              .          .          V
7098          .          .     R27E
              .          .          .
              .          .          .
7106          .          .          .      24-22
              .          .          .          .
              .          .          .          .
7116          .     CIS27.......................
              .          .
              .          .
7127          .          .-------> D27IS
7120          .     DIS27
              .          .
              .          .
7133          .          .          .<-------  D35CB
7130          .          .     D35CB
              .          .          V
              .          .          V
7134          .          .     R35H
              .          .          .
              .          .          .
7145          .          .          .          .<-------  D2322W
7142          .          .          .     D2322W
              .          .          .          .
              .          .          .          .
7146          .          .     C35D .............
              .          .          V
              .          .          V
7150          .          .     R35I
              .          .          .
              .          .          .
7158          .     CIS35............
              .          .
              .          .
7165          .          .          .<-------  D43CB
7162          .          .     D43CB
              .          .          .
              .          .          .
7170          .          .          .-------> SD43AS
7166          .          .    SD43A
              .          .          V
              .          .          V
7173          .          .     RGR6
              .          .          .
              .          .          .
7183          .          .          .     22-22E
              .          .          .          .
              .          .          .          .
7197          .          .          .          .          .<-------  SD39BS
7193          .          .          .          .     SD39BS
              .          .          .          .          .
              .          .          .          .          .
7198          .          .    C2222E.........................
              .          .          .
              .          .          .
7207          .          .          .-------> SD39CS
```

```
7201                 SD39C
                         V
                         V
7210                 RGR7
                         .
                         .
7220          CIS35A............
                 .
                 .
7231             .-------> D35IS
7224          DIS35
                 .
                 .
7238             .-------> SIS1AS
7234          SIS1AW
                 .
                 .
7241                 22-22W
                         .
                         .
7255                     .-------> D2222W
7251                 D2222S
                         .
                         .
7262                     .        .<-------  SD39CS
7258                     .     SD39CS
                         .           .
                         .           .
7263          C2222W.......................
                 .
                 .
7274             .-------> SIS1S
7266          SIS1W
                 V
                 V
7277          RIS1
                 .
                 .
7288                     .<-------  D2222W
7285                 D2222W
                         .
                         .
7293                     .        .<-------  SD43AS
7289                     .     SD43AS
                         .           .
                         .           .
7294                 CSD43A............
                         .
                         .
7304                     .-------> S43FW
7298                  S43FS
                         V
                         V
7307                  R43J
                         .
                         .
7315          CIS43............
                 .
                 .
7326             .-------> D43IS
7319          DIS43
                 V
                 V
7329          RIS2
                 .
                 .
```


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```
7340                    .<-------   SCB1S
7337                SCB1S
                        V
                        V
7341                R2122S
                        .
                        .
7350                    .       21-22
                        .           .
                        .           .
7363                    .           .           .<-------   S43FW
7360                    .           .       S43FW
                        .           .           V
                        .           .           V
7364                    .           .      R2122W
                        .           .           .
                        .           .           .
7373                R21-22.......................
                        .
                        .
7380                    .-------> D2122W
7376                D2122S
                        .
                        .
7383            CIS1 ............
                        .
                        .
7392                    .-------> SIS2SA
7387            SIS2WA
                        .
                        .
7401                    .------->  SIS2S
7395            SIS2W
                        V
                        V
7404            RIS3
                        .
                        .
7415                    .<-------   D51CB
7412                D51CB
                        V
                        V
7416                R51K
                        .
                        .
7427                    .           .<-------  D2122W
7424                    .       D2122W
                        .           .
                        .           .
7428                R51E ............
                        .
                        .
7438                    .------->   S51GW
7432                S51GS
                        V
                        V
7441                R51L
                        .
                        .
7449            CIS51............
                        .
                        .
7460                    .------->   D51IS
7453            DIS51
                        V
                        V
```

```
7463          RIS4
7474                  <-------  SCB2S
7471          SCB2S
                 V
                 V
7475          R2022S
7484                        20-22
7497                                  <-------  S51GW
7494                                S51GW
                                       V
                                       V
7498                                R2022W
7507          C20-22.......................
7514                  -------> D2022W
7510          D2022S
7517          CIS2 ............
7528                  -------> SIS3S
7521          SIS3W
                 V
                 V
7531          RIS5
7542                  <-------  D59CB
7539          D59CB
                 V
                 V
7543          R59L
7554                                  <-------  D2022W
7551                        D2022W
7555          C59F ............
7565                  -------> S59GW
7559          S59GS
                 V
                 V
7568          R59M
7576          CIS59............
7587                  -------> D59IS
7580          DIS59
                 V
                 V
7590          RIS6
```

```
                .          .
                .          .
7601            .          .<-------   SCB3S
7598            .          .     SCB3S
                .          .        V
                .          .        V
7602            .          .    R1922S
                .          .        .
                .          .        .
7611            .          .        .      19-22
                .          .        .         V
                .          .        .         V
7621            .          .        .       PAGC
                .          .        .         .
                .          .        .         .
7632            .          .        .         .          .<-------   S59GW
7629            .          .        .         .      S59GW
                .          .        .         .         V
                .          .        .         .         V
7633            .          .        .         .     R1922W
                .          .        .         .          .
                .          .        .         .          .
7642            .          .    C19-22.......................
                .          .        .
                .          .        .
7649            .          .        .-------> D1922W
7645            .          .    D1922S
                .          .        .
                .          .        .
7652            .      CIS3 ............
                .          .
                .          .
7662            .          .------->   SIS4S
7656            .      SIS4W
                .          .
                .          .
7668            .          .        .<-------   D67CB
7665            .          .     D67CB
                .          .        V
                .          .        V
7669            .          .     R67N
                .          .        .
                .          .        .
7680            .          .        .          .<-------  D1922W
7677            .          .        .      D1922W
                .          .        .          .
                .          .        .          .
7681            .          .     C67G ............
                .          .        .
                .          .        .
7690            .          .        .------->   S67HW
7685            .          .     S67HS
                .          .        .
                .          .        .
7693            .      CIS67............
                .          .
                .          .
7706            .          .------->   D67IS
7697            .      DIS67
                .          .
                .          .
7712            .          .        .<-------   S67HW
7709            .          .     S67HW
                .          .        V
                .          .        V
7713            .          .    R2421W
```

```
7722                    24-21N
                           .
7735                       .<-------  SCB4S
7732                    SCB4S
                           V
                           V
7736                    R2421S
                           .
                           .
7745                C2421N.......................
                           V
                           V
7748                RES24N
                           .
                           .
7757                    24-21S
                           .
                           .
7767                C2421S............
                           .
                           .
7774                       .-------> D2421W
7770                D2421S
                           .
                           .
7777            CIS5............
                           .
                           .
7784                       .-------> SIS5S
7780            SIS5W
                           V
                           V
7787            RIS8
                           .
                           .
7797                       .<-------  D75CB
7795                D75CB
                           .
                           .
7801                       .<-------  D2421W
7798                    D2421W
                           .
                           .
7802                C75F1............
                           .
                           .
7810                       .-------> S75IW
7806                S75IS
                           V
                           V
7813                R75O
                           .
                           .
7821            CIS75............
                           .
                           .
7834                       .-------> D75IS
7825            DIS75
                           V
                           V
7837            RIS9
                           .
                           .
```


K/14PRINT

```
7848                .<-------   SCB5S
7845             SCB5S
                    V
                    V
7849             R2321S
                    .
                    .
7858                .      23-21
                    .         .
                    .         .
7871                .         .          .<-------   S75IW
7868                .         .      S75IW
                    .         .          V
                    .         .          V
7872                .         .     R2321W
                    .         .          .
                    .         .          .
7881             C23-21.......................
                    .
                    .
7888                .-------> D2321W
7884             D2321S
                    .
                    .
7891          CIS6............
                    .
                    .
7900          .------->   SIS6S
7894          SIS6W
                 V
                 V
7903          RIS10
                    .
                    .
7914                .<-------   D83CB
7911             D83CB
                    V
                    V
7915             R83N
                    .
                    .
7926                .          .<-------  D2321W
7923                .     D2321W
                    .         .
                    .         .
7927             C83G............
                    .
                    .
7935                .------->   S83HW
7931             S83HS
                    V
                    V
7938             R83O
                    .
                    .
7946          CIS83............
                    .
                    .
7957          .------->   D83IS
7950          DIS83
                 V
                 V
7960          RIS11
                    .
                    .
7971                .<-------   SCB6S
```

```
7968                    SCB6S
                          V
                          V
7972                    R2221S
                          .
7981                      .        22-21
                          .          .
7994                      .          .          .<-------   S83HW
7991                      .          .       S83HW
                          .          .          V
                          .          .          V
7995                      .          .       R2221W
                          .          .          .
                          .          .          .
8004                    C22-21......................
                          .
                          .
8011                      .-------> D2221W
8007                    D2221S
                          .
                          .
8014                CIS7............
                          .
                          .
8024                      .------->   SIS7S
8018                SIS7W
                          V
                          V
8027                RIS12
                          .
                          .
8038                      .<-------   D91CB
8035                  D91CB
                          V
                          V
8039                  R91K
                          .
                          .
8050                      .          .<-------  D2221W
8047                      .        D2221W
                          .          .
                          .          .
8051                  C91F............
                          .
                          .
8059                      .------->   S91FW
8055                  S91FS
                          V
                          V
8062                  R91L
                          .
                          .
8070                CIS91...........
                          .
                          .
8081                      .------->   D911S
8074                DIS91
                          V
                          V
8084                RIS13
                          .
                          .
8095                      .<-------   SCB7S
8092                  SCB7S
```


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```
                 .          .          V
                 .          .          V
8096             .          .     R2121S
                 .          .          .
                 .          .          .
8105             .          .          .      21-21
                 .          .          .          .
                 .          .          .          .
8118             .          .          .          .          .<-------   S91FW
8115             .          .          .          .      S91FW
                 .          .          .          .          V
                 .          .          .          .          V
8119             .          .          .          .     R2121W
                 .          .          .          .          .
                 .          .          .          .          .
8128             .          .     C21-21.......................
                 .          .          .
                 .          .          .
8135             .          .          .-------> D2121W
8131             .          .     D2121S
                 .          .          .
                 .          .          .
8138             .      CIS8............
                 .          .
                 .          .
8145             .          .------->   SIS8S
8141             .      SIS8W
                 .          V
                 .          V
8148             .      RIS14
                 .          .
                 .          .
8159             .          .          .<-------   D99CB
8156             .          .      D99CB
                 .          .          V
                 .          .          V
8160             .          .       R99F
                 .          .          .
                 .          .          .
8171             .          .          .          .<-------  D2121W
8168             .          .          .      D2121W
                 .          .          .          .
                 .          .          .          .
8172             .          .       C99C............
                 .          .          .
                 .          .          .
8180             .          .          .------->   S99CW
8176             .          .      S99CS
                 .          .          V
                 .          .          V
8183             .          .       R99G
                 .          .          .
                 .          .          .
8191             .      CIS99............
                 .          .
                 .          .
8199             .          .------->   D99IS
8195             .      DIS99
                 .          V
                 .          V
8202             .      RIS15
                 .          .
                 .          .
8213             .          .          .<-------   SCB8S
8210             .          .      SCB8S
                 .          .          V
```

```
                    V
8214            R2021S
                    .
                    .
8223                .        20-21
                    .           .
                    .           .
8237                .           .-------> D2021R
8233                .        RET20
                    .           .
                    .           .
8243                .           .        .<-------   S99CW
8240                .           .     S99CW
                    .           .        V
                    .           .        V
8244                .           .    R2021W
                    .           .        .
                    .           .        .
8253            C20-21.......................
                    .
                    .
8260                .-------> D2021W
8256            D2021S
                    .
                    .
8263        CIS9............
                    .
                    .
8270                .-------> SIS9S
8266        SIS9W
                V
                V
8273        RIS16
                    .
                    .
8284                .<------- D107CB
8281            D107CB
                    V
                    V
8285            R107A
                    .
                    .
8296                .           .<------- D2021W
8293                .        D2021W
                    .           .
                    .           .
8297            C107A............
                    .
                    .
8305                .-------> S107AW
8301            S107AS
                    V
                    V
8308            R107B
                    .
                    .
8316        CIS107............
                    .
                    .
8324                .-------> D107IS
8320        DIS107
                V
                V
8327        RIS17
                    .
                    .
```


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```
8335                    19-21
                          .
8348                      .<------- S107AW
8345                  S107AW
                          V
                          V
8349                  R1921W
                          .
                          .
8358              C19-21............
                          .
                          .
8365                      .-------> D1921W
8361              D1921S
                          .
                          .
8368          CIS10............
                  V
                  V
8371          RIS18
                  .
                  .
8381                      .<------- D1921W
8379              D1921W
                          .
                          .
8382      NULL7........................
                  .
                  .
8388              .<-------  D35IS
8385          D35IS
                  V
                  V
8389          RGR8
                  .
                  .
8402                      .<-------  D27IS
8399              D27IS
                      V
                      V
8403              R27F
                      .
                      .
8411                  .      26-22N
                      .          .
                      .          .
8425                  .          .          .<------- SD31CS
8421                  .          .      SD31CS
                      .          .          .
                      .          .          .
8426          C2622N.................................
                  .
                  .
8436              .-------> SD31DS
8430          SD31D
                  V
                  V
8439          RES26T
                  .
                  .
8456              .------->   D26S
8449          D26W
                  .
                  .
8462                      .<------- SIS1AS
```

```
8459                SIS1AS
                       .
                       .
8469                   .-------> SD35DS
8463                SD35DW
                       V
                       V
8472                R2722W
                       .
                       .
8484                   .          .<-------  SIS1S
8481                   .      SIS1S
                       .          V
                       .          V
8485                   .      R2722S
                       .          .
                       .          .
8494                   .          .      27-22N
                       .          .          .
                       .          .          .
8504            C2722N.................................
                       .
                       .
8515                   .-------> D2722A
8508            D2722N
                       .
                       .
8526                   .------->   D39S
8518              D39
                       .
                       .
8532                   .<-------  D43IS
8529                D43IS
                       V
                       V
8533                R43K
                       .
                       .
8548                   .------->  S43GW
8541                S43GS
                       .
                       .
8554                   .          .<-------  D2722A
8551                   .      D2722A
                       .          .
                       .          .
8555            C2722A.......................
                       V
                       V
8558              PA43
                       .
                       .
8577                   .------->   D43S
8570              D43
                       V
                       V
8580            R2822W
                       .
                       .
8592                   .<-------  SIS2S
8589                SIS2S
                       .
                       .
8597                   .          .<-------  SIS2SA
8593                   .      SIS2SA
                       .          .
```

```
8598                C2822A............
                        V
                        V
8601                R2822S
                        .
8610                    .      28-22N
                        .          .
8623                    .          .          .<-------   S43GW
8620                    .          .      S43GW
                        .          .          .
8624                C2822N......................
                        .
8633                    .-------> D2822A
8627                D2822N
                        .
8636            C2822D............
                    V
                    V
8639             PA47
                    .
8655                .------->   D47S
8649             D47
                    .
8661                    .<-------   D51IS
8658            D51IS
                    V
                    V
8662            R51M
                    .
8677                    .------->   S51HW
8670            S51HS
                    .
8683                    .          .<-------  D2822A
8680                    .      D2822A
                        .          .
8684            C2822B......................
                    V
                    V
8687             PA51
                    .
8706                .------->   D51S
8698             D51
                    .
8712                    .<-------   SIS3S
8709            SIS3S
                    V
                    V
8713            R2922S
                    .
8722                    .      29-22N
                        .          .
```

```
8732                C2922N............
                         .
8741                     .-------> D2922A
8735                D2922N
                         .
8747                     .<-------  S51HW
8744                     .     S51HW
                         .        .
8748            C2922B.......................
                   V
                   V
8751            PA55
                   .
8771               .------->   D55S
8763            D55
                   .
8777                   .<-------  D59IS
8774                D59IS
                       .
8785                   .------->  S59HW
8778                S59HS
                       .
8791                   .<-------  D2922A
8788                   .     D2922A
                       .        .
8792            C2922A.......................
                   V
                   V
8795            PA59
                   .
8810               .------->   D59S
8805            D59
                   .
8816                   .<-------  SIS4S
8813                SIS4S
                       V
                       V
8817                R3022S
                       .
8826                   .     30-22N
                       .        .
8839                   .                .<-------  S59HW
8836                   .           S59HW
                       .                .
8840            C3022N.................................
                   V
                   V
8843            PA63
                   .
8858               .------->   D63S
8854            D63
                   .
```

```
8864                  .<-------   D26S
8861            D26S
                   V
                   V
8865          R2622S
                   .
                   .
8874                  .     26-22E
                   .          .
                   .          .
8884          C2622E.............
                   V
                   V
8887          RES26E
                   .
                   .
8905                  .------->  D27TR
8895           DTR27
                   .
                   .
8908                  .     26-22S
                   .          .
                   .          .
8922                  .          .------->  D2622W
8918                  .     D2622S
                   .          .
                   .          .
8927                  .          .          .<-------  SD31DS
8925                  .          .     SD31DS
                   .          .          .
                   .          .          .
8928          C2622S........................
                   .
                   .
8940                  .------->  STR1S
8932           STR1W
                   V
                   V
8943            RTR1
                   .
                   .
8953                  .          .<-------  SD35DS
8951                  .     SD35DS
                   .          .
                   .          .
8954                  .          .     26-22W
                   .          .          .
                   .          .          .
8967                  .          .          .          .<-------  D2622W
8964                  .          .          .     D2622W
                   .          .          .          .
                   .          .          .          .
8968                  .       C35E........................
                   .          .
                   .          .
8978                  .          .------->  S35DS
8972                  .      S35DS
                   .          V
                   .          V
8981                  .       R35J
                   .          .
                   .          .
8989           CTR35.............
                   .
                   .
```

```
9002                  .-------> D35TR
8993            DTR35
                    V
                    V
9005             RTR2
                    .
                    .
9016                .<-------   D39S
9013                .       D39S
                    .          V
                    .          V
9017                .     R2722A
                    .          .
                    .          .
9026                .          .     27-22S
                    .          .          .
                    .          .          .
9039                .          .          .          .<-------  S35DW
9036                .          .          .      S35DW
                    .          .          .          V
                    .          .          .          V
9040                .          .          .     R2722B
                    .          .          .          .
                    .          .          .          .
9049                .     C2722S.......................
                    .          .
                    .          .
9059                .          .-------> D2722W
9052                .     D2722S
                    .          .
                    .          .
9062             CTR1............
                    .
                    .
9071                .-------> STR2S
9065            STR2W
                    V
                    V
9074             RTR3
                    .
                    .
9085                .<-------   D43S
9082                .       D43S
                    .          .
                    .          .
9089                .          .          .<-------  D2722W
9086                .          .     D2722W
                    .          .          .
                    .          .          .
9090                .       C43F............
                    .          .
                    .          .
9100                .          .-------> S43HW
9094                .      S43HS
                    .          V
                    .          V
9103                .       R43M
                    .          .
                    .          .
9111            CTR43............
                    .
                    .
9122                .-------> D43TR
9115            DTR43
                    .
                    .
```


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```
9128                                  <-------   D51S
9125                          D51S
                                 .
                                 .
9132                                            <-------   D47S
9129                                     D47S
                                 .           .
                                 .           .
9133                          C2822C............
                                 V
                                 V
9136                          R2822A
                                 .
                                 .
9145                                     28-22S
                                 .           .
                                 .           .
9155                          C2822S............
                                 .
                                 .
9162                                 -------> D2822W
9158                          D2822S
                                 .
                                 .
9168                                            <-------   S43HW
9165                                     S43HW
                                 .           V
                                 .           V
9169                                     R2822B
                                 .           .
                                 .           .
9178                       CTR2........................
                              .
                              .
9185                          -------> STR3S
9181                       STR3W
                              .
                              .
9192                          -------> STR4S
9188                       STR4W
                              V
                              V
9195                       RTR4
                              .
                              .
9206                                 <-------  D2822W
9203                          D2822W
                                 .
                                 .
9213                                 -------> S51IW
9207                           S51IS
                                 V
                                 V
9216                           R51N
                                 .
                                 .
9224                       CTR51............
                              .
                              .
9235                          -------> D51TR
9228                       DTR51
                              V
                              V
9238                       RTR5
                              .
                              .
```

```
9248                                  .<-------   D55S
9246                             D55S
                                    V
                                    V
9249                            R2922A
                                    .
                                    .
9258                                .        29-22S
                                    .           .
                                    .           .
9271                                .           .          .<-------   S51IW
9268                                .           .     S51IW
                                    .           .        V
                                    .           .        V
9272                                .           .    R2922B
                                    .           .        .
                                    .           .        .
9281                            C2922S.......................
                                    .
                                    .
9288                                .-------> D2922W
9284                            D2922S
                                    .
                                    .
9291                        CTR3............
                                 .
                                 .
9300                             .------->   STR5S
9294                        STR5W
                                 V
                                 V
9303                        RTR6
                                 .
                                 .
9313                                  .<-------   D59S
9311                             D59S
                                    V
                                    V
9314                            R59N
                                    .
                                    .
9325                                .           .<-------  D2922W
9322                                .        D2922W
                                    .           .
                                    .           .
9326                            C59G............
                                    .
                                    .
9336                                .------->   S59IW
9330                             S59IS
                                    V
                                    V
9339                            R59O
                                    .
                                    .
9347                        CTR59...........
                                 .
                                 .
9358                             .------->   D59TR
9351                        DTR59
                                 V
                                 V
9361                        RTR7
                                 .
                                 .
9371                                  .<-------   D63S
```


IC7148INT

```
9369                D63S
                      V
                      V
9372            R3022A
                      :
                      :
9381                  :      30-22S
                      :          :
                      :          :
9394                  :          :          .<-------   S59IW
9391                  :          :      S59IW
                      :          :          V
                      :          :          V
9395                  :          :      R3022B
                      :          :          :
                      :          :          :
9404            C3022S.......................
                      :
                      :
9411                  :-------> D3022W
9407            D3022S
                      :
                      :
9414         CTR4............
                      :
                      :
9422                  :------->   STR6S
9418         STR6W
                      V
                      V
9425         RTR8
                      :
                      :
9436                  :<-------  D3022W
9433            D3022W
                      :
                      :
9440                  :          :<-------   D67IS
9437                  :      D67IS
                      :          :
                      :          :
9441            C67G1............
                      :
                      :
9451                  :------->   S67IW
9445            S67IS
                      V
                      V
9454             R67O
                      :
                      :
9462      CTR67........................
                      :
                      :
9475                  :------->   D67TR
9468      DTR67
                      V
                      V
9478       RTR9
                      :
                      :
9489                  :<-------   SIS5S
9486         SIS5S
                      V
                      V
9490       R2521S
```

```
                 :          :          :
                 :          :          :
9499             :          :          :      25-21
                 :          :          :        :
                 :          :          :        :-------> D2521R
9513             :          :          :
9509             :          :          :      RET25
                 :          :          :        :
                 :          :          :        :
9519             :          :          :        :         .<-------   S67IW
9516             :          :          :        :      S67IW
                 :          :          :        :         V
                 :          :          :        :         V
9520             :          :          :        :     R2521W
                 :          :          :        :         :
                 :          :          :        :         :
9529             :          :     C25-21.......................
                 :          :          :
                 :          :          :
9536             :          :          :-------> D2521W
9532             :          :     D2521S
                 :          :          :
                 :          :          :
9539             :       CTR5............
                 :          :
                 :          :
9548             :          :-------> STR7S
9542             :      STR7W
                 :          V
                 :          V
9551             :      RTR10
                 :          :
                 :          :
9562             :          :          :<-------   D75IS
9559             :          :      D75IS
                 :          :          V
                 :          :          V
9563             :          :       R75P
                 :          :          :
                 :          :          :
9574             :          :          :        :<-------  D2521W
9571             :          :          :     D2521W
                 :          :          :        :
                 :          :          :        :
9575             :          :       C75G............
                 :          :          :
                 :          :          :
9585             :          :          :-------> S75JW
9579             :          :      S75JS
                 :          :          V
                 :          :          V
9588             :          :       R75Q
                 :          :          :
                 :          :          :
9596             :      CTR75............
                 :          :
                 :          :
9607             :          :-------> D75TR
9600             :      DTR75
                 :          V
                 :          V
9610             :      RTR11
                 :          :
                 :          :
9621             :          :          :<-------   SIS6S
9618             :          :      SIS6S
```

```
                    V
                    V
9622          R2621S
                    .
9631                .        26-21
                    .          .
9644                .          .          .<-------   S75JW
9641                .          .      S75JW
                    .          .          V
                    .          .          V
9645                .          .      R2621W
                    .          .          .
                    .          .          .
9654          C26-21.......................
                    .
9661                .-------> D2621W
9657          D2621S
                    .
                    .
9664       CTR6............
                    .
                    .
9671                .------->   STR8S
9667       STR8W
                 V
                 V
9674       RTR12
                    .
                    .
9685                .<-------   D83IS
9682          D83IS
                    V
                    V
9686           R83P
                    .
                    .
9697                .          .<-------  D2621W
9694                .        D2621W
                    .          .
                    .          .
9698           C83H............
                    .
                    .
9708                .------->   S83IW
9702          S83IS
                    V
                    V
9711           R83Q
                    .
                    .
9719       CTR83...........
                    .
                    .
9730                .------->   D83TR
9723       DTR83
                 V
                 V
9733       RTR13
                    .
                    .
9744                .<-------   SIS7S
9741          SIS7S
                    V
```

```
                                  V
9745                           R2721S
                                    .
                                    .
9754                                .        27-21
                                    .          .
                                    .          .
9768                                .          .-------> D2721R
9764                                .        RET27
                                    .          .
                                    .          .
9774                                .          .        .<-------   S831W
9771                                .          .     S831W
                                    .          .        V
                                    .          .        V
9775                                .          .     R2721W
                                    .          .        .
                                    .          .        .
9784                           C27-21.......................
                                    .
                                    .
9791                                .-------> D2721W
9787                           D2721S
                                    .
                                    .
9794                        CTR7............
                                    .
                                    .
9801                                .------->   STR9S
9797                        STR9W
                                 V
                                 V
9804                        RTR14
                                    .
                                    .
9815                                .<-------   D91IS
9812                           D91IS
                                    .
                                    V
9816                           R91M
                                    .
                                    .
9827                                .          .<-------  D2721W
9824                                .        D2721W
                                    .          .
                                    .          .
9828                           C91G............
                                    .
                                    .
9838                                .------->   S91GW
9832                           S91GS
                                    .
                                    V
9841                           R91N
                                    .
                                    .
9849                        CTR91...........
                                    .
                                    .
9860                                .------->   D91TR
9853                        DTR91
                                 V
                                 V
9863                        RTR15
                                    .
                                    .
```


KC14PRINT

```
9874                    .<-------   SIS8S
9871                 SIS8S
                        V
                        V
9875                R2821S
                        .
                        .
9884                    .      28-21
                        .          .
                        .          .
9897                    .          .          .<-------   S91GW
9894                    .          .      S91GW
                        .          .          V
                        .          .          V
9898                    .          .     R2821W
                        .          .          .
                        .          .          .
9907                C28-21.......................
                        .
                        .
9914                    .-------> D2821W
9910                D2821S
                        .
                        .
9917            CTR8............
                        .
                        .
9924                    .-------> STR10S
9920            STR10W
                        V
                        V
9927            RTR16
                        .
                        .
9938                    .<-------   D99IS
9935                 D99IS
                        V
                        V
9939                 R99H
                        .
                        .
9950                    .          .<-------  D2821W
9947                    .      D2821W
                        .          .
                        .          .
9951                 C99D............
                        .
                        .
9959                    .------->   S99DW
9955                 S99DS
                        V
                        V
9962                 R99I
                        .
                        .
9970            CTR99...........
                        .
                        .
9978                    .------->   D99TR
9974            DTR99
                        V
                        V
9981            RTR17
                        .
                        .
9992                    .<-------   SIS9S
```

```
9989                SIS9S
                      V
                      V
9993                R2921S
                      .
                      .
10002                 .        29-21N
                      .           .
                      .           .
10015                 .           .          .<-------   S99DW
10012                 .           .       S99DW
                      .           .          V
                      .           .          V
10016                 .           .       R2921W
                      .           .          .
                      .           .          .
10025                 .        C2921N.......................
                      .           .
                      .           .
10032                 .           .-------> D2921W
10028                 .        D2921S
                      .           .
                      .           .
10035              CTR9............
                      V
                      V
10038           RES29S
                      .
                      .
10049                 .           .<------- D107IS
10046                 .        D107IS
                      .           V
                      .           V
10050                 .         R107C
                      .           .
                      .           .
10061                 .           .          .<------- D2921W
10058                 .           .        D2921W
                      .           .           .
                      .           .           .
10062                 .         C107B............
                      .           V
                      .           V
10066                 .        RES29W
                      .           .
                      .           .
10079                 .           .-------> D2921C
10074                 .        D2921B
                      .           V
                      .           V
10082                 .        R2921A
                      .           .
                      .           .
10091                 .           .        29-21S
                      .           .           .
                      .           .           .
10101              C107C........................
                      .
                      .
10109                 .-------> D107TR
10105           DTR107
                      V
                      V
10112              RTR18
                      .
                      .
```

```
10120                30-21S
                        .
10134                   .-------> D3021X
10130                RET30S
                        .
10137            C3021S.............
                        .
10144                   .-------> STR11S
10140            STR11W
                     V
                     V
10147             RTR19
                        .
10159                   .-------> D115TR
10155            DTR115
                        .
10162                30-21N
                        .
10176                   .-------> D3021R
10172                RET30N
                        .
10183                   .-------> D3021W
10179                D3021S
                        .
10188                   .                <-------  D2921C
10186                   .          D2921C
                        .               V
                        .               V
10189                   .          R3021W
                        .               .
                        .               .
10198                C3021N.............
                        V
                        V
10201                R3021R
                        .
10213                   .                <-------  D2021W
10210                   .          D3021W
                        .               .
                        .               .
10214        NULL8.................................
                        .
10217             36-22
                        .
10231                   .-------> D3622W
10227            D3622S
                        .
10236                   .        <-------   D27TR
10234                D27TR
                        V
                        V
10237                R27G
                        .
                        .
```

```
10248                                                  .<------- D3622W
10245                                          D3622W
                                                     .
                                                     .
10249                                     C27B............
                                                  .
                                                  .
10257                                             .-------> S27BW
10253                                         S27BS
                                                 V
                                                 V
10260                                         R27H
                                                  .
                                                  .
10268                                 CMD27............
                                          .
                                          .
10279                                     .-------> D27MD
10272                                 DMD27
                                          V
                                          V
10282                                  RMD1
                                          .
                                          .
10293                                             .<------- STR1S
10290                                         STR1S
                                                 V
                                                 V
10294                                       R3522S
                                                  .
                                                  .
10303                                             .      35-22
                                                  .         .
                                                  .         .
10316                                             .         .<------- S27BW
10313                                             .         .      S27BW
                                                  .         .         V
                                                  .         .         V
10317                                             .         .     R3522W
                                                  .         .         .
                                                  .         .         .
10326                                       C35-22........................
                                                  .
                                                  .
10336                                             .-------> D3522W
10329                                       D3522S
                                                  .
                                                  .
10339                                  CMD1............
                                          .
                                          .
10348                                     .-------> SMD1S
10342                                 SMD1W
                                          V
                                          V
10351                                  RMD2
                                          .
                                          .
10362                                             .<------- D35TR
10359                                         D35TR
                                                 V
                                                 V
10363                                         R35K
                                                  .
                                                  .
10374                                             .         .<------- D3522W
```


K/T4PRINT

```
10371                                   D3522W
                                          .
                                          .
10375                            C35F............
                                          .
                                          .
10385                                     .-------> S35EW
10379                            S35ES
                                   V
                                   V
10388                            R35L
                                          .
                                          .
10396                     CMD35............
                                  .
                                  .
10407                             .-------> D35MD
10400                     DMD35
                                  V
                                  V
10410                      RMD3
                                  .
                                  .
10421                                     .<------- STR2S
10418                            STR2S
                                   V
                                   V
10422                          R3422S
                                          .
                                          .
10431                                           34-22
                                                    .
                                                    .
10444                                               .<------- S35EW
10441                                           S35EW
                                                    V
                                                    V
10445                                           R3422W
                                                    .
                                                    .
10454                          C34-22........................
                                          .
                                          .
10464                                     .-------> D3422W
10457                          D3422S
                                          .
                                          .
10467                      CMD2............
                                  .
                                  .
10476                             .-------> SMD2S
10470                      SMD2W
                                  V
                                  V
10479                       RMD4
                                  .
                                  .
10490                                     .<------- D43TR
10487                           D43TR
                                   V
                                   V
10491                           R43N
                                          .
                                          .
10502                                               .<------- D3422W
10499                                           D3422W
```

```
10503                C43G............
                     .
10514                .-------> S431W
10507            S431S
                     V
                     V
10517            R430
                     .
                     .
10525        CMD43............
                 .
                 .
10536            .-------> D43MD
10529        DMD43
                 .
                 .
10542                .<------- STR3S
10539            STR3S
                     .
                     .
10546                .          .<------- STR4S
10543                .      STR4S
                     .          .
                     .          .
10547        C3322W.......................
                 V
                 V
10550        R3322S
                 .
                 .
10559            33-22
                     .
                     .
10572                .          .<------- S431W
10569                .      S431W
                     .          .
                     .          .
10573            C33-22............
                     .
                     .
10580                .-------> D3322W
10576            D3322S
                     .
                     .
10583         CMD3............
                  .
                  .
10591             .-------> SMD3S
10586         SMD3W
                  .
                  .
10597             .-------> SMD4S
10594         SMD4W
                  V
                  V
10600         RMD5
                  .
                  .
10611                .<------- D51TR
10608            D51TR
                     V
                     V
10612            R510
```


K/14PRINT

```
                 :          :          :
                 :          :          :
10623            :          :          :<-------  D3322W
10620            :          :     D3322W
                 :          :          :
                 :          :          :
10624            :       C51F...........
                 :          :
                 :          :
10634            :          :------->   S51JW
10628            :       S51JS
                 :          V
                 :          V
10637            :       R51P
                 :          :
                 :          :
10645            :    CMD51..........
                 :       :
                 :       :
10656            :       :------->   D51MD
10649            :    DMD51
                 :       V
                 :       V
10659            :     RMD6
                 :       :
                 :       :
10670            :       :<-------   STR5S
10667            :       :
                 :       :
                 :       :
10671            :       :
                 :       :
                 :       :
10680            :       :      32-22
                 :       :
                 :       :
10693            :       :
10690            :       :
                 :       :
                 :       :
10694            :       :
                 :       :
                 :       :
10703            :       :
                 :       :
                 :       :
10710            :       :
10706            :       :
                 :       :
                 :       :
10713            :     CMD4...........
                 :       :
                 :       :
10720            :       :------->   SMD5S
10716            :    SMD5W
                 :       V
                 :       V
10723            :     RMD7
                 :       :
                 :       :
10734            :       :<-------   D59TR
10731            :       :
                 :       :
                 :       :
10735            :       :
```

```
10746                                   .<-------  D3222W
10743                            D3222W
                                     .          .
                                     .          .
10747                         C59H............
                                     .
                                     .
10757                                .------->  S59JW
10751                         S59JS
                                 V
                                 V
10760                         R59Q
                                     .
                                     .
10768                   CMD59............
                                 .
                                 .
10779                            .------->  D59MD
10772                   DMD59
                            V
                            V
10782                    RMD8
                                 .
                                 .
10793                            .<-------  STR6S
10790                         STR6S
                                 V
                                 V
10794                       R3122S
                                 .
                                 .
10803                                  31-22
                                     .          .
                                     .          .
10816                                .          .          .<-------  S59JW
10813                                .          .       S59JW
                                     .          .          V
                                     .          .          V
10817                                .          .      R3122W
                                     .          .          .
                                     .          .          .
10826                       C31-22.......................
                                     .
                                     .
10833                                .------->  D3122W
10829                       D3122S
                                     .
                                     .
10836                    CMD5............
                                 .
                                 .
10845                            .------->  SMD6S
10839                   SMD6W
                            V
                            V
10848                    RMD9
                                 .
                                 .
10859                            .<-------  D67TR
10856                         D67TR
                                 V
                                 V
10860                         R67P
                                     .
                                     .
```


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```
10871                                   .<-------  D3122W
10868                            D3122W
                                    .
                                    .
10872                     C67H............
                                    .
                                    .
10882                               .------->  S67JW
10876                     S67JS
                             V
                             V
10885                     R67Q
                                    .
                                    .
10893                CMD67............
                                    .
                                    .
10904                               .------->  D67MD
10897                DMD67
                        V
                        V
10907                RMD10
                                    .
                                    .
10918                               .<-------  STR7S
10915                     STR7S
                             V
                             V
10919                    R3621S
                                    .
                                    .
10928                            36-21
                                    .
                                    .
10941                               .                .<-------  S67JW
10938                               .             S67JW
                                    .                V
                                    .                V
10942                               .            R3621W
                                    .                .
                                    .                .
10951                    C36-21.......................
                                    .
                                    .
10958                               .------->  D3621W
10954                    D3621S
                                    .
                                    .
10961                 CMD6............
                                    .
                                    .
10968                               .------->  SMD7S
10964                 SMD7W
                        V
                        V
10971                 RMD11
                                    .
                                    .
10982                               .<-------  D75TR
10979                     D75TR
                             V
                             V
10983                     R75R
                                    .
                                    .
10994                               .<-------  D3621W
```

```
10991                                   D3621W
                                          .
                                          .
10995                                 C75H............
                                          .
                                          .
11005                                     .-------> S75KW
10999                                 S75KS
                                          V
                                          V
11008                                 R75S
                                          .
                                          .
11016                         CMD75............
                                      .
                                      .
11027                                 .-------> D75MD
11020                         DMD75
                                      V
                                      V
11030                         RMD12
                                      .
                                      .
11041                                     .<------- STR8S
11038                                 STR8S
                                          V
                                          V
11042                                 R3521S
                                          .
                                          .
11051                                     .     35-21
                                          .       .
                                          .       .
11065                                     .       .-------> D3521R
11061                                     .     RET35
                                          .       .
                                          .       .
11071                                     .       .       .<------- S75KW
11068                                     .       .     S75KW
                                          .       .       V
                                          .       .       V
11072                                     .       .     R3521W
                                          .       .       .
                                          .       .       .
11081                                 C35-21......................
                                          .
                                          .
11088                                     .-------> D3521W
11084                                 D3521S
                                          .
                                          .
11091                         CMD7............
                                      .
                                      .
11098                                 .-------> SMD8S
11094                         SMD8W
                                      V
                                      V
11101                         RMD13
                                      .
                                      .
11112                                     .<------- D83TR
11109                                 D83TR
                                          V
                                          V
11113                                 R83R
```


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```
                .          .          .
                .          .          .
11124           .          .          .<-------  D3521W
11121           .          .     D3521W
                .          .          .
                .          .          .
11125           .          .      C83I............
                .          .          .
                .          .          .
11135           .          .          .------->  S83JW
11129           .          .     S83JS
                .          .         V
                .          .         V
11138           .          .      R83S
                .          .          .
                .          .          .
11146           .     CMD83............
                .          .
                .          .
11157           .          .------->  D83MD
11150           .     DMD83
                .         V
                .         V
11160           .     RMD14
                .          .
                .          .
11171           .          .          .<-------  STR9S
11168           .          .     STR9S
                .          .         V
                .          .         V
11172           .          .    R3421S
                .          .          .
                .          .          .
11181           .          .          .     34-21
                .          .          .          .
                .          .          .          .
11194           .          .          .          .          .<-------  S83JW
11191           .          .          .          .     S83JW
                .          .          .          .         V
                .          .          .          .         V
11195           .          .          .          .    R3421W
                .          .          .          .          .
                .          .          .          .          .
11204           .          .    C34-21......................
                .          .          .
                .          .          .
11211           .          .          .------->  D3421W
11207           .          .    D3421S
                .          .          .
                .          .          .
11214           .     CMD8............
                .          .
                .          .
11221           .          .------->  SMD9S
11217           .     SMD9W
                .         V
                .         V
11224           .     RMD15
                .          .
                .          .
11235           .          .          .<-------  D91TR
11232           .          .     D91TR
                .          .         V
                .          .         V
11236           .          .      R910
                .          .          .
```

```
11247                                   .<-------  D3421W
11244                            D3421W
                                        .
                                        .
11248                     C91H............
                                        .
                                        .
11258                                   .------->   S91HW
11252                     S91HS
                             V
                             V
11261                     R91P
                                        .
                                        .
11269                CMD91............
                        .
                        .
11280                   .------->   D91MD
11273                DMD91
                        V
                        V
11283                RMD16
                        .
                        .
11294                                   .<-------  STR10S
11291                          STR10S
                                   V
                                   V
11295                          R3321S
                                        .
                                        .
11304                                   .      33-21
                                        .         .
                                        .         .
11317                                   .         .         .<-------   S91HW
11314                                   .         .      S91HW
                                        .         .         V
                                        .         .         V
11318                                   .         .     R3321W
                                        .         .         .
                                        .         .         .
11327                          C33-21.......................
                                        .
                                        .
11334                                   .------->  D3321W
11330                          D3321S
                                   V
                                   V
11337                           RES33
                                        .
                                        .
11345                  CMD9............
                        .
                        .
11352                   .------->  SMD10S
11348                SMD10W
                        V
                        V
11355                RMD16A
                        .
                        .
11366                                   .<-------   D99TR
11363                           D99TR
                                   V
                                   V
```


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```
11367                R99J
                       .
                       .
11378                  .<-------  D3321W
11375                  .     D3321W
                       .        .
                       .        .
11379                R99E............
                       .
                       .
11387                  .------->   S99EW
11383              S99ES
                       V
                       V
11390                R99K
                       .
                       .
11398          CMD99............
                       .
                       .
11406                  .------->   D99MD
11402          DMD99
                   V
                   V
11409          RMD17
                       .
                       .
11417             32-21E
                       .
                       .
11430                  .<-------   S99EW
11427                  .      S99EW
                       .        .
                       .        .
11431             C3221E............
                       V
                       V
11434             RES32E
                       .
                       .
11442                  .     32-21W
                       .        .
                       .        .
11452             C3221W............
                       .
                       .
11459                  .------->  D3221W
11455             D3221S
                       .
                       .
11462          CMD10............
                       .
                       .
11469                  .------->  SMD11S
11465          SMD11W
                   V
                   V
11472          RMD18
                       .
                       .
11483                  .<-------  D107TR
11480             D107TR
                       .
                       .
11487                  .<-------  D3221W
11484                  .     D3221W
```

```
11488                C107D............
                     .
11497                .-------> S107BW
11492            S107BS
                     V
                     V
11500             R107D
                     .
                     .
11507        CMD107............
                     .
                     .
11515                .-------> D107MD
11511        DMD107
                     V
                     V
11518         RMD19
                     .
                     .
11529                .<------- STR11S
11526            STR11S
                     V
                     V
11530            R3121S
                     .
                     .
11539                .      31-21
                     .          .
                     .          .
11552                .          .          .<------- S107BW
11549                .          .     S107BW
                     .          .          .
                     .          .          .
11553            C31-21........................
                     .
                     .
11560                .-------> D3121W
11556            D3121S
                     .
                     .
11563         CMD11............
                     .
                     .
11570                .-------> SMD12S
11566        SMD12W
                     V
                     V
11573         RMD20
                     .
                     .
11584                .<------- D115TR
11581            D115TR
                     V
                     V
11585             R115A
                     .
                     .
11596                .          .<------- D3121W
11593                .      D3121W
                     .          .
                     .          .
11597             C115A............
                     .
```

```
11605                                  -------> S115AW
11601                        S115AS
                                V
                                V
11608                         R115B

11616                   CMD115............

11624                          -------> D115MD
11620                   DMD115
                           V
                           V
11627                    RMD21

11635                        36-W21

11648                                        <------- S115AW
11645                                   S115AW
                                           V
                                           V
11649                                   R3621A

11658                        C36W21............

11665                                  -------> D36S21
11661                        D36W21

11668                    CMD12............

11675                          -------> SMD13S
11671                   SMD13W
                           V
                           V
11678                    RMD22

11689                                  <------- D36S21
11686                        D36S21

11690            NULL9.......................

11696                          <-------  D27MD
11693                    D27MD

11697                            1-12

11707                    C1-12............

11717                          -------> DA1IO
11710                    DI10A
                           V
                           V
```

```
11720          R212W
                 .
                 .
11732            .<-------   D35MD
11729          D35MD
                 .
                 .
11736            .          .<-------   SMD1S
11733            .       SMD1S
                 .          V
                 .          V
11737            .       R212S
                 .          .
                 .          .
11746            .          .        2-12
                 .          .          .
                 .          .          .
11756          C2-12.................................
                 .
                 .
11763            .------->   DBI10
11759          DI10B
                 V
                 V
11766          R312W
                 .
                 .
11778            .<-------   D43MD
11775          D43MD
                 .
                 .
11782            .          .<-------   SMD2S
11779            .       SMD2S
                 .          V
                 .          V
11783            .       R312S
                 .          .
                 .          .
11792            .          .        3-12
                 .          .          .
                 .          .          .
11802          C3-12.................................
                 .
                 .
11812            .------->   DC1IO
11805          DI10C
                 V
                 V
11815          R412W
                 .
                 .
11829            .<-------   D51MD
11826          D51MD
                 .
                 .
11833            .          .<-------   SMD4S
11830            .       SMD4S
                 .          .
                 .          .
11837            .          .          .<-------   SMD3S
11834            .          .       SMD3S
                 .          .          .
                 .          .          .
11838            .       C4-12............
                 .          V
                 .          V
```


1C/14PRINT

```
11841                                  R412S
                                          .
11850                                     .        4-12
                                          .          .
11860                 CI1051.....................................
                                          .
11867                 .-------> DDI10
11863                 DI10D
                        V
                        V
11870                 R512W
                                          .
11884                                     .<-------  D59MD
11881                           D59MD     .
                                          .
11888                                     .          .<-------  SMD5S
11885                                     .       SMD5S
                                          .          V
                                          .          V
11889                                     .       R512S
                                          .          .
11898                                     .          .        5-12
                                          .          .          .
11908                 C5-12.....................................
                                          .
11915                 .-------> DEI10
11911                 DI10E
                        V
                        V
11918                 R612W
                                          .
11932                                     .<-------  D67MD
11929                           D67MD     .
                                          .
11936                                     .          .<-------  SMD6S
11933                                     .       SMD6S
                                          .          V
                                          .          V
11937                                     .       R612S
                                          .          .
11946                                     .          .        6-12
                                          .          .          .
11956                 C6-12.....................................
                                          .
11963                 .-------> DFI10
11959                 DI10F
                        V
                        V
11966                 R111W
                                          .
11980                                     .<-------  D75MD
11977                           D75MD     .
```

```
11984                                   .<-------   SMD7S
11981                           SMD7S
                                    V
                                    V
11985                           R111S
                                    .
11994                                   .       1-11
                                        .         .
12004                   C1-11.......................
                                    .
                                    .
12011                               .------->   DGI10
12007                   DI10G
                            V
                            V
12014                   R211W
                                    .
                                    .
12028                               .<-------   D83MD
12025                       D83MD
                                    .
                                    .
12032                               .<-------   SMD8S
12029                           SMD8S
                                    V
                                    V
12033                           R211S
                                    .
                                    .
12042                                   .       2-11
                                        .         .
12056                                   .         .------->  D2-11R
12052                                   .     RET211
                                        .         .
12059                   C2-11.......................
                                    .
                                    .
12066                               .------->   DHI10
12062                   DI10H
                            V
                            V
12069                   R311W
                                    .
                                    .
12083                               .<-------   D91MD
12080                       D91MD
                                    .
                                    .
12087                               .<-------   SMD9S
12084                           SMD9S
                                    V
                                    V
12088                           R311S
                                    .
                                    .
12097                                   .       3-11
                                        .         .
12107                   C3-11.......................
                                    .
```

```
12114                .-------> DII10
12110          DI10I
                   V
                   V
12117          R411W

12131                     .<-------  D99MD
12128                D99MD

12135                               .<-------  SMD10S
12132                          SMD10S
                                    V
                                    V
12136                           R411S

12145                                        4-11

12155          C4-11.....................................

12162                .-------> DJI10
12158          DI10J
                   V
                   V
12165          R511W

12179                     .<-------  D107MD
12176                D107MD

12183                               .<-------  SMD11S
12180                          SMD11S
                                    V
                                    V
12184                           R511S

12193                                        5-11

12203          C5-11.....................................

12210                .-------> DKI10
12206          DI10K
                   V
                   V
12213          R611W

12227                     .<-------  D115MD
12224                D115MD

12231                               .<-------  SMD12S
12228                          SMD12S
                                    V
                                    V
12232                           R611S
```

```
12241          :          :          :          :       6-11
               :          :          :          :          :
12251          :      C6-11..................................
               :          :
               :          :
12258          :          :-------->  DLI10
12254          :      DI10L
               :          V
               :          V
12261          :     R1W11W
               :          :
               :          :
12275          :          :          .<-------  SMD13S
12272          :          :     SMD13S
               :          :          V
               :          :          V
12276          :          :     R1W11S
               :          :          :
               :          :          :
12285          :          :          :      1-W11
               :          :          :          :
               :          :          :          :
12295          :     C1-W11.......................
               :          V
               :          V
12298          :     R1W11A
               :          :
               :          :
12309          :          :      2-W11
               :          :          :
               :          :          :
12319          :     C2-W11............
               :          :
               :          :
12322     NULL10............
```

(***) RUNOFF ALSO COMPUTED AT THIS LOCATION

```
1*****************************************
*                                       *
*   FLOOD HYDROGRAPH PACKAGE  (HEC-1)   *
*              MAY   1991               *
*            VERSION 4.0.1E             *
*                                       *
*  RUN DATE  01/26/97  TIME  18:56:16   *
*                                       *
*****************************************
```

```
****************************************
*                                      *
*   U.S. ARMY CORPS OF ENGINEERS       *
*   HYDROLOGIC ENGINEERING CENTER      *
*         609 SECOND STREET            *
*      DAVIS, CALIFORNIA 95616         *
*          (916) 551-1748              *
*                                      *
****************************************
```

MARYVALE ADMS - FCD#93-29: CH2M HILL & Wood/Patel & Associates
Model for Entire Study Area (Approximately 100 square miles)
Existing Conditions
10Yr-6Hr Event
Clark Unit Hydrograph
6-Hour Rainfall Patterns were used to determine TC & R
Green-Ampt Precipitation Losses
Model Prepared and Checked by David Dust and Jim Geisbush
MV10-6 (BASE79): SWW\132586\HEC-1
January 1997

****

HEC-1 ELEMENT NOMENCLATURE
SUB-BASIN HYDROGRAPH:

```
                    Example: "17-32N": the sub-basin is Section 17, T3N, R2E

                 SUB-BASIN DIVERSION:
                    Example: "D1732S": is the southerly component of divert in Section 17

                 SUB-BASIN ROUTE:
                    Example: "R1732S": is the southerly flow route through Sec. 17, T3N, R2E

                 SUB-BASIN RESERVOIR ROUTE OR SURGE BASIN DIVERT:
                    Example: "RES17": corresponds to a reservoir route or surge basin divert
                                      in Sub-basin 17-##

                 RETENTION BASIN DIVERT:
                    Example: "RET17": corresponds to retention basin divert in
                                      Sub-Basin 17-##

                 SUB-BASIN COMBINE:
                    Example: "C17-32": corresponds to sub-basin combine in Sec. 17, T3N, R2E

                 STREET ROUTE:
                    Example: "RPA1": first route for Peoria Avenue
                    Example" "R67C": third route for 67th Avenue

                 STREET CAPACITY DIVERSION:
                    Example: "SPA1S": first diversion from Peoria Avenue to the south

                 STREET INTERSECTION DIVERSION:
                    Example: "RPA67": flow component along Peoria Avenue from diversion at
                                      Peoria Avenue and 67th Avenue
                    Example: "R67PA": flow component along 67th Avenue from diversion at
                                      Peoria Avenue and 67th Avenue

                 STREET INTERSECTION COMBINE:
                    Example: "CPA67": hydrograph combine at the intersection of Peoria Avenue
                                      and 67th Avenue

                 STREET COMBINE:
                    Example: "CPA2": second hydrograph combine along Peoria Avenue

                 "NULL" COMBINE:
                    Example: "NULL2": dummy hydrograph combine used to free up a HEC-1
                                      computational path.  Hence, hydrograph is meaningless.

                 ******************************************************************************
                 STREET NAME CODES
                   Thunderbird Road  = TB
                   Cactus Road       = CR
                   Peoria Avenue     = PA
                   Olive Avenue      = OA
                   Northern Avenue   = NA
                   Glendale Avenue   = GA
                   Bethany Home Road = BH
                   Camelback Road    = CB
                   Indian School Road= IS
                   Thomas Road       = TR
                   McDowell Road     = MD
                 ******************************************************************************


73 IO        OUTPUT CONTROL VARIABLES
                   IPRNT          5  PRINT CONTROL
                   IPLOT          0  PLOT CONTROL
                   QSCAL          0.  HYDROGRAPH PLOT SCALE

   IT        HYDROGRAPH TIME DATA
                    NMIN          5  MINUTES IN COMPUTATION INTERVAL
```

```
                IDATE      1    0  STARTING DATE
                ITIME         0000  STARTING TIME
                   NQ          800  NUMBER OF HYDROGRAPH ORDINATES
               NDDATE      3    0  ENDING DATE
               NDTIME         1835  ENDING TIME
                ICENT           19  CENTURY MARK

          COMPUTATION INTERVAL    0.08 HOURS
               TOTAL TIME BASE   66.58 HOURS

     ENGLISH UNITS
          DRAINAGE AREA          SQUARE MILES
          PRECIPITATION DEPTH    INCHES
          LENGTH, ELEVATION      FEET
          FLOW                   CUBIC FEET PER SECOND
          STORAGE VOLUME         ACRE-FEET
          SURFACE AREA           ACRES
          TEMPERATURE            DEGREES FAHRENHEIT

 75 JD      INDEX STORM NO. 1
                STRM        1.99  PRECIPITATION DEPTH
                TRDA        0.01  TRANSPOSITION DRAINAGE AREA

 76 PI        PRECIPITATION PATTERN
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00      0.00      0.01      0.01      0.01      0.01      0.01      0.01      0.03
                0.03      0.03      0.05      0.05      0.05      0.15      0.15      0.15      0.03      0.03
                0.03      0.01      0.01      0.01      0.01      0.01      0.01      0.00      0.00      0.00
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00

 79 JD      INDEX STORM NO. 2
                STRM        1.98  PRECIPITATION DEPTH
                TRDA        0.50  TRANSPOSITION DRAINAGE AREA

  0 PI        PRECIPITATION PATTERN
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00      0.00      0.01      0.01      0.01      0.01      0.01      0.01      0.03
                0.03      0.03      0.05      0.05      0.05      0.15      0.15      0.15      0.03      0.03
                0.03      0.01      0.01      0.01      0.01      0.01      0.01      0.00      0.00      0.00
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00

 80 JD      INDEX STORM NO. 3
                STRM        1.97  PRECIPITATION DEPTH
                TRDA        0.90  TRANSPOSITION DRAINAGE AREA

 81 PI        PRECIPITATION PATTERN
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00      0.00      0.01      0.01      0.01      0.01      0.01      0.01      0.03
                0.03      0.03      0.06      0.06      0.06      0.13      0.13      0.13      0.03      0.03
                0.03      0.01      0.01      0.01      0.01      0.01      0.01      0.00      0.00      0.00
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00

 84 JD      INDEX STORM NO. 4
                STRM        1.96  PRECIPITATION DEPTH
                TRDA        1.00  TRANSPOSITION DRAINAGE AREA

 85 PI        PRECIPITATION PATTERN
```


K/71-4PRINT

```
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00      0.00      0.01      0.01      0.01      0.01      0.01      0.01      0.03
                0.03      0.03      0.06      0.06      0.06      0.12      0.12      0.12      0.03      0.03
                0.03      0.01      0.01      0.01      0.01      0.01      0.01      0.00      0.00      0.00
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00

88 JD         INDEX STORM NO. 5
                STRM        1.95  PRECIPITATION DEPTH
                TRDA        2.80  TRANSPOSITION DRAINAGE AREA

89 PI           PRECIPITATION PATTERN
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00      0.00      0.01      0.01      0.01      0.01      0.01      0.01      0.03
                0.03      0.03      0.07      0.07      0.07      0.08      0.08      0.08      0.05      0.05
                0.05      0.02      0.02      0.02      0.01      0.01      0.01      0.00      0.00      0.00
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00

92 JD         INDEX STORM NO. 6
                STRM        1.83  PRECIPITATION DEPTH
                TRDA       16.00  TRANSPOSITION DRAINAGE AREA

93 PI           PRECIPITATION PATTERN
                0.01      0.01      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.01
                0.01      0.01      0.00      0.01      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00      0.01      0.00      0.00      0.00      0.00      0.01      0.01      0.01
                0.01      0.01      0.01      0.01      0.01      0.01      0.02      0.02      0.02      0.03
                0.03      0.03      0.06      0.06      0.06      0.07      0.07      0.07      0.04      0.04
                0.04      0.02      0.02      0.02      0.01      0.01      0.01      0.01      0.01      0.01
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00

96 JD         INDEX STORM NO. 7
                STRM        1.61  PRECIPITATION DEPTH
                TRDA       90.00  TRANSPOSITION DRAINAGE AREA

97 PI           PRECIPITATION PATTERN
                0.01      0.01      0.01      0.00      0.00      0.00      0.01      0.01      0.01      0.01
                0.01      0.01      0.01      0.01      0.01      0.01      0.01      0.01      0.01      0.01
                0.01      0.01      0.01      0.01      0.01      0.01      0.01      0.01      0.01      0.01
                0.01      0.01      0.01      0.01      0.01      0.01      0.02      0.02      0.02      0.03
                0.03      0.03      0.05      0.05      0.05      0.05      0.05      0.05      0.04      0.04
                0.04      0.02      0.02      0.02      0.02      0.02      0.02      0.01      0.01      0.01
                0.01      0.01      0.01      0.01      0.01      0.01      0.01      0.01      0.01      0.01
                0.01      0.01

100 JD        INDEX STORM NO. 8
                STRM        1.13  PRECIPITATION DEPTH
                TRDA      500.00  TRANSPOSITION DRAINAGE AREA

101 PI          PRECIPITATION PATTERN
                0.01      0.01      0.01      0.01      0.01      0.01      0.01      0.01      0.01      0.01
                0.01      0.01      0.01      0.01      0.01      0.01      0.01      0.01      0.01      0.01
                0.01      0.01      0.01      0.01      0.01      0.01      0.01      0.01      0.01      0.01
                0.01      0.01      0.01      0.01      0.01      0.01      0.02      0.02      0.02      0.03
                0.03      0.03      0.04      0.04      0.04      0.04      0.04      0.04      0.04      0.04
                0.04      0.03      0.03      0.03      0.02      0.02      0.02      0.01      0.01      0.01
                0.01      0.01      0.01      0.01      0.01      0.01      0.01      0.01      0.01      0.01
                0.01      0.01

WARNING --- ROUTED OUTFLOW (    282.) IS GREATER THAN MAXIMUM OUTFLOW (    245.) IN STORAGE-OUTFLOW TABLE
```

```
WARNING --- ROUTED OUTFLOW (    367.) IS GREATER THAN MAXIMUM OUTFLOW (    245.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (    407.) IS GREATER THAN MAXIMUM OUTFLOW (    245.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (    424.) IS GREATER THAN MAXIMUM OUTFLOW (    245.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (    434.) IS GREATER THAN MAXIMUM OUTFLOW (    245.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (    437.) IS GREATER THAN MAXIMUM OUTFLOW (    245.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (    436.) IS GREATER THAN MAXIMUM OUTFLOW (    245.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (    431.) IS GREATER THAN MAXIMUM OUTFLOW (    245.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (    423.) IS GREATER THAN MAXIMUM OUTFLOW (    245.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (    414.) IS GREATER THAN MAXIMUM OUTFLOW (    245.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (    403.) IS GREATER THAN MAXIMUM OUTFLOW (    245.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (    391.) IS GREATER THAN MAXIMUM OUTFLOW (    245.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (    378.) IS GREATER THAN MAXIMUM OUTFLOW (    245.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (    366.) IS GREATER THAN MAXIMUM OUTFLOW (    245.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (    353.) IS GREATER THAN MAXIMUM OUTFLOW (    245.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (    340.) IS GREATER THAN MAXIMUM OUTFLOW (    245.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (    327.) IS GREATER THAN MAXIMUM OUTFLOW (    245.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (    314.) IS GREATER THAN MAXIMUM OUTFLOW (    245.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (    303.) IS GREATER THAN MAXIMUM OUTFLOW (    245.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (    293.) IS GREATER THAN MAXIMUM OUTFLOW (    245.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (    283.) IS GREATER THAN MAXIMUM OUTFLOW (    245.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (    272.) IS GREATER THAN MAXIMUM OUTFLOW (    245.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (    260.) IS GREATER THAN MAXIMUM OUTFLOW (    245.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (    248.) IS GREATER THAN MAXIMUM OUTFLOW (    245.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (    340.) IS GREATER THAN MAXIMUM OUTFLOW (    245.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (    394.) IS GREATER THAN MAXIMUM OUTFLOW (    245.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (    419.) IS GREATER THAN MAXIMUM OUTFLOW (    245.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (    430.) IS GREATER THAN MAXIMUM OUTFLOW (    245.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (    436.) IS GREATER THAN MAXIMUM OUTFLOW (    245.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (    436.) IS GREATER THAN MAXIMUM OUTFLOW (    245.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (    433.) IS GREATER THAN MAXIMUM OUTFLOW (    245.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (    426.) IS GREATER THAN MAXIMUM OUTFLOW (    245.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (    417.) IS GREATER THAN MAXIMUM OUTFLOW (    245.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (    407.) IS GREATER THAN MAXIMUM OUTFLOW (    245.) IN STORAGE-OUTFLOW TABLE
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WARNING EXCESS AT PONDING LESS THAN ZERO FOR PERIOD. EXCESS SET TO ZERO

1

RUNOFF SUMMARY
FLOW IN CUBIC FEET PER SECOND
TIME IN HOURS, AREA IN SQUARE MILES

	OPERATION	STATION	PEAK FLOW	TIME OF PEAK	AVERAGE FLOW FOR MAXIMUM PERIOD 6-HOUR	24-HOUR	72-HOUR	BASIN AREA	MAXIMUM STAGE	TIME OF MAX STAGE
+	HYDROGRAPH AT	7-32	178.	4.42	35.	9.	3.	0.25		
+	DIVERSION TO	D7-32	47.	4.25	3.	1.	0.	0.25		
+	HYDROGRAPH AT	RET7	178.	4.42	33.	8.	3.	0.25		
+	DIVERSION TO	D67TB	94.	4.42	17.	4.	2.	0.25		
+	HYDROGRAPH AT	DTB67	84.	4.42	15.	4.	1.	0.25		
+	ROUTED TO	RTB1	75.	4.75	15.	4.	1.	0.25		
+	HYDROGRAPH AT	12-31	458.	4.58	108.	27.	10.	1.02		
+	DIVERSION TO	D1231W	293.	4.58	69.	17.	6.	1.02		
+	HYDROGRAPH AT	D1231S	165.	4.58	39.	10.	4.	1.02		
+	2 COMBINED AT	CTB1	224.	4.67	53.	13.	5.	1.27		
+	DIVERSION TO	STB1S	91.	4.67	16.	4.	1.	1.27		
+	HYDROGRAPH AT	STB1W	132.	4.67	36.	9.	3.	1.27		
+	ROUTED TO	RTB2	129.	4.92	36.	9.	3.	1.27		
+	HYDROGRAPH AT	D1231W	293.	4.58	69.	17.	6.	1.02		
+	DIVERSION TO	S75AW	151.	4.58	29.	7.	3.	1.02		
+	HYDROGRAPH AT	S75AS	142.	4.58	41.	10.	4.	1.02		
+	ROUTED TO	R75A	139.	4.75	41.	10.	4.	1.02		
+	2 COMBINED AT	CTB75	263.	4.83	76.	19.	7.	1.27		
+	DIVERSION TO	D75TB	121.	4.83	35.	9.	3.	1.27		

+	HYDROGRAPH AT	DTB75	142.	4.83	41.	10.	4.	1.27
+	ROUTED TO	RTB3	139.	5.00	41.	10.	4.	1.27
+	HYDROGRAPH AT	2-31	57.	4.75	19.	5.	2.	0.29
+	DIVERSION TO	D231W	44.	4.75	15.	4.	1.	0.29
+	HYDROGRAPH AT	D231S	13.	4.75	4.	1.	0.	0.29
+	ROUTED TO	R1131S	11.	5.92	4.	1.	0.	0.29
+	HYDROGRAPH AT	11-31	319.	4.67	84.	21.	8.	1.00
+	HYDROGRAPH AT	S75AW	151.	4.58	29.	7.	3.	1.02
+	ROUTED TO	R1131W	124.	5.25	29.	7.	3.	1.02
+	3 COMBINED AT	C11-31	318.	5.08	103.	26.	9.	2.55
+	DIVERSION TO	D1131W	219.	5.08	71.	18.	6.	2.55
+	HYDROGRAPH AT	D1131S	94.	5.08	30.	8.	3.	2.55
+	2 COMBINED AT	CTB2	223.	5.08	70.	18.	6.	2.55
+	DIVERSION TO	STB2S	67.	5.08	16.	4.	1.	2.55
+	HYDROGRAPH AT	STB2W	156.	5.08	54.	14.	5.	2.55
+	ROUTED TO	RTB4	153.	5.25	54.	14.	5.	2.55
+	HYDROGRAPH AT	D1131W	219.	5.08	71.	18.	6.	2.55
+	ROUTED TO	R83A	219.	5.17	71.	18.	6.	2.55
+	2 COMBINED AT	CTB83	372.	5.17	125.	32.	11.	2.55
+	DIVERSION TO	D83TB	186.	5.17	63.	16.	6.	2.55
+	HYDROGRAPH AT	DTB83	186.	5.17	63.	16.	6.	2.55
+	HYDROGRAPH AT	10-31	34.	4.75	13.	3.	1.	0.11

+	2 COMBINED AT	CADOT1	210.	5.17	73.	19.	7.	2.67
+	DIVERSION TO	ADOT1S	210.	5.17	73.	19.	7.	2.67
+	HYDROGRAPH AT	ADOT1W	0.	0.08	0.	0.	0.	2.67
+	HYDROGRAPH AT	17-32	107.	4.75	35.	9.	3.	0.28
+	DIVERSION TO	D1732	37.	4.75	10.	2.	1.	0.28
+	HYDROGRAPH AT	RET17	70.	4.75	25.	7.	2.	0.28
+	DIVERSION TO	D59CR	37.	4.75	13.	3.	1.	0.28
+	HYDROGRAPH AT	DCR59	33.	4.75	12.	3.	1.	0.28
+	ROUTED TO	RCR1	30.	5.17	12.	3.	1.	0.28
+	HYDROGRAPH AT	18-32	398.	4.67	107.	27.	10.	0.91
+	DIVERSION TO	D1832W	191.	4.67	51.	13.	5.	0.91
+	HYDROGRAPH AT	D1832S	207.	4.67	56.	14.	5.	0.91
+	2 COMBINED AT	CCR1	215.	4.75	64.	16.	6.	1.44
+	DIVERSION TO	SCR1S	85.	4.75	19.	5.	2.	1.44
+	HYDROGRAPH AT	SCR1W	130.	4.75	45.	12.	4.	1.44
+	ROUTED TO	RCR2	128.	4.92	45.	12.	4.	1.44
+	HYDROGRAPH AT	D67TB	94.	4.42	17.	4.	2.	0.25
+	ROUTED TO	R67A	86.	4.67	17.	4.	2.	0.25
+	HYDROGRAPH AT	D1832W	191.	4.67	51.	13.	5.	0.91
+	2 COMBINED AT	C67A	255.	4.75	66.	17.	6.	1.44
+	DIVERSION TO	S67AW	144.	4.75	29.	7.	3.	1.44
+	HYDROGRAPH AT	S67AS	110.	4.75	37.	10.	3.	1.44

+	ROUTED TO	R67B	108.	4.92	37.	10.	3.	1.44
+	2 COMBINED AT	CCR67	235.	4.92	83.	21.	8.	1.44
+	DIVERSION TO	D67CR	12.	4.92	1.	0.	0.	1.44
+	HYDROGRAPH AT	DCR67	223.	4.92	82.	21.	8.	1.44
+	ROUTED TO	RCR3	222.	5.08	82.	21.	8.	1.44
+	HYDROGRAPH AT	STB1S	91.	4.67	16.	4.	1.	1.27
+	ROUTED TO	R1331S	71.	5.42	16.	4.	1.	1.27
+	HYDROGRAPH AT	13-31	464.	4.67	127.	32.	12.	1.00
+	HYDROGRAPH AT	S67AW	144.	4.75	29.	7.	3.	1.44
+	ROUTED TO	R1331W	112.	5.58	29.	7.	3.	1.44
+	3 COMBINED AT	C13-31	478.	5.08	162.	41.	15.	3.46
+	DIVERSION TO	D1331W	239.	5.08	81.	20.	7.	3.46
+	HYDROGRAPH AT	D1331S	239.	5.08	81.	20.	7.	3.46
+	2 COMBINED AT	CCR2	448.	5.08	160.	41.	15.	3.46
+	DIVERSION TO	SCR2S	27.	5.08	2.	1.	0.	3.46
+	HYDROGRAPH AT	SCR2W	421.	5.08	157.	40.	15.	3.46
+	ROUTED TO	RCR4	420.	5.25	157.	40.	15.	3.46
+	HYDROGRAPH AT	D75TB	121.	4.83	35.	9.	3.	1.27
+	ROUTED TO	R75B	117.	5.08	35.	9.	3.	1.27
+	HYDROGRAPH AT	D1331W	239.	5.08	81.	20.	7.	3.46
+	2 COMBINED AT	C75A	343.	5.08	114.	29.	10.	3.46
+	DIVERSION TO	S75BW	108.	5.08	30.	8.	3.	3.46

+	HYDROGRAPH AT	S75BS	235.	5.08	84.	21.	8.	3.46
+	ROUTED TO	R75C	233.	5.25	83.	21.	8.	3.46
+	2 COMBINED AT	CCR75	653.	5.25	241.	62.	22.	3.46
+	DIVERSION TO	D75CR	89.	5.25	13.	3.	1.	3.46
+	HYDROGRAPH AT	DCR75	564.	5.25	228.	59.	21.	3.46
+	ROUTED TO	RCR5	564.	5.33	228.	59.	21.	3.46
+	HYDROGRAPH AT	STB2S	67.	5.08	16.	4.	1.	2.55
+	ROUTED TO	R1431S	56.	5.92	16.	4.	1.	2.55
+	HYDROGRAPH AT	14-31	470.	4.67	129.	33.	12.	1.01
+	DIVERSION TO	D14-31	42.	4.67	10.	2.	1.	1.01
+	HYDROGRAPH AT	RET14	428.	4.67	119.	30.	11.	1.01
+	HYDROGRAPH AT	S75BW	108.	5.08	30.	8.	3.	3.46
+	ROUTED TO	R1431W	104.	5.58	30.	8.	3.	3.46
+	3 COMBINED AT	C14-31	427.	5.17	160.	41.	15.	5.76
+	DIVERSION TO	D1431W	185.	5.25	71.	18.	7.	5.76
+	HYDROGRAPH AT	D1431S	201.	5.25	77.	20.	7.	5.76
+	2 COMBINED AT	CCR3	747.	5.25	297.	76.	28.	5.76
+	DIVERSION TO	SCR3S	0.	5.17	0.	0.	0.	5.76
+	HYDROGRAPH AT	SCR3W	747.	5.25	297.	76.	28.	5.76
+	ROUTED TO	RCR6	746.	5.33	297.	76.	28.	5.76
+	HYDROGRAPH AT	D83TB	186.	5.17	63.	16.	6.	2.55
+	ROUTED TO	R83B	184.	5.42	63.	16.	6.	2.55

+	HYDROGRAPH AT	D1431W	185.	5.25	71.	18.	7.	5.76
+	2 COMBINED AT	C83A	342.	5.33	126.	32.	12.	5.76
+	DIVERSION TO	S83AW	191.	5.33	60.	15.	5.	5.76
+	HYDROGRAPH AT	S83AS	150.	5.33	66.	17.	6.	5.76
+	ROUTED TO	R83C	149.	5.42	66.	17.	6.	5.76
+	2 COMBINED AT	CCR83	895.	5.42	363.	94.	34.	5.76
+	DIVERSION TO	D83CR	41.	5.33	5.	1.	0.	5.76
+	HYDROGRAPH AT	DCR83	854.	5.42	358.	93.	33.	5.76
+	ROUTED TO	RCR7	854.	5.50	358.	93.	33.	5.76
+	HYDROGRAPH AT	15-31	293.	4.67	83.	21.	8.	0.84
+	HYDROGRAPH AT	S83AW	191.	5.33	60.	15.	5.	5.76
+	ROUTED TO	R1531W	186.	5.67	60.	15.	5.	5.76
+	2 COMBINED AT	C15-31	314.	5.58	124.	31.	11.	6.71
+	DIVERSION TO	D1531W	72.	5.58	29.	7.	3.	6.71
+	HYDROGRAPH AT	D1531S	242.	5.58	96.	24.	9.	6.71
+	2 COMBINED AT	CCR4	1088.	5.50	450.	116.	42.	6.71
+	DIVERSION TO	SCR4S	26.	5.42	3.	1.	0.	6.71
+	HYDROGRAPH AT	SCR4W	1064.	5.58	447.	115.	42.	6.71
+	ROUTED TO	RCR8	1063.	5.58	447.	115.	42.	6.71
+	HYDROGRAPH AT	22-31E	217.	4.75	67.	17.	6.	0.51
+	DIVERSION TO	D2231S	139.	4.75	43.	11.	4.	0.51
+	HYDROGRAPH AT	D2231E	78.	4.75	24.	6.	2.	0.51

+	HYDROGRAPH AT	SCR4S	26.	5.42	3.	1.	0.	6.71
+	2 COMBINED AT	C2231N	80.	5.33	24.	6.	2.	7.20
+	ROUTED TO	R2231E	73.	5.67	23.	6.	2.	7.20
+	2 COMBINED AT	CADOT3	1090.	5.67	448.	116.	42.	11.60
+	ROUTED TO	R2231N	1086.	5.75	447.	116.	42.	11.60
+	HYDROGRAPH AT	ADOT1S	210.	5.17	73.	19.	7.	2.67
+	ROUTED TO	RADOT1	201.	5.42	73.	19.	7.	2.67
+	HYDROGRAPH AT	D1531W	72.	5.58	29.	7.	3.	6.71
+	2 COMBINED AT	CADOT2	243.	5.50	93.	24.	9.	6.82
+	3 COMBINED AT	NULL1	1595.	5.58	643.	165.	60.	1.00
+	HYDROGRAPH AT	21-32	239.	4.50	59.	15.	5.	0.40
+	DIVERSION TO	D2132W	72.	4.50	18.	5.	2.	0.40
+	HYDROGRAPH AT	D2132S	167.	4.50	42.	11.	4.	0.40
+	DIVERSION TO	SPA1S	77.	4.50	13.	3.	1.	0.40
+	HYDROGRAPH AT	SPA1W	90.	4.50	29.	7.	3.	0.40
+	ROUTED TO	RPA1	87.	4.75	29.	7.	3.	0.40
+	HYDROGRAPH AT	D2132W	72.	4.50	18.	5.	2.	0.40
+	DIVERSION TO	S51AW	27.	4.50	3.	1.	0.	0.40
+	HYDROGRAPH AT	S51AS	45.	4.50	15.	4.	1.	0.40
+	ROUTED TO	R51A	44.	4.92	15.	4.	1.	0.40
+	2 COMBINED AT	CPA51	131.	4.83	43.	11.	4.	0.40
+	DIVERSION TO	D51PA	74.	4.83	24.	6.	2.	0.40

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+	HYDROGRAPH AT	DPA51	58.	4.83	19.	5.	2.	0.40
+	ROUTED TO	RPA2	56.	5.08	19.	5.	2.	0.40
+	HYDROGRAPH AT	20-32	480.	4.67	136.	35.	12.	0.99
+	DIVERSION TO	D2032R	77.	4.67	18.	5.	2.	0.99
+	HYDROGRAPH AT	RET20	403.	4.67	118.	30.	11.	0.99
+	HYDROGRAPH AT	S51AW	27.	4.50	3.	1.	0.	0.40
+	ROUTED TO	R2032W	17.	5.42	3.	1.	0.	0.40
+	2 COMBINED AT	C20-32	403.	4.67	120.	31.	11.	1.40
+	DIVERSION TO	D2032W	109.	4.75	33.	8.	3.	1.40
+	HYDROGRAPH AT	D2032S	281.	4.75	86.	22.	8.	1.40
+	2 COMBINED AT	CPA1	324.	4.83	104.	27.	10.	1.40
+	DIVERSION TO	SPA2S	153.	4.83	41.	10.	4.	1.40
+	HYDROGRAPH AT	SPA2W	171.	4.83	64.	16.	6.	1.40
+	ROUTED TO	RPA3	169.	5.00	63.	16.	6.	1.40
+	HYDROGRAPH AT	D59CR	37.	4.75	13.	3.	1.	0.28
+	ROUTED TO	R59A	35.	5.08	13.	3.	1.	0.28
+	HYDROGRAPH AT	D2032W	109.	4.75	33.	8.	3.	1.40
+	2 COMBINED AT	C59A	132.	4.83	45.	11.	4.	1.67
+	DIVERSION TO	S59AW	56.	4.83	12.	3.	1.	1.67
+	HYDROGRAPH AT	S59AS	76.	4.83	33.	9.	3.	1.67
+	ROUTED TO	R59B	75.	5.08	33.	9.	3.	1.67
+	2 COMBINED AT	CPA59	242.	5.00	96.	25.	9.	1.67

+	DIVERSION TO	D59PA	133.	5.00	53.	14.	5.	1.67
+	HYDROGRAPH AT	DPA59	109.	5.00	43.	11.	4.	1.67
+	ROUTED TO	RPA4	108.	5.17	43.	11.	4.	1.67
+	HYDROGRAPH AT	SCR1S	85.	4.75	19.	5.	2.	1.44
+	ROUTED TO	R1932S	73.	5.42	19.	5.	2.	1.44
+	HYDROGRAPH AT	19-32	415.	4.67	118.	30.	11.	0.96
+	DIVERSION TO	D1932R	41.	4.67	12.	3.	1.	0.96
+	HYDROGRAPH AT	RET19	373.	4.67	106.	27.	10.	0.96
+	HYDROGRAPH AT	S59AW	56.	4.83	12.	3.	1.	1.67
+	ROUTED TO	R1932W	47.	5.75	12.	3.	1.	1.67
+	3 COMBINED AT	C19-32	373.	5.00	133.	34.	12.	3.54
+	DIVERSION TO	D1932W	146.	5.00	52.	13.	5.	3.54
+	HYDROGRAPH AT	D1932S	202.	5.00	72.	18.	7.	3.54
+	2 COMBINED AT	CPA2	301.	5.17	114.	29.	11.	3.54
+	DIVERSION TO	SPA3S	172.	5.17	55.	14.	5.	3.54
+	HYDROGRAPH AT	SPA3W	129.	5.17	59.	16.	6.	3.54
+	ROUTED TO	RPA5	129.	5.33	59.	16.	6.	3.54
+	HYDROGRAPH AT	D67CR	12.	4.92	1.	0.	0.	1.44
+	ROUTED TO	R67C	7.	5.25	1.	0.	0.	1.44
+	HYDROGRAPH AT	D1932W	146.	5.00	52.	13.	5.	3.54
+	2 COMBINED AT	C67B	145.	5.00	52.	13.	5.	3.79
+	DIVERSION TO	S67BW	83.	5.00	23.	6.	2.	3.79

+	HYDROGRAPH AT	S67BS	62.	5.00	29.	8.	3.	3.79
+	ROUTED TO	R67D	62.	5.33	29.	8.	3.	3.79
+	2 COMBINED AT	CPA67	190.	5.33	87.	23.	8.	3.79
+	DIVERSION TO	D67PA	57.	5.33	26.	7.	2.	3.79
+	HYDROGRAPH AT	DPA67	133.	5.33	61.	16.	6.	3.79
+	ROUTED TO	RPA6	132.	5.42	61.	16.	6.	3.79
+	HYDROGRAPH AT	SCR2S	27.	5.08	2.	1.	0.	3.46
+	ROUTED TO	R2431S	14.	5.83	2.	1.	0.	3.46
+	HYDROGRAPH AT	24-31	674.	4.42	135.	34.	12.	1.01
+	DIVERSION TO	D24-31	7.	4.42	1.	0.	0.	1.01
+	HYDROGRAPH AT	RET24	667.	4.42	134.	34.	12.	1.01
+	HYDROGRAPH AT	S67BW	83.	5.00	23.	6.	2.	3.79
+	ROUTED TO	R2431W	75.	6.00	23.	6.	2.	3.79
+	3 COMBINED AT	C24-31	667.	4.50	177.	45.	16.	5.80
+	DIVERSION TO	D2431W	241.	4.50	67.	17.	6.	5.80
+	HYDROGRAPH AT	D2431S	272.	4.50	75.	19.	7.	5.80
+	2 COMBINED AT	CPA3	335.	4.67	133.	35.	13.	5.80
+	DIVERSION TO	SPA4S	152.	4.67	50.	12.	5.	5.80
+	HYDROGRAPH AT	SPA4W	182.	4.67	83.	22.	8.	5.80
+	ROUTED TO	RPA7	180.	4.83	83.	22.	8.	5.80
+	HYDROGRAPH AT	D75CR	89.	5.25	13.	3.	1.	3.46
+	ROUTED TO	R75D	84.	5.50	13.	3.	1.	3.46

+	HYDROGRAPH AT	D2431W	241.	4.50	67.	17.	6.	5.80
+	2 COMBINED AT	C75B	241.	4.50	76.	19.	7.	5.80
+	DIVERSION TO	S75CW	96.	4.50	25.	6.	2.	5.80
+	HYDROGRAPH AT	S75CS	145.	4.50	52.	13.	5.	5.80
+	ROUTED TO	R75E	144.	4.67	52.	13.	5.	5.80
+	2 COMBINED AT	CPA75	322.	4.75	133.	36.	13.	5.80
+	DIVERSION TO	D75PA	190.	4.75	86.	24.	9.	5.80
+	HYDROGRAPH AT	DPA75	132.	4.75	47.	12.	4.	5.80
+	ROUTED TO	RPA8	129.	4.92	47.	12.	4.	5.80
+	HYDROGRAPH AT	SCR3S	0.	5.17	0.	0.	0.	5.76
+	ROUTED TO	R23-31	0.	6.00	0.	0.	0.	5.76
+	HYDROGRAPH AT	23-31	552.	4.58	147.	37.	13.	1.01
+	DIVERSION TO	D2331R	66.	4.58	7.	2.	1.	1.01
+	HYDROGRAPH AT	RET23	522.	4.83	140.	35.	13.	1.01
+	HYDROGRAPH AT	S75CW	96.	4.50	25.	6.	2.	5.80
+	ROUTED TO	R2331W	76.	5.25	25.	6.	2.	5.80
+	3 COMBINED AT	C23-31	516.	4.92	160.	40.	15.	8.10
+	DIVERSION TO	D2331W	226.	5.00	71.	18.	7.	8.10
+	HYDROGRAPH AT	D2331S	244.	5.00	77.	20.	7.	8.10
+	2 COMBINED AT	CPA4	368.	4.92	122.	31.	11.	8.10
+	DIVERSION TO	SPA5S	130.	4.92	37.	9.	3.	8.10
+	HYDROGRAPH AT	SPA5W	238.	4.92	84.	22.	8.	8.10

+	ROUTED TO	RPA9	236.	5.08	84.	22.	8.	8.10
+	HYDROGRAPH AT	D83CR	41.	5.33	5.	1.	0.	5.76
+	ROUTED TO	R83D	32.	6.00	5.	1.	0.	5.76
+	HYDROGRAPH AT	D2331W	226.	5.00	71.	18.	7.	8.10
+	2 COMBINED AT	C83B	226.	5.00	74.	19.	7.	8.10
+	DIVERSION TO	S83BW	89.	5.00	23.	6.	2.	8.10
+	HYDROGRAPH AT	S83BS	137.	5.00	51.	13.	5.	8.10
+	2 COMBINED AT	CPA83	369.	5.08	135.	35.	12.	8.10
+	DIVERSION TO	D83PA	273.	5.08	69.	17.	6.	8.10
+	HYDROGRAPH AT	DPA83	96.	4.83	66.	17.	6.	8.10
+	HYDROGRAPH AT	D2231S	139.	4.75	43.	11.	4.	0.51
+	HYDROGRAPH AT	S83BW	89.	5.00	23.	6.	2.	8.10
+	2 COMBINED AT	C2231E	184.	5.00	57.	14.	5.	11.58
+	ROUTED TO	RES22	183.	5.00	47.	12.	4.	11.58
+	ROUTED TO	R2231W	181.	5.17	47.	12.	4.	11.58
+	HYDROGRAPH AT	22-31W	537.	4.42	110.	28.	10.	0.76
+	DIVERSION TO	D2231C	182.	4.42	37.	9.	3.	0.76
+	HYDROGRAPH AT	D2231B	354.	4.42	72.	18.	7.	0.76
+	3 COMBINED AT	C2231W	439.	5.00	170.	45.	16.	12.35
+	DIVERSION TO	SPA6S	157.	5.00	65.	16.	6.	12.35
+	HYDROGRAPH AT	SPA6W	282.	5.00	105.	28.	10.	12.35
+	ROUTED TO	RPA10	276.	5.17	105.	28.	10.	12.35

+ DIVERSION TO	D91PA	80.	5.17	12.	3.	1.	12.35
+ HYDROGRAPH AT	DPA91	196.	5.17	92.	25.	9.	12.35
+ HYDROGRAPH AT	D2231C	182.	4.42	37.	9.	3.	0.76
+ ROUTED TO	R2231S	169.	4.75	37.	9.	3.	0.76
+ 2 COMBINED AT	CPA91	300.	5.08	123.	33.	12.	12.35
+ 2 COMBINED AT	NULL2	1870.	5.50	778.	202.	73.	1.00
+ HYDROGRAPH AT	26-32W	44.	4.42	10.	3.	1.	0.09
+ DIVERSION TO	D35OA	44.	4.42	10.	3.	1.	0.09
+ HYDROGRAPH AT	DOA35	0.	0.08	0.	0.	0.	0.09
+ ROUTED TO	ROA1	0.	0.08	0.	0.	0.	0.09
+ HYDROGRAPH AT	27-32	425.	4.42	73.	18.	7.	0.61
+ DIVERSION TO	D2732W	200.	4.42	34.	9.	3.	0.61
+ HYDROGRAPH AT	D2732S	225.	4.42	39.	10.	4.	0.61
+ 2 COMBINED AT	COA1	218.	4.42	38.	10.	3.	0.70
+ DIVERSION TO	SOA1S	111.	4.42	15.	4.	1.	0.70
+ HYDROGRAPH AT	SOA1W	107.	4.42	23.	6.	2.	0.70
+ ROUTED TO	ROA2	99.	4.58	23.	6.	2.	0.70
+ HYDROGRAPH AT	D2732W	200.	4.42	34.	9.	3.	0.61
+ DIVERSION TO	S43AW	112.	4.42	14.	4.	1.	0.61
+ HYDROGRAPH AT	S43AS	87.	4.42	20.	5.	2.	0.61
+ ROUTED TO	R43A	81.	4.67	20.	5.	2.	0.61
+ 2 COMBINED AT	COA43	177.	4.67	43.	11.	4.	0.70

+	DIVERSION TO	D430A	123.	4.67	37.	9.	3.	0.70
+	HYDROGRAPH AT	DOA43	54.	4.67	6.	1.	1.	0.70
+	ROUTED TO	ROA3	43.	4.92	6.	1.	1.	0.70
+	HYDROGRAPH AT	SPA1S	77.	4.50	13.	3.	1.	0.40
+	ROUTED TO	R2832S	58.	5.50	13.	3.	1.	0.40
+	HYDROGRAPH AT	28-32	468.	4.67	131.	33.	12.	1.00
+	DIVERSION TO	D28-32	19.	4.67	5.	1.	0.	1.00
+	HYDROGRAPH AT	RET28	449.	4.67	125.	32.	12.	1.00
+	HYDROGRAPH AT	S43AW	112.	4.42	14.	4.	1.	0.61
+	ROUTED TO	R2832W	72.	5.33	14.	4.	1.	0.61
+	3 COMBINED AT	C28-32	455.	4.83	144.	37.	13.	2.09
+	DIVERSION TO	D2832W	155.	4.83	49.	12.	4.	2.09
+	HYDROGRAPH AT	D2832S	300.	4.83	95.	24.	9.	2.09
+	2 COMBINED AT	COA2	328.	4.92	99.	25.	9.	2.09
+	DIVERSION TO	SOA2S	143.	4.92	37.	9.	3.	2.09
+	HYDROGRAPH AT	SOA2W	185.	4.92	62.	16.	6.	2.09
+	ROUTED TO	RA04	183.	5.08	62.	16.	6.	2.09
+	HYDROGRAPH AT	D51PA	74.	4.83	24.	6.	2.	0.40
+	ROUTED TO	RS1B	72.	5.08	24.	6.	2.	0.40
+	HYDROGRAPH AT	D2832W	155.	4.83	49.	12.	4.	2.09
+	2 COMBINED AT	C51A	217.	5.00	72.	19.	7.	2.09
+	DIVERSION TO	S51BW	133.	5.00	35.	9.	3.	2.09

+	HYDROGRAPH AT	S51BS	84.	5.00	38.	10.	4.	2.09
+	ROUTED TO	R51C	83.	5.25	38.	10.	4.	2.09
+	2 COMBINED AT	COA51	265.	5.17	100.	26.	9.	2.09
+	DIVERSION TO	D51OA	0.	5.08	0.	0.	0.	2.09
+	HYDROGRAPH AT	DOA51	265.	5.17	100.	26.	9.	2.09
+	ROUTED TO	ROA5	264.	5.25	100.	26.	9.	2.09
+	HYDROGRAPH AT	SPA2S	153.	4.83	41.	10.	4.	1.40
+	ROUTED TO	R2932S	144.	5.33	41.	10.	4.	1.40
+	HYDROGRAPH AT	29-32	488.	4.67	136.	35.	12.	0.99
+	DIVERSION TO	D2932R	49.	4.67	10.	3.	1.	0.99
+	HYDROGRAPH AT	RET29	439.	4.67	126.	32.	12.	0.99
+	HYDROGRAPH AT	S51BW	133.	5.00	35.	9.	3.	2.09
+	ROUTED TO	R2932W	118.	5.83	35.	9.	3.	2.09
+	3 COMBINED AT	C29-32	503.	5.25	188.	48.	17.	4.07
+	DIVERSION TO	D2932W	176.	5.25	66.	17.	6.	4.07
+	HYDROGRAPH AT	D2932S	327.	5.25	122.	31.	11.	4.07
+	2 COMBINED AT	COA3	571.	5.25	218.	56.	20.	4.07
+	DIVERSION TO	SOA3S	96.	5.25	13.	3.	1.	4.07
+	HYDROGRAPH AT	SOA3W	475.	5.25	204.	53.	19.	4.07
+	ROUTED TO	ROA6	473.	5.33	204.	53.	19.	4.07
+	HYDROGRAPH AT	D59PA	133.	5.00	53.	14.	5.	1.67
+	ROUTED TO	R59C	132.	5.17	53.	14.	5.	1.67

+	HYDROGRAPH AT	D2932W	176.	5.25	66.	17.	6.	4.07
+	2 COMBINED AT	C59B	296.	5.25	116.	30.	11.	4.35
+	DIVERSION TO	S59BW	123.	5.25	42.	11.	4.	4.35
+	HYDROGRAPH AT	S59BS	173.	5.25	73.	19.	7.	4.35
+	ROUTED TO	RR59D	172.	5.42	73.	19.	7.	4.35
+	2 COMBINED AT	COA59	643.	5.42	277.	72.	26.	4.35
+	DIVERSION TO	D590A	131.	5.42	29.	7.	3.	4.35
+	HYDROGRAPH AT	DOA59	511.	5.42	247.	64.	23.	4.35
+	ROUTED TO	ROA7	510.	5.50	247.	64.	23.	4.35
+	HYDROGRAPH AT	SPA3S	172.	5.17	55.	14.	5.	3.54
+	ROUTED TO	R3032S	168.	5.58	55.	14.	5.	3.54
+	HYDROGRAPH AT	30-32	497.	4.67	131.	33.	12.	0.96
+	DIVERSION TO	D3032R	40.	4.67	10.	3.	1.	0.96
+	HYDROGRAPH AT	RET30	457.	4.67	121.	31.	11.	0.96
+	HYDROGRAPH AT	S59BW	123.	5.25	42.	11.	4.	4.35
+	ROUTED TO	R3032W	121.	5.50	42.	11.	4.	4.35
+	3 COMBINED AT	C30-32	518.	5.25	195.	50.	18.	7.18
+	DIVERSION TO	D3032W	218.	5.25	82.	21.	8.	7.18
+	HYDROGRAPH AT	D3032S	301.	5.25	113.	29.	10.	7.18
+	2 COMBINED AT	COA4	791.	5.33	355.	92.	33.	7.18
+	DIVERSION TO	SOA4S	114.	5.33	22.	5.	2.	7.18
+	HYDROGRAPH AT	SOA4W	677.	5.33	333.	87.	31.	7.18

+	ROUTED TO	ROA8	677.	5.42	333.	87.	31.	7.18
+	HYDROGRAPH AT	D67PA	57.	5.33	26.	7.	2.	3.79
+	ROUTED TO	R67E	56.	5.50	26.	7.	2.	3.79
+	HYDROGRAPH AT	D3032W	218.	5.25	82.	21.	8.	7.18
+	2 COMBINED AT	C67C	266.	5.25	106.	28.	10.	7.43
+	DIVERSION TO	S67CW	134.	5.25	45.	11.	4.	7.43
+	HYDROGRAPH AT	S67CS	133.	5.25	62.	16.	6.	7.43
+	ROUTED TO	R67F	131.	5.42	62.	16.	6.	7.43
+	2 COMBINED AT	COA67	807.	5.42	394.	103.	37.	7.43
+	DIVERSION TO	D67OA	32.	5.42	4.	1.	0.	7.43
+	HYDROGRAPH AT	DOA67	774.	5.42	390.	102.	37.	7.43
+	ROUTED TO	ROA9	774.	5.50	390.	102.	37.	7.43
+	HYDROGRAPH AT	SPA4S	152.	4.67	50.	12.	5.	5.80
+	ROUTED TO	R2531S	145.	5.17	50.	12.	5.	5.80
+	HYDROGRAPH AT	25-31	496.	4.67	137.	35.	13.	1.00
+	DIVERSION TO	D2531R	55.	4.67	15.	4.	1.	1.00
+	HYDROGRAPH AT	RET25	442.	4.67	122.	31.	11.	1.00
+	HYDROGRAPH AT	S67CW	134.	5.25	45.	11.	4.	7.43
+	ROUTED TO	R2531W	121.	5.83	45.	11.	4.	7.43
+	3 COMBINED AT	C25-31	483.	5.08	192.	49.	18.	11.46
+	DIVERSION TO	D2531W	227.	5.08	90.	23.	8.	11.46
+	HYDROGRAPH AT	D2531S	256.	5.08	102.	26.	9.	11.46

+	2 COMBINED AT	COA5	1003.	5.33	484.	126.	46.	11.46
+	DIVERSION TO	SOA5S	242.	5.33	86.	21.	8.	11.46
+	HYDROGRAPH AT	SOA5W	761.	5.33	399.	105.	38.	11.46
+	DIVERSION TO	RES25O	589.	4.83	190.	47.	17.	11.46
+	HYDROGRAPH AT	RES25	668.	6.17	228.	58.	21.	11.46
+	ROUTED TO	ROA10	671.	6.33	227.	58.	21.	11.46
+	HYDROGRAPH AT	D75PA	190.	4.75	86.	24.	9.	5.80
+	ROUTED TO	R75F	188.	4.92	86.	24.	9.	5.80
+	HYDROGRAPH AT	D2531W	227.	5.08	90.	23.	8.	11.46
+	2 COMBINED AT	C75C	398.	5.00	171.	46.	16.	11.46
+	DIVERSION TO	S75DW	219.	5.00	82.	21.	7.	11.46
+	HYDROGRAPH AT	S75DS	179.	5.00	89.	25.	9.	11.46
+	ROUTED TO	R75G	177.	5.17	89.	25.	9.	11.46
+	2 COMBINED AT	COA75	790.	6.33	310.	83.	30.	11.46
+	DIVERSION TO	D75OA	399.	6.33	58.	15.	5.	11.46
+	HYDROGRAPH AT	DOA75	392.	6.25	251.	68.	25.	11.46
+	HYDROGRAPH AT	SPA5S	130.	4.92	37.	9.	3.	8.10
+	HYDROGRAPH AT	26-31E	574.	4.17	67.	17.	6.	0.46
+	DIVERSION TO	D2631R	166.	4.17	11.	3.	1.	0.46
+	HYDROGRAPH AT	RET26	478.	4.33	56.	14.	5.	0.46
+	2 COMBINED AT	C2631E	296.	4.58	77.	20.	7.	15.22
+	DIVERSION TO	D2631N	104.	4.58	27.	7.	2.	15.22

+	HYDROGRAPH AT	D2631E	192.	4.58	50.	13.	5.	15.22
+	HYDROGRAPH AT	S75DW	219.	5.00	82.	21.	7.	11.46
+	3 COMBINED AT	C2631S	595.	5.33	373.	100.	36.	15.22
+	ROUTED TO	RES26S	520.	6.50	280.	71.	26.	15.22
+	DIVERSION TO	D26AS	520.	6.50	280.	71.	26.	15.22
+	HYDROGRAPH AT	D26AW	0.	0.08	0.	0.	0.	15.22
+	HYDROGRAPH AT	26-31W	523.	4.33	67.	17.	6.	0.54
+	DIVERSION TO	D2631N	282.	4.33	36.	9.	3.	0.54
+	HYDROGRAPH AT	D2631S	240.	4.33	31.	8.	3.	0.54
+	2 COMBINED AT	COA6	131.	4.33	25.	6.	2.	15.76
+	DIVERSION TO	SOA6S	0.	4.33	0.	0.	0.	15.76
+	HYDROGRAPH AT	SOA6W	131.	4.33	25.	6.	2.	15.76
+	DIVERSION TO	RES26O	131.	4.33	25.	6.	2.	15.76
+	HYDROGRAPH AT	RES26	0.	4.33	0.	0.	0.	15.76
+	ROUTED TO	ROA11	0.	4.75	0.	0.	0.	15.76
+	HYDROGRAPH AT	D83PA	273.	5.08	69.	17.	6.	8.10
+	HYDROGRAPH AT	D2631N	104.	4.58	27.	7.	2.	15.22
+	2 COMBINED AT	C2631N	312.	5.00	86.	22.	8.	15.22
+	ROUTED TO	RES26N	0.	7.25	0.	0.	0.	15.22
+	ROUTED TO	R2631W	0.	7.17	0.	0.	0.	15.22
+	HYDROGRAPH AT	D2631N	104.	4.58	27.	7.	2.	15.22
+	2 COMBINED AT	C2631W	103.	4.58	27.	7.	3.	15.76

+	DIVERSION TO	S83CW	26.	4.58	4.	1.	0.	15.76
+	HYDROGRAPH AT	S83CS	78.	4.58	23.	6.	2.	15.76
+	ROUTED TO	R83E	72.	4.83	23.	6.	2.	15.76
+	2 COMBINED AT	COA83	72.	4.83	23.	6.	2.	15.76
+	DIVERSION TO	D83OA	0.	4.58	0.	0.	0.	15.76
+	HYDROGRAPH AT	DOA83	72.	4.83	23.	6.	2.	15.76
+	ROUTED TO	ROA12	70.	5.08	23.	6.	2.	15.76
+	HYDROGRAPH AT	SPA6S	157.	5.00	65.	16.	6.	12.35
+	ROUTED TO	R2731S	148.	5.50	65.	16.	6.	12.35
+	HYDROGRAPH AT	27-31	453.	4.67	126.	32.	12.	1.01
+	HYDROGRAPH AT	S83CW	26.	4.58	4.	1.	0.	15.76
+	ROUTED TO	R2731W	18.	5.33	4.	1.	0.	15.76
+	3 COMBINED AT	C27-31	453.	5.00	171.	44.	16.	18.05
+	DIVERSION TO	D2731W	154.	5.00	58.	15.	5.	18.05
+	HYDROGRAPH AT	D2731S	286.	5.00	108.	28.	10.	18.05
+	2 COMBINED AT	COA7	354.	5.00	131.	34.	12.	18.05
+	DIVERSION TO	SOA7S	0.	4.92	0.	0.	0.	18.05
+	HYDROGRAPH AT	SOA7W	354.	5.00	131.	34.	12.	18.05
+	ROUTED TO	ROA13	352.	5.08	131.	34.	12.	18.05
+	HYDROGRAPH AT	D91PA	80.	5.17	12.	3.	1.	12.35
+	ROUTED TO	R91A	72.	5.42	12.	3.	1.	12.35
+	HYDROGRAPH AT	D2731W	154.	5.00	58.	15.	5.	18.05

+	2 COMBINED AT	C91A	202.	5.33	69.	18.	6.	18.05
+	DIVERSION TO	S91AW	44.	5.33	12.	3.	1.	18.05
+	HYDROGRAPH AT	S91AS	158.	5.33	57.	15.	5.	18.05
+	ROUTED TO	R91B	156.	5.50	57.	15.	5.	18.05
+	2 COMBINED AT	COA91	490.	5.33	187.	48.	18.	18.05
+	DIVERSION TO	D91OA	0.	5.17	0.	0.	0.	18.05
+	HYDROGRAPH AT	DOA91	490.	5.33	187.	48.	18.	18.05
+	HYDROGRAPH AT	28-31	34.	4.83	14.	4.	1.	0.14
+	HYDROGRAPH AT	S91AW	44.	5.33	12.	3.	1.	18.05
+	ROUTED TO	R2831	43.	5.50	12.	3.	1.	18.05
+	3 COMBINED AT	C28-31	550.	5.33	208.	53.	19.	18.19
+	ROUTED TO	RADOT2	547.	5.50	207.	53.	19.	18.19
+	HYDROGRAPH AT	36-32	98.	4.25	19.	5.	2.	0.11
+	DIVERSION TO	D27NA	98.	4.25	19.	5.	2.	0.11
+	HYDROGRAPH AT	DNA27	0.	0.08	0.	0.	0.	0.11
+	HYDROGRAPH AT	26-32E	136.	4.17	20.	5.	2.	0.11
+	ROUTED TO	R3532S	87.	4.75	20.	5.	2.	0.11
+	HYDROGRAPH AT	35-32	453.	4.58	117.	30.	11.	0.99
+	DIVERSION TO	D3532W	149.	4.58	39.	10.	4.	0.99
+	HYDROGRAPH AT	D3532S	303.	4.58	79.	20.	7.	0.99
+	3 COMBINED AT	C35-32	369.	4.67	98.	25.	9.	1.09
+	DIVERSION TO	SNA1S	369.	4.67	98.	25.	9.	1.09

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+	HYDROGRAPH AT	SNA1W	0.	0.08	0.	0.	0.	1.09
+	HYDROGRAPH AT	D35OA	44.	4.42	10.	3.	1.	0.09
+	ROUTED TO	R35A	39.	4.75	10.	3.	1.	0.09
+	HYDROGRAPH AT	D3532W	149.	4.58	39.	10.	4.	0.99
+	2 COMBINED AT	C35A	177.	4.67	48.	12.	4.	1.07
+	DIVERSION TO	S35AW	53.	4.67	5.	1.	0.	1.07
+	HYDROGRAPH AT	S35AS	124.	4.67	42.	11.	4.	1.07
+	ROUTED TO	R35B	124.	4.83	42.	11.	4.	1.07
+	2 COMBINED AT	CNA35	124.	4.83	42.	11.	4.	1.07
+	DIVERSION TO	D35NA	114.	4.83	40.	10.	4.	1.07
+	HYDROGRAPH AT	DNA35	10.	4.83	2.	0.	0.	1.07
+	ROUTED TO	RNA1	9.	5.42	2.	0.	0.	1.07
+	HYDROGRAPH AT	SOA1S	111.	4.42	15.	4.	1.	0.70
+	ROUTED TO	R3432S	76.	5.17	15.	4.	1.	0.70
+	HYDROGRAPH AT	34-32	441.	4.67	121.	31.	11.	0.99
+	HYDROGRAPH AT	S35AW	53.	4.67	5.	1.	0.	1.07
+	ROUTED TO	R3432W	28.	5.75	5.	1.	0.	1.07
+	3 COMBINED AT	C34-32	440.	4.75	132.	34.	12.	2.68
+	DIVERSION TO	D3432W	161.	4.83	49.	12.	4.	2.68
+	HYDROGRAPH AT	D3432S	262.	4.83	80.	20.	7.	2.68
+	2 COMBINED AT	CNA1	266.	4.83	81.	21.	7.	2.68
+	DIVERSION TO	SNA2S	194.	4.83	64.	16.	6.	2.68

+	HYDROGRAPH AT	SNA2W	71.	4.83	17.	4.	2.	2.68
+	ROUTED TO	RNA2	68.	5.08	17.	4.	2.	2.68
+	HYDROGRAPH AT	D430A	123.	4.67	37.	9.	3.	0.70
+	ROUTED TO	R43B	121.	4.83	37.	9.	3.	0.70
+	HYDROGRAPH AT	D3432W	161.	4.83	49.	12.	4.	2.68
+	2 COMBINED AT	C43B	264.	4.83	85.	22.	8.	2.68
+	DIVERSION TO	S43BW	83.	4.83	13.	3.	1.	2.68
+	HYDROGRAPH AT	S43BS	181.	4.83	72.	18.	7.	2.68
+	ROUTED TO	R43C	180.	5.00	72.	18.	7.	2.68
+	2 COMBINED AT	CNA43	247.	5.08	88.	23.	8.	2.68
+	DIVERSION TO	D43NA	247.	5.08	88.	23.	8.	2.68
+	HYDROGRAPH AT	DNA43	0.	0.08	0.	0.	0.	2.68
+	ROUTED TO	RNA3	0.	0.08	0.	0.	0.	2.68
+	HYDROGRAPH AT	SOA2S	143.	4.92	37.	9.	3.	2.09
+	ROUTED TO	R3332S	137.	5.42	37.	9.	3.	2.09
+	HYDROGRAPH AT	33-32	403.	4.67	119.	30.	11.	0.99
+	HYDROGRAPH AT	S43BW	83.	4.83	13.	3.	1.	2.68
+	ROUTED TO	R3332W	64.	5.75	13.	3.	1.	2.68
+	3 COMBINED AT	C33-32	400.	5.25	148.	38.	14.	5.06
+	DIVERSION TO	D3332W	106.	5.33	40.	10.	4.	5.06
+	HYDROGRAPH AT	D3332S	286.	5.33	107.	27.	10.	5.06
+	2 COMBINED AT	CNA2	286.	5.33	107.	27.	10.	5.06

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+	DIVERSION TO	SNA3S	142.	5.33	48.	12.	4.	5.06
+	HYDROGRAPH AT	SNA3W	144.	5.33	59.	15.	6.	5.06
+	ROUTED TO	RNA4	143.	5.50	59.	15.	6.	5.06
+	HYDROGRAPH AT	D51OA	0.	5.08	0.	0.	0.	2.09
+	ROUTED TO	R51D	0.	5.50	0.	0.	0.	2.09
+	HYDROGRAPH AT	D3332W	106.	5.33	40.	10.	4.	5.06
+	2 COMBINED AT	C51B	106.	5.33	40.	10.	4.	5.06
+	DIVERSION TO	S51CW	52.	5.33	14.	3.	1.	5.06
+	HYDROGRAPH AT	S51CS	54.	5.25	26.	7.	2.	5.06
+	ROUTED TO	R51E	53.	5.58	26.	7.	2.	5.06
+	2 COMBINED AT	CNA51	195.	5.50	84.	22.	8.	5.10
+	DIVERSION TO	D51NA	109.	5.50	47.	12.	4.	5.10
+	HYDROGRAPH AT	DNA51	86.	5.50	37.	10.	3.	5.10
+	ROUTED TO	RNA5	85.	5.67	37.	10.	3.	5.10
+	HYDROGRAPH AT	SOA3S	96.	5.25	13.	3.	1.	4.07
+	ROUTED TO	R3232S	77.	5.83	13.	3.	1.	4.07
+	HYDROGRAPH AT	32-32	421.	4.67	117.	30.	11.	0.99
+	DIVERSION TO	D3232R	38.	4.67	4.	1.	0.	0.99
+	HYDROGRAPH AT	RET32	407.	4.75	113.	29.	10.	0.99
+	HYDROGRAPH AT	S51CW	52.	5.33	14.	3.	1.	5.06
+	ROUTED TO	R3232W	47.	6.00	14.	3.	1.	5.06
+	3 COMBINED AT	C32-32	413.	4.83	150.	38.	14.	8.03

+	DIVERSION TO	D3232W	114.	5.00	41.	10.	4.	8.03
+	HYDROGRAPH AT	D3232S	202.	5.00	73.	19.	7.	8.03
+	2 COMBINED AT	CNA3	266.	5.00	108.	28.	10.	8.03
+	DIVERSION TO	SNA4S	99.	5.00	40.	10.	4.	8.03
+	HYDROGRAPH AT	SNA4W	166.	5.00	68.	18.	6.	8.03
+	ROUTED TO	RNA6	164.	5.17	68.	18.	6.	8.03
+	HYDROGRAPH AT	D59OA	131.	5.42	29.	7.	3.	4.35
+	ROUTED TO	R59E	129.	5.58	29.	7.	3.	4.35
+	HYDROGRAPH AT	D3232W	114.	5.00	41.	10.	4.	8.03
+	2 COMBINED AT	C59C	203.	5.50	65.	17.	6.	8.32
+	DIVERSION TO	S59CW	108.	5.50	29.	7.	3.	8.32
+	HYDROGRAPH AT	S59CS	95.	5.50	37.	9.	3.	8.32
+	ROUTED TO	R59F	94.	5.75	37.	9.	3.	8.32
+	2 COMBINED AT	CNA59	244.	5.50	104.	27.	10.	8.32
+	DIVERSION TO	D59NA	119.	5.50	51.	13.	5.	8.32
+	HYDROGRAPH AT	DNA59	124.	5.50	53.	14.	5.	8.32
+	ROUTED TO	RNA7	124.	5.75	53.	14.	5.	8.32
+	HYDROGRAPH AT	SOA4S	114.	5.33	22.	5.	2.	7.18
+	ROUTED TO	R3132S	102.	5.92	22.	5.	2.	7.18
+	HYDROGRAPH AT	31-32	438.	4.67	122.	31.	11.	0.95
+	DIVERSION TO	D3132R	26.	4.67	3.	1.	0.	0.95
+	HYDROGRAPH AT	RET31	430.	4.75	119.	30.	11.	0.95

+	HYDROGRAPH AT	S59CW	108.	5.50	29.	7.	3.	8.32
+	ROUTED TO	R3132W	106.	5.83	29.	7.	3.	8.32
+	3 COMBINED AT	C31-32	427.	5.58	167.	42.	15.	12.10
+	DIVERSION TO	D3132W	97.	5.83	41.	11.	4.	12.10
+	HYDROGRAPH AT	D3132S	238.	5.83	101.	26.	9.	12.10
+	2 COMBINED AT	CNA4	352.	5.83	150.	39.	14.	12.10
+	DIVERSION TO	SNA5S	159.	5.83	61.	15.	5.	12.10
+	HYDROGRAPH AT	SNA5W	193.	5.83	90.	23.	8.	12.10
+	ROUTED TO	RNA8	192.	5.83	90.	23.	8.	12.10
+	HYDROGRAPH AT	D67OA	32.	5.42	4.	1.	0.	7.43
+	ROUTED TO	R67G	28.	5.67	4.	1.	0.	7.43
+	HYDROGRAPH AT	D3132W	97.	5.83	41.	11.	4.	12.10
+	2 COMBINED AT	C67D	109.	5.75	43.	11.	4.	12.35
+	DIVERSION TO	S67DW	22.	5.75	7.	2.	1.	12.35
+	HYDROGRAPH AT	S67DS	87.	5.75	36.	9.	3.	12.35
+	ROUTED TO	R67H	86.	5.92	36.	9.	3.	12.35
+	2 COMBINED AT	CNA67	277.	5.92	125.	33.	12.	12.37
+	DIVERSION TO	D67NA	277.	5.92	125.	33.	12.	12.37
+	HYDROGRAPH AT	DNA67	0.	0.08	0.	0.	0.	12.37
+	HYDROGRAPH AT	D75OA	399.	6.33	58.	15.	5.	11.46
+	HYDROGRAPH AT	SOA5S	242.	5.33	86.	21.	8.	11.46
+	HYDROGRAPH AT	36-31E	352.	4.42	67.	17.	6.	0.50

+	HYDROGRAPH AT	S67DW	22.	5.75	7.	2.	1.	12.35
+	ROUTED TO	R3631W	19.	6.75	7.	2.	1.	12.35
+	HYDROGRAPH AT	D26AS	520.	6.50	280.	71.	26.	15.22
+	5 COMBINED AT	C3631E	1045.	6.33	435.	114.	41.	20.60
+	ROUTED TO	RES36	968.	6.58	381.	96.	35.	20.60
+	ROUTED TO	R3631	967.	6.67	380.	96.	35.	20.60
+	HYDROGRAPH AT	36-31W	523.	4.25	77.	19.	7.	0.51
+	2 COMBINED AT	C3631W	967.	6.67	410.	111.	40.	21.14
+	DIVERSION TO	D3631W	764.	6.67	324.	88.	32.	21.14
+	HYDROGRAPH AT	D3631S	203.	6.67	86.	23.	8.	21.14
+	2 COMBINED AT	CNA5	203.	6.67	86.	23.	8.	21.14
+	DIVERSION TO	SNA6S	71.	6.67	23.	6.	2.	21.14
+	HYDROGRAPH AT	SNA6W	132.	6.67	63.	18.	6.	21.14
+	ROUTED TO	RNA9	129.	6.92	63.	18.	6.	21.14
+	HYDROGRAPH AT	D3631W	764.	6.67	324.	88.	32.	21.14
+	DIVERSION TO	S75EW	186.	6.67	75.	19.	7.	21.14
+	HYDROGRAPH AT	S75ES	577.	6.67	248.	68.	25.	21.14
+	ROUTED TO	R75H	574.	6.83	248.	68.	25.	21.14
+	2 COMBINED AT	CNA75	703.	6.83	311.	86.	31.	21.14
+	DIVERSION TO	D75NA	218.	6.83	96.	27.	10.	21.14
+	HYDROGRAPH AT	DNA75	485.	6.83	214.	59.	21.	21.14
+	ROUTED TO	RNA10	480.	6.92	214.	59.	21.	21.14

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+	HYDROGRAPH AT	SOA6S	0.	4.33	0.	0.	0.	15.76
+	ROUTED TO	R3531S	0.	5.25	0.	0.	0.	15.76
+	HYDROGRAPH AT	35-31	399.	4.67	105.	27.	10.	1.00
+	HYDROGRAPH AT	S75EW	186.	6.67	75.	19.	7.	21.14
+	ROUTED TO	R3531W	181.	7.00	75.	19.	7.	21.14
+	3 COMBINED AT	C35-31	400.	4.83	198.	52.	19.	22.69
+	DIVERSION TO	D3531W	141.	4.83	70.	19.	7.	22.69
+	HYDROGRAPH AT	D3531S	146.	4.83	73.	19.	7.	22.69
+	2 COMBINED AT	CNA6	578.	7.00	281.	78.	28.	22.69
+	DIVERSION TO	SNA7S	131.	7.00	61.	15.	6.	22.69
+	HYDROGRAPH AT	SNA7W	446.	7.00	221.	62.	23.	22.69
+	ROUTED TO	RNA11	442.	7.08	220.	62.	23.	22.69
+	HYDROGRAPH AT	D83OA	0.	4.58	0.	0.	0.	15.76
+	ROUTED TO	R83F	0.	4.92	0.	0.	0.	15.76
+	HYDROGRAPH AT	D3531W	141.	4.83	70.	19.	7.	22.69
+	2 COMBINED AT	C83C	141.	4.83	70.	19.	7.	22.69
+	DIVERSION TO	S83DW	43.	4.83	14.	3.	1.	22.69
+	HYDROGRAPH AT	S83DS	98.	4.83	56.	15.	5.	22.69
+	ROUTED TO	R83G	96.	5.08	56.	15.	5.	22.69
+	2 COMBINED AT	CNA83	515.	7.08	276.	77.	28.	22.69
+	DIVERSION TO	D83NA	0.	6.83	0.	0.	0.	22.69
+	HYDROGRAPH AT	DNA83	515.	7.08	276.	77.	28.	22.69

+	ROUTED TO	RNA12	508.	7.25	275.	77.	28.	22.69
+	DIVERSION TO	RES34O	202.	5.00	137.	35.	13.	22.69
+	HYDROGRAPH AT	RES34	306.	7.25	150.	43.	15.	22.69
+	HYDROGRAPH AT	SOA7S	0.	4.92	0.	0.	0.	18.05
+	ROUTED TO	R3431S	0.	5.75	0.	0.	0.	18.05
+	HYDROGRAPH AT	34-31	391.	4.67	105.	27.	10.	1.00
+	DIVERSION TO	D3431R	23.	4.67	6.	2.	1.	1.00
+	HYDROGRAPH AT	RET34	368.	4.67	99.	25.	9.	1.00
+	HYDROGRAPH AT	S83DW	43.	4.83	14.	3.	1.	22.69
+	ROUTED TO	R3431W	31.	6.00	14.	3.	1.	22.69
+	3 COMBINED AT	C34-31	368.	4.83	137.	35.	13.	25.97
+	DIVERSION TO	D3431W	127.	4.83	58.	15.	6.	25.97
+	HYDROGRAPH AT	D3431S	91.	4.83	20.	5.	2.	25.97
+	2 COMBINED AT	CNA7	290.	7.25	154.	45.	17.	25.97
+	DIVERSION TO	SNA8S	108.	7.25	49.	13.	5.	25.97
+	HYDROGRAPH AT	SNA8W	182.	7.25	105.	33.	12.	25.97
+	ROUTED TO	RNA13	165.	7.67	105.	33.	12.	25.97
+	HYDROGRAPH AT	D91OA	0.	5.17	0.	0.	0.	18.05
+	ROUTED TO	R91C	0.	5.75	0.	0.	0.	18.05
+	HYDROGRAPH AT	D3431W	127.	4.83	58.	15.	6.	25.97
+	2 COMBINED AT	C91B	127.	4.83	58.	15.	6.	25.97
+	DIVERSION TO	S91BW	82.	4.83	48.	13.	5.	25.97

+	HYDROGRAPH AT	S91BS	45.	4.83	10.	3.	1.	25.97
+	ROUTED TO	R91D	43.	5.17	10.	3.	1.	25.97
+	2 COMBINED AT	CNA91	165.	7.67	113.	35.	13.	25.97
+	DIVERSION TO	D91NA	81.	7.25	49.	14.	5.	25.97
+	HYDROGRAPH AT	DNA91	86.	7.67	64.	22.	8.	25.97
+	ROUTED TO	RNA14	80.	8.00	64.	22.	8.	25.97
+	HYDROGRAPH AT	S91BW	82.	4.83	48.	13.	5.	25.97
+	ROUTED TO	R3331W	82.	5.00	48.	13.	5.	25.97
+	HYDROGRAPH AT	33-31	62.	4.75	22.	6.	2.	0.26
+	4 COMBINED AT	C33-31	687.	5.50	308.	88.	32.	26.37
+	ROUTED TO	R421S	687.	5.50	307.	88.	32.	26.37
+	2 COMBINED AT	NULL3	2909.	5.42	1215.	322.	116.	1.00
+	HYDROGRAPH AT	1-22	131.	4.50	32.	8.	3.	0.24
+	DIVERSION TO	D122W	106.	4.50	26.	7.	2.	0.24
+	HYDROGRAPH AT	D122S	25.	4.50	6.	2.	1.	0.24
+	HYDROGRAPH AT	D27NA	98.	4.25	19.	5.	2.	0.11
+	ROUTED TO	R27A	91.	4.50	19.	5.	2.	0.11
+	HYDROGRAPH AT	D122W	106.	4.50	26.	7.	2.	0.24
+	2 COMBINED AT	C27A	197.	4.50	45.	12.	4.	0.36
+	DIVERSION TO	S27AW	30.	4.50	2.	0.	0.	0.36
+	HYDROGRAPH AT	S27AS	167.	4.50	44.	11.	4.	0.36
+	ROUTED TO	R27B	165.	4.67	44.	11.	4.	0.36

+	2 COMBINED AT	CGA27	189.	4.67	50.	13.	5.	0.36
+	DIVERSION TO	D27GA	189.	4.67	50.	13.	5.	0.36
+	HYDROGRAPH AT	DGA27	0.	0.08	0.	0.	0.	0.36
+	HYDROGRAPH AT	2-22	385.	4.67	109.	28.	10.	1.00
+	DIVERSION TO	D222W	35.	4.67	10.	3.	1.	1.00
+	HYDROGRAPH AT	D222S	350.	4.67	99.	25.	9.	1.00
+	HYDROGRAPH AT	SNA1S	369.	4.67	98.	25.	9.	1.09
+	ROUTED TO	R222S	361.	4.92	98.	25.	9.	1.09
+	HYDROGRAPH AT	S27AW	30.	4.50	2.	0.	0.	0.36
+	ROUTED TO	R222W	13.	5.08	2.	0.	0.	0.36
+	3 COMBINED AT	C2-22	616.	4.92	185.	47.	17.	2.45
+	HYDROGRAPH AT	D35NA	114.	4.83	40.	10.	4.	1.07
+	ROUTED TO	R35C	113.	5.00	40.	10.	4.	1.07
+	HYDROGRAPH AT	D222W	35.	4.67	10.	3.	1.	1.00
+	2 COMBINED AT	C35B	141.	4.92	49.	13.	5.	2.08
+	DIVERSION TO	S35BW	30.	4.92	4.	1.	0.	2.08
+	HYDROGRAPH AT	S35BS	111.	4.92	45.	12.	4.	2.08
+	ROUTED TO	R35D	110.	5.17	45.	12.	4.	2.08
+	DIVERSION TO	S35CS	74.	5.17	30.	8.	3.	2.08
+	HYDROGRAPH AT	S35CE	36.	5.17	15.	4.	1.	2.08
+	3 COMBINED AT	CGA1	648.	4.92	199.	51.	18.	2.54
+	DIVERSION TO	SGA1S	648.	4.92	199.	51.	18.	2.54

+	HYDROGRAPH AT	SGA1W	0.	0.08	0.	0.	0.	2.54
+	HYDROGRAPH AT	S35CS	74.	5.17	30.	8.	3.	2.08
+	2 COMBINED AT	CGA35	74.	5.17	30.	8.	3.	2.10
+	DIVERSION TO	D35GA	72.	5.17	30.	8.	3.	2.10
+	HYDROGRAPH AT	DGA35	2.	5.17	0.	0.	0.	2.10
+	ROUTED TO	RGA1	1.	5.75	0.	0.	0.	2.10
+	HYDROGRAPH AT	SNA2S	194.	4.83	64.	16.	6.	2.68
+	ROUTED TO	R322S	189.	5.25	64.	16.	6.	2.68
+	HYDROGRAPH AT	3-22	484.	4.67	132.	34.	12.	1.00
+	HYDROGRAPH AT	S35BW	30.	4.92	4.	1.	0.	2.08
+	ROUTED TO	R322W	20.	6.00	4.	1.	0.	2.08
+	3 COMBINED AT	C3-22	540.	4.92	183.	47.	17.	4.68
+	DIVERSION TO	D322W	168.	4.92	38.	10.	3.	4.68
+	HYDROGRAPH AT	D322S	372.	4.92	145.	37.	13.	4.68
+	2 COMBINED AT	CGA2	372.	4.92	145.	37.	14.	4.68
+	DIVERSION TO	SGA2S	262.	4.92	105.	27.	10.	4.68
+	HYDROGRAPH AT	SGA2W	110.	4.92	40.	10.	4.	4.68
+	ROUTED TO	RGA2	108.	5.08	40.	10.	4.	4.68
+	HYDROGRAPH AT	D43NA	247.	5.08	88.	23.	8.	2.68
+	ROUTED TO	R43D	246.	5.17	88.	23.	8.	2.68
+	HYDROGRAPH AT	D322W	168.	4.92	38.	10.	3.	4.68
+	2 COMBINED AT	C43C	391.	5.08	124.	32.	11.	4.68

+	DIVERSION TO	S43CW	133.	5.08	28.	7.	3.	4.68
+	HYDROGRAPH AT	S43CS	257.	5.08	96.	24.	9.	4.68
+	ROUTED TO	R43E	256.	5.17	95.	24.	9.	4.68
+	2 COMBINED AT	CGA43	364.	5.17	135.	35.	13.	4.68
+	DIVERSION TO	D43GA	216.	5.17	97.	25.	9.	4.68
+	HYDROGRAPH AT	DGA43	148.	5.17	38.	9.	3.	4.68
+	ROUTED TO	RGA3	145.	5.33	38.	9.	3.	4.68
+	HYDROGRAPH AT	SNA3S	142.	5.33	48.	12.	4.	5.06
+	ROUTED TO	R422S	139.	5.67	48.	12.	4.	5.06
+	HYDROGRAPH AT	4-22	378.	4.67	113.	29.	10.	1.00
+	HYDROGRAPH AT	S43CW	133.	5.08	28.	7.	3.	4.68
+	ROUTED TO	R422W	124.	5.67	28.	7.	3.	4.68
+	3 COMBINED AT	C4-22	404.	5.58	161.	41.	15.	8.07
+	DIVERSION TO	D422W	170.	5.58	68.	17.	6.	8.07
+	HYDROGRAPH AT	D422S	234.	5.58	93.	24.	9.	8.07
+	2 COMBINED AT	CGA3	363.	5.58	128.	33.	12.	8.07
+	DIVERSION TO	SGA3S	240.	5.58	82.	21.	8.	8.07
+	HYDROGRAPH AT	SGA3W	123.	5.58	46.	12.	4.	8.07
+	ROUTED TO	RGA4	121.	5.75	46.	12.	4.	8.07
+	HYDROGRAPH AT	D51NA	109.	5.50	47.	12.	4.	5.10
+	ROUTED TO	R51F	108.	5.67	47.	12.	4.	5.10
+	HYDROGRAPH AT	D422W	170.	5.58	68.	17.	6.	8.07

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+	2 COMBINED AT	C51C	269.	5.58	112.	29.	11.	8.07
+	DIVERSION TO	S51DW	151.	5.58	53.	13.	5.	8.07
+	HYDROGRAPH AT	S51DS	118.	5.58	59.	16.	6.	8.07
+	ROUTED TO	R51G	117.	5.75	59.	16.	6.	8.07
+	2 COMBINED AT	CGA51	238.	5.75	105.	28.	10.	8.07
+	DIVERSION TO	D51GA	131.	5.75	58.	15.	5.	8.07
+	HYDROGRAPH AT	DGA51	107.	5.75	47.	12.	4.	8.07
+	ROUTED TO	RGA5	106.	5.92	47.	12.	4.	8.07
+	HYDROGRAPH AT	SNA4S	99.	5.00	40.	10.	4.	8.03
+	ROUTED TO	R522S	95.	5.67	40.	10.	4.	8.03
+	HYDROGRAPH AT	5-22	386.	4.58	108.	28.	10.	1.01
+	HYDROGRAPH AT	S51DW	151.	5.58	53.	13.	5.	8.07
+	ROUTED TO	R522W	146.	6.00	53.	13.	5.	8.07
+	3 COMBINED AT	C5-22	384.	5.42	171.	45.	16.	12.10
+	DIVERSION TO	D522W	177.	5.42	79.	21.	7.	12.10
+	HYDROGRAPH AT	D522S	192.	5.42	85.	22.	8.	12.10
+	2 COMBINED AT	CGA4	273.	5.58	130.	34.	12.	12.10
+	DIVERSION TO	SGA4S	184.	5.58	79.	20.	7.	12.10
+	HYDROGRAPH AT	SGA4W	89.	5.58	51.	14.	5.	12.10
+	ROUTED TO	RGA6	88.	5.83	51.	14.	5.	12.10
+	HYDROGRAPH AT	D59NA	119.	5.50	51.	13.	5.	8.32
+	ROUTED TO	R59G	119.	5.75	51.	13.	5.	8.32

+	HYDROGRAPH AT	D522W	177.	5.42	79.	21.	7.	12.10
+	2 COMBINED AT	C59D	282.	5.50	126.	33.	12.	12.34
+	DIVERSION TO	S59DW	193.	5.50	76.	19.	7.	12.34
+	HYDROGRAPH AT	S59DS	90.	5.50	50.	14.	5.	12.34
+	ROUTED TO	R59H	89.	5.67	50.	14.	5.	12.34
+	2 COMBINED AT	CGA59	176.	5.75	101.	28.	10.	12.34
+	DIVERSION TO	D59GA	176.	5.75	101.	28.	10.	12.34
+	HYDROGRAPH AT	DGA59	0.	0.08	0.	0.	0.	12.34
+	HYDROGRAPH AT	D67NA	277.	5.92	125.	33.	12.	12.37
+	HYDROGRAPH AT	SNA5S	159.	5.83	61.	15.	5.	12.10
+	ROUTED TO	R622ES	156.	6.17	61.	15.	5.	12.10
+	HYDROGRAPH AT	6-22E	294.	4.50	69.	18.	6.	0.50
+	HYDROGRAPH AT	S59DW	193.	5.50	76.	19.	7.	12.34
+	ROUTED TO	R622EW	189.	5.92	76.	19.	7.	12.34
+	HYDROGRAPH AT	D59GA	176.	5.75	101.	28.	10.	12.34
+	5 COMBINED AT	C6-22E	791.	5.83	391.	103.	37.	16.90
+	HYDROGRAPH AT	8-22E	448.	4.33	81.	20.	7.	0.52
+	HYDROGRAPH AT	SGA4S	184.	5.58	79.	20.	7.	12.10
+	ROUTED TO	R822ES	182.	5.83	79.	20.	7.	12.10
+	2 COMBINED AT	C8-22E	448.	4.42	213.	55.	20.	12.60
+	DIVERSION TO	D822ES	137.	4.50	69.	19.	7.	12.60
+	HYDROGRAPH AT	D822EW	137.	4.50	69.	19.	7.	12.60

+	ROUTED TO	RGR3	135.	4.75	69.	19.	7.	12.60
+	2 COMBINED AT	C622EA	890.	5.83	454.	120.	43.	17.40
+	ROUTED TO	RES6	108.	5.92	108.	100.	43.	17.40
+	ROUTED TO	R622WW	108.	6.58	108.	100.	43.	17.40
+	HYDROGRAPH AT	6-22W	430.	4.25	69.	17.	6.	0.47
+	2 COMBINED AT	C6-22W	236.	4.33	132.	108.	48.	17.90
+	DIVERSION TO	D622WW	232.	4.33	132.	108.	48.	17.90
+	HYDROGRAPH AT	D622WS	3.	4.33	0.	0.	0.	17.90
+	2 COMBINED AT	CGA5	3.	4.33	0.	0.	0.	17.90
+	DIVERSION TO	SGA5S	0.	4.33	0.	0.	0.	17.90
+	HYDROGRAPH AT	SGA5W	3.	4.33	0.	0.	0.	17.90
+	ROUTED TO	RGA7	1.	4.58	0.	0.	0.	17.90
+	HYDROGRAPH AT	D622WW	232.	4.33	132.	108.	48.	17.90
+	DIVERSION TO	S67EW	230.	4.42	132.	108.	48.	17.90
+	HYDROGRAPH AT	S67ES	2.	4.33	0.	0.	0.	17.90
+	ROUTED TO	R67I	0.	4.83	0.	0.	0.	17.90
+	2 COMBINED AT	CGA67	1.	4.58	0.	0.	0.	17.90
+	DIVERSION TO	D67GA	0.	4.58	0.	0.	0.	17.90
+	HYDROGRAPH AT	DGA67	1.	4.58	0.	0.	0.	17.90
+	ROUTED TO	RGA8	1.	5.00	0.	0.	0.	17.90
+	HYDROGRAPH AT	SNA6S	71.	6.67	23.	6.	2.	21.14
+	ROUTED TO	R121S	66.	7.25	23.	6.	2.	21.14

+	HYDROGRAPH AT	1-21	417.	4.67	115.	29.	11.	1.00
+	DIVERSION TO	D1-21	29.	4.67	7.	2.	1.	1.00
+	HYDROGRAPH AT	RET1	388.	4.67	108.	27.	10.	1.00
+	HYDROGRAPH AT	S67EW	230.	4.42	132.	108.	48.	17.90
+	DIVERSION TO	RES100	184.	4.42	89.	23.	8.	17.90
+	HYDROGRAPH AT	RES1	108.	7.50	108.	95.	40.	17.90
+	ROUTED TO	R121W	108.	8.75	108.	94.	40.	17.90
+	3 COMBINED AT	C1-21	389.	4.92	200.	148.	68.	27.66
+	DIVERSION TO	D121W	139.	4.92	99.	86.	39.	27.66
+	HYDROGRAPH AT	D121S	115.	4.92	38.	18.	7.	27.66
+	2 COMBINED AT	CGA6	115.	4.92	38.	18.	7.	27.66
+	DIVERSION TO	SGA6S	25.	4.92	4.	1.	0.	27.66
+	HYDROGRAPH AT	SGA6W	90.	4.92	34.	17.	6.	27.66
+	ROUTED TO	RGA9	89.	5.08	34.	17.	6.	27.66
+	HYDROGRAPH AT	D75NA	218.	6.83	96.	27.	10.	21.14
+	ROUTED TO	R75I	214.	7.00	96.	27.	10.	21.14
+	HYDROGRAPH AT	D121W	139.	4.92	99.	86.	39.	27.66
+	2 COMBINED AT	C75D	276.	7.17	188.	111.	48.	27.66
+	DIVERSION TO	S75FW	187.	7.17	143.	99.	44.	27.66
+	HYDROGRAPH AT	S75FS	90.	7.08	45.	11.	4.	27.66
+	ROUTED TO	R75J	85.	7.42	45.	11.	4.	27.66
+	2 COMBINED AT	CGA75	136.	5.17	79.	28.	10.	27.66

+	DIVERSION TO	D75GA	83.	5.17	48.	17.	6.	27.66
+	HYDROGRAPH AT	DGA75	53.	5.17	31.	11.	4.	27.66
+	ROUTED TO	RGA10	50.	5.50	30.	11.	4.	27.66
+	HYDROGRAPH AT	SNA7S	131.	7.00	61.	15.	6.	22.69
+	ROUTED TO	R221S	124.	7.42	60.	15.	6.	22.69
+	HYDROGRAPH AT	2-21	389.	4.67	95.	24.	9.	1.00
+	HYDROGRAPH AT	S75FW	187.	7.17	143.	99.	44.	27.66
+	ROUTED TO	R221W	184.	7.50	143.	99.	44.	27.66
+	3 COMBINED AT	C2-21	388.	5.08	256.	132.	56.	30.20
+	DIVERSION TO	D221W	259.	5.08	198.	114.	49.	30.20
+	HYDROGRAPH AT	D221S	104.	5.08	44.	11.	4.	30.20
+	2 COMBINED AT	CGA7	143.	5.25	73.	22.	8.	30.20
+	DIVERSION TO	SGA7S	55.	5.25	21.	5.	2.	30.20
+	HYDROGRAPH AT	SGA7W	88.	5.25	52.	17.	6.	30.20
+	ROUTED TO	RGA11	85.	5.42	51.	17.	6.	30.20
+	HYDROGRAPH AT	D83NA	0.	6.83	0.	0.	0.	22.69
+	HYDROGRAPH AT	D221W	259.	5.08	198.	114.	49.	30.20
+	2 COMBINED AT	C83D	259.	5.08	198.	114.	49.	30.20
+	DIVERSION TO	S83EW	10.	5.08	1.	0.	0.	30.20
+	HYDROGRAPH AT	S83ES	249.	5.08	197.	114.	49.	30.20
+	ROUTED TO	R83I	248.	5.25	197.	114.	49.	30.20
+	2 COMBINED AT	CGA83	331.	5.33	248.	131.	55.	30.20

+	DIVERSION TO	D83GA	0.	5.25	0.	0.	0.	30.20
+	HYDROGRAPH AT	DGA83	331.	5.33	248.	131.	55.	30.20
+	ROUTED TO	RGA12	329.	5.42	247.	131.	55.	30.20
+	HYDROGRAPH AT	SNA8S	108.	7.25	49.	13.	5.	25.97
+	ROUTED TO	R321S	99.	7.42	48.	13.	5.	25.97
+	HYDROGRAPH AT	3-21	377.	4.42	64.	16.	6.	0.98
+	HYDROGRAPH AT	S83EW	10.	5.08	1.	0.	0.	30.20
+	ROUTED TO	R321W	5.	5.83	1.	0.	0.	30.20
+	3 COMBINED AT	C3-21	393.	7.42	213.	57.	20.	34.46
+	DIVERSION TO	D321W	38.	4.58	18.	5.	2.	34.46
+	HYDROGRAPH AT	D321S	86.	4.58	40.	12.	4.	34.46
+	2 COMBINED AT	CGA8	374.	5.42	278.	139.	58.	34.46
+	DIVERSION TO	SGA8S	0.	5.42	0.	0.	0.	34.46
+	HYDROGRAPH AT	SGA8W	374.	5.42	278.	139.	58.	34.46
+	ROUTED TO	RGA13	372.	5.58	278.	139.	58.	34.46
+	HYDROGRAPH AT	D91NA	81.	7.25	49.	14.	5.	25.97
+	ROUTED TO	R91E	79.	7.50	49.	14.	5.	25.97
+	HYDROGRAPH AT	D321W	38.	4.58	18.	5.	2.	34.46
+	2 COMBINED AT	C91C	87.	8.00	56.	17.	6.	34.46
+	DIVERSION TO	S91CW	15.	7.42	7.	2.	1.	34.46
+	HYDROGRAPH AT	S91CS	75.	8.00	50.	15.	5.	34.46
+	ROUTED TO	R91F	69.	8.33	50.	15.	5.	34.46

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+	2 COMBINED AT	CGA91	432.	5.58	327.	154.	63.	34.46
+	DIVERSION TO	D91GA	21.	7.58	4.	1.	0.	34.46
+	HYDROGRAPH AT	DGA91	414.	5.58	323.	153.	63.	34.46
+	ROUTED TO	RGA14	412.	5.67	322.	153.	63.	34.46
+	HYDROGRAPH AT	4-21	215.	4.67	55.	14.	5.	0.88
+	DIVERSION TO	D4-21	28.	4.67	7.	2.	1.	0.88
+	HYDROGRAPH AT	RET4	187.	4.67	48.	12.	4.	0.88
+	HYDROGRAPH AT	S91CW	15.	7.42	7.	2.	1.	34.46
+	ROUTED TO	R421W	13.	8.08	7.	2.	1.	34.46
+	2 COMBINED AT	C4-21	187.	4.75	76.	21.	7.	35.34
+	DIVERSION TO	D421W	23.	4.83	8.	2.	1.	35.34
+	HYDROGRAPH AT	D421S	31.	4.83	11.	3.	1.	35.34
+	2 COMBINED AT	CGA9	428.	5.67	330.	155.	64.	35.34
+	DIVERSION TO	SGA9S	3.	5.67	0.	0.	0.	35.34
+	HYDROGRAPH AT	SGA9W	424.	5.67	329.	155.	64.	35.34
+	ROUTED TO	RGA15	424.	5.83	328.	155.	64.	35.34
+	HYDROGRAPH AT	D421W	23.	4.83	8.	2.	1.	35.34
+	ROUTED TO	R99A	21.	5.17	8.	2.	1.	35.34
+	2 COMBINED AT	CGA99	440.	5.83	336.	157.	64.	35.34
+	DIVERSION TO	D99GA	37.	5.83	7.	2.	1.	35.34
+	HYDROGRAPH AT	DGA99	403.	5.75	329.	155.	64.	35.34
+	HYDROGRAPH AT	5-21	179.	4.42	32.	8.	3.	0.35

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+	2 COMBINED AT	C5-21	415.	5.58	332.	157.	65.	35.68
+	2 COMBINED AT	NULL4	3434.	5.42	1682.	524.	209.	1.00
+	HYDROGRAPH AT	11-22	379.	4.67	114.	29.	11.	1.01
+	DIVERSION TO	D1122W	80.	4.67	24.	6.	2.	1.01
+	HYDROGRAPH AT	D1122S	300.	4.67	90.	23.	8.	1.01
+	HYDROGRAPH AT	SGA1S	648.	4.92	199.	51.	18.	2.54
+	ROUTED TO	R1122S	643.	5.08	198.	51.	18.	2.54
+	2 COMBINED AT	C11-22	839.	5.08	273.	71.	25.	3.50
+	DIVERSION TO	SD31AS	147.	4.17	108.	29.	11.	3.50
+	HYDROGRAPH AT	SD31A	692.	5.08	165.	41.	15.	3.50
+	DIVERSION TO	SBH1W	346.	5.08	82.	21.	7.	3.50
+	HYDROGRAPH AT	SBH1E	346.	5.08	82.	21.	7.	3.50
+	ROUTED TO	RBH1	344.	5.17	82.	21.	7.	3.50
+	HYDROGRAPH AT	D27GA	189.	4.67	50.	13.	5.	0.36
+	ROUTED TO	R27C	184.	5.00	50.	13.	5.	0.36
+	HYDROGRAPH AT	12-22	151.	4.42	34.	9.	3.	0.25
+	3 COMBINED AT	CBH27	389.	5.25	118.	30.	11.	21.30
+	DIVERSION TO	D27BH	389.	5.25	118.	30.	11.	21.30
+	HYDROGRAPH AT	DBH27	0.	0.08	0.	0.	0.	21.30
+	HYDROGRAPH AT	D35GA	72.	5.17	30.	8.	3.	2.10
+	ROUTED TO	R35E	72.	5.42	30.	8.	3.	2.10
+	HYDROGRAPH AT	D1122W	80.	4.67	24.	6.	2.	1.01

+	2 COMBINED AT	C35C	127.	5.17	51.	13.	5.	3.10
+	ROUTED TO	R35F	125.	5.33	51.	13.	5.	3.10
+	HYDROGRAPH AT	SBH1W	346.	5.08	82.	21.	7.	3.50
+	ROUTED TO	RBH2	343.	5.17	82.	21.	7.	3.50
+	HYDROGRAPH AT	SGA2S	262.	4.92	105.	27.	10.	4.68
+	ROUTED TO	R1022S	260.	5.08	105.	27.	10.	4.68
+	HYDROGRAPH AT	10-22	363.	4.67	105.	27.	10.	0.99
+	2 COMBINED AT	C10-22	505.	5.00	189.	49.	18.	5.70
+	DIVERSION TO	SD39AS	164.	4.17	108.	29.	10.	5.70
+	HYDROGRAPH AT	SD39A	341.	5.00	81.	20.	7.	5.70
+	DIVERSION TO	D1022W	201.	5.00	48.	12.	4.	5.70
+	HYDROGRAPH AT	D1022E	140.	5.00	33.	8.	3.	5.70
+	4 COMBINED AT	CBH35	530.	5.25	152.	39.	14.	7.10
+	DIVERSION TO	D35BH	530.	5.25	152.	39.	14.	7.10
+	HYDROGRAPH AT	DBH35	0.	0.08	0.	0.	0.	7.10
+	HYDROGRAPH AT	D43GA	216.	5.17	97.	25.	9.	4.68
+	ROUTED TO	R43F	215.	5.33	97.	25.	9.	4.68
+	HYDROGRAPH AT	D1022W	201.	5.00	48.	12.	4.	5.70
+	2 COMBINED AT	C43D	398.	5.08	144.	37.	13.	5.70
+	DIVERSION TO	S43DW	165.	5.08	38.	10.	3.	5.70
+	HYDROGRAPH AT	S43DS	233.	5.08	106.	28.	10.	5.70
+	ROUTED TO	R43G	232.	5.25	106.	28.	10.	5.70

+	2 COMBINED AT	CBH43	232.	5.25	106.	28.	10.	5.70
+	DIVERSION TO	D43BH	165.	5.25	88.	23.	8.	5.70
+	HYDROGRAPH AT	DBH43	67.	5.25	18.	4.	2.	5.70
+	ROUTED TO	RBH3	65.	5.58	18.	4.	2.	5.70
+	HYDROGRAPH AT	SGA3S	240.	5.58	82.	21.	8.	8.07
+	ROUTED TO	R922S	236.	5.83	82.	21.	8.	8.07
+	HYDROGRAPH AT	9-22	430.	4.67	126.	32.	12.	0.99
+	HYDROGRAPH AT	S43DW	165.	5.08	38.	10.	3.	5.70
+	ROUTED TO	R922W	152.	5.75	38.	10.	3.	5.70
+	3 COMBINED AT	C9-22	522.	5.67	215.	56.	20.	10.10
+	DIVERSION TO	D922W	178.	5.67	73.	19.	7.	10.10
+	HYDROGRAPH AT	D922S	345.	5.67	142.	37.	13.	10.10
+	2 COMBINED AT	CBH1	403.	5.67	158.	41.	15.	10.10
+	DIVERSION TO	SBH2S	290.	5.67	112.	29.	10.	10.10
+	HYDROGRAPH AT	SBH2W	113.	5.67	45.	12.	4.	10.10
+	ROUTED TO	RBH4	111.	5.92	45.	12.	4.	10.10
+	HYDROGRAPH AT	D51GA	131.	5.75	58.	15.	5.	8.07
+	ROUTED TO	R51H	129.	5.92	58.	15.	5.	8.07
+	HYDROGRAPH AT	D922W	178.	5.67	73.	19.	7.	10.10
+	2 COMBINED AT	C51D	297.	5.75	129.	34.	12.	10.10
+	DIVERSION TO	S51EW	175.	5.75	64.	16.	6.	10.10
+	HYDROGRAPH AT	S51ES	122.	5.75	65.	18.	6.	10.10

+	ROUTED TO	R51I	121.	6.00	65.	18.	6.	10.10
+	2 COMBINED AT	CBH51	232.	5.92	110.	30.	11.	10.10
+	DIVERSION TO	D51BH	232.	5.92	110.	30.	11.	10.10
+	HYDROGRAPH AT	DBH51	0.	0.08	0.	0.	0.	10.10
+	HYDROGRAPH AT	S51EW	175.	5.75	64.	16.	6.	10.10
+	ROUTED TO	R822EW	171.	6.00	64.	16.	6.	10.10
+	HYDROGRAPH AT	D822ES	137.	4.50	69.	19.	7.	12.60
+	2 COMBINED AT	C822E1	259.	6.00	126.	33.	12.	14.60
+	ROUTED TO	RES8	68.	7.92	30.	8.	3.	14.60
+	ROUTED TO	R822WW	67.	8.17	29.	8.	3.	14.60
+	HYDROGRAPH AT	8-22W	640.	4.17	75.	19.	7.	0.49
+	DIVERSION TO	D822WW	135.	4.17	16.	4.	1.	0.49
+	HYDROGRAPH AT	D822WS	506.	4.17	59.	15.	5.	0.49
+	3 COMBINED AT	C8-22W	220.	4.17	57.	19.	7.	15.10
+	DIVERSION TO	SBH3S	85.	4.17	16.	4.	1.	15.10
+	HYDROGRAPH AT	SBH3W	135.	4.17	42.	15.	6.	15.10
+	ROUTED TO	RBH5	126.	4.42	42.	15.	6.	15.10
+	HYDROGRAPH AT	D822WW	135.	4.17	16.	4.	1.	0.49
+	DIVERSION TO	S59EW	60.	4.17	4.	1.	0.	0.49
+	HYDROGRAPH AT	S59ES	74.	4.17	12.	3.	1.	0.49
+	ROUTED TO	R59I	62.	4.42	12.	3.	1.	0.49
+	2 COMBINED AT	CBH59	168.	4.42	51.	18.	7.	15.10

+	DIVERSION TO	D59BH	94.	4.42	29.	10.	4.	15.10
+	HYDROGRAPH AT	DBH59	74.	4.42	23.	8.	3.	15.10
+	ROUTED TO	RBH6	70.	4.67	22.	8.	3.	15.10
+	HYDROGRAPH AT	SGA5S	0.	4.33	0.	0.	0.	17.90
+	ROUTED TO	R722S	0.	5.17	0.	0.	0.	17.90
+	HYDROGRAPH AT	7-22	374.	4.67	114.	29.	11.	0.97
+	HYDROGRAPH AT	S59EW	60.	4.17	4.	1.	0.	0.49
+	ROUTED TO	R722W	28.	4.83	4.	1.	0.	0.49
+	3 COMBINED AT	C7-22	374.	4.75	120.	31.	11.	19.30
+	DIVERSION TO	D722W	85.	4.83	31.	8.	3.	19.30
+	HYDROGRAPH AT	D722S	150.	4.83	55.	14.	5.	19.30
+	2 COMBINED AT	CBH2	202.	4.75	72.	21.	7.	25.80
+	DIVERSION TO	SBH4S	126.	4.75	30.	8.	3.	25.80
+	HYDROGRAPH AT	SBH4W	76.	4.75	41.	13.	5.	25.80
+	ROUTED TO	RBH7	75.	5.00	41.	13.	5.	25.80
+	HYDROGRAPH AT	D67GA	0.	4.58	0.	0.	0.	17.90
+	ROUTED TO	R67J	0.	4.92	0.	0.	0.	17.90
+	HYDROGRAPH AT	D722W	85.	4.83	31.	8.	3.	19.30
+	2 COMBINED AT	C67E	85.	4.83	31.	8.	3.	19.30
+	DIVERSION TO	S67FW	35.	4.83	8.	2.	1.	19.30
+	HYDROGRAPH AT	S67FS	50.	4.83	23.	6.	2.	19.30
+	ROUTED TO	R67K	49.	5.17	23.	6.	2.	19.30

+	2 COMBINED AT	CBH67	125.	5.00	64.	19.	7.	21.30
+	DIVERSION TO	D67BH	81.	5.00	42.	13.	5.	21.30
+	HYDROGRAPH AT	DBH67	44.	5.00	22.	7.	2.	21.30
+	ROUTED TO	RBH8	43.	5.25	22.	7.	2.	21.30
+	HYDROGRAPH AT	SGA6S	25.	4.92	4.	1.	0.	27.66
+	ROUTED TO	R1221S	20.	5.67	4.	1.	0.	27.66
+	HYDROGRAPH AT	12-21	444.	4.67	117.	30.	11.	1.00
+	DIVERSION TO	D1221R	27.	4.67	7.	2.	1.	1.00
+	HYDROGRAPH AT	RET12	417.	4.67	110.	28.	10.	1.00
+	HYDROGRAPH AT	S67FW	35.	4.83	8.	2.	1.	19.30
+	ROUTED TO	R1221W	27.	5.67	8.	2.	1.	19.30
+	3 COMBINED AT	C12-21	417.	4.83	141.	36.	13.	31.35
+	DIVERSION TO	D1221W	100.	4.83	34.	9.	3.	31.35
+	HYDROGRAPH AT	D1221S	163.	4.83	55.	14.	5.	31.35
+	2 COMBINED AT	CBH3	199.	5.00	77.	21.	7.	31.35
+	DIVERSION TO	SBH5S	73.	5.00	24.	6.	2.	31.35
+	HYDROGRAPH AT	SBH5W	126.	5.00	53.	15.	5.	31.35
+	ROUTED TO	RBH9	125.	5.17	53.	15.	5.	31.35
+	HYDROGRAPH AT	D75GA	83.	5.17	48.	17.	6.	27.66
+	ROUTED TO	R75K	80.	5.42	48.	17.	6.	27.66
+	HYDROGRAPH AT	D1221W	100.	4.83	34.	9.	3.	31.35
+	2 COMBINED AT	C75E	162.	5.33	74.	25.	9.	31.35

+	DIVERSION TO	S75GW	47.	5.33	17.	4.	2.	31.35
+	HYDROGRAPH AT	S75GS	115.	5.33	57.	21.	8.	31.35
+	ROUTED TO	R75L	112.	5.58	57.	21.	8.	31.35
+	2 COMBINED AT	CBH75	229.	5.42	106.	35.	13.	31.35
+	DIVERSION TO	D75BH	71.	5.42	33.	11.	4.	31.35
+	HYDROGRAPH AT	DBH75	158.	5.42	73.	24.	9.	31.35
+	ROUTED TO	RBH10	157.	5.58	73.	24.	9.	31.35
+	HYDROGRAPH AT	SGA7S	55.	5.25	21.	5.	2.	30.20
+	ROUTED TO	R1121S	46.	5.75	21.	5.	2.	30.20
+	HYDROGRAPH AT	11-21	374.	4.67	96.	24.	9.	0.99
+	DIVERSION TO	D1121R	90.	4.67	23.	6.	2.	0.99
+	HYDROGRAPH AT	RET11	284.	4.67	73.	18.	7.	0.99
+	HYDROGRAPH AT	S75GW	47.	5.33	17.	4.	2.	31.35
+	ROUTED TO	R1121W	45.	5.75	17.	4.	2.	31.35
+	3 COMBINED AT	C11-21	291.	5.50	133.	35.	13.	34.87
+	DIVERSION TO	D1121W	50.	5.50	22.	6.	2.	34.87
+	HYDROGRAPH AT	D1121S	117.	5.50	52.	14.	5.	34.87
+	2 COMBINED AT	CBH4	269.	5.50	122.	37.	14.	34.87
+	DIVERSION TO	SBH6S	54.	5.50	23.	6.	2.	34.87
+	HYDROGRAPH AT	SBH6W	215.	5.50	99.	32.	11.	34.87
+	ROUTED TO	RBH11	214.	5.67	99.	32.	11.	34.87
+	HYDROGRAPH AT	D83GA	0.	5.25	0.	0.	0.	30.20

+	ROUTED TO	R83J	0.	5.75	0.	0.	0.	30.20
+	HYDROGRAPH AT	D1121W	50.	5.50	22.	6.	2.	34.87
+	2 COMBINED AT	C83E	50.	5.50	22.	6.	2.	34.87
+	DIVERSION TO	S83FW	12.	5.50	3.	1.	0.	34.87
+	HYDROGRAPH AT	S83FS	38.	5.50	19.	5.	2.	34.87
+	ROUTED TO	R83K	37.	5.75	19.	5.	2.	34.87
+	2 COMBINED AT	CBH83	251.	5.67	118.	37.	13.	34.87
+	DIVERSION TO	D83BH	113.	5.67	55.	17.	6.	34.87
+	HYDROGRAPH AT	DBH83	138.	5.67	63.	19.	7.	34.87
+	ROUTED TO	RBH12	135.	6.00	62.	19.	7.	34.87
+	HYDROGRAPH AT	SGA8S	0.	5.42	0.	0.	0.	34.46
+	ROUTED TO	R1021S	0.	6.08	0.	0.	0.	34.46
+	HYDROGRAPH AT	10-21	341.	4.67	91.	23.	8.	0.98
+	DIVERSION TO	D1021R	99.	4.67	26.	7.	2.	0.98
+	HYDROGRAPH AT	RET10	242.	4.67	64.	16.	6.	0.98
+	HYDROGRAPH AT	S83FW	12.	5.50	3.	1.	0.	34.87
+	ROUTED TO	R1021W	11.	6.17	3.	1.	0.	34.87
+	3 COMBINED AT	C10-21	242.	4.83	81.	20.	7.	43.32
+	DIVERSION TO	D1021W	49.	4.83	16.	4.	1.	43.32
+	HYDROGRAPH AT	D1021S	65.	4.83	21.	5.	2.	43.32
+	HYDROGRAPH AT	D91GA	21.	7.58	4.	1.	0.	34.46
+	ROUTED TO	R91G	16.	7.92	4.	1.	0.	34.46

+	HYDROGRAPH AT	D1021W	49.	4.83	16.	4.	1.	43.32
+	2 COMBINED AT	C91D	49.	4.83	18.	5.	2.	43.32
+	DIVERSION TO	S91DW	21.	4.83	6.	2.	1.	43.32
+	HYDROGRAPH AT	S91DS	28.	4.83	12.	3.	1.	43.32
+	ROUTED TO	R91H	26.	5.25	12.	3.	1.	43.32
+	3 COMBINED AT	CBH5	181.	5.75	88.	26.	10.	43.32
+	ROUTED TO	RES10	54.	7.00	23.	7.	3.	43.32
+	DIVERSION TO	SBH7S	17.	7.00	7.	2.	1.	43.32
+	HYDROGRAPH AT	SBH7W	37.	7.00	16.	5.	2.	43.32
+	DIVERSION TO	D91BH	0.	0.08	0.	0.	0.	43.32
+	HYDROGRAPH AT	DBH91	37.	7.00	16.	5.	2.	43.32
+	ROUTED TO	RBH13	32.	7.67	15.	5.	2.	43.32
+	HYDROGRAPH AT	SGA9S	3.	5.67	0.	0.	0.	35.34
+	ROUTED TO	R921S	1.	6.75	0.	0.	0.	35.34
+	HYDROGRAPH AT	9-21	276.	4.67	67.	17.	6.	0.97
+	HYDROGRAPH AT	S91DW	21.	4.83	6.	2.	1.	43.32
+	ROUTED TO	R921W	17.	5.75	6.	2.	1.	43.32
+	3 COMBINED AT	C9-21	276.	4.83	92.	23.	8.	45.16
+	DIVERSION TO	D921W	37.	4.83	12.	3.	1.	45.16
+	HYDROGRAPH AT	D921S	58.	4.83	18.	5.	2.	45.16
+	HYDROGRAPH AT	D99GA	37.	5.83	7.	2.	1.	35.34
+	ROUTED TO	R99B	34.	6.08	7.	2.	1.	35.34

+	HYDROGRAPH AT	D921W	37.	4.83	12.	3.	1.	45.16
+	2 COMBINED AT	C99A	43.	6.00	17.	4.	2.	45.16
+	DIVERSION TO	S99AW	43.	6.00	17.	4.	2.	45.16
+	HYDROGRAPH AT	S99AS	0.	0.08	0.	0.	0.	45.16
+	ROUTED TO	R99C	0.	0.08	0.	0.	0.	45.16
+	3 COMBINED AT	CBH6	58.	4.83	29.	9.	3.	45.16
+	ROUTED TO	RES9	26.	8.17	13.	4.	2.	45.16
+	DIVERSION TO	SBH8S	0.	7.92	0.	0.	0.	45.16
+	HYDROGRAPH AT	SBH8W	26.	8.17	13.	4.	2.	45.16
+	DIVERSION TO	D99BH	0.	0.08	0.	0.	0.	45.16
+	HYDROGRAPH AT	DBH99	26.	8.17	13.	4.	2.	45.16
+	ROUTED TO	RBH14	24.	8.58	13.	4.	2.	45.16
+	HYDROGRAPH AT	8-21E	135.	4.67	35.	9.	3.	0.51
+	HYDROGRAPH AT	S99AW	43.	6.00	17.	4.	2.	45.16
+	ROUTED TO	R821EW	45.	6.17	16.	4.	2.	45.16
+	2 COMBINED AT	C8-21E	137.	6.17	57.	15.	5.	46.01
+	DIVERSION TO	D821EW	28.	6.17	12.	3.	1.	46.01
+	HYDROGRAPH AT	D821ES	22.	6.17	9.	2.	1.	46.01
+	2 COMBINED AT	CBH7	30.	8.58	17.	6.	2.	46.01
+	ROUTED TO	RES8S	0.	27.58	0.	0.	0.	46.01
+	HYDROGRAPH AT	8-21W	83.	4.58	22.	6.	2.	0.27
+	2 COMBINED AT	C8-21W	18.	4.75	6.	2.	1.	46.29

+	HYDROGRAPH AT	D821EW	28.	6.17	12.	3.	1.	46.01
+	ROUTED TO	RES8N	0.	9.25	0.	0.	0.	46.01
+	3 COMBINED AT	NULL5	3476.	5.42	1843.	575.	228.	1.00
+	HYDROGRAPH AT	D27BH	389.	5.25	118.	30.	11.	21.30
+	ROUTED TO	R27D	381.	5.42	118.	30.	11.	21.30
+	HYDROGRAPH AT	13-22	125.	4.50	36.	9.	3.	0.25
+	HYDROGRAPH AT	14-22	370.	4.67	107.	27.	10.	1.00
+	HYDROGRAPH AT	SD31AS	147.	4.17	108.	29.	11.	3.50
+	2 COMBINED AT	CSD31B	517.	4.67	213.	56.	20.	1.00
+	DIVERSION TO	SD31BS	150.	3.92	118.	33.	12.	1.00
+	HYDROGRAPH AT	SD31B	367.	4.67	95.	24.	9.	1.00
+	DIVERSION TO	D1422W	176.	4.67	46.	11.	4.	1.00
+	HYDROGRAPH AT	D1422E	191.	4.67	49.	12.	4.	1.00
+	3 COMBINED AT	CCB27	690.	5.33	220.	56.	20.	5.04
+	DIVERSION TO	D27CB	690.	5.33	220.	56.	20.	5.04
+	HYDROGRAPH AT	DCB27	0.	0.08	0.	0.	0.	5.04
+	HYDROGRAPH AT	D35BH	530.	5.25	152.	39.	14.	7.10
+	ROUTED TO	R35G	524.	5.42	152.	39.	14.	7.10
+	HYDROGRAPH AT	D1422W	176.	4.67	46.	11.	4.	1.00
+	HYDROGRAPH AT	15-22	338.	4.67	103.	27.	10.	1.00
+	HYDROGRAPH AT	SD39AS	164.	4.17	108.	29.	10.	5.70
+	2 COMBINED AT	CSD39B	502.	4.67	211.	55.	20.	1.00

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+	DIVERSION TO	SD39BS	268.	4.17	166.	44.	16.	1.00
+	HYDROGRAPH AT	SD39B	234.	4.67	44.	11.	4.	1.00
+	DIVERSION TO	D1522W	115.	4.67	22.	5.	2.	1.00
+	HYDROGRAPH AT	D1522E	119.	4.67	23.	6.	2.	1.00
+	4 COMBINED AT	CCB35	619.	5.42	192.	48.	17.	9.14
+	DIVERSION TO	D35CB	619.	5.42	192.	48.	17.	9.14
+	HYDROGRAPH AT	DCB35	0.	0.08	0.	0.	0.	9.14
+	HYDROGRAPH AT	D43BH	165.	5.25	88.	23.	8.	5.70
+	ROUTED TO	R43H	164.	5.42	88.	23.	8.	5.70
+	HYDROGRAPH AT	D1522W	115.	4.67	22.	5.	2.	1.00
+	2 COMBINED AT	C43E	210.	5.17	100.	26.	9.	6.67
+	DIVERSION TO	S43EW	13.	5.17	1.	0.	0.	6.67
+	HYDROGRAPH AT	S43ES	197.	5.17	99.	26.	9.	6.67
+	ROUTED TO	R43I	196.	5.33	99.	26.	9.	6.67
+	HYDROGRAPH AT	D51BH	232.	5.92	110.	30.	11.	10.10
+	ROUTED TO	RGR4	230.	6.17	110.	30.	11.	10.10
+	HYDROGRAPH AT	SBH2S	290.	5.67	112.	29.	10.	10.10
+	ROUTED TO	R1622S	287.	5.83	112.	29.	10.	10.10
+	HYDROGRAPH AT	16-22E	200.	4.67	64.	17.	6.	0.51
+	HYDROGRAPH AT	S43EW	13.	5.17	1.	0.	0.	6.67
+	ROUTED TO	R1622W	9.	5.75	1.	0.	0.	6.67
+	4 COMBINED AT	C1622E	556.	5.92	262.	70.	25.	11.60

+	ROUTED TO	RGR5	554.	6.08	262.	70.	25.	11.60
+	3 COMBINED AT	CCB43	708.	6.00	357.	95.	34.	11.60
+	DIVERSION TO	D43CB	708.	6.00	357.	95.	34.	11.60
+	HYDROGRAPH AT	DCB43	0.	0.08	0.	0.	0.	11.60
+	HYDROGRAPH AT	16-22W	546.	4.17	71.	18.	6.	0.48
+	DIVERSION TO	D1622W	388.	4.17	50.	13.	5.	0.48
+	HYDROGRAPH AT	D1622S	158.	4.17	21.	5.	2.	0.48
+	2 COMBINED AT	CCB1	75.	4.17	16.	4.	1.	12.00
+	DIVERSION TO	SCB1S	36.	4.17	5.	1.	0.	12.00
+	HYDROGRAPH AT	SCB1W	39.	4.17	12.	3.	1.	12.00
+	ROUTED TO	RCB1	35.	4.75	12.	3.	1.	12.00
+	HYDROGRAPH AT	D1622W	388.	4.17	50.	13.	5.	0.48
+	DIVERSION TO	S51FW	177.	4.17	17.	4.	2.	0.48
+	HYDROGRAPH AT	S51FS	211.	4.17	33.	8.	3.	0.48
+	ROUTED TO	R51J	190.	4.33	33.	8.	3.	0.48
+	2 COMBINED AT	CCB51	128.	4.50	41.	10.	4.	12.00
+	DIVERSION TO	D51CB	63.	4.50	20.	5.	2.	12.00
+	HYDROGRAPH AT	DCB51	65.	4.50	21.	5.	2.	12.00
+	ROUTED TO	RCB2	63.	4.75	21.	5.	2.	12.00
+	HYDROGRAPH AT	SBH3S	85.	4.17	16.	4.	1.	15.10
+	ROUTED TO	R1722S	70.	4.67	15.	4.	1.	15.10
+	HYDROGRAPH AT	17-22	593.	4.42	127.	32.	12.	1.02

+	HYDROGRAPH AT	S51FW	177.	4.17	17.	4.	2.	0.48
+	ROUTED TO	R1722W	135.	4.67	17.	4.	2.	0.48
+	3 COMBINED AT	C17-22	593.	4.67	147.	39.	14.	16.10
+	DIVERSION TO	D1722W	128.	4.67	36.	9.	3.	16.10
+	HYDROGRAPH AT	D1722S	314.	4.67	87.	23.	8.	16.10
+	2 COMBINED AT	CCB2	363.	4.67	106.	28.	10.	18.10
+	DIVERSION TO	SCB2S	228.	4.67	56.	14.	5.	18.10
+	HYDROGRAPH AT	SCB2W	135.	4.67	50.	14.	5.	18.10
+	ROUTED TO	RCB3	132.	4.92	50.	14.	5.	18.10
+	HYDROGRAPH AT	D59BH	94.	4.42	29.	10.	4.	15.10
+	ROUTED TO	R59J	89.	4.58	29.	10.	4.	15.10
+	HYDROGRAPH AT	D1722W	128.	4.67	36.	9.	3.	16.10
+	2 COMBINED AT	C59E	216.	4.67	61.	19.	7.	16.10
+	DIVERSION TO	S59FW	117.	4.67	22.	6.	2.	16.10
+	HYDROGRAPH AT	S59FS	100.	4.67	39.	14.	5.	16.10
+	ROUTED TO	R59K	97.	4.83	39.	14.	5.	16.10
+	2 COMBINED AT	CCB59	226.	4.83	88.	27.	10.	18.10
+	DIVERSION TO	D59CB	124.	4.83	52.	17.	6.	18.10
+	HYDROGRAPH AT	DCB59	102.	4.83	36.	10.	3.	18.10
+	ROUTED TO	RCB4	99.	5.08	35.	10.	3.	18.10
+	HYDROGRAPH AT	SBH4S	126.	4.75	30.	8.	3.	25.80
+	ROUTED TO	R1822S	119.	5.17	30.	8.	3.	25.80

+	HYDROGRAPH AT	18-22	448.	4.67	130.	33.	12.	0.97
+	HYDROGRAPH AT	S59FW	117.	4.67	22.	6.	2.	16.10
+	ROUTED TO	R1822W	107.	5.08	22.	6.	2.	16.10
+	3 COMBINED AT	C18-22	488.	5.08	151.	39.	14.	23.80
+	DIVERSION TO	D1822W	215.	5.08	66.	17.	6.	23.80
+	HYDROGRAPH AT	D1822S	274.	5.08	84.	22.	8.	23.80
+	2 COMBINED AT	CCB3	362.	5.08	118.	31.	11.	25.30
+	DIVERSION TO	SCB3S	203.	5.08	59.	15.	5.	25.30
+	HYDROGRAPH AT	SCB3W	159.	5.08	59.	16.	6.	25.30
+	ROUTED TO	RCB5	155.	5.25	58.	16.	6.	25.30
+	HYDROGRAPH AT	D67BH	81.	5.00	42.	13.	5.	21.30
+	ROUTED TO	R67L	80.	5.33	41.	13.	5.	21.30
+	HYDROGRAPH AT	D1822W	215.	5.08	66.	17.	6.	23.80
+	2 COMBINED AT	C67F	263.	5.08	101.	27.	10.	37.08
+	DIVERSION TO	S67GW	149.	5.08	45.	11.	4.	37.08
+	HYDROGRAPH AT	S67GS	114.	5.08	55.	16.	6.	37.08
+	ROUTED TO	R67M	111.	5.33	55.	16.	6.	37.08
+	2 COMBINED AT	CCB67	275.	5.25	115.	33.	12.	25.30
+	DIVERSION TO	D67CB	126.	5.25	53.	15.	5.	25.30
+	HYDROGRAPH AT	DCB67	148.	5.25	62.	18.	6.	25.30
+	ROUTED TO	RCB6	147.	5.42	62.	18.	6.	25.30
+	HYDROGRAPH AT	SBH5S	73.	5.00	24.	6.	2.	31.35

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+	ROUTED TO	R1321S	64.	5.83	24.	6.	2.	31.35
+	HYDROGRAPH AT	13-21	442.	4.67	121.	31.	11.	1.00
+	HYDROGRAPH AT	S67GW	149.	5.08	45.	11.	4.	37.08
+	ROUTED TO	R1321W	132.	5.67	45.	11.	4.	37.08
+	3 COMBINED AT	C13-21	442.	5.42	177.	45.	16.	37.08
+	DIVERSION TO	D1321W	121.	5.42	52.	13.	5.	37.08
+	HYDROGRAPH AT	D1321S	224.	5.42	97.	25.	9.	37.08
+	2 COMBINED AT	CCB4	358.	5.42	156.	42.	15.	37.08
+	DIVERSION TO	SCB4S	202.	5.42	84.	21.	8.	37.08
+	HYDROGRAPH AT	SCB4W	156.	5.42	72.	21.	7.	37.08
+	ROUTED TO	RCB7	154.	5.67	72.	21.	7.	37.08
+	HYDROGRAPH AT	D75BH	71.	5.42	33.	11.	4.	31.35
+	ROUTED TO	R75M	70.	5.67	33.	11.	4.	31.35
+	HYDROGRAPH AT	D1321W	121.	5.42	52.	13.	5.	37.08
+	2 COMBINED AT	C75F	180.	5.58	79.	23.	8.	40.90
+	DIVERSION TO	S75HW	180.	5.58	79.	23.	8.	40.90
+	HYDROGRAPH AT	S75HS	0.	0.08	0.	0.	0.	40.90
+	ROUTED TO	R75N	0.	0.08	0.	0.	0.	40.90
+	2 COMBINED AT	CCB75	154.	5.67	72.	21.	7.	37.08
+	DIVERSION TO	D75CB	100.	5.67	47.	13.	5.	37.08
+	HYDROGRAPH AT	DCB75	54.	5.67	25.	7.	3.	37.08
+	ROUTED TO	RCB8	53.	5.83	25.	7.	3.	37.08

+	HYDROGRAPH AT	SBH6S	54.	5.50	23.	6.	2.	34.87
+	ROUTED TO	R1421S	53.	5.75	23.	6.	2.	34.87
+	HYDROGRAPH AT	S75HW	180.	5.58	79.	23.	8.	40.90
+	ROUTED TO	R1421W	179.	5.75	79.	23.	8.	40.90
+	HYDROGRAPH AT	14-21E	186.	4.58	47.	12.	4.	0.43
+	DIVERSION TO	D1421R	60.	4.58	6.	2.	1.	0.43
+	HYDROGRAPH AT	RET14E	165.	4.83	41.	10.	4.	0.43
+	3 COMBINED AT	C1421E	269.	5.58	120.	34.	12.	41.03
+	DIVERSION TO	D1421X	52.	5.58	19.	5.	2.	41.03
+	HYDROGRAPH AT	D1421E	216.	5.58	100.	29.	10.	41.03
+	HYDROGRAPH AT	14-21W	387.	4.50	69.	17.	6.	0.56
+	DIVERSION TO	D1421P	128.	4.33	7.	2.	1.	0.56
+	HYDROGRAPH AT	RET14W	387.	4.50	61.	15.	6.	0.56
+	2 COMBINED AT	C1421W	305.	4.83	133.	38.	14.	41.59
+	DIVERSION TO	D1421W	153.	4.83	67.	19.	7.	41.59
+	HYDROGRAPH AT	D1421S	153.	4.83	67.	19.	7.	41.59
+	2 COMBINED AT	CCB5	185.	5.25	91.	26.	9.	41.59
+	DIVERSION TO	SCB5S	91.	5.25	37.	9.	3.	41.59
+	HYDROGRAPH AT	SCB5W	95.	5.25	54.	17.	6.	41.59
+	ROUTED TO	RCB9	94.	5.50	54.	17.	6.	41.59
+	HYDROGRAPH AT	D1421X	52.	5.58	19.	5.	2.	41.03
+	ROUTED TO	RES14E	0.	8.58	0.	0.	0.	41.03

+	HYDROGRAPH AT	D83BH	113.	5.67	55.	17.	6.	34.87
+	ROUTED TO	R83L	112.	5.92	55.	17.	6.	34.87
+	HYDROGRAPH AT	D1421W	153.	4.83	67.	19.	7.	41.59
+	3 COMBINED AT	C83F	236.	5.50	117.	35.	13.	41.59
+	DIVERSION TO	S83GW	80.	5.50	39.	10.	4.	41.59
+	HYDROGRAPH AT	S83GS	156.	5.50	78.	25.	9.	41.59
+	ROUTED TO	R83M	156.	5.67	78.	25.	9.	41.59
+	2 COMBINED AT	CCB83	249.	5.58	132.	42.	15.	41.59
+	DIVERSION TO	D83CB	90.	5.58	48.	15.	6.	41.59
+	HYDROGRAPH AT	DCB83	159.	5.58	85.	27.	10.	41.59
+	ROUTED TO	RCB10	159.	5.75	85.	27.	10.	41.59
+	HYDROGRAPH AT	SBH7S	17.	7.00	7.	2.	1.	43.32
+	ROUTED TO	R1521S	14.	7.67	7.	2.	1.	43.32
+	HYDROGRAPH AT	15-21	379.	4.67	102.	26.	9.	1.01
+	DIVERSION TO	D15	46.	4.67	12.	3.	1.	1.01
+	HYDROGRAPH AT	RET15	334.	4.67	90.	23.	8.	1.01
+	HYDROGRAPH AT	S83GW	80.	5.50	39.	10.	4.	41.59
+	ROUTED TO	R1521W	80.	5.75	38.	10.	4.	41.59
+	3 COMBINED AT	C15-21	338.	5.00	150.	42.	15.	48.80
+	DIVERSION TO	D1521W	76.	5.17	32.	9.	3.	48.80
+	HYDROGRAPH AT	D1521S	142.	5.17	60.	16.	6.	48.80
+	2 COMBINED AT	CCB6	276.	5.42	141.	42.	15.	48.80

+	DIVERSION TO	SCB6S	102.	5.42	47.	12.	4.	48.80
+	HYDROGRAPH AT	SCB6W	175.	5.42	93.	30.	11.	48.80
+	ROUTED TO	RCB11	174.	5.58	93.	30.	11.	48.80
+	HYDROGRAPH AT	D91BH	0.	0.08	0.	0.	0.	43.32
+	HYDROGRAPH AT	D1521W	76.	5.17	32.	9.	3.	48.80
+	2 COMBINED AT	C91E	76.	5.17	32.	9.	3.	48.80
+	DIVERSION TO	S91EW	18.	5.17	3.	1.	0.	48.80
+	HYDROGRAPH AT	S91ES	59.	5.08	29.	8.	3.	48.80
+	ROUTED TO	R91J	58.	5.50	29.	8.	3.	48.80
+	2 COMBINED AT	CCB91	231.	5.58	122.	38.	14.	48.80
+	DIVERSION TO	D91CB	132.	5.58	69.	21.	8.	48.80
+	HYDROGRAPH AT	DCB91	99.	5.58	52.	16.	6.	48.80
+	ROUTED TO	RCB12	99.	5.75	52.	16.	6.	48.80
+	HYDROGRAPH AT	SBH8S	0.	7.92	0.	0.	0.	45.16
+	ROUTED TO	R1621S	0.	9.00	0.	0.	0.	45.16
+	HYDROGRAPH AT	16-21	370.	4.67	94.	24.	8.	1.02
+	HYDROGRAPH AT	S91EW	18.	5.17	3.	1.	0.	48.80
+	ROUTED TO	R1621W	14.	6.17	3.	1.	0.	48.80
+	3 COMBINED AT	C16-21	370.	4.83	117.	29.	11.	50.64
+	DIVERSION TO	D1621W	71.	4.83	21.	5.	2.	50.64
+	HYDROGRAPH AT	D1621S	107.	4.83	32.	8.	3.	50.64
+	2 COMBINED AT	CCB7	171.	5.33	82.	24.	9.	50.64

+	DIVERSION TO	SCB7S	40.	5.33	16.	4.	1.	50.64
+	HYDROGRAPH AT	SCB7W	132.	5.33	66.	20.	7.	50.64
+	ROUTED TO	RCB13	130.	5.50	66.	20.	7.	50.64
+	HYDROGRAPH AT	D99BH	0.	0.08	0.	0.	0.	45.16
+	HYDROGRAPH AT	D1621W	71.	4.83	21.	5.	2.	50.64
+	2 COMBINED AT	C99B	71.	4.83	21.	5.	2.	50.64
+	DIVERSION TO	S99BW	18.	4.83	3.	1.	0.	50.64
+	HYDROGRAPH AT	S99BS	53.	4.83	18.	5.	2.	50.64
+	ROUTED TO	R99E	52.	5.08	18.	5.	2.	50.64
+	2 COMBINED AT	CCB99	178.	5.42	83.	25.	9.	50.64
+	DIVERSION TO	D99CB	61.	5.42	28.	8.	3.	50.64
+	HYDROGRAPH AT	DCB99	117.	5.42	55.	16.	6.	50.64
+	ROUTED TO	RCB14	117.	5.67	55.	16.	6.	50.64
+	HYDROGRAPH AT	17-21E	183.	4.75	57.	14.	5.	0.70
+	HYDROGRAPH AT	S99BW	18.	4.83	3.	1.	0.	50.64
+	ROUTED TO	R1721W	13.	5.83	3.	1.	0.	50.64
+	2 COMBINED AT	C1721E	184.	5.50	71.	18.	6.	51.34
+	DIVERSION TO	D1721W	14.	4.92	5.	1.	0.	51.34
+	HYDROGRAPH AT	D1721S	51.	4.92	19.	5.	2.	51.34
+	2 COMBINED AT	CCB8	162.	5.50	73.	21.	8.	51.34
+	DIVERSION TO	SCB8S	58.	5.50	24.	6.	2.	51.34
+	HYDROGRAPH AT	SCB8W	104.	5.50	49.	15.	6.	51.34

+	ROUTED TO	RCB15	103.	5.75	49.	15.	6.	51.34
+	HYDROGRAPH AT	D1721W	14.	4.92	5.	1.	0.	51.34
+	2 COMBINED AT	CCB107	114.	5.75	53.	16.	6.	51.65
+	DIVERSION TO	D107CB	51.	5.75	24.	7.	3.	51.65
+	HYDROGRAPH AT	DCB107	63.	5.75	29.	9.	3.	51.65
+	HYDROGRAPH AT	17-21W	63.	4.75	21.	5.	2.	0.31
+	ROUTED TO	R1821W	56.	5.75	21.	5.	2.	0.31
+	HYDROGRAPH AT	18-21	114.	4.67	32.	8.	3.	0.54
+	3 COMBINED AT	C18-21	71.	5.75	35.	11.	4.	52.19
+	2 COMBINED AT	NULL6	3696.	5.42	1943.	604.	238.	1.00
+	HYDROGRAPH AT	23-22	453.	4.67	130.	33.	12.	0.99
+	HYDROGRAPH AT	SD31BS	150.	3.92	118.	33.	12.	1.00
+	2 COMBINED AT	CSD31C	603.	4.67	248.	66.	24.	0.99
+	DIVERSION TO	SD31CS	251.	4.00	177.	48.	17.	0.99
+	HYDROGRAPH AT	SD31C	352.	4.67	71.	18.	6.	0.99
+	DIVERSION TO	D2322W	207.	4.67	42.	10.	4.	0.99
+	HYDROGRAPH AT	D2322E	144.	4.67	29.	7.	3.	0.99
+	HYDROGRAPH AT	D27CB	690.	5.33	220.	56.	20.	5.04
+	ROUTED TO	R27E	684.	5.42	220.	56.	20.	5.04
+	HYDROGRAPH AT	24-22	164.	4.33	39.	10.	4.	0.22
+	3 COMBINED AT	CIS27	774.	5.42	269.	69.	25.	6.25
+	DIVERSION TO	D27IS	774.	5.42	269.	69.	25.	6.25

+	HYDROGRAPH AT	DIS27	0.	0.08	0.	0.	0.	6.25
+	HYDROGRAPH AT	D35CB	619.	5.42	192.	48.	17.	9.14
+	ROUTED TO	R35H	617.	5.42	191.	48.	17.	9.14
+	HYDROGRAPH AT	D2322W	207.	4.67	42.	10.	4.	0.99
+	2 COMBINED AT	C35D	690.	5.42	217.	55.	20.	10.13
+	ROUTED TO	R35I	687.	5.50	217.	55.	20.	10.13
+	2 COMBINED AT	CIS35	688.	5.50	217.	55.	20.	10.10
+	HYDROGRAPH AT	D43CB	708.	6.00	357.	95.	34.	11.60
+	DIVERSION TO	SD43AS	165.	4.50	148.	43.	15.	11.60
+	HYDROGRAPH AT	SD43A	543.	6.00	209.	52.	19.	11.60
+	ROUTED TO	RGR6	541.	6.08	209.	52.	19.	11.60
+	HYDROGRAPH AT	22-22E	272.	4.50	68.	17.	6.	0.53
+	HYDROGRAPH AT	SD39BS	268.	4.17	166.	44.	16.	1.00
+	3 COMBINED AT	C2222E	845.	5.92	416.	109.	39.	12.10
+	DIVERSION TO	SD39CS	268.	4.08	214.	58.	21.	12.10
+	HYDROGRAPH AT	SD39C	577.	5.92	202.	51.	18.	12.10
+	ROUTED TO	RGR7	575.	6.00	202.	51.	18.	12.10
+	2 COMBINED AT	CIS35A	1118.	5.58	388.	98.	35.	15.60
+	DIVERSION TO	D35IS	704.	5.58	254.	63.	23.	15.60
+	HYDROGRAPH AT	DIS35	413.	5.58	134.	34.	12.	15.60
+	DIVERSION TO	SIS1AS	413.	5.58	134.	34.	12.	15.60
+	HYDROGRAPH AT	SIS1AW	0.	0.08	0.	0.	0.	15.60

+	HYDROGRAPH AT	22-22W	555.	4.17	70.	18.	6.	0.47
+	DIVERSION TO	D2222W	78.	4.17	10.	2.	1.	0.47
+	HYDROGRAPH AT	D2222S	478.	4.17	60.	15.	5.	0.47
+	HYDROGRAPH AT	SD39CS	268.	4.08	214.	58.	21.	12.10
+	3 COMBINED AT	C2222W	478.	4.17	257.	71.	25.	16.00
+	DIVERSION TO	SIS1S	415.	4.17	251.	69.	25.	16.00
+	HYDROGRAPH AT	SIS1W	63.	4.17	6.	2.	1.	16.00
+	ROUTED TO	RIS1	55.	4.42	6.	2.	1.	16.00
+	HYDROGRAPH AT	D2222W	78.	4.17	10.	2.	1.	0.47
+	HYDROGRAPH AT	SD43AS	165.	4.50	148.	43.	15.	11.60
+	2 COMBINED AT	CSD43A	190.	4.42	154.	45.	16.	16.00
+	DIVERSION TO	S43FW	16.	4.42	9.	2.	1.	16.00
+	HYDROGRAPH AT	S43FS	173.	4.42	145.	43.	15.	16.00
+	ROUTED TO	R43J	169.	4.75	144.	43.	15.	16.00
+	2 COMBINED AT	CIS43	210.	4.67	151.	44.	16.	16.00
+	DIVERSION TO	D43IS	165.	4.67	128.	38.	14.	16.00
+	HYDROGRAPH AT	DIS43	45.	4.67	23.	6.	2.	16.00
+	ROUTED TO	RIS2	40.	5.17	23.	6.	2.	16.00
+	HYDROGRAPH AT	SCB1S	36.	4.17	5.	1.	0.	12.00
+	ROUTED TO	R2122S	25.	4.92	5.	1.	0.	12.00
+	HYDROGRAPH AT	21-22	363.	4.58	101.	26.	9.	1.00
+	HYDROGRAPH AT	S43FW	16.	4.42	9.	2.	1.	16.00

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+	ROUTED TO	R2122W	13.	5.58	9.	2.	1.	16.00
+	3 COMBINED AT	C21-22	364.	4.75	111.	29.	10.	13.50
+	DIVERSION TO	D2122W	70.	4.83	24.	6.	2.	13.50
+	HYDROGRAPH AT	D2122S	179.	4.83	61.	16.	6.	13.50
+	2 COMBINED AT	CIS1	199.	5.00	78.	21.	8.	17.50
+	DIVERSION TO	SIS2SA	99.	5.00	39.	11.	4.	17.50
+	HYDROGRAPH AT	SIS2WA	99.	5.00	39.	11.	4.	17.50
+	DIVERSION TO	SIS2S	35.	5.00	5.	1.	0.	17.50
+	HYDROGRAPH AT	SIS2W	64.	5.00	34.	9.	3.	17.50
+	ROUTED TO	RIS3	63.	5.33	34.	9.	3.	17.50
+	HYDROGRAPH AT	D51CB	63.	4.50	20.	5.	2.	12.00
+	ROUTED TO	R51K	60.	4.67	20.	5.	2.	12.00
+	HYDROGRAPH AT	D2122W	70.	4.83	24.	6.	2.	13.50
+	2 COMBINED AT	C51E	128.	4.75	43.	11.	4.	13.50
+	DIVERSION TO	S51GW	35.	4.75	5.	1.	0.	13.50
+	HYDROGRAPH AT	S51GS	93.	4.75	38.	10.	4.	13.50
+	ROUTED TO	R51L	91.	5.00	38.	10.	4.	13.50
+	2 COMBINED AT	CIS51	150.	5.08	70.	20.	7.	17.50
+	DIVERSION TO	D51IS	150.	5.08	70.	20.	7.	17.50
+	HYDROGRAPH AT	DIS51	0.	0.08	0.	0.	0.	17.50
+	ROUTED TO	RIS4	0.	0.08	0.	0.	0.	17.50
+	HYDROGRAPH AT	SCB2S	228.	4.67	56.	14.	5.	18.10

+	ROUTED TO	R2022S	215.	5.08	56.	14.	5.	18.10
+	HYDROGRAPH AT	20-22	395.	4.67	118.	30.	11.	1.01
+	HYDROGRAPH AT	S51GW	35.	4.75	5.	1.	0.	13.50
+	ROUTED TO	R2022W	23.	5.92	5.	1.	0.	13.50
+	3 COMBINED AT	C20-22	436.	5.00	146.	37.	13.	20.50
+	DIVERSION TO	D2022W	170.	5.00	57.	15.	5.	20.50
+	HYDROGRAPH AT	D2022S	266.	5.00	89.	23.	8.	20.50
+	2 COMBINED AT	CIS2	255.	5.00	86.	22.	8.	24.50
+	DIVERSION TO	SIS3S	140.	5.00	37.	9.	3.	24.50
+	HYDROGRAPH AT	SIS3W	114.	5.00	49.	13.	5.	24.50
+	ROUTED TO	RIS5	114.	5.17	49.	13.	5.	24.50
+	HYDROGRAPH AT	D59CB	124.	4.83	52.	17.	6.	18.10
+	ROUTED TO	R59L	122.	5.08	52.	17.	6.	18.10
+	HYDROGRAPH AT	D2022W	170.	5.00	57.	15.	5.	20.50
+	2 COMBINED AT	C59F	289.	5.00	109.	32.	11.	20.50
+	DIVERSION TO	S59GW	133.	5.00	29.	7.	3.	20.50
+	HYDROGRAPH AT	S59GS	156.	5.00	79.	24.	9.	20.50
+	ROUTED TO	R59M	155.	5.17	79.	24.	9.	20.50
+	2 COMBINED AT	CIS59	264.	5.17	128.	36.	13.	24.50
+	DIVERSION TO	D59IS	264.	5.17	128.	36.	13.	24.50
+	HYDROGRAPH AT	DIS59	0.	0.08	0.	0.	0.	24.50
+	ROUTED TO	RIS6	0.	0.08	0.	0.	0.	24.50

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+	HYDROGRAPH AT	SCB3S	203.	5.08	59.	15.	5.	25.30
+	ROUTED TO	R1922S	191.	5.58	59.	15.	5.	25.30
+	HYDROGRAPH AT	19-22	416.	4.67	116.	30.	11.	0.94
+	ROUTED TO	PAGC	396.	4.83	116.	30.	11.	0.94
+	HYDROGRAPH AT	S59GW	133.	5.00	29.	7.	3.	20.50
+	ROUTED TO	R1922W	120.	5.50	29.	7.	3.	20.50
+	3 COMBINED AT	C19-22	478.	5.42	165.	42.	15.	28.70
+	DIVERSION TO	D1922W	210.	5.42	73.	19.	7.	28.70
+	HYDROGRAPH AT	D1922S	268.	5.42	92.	24.	9.	28.70
+	2 COMBINED AT	CIS3	257.	5.50	90.	23.	8.	32.70
+	DIVERSION TO	SIS4S	232.	5.50	68.	17.	6.	32.70
+	HYDROGRAPH AT	SIS4W	26.	5.25	22.	6.	2.	32.70
+	HYDROGRAPH AT	D67CB	126.	5.25	53.	15.	5.	25.30
+	ROUTED TO	R67N	124.	5.42	53.	15.	5.	25.30
+	HYDROGRAPH AT	D1922W	210.	5.42	73.	19.	7.	28.70
+	2 COMBINED AT	C67G	331.	5.42	125.	33.	12.	28.70
+	DIVERSION TO	S67HW	331.	5.42	125.	33.	12.	28.70
+	HYDROGRAPH AT	S67HS	0.	0.08	0.	0.	0.	28.70
+	2 COMBINED AT	CIS67	26.	5.25	22.	6.	2.	28.70
+	DIVERSION TO	D67IS	26.	5.25	22.	6.	2.	28.70
+	HYDROGRAPH AT	DIS67	0.	0.08	0.	0.	0.	28.70
+	HYDROGRAPH AT	S67HW	331.	5.42	125.	33.	12.	28.70

+	ROUTED TO	R2421W	309.	6.17	124.	33.	12.	28.70
+	HYDROGRAPH AT	24-21N	298.	4.42	59.	15.	5.	0.41
+	HYDROGRAPH AT	SCB4S	202.	5.42	84.	21.	8.	37.08
+	ROUTED TO	R2421S	201.	5.67	84.	21.	8.	37.08
+	3 COMBINED AT	C2421N	473.	6.00	232.	62.	22.	40.90
+	ROUTED TO	RES24N	0.	14.17	0.	0.	0.	40.90
+	HYDROGRAPH AT	24-21S	622.	4.25	90.	23.	8.	0.61
+	2 COMBINED AT	C2421S	284.	4.33	64.	16.	6.	41.52
+	DIVERSION TO	D2421W	60.	4.33	14.	3.	1.	41.52
+	HYDROGRAPH AT	D2421S	224.	4.33	51.	13.	5.	41.52
+	2 COMBINED AT	CIS5	224.	4.33	51.	13.	5.	41.52
+	DIVERSION TO	SIS5S	111.	4.33	19.	5.	2.	41.52
+	HYDROGRAPH AT	SIS5W	113.	4.33	32.	8.	3.	41.52
+	ROUTED TO	RIS8	109.	4.58	32.	8.	3.	41.52
+	HYDROGRAPH AT	D75CB	100.	5.67	47.	13.	5.	37.08
+	HYDROGRAPH AT	D2421W	60.	4.33	14.	3.	1.	41.52
+	2 COMBINED AT	C75F1	104.	5.58	58.	17.	6.	41.52
+	DIVERSION TO	S75IW	53.	5.58	21.	5.	2.	41.52
+	HYDROGRAPH AT	S75IS	51.	5.58	37.	11.	4.	41.52
+	ROUTED TO	R75O	51.	5.75	37.	11.	4.	41.52
+	2 COMBINED AT	CIS75	155.	4.58	66.	20.	7.	41.52
+	DIVERSION TO	D75IS	144.	4.58	61.	18.	7.	41.52

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+	HYDROGRAPH AT	DIS75	11.	4.58	4.	1.	0.	41.52
+	ROUTED TO	RIS9	9.	5.00	4.	1.	0.	41.52
+	HYDROGRAPH AT	SCB5S	91.	5.25	37.	9.	3.	41.59
+	ROUTED TO	R2321S	86.	5.92	37.	9.	3.	41.59
+	HYDROGRAPH AT	23-21	448.	4.67	124.	32.	11.	0.99
+	HYDROGRAPH AT	S75IW	53.	5.58	21.	5.	2.	41.52
+	ROUTED TO	R2321W	50.	6.25	21.	5.	2.	41.52
+	3 COMBINED AT	C23-21	450.	5.33	196.	51.	18.	47.02
+	DIVERSION TO	D2321W	124.	5.33	58.	15.	5.	47.02
+	HYDROGRAPH AT	D2321S	164.	5.33	77.	20.	7.	47.02
+	2 COMBINED AT	CIS6	172.	5.17	81.	21.	8.	47.02
+	DIVERSION TO	SIS6S	86.	5.17	26.	7.	2.	47.02
+	HYDROGRAPH AT	SIS6W	87.	5.17	55.	15.	5.	47.02
+	ROUTED TO	RIS10	87.	5.42	54.	15.	5.	47.02
+	HYDROGRAPH AT	D83CB	90.	5.58	48.	15.	6.	41.59
+	ROUTED TO	R83N	89.	5.83	48.	15.	6.	41.59
+	HYDROGRAPH AT	D2321W	124.	5.33	58.	15.	5.	47.02
+	2 COMBINED AT	C83G	201.	5.50	102.	30.	11.	47.02
+	DIVERSION TO	S83HW	3.	5.42	1.	0.	0.	47.02
+	HYDROGRAPH AT	S83HS	198.	5.50	100.	29.	11.	47.02
+	ROUTED TO	R83O	197.	5.67	100.	29.	11.	47.02
+	2 COMBINED AT	CIS83	283.	5.58	154.	44.	16.	47.02

+	DIVERSION TO	D83IS	228.	5.58	140.	41.	15.	47.02
+	HYDROGRAPH AT	DIS83	56.	5.58	13.	3.	1.	47.02
+	ROUTED TO	RIS11	52.	5.83	13.	3.	1.	47.02
+	HYDROGRAPH AT	SCB6S	102.	5.42	47.	12.	4.	48.80
+	ROUTED TO	R2221S	99.	5.92	47.	12.	4.	48.80
+	HYDROGRAPH AT	22-21	459.	4.67	129.	33.	12.	1.00
+	HYDROGRAPH AT	S83HW	3.	5.42	1.	0.	0.	47.02
+	ROUTED TO	R2221W	2.	6.33	1.	0.	0.	47.02
+	3 COMBINED AT	C22-21	461.	5.33	197.	54.	20.	55.24
+	DIVERSION TO	D2221W	158.	5.42	73.	20.	7.	55.24
+	HYDROGRAPH AT	D2221S	119.	5.42	55.	15.	5.	55.24
+	2 COMBINED AT	CIS7	151.	5.58	66.	18.	6.	55.24
+	DIVERSION TO	SIS7S	58.	5.58	16.	4.	1.	55.24
+	HYDROGRAPH AT	SIS7W	94.	5.58	50.	14.	5.	55.24
+	ROUTED TO	RIS12	93.	5.83	50.	14.	5.	55.24
+	HYDROGRAPH AT	D91CB	132.	5.58	69.	21.	8.	48.80
+	ROUTED TO	R91K	131.	5.75	69.	21.	8.	48.80
+	HYDROGRAPH AT	D2221W	158.	5.42	73.	20.	7.	55.24
+	2 COMBINED AT	C91F	278.	5.50	138.	40.	15.	55.24
+	DIVERSION TO	S91FW	149.	5.50	70.	18.	6.	55.24
+	HYDROGRAPH AT	S91FS	129.	5.50	68.	22.	8.	55.24
+	ROUTED TO	R91L	127.	5.75	68.	22.	8.	55.24

+	2 COMBINED AT	CIS91	220.	5.75	118.	36.	13.	55.24
+	DIVERSION TO	D91IS	174.	5.75	108.	34.	12.	55.24
+	HYDROGRAPH AT	DIS91	46.	5.75	9.	2.	1.	55.24
+	ROUTED TO	RIS13	42.	6.08	9.	2.	1.	55.24
+	HYDROGRAPH AT	SCB7S	40.	5.33	16.	4.	1.	50.64
+	ROUTED TO	R2121S	36.	6.17	16.	4.	1.	50.64
+	HYDROGRAPH AT	21-21	370.	4.67	89.	22.	8.	1.01
+	HYDROGRAPH AT	S91FW	149.	5.50	70.	18.	6.	55.24
+	ROUTED TO	R2121W	145.	5.92	69.	18.	6.	55.24
+	3 COMBINED AT	C21-21	370.	5.50	170.	45.	16.	59.10
+	DIVERSION TO	D2121W	138.	5.50	67.	17.	6.	59.10
+	HYDROGRAPH AT	D2121S	122.	5.50	59.	15.	6.	59.10
+	2 COMBINED AT	CIS8	151.	5.83	68.	17.	6.	59.10
+	DIVERSION TO	SIS8S	53.	5.83	19.	5.	2.	59.10
+	HYDROGRAPH AT	SIS8W	98.	5.83	49.	13.	5.	59.10
+	ROUTED TO	RIS14	98.	5.83	49.	13.	5.	59.10
+	HYDROGRAPH AT	D99CB	61.	5.42	28.	8.	3.	50.64
+	ROUTED TO	R99F	60.	5.67	28.	8.	3.	50.64
+	HYDROGRAPH AT	D2121W	138.	5.50	67.	17.	6.	59.10
+	2 COMBINED AT	C99C	194.	5.58	94.	25.	9.	59.10
+	DIVERSION TO	S99CW	81.	5.58	35.	9.	3.	59.10
+	HYDROGRAPH AT	S99CS	113.	5.58	59.	17.	6.	59.10

+	ROUTED TO	R99G	112.	5.75	58.	17.	6.	59.10
+	2 COMBINED AT	CIS99	211.	5.83	107.	29.	11.	59.10
+	DIVERSION TO	D99IS	46.	5.83	23.	6.	2.	59.10
+	HYDROGRAPH AT	DIS99	164.	5.83	83.	23.	8.	59.10
+	ROUTED TO	RIS15	163.	6.00	83.	23.	8.	59.10
+	HYDROGRAPH AT	SCB8S	58.	5.50	24.	6.	2.	51.34
+	ROUTED TO	R2021S	54.	6.25	24.	6.	2.	51.34
+	HYDROGRAPH AT	20-21	419.	4.67	123.	31.	11.	1.02
+	DIVERSION TO	D2021R	276.	4.67	62.	15.	6.	1.02
+	HYDROGRAPH AT	RET20	197.	5.75	63.	16.	6.	1.02
+	HYDROGRAPH AT	S99CW	81.	5.58	35.	9.	3.	59.10
+	ROUTED TO	R2021W	79.	6.08	35.	9.	3.	59.10
+	3 COMBINED AT	C20-21	192.	6.00	96.	25.	9.	60.83
+	DIVERSION TO	D2021W	42.	6.17	22.	6.	2.	60.83
+	HYDROGRAPH AT	D2021S	114.	6.17	58.	15.	6.	60.83
+	2 COMBINED AT	CIS9	273.	6.08	139.	38.	14.	60.83
+	DIVERSION TO	SIS9S	73.	6.08	35.	9.	3.	60.83
+	HYDROGRAPH AT	SIS9W	200.	6.08	104.	29.	11.	60.83
+	ROUTED TO	RIS16	198.	6.25	104.	29.	11.	60.83
+	HYDROGRAPH AT	D107CB	51.	5.75	24.	7.	3.	51.65
+	ROUTED TO	R107A	51.	6.00	24.	7.	3.	51.65
+	HYDROGRAPH AT	D2021W	42.	6.17	22.	6.	2.	60.83

+	2 COMBINED AT	C107A	89.	6.08	44.	13.	5.	60.83
+	DIVERSION TO	S107AW	31.	6.08	10.	3.	1.	60.83
+	HYDROGRAPH AT	S107AS	58.	6.08	34.	10.	4.	60.83
+	ROUTED TO	R107B	57.	6.33	33.	10.	4.	60.83
+	2 COMBINED AT	CIS107	254.	6.25	137.	39.	14.	60.83
+	DIVERSION TO	D107IS	170.	6.25	92.	26.	10.	60.83
+	HYDROGRAPH AT	DIS107	84.	6.25	45.	13.	5.	60.83
+	ROUTED TO	RIS17	83.	6.58	45.	13.	5.	60.83
+	HYDROGRAPH AT	19-21	206.	4.67	56.	14.	5.	0.87
+	HYDROGRAPH AT	S107AW	31.	6.08	10.	3.	1.	60.83
+	ROUTED TO	R1921W	29.	6.50	10.	3.	1.	60.83
+	2 COMBINED AT	C19-21	219.	5.83	111.	28.	10.	61.70
+	DIVERSION TO	D1921W	32.	6.25	18.	5.	2.	61.70
+	HYDROGRAPH AT	D1921S	12.	6.25	7.	2.	1.	61.70
+	2 COMBINED AT	CIS10	94.	6.58	50.	15.	5.	61.70
+	ROUTED TO	RIS18	92.	6.75	50.	15.	5.	61.70
+	HYDROGRAPH AT	D1921W	32.	6.25	18.	5.	2.	61.70
+	3 COMBINED AT	NULL7	3933.	5.50	2115.	653.	256.	1.00
+	HYDROGRAPH AT	D35IS	704.	5.58	254.	63.	23.	15.60
+	ROUTED TO	RGR8	703.	5.75	254.	63.	23.	15.60
+	HYDROGRAPH AT	D27IS	774.	5.42	269.	69.	25.	6.25
+	ROUTED TO	R27F	770.	5.50	269.	69.	25.	6.25

+	HYDROGRAPH AT	26-22N	505.	4.17	58.	15.	5.	0.38
+	HYDROGRAPH AT	SD31CS	251.	4.00	177.	48.	17.	0.99
+	4 COMBINED AT	C2622N	1575.	5.67	703.	185.	67.	16.65
+	DIVERSION TO	SD31DS	251.	3.67	227.	66.	24.	16.65
+	HYDROGRAPH AT	SD31D	1324.	5.67	476.	119.	43.	16.65
+	ROUTED TO	RES26T	1315.	5.75	525.	251.	193.	16.65
+	DIVERSION TO	D26S	1315.	5.75	525.	251.	193.	16.65
+	HYDROGRAPH AT	D26W	0.	0.08	0.	0.	0.	16.65
+	HYDROGRAPH AT	SIS1AS	413.	5.58	134.	34.	12.	15.60
+	DIVERSION TO	SD35DS	75.	4.42	58.	15.	5.	15.60
+	HYDROGRAPH AT	SD35DW	338.	5.58	76.	19.	7.	15.60
+	ROUTED TO	R2722W	337.	5.75	76.	19.	7.	15.60
+	HYDROGRAPH AT	SIS1S	415.	4.17	251.	69.	25.	16.00
+	ROUTED TO	R2722S	412.	4.33	250.	69.	25.	16.00
+	HYDROGRAPH AT	27-22N	309.	4.33	64.	16.	6.	0.37
+	4 COMBINED AT	C2722N	664.	5.67	374.	101.	37.	16.40
+	DIVERSION TO	D2722A	63.	5.67	20.	5.	2.	16.40
+	HYDROGRAPH AT	D2722N	601.	5.67	355.	96.	35.	16.40
+	DIVERSION TO	D39S	286.	3.92	244.	69.	25.	16.40
+	HYDROGRAPH AT	D39	315.	5.67	111.	28.	10.	16.40
+	HYDROGRAPH AT	D431S	165.	4.67	128.	38.	14.	16.00
+	ROUTED TO	R43K	164.	4.75	128.	38.	14.	16.00

+	DIVERSION TO	S43GW	38.	4.75	20.	5.	2.	16.00
+	HYDROGRAPH AT	S43GS	127.	4.75	108.	33.	12.	16.00
+	HYDROGRAPH AT	D2722A	63.	5.67	20.	5.	2.	16.40
+	3 COMBINED AT	C2722A	489.	5.67	238.	66.	24.	16.40
+	ROUTED TO	PA43	490.	5.67	238.	66.	24.	16.40
+	DIVERSION TO	D43S	292.	5.67	130.	39.	14.	16.40
+	HYDROGRAPH AT	D43	200.	4.33	109.	27.	10.	16.40
+	ROUTED TO	R2822W	200.	4.75	108.	27.	10.	16.40
+	HYDROGRAPH AT	SIS2S	35.	5.00	5.	1.	0.	17.50
+	HYDROGRAPH AT	SIS2SA	99.	5.00	39.	11.	4.	17.50
+	2 COMBINED AT	C2822A	133.	5.00	44.	12.	4.	18.30
+	ROUTED TO	R2822S	128.	5.17	44.	12.	4.	18.30
+	HYDROGRAPH AT	28-22N	265.	4.50	58.	15.	5.	0.45
+	HYDROGRAPH AT	S43GW	38.	4.75	20.	5.	2.	16.00
+	3 COMBINED AT	C2822N	266.	5.08	103.	28.	10.	18.30
+	DIVERSION TO	D2822A	187.	5.08	73.	20.	7.	18.30
+	HYDROGRAPH AT	D2822N	66.	5.08	26.	7.	3.	18.30
+	2 COMBINED AT	C2822D	265.	4.92	130.	34.	12.	18.30
+	ROUTED TO	PA47	259.	5.17	130.	34.	12.	18.30
+	DIVERSION TO	D47S	0.	5.17	0.	0.	0.	18.30
+	HYDROGRAPH AT	D47	259.	5.17	130.	34.	12.	18.30
+	HYDROGRAPH AT	D51IS	150.	5.08	70.	20.	7.	17.50

+	ROUTED TO	R51M	149.	5.25	69.	20.	7.	17.50
+	DIVERSION TO	S51HW	0.	5.08	0.	0.	0.	17.50
+	HYDROGRAPH AT	S51HS	149.	5.25	69.	20.	7.	17.50
+	HYDROGRAPH AT	D2822A	187.	5.08	73.	20.	7.	18.30
+	3 COMBINED AT	C2822B	591.	5.08	272.	73.	26.	18.30
+	ROUTED TO	PA51	330.	5.92	272.	73.	26.	18.30
+	DIVERSION TO	D51S	329.	5.92	271.	73.	26.	18.30
+	HYDROGRAPH AT	D51	1.	5.92	1.	0.	0.	18.30
+	HYDROGRAPH AT	SIS3S	140.	5.00	37.	9.	3.	24.50
+	ROUTED TO	R2922S	136.	5.17	37.	9.	3.	24.50
+	HYDROGRAPH AT	29-22N	333.	4.33	50.	13.	5.	0.41
+	2 COMBINED AT	C2922N	194.	5.00	69.	18.	6.	24.90
+	DIVERSION TO	D2922A	105.	5.00	37.	10.	3.	24.90
+	HYDROGRAPH AT	D2922N	89.	5.00	32.	8.	3.	24.90
+	HYDROGRAPH AT	S51HW	0.	5.08	0.	0.	0.	17.50
+	3 COMBINED AT	C2922B	89.	5.00	32.	8.	3.	25.80
+	ROUTED TO	PA55	82.	5.17	32.	8.	3.	25.80
+	DIVERSION TO	D55S	68.	5.25	15.	4.	1.	25.80
+	HYDROGRAPH AT	D55	63.	4.17	17.	4.	2.	25.80
+	HYDROGRAPH AT	D59IS	264.	5.17	128.	36.	13.	24.50
+	DIVERSION TO	S59HW	0.	5.08	0.	0.	0.	24.50
+	HYDROGRAPH AT	S59HS	264.	5.17	128.	36.	13.	24.50

+	HYDROGRAPH AT	D2922A	105.	5.00	37.	10.	3.	24.90
+	3 COMBINED AT	C2922A	376.	5.08	180.	50.	18.	25.80
+	ROUTED TO	PA59	296.	6.00	181.	50.	18.	25.80
+	DIVERSION TO	D59S	267.	5.92	177.	49.	18.	25.80
+	HYDROGRAPH AT	D59	29.	6.00	3.	1.	0.	25.80
+	HYDROGRAPH AT	SIS4S	232.	5.50	68.	17.	6.	32.70
+	ROUTED TO	R3022S	229.	5.58	68.	17.	6.	32.70
+	HYDROGRAPH AT	30-22N	59.	4.75	22.	6.	2.	0.16
+	HYDROGRAPH AT	S59HW	0.	5.08	0.	0.	0.	24.50
+	4 COMBINED AT	C3022N	260.	5.58	85.	22.	8.	34.10
+	ROUTED TO	PA63	234.	5.83	85.	22.	8.	34.10
+	DIVERSION TO	D63S	234.	5.83	85.	22.	8.	34.10
+	HYDROGRAPH AT	D63	0.	0.08	0.	0.	0.	34.10
+	HYDROGRAPH AT	D26S	1315.	5.75	525.	251.	193.	16.65
+	ROUTED TO	R2622S	1312.	5.83	525.	251.	193.	16.65
+	HYDROGRAPH AT	26-22E	421.	4.25	64.	16.	6.	0.38
+	2 COMBINED AT	C2622E	1416.	5.75	607.	272.	201.	12.14
+	ROUTED TO	RES26E	1309.	5.83	603.	273.	201.	12.14
+	DIVERSION TO	D27TR	1276.	5.83	571.	244.	173.	12.14
+	HYDROGRAPH AT	DTR27	33.	0.08	32.	29.	28.	12.14
+	HYDROGRAPH AT	26-22S	732.	4.08	66.	17.	6.	0.39
+	DIVERSION TO	D2622W	176.	4.08	16.	4.	1.	0.39

+	HYDROGRAPH AT	D2622S	556.	4.08	50.	13.	5.	0.39
+	HYDROGRAPH AT	SD31DS	251.	3.67	227.	66.	24.	16.65
+	3 COMBINED AT	C2622S	840.	4.08	303.	105.	55.	0.39
+	DIVERSION TO	STR1S	686.	4.08	270.	94.	50.	0.39
+	HYDROGRAPH AT	STR1W	155.	4.08	32.	11.	5.	0.39
+	ROUTED TO	RTR1	129.	4.33	32.	11.	5.	0.39
+	HYDROGRAPH AT	SD35DS	75.	4.42	58.	15.	5.	15.60
+	HYDROGRAPH AT	26-22W	86.	4.17	12.	3.	1.	0.08
+	HYDROGRAPH AT	D2622W	176.	4.08	16.	4.	1.	0.39
+	3 COMBINED AT	C35E	264.	4.08	84.	23.	8.	0.47
+	DIVERSION TO	S35DW	82.	4.08	6.	1.	1.	0.47
+	HYDROGRAPH AT	S35DS	182.	4.08	78.	21.	8.	0.47
+	ROUTED TO	R35J	163.	4.25	78.	21.	8.	0.47
+	2 COMBINED AT	CTR35	281.	4.33	110.	32.	13.	0.47
+	DIVERSION TO	D35TR	217.	4.33	84.	24.	10.	0.47
+	HYDROGRAPH AT	DTR35	64.	4.33	26.	7.	3.	0.47
+	ROUTED TO	RTR2	55.	4.75	25.	7.	3.	0.47
+	HYDROGRAPH AT	D39S	286.	3.92	244.	69.	25.	16.40
+	ROUTED TO	R2722A	286.	4.75	243.	69.	25.	16.40
+	HYDROGRAPH AT	27-22S	413.	4.50	96.	24.	9.	0.63
+	HYDROGRAPH AT	S35DW	82.	4.08	6.	1.	1.	0.47
+	ROUTED TO	R2722B	29.	5.17	6.	1.	1.	0.47

+	3 COMBINED AT	C2722S	570.	4.67	324.	90.	32.	12.14
+	DIVERSION TO	D2722W	23.	4.67	6.	2.	1.	12.14
+	HYDROGRAPH AT	D2722S	547.	4.67	318.	88.	32.	12.14
+	2 COMBINED AT	CTR1	582.	4.67	341.	96.	35.	12.14
+	DIVERSION TO	STR2S	518.	4.67	320.	90.	33.	12.14
+	HYDROGRAPH AT	STR2W	65.	4.67	21.	5.	2.	12.14
+	ROUTED TO	RTR3	62.	5.33	21.	5.	2.	12.14
+	HYDROGRAPH AT	D43S	292.	5.67	130.	39.	14.	16.40
+	HYDROGRAPH AT	D2722W	23.	4.67	6.	2.	1.	12.14
+	2 COMBINED AT	C43F	346.	5.67	148.	44.	16.	12.14
+	DIVERSION TO	S43HW	164.	5.67	34.	8.	3.	12.14
+	HYDROGRAPH AT	S43HS	182.	5.67	115.	35.	13.	12.14
+	ROUTED TO	R43M	180.	5.83	114.	35.	13.	12.14
+	2 COMBINED AT	CTR43	233.	5.75	135.	41.	15.	12.14
+	DIVERSION TO	D43TR	232.	5.75	135.	41.	15.	12.14
+	HYDROGRAPH AT	DTR43	2.	5.67	0.	0.	0.	12.14
+	HYDROGRAPH AT	D51S	329.	5.92	271.	73.	26.	18.30
+	HYDROGRAPH AT	D47S	0.	5.17	0.	0.	0.	18.30
+	2 COMBINED AT	C2822C	329.	5.92	271.	73.	26.	18.32
+	ROUTED TO	R2822A	329.	6.08	271.	73.	26.	18.32
+	HYDROGRAPH AT	28-22S	355.	4.42	70.	18.	6.	0.54
+	2 COMBINED AT	C2822S	469.	4.75	314.	86.	31.	18.86

+	DIVERSION TO	D2822W	9.	4.75	6.	2.	1.	18.86
+	HYDROGRAPH AT	D2822S	460.	4.75	308.	84.	30.	18.86
+	HYDROGRAPH AT	S43HW	164.	5.67	34.	8.	3.	12.14
+	ROUTED TO	R2822B	117.	6.67	34.	8.	3.	12.14
+	3 COMBINED AT	CTR2	459.	4.75	328.	89.	32.	19.96
+	DIVERSION TO	STR3S	229.	4.75	163.	44.	16.	19.96
+	HYDROGRAPH AT	STR3W	229.	4.75	163.	44.	16.	19.96
+	DIVERSION TO	STR4S	176.	4.75	124.	32.	12.	19.96
+	HYDROGRAPH AT	STR4W	53.	4.75	40.	12.	4.	19.96
+	ROUTED TO	RTR4	51.	5.33	39.	12.	4.	19.96
+	HYDROGRAPH AT	D2822W	9.	4.75	6.	2.	1.	18.86
+	DIVERSION TO	S51IW	0.	4.42	0.	0.	0.	18.86
+	HYDROGRAPH AT	S51IS	9.	4.75	6.	2.	1.	18.86
+	ROUTED TO	R51N	9.	5.17	6.	2.	1.	18.86
+	2 COMBINED AT	CTR51	60.	5.33	46.	14.	5.	19.96
+	DIVERSION TO	D51TR	60.	5.33	46.	14.	5.	19.96
+	HYDROGRAPH AT	DTR51	0.	0.08	0.	0.	0.	19.96
+	ROUTED TO	RTR5	0.	0.08	0.	0.	0.	19.96
+	HYDROGRAPH AT	D55S	68.	5.25	15.	4.	1.	25.80
+	ROUTED TO	R2922A	67.	5.50	15.	4.	1.	25.80
+	HYDROGRAPH AT	29-22S	365.	4.50	78.	20.	7.	0.59
+	HYDROGRAPH AT	S51IW	0.	4.42	0.	0.	0.	18.86

+	ROUTED TO	R2922B	0.	5.92	0.	0.	0.	18.86
+	3 COMBINED AT	C2922S	368.	4.75	106.	27.	10.	26.90
+	DIVERSION TO	D2922W	62.	4.67	19.	5.	2.	26.90
+	HYDROGRAPH AT	D2922S	167.	4.67	51.	13.	5.	26.90
+	2 COMBINED AT	CTR3	165.	4.67	50.	13.	5.	28.00
+	DIVERSION TO	STR5S	77.	4.67	16.	4.	1.	28.00
+	HYDROGRAPH AT	STR5W	88.	4.67	34.	9.	3.	28.00
+	ROUTED TO	RTR6	87.	5.00	34.	9.	3.	28.00
+	HYDROGRAPH AT	D59S	267.	5.92	177.	49.	18.	25.80
+	ROUTED TO	R59N	267.	5.92	177.	49.	18.	25.80
+	HYDROGRAPH AT	D2922W	62.	4.67	19.	5.	2.	26.90
+	2 COMBINED AT	C59G	302.	5.58	195.	54.	20.	26.90
+	DIVERSION TO	S59IW	0.	5.33	0.	0.	0.	26.90
+	HYDROGRAPH AT	S59IS	302.	5.58	195.	54.	20.	26.90
+	ROUTED TO	R59O	301.	5.67	195.	54.	20.	26.90
+	2 COMBINED AT	CTR59	373.	5.33	227.	62.	23.	28.00
+	DIVERSION TO	D59TR	370.	5.33	227.	62.	23.	28.00
+	HYDROGRAPH AT	DTR59	3.	5.33	0.	0.	0.	28.00
+	ROUTED TO	RTR7	3.	5.83	0.	0.	0.	28.00
+	HYDROGRAPH AT	D63S	234.	5.83	85.	22.	8.	34.10
+	ROUTED TO	R3022A	227.	6.08	85.	22.	8.	34.10
+	HYDROGRAPH AT	30-22S	406.	4.67	113.	29.	10.	0.81

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+	HYDROGRAPH AT	S591W	0.	5.33	0.	0.	0.	26.90
+	ROUTED TO	R3022B	0.	6.25	0.	0.	0.	26.90
+	3 COMBINED AT	C3022S	404.	6.00	185.	49.	18.	36.03
+	DIVERSION TO	D3022W	76.	6.00	39.	10.	4.	36.03
+	HYDROGRAPH AT	D3022S	242.	6.00	122.	32.	12.	36.03
+	2 COMBINED AT	CTR4	241.	6.00	121.	32.	12.	37.13
+	DIVERSION TO	STR6S	152.	6.00	71.	18.	6.	37.13
+	HYDROGRAPH AT	STR6W	89.	6.00	50.	14.	5.	37.13
+	ROUTED TO	RTR8	87.	6.25	50.	14.	5.	37.13
+	HYDROGRAPH AT	D3022W	76.	6.00	39.	10.	4.	36.03
+	HYDROGRAPH AT	D67IS	26.	5.25	22.	6.	2.	28.70
+	2 COMBINED AT	C67G1	102.	6.00	59.	16.	6.	36.03
+	DIVERSION TO	S67IW	0.	5.92	0.	0.	0.	36.03
+	HYDROGRAPH AT	S67IS	102.	6.00	59.	16.	6.	36.03
+	ROUTED TO	R67O	101.	6.17	59.	16.	6.	36.03
+	3 COMBINED AT	CTR67	186.	6.25	109.	30.	11.	37.13
+	DIVERSION TO	D67TR	186.	6.25	109.	30.	11.	37.13
+	HYDROGRAPH AT	DTR67	0.	0.08	0.	0.	0.	37.13
+	ROUTED TO	RTR9	0.	0.08	0.	0.	0.	37.13
+	HYDROGRAPH AT	SIS5S	111.	4.33	19.	5.	2.	41.52
+	ROUTED TO	R2521S	99.	4.83	19.	5.	2.	41.52
+	HYDROGRAPH AT	25-21	493.	4.67	140.	36.	13.	1.00

+	DIVERSION TO	D2521R	10.	4.67	3.	1.	0.	1.00
+	HYDROGRAPH AT	RET25	484.	4.67	138.	35.	13.	1.00
+	HYDROGRAPH AT	S671W	0.	5.92	0.	0.	0.	36.03
+	ROUTED TO	R2521W	0.	6.67	0.	0.	0.	36.03
+	3 COMBINED AT	C25-21	484.	4.83	142.	36.	13.	37.64
+	DIVERSION TO	D2521W	97.	4.83	29.	8.	3.	37.64
+	HYDROGRAPH AT	D2521S	307.	4.83	93.	24.	9.	37.64
+	2 COMBINED AT	CTR5	305.	4.83	93.	24.	9.	38.75
+	DIVERSION TO	STR7S	107.	4.83	19.	5.	2.	38.75
+	HYDROGRAPH AT	STR7W	198.	4.83	74.	19.	7.	38.75
+	ROUTED TO	RTR10	196.	5.00	74.	19.	7.	38.75
+	HYDROGRAPH AT	D75IS	144.	4.58	61.	18.	7.	41.52
+	ROUTED TO	R75P	142.	4.75	61.	18.	7.	41.52
+	HYDROGRAPH AT	D2521W	97.	4.83	29.	8.	3.	37.64
+	2 COMBINED AT	C75G	240.	4.75	91.	26.	10.	37.64
+	DIVERSION TO	S75JW	0.	4.75	0.	0.	0.	37.64
+	HYDROGRAPH AT	S75JS	240.	4.75	91.	26.	10.	37.64
+	ROUTED TO	R75Q	238.	4.92	91.	26.	10.	37.64
+	2 COMBINED AT	CTR75	431.	5.00	164.	45.	16.	38.75
+	DIVERSION TO	D75TR	395.	5.00	160.	44.	16.	38.75
+	HYDROGRAPH AT	DTR75	36.	5.00	4.	1.	0.	38.75
+	ROUTED TO	RTR11	30.	5.25	4.	1.	0.	38.75

+	HYDROGRAPH AT	SIS6S	86.	5.17	26.	7.	2.	47.02
+	ROUTED TO	R2621S	77.	6.17	26.	7.	2.	47.02
+	HYDROGRAPH AT	26-21	447.	4.67	129.	33.	12.	0.99
+	HYDROGRAPH AT	S75JW	0.	4.75	0.	0.	0.	37.64
+	ROUTED TO	R2621W	0.	5.83	0.	0.	0.	37.64
+	3 COMBINED AT	C26-21	448.	5.00	197.	50.	18.	41.28
+	DIVERSION TO	D2621W	69.	4.92	30.	8.	3.	41.28
+	HYDROGRAPH AT	D2621S	195.	4.92	86.	22.	8.	41.28
+	2 COMBINED AT	CTR6	218.	5.17	89.	23.	8.	41.28
+	DIVERSION TO	STR8S	53.	5.17	18.	5.	2.	41.28
+	HYDROGRAPH AT	STR8W	166.	5.17	71.	19.	7.	41.28
+	ROUTED TO	RTR12	165.	5.33	71.	19.	7.	41.28
+	HYDROGRAPH AT	D83IS	228.	5.58	140.	41.	15.	47.02
+	ROUTED TO	R83P	227.	5.75	140.	41.	15.	47.02
+	HYDROGRAPH AT	D2621W	69.	4.92	30.	8.	3.	41.28
+	2 COMBINED AT	C83H	276.	5.50	164.	47.	17.	57.03
+	DIVERSION TO	S83IW	11.	5.58	2.	1.	0.	57.03
+	HYDROGRAPH AT	S83IS	265.	5.50	161.	47.	17.	57.03
+	ROUTED TO	R83Q	265.	5.67	161.	47.	17.	57.03
+	2 COMBINED AT	CTR83	411.	5.42	225.	64.	23.	56.35
+	DIVERSION TO	D83TR	352.	5.42	208.	59.	22.	56.35
+	HYDROGRAPH AT	DTR83	59.	5.42	17.	4.	2.	56.35

+	ROUTED TO	RTR13	57.	5.67	17.	4.	2.	56.35
+	HYDROGRAPH AT	SIS7S	58.	5.58	16.	4.	1.	55.24
+	ROUTED TO	R2721S	50.	6.33	16.	4.	1.	55.24
+	HYDROGRAPH AT	27-21	433.	4.67	118.	30.	11.	1.00
+	DIVERSION TO	D2721R	22.	4.67	5.	1.	0.	1.00
+	HYDROGRAPH AT	RET27	411.	4.67	114.	29.	10.	1.00
+	HYDROGRAPH AT	S83IW	11.	5.58	2.	1.	0.	57.03
+	ROUTED TO	R2721W	9.	6.50	2.	1.	0.	57.03
+	3 COMBINED AT	C27-21	427.	6.00	208.	53.	19.	65.57
+	DIVERSION TO	D2721W	60.	4.83	24.	6.	2.	65.57
+	HYDROGRAPH AT	D2721S	140.	4.83	57.	15.	5.	65.57
+	2 COMBINED AT	CTR7	156.	5.42	72.	19.	7.	66.67
+	DIVERSION TO	STR9S	81.	5.42	32.	8.	3.	66.67
+	HYDROGRAPH AT	STR9W	75.	5.42	40.	11.	4.	66.67
+	ROUTED TO	RTR14	74.	5.67	40.	11.	4.	66.67
+	HYDROGRAPH AT	D91IS	174.	5.75	108.	34.	12.	55.24
+	ROUTED TO	R91M	173.	5.92	108.	34.	12.	55.24
+	HYDROGRAPH AT	D2721W	60.	4.83	24.	6.	2.	65.57
+	2 COMBINED AT	C91G	213.	5.42	128.	39.	14.	65.57
+	DIVERSION TO	S91GW	0.	5.42	0.	0.	0.	65.57
+	HYDROGRAPH AT	S91GS	213.	5.42	128.	39.	14.	65.57
+	ROUTED TO	R91N	212.	5.58	128.	39.	14.	65.57

+	2 COMBINED AT	CTR91	285.	5.58	165.	49.	18.	66.67
+	DIVERSION TO	D91TR	283.	5.58	164.	49.	18.	66.67
+	HYDROGRAPH AT	DTR91	3.	6.08	1.	0.	0.	66.67
+	ROUTED TO	RTR15	3.	6.50	1.	0.	0.	66.67
+	HYDROGRAPH AT	SIS8S	53.	5.83	19.	5.	2.	59.10
+	ROUTED TO	R2821S	52.	6.25	19.	5.	2.	59.10
+	HYDROGRAPH AT	28-21	378.	4.67	87.	22.	8.	1.00
+	HYDROGRAPH AT	S91GW	0.	5.42	0.	0.	0.	65.57
+	ROUTED TO	R2821W	0.	6.42	0.	0.	0.	65.57
+	3 COMBINED AT	C28-21	380.	4.75	160.	40.	15.	70.44
+	DIVERSION TO	D2821W	97.	4.83	35.	9.	3.	70.44
+	HYDROGRAPH AT	D2821S	57.	4.83	21.	5.	2.	70.44
+	2 COMBINED AT	CTR8	57.	4.83	21.	5.	2.	70.44
+	DIVERSION TO	STR10S	13.	4.83	3.	1.	0.	70.44
+	HYDROGRAPH AT	STR10W	44.	4.83	18.	5.	2.	70.44
+	ROUTED TO	RTR16	42.	5.17	18.	5.	2.	70.44
+	HYDROGRAPH AT	D99IS	46.	5.83	23.	6.	2.	59.10
+	ROUTED TO	R99H	46.	6.17	23.	6.	2.	59.10
+	HYDROGRAPH AT	D2821W	97.	4.83	35.	9.	3.	70.44
+	2 COMBINED AT	C99D	103.	4.92	56.	15.	5.	70.44
+	DIVERSION TO	S99DW	35.	4.92	16.	4.	1.	70.44
+	HYDROGRAPH AT	S99DS	69.	4.92	39.	11.	4.	70.44

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+	ROUTED TO	R99I	68.	5.25	39.	11.	4.	70.44
+	2 COMBINED AT	CTR99	109.	5.17	57.	15.	6.	70.44
+	DIVERSION TO	D99TR	27.	5.17	14.	4.	1.	70.44
+	HYDROGRAPH AT	DTR99	82.	5.17	43.	12.	4.	70.44
+	ROUTED TO	RTR17	80.	5.58	43.	12.	4.	70.44
+	HYDROGRAPH AT	SIS9S	73.	6.08	35.	9.	3.	60.83
+	ROUTED TO	R2921S	72.	6.42	35.	9.	3.	60.83
+	HYDROGRAPH AT	29-21N	256.	4.75	72.	18.	6.	0.76
+	HYDROGRAPH AT	S99DW	35.	4.92	16.	4.	1.	70.44
+	ROUTED TO	R2921W	34.	5.17	16.	4.	1.	70.44
+	3 COMBINED AT	C2921N	256.	5.92	132.	34.	12.	72.92
+	DIVERSION TO	D2921W	48.	5.58	27.	7.	2.	72.92
+	HYDROGRAPH AT	D2921S	97.	5.58	54.	14.	5.	72.92
+	2 COMBINED AT	CTR9	175.	5.58	94.	25.	9.	74.02
+	ROUTED TO	RES29S	4.	9.50	3.	1.	0.	74.02
+	HYDROGRAPH AT	D107IS	170.	6.25	92.	26.	10.	60.83
+	ROUTED TO	R107C	169.	6.50	92.	26.	10.	60.83
+	HYDROGRAPH AT	D2921W	48.	5.58	27.	7.	2.	72.92
+	2 COMBINED AT	C107B	198.	6.42	111.	32.	11.	72.92
+	ROUTED TO	RES29W	41.	10.33	23.	7.	3.	72.92
+	DIVERSION TO	D2921C	41.	10.33	23.	7.	3.	72.92
+	HYDROGRAPH AT	D2921B	0.	0.08	0.	0.	0.	72.92

+	ROUTED TO	R2921A	0.	0.08	0.	0.	0.	72.92
+	HYDROGRAPH AT	29-21S	104.	4.75	35.	9.	3.	0.26
+	3 COMBINED AT	C107C	53.	5.00	21.	6.	2.	74.28
+	DIVERSION TO	D107TR	19.	5.00	7.	2.	1.	74.28
+	HYDROGRAPH AT	DTR107	34.	5.00	14.	4.	2.	74.28
+	ROUTED TO	RTR18	34.	5.25	14.	4.	2.	74.28
+	HYDROGRAPH AT	30-21S	587.	4.33	78.	20.	7.	0.75
+	DIVERSION TO	D3021X	475.	4.33	36.	9.	3.	0.75
+	HYDROGRAPH AT	RET30S	468.	4.50	43.	11.	4.	0.75
+	2 COMBINED AT	C3021S	56.	4.92	21.	6.	2.	75.03
+	DIVERSION TO	STR11S	25.	4.92	5.	1.	0.	75.03
+	HYDROGRAPH AT	STR11W	31.	4.92	15.	5.	2.	75.03
+	ROUTED TO	RTR19	29.	5.33	15.	5.	2.	75.03
+	DIVERSION TO	D115TR	12.	5.33	7.	2.	1.	75.03
+	HYDROGRAPH AT	DTR115	16.	5.33	9.	3.	1.	75.03
+	HYDROGRAPH AT	30-21N	572.	4.25	78.	20.	7.	0.67
+	DIVERSION TO	D3021R	469.	4.25	59.	15.	5.	0.67
+	HYDROGRAPH AT	RET30N	103.	4.25	19.	5.	2.	0.67
+	DIVERSION TO	D3021W	22.	4.25	4.	1.	0.	0.67
+	HYDROGRAPH AT	D3021S	81.	4.25	15.	4.	1.	0.67
+	HYDROGRAPH AT	D2921C	41.	10.33	23.	7.	3.	72.92
+	ROUTED TO	R3021W	37.	11.25	22.	7.	3.	72.92

+	2 COMBINED AT	C3021N	58.	8.00	37.	13.	5.	73.59
+	ROUTED TO	R3021R	36.	11.33	22.	8.	3.	73.59
+	HYDROGRAPH AT	D3021W	42.	6.17	22.	6.	2.	60.83
+	4 COMBINED AT	NULL8	4088.	5.50	2342.	729.	284.	1.00
+	HYDROGRAPH AT	36-22	219.	4.25	38.	10.	3.	0.23
+	DIVERSION TO	D3622W	140.	4.25	24.	6.	2.	0.23
+	HYDROGRAPH AT	D3622S	79.	4.25	14.	3.	1.	0.23
+	HYDROGRAPH AT	D27TR	1276.	5.83	571.	244.	173.	12.14
+	ROUTED TO	R27G	1272.	5.92	571.	244.	172.	12.14
+	HYDROGRAPH AT	D3622W	140.	4.25	24.	6.	2.	0.23
+	2 COMBINED AT	C27B	1316.	6.00	573.	244.	172.	17.26
+	DIVERSION TO	S27BW	631.	6.00	270.	110.	76.	17.26
+	HYDROGRAPH AT	S27BS	647.	6.00	289.	130.	95.	17.26
+	ROUTED TO	R27H	644.	6.08	289.	130.	95.	17.26
+	2 COMBINED AT	CMD27	649.	6.08	299.	133.	96.	17.26
+	DIVERSION TO	D27MD	452.	6.08	232.	116.	90.	17.26
+	HYDROGRAPH AT	DMD27	197.	6.08	68.	17.	6.	17.26
+	ROUTED TO	RMD1	194.	6.33	68.	17.	6.	17.26
+	HYDROGRAPH AT	STR1S	686.	4.08	270.	94.	50.	0.39
+	ROUTED TO	R3522S	607.	4.33	270.	94.	50.	0.39
+	HYDROGRAPH AT	35-22	576.	4.58	159.	41.	15.	1.00
+	HYDROGRAPH AT	S27BW	631.	6.00	270.	110.	76.	17.26

+	ROUTED TO	R3522W	624.	6.33	270.	110.	75.	17.26
+	3 COMBINED AT	C35-22	990.	6.25	665.	238.	137.	18.65
+	DIVERSION TO	D3522W	210.	6.25	126.	32.	11.	18.65
+	HYDROGRAPH AT	D3522S	780.	6.25	539.	207.	125.	18.65
+	2 COMBINED AT	CMD1	966.	6.25	605.	223.	131.	18.65
+	DIVERSION TO	SMD1S	768.	6.25	494.	195.	121.	18.65
+	HYDROGRAPH AT	SMD1W	198.	6.25	111.	28.	10.	18.65
+	ROUTED TO	RMD2	196.	6.50	110.	28.	10.	18.65
+	HYDROGRAPH AT	D35TR	217.	4.33	84.	24.	10.	0.47
+	ROUTED TO	R35K	203.	4.42	84.	24.	10.	0.47
+	HYDROGRAPH AT	D3522W	210.	6.25	126.	32.	11.	18.65
+	2 COMBINED AT	C35F	326.	4.67	202.	55.	21.	18.73
+	DIVERSION TO	S35EW	179.	4.67	93.	23.	8.	18.73
+	HYDROGRAPH AT	S35ES	147.	4.67	109.	32.	13.	18.73
+	ROUTED TO	R35L	146.	4.92	109.	32.	13.	18.73
+	2 COMBINED AT	CMD35	332.	6.42	219.	60.	23.	18.73
+	DIVERSION TO	D35MD	240.	6.42	164.	46.	18.	18.73
+	HYDROGRAPH AT	DMD35	92.	6.42	55.	14.	5.	18.73
+	ROUTED TO	RMD3	91.	6.92	54.	14.	5.	18.73
+	HYDROGRAPH AT	STR2S	518.	4.67	320.	90.	33.	12.14
+	ROUTED TO	R3422S	513.	5.00	319.	90.	33.	12.14
+	HYDROGRAPH AT	34-22	528.	4.67	153.	39.	14.	1.00

+	HYDROGRAPH AT	S35EW	179.	4.67	93.	23.	8.	18.73
+	ROUTED TO	R3422W	161.	6.00	92.	23.	8.	18.73
+	3 COMBINED AT	C34-22	867.	4.92	515.	145.	53.	21.20
+	DIVERSION TO	D3422W	197.	4.92	78.	20.	7.	21.20
+	HYDROGRAPH AT	D3422S	670.	4.92	437.	126.	46.	21.20
+	2 COMBINED AT	CMD2	724.	5.08	488.	139.	51.	21.20
+	DIVERSION TO	SMD2S	651.	5.08	453.	130.	47.	21.20
+	HYDROGRAPH AT	SMD2W	73.	5.08	36.	9.	3.	21.20
+	ROUTED TO	RMD4	71.	5.42	36.	9.	3.	21.20
+	HYDROGRAPH AT	D43TR	232.	5.75	135.	41.	15.	12.14
+	ROUTED TO	R43N	228.	5.92	135.	41.	15.	12.14
+	HYDROGRAPH AT	D3422W	197.	4.92	78.	20.	7.	21.20
+	2 COMBINED AT	C43G	350.	5.83	204.	58.	21.	21.20
+	DIVERSION TO	S43IW	0.	0.08	0.	0.	0.	21.20
+	HYDROGRAPH AT	S43IS	350.	5.83	204.	58.	21.	21.20
+	ROUTED TO	R43O	349.	6.00	204.	58.	21.	21.20
+	2 COMBINED AT	CMD43	411.	6.00	240.	67.	24.	21.20
+	DIVERSION TO	D43MD	411.	6.00	240.	67.	24.	21.20
+	HYDROGRAPH AT	DMD43	0.	0.08	0.	0.	0.	21.20
+	HYDROGRAPH AT	STR3S	229.	4.75	163.	44.	16.	19.96
+	HYDROGRAPH AT	STR4S	176.	4.75	124.	32.	12.	19.96
+	3 COMBINED AT	C3322N	397.	4.75	277.	74.	27.	23.67

+	ROUTED TO	R3322S	387.	5.08	275.	74.	27.	23.67
+	HYDROGRAPH AT	33-22	510.	4.67	138.	35.	13.	1.00
+	HYDROGRAPH AT	S431W	0.	0.08	0.	0.	0.	21.20
+	2 COMBINED AT	C33-22	510.	4.75	153.	39.	14.	24.67
+	DIVERSION TO	D3322W	97.	4.75	32.	8.	3.	24.67
+	HYDROGRAPH AT	D3322S	238.	4.75	77.	20.	7.	24.67
+	2 COMBINED AT	CMD3	607.	5.00	341.	93.	34.	24.67
+	DIVERSION TO	SMD3S	303.	5.00	170.	47.	17.	24.67
+	HYDROGRAPH AT	SMD3W	303.	5.00	170.	47.	17.	24.67
+	DIVERSION TO	SMD4S	236.	5.00	131.	35.	12.	24.67
+	HYDROGRAPH AT	SMD4W	67.	5.00	40.	12.	4.	24.67
+	ROUTED TO	RMD5	65.	5.58	40.	12.	4.	24.67
+	HYDROGRAPH AT	D51TR	60.	5.33	46.	14.	5.	19.96
+	ROUTED TO	R51O	60.	5.50	46.	14.	5.	19.96
+	HYDROGRAPH AT	D3322W	97.	4.75	32.	8.	3.	24.67
+	2 COMBINED AT	C51F	137.	5.17	72.	22.	8.	24.67
+	DIVERSION TO	S51JW	0.	5.00	0.	0.	0.	24.67
+	HYDROGRAPH AT	S51JS	136.	5.17	72.	22.	8.	24.67
+	ROUTED TO	R51P	135.	5.33	72.	22.	8.	24.67
+	2 COMBINED AT	CMD51	195.	5.42	110.	34.	12.	24.67
+	DIVERSION TO	D51MD	195.	5.42	110.	34.	12.	24.67
+	HYDROGRAPH AT	DMD51	0.	0.08	0.	0.	0.	24.67

+	ROUTED TO	RMD6	0.	0.08	0.	0.	0.	24.67
+	HYDROGRAPH AT	STR5S	77.	4.67	16.	4.	1.	28.00
+	ROUTED TO	R3222S	67.	5.25	16.	4.	1.	28.00
+	HYDROGRAPH AT	32-22	472.	4.67	132.	34.	12.	1.00
+	HYDROGRAPH AT	S51JW	0.	5.00	0.	0.	0.	24.67
+	ROUTED TO	R3222W	0.	6.25	0.	0.	0.	24.67
+	3 COMBINED AT	C32-22	480.	5.17	159.	40.	15.	33.71
+	DIVERSION TO	D3222W	178.	5.08	63.	16.	6.	33.71
+	HYDROGRAPH AT	D3222S	134.	5.08	47.	12.	4.	33.71
+	2 COMBINED AT	CMD4	134.	5.08	47.	12.	4.	33.71
+	DIVERSION TO	SMD5S	59.	5.08	17.	4.	2.	33.71
+	HYDROGRAPH AT	SMD5W	75.	5.08	31.	8.	3.	33.71
+	ROUTED TO	RMD7	75.	5.25	30.	8.	3.	33.71
+	HYDROGRAPH AT	D59TR	370.	5.33	227.	62.	23.	28.00
+	ROUTED TO	R59P	370.	5.42	226.	62.	23.	28.00
+	HYDROGRAPH AT	D3222W	178.	5.08	63.	16.	6.	33.71
+	2 COMBINED AT	C59H	537.	5.08	284.	77.	28.	33.71
+	DIVERSION TO	S59JW	60.	5.17	10.	2.	1.	33.71
+	HYDROGRAPH AT	S59JS	478.	5.00	274.	75.	27.	33.71
+	ROUTED TO	R59Q	478.	5.08	274.	75.	27.	33.71
+	2 COMBINED AT	CMD59	552.	5.17	304.	83.	30.	33.71
+	DIVERSION TO	D59MD	506.	5.17	294.	80.	29.	33.71

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+	HYDROGRAPH AT	DMD59	46.	5.17	10.	3.	1.	33.71
+	ROUTED TO	RMD8	43.	5.50	10.	3.	1.	33.71
+	HYDROGRAPH AT	STR6S	152.	6.00	71.	18.	6.	37.13
+	ROUTED TO	R3122S	145.	6.33	71.	18.	6.	37.13
+	HYDROGRAPH AT	31-22	456.	4.67	124.	31.	11.	0.98
+	HYDROGRAPH AT	S59JW	60.	5.17	10.	2.	1.	33.71
+	ROUTED TO	R3122W	42.	6.42	10.	2.	1.	33.71
+	3 COMBINED AT	C31-22	458.	5.00	209.	54.	19.	43.82
+	DIVERSION TO	D3122W	182.	5.08	80.	21.	8.	43.82
+	HYDROGRAPH AT	D3122S	168.	5.08	74.	19.	7.	43.82
+	2 COMBINED AT	CMD5	195.	5.17	82.	22.	8.	43.82
+	DIVERSION TO	SMD6S	47.	5.17	13.	3.	1.	43.82
+	HYDROGRAPH AT	SMD6W	148.	5.17	69.	18.	7.	43.82
+	ROUTED TO	RMD9	146.	5.50	69.	18.	7.	43.82
+	HYDROGRAPH AT	D67TR	186.	6.25	109.	30.	11.	37.13
+	ROUTED TO	R67P	184.	6.33	109.	30.	11.	37.13
+	HYDROGRAPH AT	D3122W	182.	5.08	80.	21.	8.	43.82
+	2 COMBINED AT	C67H	338.	5.17	186.	51.	18.	43.82
+	DIVERSION TO	S67JW	0.	5.08	0.	0.	0.	43.82
+	HYDROGRAPH AT	S67JS	338.	5.17	186.	51.	18.	43.82
+	ROUTED TO	R67Q	336.	5.25	186.	51.	18.	43.82
+	2 COMBINED AT	CMD67	479.	5.33	254.	69.	25.	43.82

+	DIVERSION TO	D67MD	470.	5.33	253.	69.	25.	43.82
+	HYDROGRAPH AT	DMD67	9.	5.25	1.	0.	0.	43.82
+	ROUTED TO	RMD10	6.	5.83	1.	0.	0.	43.82
+	HYDROGRAPH AT	STR7S	107.	4.83	19.	5.	2.	38.75
+	ROUTED TO	R3621S	84.	5.42	19.	5.	2.	38.75
+	HYDROGRAPH AT	36-21	451.	4.67	126.	32.	12.	1.00
+	HYDROGRAPH AT	S67JW	0.	5.08	0.	0.	0.	43.82
+	ROUTED TO	R3621W	0.	6.42	0.	0.	0.	43.82
+	3 COMBINED AT	C36-21	452.	5.17	139.	35.	13.	46.34
+	DIVERSION TO	D3621W	85.	5.17	30.	8.	3.	46.34
+	HYDROGRAPH AT	D3621S	199.	5.17	71.	18.	7.	46.34
+	2 COMBINED AT	CMD6	199.	5.17	72.	19.	7.	46.43
+	DIVERSION TO	SMD7S	59.	5.17	19.	5.	2.	46.43
+	HYDROGRAPH AT	SMD7W	140.	5.17	54.	14.	5.	46.43
+	ROUTED TO	RMD11	139.	5.33	53.	14.	5.	46.43
+	HYDROGRAPH AT	D75TR	395.	5.00	160.	44.	16.	38.75
+	ROUTED TO	R75R	394.	5.08	160.	44.	16.	38.75
+	HYDROGRAPH AT	D3621W	85.	5.17	30.	8.	3.	46.34
+	2 COMBINED AT	C75H	471.	5.08	187.	51.	19.	46.34
+	DIVERSION TO	S75KW	8.	5.08	1.	0.	0.	46.34
+	HYDROGRAPH AT	S75KS	463.	5.08	187.	51.	19.	46.34
+	ROUTED TO	R75S	461.	5.25	187.	51.	19.	46.34

+	2 COMBINED AT	CMD75	599.	5.25	239.	65.	24.	46.34
+	DIVERSION TO	D75MD	553.	5.25	233.	64.	23.	46.34
+	HYDROGRAPH AT	DMD75	46.	5.25	6.	2.	1.	46.34
+	ROUTED TO	RMD12	40.	5.58	6.	2.	1.	46.34
+	HYDROGRAPH AT	STR8S	53.	5.17	18.	5.	2.	41.28
+	ROUTED TO	R3521S	52.	5.50	18.	5.	2.	41.28
+	HYDROGRAPH AT	35-21	442.	4.58	103.	26.	9.	0.99
+	DIVERSION TO	D3521R	124.	4.58	29.	7.	3.	0.99
+	HYDROGRAPH AT	RET35	318.	4.58	75.	19.	7.	0.99
+	HYDROGRAPH AT	S75KW	8.	5.08	1.	0.	0.	46.34
+	ROUTED TO	R3521W	3.	5.92	1.	0.	0.	46.34
+	3 COMBINED AT	C35-21	322.	4.83	105.	27.	10.	58.41
+	DIVERSION TO	D3521W	74.	5.00	25.	6.	2.	58.41
+	HYDROGRAPH AT	D3521S	102.	5.00	34.	9.	3.	58.41
+	2 COMBINED AT	CMD7	114.	5.25	39.	10.	4.	58.41
+	DIVERSION TO	SMD8S	26.	5.25	7.	2.	1.	58.41
+	HYDROGRAPH AT	SMD8W	88.	5.25	32.	8.	3.	58.41
+	ROUTED TO	RMD13	88.	5.50	32.	8.	3.	58.41
+	HYDROGRAPH AT	D83TR	352.	5.42	208.	59.	22.	56.35
+	ROUTED TO	R83R	351.	5.50	208.	59.	22.	56.35
+	HYDROGRAPH AT	D3521W	74.	5.00	25.	6.	2.	58.41
+	2 COMBINED AT	C83I	401.	5.42	227.	64.	23.	66.13

+	DIVERSION TO	S83JW	60.	5.42	16.	4.	1.	66.13
+	HYDROGRAPH AT	S83JS	341.	5.42	211.	60.	22.	66.13
+	ROUTED TO	R83S	341.	5.50	211.	60.	22.	66.13
+	2 COMBINED AT	CMD83	423.	5.50	241.	68.	25.	66.13
+	DIVERSION TO	D83MD	311.	5.50	207.	60.	22.	66.13
+	HYDROGRAPH AT	DMD83	112.	5.50	34.	9.	3.	66.13
+	ROUTED TO	RMD14	110.	5.75	34.	9.	3.	66.13
+	HYDROGRAPH AT	STR9S	81.	5.42	32.	8.	3.	66.67
+	ROUTED TO	R3421S	79.	5.92	32.	8.	3.	66.67
+	HYDROGRAPH AT	34-21	447.	4.67	127.	32.	12.	1.01
+	HYDROGRAPH AT	S83JW	60.	5.42	16.	4.	1.	66.13
+	ROUTED TO	R3421W	53.	6.17	16.	4.	1.	66.13
+	3 COMBINED AT	C34-21	449.	5.58	201.	51.	19.	75.40
+	DIVERSION TO	D3421W	134.	5.00	67.	17.	6.	75.40
+	HYDROGRAPH AT	D3421S	109.	5.00	55.	14.	5.	75.40
+	2 COMBINED AT	CMD8	209.	5.75	87.	22.	8.	75.40
+	DIVERSION TO	SMD9S	55.	5.75	20.	5.	2.	75.40
+	HYDROGRAPH AT	SMD9W	154.	5.75	66.	17.	6.	75.40
+	ROUTED TO	RMD15	153.	5.92	66.	17.	6.	75.40
+	HYDROGRAPH AT	D91TR	283.	5.58	164.	49.	18.	66.67
+	ROUTED TO	R910	282.	5.75	164.	49.	18.	66.67
+	HYDROGRAPH AT	D3421W	134.	5.00	67.	17.	6.	75.40

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+	2 COMBINED AT	C91H	406.	5.75	225.	65.	24.	75.40
+	DIVERSION TO	S91HW	6.	5.58	1.	0.	0.	75.40
+	HYDROGRAPH AT	S91HS	401.	5.75	223.	65.	24.	75.40
+	ROUTED TO	R91P	400.	5.83	223.	65.	24.	75.40
+	2 COMBINED AT	CMD91	553.	5.83	289.	82.	30.	75.40
+	DIVERSION TO	D91MD	480.	5.83	272.	78.	28.	75.40
+	HYDROGRAPH AT	DMD91	72.	5.83	16.	4.	1.	75.40
+	ROUTED TO	RMD16	70.	6.25	16.	4.	1.	75.40
+	HYDROGRAPH AT	STR10S	13.	4.83	3.	1.	0.	70.44
+	ROUTED TO	R3321S	10.	5.92	3.	1.	0.	70.44
+	HYDROGRAPH AT	33-21	375.	4.67	95.	24.	9.	0.99
+	HYDROGRAPH AT	S91HW	6.	5.58	1.	0.	0.	75.40
+	ROUTED TO	R3321W	6.	6.17	1.	0.	0.	75.40
+	3 COMBINED AT	C33-21	375.	4.83	149.	38.	14.	81.26
+	DIVERSION TO	D3321W	102.	4.83	32.	8.	3.	81.26
+	HYDROGRAPH AT	D3321S	63.	4.83	19.	5.	2.	81.26
+	ROUTED TO	RES33	0.	6.92	0.	0.	0.	81.26
+	2 COMBINED AT	CMD9	70.	6.25	16.	4.	1.	81.26
+	DIVERSION TO	SMD10S	26.	6.25	5.	1.	0.	81.26
+	HYDROGRAPH AT	SMD10W	39.	6.25	10.	2.	1.	81.26
+	ROUTED TO	RMD16A	36.	6.83	10.	2.	1.	81.26
+	HYDROGRAPH AT	D99TR	27.	5.17	14.	4.	1.	70.44

+	ROUTED TO	R99J	26.	6.17	14.	4.	1.	70.44
+	HYDROGRAPH AT	D3321W	102.	4.83	32.	8.	3.	81.26
+	2 COMBINED AT	C99E	103.	4.83	43.	12.	4.	81.26
+	DIVERSION TO	S99EW	34.	4.83	11.	3.	1.	81.26
+	HYDROGRAPH AT	S99ES	69.	4.83	32.	9.	3.	81.26
+	ROUTED TO	R99K	67.	5.25	32.	9.	3.	81.26
+	2 COMBINED AT	CMD99	73.	6.67	41.	11.	4.	81.26
+	DIVERSION TO	D99MD	53.	6.67	30.	8.	3.	81.26
+	HYDROGRAPH AT	DMD99	21.	6.67	12.	3.	1.	81.26
+	ROUTED TO	RMD17	19.	7.17	12.	3.	1.	81.26
+	HYDROGRAPH AT	32-21E	138.	4.50	27.	7.	2.	0.24
+	HYDROGRAPH AT	S99EW	34.	4.83	11.	3.	1.	81.26
+	2 COMBINED AT	C3221E	138.	4.75	46.	12.	4.	81.50
+	ROUTED TO	RES32E	3.	6.17	1.	0.	0.	81.50
+	HYDROGRAPH AT	32-21W	466.	4.42	74.	18.	7.	0.77
+	2 COMBINED AT	C3221W	164.	4.58	33.	9.	3.	82.27
+	DIVERSION TO	D3221W	154.	4.58	31.	8.	3.	82.27
+	HYDROGRAPH AT	D3221S	10.	4.58	2.	1.	0.	82.27
+	2 COMBINED AT	CMD10	19.	7.17	13.	4.	1.	82.27
+	DIVERSION TO	SMD11S	1.	6.58	0.	0.	0.	82.27
+	HYDROGRAPH AT	SMD11W	19.	5.67	13.	4.	1.	82.27
+	ROUTED TO	RMD18	18.	6.17	13.	4.	1.	82.27

+	HYDROGRAPH AT	D107TR	19.	5.00	7.	2.	1.	74.28
+	HYDROGRAPH AT	D3221W	154.	4.58	31.	8.	3.	82.27
+	2 COMBINED AT	C107D	168.	4.58	38.	10.	4.	85.02
+	DIVERSION TO	S107BW	0.	4.25	0.	0.	0.	85.02
+	HYDROGRAPH AT	S107BS	168.	4.58	38.	10.	4.	85.02
+	ROUTED TO	R107D	167.	4.67	38.	10.	4.	85.02
+	2 COMBINED AT	CMD107	174.	4.67	49.	13.	5.	85.02
+	DIVERSION TO	D107MD	174.	4.67	49.	13.	5.	85.02
+	HYDROGRAPH AT	DMD107	0.	0.08	0.	0.	0.	85.02
+	ROUTED TO	RMD19	0.	0.08	0.	0.	0.	85.02
+	HYDROGRAPH AT	STR11S	25.	4.92	5.	1.	0.	75.03
+	ROUTED TO	R3121S	20.	5.67	5.	1.	0.	75.03
+	HYDROGRAPH AT	31-21	313.	4.67	74.	18.	7.	0.96
+	HYDROGRAPH AT	S107BW	0.	4.25	0.	0.	0.	85.02
+	3 COMBINED AT	C31-21	341.	5.42	103.	26.	9.	86.73
+	DIVERSION TO	D3121W	54.	4.83	16.	4.	1.	86.73
+	HYDROGRAPH AT	D3121S	36.	4.83	11.	3.	1.	86.73
+	2 COMBINED AT	CMD11	36.	4.83	11.	3.	1.	86.73
+	DIVERSION TO	SMD12S	3.	4.83	0.	0.	0.	86.73
+	HYDROGRAPH AT	SMD12W	33.	4.83	10.	3.	1.	86.73
+	ROUTED TO	RMD20	32.	5.17	10.	3.	1.	86.73
+	HYDROGRAPH AT	D115TR	12.	5.33	7.	2.	1.	75.03

+	ROUTED TO	R115A	12.	5.83	7.	2.	1.	75.03
+	HYDROGRAPH AT	D3121W	54.	4.83	16.	4.	1.	86.73
+	2 COMBINED AT	C115A	59.	4.83	22.	6.	2.	86.73
+	DIVERSION TO	S115AW	15.	4.83	3.	1.	0.	86.73
+	HYDROGRAPH AT	S115AS	44.	4.83	19.	5.	2.	86.73
+	ROUTED TO	R115B	43.	5.25	19.	5.	2.	86.73
+	2 COMBINED AT	CMD115	74.	5.25	29.	8.	3.	86.73
+	DIVERSION TO	D115MD	44.	5.25	17.	4.	2.	86.73
+	HYDROGRAPH AT	DMD115	30.	5.25	12.	3.	1.	86.73
+	ROUTED TO	RMD21	29.	5.58	12.	3.	1.	86.73
+	HYDROGRAPH AT	36-W21	349.	4.50	71.	18.	6.	0.84
+	HYDROGRAPH AT	S115AW	15.	4.83	3.	1.	0.	86.73
+	ROUTED TO	R3621A	13.	5.42	3.	1.	0.	86.73
+	2 COMBINED AT	C36W21	349.	4.67	99.	25.	9.	87.57
+	DIVERSION TO	D36S21	53.	4.75	21.	5.	2.	87.57
+	HYDROGRAPH AT	D36W21	27.	4.75	11.	3.	1.	87.57
+	2 COMBINED AT	CMD12	47.	5.50	21.	6.	2.	87.57
+	DIVERSION TO	SMD13S	7.	5.50	1.	0.	0.	87.57
+	HYDROGRAPH AT	SMD13W	40.	5.50	20.	6.	2.	87.57
+	ROUTED TO	RMD22	39.	5.92	20.	6.	2.	87.57
+	HYDROGRAPH AT	D36S21	53.	4.75	21.	5.	2.	87.57
+	3 COMBINED AT	NULL9	4331.	5.42	2451.	761.	296.	1.00

+	HYDROGRAPH AT	D27MD	452.	6.08	232.	116.	90.	17.26
+	HYDROGRAPH AT	1-12	139.	4.08	17.	4.	2.	0.10
+	2 COMBINED AT	C1-12	456.	6.08	244.	119.	91.	17.36
+	DIVERSION TO	DA1IO	131.	3.75	124.	89.	80.	17.36
+	HYDROGRAPH AT	DI10A	325.	6.08	121.	30.	11.	17.36
+	ROUTED TO	R212W	321.	6.42	120.	30.	11.	17.36
+	HYDROGRAPH AT	D35MD	240.	6.42	164.	46.	18.	18.73
+	HYDROGRAPH AT	SMD1S	768.	6.25	494.	195.	121.	18.65
+	ROUTED TO	R212S	764.	6.42	494.	195.	120.	18.65
+	HYDROGRAPH AT	2-12	218.	4.33	40.	10.	4.	0.23
+	4 COMBINED AT	C2-12	1318.	6.42	803.	278.	152.	19.06
+	DIVERSION TO	DBI10	0.	6.17	0.	0.	0.	19.06
+	HYDROGRAPH AT	DI10B	1318.	6.42	803.	278.	152.	19.06
+	ROUTED TO	R312W	1313.	6.67	803.	278.	150.	19.06
+	HYDROGRAPH AT	D43MD	411.	6.00	240.	67.	24.	21.20
+	HYDROGRAPH AT	SMD2S	651.	5.08	453.	130.	47.	21.20
+	ROUTED TO	R312S	648.	5.25	452.	130.	47.	21.20
+	HYDROGRAPH AT	3-12	115.	4.67	38.	10.	4.	0.24
+	4 COMBINED AT	C3-12	2154.	6.50	1500.	478.	223.	21.77
+	DIVERSION TO	DC1IO	207.	2.75	207.	137.	100.	21.77
+	HYDROGRAPH AT	DI10C	1947.	6.50	1293.	341.	123.	21.77
+	ROUTED TO	R412W	1944.	6.58	1292.	341.	123.	21.77

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+	HYDROGRAPH AT	D51MD	195.	5.42	110.	34.	12.	24.67
+	HYDROGRAPH AT	SMD4S	236.	5.00	131.	35.	12.	24.67
+	HYDROGRAPH AT	SMD3S	303.	5.00	170.	47.	17.	24.67
+	2 COMBINED AT	C4-12	539.	5.00	301.	81.	29.	24.67
+	ROUTED TO	R412S	533.	5.25	300.	81.	29.	24.67
+	HYDROGRAPH AT	4-12	198.	4.25	27.	7.	2.	0.22
+	4 COMBINED AT	CI1051	2617.	5.33	1683.	453.	163.	25.45
+	DIVERSION TO	DDI10	0.	0.08	0.	0.	0.	25.45
+	HYDROGRAPH AT	DI10D	2617.	5.33	1683.	453.	163.	25.45
+	ROUTED TO	R512W	2611.	5.42	1682.	453.	163.	25.45
+	HYDROGRAPH AT	D59MD	506.	5.17	294.	80.	29.	33.71
+	HYDROGRAPH AT	SMD5S	59.	5.08	17.	4.	2.	33.71
+	ROUTED TO	R512S	58.	5.25	17.	4.	2.	33.71
+	HYDROGRAPH AT	5-12	93.	4.50	25.	6.	2.	0.18
+	4 COMBINED AT	C5-12	3082.	5.42	1908.	520.	188.	34.68
+	DIVERSION TO	DEI10	0.	0.08	0.	0.	0.	34.68
+	HYDROGRAPH AT	DI10E	3082.	5.42	1908.	520.	188.	34.68
+	ROUTED TO	R612W	3073.	5.50	1908.	520.	188.	34.68
+	HYDROGRAPH AT	D67MD	470.	5.33	253.	69.	25.	43.82
+	HYDROGRAPH AT	SMD6S	47.	5.17	13.	3.	1.	43.82
+	ROUTED TO	R612S	46.	5.42	13.	3.	1.	43.82
+	HYDROGRAPH AT	6-12	94.	4.50	24.	6.	2.	0.18

S/T 4PRINT

+	4 COMBINED AT	C6-12	3495.	5.50	2109.	576.	208.	44.97
+	DIVERSION TO	DFI10	0.	0.08	0.	0.	0.	44.97
+	HYDROGRAPH AT	DI10F	3495.	5.50	2109.	576.	208.	44.97
+	ROUTED TO	R111W	3487.	5.58	2108.	576.	208.	44.97
+	HYDROGRAPH AT	D75MD	553.	5.25	233.	64.	23.	46.34
+	HYDROGRAPH AT	SMD7S	59.	5.17	19.	5.	2.	46.43
+	ROUTED TO	R111S	56.	5.50	19.	5.	2.	46.43
+	HYDROGRAPH AT	1-11	42.	4.75	16.	4.	1.	0.18
+	4 COMBINED AT	C1-11	4042.	5.58	2334.	639.	231.	47.76
+	DIVERSION TO	DGI10	0.	0.08	0.	0.	0.	47.76
+	HYDROGRAPH AT	DI10G	4042.	5.58	2334.	639.	231.	47.76
+	ROUTED TO	R211W	4036.	5.67	2333.	639.	231.	47.76
+	HYDROGRAPH AT	D83MD	311.	5.50	207.	60.	22.	66.13
+	HYDROGRAPH AT	SMD8S	26.	5.25	7.	2.	1.	58.41
+	ROUTED TO	R211S	25.	5.58	7.	2.	1.	58.41
+	HYDROGRAPH AT	2-11	36.	4.83	14.	4.	1.	0.18
+	DIVERSION TO	D2-11R	2.	4.83	1.	0.	0.	0.18
+	HYDROGRAPH AT	RET211	34.	4.83	13.	3.	1.	0.18
+	4 COMBINED AT	C2-11	4146.	5.67	2408.	665.	240.	67.64
+	DIVERSION TO	DHI10	0.	0.08	0.	0.	0.	67.64
+	HYDROGRAPH AT	DI10H	4146.	5.67	2408.	665.	240.	67.64
+	ROUTED TO	R311W	4140.	5.75	2407.	665.	240.	67.64

+	HYDROGRAPH AT	D91MD	480.	5.83	272.	78.	28.	75.40
+	HYDROGRAPH AT	SMD9S	55.	5.75	20.	5.	2.	75.40
+	ROUTED TO	R311S	54.	5.92	20.	5.	2.	75.40
+	HYDROGRAPH AT	3-11	123.	4.33	24.	6.	2.	0.17
+	4 COMBINED AT	C3-11	4591.	5.75	2653.	737.	266.	77.07
+	DIVERSION TO	DII10	0.	0.08	0.	0.	0.	77.07
+	HYDROGRAPH AT	DI10I	4591.	5.75	2653.	737.	266.	77.07
+	ROUTED TO	R411W	4585.	5.92	2652.	737.	266.	77.07
+	HYDROGRAPH AT	D99MD	53.	6.67	30.	8.	3.	81.26
+	HYDROGRAPH AT	SMD10S	26.	6.25	5.	1.	0.	81.26
+	ROUTED TO	R411S	24.	6.83	5.	1.	0.	81.26
+	HYDROGRAPH AT	4-11	46.	4.83	17.	4.	2.	0.18
+	4 COMBINED AT	C4-11	4585.	5.92	2658.	739.	267.	83.11
+	DIVERSION TO	DJI10	0.	0.08	0.	0.	0.	83.11
+	HYDROGRAPH AT	DI10J	4580.	5.92	2656.	738.	266.	83.11
+	ROUTED TO	R511W	4575.	6.00	2655.	738.	266.	83.11
+	HYDROGRAPH AT	D107MD	174.	4.67	49.	13.	5.	85.02
+	HYDROGRAPH AT	SMD11S	1.	6.58	0.	0.	0.	82.27
+	ROUTED TO	R511S	1.	7.17	0.	0.	0.	82.27
+	HYDROGRAPH AT	5-11	49.	4.83	18.	4.	2.	0.18
+	4 COMBINED AT	C5-11	4594.	6.00	2678.	747.	270.	87.05
+	DIVERSION TO	DKI10	0.	0.08	0.	0.	0.	87.05

+	HYDROGRAPH AT	DI10K	4594.	6.00	2678.	747.	270.	87.05
+	ROUTED TO	R611W	4587.	6.08	2677.	747.	270.	87.05
+	HYDROGRAPH AT	D115MD	44.	5.25	17.	4.	2.	86.73
+	HYDROGRAPH AT	SMD12S	3.	4.83	0.	0.	0.	86.73
+	ROUTED TO	R611S	2.	5.25	0.	0.	0.	86.73
+	HYDROGRAPH AT	6-11	54.	4.75	19.	5.	2.	0.22
+	4 COMBINED AT	C6-11	4609.	6.00	2687.	749.	270.	88.99
+	DIVERSION TO	DLI10	0.	0.08	0.	0.	0.	88.99
+	HYDROGRAPH AT	DI10L	4609.	6.00	2687.	749.	270.	88.99
+	ROUTED TO	R1W11W	4607.	6.17	2685.	749.	270.	88.99
+	HYDROGRAPH AT	SMD13S	7.	5.50	1.	0.	0.	87.57
+	ROUTED TO	R1W11S	4.	6.33	1.	0.	0.	87.57
+	HYDROGRAPH AT	1-W11	114.	4.75	43.	11.	4.	0.37
+	3 COMBINED AT	C1-W11	4624.	6.17	2694.	752.	272.	90.19
+	ROUTED TO	R1W11A	4624.	6.17	2693.	752.	272.	90.19
+	HYDROGRAPH AT	2-W11	27.	4.42	7.	2.	1.	0.09
+	2 COMBINED AT	C2-W11	4624.	6.17	2693.	753.	272.	90.28
+	2 COMBINED AT	NULL10	12362.	5.83	7005.	2093.	778.	1.00

*** NORMAL END OF HEC-1 ***

K/14PRINT

Maryvale ADMS: HEC-1 Output
Existing Conditions: 100-Year, 6-Hour Event

```
1*****************************************
*                                       *
*   FLOOD HYDROGRAPH PACKAGE  (HEC-1)   *
*             MAY   1991                *
*           VERSION 4.0.1E              *
*                                       *
*  RUN DATE  01/26/97  TIME  17:49:30   *
*                                       *
*****************************************
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```
*****************************************
*                                       *
*    U.S. ARMY CORPS OF ENGINEERS       *
*    HYDROLOGIC ENGINEERING CENTER      *
*          609 SECOND STREET            *
*       DAVIS, CALIFORNIA 95616         *
*           (916) 551-1748              *
*                                       *
*****************************************
```

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X     X  XXXXXXX   XXXXX          X
X     X  X        X     X        XX
X     X  X        X              X
XXXXXXX  XXXX     X        XXXXX X
X     X  X        X              X
X     X  X        X     X        X
X     X  XXXXXXX   XXXXX         XXX
```

THIS PROGRAM REPLACES ALL PREVIOUS VERSIONS OF HEC-1 KNOWN AS HEC1 (JAN 73), HEC1GS, HEC1DB, AND HEC1KW.

THE DEFINITIONS OF VARIABLES -RTIMP- AND -RTIOR- HAVE CHANGED FROM THOSE USED WITH THE 1973-STYLE INPUT STRUCTURE.
THE DEFINITION OF -AMSKK- ON RM-CARD WAS CHANGED WITH REVISIONS DATED 28 SEP 81. THIS IS THE FORTRAN77 VERSION
NEW OPTIONS: DAMBREAK OUTFLOW SUBMERGENCE , SINGLE EVENT DAMAGE CALCULATION, DSS:WRITE STAGE FREQUENCY,
DSS:READ TIME SERIES AT DESIRED CALCULATION INTERVAL LOSS RATE:GREEN AND AMPT INFILTRATION
KINEMATIC WAVE: NEW FINITE DIFFERENCE ALGORITHM

1 HEC-1 INPUT PAGE 1

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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

  1           ID   MARYVALE ADMS - FCD#93-29: CH2M HILL & Wood/Patel & Associates
  2           ID   Model for Entire Study Area (Approximately 100 square miles)
  3           ID   Existing Conditions
  4           ID   100Yr-6Hr Event
  5           ID   Clark Unit Hydrograph
  6           ID   6-Hour Rainfall Patterns were used to determine TC & R
  7           ID   Green-Ampt Precipitation Losses
  8           ID   MV100-6 (Base79): SWW\132586\HEC-1
  9           ID   Jauary  1997
 10           ID  ******************************************************************************
 11           ID   HEC-1 ELEMENT NOMENCLATURE
 12           ID   SUB-BASIN HYDROGRAPH:
 13           ID      Example: "17-32N": the sub-basin is Section 17, T3N, R2E
 14           ID
 15           ID   SUB-BASIN DIVERSION:
 16           ID      Example: "D1732S": is the southerly component of divert in Section 17
 17           ID
 18           ID   SUB-BASIN ROUTE:
 19           ID      Example: "R1732S": is the southerly flow route through Sec. 17, T3N, R2E
 20           ID
 21           ID   SUB-BASIN RESERVOIR ROUTE OR SURGE BASIN DIVERT:
 22           ID      Example: "RES17": corresponds to a reservoir route or surge basin divert
 23           ID                        in Sub-basin 17-##
 24           ID
 25           ID   RETENTION BASIN DIVERT:
 26           ID      Example: "RET17": corresponds to retention basin divert in
 27           ID                        Sub-Basin 17-##
 28           ID
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K/71-4PRINT

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 29          ID   SUB-BASIN COMBINE:
 30          ID      Example: "C17-32": corresponds to sub-basin combine in Sec. 17, T3N, R2E
 31          ID
 32          ID   STREET ROUTE:
 33          ID      Example: "RPA1": first route for Peoria Avenue
 34          ID      Example" "R67C": third route for 67th Avenue
 35          ID
 36          ID   STREET CAPACITY DIVERSION:
 37          ID      Example: "SPA1S": first diversion from Peoria Avenue to the south
 38          ID
 39          ID   STREET INTERSECTION DIVERSION:
 40          ID      Example: "RPA67": flow component along Peoria Avenue from diversion at
 41          ID                        Peoria Avenue and 67th Avenue
 42          ID      Example: "R67PA": flow component along 67th Avenue from diversion at
 43          ID                        Peoria Avenue and 67th Avenue
 44          ID
 45          ID   STREET INTERSECTION COMBINE:
 46          ID      Example: "CPA67": hydrograph combine at the intersection of Peoria Avenue
 47          ID                        and 67th Avenue
 48          ID
 49          ID   STREET COMBINE:
 50          ID      Example: "CPA2": second hydrograph combine along Peoria Avenue
 51          ID
 52          ID   "NULL" COMBINE:
 53          ID      Example: "NULL2": dummy hydrograph combine used to free up a HEC-1
 54          ID                        computational path.  Hence, hydrograph is meaningless.
 55          ID
1                                          HEC-1 INPUT                                          PAGE  2

LINE         ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

 56          ID   ******************************************************************************
 57          ID   STREET NAME CODES
 58          ID     Thunderbird Road  = TB
 59          ID     Cactus Road       = CR
 60          ID     Peoria Avenue     = PA
 61          ID     Olive Avenue      = OA
 62          ID     Northern Avenue   = NA
 63          ID     Glendale Avenue   = GA
 64          ID     Bethany Home Road = BH
 65          ID     Camelback Road    = CB
 66          ID     Indian School Road= IS
 67          ID     Thomas Road       = TR
 68          ID     McDowell Road     = MD
 69          ID   ******************************************************************************
 70          ID
             *DIAGRAM
 71          IT       5                    800
 72          IO       5
 73          IN      15
 74          JD    3.06    0.01
 75          PC    .000    .008    .016    .025    .033    .041    .050    .058    .066    .074
 76          PC    .087    .099    .118    .138    .216    .377    .834    .911    .931    .950
 77          PC    .962    .972    .983    .991   1.000
 78          JD    3.04    0.50
 79          JD   3.024     .90
 80          PC    .000    .008    .016    .025    .033    .041    .050    .058    .066    .075
 81          PC    .087    .099    .119    .147    .229    .403    .785    .885    .920    .946
 82          PC    .958    .969    .980    .990   1.000
 83          JD   3.020    1.00
 84          PC    .000    .008    .016    .025    .033    .041    .050    .058    .066    .075
 85          PC    .087    .099    .119    .148    .230    .407    .778    .881    .919    .945
 86          PC    .957    .968    .980    .990   1.000
 87          JD    3.00    2.80
 88          PC    .000    .009    .016    .025    .034    .042    .051    .059    .067    .076
 89          PC    .087    .100    .120    .163    .252    .451    .694    .837    .900    .938
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 90          PC    .950    .963    .975    .988   1.000
 91          JD   2.82    16.0
 92          PC    .000    .015    .020    .030    .048    .063    .076    .090    .105    .119
 93          PC    .135    .152    .175    .222    .304    .472    .670    .796    .868    .912
 94          PC    .946    .960    .973    .987   1.000
 95          JD   2.48    90.0
 96          PC    .000    .021    .035    .051    .071    .087    .105    .125    .143    .160
 97          PC    .179    .201    .232    .281    .364    .500    .658    .773    .841    .888
 98          PC    .927    .945    .964    .982   1.000
 99          JD   1.74   500.0
100          PC    .000    .024    .043    .059    .078    .098    .119    .141    .162    .186
101          PC    .212    .239    .271    .321    .408    .515    .627    .735    .814    .864
102          PC    .907    .930    .954    .977   1.000
             *
             *   Thunderbird Road Computation Path
             *
1                                    HEC-1 INPUT                                          PAGE  3

LINE         ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

103          KK    7-32
104          KM   SUB-BASIN 7-32
105          KM   6-HOUR RAINFALL, PATTERN NO. 1.00 WAS USED TO FIND TC & R FOR THIS BASIN
106          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .997
107          KM     L =  .77  Kb = .064  Adj. Slope =   17.0
108          BA    .249
109          LG    .210    .170   9.700    .050  22.000
110          UC    .667    .423
111          UA      0       5      16      30      65      77      84      90      94      97
112          UA    100

113          KK   RET7
114          KM   RETENTION BASIN DIVERSION
115          KM   SUB-BASIN 7-32
116          KM   29% OF SUB-BASIN DRAINS TO RETENTION BASIN
117          DT   D7-32    1.44
118          DI       0  10000.
119          DQ       0   2900.

120          KK   DTB67
121          KM   STREET INTERSECTION DIVERSION
122          KM   67TH & THUNDERBIRD
123          KM   47% West & 53% South
124          DT   D67TB
125          DI       0  10000.
126          DQ       0   5300.

127          KK   RTB1
128          KM   STREET ROUTE
129          KM   WEST
130          KM   THUNDERBIRD
131          RS       3    FLOW     -1.
132          RC    0.02   0.016    0.02   2650.  0.0029
133          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
134          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

135          KK   12-31
136          KM   SUB-BASIN 12-31
137          KM   6-HOUR RAINFALL, PATTERN NO. 1.41 WAS USED TO FIND TC & R FOR THIS BASIN
138          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .987
139          KM     L = 1.05  Kb = .072  Adj. Slope =   17.0
140          BA   1.019
141          LG    .310    .160   7.000    .150  16.000
142          UC   1.004    .382
143          UA      0       5      16      30      65      77      84      90      94      97
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K/14-PRINT

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 144          UA     100

 145          KK  D1231S
 146          KM   SUB-BASIN DIVERSION
 147          KM   SUB-BASIN 12-31
 148          KM   64% West & 36% South
 149          DT  D1231W
 150          DI       0  10000.
 151          DQ       0   6400.
1                                        HEC-1 INPUT                                                PAGE  4

LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


 152          KK   CTB1
 153          KM   EAST/WEST STREET COMBINE
 154          KM   THUNDERBIRD
 155          HC       2   1.269

 156          KK   STB1W
 157          KM   STREET CAPACITY DIVERSION
 158          KM   THUNDERBIRD AVENUE
 159          KM   DIVERSION TO SOUTH
 160          DT   STB1S
 161          DI       0     41.     83.   1213.   2087.
 162          DQ       0     0.1     24.    565.    975.

 163          KK   RTB2
 164          KM   STREET ROUTE
 165          KM   WEST
 166          KM   THUNDERBIRD
 167          RS       3    FLOW     -1.
 168          RC    0.02   0.016    0.02   2650.  0.0023
 169          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
 170          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

 171          KK  D1231W
 172          KM   RETRIEVAL OF SUB-BASIN DIVERSION
 173          KM   SUB-BASIN 12-31
 174          DR  D1231W

 175          KK   S75AS
 176          KM   STREET CAPACITY DIVERSION
 177          KM   75TH AVENUE
 178          KM   DIVERSION TO WEST
 179          DT   S75AW
 180          DI       0     44.    102.   1609.   2769.
 181          DQ       0     0.1     40.    918.   1584.

 182          KK   R75A
 183          KM   STREET ROUTE
 184          KM   SOUTH
 185          KM   75TH Avenue
 186          RS       3    FLOW     -1.
 187          RC    0.02   0.016    0.02   2620.  0.0034
 188          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
 189          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

 190          KK   CTB75
 191          KM   INTERSECTION COMBINE
 192          KM   THUNDERBIRD & 75TH
 193          HC       2   1.269
1                                        HEC-1 INPUT                                                PAGE  5

LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10
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194          KK   DTB75
195          KM   STREET INTERSECTION DIVERSION
196          KM   THUNDERBIRD & 75TH
197          KM   54% West & 46% South
198          DT   D75TB
199          DI       0  10000.
200          DQ       0   4600.

201          KK   RTB3
202          KM   STREET ROUTE
203          KM   WEST
204          KM   THUNDERBIRD
205          RS       3    FLOW     -1.
206          RC    0.02   0.016    0.02   2700.  0.0032
207          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
208          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

209          KK    2-31
210          KM   SUB-BASIN 2-31
211          KM   6-HOUR RAINFALL, PATTERN NO. 1.00 WAS USED TO FIND TC & R FOR THIS BASIN
212          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .996
213          KM     L = 1.00  Kb = .079  Adj. Slope =   26.0
214          BA    .287
215          LG    .420    .250   4.700    .440   7.000
216          UC   1.008    .761
217          UA       0       5      16      30      65      77      84      90      94      97
218          UA     100

219          KK   D231S
220          KM   SUB-BASIN DIVERSION
221          KM   SUB-BASIN 2-31
222          KM   77% WEST & 23% SOUTH
223          DT   D231W
224          DI       0  10000.
225          DQ       0   7700.

226          KK  R1131S
227          KM   SUB-BASIN STREET ROUTE
228          KM   SOUTH
229          KM   RW= 50'
230          KM   PAV= 35'
231          RS       6    FLOW     -1.
232          RC    0.02   0.016    0.02   5350.  0.0026
233          RX       0     0.1     7.5    17.5    32.5    42.5     50.    50.1
234          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

235          KK   11-31
236          KM   SUB-BASIN 11-31
237          KM   6-HOUR RAINFALL, PATTERN NO. 1.40 WAS USED TO FIND TC & R FOR THIS BASIN
238          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .987
239          KM     L = 1.38  Kb = .075  Adj. Slope =   17.0
240          BA    .998
241          LG    .370    .200   6.600    .190  11.000
242          UC   1.371    .680
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LINE         ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

243          UA       0       5      16      30      65      77      84      90      94      97
244          UA     100

245          KK   S75AW
246          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
247          DR   S75AW
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 248          KK  R1131W
 249          KM   SUB-BASIN STREET ROUTE
 250          KM   West
 251          KM   RW= 270'
 252          KM   PAV= 183'
 253          RS       5    FLOW     -1.
 254          RC    0.02   0.016    0.02   5290.  0.0036
 255          RX       0     0.1    43.5    53.5   216.5   226.5    270.   270.1
 256          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

 257          KK  C11-31
 258          KM   SUB-BASIN COMBINE
 259          HC       3   2.554

 260          KK  D1131S
 261          KM   SUB-BASIN DIVERSION
 262          KM   SUB-BASIN 11-31
 263          KM   70% West & 30% South
 264          DT  D1131W
 265          DI       0  10000.
 266          DQ       0   7000.

 267          KK   CTB2
 268          KM   EAST/WEST STREET COMBINE
 269          KM   THUNDERBIRD
 270          HC       2   2.554

 271          KK   STB2W
 272          KM   STREET CAPACITY DIVERSION
 273          KM   THUNDERBIRD
 274          KM   DIVERSION TO SOUTH
 275          DT   STB2S
 276          DI       0     46.     83.   1119.   1924.
 277          DQ       0     0.1     17.    388.    670.

 278          KK   RTB4
 279          KM   STREET ROUTE
 280          KM   WEST
 281          KM   THUNDERBIRD
 282          RS       2    FLOW     -1.
 283          RC    0.02   0.016    0.02   2630.  0.0038
 284          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
 285          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
1                                          HEC-1 INPUT                                                    PAGE  7

LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


 286          KK  D1131W
 287          KM   RETRIEVAL OF SUB-BASIN DIVERSION
 288          KM   SUB-BASIN 11-31
 289          DR  D1131W

 290          KK   R83A
 291          KM   STREET ROUTE
 292          KM   SOUTH
 293          KM   83RD Avenue
 294          RS       3    FLOW     -1.
 295          RC    0.02   0.016    0.02   2620.  0.0028
 296          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
 297          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

 298          KK   CTB83
 299          KM   INTERSECTION COMBINE
 300          KM   THUNDERBIRD & 83RD
 301          HC       2   2.554
```


KC/14PRINT

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302          KK   DTB83
303          KM   STREET INTERSECTION DIVERSION
304          KM   THUNDERBIRD & 83RD
305          KM   50% West & 50% South
306          DT   D83TB
307          DI       0  10000.
308          DQ       0   5000.

309          KK   10-31
310          KM   SUB-BASIN 10-31
311          KM   6-HOUR RAINFALL, PATTERN NO. 1.00 WAS USED TO FIND TC & R FOR THIS BASIN
312          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .999
313          KM     L =  .86  Kb = .083  Adj. Slope =   20.0
314          BA    .114
315          LG    .400    .150   8.000    .130  19.000
316          UC    .854    .949
317          UA       0       5      16      30      65      77      84      90      94      97
318          UA     100

319          KK  CADOT1
320          KM   SUB-BASIN COMBINE
321          KM   CADOT1 ADOT CHANNEL ALONG FREEWAY
322          HC       2   2.668

323          KK  ADOT1W
324          KM   DIVERT 100% OF FLOW IN ADOT CHANNEL TO THE SOUTH
325          KM     UNDER THUNDERBIRD ROAD.
326          KM   THIS DIVERT ALLOWS THE TRACKING OF FLOW IN THE ADOT CHANNEL.
327          KM   THE DIVERTED FLOW WILL BE ADDED TO "D1531W" WITHIN BASIN 15-31.
328          KM   WITHIN BASIN 15-31 THE ADOT CHANNEL OUTFALLS TO THE NEW RIVER.
329          DT  ADOT1S
330          DI       0.  10000.
331          DQ       0.  10000.
             *
             *   Cactus Road Computation Path
             *
```



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LINE         ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

332          KK   17-32
333          KM   SUB-BASIN 17-32
334          KM   6-HOUR RAINFALL, PATTERN NO. 1.00 WAS USED TO FIND TC & R FOR THIS BASIN
335          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .996
336          KM     L =  .88  Kb = .088  Adj. Slope =   14.0
337          BA    .285
338          LG    .370    .140   8.800    .090  19.000
339          UC   1.050    .721
340          UA       0       5      16      30      65      77      84      90      94      97
341          UA     100

342          KK   RET17
343          KM   RETENTION BASIN DIVERSION
344          KM   SUB-BASIN 17-32
345          KM   35% OF SUB-BASIN DRAINS TO RETENTION BASIN
346          DT   D1732    4.78
347          DI       0  10000.
348          DQ       0   3500.

349          KK   DCR59
350          KM   STREET INTERSECTION DIVERSION
351          KM   CACTUS & 59TH
352          KM   47% West & 53% South
353          DT   D59CR
```


K/L 4-PRINT

```
354          DI       0  10000.
355          DQ       0   5300.

356          KK   RCR1
357          KM   STREET ROUTE
358          KM   WEST
359          KM   CACTUS
360          RS       2    FLOW     -1.
361          RC    0.02   0.016    0.02   2545.  0.0041
362          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
363          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

364          KK   18-32
365          KM   SUB-BASIN 18-32
366          KM   6-HOUR RAINFALL, PATTERN NO. 1.34 WAS USED TO FIND TC & R FOR THIS BASIN
367          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .988
368          KM     L = 1.20  Kb = .079  Adj. Slope =   16.0
369          BA    .906
370          LG    .310    .150   7.300    .140  24.000
371          UC   1.196    .552
372          UA       0       5      16      30      65      77      84      90      94      97
373          UA     100

374          KK  D1832S
375          KM   SUB-BASIN DIVERSION
376          KM   SUB-BASIN 18-32
377          KM   48% West & 52% South
378          DT  D1832W
379          DI       0  10000.
380          DQ       0   4800.
```



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LINE         ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

381          KK   CCR1
382          KM   EAST/WEST STREET COMBINE
383          KM   CACTUS
384          HC       2   1.439

385          KK   SCR1W
386          KM   STREET CAPACITY DIVERSION
387          KM   CACTUS
388          KM   DIVERSION TO SOUTH
389          DT   SCR1S
390          DI       0     51.    110.   1435.   2450.
391          DQ       0     0.1     38.    632.   1074.

392          KK   RCR2
393          KM   STREET ROUTE
394          KM   WEST
395          KM   CACTUS
396          RS       2    FLOW     -1.
397          RC    0.02   0.016    0.02   2545.  0.0041
398          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
399          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

400          KK   D67TB
401          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
402          KM   THUNDERBIRD & 67TH
403          DR   D67TB

404          KK   R67A
405          KM   STREET ROUTE
406          KM   SOUTH
407          KM   67TH Avenue
```


1-4PRINT

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408          RS      3    FLOW     -1.
409          RC   0.02   0.016    0.02   2600.  0.0036
410          RX   44.9     45.     66.    66.1    134.   134.1    155.   155.1
411          RY    4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

412          KK  D1832W
413          KM   RETRIEVAL OF SUB-BASIN DIVERSION
414          KM   SUB-BASIN 18-32
415          DR  D1832W

416          KK   C67A
417          KM   NORTH/SOUTH STREET COMBINE
418          KM   67TH AVENUE
419          HC      2   1.439

420          KK   S67AS
421          KM   STREET CAPACITY DIVERSION
422          KM   67TH
423          KM   DIVERSION TO WEST
424          DT   S67AW
425          DI      0     47.    137.   1928.   3288.
426          DQ      0     0.1     71.   1190.   2021.
```



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LINE         ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

427          KK   R67B
428          KM   STREET ROUTE
429          KM   SOUTH
430          KM   67TH Avenue
431          RS      3    FLOW     -1.
432          RC   0.02   0.016    0.02   2600.  0.0032
433          RX   44.9     45.     66.    66.1    134.   134.1    155.   155.1
434          RY    4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

435          KK   CCR67
436          KM   INTERSECTION COMBINE
437          KM   CACTUS & 67TH
438          HC      2   1.439

439          KK   DCR67
440          KM   STREET INTERSECTION DIVERSION
441          KM   CACTUS & 67TH
442          KM   DIVERSION SOUTH
443          KM   45% West & 55% South
444          KM   EXISTING STORM DRAIN ALONG CACTUS ROAD
445          KM   CAP= 213 CFS WEST
446          DT   D67CR
447          DI      0    213.  10213.
448          DQ      0     0.1   5500.

449          KK   RCR3
450          KM   STREET ROUTE
451          KM   WEST
452          KM   CACTUS
453          RS      3    FLOW     -1.
454          RC   0.02   0.016    0.02   2660.  0.0025
455          RX   44.9     45.     66.    66.1    134.   134.1    155.   155.1
456          RY    4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

457          KK   STB1S
458          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
459          DR   STB1S

460          KK  R1331S
```


1K7 4PRINT

```
461          KM   SUB-BASIN STREET ROUTE
462          KM   SOUTH
463          KM   RW= 220'
464          KM   PAV= 148'
465          RS       4    FLOW     -1.
466          RC    0.02   0.016    0.02   5240.  0.0050
467          RX       0     0.1    36.0    46.0   136.0   146.0    220.   220.1
468          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

469          KK   13-31
470          KM   SUB-BASIN 13-31
471          KM   6-HOUR RAINFALL, PATTERN NO. 1.40 WAS USED TO FIND TC & R FOR THIS BASIN
472          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .987
473          KM     L = 1.37  Kb = .075  Adj. Slope =   17.0
474          BA   1.003
1                                    HEC-1 INPUT                                          PAGE 11

LINE         ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

475          LG    .300    .160   9.700    .060  21.000
476          UC   1.188    .575
477          UA       0       5      16      30      65      77      84      90      94      97
478          UA     100

479          KK   S67AW
480          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
481          KM   67TH
482          DR   S67AW

483          KK  R1331W
484          KM   SUB-BASIN STREET ROUTE
485          KM   West
486          KM   RW= 320'
487          KM   PAV= 218'
488          RS       5    FLOW     -1.
489          RC    0.02   0.016    0.02   5310.  0.0033
490          RX       0     0.1    51.0    61.0   259.0   269.0    320.   320.1
491          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

492          KK  C13-31
493          KM   SUB-BASIN COMBINE
494          HC       3   3.462

495          KK  D1331S
496          KM   SUB-BASIN DIVERSION
497          KM   SUB-BASIN 13-31
498          KM   50% West & 50% South
499          DT  D1331W
500          DI       0  10000.
501          DQ       0   5000.

502          KK   CCR2
503          KM   EAST/WEST STREET COMBINE
504          KM   CACTUS
505          HC       2   3.462

506          KK   SCR2W
507          KM   STREET CAPACITY DIVERSION
508          KM   CACTUS
509          KM   DIVERSION TO SOUTH
510          KM   STORM DRAIN ALONG CACTUS ROAD
511          KM   CAP= 367.0 CFS
512          DT   SCR2S
513          DI       0    410.    461.   1793.   2820.
514          DQ       0     0.1     32.    741.   1279.
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```
515          KK   RCR4
516          KM   STREET ROUTE
517          KM   WEST
518          KM   CACTUS
519          RS       3    FLOW     -1.
520          RC    0.02   0.016    0.02   2670.  0.0034
521          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
522          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
```



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LINE         ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

523          KK   D75TB
524          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
525          KM   75TH & THUNDERBIRD
526          DR   D75TB

527          KK   R75B
528          KM   STREET ROUTE
529          KM   SOUTH
530          KM   75TH Avenue
531          RS       2    FLOW     -1.
532          RC    0.02   0.016    0.02   2620.  0.0045
533          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
534          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

535          KK  D1331W
536          KM   RETRIEVAL OF SUB-BASIN DIVERSION
537          KM   SUB-BASIN 13-31
538          DR  D1331W

539          KK   C75A
540          KM   NORTH/SOUTH STREET COMBINE
541          KM   75TH AVENUE
542          HC       2   3.462

543          KK   S75BS
544          KM   STREET CAPACITY DIVERSION
545          KM   75TH
546          KM   DIVERSION TO WEST
547          DT   S75BW
548          DI       0     47.     84.   1137.   1954.
549          DQ       0     0.1     17.    388.    670.

550          KK   R75C
551          KM   STREET ROUTE
552          KM   SOUTH
553          KM   75TH Avenue
554          RS       3    FLOW     -1.
555          RC    0.02   0.016    0.02   2660.  0.0026
556          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
557          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

558          KK   CCR75
559          KM   INTERSECTION COMBINE
560          KM   CACTUS & 75TH
561          HC       2   3.462

562          KK   DCR75
563          KM   STREET INTERSECTION DIVERSION
564          KM   CACTUS & 75TH
565          KM   46% West & 54% South
566          KM   DIVERSION SOUTH
567          KM   EXISTING STORM DRAIN ALONG CACTUS ROAD
568          KM   CAP= 489 CFS WEST
```

```
569          DT   D75CR
1                                          HEC-1 INPUT                                                    PAGE 13

LINE         ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

570          DI       0    489.  10489.
571          DQ       0     0.1   5400.

572          KK   RCR5
573          KM   STREET ROUTE
574          KM   WEST
575          KM   CACTUS
576          RS       3    FLOW     -1.
577          RC    0.02   0.016    0.02   2670.  0.0031
578          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
579          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

580          KK   STB2S
581          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
582          DR   STB2S

583          KK  R1431S
584          KM   SUB-BASIN STREET ROUTE
585          KM   SOUTH
586          KM   RW= 220'
587          KM   PAV= 148'
588          RS       5    FLOW     -1.
589          RC    0.02   0.016    0.02   5220.  0.0034
590          RX       0     0.1    36.0    46.0   174.0   184.0    220.   220.1
591          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

592          KK   14-31
593          KM   SUB-BASIN 14-31
594          KM   6-HOUR RAINFALL, PATTERN NO. 1.41 WAS USED TO FIND TC & R FOR THIS BASIN
595          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .987
596          KM     L = 1.32  Kb = .079  Adj. Slope =   18.0
597          BA   1.008
598          LG    .290    .150   8.400    .090  26.000
599          UC   1.179    .552
600          UA       0       5      16      30      65      77      84      90      94      97
601          UA     100

602          KK   RET14
603          KM   RETENTION BASIN DIVERSION
604          KM   SUB-BASIN 14-31
605          KM   9% OF SUB-BASIN DRAINS TO RETENTION BASIN
606          DT  D14-31    4.95
607          DI       0  10000.
608          DQ       0    900.

609          KK   S75BW
610          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
611          DR   S75BW

612          KK  R1431W
613          KM   SUB-BASIN STREET ROUTE
614          KM   West
615          KM   RW= 120'
616          KM   PAV= 78'
617          RS       6    FLOW     -1.
1                                          HEC-1 INPUT                                                    PAGE 14

LINE         ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

618          RC    0.02   0.016    0.02   5340.  0.0025
619          RX       0     0.1    21.0    31.0    89.0    99.0    120.   120.1
```


S74PRINT

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620          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

621          KK  C14-31
622          KM   SUB-BASIN COMBINE
623          HC       3   5.755

624          KK  D1431S
625          KM   SUB-BASIN DIVERSION
626          KM   SUB-BASIN 14-31
627          KM   48% West & 52% South
628          DT  D1431W
629          DI       0  10000.
630          DQ       0   4800.

631          KK   CCR3
632          KM   EAST/WEST STREET COMBINE
633          KM   CACTUS
634          HC       2   5.755

635          KK   SCR3W
636          KM   STREET CAPACITY DIVERSION
637          KM   CACTUS
638          KM   DIVERSION TO SOUTH
639          KM   STORM DRAIN ALONG CACTUS ROAD
640          KM   CAP= 777.0 CFS
641          DT   SCR3S
642          DI       0    819.    885.   2543.   3817.
643          DQ       0     0.1     47.   1094.   1888.

644          KK   RCR6
645          KM   STREET ROUTE
646          KM   WEST
647          KM   CACTUS
648          RS       3    FLOW     -1.
649          RC    0.02   0.016    0.02   2660.  0.0026
650          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
651          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

652          KK   D83TB
653          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
654          KM   83RD & THUNDERBIRD
655          DR   D83TB

656          KK   R83B
657          KM   STREET ROUTE
658          KM   SOUTH
659          KM   83RD
660          RS       3    FLOW     -1.
661          RC    0.02   0.016    0.02   2620.  0.0027
662          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
663          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
```



```
LINE         ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

664          KK  D1431W
665          KM   RETRIEVAL OF SUB-BASIN DIVERSION
666          KM   SUB-BASIN 14-31
667          DR  D1431W

668          KK   C83A
669          KM   NORTH/SOUTH STREET COMBINE
670          KM   83RD AVENUE
671          HC       2   5.755
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672          KK   S83AS
673          KM   STREET CAPACITY DIVERSION
674          KM   83RD
675          KM   DIVERSION TO WEST
676          DT   S83AW
677          DI       0     44.    110.   1791.   3082.
678          DQ       0     0.1     47.   1094.   1888.

679          KK   R83C
680          KM   STREET ROUTE
681          KM   SOUTH
682          KM   83RD Avenue
683          RS       3    FLOW     -1.
684          RC    0.02   0.016    0.02   2600.  0.0032
685          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
686          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

687          KK   CCR83
688          KM   INTERSECTION COMBINE
689          KM   CACTUS & 83RD
690          HC       2   5.755

691          KK   DCR83
692          KM   STREET INTERSECTION DIVERSION
693          KM   CACTUS & 83RD
694          KM   46% West & 54% South
695          KM   DIVERSION SOUTH
696          KM   EXISTING STORM DRAIN ALONG CACTUS ROAD
697          KM   CAP= 823 CFS WEST
698          DT   D83CR
699          DI       0    823.  10823.
700          DQ       0     0.1   5400.

701          KK   RCR7
702          KM   STREET ROUTE
703          KM   WEST
704          KM   CACTUS
705          RS       3    FLOW     -1.
706          RC    0.02   0.016    0.02   2640.  0.0029
707          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
708          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
```



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LINE         ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

709          KK   15-31
710          KM   SUB-BASIN 15-31
711          KM   6-HOUR RAINFALL, PATTERN NO. 1.30 WAS USED TO FIND TC & R FOR THIS BASIN
712          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .989
713          KM     L = 1.43  Kb = .071  Adj. Slope =   18.0
714          BA    .844
715          LG    .370    .170   7.300    .140  12.000
716          UC   1.237    .687
717          UA       0       5      16      30      65      77      84      90      94      97
718          UA     100

719          KK   S83AW
720          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
721          DR   S83AW

722          KK  R1531W
723          KM   SUB-BASIN STREET ROUTE
724          KM   West
725          KM   RW= 320'
726          KM   PAV= 218'
```

```
727          RS       5    FLOW     -1.
728          RC    0.02   0.016    0.02   4450.  0.0033
729          RX       0     0.1    51.0    61.0   259.0   269.0    320.   320.1
730          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

731          KK  C15-31
732          KM   SUB-BASIN COMBINE
733          HC       2   6.710

734          KK  D1531S
735          KM   SUB-BASIN DIVERSION
736          KM   SUB-BASIN 15-31
737          KM   23% West & 77% South
738          DT  D1531W
739          DI       0  10000.
740          DQ       0   2300.

741          KK   CCR4
742          KM   EAST/WEST STREET COMBINE
743          KM   CACTUS & 83RD
744          HC       2   6.710

745          KK   SCR4W
746          KM   STREET CAPACITY DIVERSION
747          KM   CACTUS
748          KM   DIVERSION TO SOUTH
749          KM   STORM DRAIN ALONG CACTUS ROAD
750          KM   CAP= 1000.0 CFS
751          DT   SCR4S
752          DI       0   1041.   1074.   2005.   2728.
753          DQ       0     0.1     15.    353.    609.
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LINE         ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

754          KK   RCR8
755          KM   STREET ROUTE
756          KM   WEST
757          KM   CACTUS
758          RS       3    FLOW     -1.
759          RC    0.02   0.016    0.02   2620.  0.0024
760          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
761          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

762          KK  22-31E
763          KM   SUB-BASIN 22-31E
764          KM   6-HOUR RAINFALL, PATTERN NO. 1.01 WAS USED TO FIND TC & R FOR THIS BASIN
765          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .993
766          KM     L = 1.18  Kb = .075  Adj. Slope =   15.0
767          BA    .512
768          LG    .390    .130  10.100    .050  19.000
769          UC   1.096    .685
770          UA       0       5      16      30      65      77      84      90      94      97
771          UA     100

772          KK  D2231E
773          KM   SUB-BASIN DIVERSION
774          KM   SUB-BASIN 22-31E
775          KM   36% NORTHWEST & 64% SOUTHEAST
776          KM   DIVERSION IS TO THE SOUTHEAST
777          KM   MAIN COMPUTATION PATH IS TO THE NORTHWEST
778          DT  D2231S
779          DI       0  10000.
780          DQ       0   6400.
```


K/1 4-PRINT

```
781          KK   SCR4S
782          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
783          KM   CACTUS
784          DR   SCR4S

785          KK  C2231N
786          KM   SUB-BASIN COMBINE
787          HC       2     7.2

788          KK  R2231E
789          KM   SUB-BASIN STREET ROUTE
790          KM   WEST
791          KM   RW= 100'
792          KM   PAV= 70'
793          RS       6    FLOW     -1.
794          RC    0.02   0.016    0.02   4350.  0.0021
795          RX       0     0.1    15.0    25.0    75.0    85.0    100.   100.1
796          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0
```



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LINE         ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

797          KK  CADOT3
798          KM   ADOT CHANNEL @ GRAND AVE
799          HC       2    11.6

800          KK  R2231N
801          KM   SUB-BASIN STREET ROUTE
802          KM   WEST
803          KM   RW= 100'
804          KM   PAV= 70'
805          RS       5    FLOW     -1.
806          RC    0.02   0.016    0.02   6150.  0.0045
807          RX       0     0.1    15.0    25.0    75.0    85.0    100.   100.1
808          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

809          KK  ADOT1S
810          KM   RETRIEVE FLOW IN ADOT CHANNEL "1"
811          DR  ADOT1S

812          KK  RADOT1
813          KM   AGUA FRIA FRWY CHANNEL ROUTE
814          KM   SOUTH
815          KM   BOTTOM WIDTH = 30'
816          KM   TOP WIDTH =  70'
817          KM   DEPTH = 10'
818          KM   SIDE SLOPES = 2:1
819          RS       1    FLOW     -1.
820          RC   0.016   0.016   0.016   5780.  0.0043
821          RX       0     10.    15.0    20.0    50.0    55.0    60.0    70.0
822          RY    10.0      5.     2.5     0.0     0.0     2.5      5.    10.0

823          KK  D1531W
824          KM   RETRIEVAL OF SUB-BASIN DIVERSION
825          KM   SUB-BASIN 15-31
826          DR  D1531W

827          KK  CADOT2
828          KM   FLOW IN ADOT CHANNEL "1" AT OUTFALL
829          HC       2  6.824

830          KK   NULL1
831          KM    NULL COMBINE OF FLOW IN ADOT CHANNELS
832          KM    @ CACTUS RD. C.P.
833          HC       3     1.
```


1C/14PRINT

```
                 *
                 *  Peoria Avenue Computation Path
                 *

834              KK   21-32
835              KM   SUB-BASIN 21-32
836              KM   6-HOUR RAINFALL, PATTERN NO. 1.00 WAS USED TO FIND TC & R FOR THIS BASIN
837              KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .995
838              KM     L =  .82  Kb = .080  Adj. Slope =   13.0
839              BA    .399
840              LG    .240    .150   8.800    .070  35.000
1                                             HEC-1 INPUT                                          PAGE 19

LINE             ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

841              UC    .917    .484
842              UA       0       5      16      30      65      77      84      90      94      97
843              UA     100

844              KK  D2132S
845              KM   SUB-BASIN DIVERSION
846              KM   SUB-BASIN 21-32
847              KM   30% West & 70% South
848              DT  D2132W
849              DI       0  10000.
850              DQ       0   3000.

851              KK   SPA1W
852              KM   STREET CAPACITY DIVERSION
853              KM   PEORIA AVENUE
854              KM   DIVERSION TO SOUTH
855              DT   SPA1S
856              DI       0     46.    115.   1551.   2647.
857              DQ       0     0.1     49.    818.   1389.

858              KK   RPA1
859              KM   STREET ROUTE
860              KM   WEST
861              KM   PEORIA
862              RS       3    FLOW     -1.
863              RC    0.02   0.016    0.02   2635.  0.0034
864              RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
865              RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

866              KK  D2132W
867              KM   RETRIEVAL OF SUB-BASIN DIVERSION
868              KM   SUB-BASIN 21-32
869              DR  D2132W

870              KK   S51AS
871              KM   STREET CAPACITY DIVERSION
872              KM   51ST AVENUE
873              KM   DIVERSION TO WEST
874              DT   S51AW
875              DI       0     38.    114.   1602.   2731.
876              DQ       0     0.1     60.   1004.   1705.

877              KK   R51A
878              KM   STREET ROUTE
879              KM   SOUTH
880              KM   51ST Avenue
881              RS       3    FLOW     -1.
882              RC    0.02   0.016    0.02   2635.  0.0024
883              RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
884              RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
1                                             HEC-1 INPUT                                          PAGE 20
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

 885          KK   CPA51
 886          KM   INTERSECTION COMBINE
 887          KM   PEORIA & 51ST
 888          HC       2   0.398

 889          KK   DPA51
 890          KM   STREET INTERSECTION DIVERSION
 891          KM   PEORIA & 51ST
 892          KM   44% West & 56% South
 893          DT   D51PA
 894          DI       0  10000.
 895          DQ       0   5600.

 896          KK   RPA2
 897          KM   STREET ROUTE
 898          KM   WEST
 899          KM   PEORIA
 900          RS       2    FLOW     -1.
 901          RC    0.02   0.016    0.02   2630.  0.0041
 902          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
 903          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

 904          KK   20-32
 905          KM   SUB-BASIN 20-32
 906          KM   6-HOUR RAINFALL, PATTERN NO. 1.39 WAS USED TO FIND TC & R FOR THIS BASIN
 907          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .987
 908          KM     L = 1.35  Kb = .071  Adj. Slope =   17.0
 909          BA    .985
 910          LG    .250    .160   8.800    .070  31.000
 911          UC   1.108    .532
 912          UA       0       5      16      30      65      77      84      90      94      97
 913          UA     100

 914          KK   RET20
 915          KM   RETENTION BASIN DIVERSION
 916          KM   SUB-BASIN 20-32
 917          KM   16% OF SUB-BASIN DRAINS TO RETENTION BASIN
 918          DT  D2032R    8.93
 919          DI       0  10000.
 920          DQ       0   1600.

 921          KK   S51AW
 922          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
 923          KM   51ST
 924          DR   S51AW

 925          KK  R2032W
 926          KM   SUB-BASIN STREET ROUTE
 927          KM   WEST
 928          KM   RW= 270'
 929          KM   PAV= 183'
 930          RS       5    FLOW     -1.
 931          RC    0.02   0.016    0.02   5270.  0.0034
 932          RX       0     0.1    43.5    53.5   216.5   226.5    270.   270.1
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

 933          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

 934          KK  C20-32
 935          KM   SUB-BASIN COMBINE
```

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936          HC      2     1.4

937          KK  D2032S
938          KM   SUB-BASIN DIVERSION
939          KM   SUB-BASIN 20-32
940          KM   28% West & 72% South
941          DT  D2032W
942          DI       0  10000.
943          DQ       0   2800.

944          KK   CPA1
945          KM   EAST/WEST STREET COMBINE
946          KM   PEORIA
947          HC       2     1.4

948          KK   SPA2W
949          KM   STREET CAPACITY DIVERSION
950          KM   PEORIA
951          KM   DIVERSION TO SOUTH
952          DT   SPA2S
953          DI       0     51.    121.   1624.   2773.
954          DQ       0     0.1     49.    818.   1389.

955          KK   RPA3
956          KM   STREET ROUTE
957          KM   WEST
958          KM   PEORIA
959          RS       2    FLOW     -1.
960          RC    0.02   0.016    0.02   2630.  0.0041
961          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
962          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

963          KK   D59CR
964          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
965          KM   59TH & PEORIA
966          DR   D59CR

967          KK   R59A
968          KM   STREET ROUTE
969          KM   SOUTH
970          KM   59TH Avenue
971          RS       3    FLOW     -1.
972          RC    0.02   0.016    0.02   2610.  0.0037
973          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
974          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
```



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LINE         ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

975          KK  D2032W
976          KM   RETRIEVAL OF SUB-BASIN DIVERSION
977          KM   SUB-BASIN 20-32
978          DR  D2032W

979          KK   C59A
980          KM   NORTH/SOUTH STREET COMBINE
981          KM   59TH AVENUE
982          HC       2   1.671

983          KK   S59AS
984          KM   STREET CAPACITY DIVERSION
985          KM   59TH
986          KM   DIVERSION TO WEST
987          DT   S59AW
988          DI       0     49.    119.   1593.   2719.
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 989          DQ      0     0.1     49.    818.   1389.

 990          KK   R59B
 991          KM   STREET ROUTE
 992          KM   SOUTH
 993          KM   59TH Avenue
 994          RS       2    FLOW     -1.
 995          RC    0.02   0.016    0.02   2600.  0.0039
 996          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
 997          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

 998          KK   CPA59
 999          KM   INTERSECTION COMBINE
1000          KM   PEORIA & 59TH
1001          HC       2   1.671

1002          KK   DPA59
1003          KM   STREET INTERSECTION DIVERSION
1004          KM   PEORIA & 59TH
1005          KM   45% West & 55% South
1006          DT   D59PA
1007          DI       0  10000.
1008          DQ       0   5500.

1009          KK   RPA4
1010          KM   STREET ROUTE
1011          KM   WEST
1012          KM   PEORIA
1013          RS       3    FLOW     -1.
1014          RC    0.02   0.016    0.02   2540.  0.0027
1015          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
1016          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
1                                          HEC-1 INPUT                                                    PAGE 23

LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


1017          KK   SCR1S
1018          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
1019          KM   CACTUS
1020          DR   SCR1S

1021          KK  R1932S
1022          KM   SUB-BASIN STREET ROUTE
1023          KM   SOUTH
1024          KM   RW= 170'
1025          KM   PAV= 113'
1026          RS       5    FLOW     -1.
1027          RC    0.02   0.016    0.02   5225.  0.0031
1028          RX       0     0.1    28.5    38.5   131.5   141.5    170.   170.1
1029          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

1030          KK   19-32
1031          KM   SUB-BASIN 19-32
1032          KM   6-HOUR RAINFALL, PATTERN NO. 1.38 WAS USED TO FIND TC & R FOR THIS BASIN
1033          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .988
1034          KM     L = 1.40  Kb = .073  Adj. Slope =   18.0
1035          BA    .961
1036          LG    .260    .170   7.600    .120  26.000
1037          UC   1.179    .595
1038          UA       0       5      16      30      65      77      84      90      94      97
1039          UA     100

1040          KK   RET19
1041          KM   RETENTION BASIN DIVERSION
1042          KM   SUB-BASIN 19-32
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1043          KM   10% OF SUB-BASIN DRAINS TO RETENTION BASIN
1044          DT  D1932R   10.06
1045          DI       0  10000.
1046          DQ       0   1000.

1047          KK   S59AW
1048          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
1049          KM   59TH
1050          DR   S59AW

1051          KK  R1932W
1052          KM   SUB-BASIN STREET ROUTE
1053          KM   WEST
1054          KM   RW= 220'
1055          KM   PAV= 148'
1056          RS       5    FLOW     -1.
1057          RC    0.02   0.016    0.02   5100.  0.0034
1058          RX       0     0.1    36.0    46.0   174.0   184.0    220.   220.1
1059          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

1060          KK  C19-32
1061          KM   SUB-BASIN COMBINE
1062          HC       3   3.538

1063          KK  D1932S
1064          KM   SUB-BASIN DIVERSION
1065          KM   SUB-BASIN 19-32
1066          KM   42% West & 58% South
1067          DT  D1932W
1068          DI       0  10000.
1069          DQ       0   4200.

1070          KK   CPA2
1071          KM   EAST/WEST STREET COMBINE
1072          KM   PEORIA
1073          HC       2   3.538

1074          KK   SPA3W
1075          KM   STREET CAPACITY DIVERSION
1076          KM   PEORIA AVENUE
1077          KM   DIVERSION TO SOUTH
1078          DT   SPA3S
1079          DI       0     41.    119.   1656.   2825.
1080          DQ       0     0.1     60.   1004.   1705.

1081          KK   RPA5
1082          KM   STREET ROUTE
1083          KM   WEST
1084          KM   PEORIA
1085          RS       3    FLOW     -1.
1086          RC    0.02   0.016    0.02   2540.  0.0027
1087          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
1088          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

1089          KK   D67CR
1090          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
1091          KM   67TH & CACTUS
1092          DR   D67CR

1093          KK   R67C
1094          KM   STREET ROUTE
1095          KM   SOUTH
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K/74 4PRINT

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1096          KM   67TH Avenue
1097          RS       3    FLOW     -1.
1098          RC    0.02   0.016    0.02   2635.  0.0025
1099          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
1100          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

1101          KK  D1932W
1102          KM   RETRIEVAL OF SUB-BASIN DIVERSION
1103          KM   SUB-BASIN 19-32
1104          DR  D1932W
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

1105          KK   C67B
1106          KM   NORTH/SOUTH STREET COMBINE
1107          KM   67TH AVENUE
1108          HC       2   3.787

1109          KK   S67BS
1110          KM   STREET CAPACITY DIVERSION
1111          KM   67TH
1112          KM   DIVERSION TO WEST
1113          DT   S67BW
1114          DI       0     39.    127.   1808.   3082.
1115          DQ       0     0.1     71.   1190.   2021.

1116          KK   R67D
1117          KM   STREET ROUTE
1118          KM   SOUTH
1119          KM   67TH Avenue
1120          RS       3    FLOW     -1.
1121          RC    0.02   0.016    0.02   2635.  0.0024
1122          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
1123          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

1124          KK   CPA67
1125          KM   INTERSECTION COMBINE
1126          KM   PEORIA & 67TH
1127          HC       2   3.787

1128          KK   DPA67
1129          KM   STREET INTERSECTION DIVERSION
1130          KM   PEORIA & 67TH
1131          KM   70% West & 30% South
1132          DT   D67PA
1133          DI       0  10000.
1134          DQ       0   3000.

1135          KK   RPA6
1136          KM   STREET ROUTE
1137          KM   WEST
1138          KM   PEORIA
1139          RS       2    FLOW     -1.
1140          RC    0.02   0.016    0.02   2650.  0.0048
1141          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
1142          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

1143          KK   SCR2S
1144          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
1145          KM   CACTUS
1146          DR   SCR2S
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10
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1147          KK  R2431S
1148          KM   SUB-BASIN STREET ROUTE
1149          KM   SOUTH
1150          KM   RW= 170'
1151          KM   PAV= 113'
1152          RS       5    FLOW     -1.
1153          RC    0.02   0.016    0.02   5230.  0.0036
1154          RX       0     0.1    28.5    38.5   131.5   141.5    170.   170.1
1155          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

1156          KK   24-31
1157          KM   SUB-BASIN 24-31
1158          KM   6-HOUR RAINFALL, PATTERN NO. 1.41 WAS USED TO FIND TC & R FOR THIS BASIN
1159          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .987
1160          KM     L = 1.33  Kb = .073  Adj. Slope =    3.0
1161          BA   1.007
1162          LG    .250    .160   8.400    .090  30.000
1163          UC   1.500    .726
1164          UA       0       5      16      30      65      77      84      90      94      97
1165          UA     100

1166          KK   RET24
1167          KM   RETENTION BASIN DIVERSION
1168          KM   SUB-BASIN 24-31
1169          KM   1% OF SUB-BASIN DRAINS TO RETENTION BASIN
1170          DT  D24-31    0.30
1171          DI       0  10000.
1172          DQ       0    100.

1173          KK   S67BW
1174          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
1175          KM   67TH
1176          DR   S67BW

1177          KK  R2431W
1178          KM   SUB-BASIN STREET ROUTE
1179          KM   WEST
1180          KM   RW= 270'
1181          KM   PAV= 183'
1182          RS       6    FLOW     -1.
1183          RC    0.02   0.016    0.02   5310.  0.0029
1184          RX       0     0.1    43.5    53.5   216.5   226.5    270.   270.1
1185          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

1186          KK  C24-31
1187          KM   SUB-BASIN COMBINE
1188          HC       3     5.8

1189          KK  D2431S
1190          KM   SUB-BASIN DIVERSION
1191          KM   SUB-BASIN 24-31
1192          KM   47% West & 53% South
1193          DT  D2431W
1194          DI       0  10000.
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

1195          DQ       0   4700.

1196          KK   CPA3
1197          KM   EAST/WEST STREET COMBINE
1198          KM   PEORIA
1199          HC       2     5.8
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```
1200          KK   SPA4W
1201          KM   STREET CAPACITY DIVERSION
1202          KM   PEORIA
1203          KM   DIVERSION TO SOUTH
1204          DT   SPA4S
1205          DI       0     47.     99.   1487.   2557.
1206          DQ       0     0.1     32.    741.   1279.

1207          KK   RPA7
1208          KM   STREET ROUTE
1209          KM   WEST
1210          KM   PEORIA
1211          RS       3    FLOW     -1.
1212          RC    0.02   0.016    0.02   2650.  0.0022
1213          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
1214          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

1215          KK   D75CR
1216          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
1217          KM   75TH & CACTUS
1218          DR   D75CR

1219          KK   R75D
1220          KM   STREET ROUTE
1221          KM   SOUTH
1222          KM   75TH Avenue
1223          RS       3    FLOW     -1.
1224          RC    0.02   0.016    0.02   2600.  0.0025
1225          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
1226          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

1227          KK  D2431W
1228          KM   RETRIEVAL OF SUB-BASIN DIVERSION
1229          KM   SUB-BASIN 24-31
1230          DR  D2431W

1231          KK   C75B
1232          KM   NORTH/SOUTH STREET COMBINE
1233          KM   75TH AVENUE
1234          HC       2     5.8

1235          KK   S75CS
1236          KM   STREET CAPACITY DIVERSION
1237          KM   75TH
1238          KM   DIVERSION TO WEST
1239          DT   S75CW
1240          DI       0     43.     86.   1252.   2152.
1241          DQ       0     0.1     24.    565.    975.
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

1242          KK   R75E
1243          KM   STREET ROUTE
1244          KM   SOUTH
1245          KM   75TH Avenue
1246          RS       3    FLOW     -1.
1247          RC    0.02   0.016    0.02   2630.  0.0035
1248          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
1249          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

1250          KK   CPA75
1251          KM   INTERSECTION COMBINE
1252          KM   PEORIA & 75TH
```

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1253        HC      2     5.8

1254        KK   DPA75
1255        KM   TYPE B
1256        KM   STREET INTERSECTION DIVERSION
1257        KM   PEORIA & 75TH
1258        KM   DIVERSION TO SOUTH
1259        DT   D75PA
1260        DI       0     40.     86.   1123.   1918.
1261        DQ       0     40.     58.    640.   1097.

1262        KK   RPA8
1263        KM   STREET ROUTE
1264        KM   WEST
1265        KM   PEORIA
1266        RS       3    FLOW     -1.
1267        RC    0.02   0.016    0.02   2650.  0.0026
1268        RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
1269        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

1270        KK   SCR3S
1271        KM   RETRIEVAL OF STREET CAPACITY DIVERSION
1272        KM   CACTUS
1273        DR   SCR3S

1274        KK  R23-31
1275        KM   SUB-BASIN STREET ROUTE
1276        KM   SOUTH
1277        KM   RW= 170'
1278        KM   PAV= 113'
1279        RS       5    FLOW     -1.
1280        RC    0.02   0.016    0.02   5220.  0.0042
1281        RX       0     0.1    28.5    38.5   131.5   141.5    170.   170.1
1282        RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

1283        KK   23-31
1284        KM   SUB-BASIN 23-31
1285        KM   6-HOUR RAINFALL, PATTERN NO. 1.41 WAS USED TO FIND TC & R FOR THIS BASIN
1286        KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .987
1287        KM     L = 1.41  Kb = .062  Adj. Slope =   17.0
1288        BA   1.006
1289        LG    .230    .150  10.100    .040  28.000
```



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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

1290        UC   1.013    .492
1291        UA       0       5      16      30      65      77      84      90      94      97
1292        UA     100

1293        KK   RET23
1294        KM   RETENTION BASIN DIVERSION
1295        KM   SUB-BASIN 23-31
1296        KM   12% OF SUB-BASIN DRAINS TO RETENTION BASIN
1297        DT  D2331R    3.65
1298        DI       0  10000.
1299        DQ       0   1200.

1300        KK   S75CW
1301        KM   RETRIEVAL OF STREET CAPACITY DIVERSION
1302        KM   75TH
1303        DR   S75CW

1304        KK  R2331W
1305        KM   SUB-BASIN STREET ROUTE
1306        KM   WEST
```


1CY4PRINT

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1307          KM   RW= 220'
1308          KM   PAV= 148'
1309          RS       5    FLOW     -1.
1310          RC    0.02   0.016    0.02   5310.  0.0035
1311          RX       0     0.1    36.0    46.0   174.0   184.0    220.   220.1
1312          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

1313          KK  C23-31
1314          KM   SUB-BASIN COMBINE
1315          HC       3     8.1

1316          KK  D2331S
1317          KM   SUB-BASIN DIVERSION
1318          KM   SUB-BASIN 23-31
1319          KM   48% West & 52% South
1320          DT  D2331W
1321          DI       0  10000.
1322          DQ       0   4800.

1323          KK   CPA4
1324          KM   EAST/WEST STREET COMBINE
1325          KM   PEORIA
1326          HC       2     8.1

1327          KK   SPA5W
1328          KM   STREET CAPACITY DIVERSION
1329          KM   PEORIA AVENUE
1330          KM   DIVERSION TO SOUTH
1331          DT   SPA5S
1332          DI       0     38.     69.    950.   1633.
1333          DQ       0     0.1     15.    353.    609.
1                                          HEC-1 INPUT                                                    PAGE 30

LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


1334          KK   RPA9
1335          KM   STREET ROUTE
1336          KM   WEST
1337          KM   PEORIA
1338          RS       4    FLOW     -1.
1339          RC    0.02   0.016    0.02   2660.  0.0019
1340          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
1341          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

1342          KK   D83CR
1343          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
1344          KM   83RD & CACTUS
1345          DR   D83CR

1346          KK   R83D
1347          KM   STREET ROUTE
1348          KM   SOUTH
1349          KM   83RD Avenue
1350          RS       7    FLOW     -1.
1351          RC    0.02   0.016    0.02   5470.  0.0022
1352          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
1353          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

1354          KK  D2331W
1355          KM   RETRIEVAL OF SUB-BASIN DIVERSION
1356          KM   SUB-BASIN 23-31
1357          DR  D2331W

1358          KK   C83B
1359          KM   NORTH/SOUTH STREET COMBINE
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1360          KM   83RD AVENUE
1361          HC       2     8.1

1362          KK   S83BS
1363          KM   STREET CAPACITY DIVERSION
1364          KM   83RD
1365          KM   DIVERSION TO WEST
1366          DT   S83BW
1367          DI       0     43.     86.   1252.   2152.
1368          DQ       0     0.1     24.    565.    975.

1369          KK   CPA83
1370          KM   INTERSECTION COMBINE
1371          KM   PEORIA & 83RD
1372          HC       2     8.1

1373          KK   DPA83
1374          KM   STREET INTERSECTION DIVERSION
1375          KM   PEORIA & 83RD
1376          KM   0% West & 100% South
1377          KM   DIVERSION SOUTH
1378          KM   STORM DRAIN ALONG PEORIA AVE
1379          KM   CAP=  96.0 CFS WEST
1380          DT   D83PA
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

1381          DI       0     96.  10096.
1382          DQ       0     0.1  10000.

1383          KK  D2231S
1384          KM   RETRIEVAL OF SUB-BASIN DIVERSION
1385          KM   SUB-BASIN 22-31
1386          DR  D2231S

1387          KK   S83BW
1388          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
1389          KM   83RD
1390          DR   S83BW

1391          KK  C2231E
1392          KM   SUB-BASIN COMBINE
1393          HC       2  11.583

1394          KK   RES22
1395          KM   PONDING AREA RESERVOIR ROUTE
1396          KM   SUB-BASIN 22-31E
1397          KM   PONDING AREA NORTHEAST OF GRAND AVENUE/RR EMBANKMENT
1398          RS       1    ELEV    1134
1399          SV       0    5.40    9.60   39.75
1400          SE   1134.   1136.  1136.5   1138.
1401          SQ      0.     0.1    970.  10990.
              *
              * PEORIA COMPUTATIONAL PATH WEST OF GRAND AVENUE
              *

1402          KK  R2231W
1403          KM   SUB-BASIN STREET ROUTE
1404          KM   WEST
1405          KM   RW= 100'
1406          KM   PAV= 70'
1407          RS       3    FLOW     -1.
1408          RC    0.02   0.016    0.02   3160.  0.0045
1409          RX       0     0.1    15.0    25.0    75.0    85.0    100.   100.1
1410          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0
```


K&E 4PRINT

```
1411          KK  22-31W
1412          KM   SUB-BASIN 22-31W
1413          KM   6-HOUR RAINFALL, PATTERN NO. 1.25 WAS USED TO FIND TC & R FOR THIS BASIN
1414          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .990
1415          KM     L =  .99  Kb = .065  Adj. Slope =   18.0
1416          BA    .764
1417          LG    .260    .150   8.800    .080  35.000
1418          UC    .808    .338
1419          UA      0       5      16      30      65      77      84      90      94      97
1420          UA     100
1                                          HEC-1 INPUT                                          PAGE 32

LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


1421          KK  D2231B
1422          KM   SUB-BASIN DIVERSION
1423          KM   SUB-BASIN 22-31W
1424          KM   34% West & 66% South
1425          DT  D2231C
1426          DI       0  10000.
1427          DQ       0   3400.

1428          KK  C2231W
1429          KM   SUB-BASIN COMBINE
1430          HC       3  12.349

1431          KK   SPA6W
1432          KM   STREET CAPACITY DIVERSION
1433          KM   PEORIA AVENUE
1434          KM   DIVERSION TO SOUTH
1435          DT   SPA6S
1436          DI       0     46.    115.   1185.   2018.
1437          DQ       0     0.1     66.    367.    629.

1438          KK   RPA10
1439          KM   STREET ROUTE
1440          KM   WEST
1441          KM   PEORIA Avenue
1442          RS       3    FLOW     -1.
1443          RC    0.02   0.016    0.02   2680.  0.0024
1444          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
1445          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

1446          KK   DPA91
1447          KM   STREET INTERSECTION DIVERSION
1448          KM   PEORIA & 91ST
1449          KM   38% West & 62% South
1450          KM   DIVERSION SOUTH
1451          KM   STORM DRAIN ALONG PEORIA AVE
1452          KM   CAP= 147.0 CFS WEST
1453          DT   D91PA
1454          DI       0    147.  10147.
1455          DQ       0     0.1   6200.

1456          KK  D2231C
1457          KM   RETRIEVAL OF SUB-BASIN DIVERSION
1458          KM   SUB-BASIN 22-31W
1459          DR  D2231C

1460          KK  R2231S
1461          KM   SUB-BASIN STREET ROUTE
1462          KM   SOUTH
1463          KM   RW= 210'
1464          KM   PAV= 138'
```

```
1465        RS      4    FLOW    -1.
1466        RC   0.02   0.016    0.02   4200.  0.0044
1467        RX      0     0.1    36.0    46.0   164.0   174.0    210.   210.1
1468        RY    4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0
```



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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

1469        KK   CPA91
1470        KM   INTERSECTION COMBINE
1471        KM   PEORIA & 91ST
1472        HC      2  12.349
            *

1473        KK   NULL2
1474        KM    NULL COMBINE @ END OF PEORIA C.P.
1475        HC      2     1.
            *
            *  Olive Avenue Computation Path
            *

1476        KK  26-32W
1477        KM   SUB-BASIN 26-32W
1478        KM   6-HOUR RAINFALL, PATTERN NO. 1.00 WAS USED TO FIND TC & R FOR THIS BASIN
1479        KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .999
1480        KM     L =  .48  Kb = .078  Adj. Slope =   16.0
1481        BA    .086
1482        LG    .150    .220   4.800    .470  38.000
1483        UC    .621    .491
1484        UA      0       5      16      30      65      77      84      90      94      97
1485        UA     100

1486        KK   DOA35
1487        KM   STREET INTERSECTION DIVERSION
1488        KM   OLIVE & 35TH
1489        KM   31% West & 69% South
1490        KM   DIVERSION SOUTH
1491        KM   EXISTING STORM DRAIN ALONG 35TH AVENUE
1492        KM   CAP=  54 CFS SOUTH
1493        DT   D35OA
1494        DI      0     54.  10054.
1495        DQ      0     54.   6954.

1496        KK   ROA1
1497        KM   STREET ROUTE
1498        KM   WEST
1499        KM   OLIVE
1500        RS      4    FLOW    -1.
1501        RC   0.02   0.016    0.02   2650.  0.0017
1502        RX   44.9     45.     66.    66.1    134.   134.1    155.   155.1
1503        RY    4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

1504        KK   27-32
1505        KM   SUB-BASIN 27-32
1506        KM   6-HOUR RAINFALL, PATTERN NO. 1.12 WAS USED TO FIND TC & R FOR THIS BASIN
1507        KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .992
1508        KM     L =  .62  Kb = .081  Adj. Slope =   18.0
1509        BA    .614
1510        LG    .240    .250   5.400    .280  35.000
1511        UC    .721    .232
1512        UA      0       5      16      30      65      77      84      90      94      97
1513        UA     100
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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10
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1&7-4PRINT

```
1514          KK  D2732S
1515          KM   SUB-BASIN DIVERSION
1516          KM   SUB-BASIN 27-32
1517          KM   47% West & 53% South
1518          DT  D2732W
1519          DI       0  10000.
1520          DQ       0   4700.

1521          KK   COA1
1522          KM   EAST/WEST STREET COMBINE
1523          KM   OLIVE
1524          HC       2   0.699

1525          KK   SOA1W
1526          KM   STREET CAPACITY DIVERSION
1527          KM   OLIVE AVENUE
1528          KM   DIVERSION TO SOUTH
1529          DT   SOA1S
1530          DI       0     28.     60.   1043.   1789.
1531          DQ       0     0.1     24.    565.    975.

1532          KK   ROA2
1533          KM   STREET ROUTE
1534          KM   WEST
1535          KM   OLIVE
1536          RS       3    FLOW     -1.
1537          RC    0.02   0.016    0.02   2650.  0.0027
1538          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
1539          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

1540          KK  D2732W
1541          KM   RETRIEVAL OF SUB-BASIN DIVERSION
1542          KM   SUB-BASIN 27-32
1543          DR  D2732W

1544          KK   S43AS
1545          KM   STREET CAPACITY DIVERSION
1546          KM   43RD AVENUE
1547          KM   DIVERSION TO WEST
1548          DT   S43AW
1549          DI       0     35.     83.   1503.   2581.
1550          DQ       0     0.1     40.    918.   1584.

1551          KK   R43A
1552          KM   STREET ROUTE
1553          KM   SOUTH
1554          KM   43RD Avenue
1555          RS       4    FLOW     -1.
1556          RC    0.02   0.016    0.02   2600.  0.0015
1557          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
1558          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

1559          KK   COA43
1560          KM   INTERSECTION COMBINE
1561          KM   OLIVE & 43RD
1562          HC       2   0.699

1563          KK   DOA43
1564          KM   STREET INTERSECTION DIVERSION
1565          KM   OLIVE & 43RD
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1566        KM   56% West & 44% South
1567        KM   DIVERSION SOUTH
1568        KM   EXISTING STORM DRAIN ALONG 43RD AVENUE
1569        KM   CAP=  81 CFS SOUTH
1570        DT   D430A
1571        DI       0     81.  10081.
1572        DQ       0     81.   4481.

1573        KK   ROA3
1574        KM   STREET ROUTE
1575        KM   WEST
1576        KM   OLIVE
1577        RS       2    FLOW     -1.
1578        RC    0.02   0.016    0.02   2640.  0.0039
1579        RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
1580        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

1581        KK   SPA1S
1582        KM   RETRIEVAL OF STREET CAPACITY DIVERSION
1583        KM   PEORIA
1584        DR   SPA1S

1585        KK  R2832S
1586        KM   SUB-BASIN STREET ROUTE
1587        KM   SOUTH
1588        KM   RW= 220'
1589        KM   PAV= 148'
1590        RS       5    FLOW     -1.
1591        RC    0.02   0.016    0.02   5190.  0.0031
1592        RX       0     0.1    36.0    46.0   174.0   184.0    220.   220.1
1593        RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

1594        KK   28-32
1595        KM   SUB-BASIN 28-32
1596        KM   6-HOUR RAINFALL, PATTERN NO. 1.40 WAS USED TO FIND TC & R FOR THIS BASIN
1597        KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .987
1598        KM     L = 1.29  Kb = .075  Adj. Slope =   14.0
1599        BA    .995
1600        LG    .250    .150   7.300    .140  34.000
1601        UC   1.263    .589
1602        UA       0       5      16      30      65      77      84      90      94      97
1603        UA     100
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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

1604        KK   RET28
1605        KM   RETENTION BASIN DIVERSION
1606        KM   SUB-BASIN 28-32
1607        KM   4% OF SUB-BASIN DRAINS TO RETENTION BASIN
1608        DT  D28-32    4.50
1609        DI       0  10000.
1610        DQ       0    400.

1611        KK   S43AW
1612        KM   RETRIEVAL OF STREET CAPACITY DIVERSION
1613        KM   43RD
1614        DR   S43AW

1615        KK  R2832W
1616        KM   SUB-BASIN STREET ROUTE
1617        KM   WEST
1618        KM   RW= 270'
1619        KM   PAV= 183'
1620        RS       6    FLOW     -1.
```


KC74PRINT

```
1621        RC    0.02   0.016    0.02   5280.  0.0028
1622        RX       0     0.1    43.5    53.5   216.5   226.5    270.   270.1
1623        RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

1624        KK  C28-32
1625        KM   SUB-BASIN COMBINE
1626        HC       3   2.091

1627        KK  D2832S
1628        KM   SUB-BASIN DIVERSION
1629        KM   SUB-BASIN 28-32
1630        KM   34% West & 66% South
1631        DT  D2832W
1632        DI       0  10000.
1633        DQ       0   3400.

1634        KK   COA2
1635        KM   EAST/WEST STREET COMBINE
1636        KM   OLIVE
1637        HC       2   2.091

1638        KK   SOA2W
1639        KM   STREET CAPACITY DIVERSION
1640        KM   OLIVE
1641        KM   DIVERSION TO SOUTH
1642        DT   SOA2S
1643        DI       0     46.    104.   1369.   2337.
1644        DQ       0     0.1     38.    632.   1074.

1645        KK   RA04
1646        KM   STREET ROUTE
1647        KM   WEST
1648        KM   OLIVE
1649        RS       3    FLOW     -1.
1650        RC    0.02   0.016    0.02   2640.  0.0029
```



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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

1651        RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
1652        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

1653        KK   D51PA
1654        KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
1655        KM   51ST & PEORIA
1656        DR   D51PA

1657        KK   R51B
1658        KM   STREET ROUTE
1659        KM   SOUTH
1660        KM   51ST Avenue
1661        RS       3    FLOW     -1.
1662        RC    0.02   0.016    0.02   2600.  0.0028
1663        RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
1664        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

1665        KK  D2832W
1666        KM   RETRIEVAL OF SUB-BASIN DIVERSION
1667        KM   SUB-BASIN 28-32
1668        DR  D2832W

1669        KK   C51A
1670        KM   NORTH/SOUTH STREET COMBINE
1671        KM   51ST AVENUE
1672        HC       2   2.091
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1673        KK   S51BS
1674        KM   STREET CAPACITY DIVERSION
1675        KM   51ST
1676        KM   DIVERSION TO WEST
1677        DT   S51BW
1678        DI       0     42.    142.   2045.   3484.
1679        DQ       0    0.1     82.   1375.   2337.

1680        KK   R51C
1681        KM   STREET ROUTE
1682        KM   SOUTH
1683        KM   51ST Avenue
1684        RS       3    FLOW     -1.
1685        RC    0.02   0.016    0.02   2590.  0.0028
1686        RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
1687        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

1688        KK   COA51
1689        KM   INTERSECTION COMBINE
1690        KM   OALIVE & 51ST
1691        HC       2   2.091

1692        KK   DOA51
1693        KM   STREET INTERSECTION DIVERSION
1694        KM   OLIVE & 51ST
1695        KM   50% West & 50% South
1696        KM   DIVERSION SOUTH
1697        KM   EXISTING STORM DRAIN ALONG OLIVE ROAD
```



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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

1698        KM   CAP= 350 CFS WEST
1699        DT   D510A
1700        DI       0    350.  10350.
1701        DQ       0     0.1   5000.

1702        KK   ROA5
1703        KM   STREET ROUTE
1704        KM   WEST
1705        KM   OLIVE
1706        RS       2    FLOW     -1.
1707        RC    0.02   0.016    0.02   2620.  0.0039
1708        RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
1709        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

1710        KK   SPA2S
1711        KM   RETRIEVAL OF STREET CAPACITY DIVERSION
1712        KM   CACTUS
1713        DR   SPA2S

1714        KK  R2932S
1715        KM   SUB-BASIN STREET ROUTE
1716        KM   SOUTH
1717        KM   RW= 270'
1718        KM   PAV= 183'
1719        RS       6    FLOW     -1.
1720        RC    0.02   0.016    0.02   5220.  0.0030
1721        RX       0     0.1    43.5    53.5   216.5   226.5    270.   270.1
1722        RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

1723        KK   29-32
1724        KM   SUB-BASIN 29-32
1725        KM   6-HOUR RAINFALL, PATTERN NO. 1.40 WAS USED TO FIND TC & R FOR THIS BASIN
1726        KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .987
1727        KM     L = 1.33  Kb = .077  Adj. Slope =   17.0
```

```
1728   BA    .993
1729   LG    .260    .150   8.800    .070  30.000
1730   UC   1.167    .554
1731   UA      0       5      16      30      65      77      84      90      94      97
1732   UA    100

1733   KK   RET29
1734   KM   RETENTION BASIN DIVERSION
1735   KM   SUB-BASIN 29-32
1736   KM   10% OF SUB-BASIN DRAINS TO RETENTION BASIN
1737   DT  D2932R    5.10
1738   DI      0  10000.
1739   DQ      0   1000.

1740   KK   S51BW
1741   KM   RETRIEVAL OF STREET CAPACITY DIVERSION
1742   KM   51ST
1743   DR   S51BW
```



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LINE   ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

1744   KK  R2932W
1745   KM   SUB-BASIN STREET ROUTE
1746   KM   WEST
1747   KM   RW= 320'
1748   KM   PAV= 218'
1749   RS      5    FLOW     -1.
1750   RC   0.02   0.016    0.02   5260.  0.0038
1751   RX      0     0.1    51.0    61.0   259.0   269.0    320.   320.1
1752   RY    4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

1753   KK  C29-32
1754   KM   SUB-BASIN COMBINE
1755   HC      3   4.070

1756   KK  D2932S
1757   KM   SUB-BASIN DIVERSION
1758   KM   SUB-BASIN 29-32
1759   KM   35% West & 65% South
1760   DT  D2932W
1761   DI      0  10000.
1762   DQ      0   3500.

1763   KK   COA3
1764   KM   EAST/WEST STREET COMBINE
1765   KM   OLIVE
1766   HC      2   4.070

1767   KK   SOA3W
1768   KM   STREET CAPACITY DIVERSION
1769   KM   OLIVE
1770   KM   DIVERSION TO SOUTH
1771   KM   STORM DRAIN ALONG OLIVE AVENUE
1772   KM   CAP= 380.0 CFS
1773   DT   SOA3S
1774   DI      0    427.    506.   2122.   3352.
1775   DQ      0     0.1     60.   1004.   1705.

1776   KK   ROA6
1777   KM   STREET ROUTE
1778   KM   WEST
1779   KM   OLIVE
1780   RS      3    FLOW     -1.
1781   RC   0.02   0.016    0.02   2630.  0.0030
```

```
1782          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
1783          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

1784          KK   D59PA
1785          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
1786          KM   59TH & PEORIA
1787          DR   D59PA
```



```
LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

1788          KK   R59C
1789          KM   STREET ROUTE
1790          KM   SOUTH
1791          KM   59TH Avenue
1792          RS       3    FLOW     -1.
1793          RC    0.02   0.016    0.02   2600.  0.0023
1794          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
1795          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

1796          KK  D2932W
1797          KM   RETRIEVAL OF SUB-BASIN DIVERSION
1798          KM   SUB-BASIN 29-32
1799          DR  D2932W

1800          KK   C59B
1801          KM   NORTH/SOUTH STREET COMBINE
1802          KM   59TH AVENUE
1803          HC       2   4.354

1804          KK   S59BS
1805          KM   STREET CAPACITY DIVERSION
1806          KM   59TH
1807          KM   DIVERSION TO WEST
1808          DT   S59BW
1809          DI       0     37.     79.   1029.   1758.
1810          DQ       0     0.1     27.    446.    758.

1811          KK   RR59D
1812          KM   STREET ROUTE
1813          KM   SOUTH
1814          KM   59TH Avenue
1815          RS       3    FLOW     -1.
1816          RC    0.02   0.016    0.02   2600.  0.0020
1817          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
1818          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

1819          KK   COA59
1820          KM   INTERSECTION COMBINE
1821          KM   OLIVE & 59TH
1822          HC       2   4.354

1823          KK   DOA59
1824          KM   STREET INTERSECTION DIVERSION
1825          KM   OLIVE & 59TH
1826          KM   50% West & 50% South
1827          KM   DIVERSION SOUTH
1828          KM   EXISTING STORM DRAIN ALONG OLIVE AVENUE
1829          KM   CAP= 380 CFS WEST
1830          DT   D59OA
1831          DI       0    380.  10380.
1832          DQ       0     0.1   5000.
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10
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1833          KK   ROA7
1834          KM   STREET ROUTE
1835          KM   WEST
1836          KM   OLIVE
1837          RS       2    FLOW     -1.
1838          RC    0.02   0.016    0.02   2630.  0.0040
1839          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
1840          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

1841          KK   SPA3S
1842          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
1843          KM   PEORIA
1844          DR   SPA3S

1845          KK  R3032S
1846          KM   SUB-BASIN STREET ROUTE
1847          KM   SOUTH
1848          KM   RW= 220'
1849          KM   PAV= 148'
1850          RS       6    FLOW     -1.
1851          RC    0.02   0.016    0.02   5220.  0.0028
1852          RX       0     0.1    36.0    46.0   174.0   184.0    220.   220.1
1853          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

1854          KK   30-32
1855          KM   SUB-BASIN 30-32
1856          KM   6-HOUR RAINFALL, PATTERN NO. 1.38 WAS USED TO FIND TC & R FOR THIS BASIN
1857          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .988
1858          KM     L = 1.15  Kb = .075  Adj. Slope =   16.0
1859          BA    .960
1860          LG    .240    .160   8.400    .090  33.000
1861          UC   1.063    .453
1862          UA       0       5      16      30      65      77      84      90      94      97
1863          UA     100

1864          KK   RET30
1865          KM   RETENTION BASIN DIVERSION
1866          KM   SUB-BASIN 30-32
1867          KM   8% OF SUB-BASIN DRAINS TO RETENTION BASIN
1868          DT  D3032R   18.04
1869          DI       0  10000.
1870          DQ       0    800.

1871          KK   S59BW
1872          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
1873          KM   59TH
1874          DR   S59BW

1875          KK  R3032W
1876          KM   SUB-BASIN STREET ROUTE
1877          KM   WEST
1878          KM   RW= 50'
1879          KM   PAV= 35'
1880          RS       5    FLOW     -1.
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

1881          RC    0.02   0.016    0.02   5070.  0.0032
1882          RX       0     0.1     7.5    17.5    32.5    42.5     50.    50.1
1883          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

1884          KK  C30-32
1885          KM   SUB-BASIN COMBINE
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1886          HC       3   7.180

1887          KK  D3032S
1888          KM   SUB-BASIN DIVERSION
1889          KM   SUB-BASIN 30-32
1890          KM   42% West & 58% South
1891          DT  D3032W
1892          DI       0  10000.
1893          DQ       0   4200.

1894          KK   COA4
1895          KM   EAST/WEST STREET COMBINE
1896          KM   OLIVE
1897          HC       2   7.180

1898          KK   SOA4W
1899          KM   STREET CAPACITY DIVERSION
1900          KM   OLIVE
1901          KM   DIVERSION TO SOUTH
1902          KM   STORM DRAIN ALONG OLIVE ROAD
1903          KM   CAP= 520.0 CFS
1904          DT   SOA4S
1905          DI       0    568.    626.   1915.   2902.
1906          DQ       0     0.1     38.    632.   1074.

1907          KK   ROA8
1908          KM   STREET ROUTE
1909          KM   WEST
1910          KM   OLIVE
1911          RS       2    FLOW     -1.
1912          RC    0.02   0.016    0.02   2430.  0.0033
1913          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
1914          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

1915          KK   D67PA
1916          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
1917          KM   67TH & PEORIA
1918          DR   D67PA

1919          KK   R67E
1920          KM   STREET ROUTE
1921          KM   SOUTH
1922          KM   67TH Avenue
1923          RS       3    FLOW     -1.
1924          RC    0.02   0.016    0.02   2620.  0.0032
1925          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
1926          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

1927          KK  D3032W
1928          KM   RETRIEVAL OF SUB-BASIN DIVERSION
1929          KM   SUB-BASIN 30-32
1930          DR  D3032W

1931          KK   C67C
1932          KM   NORTH/SOUTH STREET COMBINE
1933          KM   67TH AVENUE
1934          HC       2   7.429

1935          KK   S67CS
1936          KM   STREET CAPACITY DIVERSION
1937          KM   67TH
1938          KM   DIVERSION TO WEST
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K/71 4PRINT

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1939          DT   S67CW
1940          DI       0     44.    112.   1515.   2585.
1941          DQ       0     0.1     49.    818.   1389.

1942          KK   R67F
1943          KM   STREET ROUTE
1944          KM   SOUTH
1945          KM   67TH Avenue
1946          RS       3    FLOW     -1.
1947          RC    0.02   0.016    0.02   2620.  0.0029
1948          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
1949          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

1950          KK   COA67
1951          KM   INTERSECTION COMBINE
1952          KM   OLIVE & 67TH
1953          HC       2   7.429

1954          KK   DOA67
1955          KM   STREET INTERSECTION DIVERSION
1956          KM   OLIVE & 67TH
1957          KM   43% West & 57% South
1958          KM   DIVERSION SOUTH
1959          KM   EXISTING STORM DRAIN ALONG OLIVE AVENUE
1960          KM   CAP= 750 CFS WEST
1961          DT   D67OA
1962          DI       0    750.  10750.
1963          DQ       0     0.1   5700.

1964          KK   ROA9
1965          KM   STREET ROUTE
1966          KM   WEST
1967          KM   OLIVE
1968          RS       3    FLOW     -1.
1969          RC    0.02   0.016    0.02   2640.  0.0037
1970          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
1971          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


1972          KK   SPA4S
1973          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
1974          KM   PEORIA
1975          DR   SPA4S

1976          KK  R2531S
1977          KM   SUB-BASIN STREET ROUTE
1978          KM   SOUTH
1979          KM   RW= 220'
1980          KM   PAV= 148'
1981          RS       6    FLOW     -1.
1982          RC    0.02   0.016    0.02   5220.  0.0025
1983          RX       0     0.1    36.0    46.0   174.0   184.0    220.   220.1
1984          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

1985          KK   25-31
1986          KM   SUB-BASIN 25-31
1987          KM   6-HOUR RAINFALL, PATTERN NO. 1.40 WAS USED TO FIND TC & R FOR THIS BASIN
1988          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .987
1989          KM     L = 1.42  Kb = .067  Adj. Slope =   19.0
1990          BA   1.005
1991          LG    .240    .170   9.700    .060  29.000
1992          UC   1.046    .513
1993          UA       0       5      16      30      65      77      84      90      94      97
```


KC/14PRINT

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1994        UA     100

1995        KK   RET25
1996        KM   RETENTION BASIN DIVERSION
1997        KM   SUB-BASIN 25-31
1998        KM   11% OF SUB-BASIN DRAINS TO RETENTION BASIN
1999        DT  D2531R   72.80
2000        DI       0  10000.
2001        DQ       0   1100.

2002        KK   S67CW
2003        KM   RETRIEVAL OF STREET CAPACITY DIVERSION
2004        KM   67TH
2005        DR   S67CW

2006        KK  R2531W
2007        KM   SUB-BASIN STREET ROUTE
2008        KM   WEST
2009        KM   RW= 270'
2010        KM   PAV= 183'
2011        RS       5    FLOW     -1.
2012        RC    0.02   0.016    0.02   5290.  0.0038
2013        RX       0     0.1    43.5    53.5   216.5   226.5    270.   270.1
2014        RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0
1                                          HEC-1 INPUT                                                    PAGE 45

LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


2015        KK  C25-31
2016        KM   SUB-BASIN COMBINE
2017        HC       3  11.463

2018        KK  D2531S
2019        KM   SUB-BASIN DIVERSION
2020        KM   SUB-BASIN 25-31
2021        KM   47% West & 53% South
2022        DT  D2531W
2023        DI       0  10000.
2024        DQ       0   4700.

2025        KK   COA5
2026        KM   EAST/WEST STREET COMBINE
2027        KM   OLIVE
2028        HC       2  11.463

2029        KK   SOA5W
2030        KM   STREET CAPACITY DIVERSION
2031        KM   OLIVE
2032        KM   DIVERSION TO SOUTH
2033        KM   STORM DRAIN ALONG OLIVE AVENUE
2034        KM   CAP= 262.0 CFS
2035        DT   SOA5S
2036        DI       0    307.    341.   1325.   2088.
2037        DQ       0     0.1     15.    353.    609.

2038        KK   RES25
2039        KM   SURCHARGE BASIN DIVERSION
2040        KM   FOR THE OLIVE AVENUE STORM DRAIN SYSTEM AT ABOUT 72ND AVENUE
2041        KM   PEAK DISCHARGE CAPACITY OF DIVERSION PIPE = 589 CFS
2042        DT  RES25O   94.00    589.
2043        DI       0    589.  10000.
2044        DQ       0    589.    589.

2045        KK   ROA10
2046        KM   STREET ROUTE
```


K/14PRINT

```
2047        KM   WEST
2048        KM   OLIVE
2049        RS       3    FLOW     -1.
2050        RC    0.02   0.016    0.02   2640.  0.0026
2051        RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
2052        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

2053        KK   D75PA
2054        KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
2055        KM   75TH & PEORIA
2056        DR   D75PA
```



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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

2057        KK   R75F
2058        KM   STREET ROUTE
2059        KM   SOUTH
2060        KM   75TH Avenue
2061        RS       3    FLOW     -1.
2062        RC    0.02   0.016    0.02   2620.  0.0039
2063        RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
2064        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

2065        KK  D2531W
2066        KM   RETRIEVAL OF SUB-BASIN DIVERSION
2067        KM   SUB-BASIN 25-31
2068        DR  D2531W

2069        KK   C75C
2070        KM   NORTH/SOUTH STREET COMBINE
2071        KM   75TH AVENUE
2072        HC       2  11.463

2073        KK   S75DS
2074        KM   STREET CAPACITY DIVERSION
2075        KM   75TH
2076        KM   DIVERSION TO WEST
2077        DT   S75DW
2078        DI       0     41.     98.   1571.   2703.
2079        DQ       0     0.1     40.    918.   1584.

2080        KK   R75G
2081        KM   STREET ROUTE
2082        KM   SOUTH
2083        KM   75TH Avenue
2084        RS       3    FLOW     -1.
2085        RC    0.02   0.016    0.02   2280.  0.0025
2086        RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
2087        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

2088        KK   COA75
2089        KM   INTERSECTION COMBINE
2090        KM   OLIVE & 75TH
2091        HC       2  11.463

2092        KK   DOA75
2093        KM   STREET INTERSECTION DIVERSION
2094        KM   OLIVE & 75TH
2095        KM   0% West & 100% South
2096        KM   DIVERSION SOUTH
2097        KM   EXISTING STORM DRAIN ALONG OLIVE AVENUE
2098        KM   CAP= 392 CFS WEST
2099        DT   D75OA
2100        DI       0    392.  10392.
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2101        DQ      0     0.1  10000.
1                                   HEC-1 INPUT                                          PAGE 47

LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

2102        KK   SPA5S
2103        KM   RETRIEVAL OF STREET CAPACITY DIVERSION
2104        KM   PEORIA AVENUE
2105        DR   SPA5S

2106        KK  26-31E
2107        KM   SUB-BASIN 26-31E
2108        KM   6-HOUR RAINFALL, PATTERN NO. 1.00 WAS USED TO FIND TC & R FOR THIS BASIN
2109        KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .994
2110        KM     L =  .77  Kb = .041  Adj. Slope =   24.0
2111        BA    .461
2112        LG    .210    .180  10.100    .040  21.000
2113        UC    .421    .179
2114        UA       0       5      16      30      65      77      84      90      94      97
2115        UA     100

2116        KK   RET26
2117        KM   RETENTION BASIN DIVERSION
2118        KM   SUB-BASIN 26-31E
2119        KM   29% OF SUB-BASIN DRAINS TO RETENTION BASIN
2120        DT  D2631R    5.40
2121        DI       0  10000.
2122        DQ       0   2900.

2123        KK  C2631E
2124        KM   SUB-BASIN COMBINE
2125        HC       2  15.223

2126        KK  D2631E
2127        KM   SUB-BASIN DIVERSION
2128        KM   SUB-BASIN 26-31E
2129        KM   35% NORTHWEST & 65% SOUTHEAST
2130        KM   DIVERSION IS TO THE NORTHWEST
2131        KM   MAIN COMPUTATION PATH IS TO THE SOUTHWEST
2132        DT  D2631N
2133        DI       0  10000.
2134        DQ       0   3500.

2135        KK   S75DW
2136        KM   RETRIEVAL OF STREET CAPACITY DIVERSION
2137        KM   75TH AVENUE
2138        DR   S75DW

2139        KK  C2631S
2140        KM   SUB-BASIN COMBINE (C26-31S)
2141        HC       3  15.223

2142        KK  RES26S
2143        KM   PONDING AREA RESERVOIR ROUTE
2144        KM   SUB-BASIN 26-31E
2145        KM   PONDING AREA NORTHEAST OF GRAND AVENUE/RR EMBANKMENT
2146        KM   OUTFLOW REPRESENTS BOTH FLOW WEST (OVER THE RR EMBANKEMENT) AND
2147        KM   FLOW SOUTH OVER OLIVE AVENUE
2148        RS       1    ELEV   1132.
1                                   HEC-1 INPUT                                          PAGE 48

LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

2149        SV       0    3.40   27.60   56.80   99.80  129.13  243.28
2150        SE   1132.   1134.   1136.   1137.   1138.  1138.5   1140.
```

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2151          SQ       0     0.1     0.2     0.3   2170.   4810.  51070.

2152          KK   D26AW
2153          KM   DIVERSION OF FLOW SOUTH OVER OLIVE AVENUE TO SUB-BASIN 36-31
2154          DT   D26AS
2155          DI       0   2170.   4810.
2156          DQ       0   2170.   4160.
              *
              * CONTINUATION OF OLIVE AVENUE COMPUTATIONAL PATH
              *

2157          KK  26-31W
2158          KM   SUB-BASIN 26-31W
2159          KM   6-HOUR RAINFALL, PATTERN NO. 1.05 WAS USED TO FIND TC & R FOR THIS BASIN
2160          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .993
2161          KM     L =  .51  Kb = .075  Adj. Slope =   14.0
2162          BA    .541
2163          LG    .410    .130  10.100    .050  12.000
2164          UC    .621    .181
2165          UA       0       5      16      30      65      77      84      90      94      97
2166          UA     100

2167          KK  D2631S
2168          KM   SUB-BASIN DIVERSION
2169          KM   SUB-BASIN 26-31W
2170          KM   54% West & 46% South
2171          DT  D2631N
2172          DI       0  10000.
2173          DQ       0   5400.

2174          KK    COA6
2175          KM   EAST/WEST STREET COMBINE
2176          HC       2  15.763

2177          KK   SOA6W
2178          KM   STREET CAPACITY DIVERSION
2179          KM   OLIVE  AVENUE
2180          KM   DIVERSION TO SOUTH
2181          KM   STORM DRAIN ALONG OLIVE AVENUE
2182          KM   CAP= 427.0 CFS
2183          DT   SOA6S
2184          DI       0    468.    502.   1464.   2210.
2185          DQ       0     0.1     17.    388.    670.

2186          KK   RES26
2187          KM   SURCHARGE BASIN DIVERSION
2188          KM   FOR THE OLIVE AVENUE STORM DRAIN SYSTEM AT ABOUT 79TH AVENUE
2189          KM   PEAK DISCHARGE CAPACITY OF DIVERSION PIPE = 134 CFS
2190          DT  RES260    32.8    134.
2191          DI       0    134.  10000.
2192          DQ       0    134.    134.
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

2193          KK   ROA11
2194          KM   STREET ROUTE
2195          KM   WEST
2196          KM   OLIVE Avenue
2197          RS       4    FLOW     -1.
2198          RC    0.02   0.016    0.02   2660.  0.0016
2199          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
2200          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

2201          KK   D83PA
```

```
2202          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
2203          KM   PEORIA & 83RD
2204          DR   D83PA

2205          KK  D2631N
2206          KM   RETRIEVAL OF SUB-BASIN DIVERSION
2207          KM   SUB-BASIN 26-31E
2208          DR  D2631N

2209          KK  C2631N
2210          KM   SUB-BASIN COMBINE (C26-31N)
2211          HC       2  15.223

2212          KK  RES26N
2213          KM   PONDING AREA RESERVOIR ROUTE
2214          KM   PONDING AREA NORTHEAST OF GRAND AVENUE/RR EMBANKMENT
2215          KM   SUB-BASIN 26-31
2216          RS       1    ELEV   1136.
2217          SV       0    2.81   35.11   72.11   86.13   96.24  106.94  124.13
2218          SE    1136.   1138.   1140.   1141.  1141.3  1141.5  1141.7   1142.
2219          SQ       0     0.1     0.2     0.3     0.4    100.    160.    970.

2220          KK  R2631W
2221          KM   SUB-BASIN STREET ROUTE
2222          KM   WEST
2223          KM   RW= 100'
2224          KM   PAV= 70'
2225          RS       2    FLOW     -1.
2226          RC    0.02   0.016    0.02   2310.  0.0049
2227          RX       0     0.1    15.0    25.0    75.0    85.0    100.   100.1
2228          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

2229          KK  D2631N
2230          KM   RETRIEVAL OF SUB-BASIN DIVERSION
2231          KM   SUB-BASIN 26-31W
2232          DR  D2631N

2233          KK  C2631W
2234          KM   SUB-BASIN COMBINE
2235          HC       2  15.763
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

2236          KK   S83CS
2237          KM   STREET CAPACITY DIVERSION
2238          KM   83RD AVENUE
2239          KM   DIVERSION TO WEST
2240          DT   S83CW
2241          DI       0     44.     80.   1091.   1876.
2242          DQ       0     0.1     17.    388.    670.

2243          KK    R83E
2244          KM   STREET ROUTE
2245          KM   SOUTH
2246          KM   83RD Avenue
2247          RS       3    FLOW     -1.
2248          RC    0.02   0.016    0.02   2640.  0.0025
2249          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
2250          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

2251          KK   COA83
2252          KM   INTERSECTION COMBINE
2253          KM   OLIVE & 83RD
2254          HC       2  15.763
```


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2255          KK   DOA83
2256          KM   STREET INTERSECTION DIVERSION
2257          KM   OLIVE & 83RD
2258          KM   52% West & 48% South
2259          KM   DIVERSION TO THE SOUTH
2260          KM   EXISTING STORM DRAIN SYSTEM ALONG OLIVE AVENUE
2261          KM   CAPACITY = 397 CFS WEST
2262          DT   D83OA
2263          DI       0    397.  10000.
2264          DQ       0     0.1   4800.

2265          KK   ROA12
2266          KM   STREET ROUTE
2267          KM   WEST
2268          KM   OLIVE Avenue
2269          RS       3    FLOW     -1.
2270          RC    0.02   0.016    0.02   2660.  0.0022
2271          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
2272          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

2273          KK   SPA6S
2274          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
2275          KM   PEORIA
2276          DR   SPA6S

2277          KK  R2731S
2278          KM   SUB-BASIN STREET ROUTE
2279          KM   SOUTH
2280          KM   RW= 170'
2281          KM   PAV= 113'
2282          RS       7    FLOW     -1.
2283          RC    0.02   0.016    0.02   5240.  0.0017
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

2284          RX       0     0.1    28.5    38.5   131.5   141.5    170.   170.1
2285          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

2286          KK   27-31
2287          KM   SUB-BASIN 27-31
2288          KM   6-HOUR RAINFALL, PATTERN NO. 1.41 WAS USED TO FIND TC & R FOR THIS BASIN
2289          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .987
2290          KM     L = 1.42  Kb = .072  Adj. Slope =   16.0
2291          BA   1.013
2292          LG    .330    .160   9.700    .060  20.000
2293          UC   1.221    .607
2294          UA       0       5      16      30      65      77      84      90      94      97
2295          UA     100

2296          KK   S83CW
2297          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
2298          KM   83RD
2299          DR   S83CW

2300          KK  R2731W
2301          KM   SUB-BASIN STREET ROUTE
2302          KM   WEST
2303          KM   RW= 170'
2304          KM   PAV= 113'
2305          RS       6    FLOW     -1.
2306          RC    0.02   0.016    0.02   5280.  0.0031
2307          RX       0     0.1    28.5    38.5   131.5   141.5    170.   170.1
2308          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0
```

```
2309          KK  C27-31
2310          KM   SUB-BASIN COMBINE
2311          HC       3  18.053

2312          KK  D2731S
2313          KM   SUB-BASIN DIVERSION
2314          KM   SUB-BASIN 27-31
2315          KM   35% West & 65% South
2316          DT  D2731W
2317          DI       0  10000.
2318          DQ       0   3500.

2319          KK    COA7
2320          KM   EAST/WEST STREET COMBINE
2321          KM   OLIVE  AVENUE
2322          HC       2  18.053

2323          KK   SOA7W
2324          KM   STREET CAPACITY DIVERSION
2325          KM   OLIVE  AVENUE
2326          KM   DIVERSION TO SOUTH
2327          KM   STORM DRAIN ALONG OLIVE AVENUE
2328          KM   CAP= 546.0 CFS
2329          DT   SOA7S
2330          DI       0    586.    628.   1747.   2611.
2331          DQ       0     0.1     24.    565.    975.
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

2332          KK   ROA13
2333          KM   STREET ROUTE
2334          KM   WEST
2335          RS       3    FLOW     -1.
2336          RC    0.02   0.016    0.02   2650.  0.0029
2337          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
2338          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

2339          KK   D91PA
2340          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
2341          KM   91ST & PEORIA
2342          DR   D91PA

2343          KK    R91A
2344          KM   STREET ROUTE
2345          KM   SOUTH
2346          KM   91ST Avenue
2347          RS       3    FLOW     -1.
2348          RC    0.02   0.016    0.02   2600.  0.0025
2349          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
2350          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

2351          KK  D2731W
2352          KM   RETRIEVAL OF SUB-BASIN DIVERSION
2353          KM   SUB-BASIN 27-31
2354          DR  D2731W

2355          KK    C91A
2356          KM   NORTH/SOUTH STREET COMBINE
2357          KM   91ST AVENUE
2358          HC       2  18.053

2359          KK   S91AS
2360          KM   STREET CAPACITY DIVERSION
2361          KM   91ST
```


1-4-PRINT

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2362        KM   DIVERSION TO WEST
2363        DT   S91AW
2364        DI       0     35.     58.    731.   1256.
2365        DQ       0     0.1      8.    177.    305.

2366        KK    R91B
2367        KM   STREET ROUTE
2368        KM   SOUTH
2369        KM   91ST Avenue
2370        RS       4    FLOW     -1.
2371        RC    0.02   0.016    0.02   2640.  0.0014
2372        RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
2373        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
```



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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

2374        KK   COA91
2375        KM   INTERSECTION COMBINE
2376        KM   OLIVE & 91ST
2377        HC       2  18.053

2378        KK   DOA91
2379        KM   STREET INTERSECTION DIVERSION
2380        KM   OLIVE & 91ST
2381        KM   52% West & 48% South
2382        KM   DIVERSION TO THE SOUTH
2383        KM   EXISTING STORM DRAIN SYSTEM ALONG OLIVE AVENUE
2384        KM   CAPACITY = 546 CFS WEST
2385        DT   D910A
2386        DI       0    546.  10546.
2387        DQ       0     0.1   4800.

2388        KK   28-31
2389        KM   SUB-BASIN 28-31
2390        KM   6-HOUR RAINFALL, PATTERN NO. 1.00 WAS USED TO FIND TC & R FOR THIS BASIN
2391        KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .998
2392        KM     L =  .97  Kb = .095  Adj. Slope =   25.0
2393        BA    .141
2394        LG    .470    .150   8.800    .090   5.000
2395        UC    .950   1.042
2396        UA       0       5      16      30      65      77      84      90      94      97
2397        UA     100

2398        KK   S91AW
2399        KM   RETRIEVAL OF STREET CAPACITY DIVERSION
2400        KM   91ST AVENUE
2401        DR   S91AW

2402        KK   R2831
2403        KM   SUB-BASIN STREET ROUTE
2404        KM   RW= 50'
2405        KM   PAV= 35'
2406        RS       1    FLOW     -1.
2407        RC    0.02   0.016    0.02   2790.  0.0076
2408        RX       0     0.1     7.5    17.5    32.5    42.5     50.    50.1
2409        RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

2410        KK  C28-31
2411        KM   SUB-BASIN COMBINE
2412        HC       3  18.194

2413        KK  RADOT2
2414        KM   AGUA FRIA FRWY CHANNEL ROUTE
2415        KM   SOUTH
```


1C/4 4PRINT

```
2416          KM   BOTTOM WIDTH = 30'
2417          KM   TOP WIDTH =  70'
2418          KM   DEPTH = 10'
2419          KM   SIDE SLOPES = 2:1
2420          RS       2    FLOW     -1.
2421          RC   0.016   0.016   0.016   5900.  0.0035
1                                   HEC-1 INPUT                                                    PAGE 54

LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

2422          RX       0     10.    15.0    20.0    50.0    55.0    60.0    70.0
2423          RY    10.0      5.     2.5     0.0     0.0     2.5      5.    10.0
              *
              * NORTHERN AVENUE COMPUTATION PATH
              *

2424          KK   36-32
2425          KM   SUB-BASIN 36-32
2426          KM   6-HOUR RAINFALL, PATTERN NO. 1.00 WAS USED TO FIND TC & R FOR THIS BASIN
2427          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .999
2428          KM     L =  .57  Kb = .077  Adj. Slope =   25.0
2429          BA    .114
2430          LG    .210    .150   8.800    .080  57.000
2431          UC    .517    .391
2432          UA       0       5      16      30      65      77      84      90      94      97
2433          UA     100

2434          KK   DNA27
2435          KM   STREET INTERSECTION DIVERSION
2436          KM   NORTHERN & 27TH
2437          KM   0% West & 100% South
2438          KM   DIVERSION SOUTH
2439          KM   EXISTING STORM DRAIN ALONG 27TH AVENUE
2440          KM   CAP= 104 CFS SOUTH
2441          DT   D27NA
2442          DI       0  10000.
2443          DQ       0  10000.

2444          KK  26-32E
2445          KM   SUB-BASIN 26-32E
2446          KM   6-HOUR RAINFALL, PATTERN NO. 1.00 WAS USED TO FIND TC & R FOR THIS BASIN
2447          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .999
2448          KM     L =  .61  Kb = .029  Adj. Slope =   20.0
2449          BA    .107
2450          LG    .080    .200   6.000    .260  84.000
2451          UC    .304    .238
2452          UA       0       5      16      30      65      77      84      90      94      97
2453          UA     100

2454          KK  R3532S
2455          KM   SUB-BASIN STREET ROUTE
2456          KM   SOUTH
2457          KM   RW= 220'
2458          KM   PAV= 148'
2459          RS       5    FLOW     -1.
2460          RC    0.02   0.016    0.02   5220.  0.0040
2461          RX       0     0.1    36.0    46.0   174.0   184.0    220.   220.1
2462          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

2463          KK   35-32
2464          KM   SUB-BASIN 35-32
2465          KM   6-HOUR RAINFALL, PATTERN NO. 1.40 WAS USED TO FIND TC & R FOR THIS BASIN
2466          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .987
2467          KM     L = 1.15  Kb = .075  Adj. Slope =   22.0
2468          BA    .989
1                                   HEC-1 INPUT                                                    PAGE 55
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

2469          LG    .240    .250   5.800    .240  38.000
2470          UC    .988    .411
2471          UA       0       5      16      30      65      77      84      90      94      97
2472          UA     100

2473          KK  D3532S
2474          KM   SUB-BASIN DIVERSION
2475          KM   SUB-BASIN 35-32
2476          KM   33% West & 67% South
2477          DT  D3532W
2478          DI       0  10000.
2479          DQ       0   3300.

2480          KK  C35-32
2481          KM   SUB-BASIN COMBINE
2482          HC       3   1.094

2483          KK   SNA1W
2484          KM   STREET CAPACITY DIVERSION
2485          KM   NORTHERN AVENUE
2486          KM   0% WEST & 100% SOUTH
2487          KM   DIVERSION TO SOUTH
2488          KM   COMPUTATION PATH IS TO THE WEST
2489          KM   EXISTING STORM DRAIN SYSTEMS
2490          KM   CAPACITY= 61 CFS SOUTH
2491          DT   SNA1S
2492          DI       0  10000.
2493          DQ       0  10000.

2494          KK   D35OA
2495          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
2496          KM   OLIVE & 35TH
2497          DR   D35OA

2498          KK   R35A
2499          KM   STREET ROUTE
2500          KM   SOUTH
2501          KM   35TH Avenue
2502          RS       2    FLOW     -1.
2503          RC    0.02   0.016    0.02   2600.  0.0042
2504          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
2505          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

2506          KK  D3532W
2507          KM   RETRIEVAL OF SUB-BASIN DIVERSION
2508          KM   SUB-BASIN 35-32
2509          DR  D3532W

2510          KK   C35A
2511          KM   NORTH/SOUTH STREET COMBINE
2512          KM   35TH AVENUE
2513          HC       2   1.074
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

2514          KK   S35AS
2515          KM   STREET CAPACITY DIVERSION
2516          KM   35TH AVENUE
2517          KM   DIVERSION TO WEST
2518          KM   EXISTING STORM DRAIN ALONG 35TH AVENUE
2519          KM   CAP=  81 CFS SOUTH
```

```
2520   DT   S35AW
2521   DI       0    118.    205.   2502.   4246.
2522   DQ       0     0.1     78.   1800.   3106.

2523   KK   R35B
2524   KM   STREET ROUTE
2525   KM   SOUTH
2526   KM   35TH Avenue
2527   RS       3    FLOW     -1.
2528   RC    0.02   0.016    0.02   2600.  0.0032
2529   RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
2530   RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

2531   KK   CNA35
2532   KM   INTERSECTION COMBINE
2533   KM   NORTHERN & 35TH
2534   HC       2   1.074

2535   KK   DNA35
2536   KM   STREET INTERSECTION DIVERSION
2537   KM   NORTHERN & 35TH
2538   KM   24% West & 76% South
2539   KM   DIVERSION SOUTH
2540   KM   EXISTING STORM DRAIN ALONG 35TH AVENUE
2541   KM   CAP=  81 CFS SOUTH
2542   DT   D35NA
2543   DI       0     81.  10081.
2544   DQ       0     81.   7681.

2545   KK   RNA1
2546   KM   STREET ROUTE
2547   KM   WEST
2548   KM   NORTHERN Avenue
2549   RS       3    FLOW     -1.
2550   RC    0.02   0.016    0.02   2640.  0.0022
2551   RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
2552   RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

2553   KK   SOA1S
2554   KM   RETRIEVAL OF STREET CAPACITY DIVERSION
2555   KM   OLIVE
2556   DR   SOA1S
```



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LINE   ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

2557   KK  R3432S
2558   KM   SUB-BASIN STREET ROUTE
2559   KM   SOUTH
2560   KM   RW= 220'
2561   KM   PAV= 148'
2562   RS       5    FLOW     -1.
2563   RC    0.02   0.016    0.02   5200.  0.0039
2564   RX       0     0.1    36.0    46.0   174.0   184.0    220.   220.1
2565   RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

2566   KK   34-32
2567   KM   SUB-BASIN 34-32
2568   KM   6-HOUR RAINFALL, PATTERN NO. 1.40 WAS USED TO FIND TC & R FOR THIS BASIN
2569   KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .987
2570   KM     L = 1.21  Kb = .075  Adj. Slope =   19.0
2571   BA    .993
2572   LG    .240    .210   6.400    .190  35.000
2573   UC   1.079    .471
2574   UA       0       5      16      30      65      77      84      90      94      97
```


1-4-PRINT

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2575          UA     100

2576          KK   S35AW
2577          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
2578          KM   35TH
2579          DR   S35AW

2580          KK  R3432W
2581          KM   SUB-BASIN STREET ROUTE
2582          KM   WEST
2583          KM   RW= 450'
2584          KM   PAV= 315'
2585          RS       7    FLOW     -1.
2586          RC    0.02   0.016    0.02   5280.  0.0017
2587          RX       0     0.1    67.5    77.5   372.5   382.5    450.   450.1
2588          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

2589          KK  C34-32
2590          KM   SUB-BASIN COMBINE
2591          HC       3   2.680

2592          KK  D3432S
2593          KM   SUB-BASIN DIVERSION
2594          KM   SUB-BASIN 34-32
2595          KM   38% West & 62% South
2596          DT  D3432W
2597          DI       0  10000.
2598          DQ       0   3800.

2599          KK   CNA1
2600          KM   EAST/WEST STREET COMBINE
2601          KM   NORTHERN
2602          HC       2   2.680
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

2603          KK   SNA2W
2604          KM   STREET CAPACITY DIVERSION
2605          KM   NORTHERN
2606          KM   DIVERSION TO SOUTH
2607          KM   STORM DRAIN ALONG 39TH AVENUE
2608          KM   CAP= 133.0 CFS SOUTH
2609          KM   STORM DRAIN ALONG NORTHERN AVENUE
2610          KM   CAP=  18.0 CFS WEST
2611          DT   SNA2S
2612          DI       0    151.    179.    218.   1363.   2233.
2613          DQ       0    133.    133.    165.    874.   1412.

2614          KK   RNA2
2615          KM   STREET ROUTE
2616          KM   WEST
2617          KM   NORTHERN
2618          RS       3    FLOW     -1.
2619          RC    0.02   0.016    0.02   2630.  0.0021
2620          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
2621          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

2622          KK   D430A
2623          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
2624          KM   43RD & OLIVE
2625          DR   D430A

2626          KK   R43B
2627          KM   STREET ROUTE
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2628          KM   SOUTH
2629          KM   43RD Avenue
2630          RS      3    FLOW     -1.
2631          RC   0.02   0.016    0.02   2590.  0.0033
2632          RX   44.9     45.     66.    66.1    134.   134.1    155.   155.1
2633          RY    4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

2634          KK  D3432W
2635          KM   RETRIEVAL OF SUB-BASIN DIVERSION
2636          KM   SUB-BASIN 34-32
2637          DR  D3432W

2638          KK   C43B
2639          KM   NORTH/SOUTH STREET COMBINE
2640          KM   43RD AVENUE
2641          HC      2   2.680

2642          KK   S43BS
2643          KM   STREET CAPACITY DIVERSION
2644          KM   43RD
2645          KM   DIVERSION TO WEST
2646          KM   EXISTING STORM DRAIN ALONG 43RD AVENUE
2647          KM   CAP= 115 CFS SOUTH
2648          DT   S43BW
2649          DI      0    152.    208.   1824.   3051.
2650          DQ      0     0.1     47.   1094.   1888.
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

2651          KK   R43C
2652          KM   STREET ROUTE
2653          KM   SOUTH
2654          KM   43RD Avenue
2655          RS      2    FLOW     -1.
2656          RC   0.02   0.016    0.02   2600.  0.0040
2657          RX   44.9     45.     66.    66.1    134.   134.1    155.   155.1
2658          RY    4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

2659          KK   CNA43
2660          KM   INTERSECTION COMBINE
2661          KM   NORTHEN & 43RD
2662          HC      2   2.680

2663          KK   DNA43
2664          KM   STREET INTERSECTION DIVERSION
2665          KM   NORTHERN & 43RD
2666          KM   0% West & 100% South
2667          KM   DIVERSION SOUTH
2668          KM   EXISTING STORM DRAIN ALONG 43RD AVENUE
2669          KM   CAP= 115 CFS SOUTH
2670          DT   D43NA
2671          DI      0  10000.
2672          DQ      0  10000.

2673          KK   RNA3
2674          KM   STREET ROUTE
2675          KM   WEST
2676          KM   NORTHERN
2677          RS      4    FLOW     -1.
2678          RC   0.02   0.016    0.02   2630.  0.0012
2679          RX   44.9     45.     66.    66.1    134.   134.1    155.   155.1
2680          RY    4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

2681          KK   SOA2S
```


K/L4PRINT

```
2682          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
2683          KM   OLIVE
2684          DR   SOA2S

2685          KK  R3332S
2686          KM   SUB-BASIN STREET ROUTE
2687          KM   SOUTH
2688          KM   RW= 220'
2689          KM   PAV= 148'
2690          RS       6    FLOW     -1.
2691          RC    0.02   0.016    0.02   5200.  0.0023
2692          RX       0     0.1    36.0    46.0   174.0   184.0    220.   220.1
2693          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0
1                                            HEC-1 INPUT                                                    PAGE 60

LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


2694          KK   33-32
2695          KM   SUB-BASIN 33-32
2696          KM   6-HOUR RAINFALL, PATTERN NO. 1.40 WAS USED TO FIND TC & R FOR THIS BASIN
2697          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .987
2698          KM     L = 1.38  Kb = .073  Adj. Slope =   15.0
2699          BA    .993
2700          LG    .240    .250   6.000    .230  39.000
2701          UC   1.321    .655
2702          UA       0       5      16      30      65      77      84      90      94      97
2703          UA     100

2704          KK   S43BW
2705          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
2706          KM   43RD
2707          DR   S43BW

2708          KK  R3332W
2709          KM   SUB-BASIN STREET ROUTE
2710          KM   WEST
2711          KM   RW= 320'
2712          KM   PAV= 218'
2713          RS       6    FLOW     -1.
2714          RC    0.02   0.016    0.02   5270.  0.0030
2715          RX       0     0.1    51.0    61.0   259.0   269.0    320.   320.1
2716          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

2717          KK  C33-32
2718          KM   SUB-BASIN COMBINE
2719          HC       3   5.064

2720          KK  D3332S
2721          KM   SUB-BASIN DIVERSION
2722          KM   SUB-BASIN 33-32
2723          KM   27% West & 73% South
2724          DT  D3332W
2725          DI       0  10000.
2726          DQ       0   2700.

2727          KK   CNA2
2728          KM   EAST/WEST STREET COMBINE
2729          KM   NORTHERN
2730          HC       2   5.064

2731          KK   SNA3W
2732          KM   STREET CAPACITY DIVERSION
2733          KM   NORTHERN
2734          KM   DIVERSION TO SOUTH
2735          DT   SNA3S
```


K/14PRINT

```
2736        DI      0     34.     97.   1657.   2314.
2737        DQ      0     0.1     49.    818.   1389.
1                                       HEC-1 INPUT                                                    PAGE 61

LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

2738        KK   RNA4
2739        KM   STREET ROUTE
2740        KM   WEST
2741        KM   NORTHERN
2742        RS       3    FLOW     -1.
2743        RC    0.02   0.016    0.02   2630.  0.0024
2744        RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
2745        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

2746        KK   D510A
2747        KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
2748        KM   51ST & OLIVE
2749        DR   D510A

2750        KK   R51D
2751        KM   STREET ROUTE
2752        KM   SOUTH
2753        KM   51ST Avenue
2754        RS       3    FLOW     -1.
2755        RC    0.02   0.016    0.02   2670.  0.0023
2756        RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
2757        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

2758        KK  D3332W
2759        KM   RETRIEVAL OF SUB-BASIN DIVERSION
2760        KM   SUB-BASIN 33-32
2761        DR  D3332W

2762        KK   C51B
2763        KM   NORTH/SOUTH STREET COMBINE
2764        KM   51ST AVENUE
2765        HC       2   5.064

2766        KK   S51CS
2767        KM   STREET CAPACITY DIVERSION
2768        KM   51ST
2769        KM   DIVERSION TO WEST
2770        DT   S51CW
2771        DI       0     35.     99.   1378.   2350.
2772        DQ       0     0.1     49.    818.   1389.

2773        KK   R51E
2774        KM   STREET ROUTE
2775        KM   SOUTH
2776        KM   51ST Avenue
2777        RS       4    FLOW     -1.
2778        RC    0.02   0.016    0.02   2610.  0.0016
2779        RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
2780        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
1                                       HEC-1 INPUT                                                    PAGE 62

LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

2781        KK   CNA51
2782        KM   INTERSECTION COMBINE
2783        KM   NORTHERN & 51ST
2784        HC       2     5.1
```

```
2785          KK   DNA51
2786          KM   STREET INTERSECTION DIVERSION
2787          KM   NORTHERN & 51ST
2788          KM   44% West & 56% South
2789          DT   D51NA
2790          DI       0  10000.
2791          DQ       0   5600.

2792          KK   RNA5
2793          KM   STREET ROUTE
2794          KM   WEST
2795          KM   NORTHERN
2796          RS       2    FLOW     -1.
2797          RC    0.02   0.016    0.02   2640.  0.0044
2798          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
2799          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

2800          KK   SOA3S
2801          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
2802          KM   OLIVE
2803          DR   SOA3S

2804          KK  R3232S
2805          KM   SUB-BASIN STREET ROUTE
2806          KM   SOUTH
2807          KM   RW= 170'
2808          KM   PAV= 113'
2809          RS       6    FLOW     -1.
2810          RC    0.02   0.016    0.02   5200.  0.0023
2811          RX       0     0.1    28.5    38.5   131.5   141.5    170.   170.1
2812          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

2813          KK   32-32
2814          KM   SUB-BASIN 32-32
2815          KM   6-HOUR RAINFALL, PATTERN NO. 1.40 WAS USED TO FIND TC & R FOR THIS BASIN
2816          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .987
2817          KM     L = 1.38  Kb = .079  Adj. Slope =   15.0
2818          BA    .993
2819          LG    .300    .150   7.600    .130  23.000
2820          UC   1.371    .682
2821          UA       0       5      16      30      65      77      84      90      94      97
2822          UA     100

2823          KK   RET32
2824          KM   RETENTION BASIN DIVERSION
2825          KM   SUB-BASIN 32-32
2826          KM   9% OF SUB-BASIN DRAINS TO RETENTION BASIN
2827          DT  D3232R    1.87
2828          DI       0  10000.
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

2829          DQ       0    900.

2830          KK   S51CW
2831          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
2832          KM   51ST
2833          DR   S51CW

2834          KK  R3232W
2835          KM   SUB-BASIN STREET ROUTE
2836          KM   WEST
2837          KM   RW= 220'
2838          KM   PAV= 148'
2839          RS       5    FLOW     -1.
```

```
2840          RC    0.02   0.016    0.02   5420.  0.0037
2841          RX       0     0.1    36.0    46.0   174.0   184.0    220.   220.1
2842          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

2843          KK  C32-32
2844          KM   SUB-BASIN COMBINE
2845          HC       3   8.034

2846          KK  D3232S
2847          KM   SUB-BASIN DIVERSION
2848          KM   SUB-BASIN 32-32
2849          KM   36% West & 64% South
2850          DT  D3232W
2851          DI       0  10000.
2852          DQ       0   3600.

2853          KK   CNA3
2854          KM   EAST/WEST STREET COMBINE
2855          KM   NORTHERN
2856          HC       2   8.034

2857          KK   SNA4W
2858          KM   CASE 2
2859          KM   STREET CAPACITY DIVERSION
2860          KM   NORTHERN
2861          KM   DIVERSION TO SOUTH
2862          DT   SNA4S
2863          DI       0     77.    117.   1269.   2150.
2864          DQ       0     26.     45.    467.    776.

2865          KK   RNA6
2866          KM   STREET ROUTE
2867          KM   WEST
2868          KM   NORTHERN
2869          RS       3    FLOW     -1.
2870          RC    0.02   0.016    0.02   2640.  0.0036
2871          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
2872          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

2873          KK   D590A
2874          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
2875          KM   59TH & OLIVE
2876          DR   D590A

2877          KK   R59E
2878          KM   STREET ROUTE
2879          KM   SOUTH
2880          KM   59TH Avenue
2881          RS       3    FLOW     -1.
2882          RC    0.02   0.016    0.02   2760.  0.0030
2883          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
2884          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

2885          KK  D3232W
2886          KM   RETRIEVAL OF SUB-BASIN DIVERSION
2887          KM   SUB-BASIN 32-32
2888          DR  D3232W

2889          KK   C59C
2890          KM   NORTH/SOUTH STREET COMBINE
2891          KM   59TH AVENUE
2892          HC       2   8.319
```

```
2893          KK   S59CS
2894          KM   STREET CAPACITY DIVERSION
2895          KM   59TH
2896          KM   DIVERSION TO WEST
2897          DT   S59CW
2898          DI       0     41.    114.   1578.   2692.
2899          DQ       0     0.1     55.    929.   1579.

2900          KK   R59F
2901          KM   STREET ROUTE
2902          KM   SOUTH
2903          KM   59TH Avenue
2904          RS       3    FLOW     -1.
2905          RC    0.02   0.016    0.02   2420.  0.0022
2906          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
2907          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

2908          KK   CNA59
2909          KM   INTERSECTION COMBINE
2910          KM   NORTHERN & 59TH
2911          HC       2   8.319

2912          KK   DNA59
2913          KM   STREET INTERSECTION DIVERSION
2914          KM   NORTHERN & 59TH
2915          KM   51% West & 49% South
2916          DT   D59NA
2917          DI       0  10000.
2918          DQ       0   4900.
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

2919          KK   RNA7
2920          KM   STREET ROUTE
2921          KM   WEST
2922          KM   NORTHERN
2923          RS       3    FLOW     -1.
2924          RC    0.02   0.016    0.02   2670.  0.0038
2925          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
2926          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

2927          KK   SOA4S
2928          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
2929          KM   OLIVE
2930          DR   SOA4S

2931          KK  R3132S
2932          KM   SUB-BASIN STREET ROUTE
2933          KM   SOUTH
2934          KM   RW= 170'
2935          KM   PAV= 113'
2936          RS       6    FLOW     -1.
2937          RC    0.02   0.016    0.02   5190.  0.0026
2938          RX       0     0.1    28.5    38.5   131.5   141.5    170.   170.1
2939          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

2940          KK   31-32
2941          KM   SUB-BASIN 31-32
2942          KM   6-HOUR RAINFALL, PATTERN NO. 1.37 WAS USED TO FIND TC & R FOR THIS BASIN
2943          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .988
2944          KM     L = 1.33  Kb = .071  Adj. Slope =   17.0
2945          BA    .953
2946          LG    .300    .160   8.800    .080  26.000
```

```
2947    UC   1.117    .540
2948    UA       0       5      16      30      65      77      84      90      94      97
2949    UA     100

2950    KK   RET31
2951    KM   RETENTION BASIN DIVERSION
2952    KM   SUB-BASIN 31-32
2953    KM   6% OF SUB-BASIN DRAINS TO RETENTION BASIN
2954    DT  D3132R    1.30
2955    DI       0  10000.
2956    DQ       0    600.

2957    KK   S59CW
2958    KM   RETRIEVAL OF STREET CAPACITY DIVERSION
2959    KM   59TH
2960    DR   S59CW

2961    KK  R3132W
2962    KM   SUB-BASIN STREET ROUTE
2963    KM   WEST
2964    KM   RW= 100'
2965    KM   PAV= 70'
2966    RS       5    FLOW     -1.
```



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LINE    ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

2967    RC    0.02   0.016    0.02   5100.  0.0034
2968    RX       0     0.1    15.0    25.0    75.0    85.0    100.   100.1
2969    RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

2970    KK  C31-32
2971    KM   SUB-BASIN COMBINE
2972    HC       3  12.098

2973    KK  D3132S
2974    KM   SUB-BASIN DIVERSION
2975    KM   SUB-BASIN 31-32
2976    KM   29% West & 71% South
2977    DT  D3132W
2978    DI       0  10000.
2979    DQ       0   2900.

2980    KK   CNA4
2981    KM   EAST/WEST STREET COMBINE
2982    KM   NORTHERN
2983    HC       2  12.098

2984    KK   SNA5W
2985    KM   STREET CAPACITY DIVERSION
2986    KM   NORTHERN
2987    KM   DIVERSION TO SOUTH
2988    DT   SNA5S
2989    DI       0     44.    101.   1335.   2279.
2990    DQ       0     0.1     38.    632.   1074.

2991    KK   RNA8
2992    KM   STREET ROUTE
2993    KM   WEST
2994    KM   NORTHERN
2995    RS       3    FLOW     -1.
2996    RC    0.02   0.016    0.02   2420.  0.0024
2997    RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
2998    RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

2999    KK   D670A
```

```
3000          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
3001          KM   67TH & OLIVE
3002          DR   D67OA

3003          KK   R67G
3004          KM   STREET ROUTE
3005          KM   SOUTH
3006          KM   67TH Avenue
3007          RS       3    FLOW     -1.
3008          RC    0.02   0.016    0.02   2590.  0.0030
3009          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
3010          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

3011          KK  D3132W
3012          KM   RETRIEVAL OF SUB-BASIN DIVERSION
3013          KM   SUB-BASIN 31-32
3014          DR  D3132W

3015          KK   C67D
3016          KM   NORTH/SOUTH STREET COMBINE
3017          KM   67TH AVENUE
3018          HC       2  12.347

3019          KK   S67DS
3020          KM   STREET CAPACITY DIVERSION
3021          KM   67TH
3022          KM   DIVERSION TO WEST
3023          DT   S67DW
3024          DI       0     37.     64.    768.   1315.
3025          DQ       0     0.1     11.    186.    316.

3026          KK   R67H
3027          KM   STREET ROUTE
3028          KM   SOUTH
3029          KM   67TH Avenue
3030          RS       4    FLOW     -1.
3031          RC    0.02   0.016    0.02   2570.  0.0013
3032          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
3033          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

3034          KK   CNA67
3035          KM   INTERSECTION COMBINE
3036          KM   NORTHERN & 67TH
3037          HC       2  12.374

3038          KK   DNA67
3039          KM   STREET INTERSECTION DIVERSION
3040          KM   NORTHERN & 67TH
3041          KM   0% West & 100% South
3042          DT   D67NA
3043          DI       0  10000.
3044          DQ       0  10000.

3045          KK   D75OA
3046          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
3047          KM   75TH & OLIVE
3048          DR   D75OA

3049          KK   SOA5S
3050          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
3051          KM   OLIVE AVENUE
3052          DR   SOA5S
```

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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

3053          KK  36-31E
3054          KM   SUB-BASIN 36-31E
3055          KM   6-HOUR RAINFALL, PATTERN NO. 1.00 WAS USED TO FIND TC & R FOR THIS BASIN
3056          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .994
3057          KM     L =  .81  Kb = .072  Adj. Slope =   18.0
3058          BA    .495
3059          LG    .340    .150   8.800    .080  26.000
3060          UC    .746    .337
3061          UA       0       5      16      30      65      77      84      90      94      97
3062          UA     100

3063          KK   S67DW
3064          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
3065          KM   67TH AVENUE
3066          DR   S67DW

3067          KK  R3631W
3068          KM   SUB-BASIN STREET ROUTE
3069          KM   WEST
3070          KM   RW= 120'
3071          KM   PAV= 78'
3072          RS       8    FLOW     -1.
3073          RC    0.02   0.016    0.02   6200.  0.0019
3074          RX       0     0.1    21.0    31.0    89.0    99.0    120.   120.1
3075          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

3076          KK   D26AS
3077          KM   RETRIEVAL OF PONDING AREA DIVERSION
3078          KM   FROM RES26S AS FLOW OVER OLIVE AVENUE
3079          DR   D26AS

3080          KK  C3631E
3081          KM   SUB-BASIN COMBINE
3082          HC       5    20.6

3083          KK   RES36
3084          KM   PONDING AREA RESERVOIR ROUTE
3085          KM   PONDING AREA NORTHEAST OF GRAND AVENUE/RR EMBANKMENT
3086          KM   SUB-BASIN 36-31E
3087          RS       1    ELEV   1132.
3088          SV       0    3.10   19.20   35.25   57.20  130.00  191.30
3089          SE   1132.   1134.   1136.   1137.   1138.   1140.   1141.
3090          SQ       0     0.1     0.2     0.3   1470.   9050.  16540.
              *
              * BEGIN COMPUTATIONS FOR AREA WEST OF GRAND AVENUE
              *

3091          KK  R3631
3092          KM   SUB-BASIN STREET ROUTE
3093          KM   WEST
3094          KM   RW= 50'
3095          KM   PAV= 35'
3096          RS       2    FLOW     -1.
3097          RC    0.02   0.016    0.02   2290.  0.0035
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

3098          RX       0     0.1     7.5    17.5    32.5    42.5     50.    50.1
3099          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0
```

```
3100          KK  36-31W
3101          KM   SUB-BASIN 36-31W
3102          KM   6-HOUR RAINFALL, PATTERN NO. 1.01 WAS USED TO FIND TC & R FOR THIS BASIN
3103          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .993
3104          KM     L =  .66  Kb = .050  Adj. Slope =   13.0
3105          BA    .506
3106          LG    .270    .150   8.400    .110  44.000
3107          UC    .567    .208
3108          UA       0       5      16      30      65      77      84      90      94      97
3109          UA     100

3110          KK  C3631W
3111          KM   SUB-BASIN COMBINE
3112          HC       2  21.140

3113          KK  D3631S
3114          KM   SUB-BASIN DIVERSION
3115          KM   SUB-BASIN 36-31W
3116          KM   79% West & 21% South
3117          DT  D3631W
3118          DI       0  10000.
3119          DQ       0   7900.

3120          KK    CNA5
3121          KM   EAST/WEST STREET COMBINE
3122          HC       2  21.140

3123          KK   SNA6W
3124          KM   STREET CAPACITY DIVERSION
3125          KM   NORTHERN AVENUE
3126          KM   DIVERSION TO SOUTH
3127          DT   SNA6S
3128          DI       0     45.     91.   1163.   1988.
3129          DQ       0     0.1     27.    446.    758.

3130          KK    RNA9
3131          KM   STREET ROUTE
3132          KM   WEST
3133          KM   NORTHERN Avenue
3134          RS       3    FLOW     -1.
3135          RC    0.02   0.016    0.02   2690.  0.0026
3136          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
3137          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

3138          KK  D3631W
3139          KM   RETRIEVAL OF SUB-BASIN DIVERSION
3140          KM   SUB-BASIN 36-31W
3141          DR  D3631W
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

3142          KK   S75ES
3143          KM   STREET CAPACITY DIVERSION
3144          KM   75TH AVENUE
3145          KM   DIVERSION TO WEST
3146          DT   S75EW
3147          DI       0     35.     57.    725.   1245.
3148          DQ       0     0.1      8.    177.    304.

3149          KK    R75H
3150          KM   STREET ROUTE
3151          KM   SOUTH
3152          KM   75TH Avenue
3153          RS       7    FLOW     -1.
```

```
3154          RC    0.02   0.016    0.02   2630.  0.0005
3155          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
3156          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

3157          KK   CNA75
3158          KM   INTERSECTION COMBINE
3159          KM   NORTHERNN & 75TH
3160          HC       2  21.140

3161          KK   DNA75
3162          KM   STREET INTERSECTION DIVERSION
3163          KM   NORTHERN & 75TH
3164          KM   69% West & 31% South
3165          DT   D75NA
3166          DI       0  10000.
3167          DQ       0   3100.

3168          KK   RNA10
3169          KM   STREET ROUTE
3170          KM   WEST
3171          KM   NORTHERN
3172          RS       2    FLOW     -1.
3173          RC    0.02   0.016    0.02   2660.  0.0055
3174          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
3175          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

3176          KK   SOA6S
3177          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
3178          KM   OLIVE
3179          DR   SOA6S

3180          KK  R3531S
3181          KM   SUB-BASIN STREET ROUTE
3182          KM   SOUTH
3183          KM   RW= 170'
3184          KM   PAV= 113'
3185          RS       6    FLOW     -1.
3186          RC    0.02   0.016    0.02   5220.  0.0028
3187          RX       0     0.1    28.5    38.5   131.5   141.5    170.   170.1
3188          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

3189          KK   35-31
3190          KM   SUB-BASIN 35-31
3191          KM   6-HOUR RAINFALL, PATTERN NO. 1.40 WAS USED TO FIND TC & R FOR THIS BASIN
3192          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .987
3193          KM     L = 1.33  Kb = .066  Adj. Slope =   16.0
3194          BA   1.005
3195          LG    .410    .160   8.800    .090  13.000
3196          UC   1.142    .537
3197          UA       0       5      16      30      65      77      84      90      94      97
3198          UA     100

3199          KK   S75EW
3200          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
3201          KM   75TH
3202          DR   S75EW

3203          KK  R3531W
3204          KM   SUB-BASIN STREET ROUTE
3205          KM   WEST
3206          KM   RW= 70'
3207          KM   PAV= 43'
```

```
3208        RS       6    FLOW     -1.
3209        RC    0.02   0.016    0.02   5310.  0.0027
3210        RX       0     0.1    13.5    23.5    46.5    56.5     70.    70.1
3211        RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

3212        KK  C35-31
3213        KM   SUB-BASIN COMBINE
3214        HC       3  22.686

3215        KK  D3531S
3216        KM   SUB-BASIN DIVERSION
3217        KM   SUB-BASIN 35-31
3218        KM   49% West & 51% South
3219        DT  D3531W
3220        DI       0  10000.
3221        DQ       0   4900.

3222        KK    CNA6
3223        KM   EAST/WEST STREET COMBINE
3224        HC       2  22.686

3225        KK   SNA7W
3226        KM   STREET CAPACITY DIVERSION
3227        KM   NORTHERN
3228        KM   DIVERSION TO SOUTH
3229        DT   SNA7S
3230        DI       0     54.     93.   1119.   1915.
3231        DQ       0     0.1     16.    260.    442.
```



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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

3232        KK   RNA11
3233        KM   STREET ROUTE
3234        KM   WEST
3235        KM   NORTHERN AVENUE
3236        RS       3    FLOW     -1.
3237        RC    0.02   0.016    0.02   2690.  0.0038
3238        RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
3239        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

3240        KK   D83OA
3241        KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
3242        KM   83RD & OLIVE
3243        DR   D83OA

3244        KK    R83F
3245        KM   STREET ROUTE
3246        KM   SOUTH
3247        KM   83RD Avenue
3248        RS       2    FLOW     -1.
3249        RC    0.02   0.016    0.02   2610.  0.0043
3250        RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
3251        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

3252        KK  D3531W
3253        KM   RETRIEVAL OF SUB-BASIN DIVERSION
3254        KM   SUB-BASIN 35-31
3255        DR  D3531W

3256        KK    C83C
3257        KM   NORTH/SOUTH STREET COMBINE
3258        KM   83RD AVENUE
3259        HC       2  22.686
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3260          KK   S83DS
3261          KM   STREET CAPACITY DIVERSION
3262          KM   83RD
3263          KM   DIVERSION TO WEST
3264          DT   S83DW
3265          DI       0     50.     96.   1357.   2333.
3266          DQ       0     0.1     24.    565.    975.

3267          KK    R83G
3268          KM   STREET ROUTE
3269          KM   SOUTH
3270          KM   83RD Avenue
3271          RS       3    FLOW     -1.
3272          RC    0.02   0.016    0.02   2620.  0.0036
3273          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
3274          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

3275          KK   CNA83
3276          KM   INTERSECTION COMBINE
3277          KM   NORTHERN & 83RD
3278          HC       2  22.686

3279          KK   DNA83
3280          KM   STREET INTERSECTION DIVERSION
3281          KM   NORTHERN & 83RD
3282          KM   100% West & 00% South
3283          KM   DIVERSION SOUTH
3284          KM   STORM DRAIN ALONG NORTHERN AVENUE
3285          KM   CAP= 214.0 CFS WEST
3286          DT   D83NA
3287          DI       0  10000.
3288          DQ       0     0.1

3289          KK   RNA12
3290          KM   STREET ROUTE
3291          KM   WEST
3292          KM   NORTHERN
3293          RS       3    FLOW     -1.
3294          RC    0.02   0.016    0.02   2620.  0.0021
3295          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
3296          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

3297          KK   RES34
3298          KM   SURCHARGE BASIN DIVERSION
3299          KM   "PEORIA BASIN" PER FCD 94-12
3300          KM   FOR THE NORTHERN AVENUE STORM DRAIN SYSTEM AT ABOUT 85TH AVENUE
3301          KM   PEAK DISCHARGE CAPACITY OF DIVERSION PIPE = 202 CFS
3302          DT  RES340    69.0    202.
3303          DI       0    202.  10000.
3304          DQ       0    202.    202.

3305          KK   SOA7S
3306          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
3307          KM   OLIVE AVENUE
3308          DR   SOA7S

3309          KK  R3431S
3310          KM   SUB-BASIN STREET ROUTE
3311          KM   SOUTH
3312          KM   RW= 170'
3313          KM   PAV= 113'
3314          RS       5    FLOW     -1.
```

```
3315          RC    0.02   0.016    0.02   5240.  0.0039
3316          RX       0     0.1    28.5    38.5   131.5   141.5    170.   170.1
3317          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

3318          KK   34-31
3319          KM   SUB-BASIN 34-31
3320          KM   6-HOUR RAINFALL, PATTERN NO. 1.40 WAS USED TO FIND TC & R FOR THIS BASIN
3321          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .987
3322          KM     L = 1.35  Kb = .075  Adj. Slope =   14.0
3323          BA    .996
3324          LG    .370    .160   8.000    .120  16.000
3325          UC   1.375    .671
3326          UA       0       5      16      30      65      77      84      90      94      97
3327          UA     100

3328          KK   RET34
3329          KM   RETENTION BASIN DIVERSION
3330          KM   SUB-BASIN 34-31
3331          KM    6% OF SUB-BASIN DRAINS TO RETENTION BASIN
3332          DT  D3431R   11.91
3333          DI       0  10000.
3334          DQ       0    600.

3335          KK   S83DW
3336          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
3337          KM   83RD
3338          DR   S83DW

3339          KK  R3431W
3340          KM   SUB-BASIN STREET ROUTE
3341          KM   WEST
3342          KM   RW= 170'
3343          KM   PAV= 113'
3344          RS       7    FLOW     -1.
3345          RC    0.02   0.016    0.02   5210.  0.0017
3346          RX       0     0.1    28.5    38.5   131.5   141.5    170.   170.1
3347          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

3348          KK  C34-31
3349          KM   SUB-BASIN COMBINE
3350          HC       3  25.971

3351          KK  D3431S
3352          KM   SUB-BASIN DIVERSION
3353          KM   SUB-BASIN 34-31
3354          KM   35% West & 65% South
3355          KM   DIVERSION WEST
3356          KM   STORM DRAIN ALONG BUTLER DRIVE
3357          KM   CAP=  78.0 CFS WEST
3358          DT  D3431W
3359          DI       0     78.    278.    578.   1078.   2078.
3360          DQ       0     78.    148.    253.    428.    778.
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

3361          KK    CNA7
3362          KM   EAST/WEST STREET COMBINE
3363          KM   NORTHERN AVENUE
3364          HC       2  25.971
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3365          KK   SNA8W
3366          KM   STREET CAPACITY DIVERSION
3367          KM   NORTHERN AVENUE
3368          KM   DIVERSION TO SOUTH
3369          KM   STORM DRAIN ALONG NORTHERN AVENUE
3370          KM   CAP= 33.0 CFS WEST
3371          DT   SNA8S
3372          DI       0     63.     98.    878.   1476.
3373          DQ       0     0.1     22.    372.    632.

3374          KK   RNA13
3375          KM   STREET ROUTE
3376          KM   WEST
3377          KM   NORTHERN AVENUE
3378          RS       5    FLOW     -1.
3379          RC    0.02   0.016    0.02   2640.  0.0008
3380          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
3381          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

3382          KK   D910A
3383          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
3384          KM   91ST & OLIVE AVENUE
3385          DR   D910A

3386          KK    R91C
3387          KM   STREET ROUTE
3388          KM   SOUTH
3389          KM   91ST Avenue
3390          RS       3    FLOW     -1.
3391          RC    0.02   0.016    0.02   2640.  0.0028
3392          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
3393          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

3394          KK  D3431W
3395          KM   RETRIEVAL OF SUB-BASIN DIVERSION
3396          KM   SUB-BASIN 34-31
3397          DR  D3431W

3398          KK    C91B
3399          KM   NORTH/SOUTH STREET COMBINE
3400          KM   91ST AVENUE
3401          HC       2  25.971

3402          KK   S91BS
3403          KM   STREET CAPACITY DIVERSION
3404          KM   91ST
3405          KM   DIVERSION TO WEST
3406          KM   STORM DRAIN ALONG BUTLER DRIVE
3407          KM   CAP=  78.0 CFS WEST
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

3408          DT   S91BW
3409          DI       0     78.    120.    150.    936.   1547.
3410          DQ       0     78.     78.     89.    264.    394.

3411          KK    R91D
3412          KM   STREET ROUTE
3413          KM   SOUTH
3414          KM   91ST Avenue
3415          RS       3    FLOW     -1.
3416          RC    0.02   0.016    0.02   2640.  0.0029
3417          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
3418          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
```

```
3419          KK   CNA91
3420          KM   INTERSECTION COMBINE
3421          KM   NORTHERN & 91ST
3422          HC       2  25.971

3423          KK   DNA91
3424          KM   STREET INTERSECTION DIVERSION
3425          KM   NORTHERN & 91ST
3426          KM   40% West & 60% South
3427          KM   DIVERSION SOUTH
3428          KM   STORM DRAIN ALONG NORTHERN AVENUE
3429          KM   CAP=  33.0 CFS WEST
3430          DT   D91NA
3431          DI       0     33.  10033.
3432          DQ       0     0.1   6000.

3433          KK   RNA14
3434          KM   STREET ROUTE
3435          KM   WEST
3436          KM   NORTHERN
3437          RS       3    FLOW     -1.
3438          RC    0.02   0.016    0.02   2680.  0.0025
3439          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
3440          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

3441          KK   S91BW
3442          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
3443          KM   91ST AVENUE
3444          DR   S91BW

3445          KK  R3331W
3446          KM   SUB-BASIN STREET ROUTE
3447          KM   WEST
3448          KM   RW= 50'
3449          KM   PAV= 35'
3450          RS       4    FLOW     -1.
3451          RC    0.02   0.016    0.02   3920.  0.0036
3452          RX       0     0.1     7.5    17.5    32.5    42.5     50.    50.1
3453          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

3454          KK   33-31
3455          KM   SUB-BASIN 33-31
3456          KM   6-HOUR RAINFALL, PATTERN NO. 1.00 WAS USED TO FIND TC & R FOR THIS BASIN
3457          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .997
3458          KM     L = 1.08  Kb = .090  Adj. Slope =   31.0
3459          BA    .259
3460          LG    .480    .150   7.300    .160   4.000
3461          UC    .933    .787
3462          UA       0       5      16      30      65      77      84      90      94      97
3463          UA     100

3464          KK  C33-31
3465          KM   SUB-BASIN COMBINE
3466          HC       4  26.369

3467          KK   R421S
3468          KM   ROUTE WEST TO AGUA FRIA RIVER
3469          KM   RW= 50'
3470          KM   PAV= 35'
3471          RS       2    FLOW     -1.
3472          RC    0.02   0.016    0.02   2410.  0.0041
3473          RX       0     0.1     7.5    17.5    32.5    42.5     50.    50.1
```

```
3474        RY    4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0
            *

3475        KK   NULL3
3476        KM   NULL COMBINE @ NORTHERN AVE C.P.
3477        HC       2     1.
            *
            *  GLENDALE AVNEUE COMPUTATION PATH
            *

3478        KK    1-22
3479        KM   SUB-BASIN 1-22
3480        KM   6-HOUR RAINFALL, PATTERN NO. 1.00 WAS USED TO FIND TC & R FOR THIS BASIN
3481        KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .997
3482        KM     L =  .70  Kb = .083  Adj. Slope =   15.0
3483        BA    .244
3484        LG    .230    .190   6.800    .150  32.000
3485        UC    .821    .499
3486        UA       0       5      16      30      65      77      84      90      94      97
3487        UA     100

3488        KK   D122S
3489        KM   SUB-BASIN DIVERSION
3490        KM   SUB-BASIN 1-22
3491        KM   81% West & 19% South
3492        DT   D122W
3493        DI       0  10000.
3494        DQ       0   8100.
```



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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

3495        KK   D27NA
3496        KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
3497        KM   27TH & NORTHERN
3498        DR   D27NA

3499        KK   R27A
3500        KM   STREET ROUTE
3501        KM   SOUTH
3502        KM   27TH Avenue
3503        RS       2    FLOW     -1.
3504        RC    0.02   0.016    0.02   2620.  0.0042
3505        RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
3506        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

3507        KK   D122W
3508        KM   RETRIEVAL OF SUB-BASIN DIVERSION
3509        KM   SUB-BASIN 1-22
3510        DR   D122W

3511        KK   C27A
3512        KM   NORTH/SOUTH STREET COMBINE
3513        KM   27TH AVENUE
3514        HC       2   0.357

3515        KK   S27AS
3516        KM   STREET CAPACITY DIVERSION
3517        KM   27TH AVENUE
3518        KM   DIVERSION TO WEST
3519        KM   EXISTING STORM DRAIN ALONG 27TH AVENUE
3520        KM   CAP= 120 CFS SOUTH
3521        DT   S27AW
3522        DI       0    159.    200.   1515.   2514.
3523        DQ       0     0.1     32.    741.   1279.
```

```
3524        KK   R27B
3525        KM   STREET ROUTE
3526        KM   SOUTH
3527        KM   27TH Avenue
3528        RS       2    FLOW     -1.
3529        RC    0.02   0.016    0.02   2630.  0.0040
3530        RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
3531        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

3532        KK   CGA27
3533        KM   INTERSECTION COMBINE
3534        KM   GLENDALE & 27TH
3535        HC       2   0.357

3536        KK   DGA27
3537        KM   STREET INTERSECTION DIVERSION
3538        KM   GLENDALE & 27TH
3539        KM   0% West & 100% South
3540        KM   DIVERSION SOUTH
3541        KM   EXISTING STORM DRAIN ALONG 27TH AVENUE
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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

3542        KM   CAP= 120 CFS SOUTH
3543        DT   D27GA
3544        DI       0  10000.
3545        DQ       0  10000.

3546        KK    2-22
3547        KM   SUB-BASIN 2-22
3548        KM   6-HOUR RAINFALL, PATTERN NO. 1.40 WAS USED TO FIND TC & R FOR THIS BASIN
3549        KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .987
3550        KM     L = 1.42  Kb = .072  Adj. Slope =   14.0
3551        BA   1.004
3552        LG    .250    .220   6.400    .190  26.000
3553        UC   1.404    .712
3554        UA       0       5      16      30      65      77      84      90      94      97
3555        UA     100

3556        KK   D222S
3557        KM   SUB-BASIN DIVERSION
3558        KM   SUB-BASIN 2-22
3559        KM   9% West & 91% South
3560        DT   D222W
3561        DI       0  10000.
3562        DQ       0    900.

3563        KK   SNA1S
3564        KM   RETRIEVAL OF STREET CAPACITY DIVERSION
3565        KM   NORTHERN
3566        DR   SNA1S

3567        KK   R222S
3568        KM   SUB-BASIN STREET ROUTE
3569        KM   SOUTH
3570        KM   RW= 170'
3571        KM   PAV= 113'
3572        RS       5    FLOW     -1.
3573        RC    0.02   0.016    0.02   5240.  0.0040
3574        RX       0     0.1    28.5    38.5   131.5   141.5    170.   170.1
3575        RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

3576        KK   S27AW
3577        KM   RETRIEVAL OF STREET CAPACITY DIVERSION
```

```
3578          KM   27TH AVENUE
3579          DR   S27AW

3580          KK   R222W
3581          KM   SUB-BASIN STREET ROUTE -- SPECIAL CASE
3582          KM   FLOW PATH PARALLELS 27TH AVENUE
3583          KM   WEST
3584          KM   RW= 100'
3585          KM   PAV=  70'
3586          RS      4    FLOW     -1.
3587          RC   0.02   0.016    0.02   4100.  0.0029
3588          RX      0     0.1    15.0    25.0    75.0    85.0    100.   100.1
3589          RY    4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

3590          KK   C2-22
3591          KM   SUB-BASIN COMBINE
3592          HC      3   2.455

3593          KK   D35NA
3594          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
3595          KM   35TH & NORTHERN
3596          DR   D35NA

3597          KK   R35C
3598          KM   STREET ROUTE
3599          KM   SOUTH
3600          KM   35TH Avenue
3601          RS      3    FLOW     -1.
3602          RC   0.02   0.016    0.02   2620.  0.0034
3603          RX   44.9     45.     66.    66.1    134.   134.1    155.   155.1
3604          RY    4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

3605          KK   D222W
3606          KM   RETRIEVAL OF SUB-BASIN DIVERSION
3607          KM   SUB-BASIN 2-22
3608          DR   D222W

3609          KK   C35B
3610          KM   NORTH/SOUTH STREET COMBINE
3611          KM   35TH AVENUE
3612          HC      2   2.078

3613          KK   S35BS
3614          KM   STREET CAPACITY DIVERSION
3615          KM   35TH AVENUE
3616          KM   DIVERSION TO WEST
3617          KM   EXISTING STORM DRAIN ALONG 35TH AVENUE
3618          KM   CAP=  70 CFS SOUTH
3619          DT   S35BW
3620          DI      0    104.    153.   1567.   2641.
3621          DQ      0     0.1     40.    918.   1584.

3622          KK   R35D
3623          KM   STREET ROUTE
3624          KM   SOUTH
3625          KM   35TH Avenue
3626          RS      3    FLOW     -1.
3627          RC   0.02   0.016    0.02   2640.  0.0031
3628          RX   44.9     45.     66.    66.1    134.   134.1    155.   155.1
3629          RY    4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

3630          KK   S35CE
```


K214PRINT

```
3631          KM   STREET CAPACITY DIVERSION
3632          KM   MAIN PATH IS TO THE EAST, CONVEYING 33% OF THE FLOW
3633          KM   35TH AVENUE
3634          KM   DIVERSION TO SOUTH
3635          DT   S35CS
3636          DI       0  10000.
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

3637          DQ       0   6700.

3638          KK   CGA1
3639          KM   EAST/WEST STREET COMBINE
3640          KM   GLENDALE
3641          HC       3   2.542

3642          KK   SGA1W
3643          KM   STREET CAPACITY DIVERSION
3644          KM   GLENDALE AVENUE -- ALL FLOW IS TO THE SOUTH --
3645          KM   DIVERSION TO SOUTH
3646          DT   SGA1S
3647          DI       0  10000.
3648          DQ       0  10000.

3649          KK   S35CS
3650          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
3651          KM   GLENDALE AVENUE
3652          DR   S35CS

3653          KK   CGA35
3654          KM   INTERSECTION COMBINE
3655          KM   GLENDALE & 35TH
3656          HC       2     2.1

3657          KK   DGA35
3658          KM   STREET INTERSECTION DIVERSION
3659          KM   GLENDALE & 35TH
3660          KM   17% West & 83% South
3661          KM   DIVERSION SOUTH
3662          KM   EXISTING STORM DRAIN ALONG 35TH AVENUE
3663          KM   CAP=  64 CFS SOUTH
3664          DT   D35GA
3665          DI       0     64.  10064.
3666          DQ       0     64.   8364.

3667          KK   RGA1
3668          KM   STREET ROUTE
3669          KM   WEST
3670          KM   GLENDALE
3671          RS       3    FLOW     -1.
3672          RC    0.02   0.016    0.02   2590.  0.0022
3673          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
3674          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

3675          KK   SNA2S
3676          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
3677          KM   NORTHERN
3678          DR   SNA2S
```



```
LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

3679          KK   R322S
3680          KM   SUB-BASIN STREET ROUTE
```

```
3681        KM   SOUTH
3682        KM   RW= 170'
3683        KM   PAV= 113'
3684        RS       5    FLOW     -1.
3685        RC    0.02   0.016    0.02   5260.  0.0032
3686        RX       0     0.1    28.5    38.5   131.5   141.5    170.   170.1
3687        RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

3688        KK    3-22
3689        KM   SUB-BASIN 3-22
3690        KM   6-HOUR RAINFALL, PATTERN NO. 1.40 WAS USED TO FIND TC & R FOR THIS BASIN
3691        KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .987
3692        KM     L = 1.22  Kb = .073  Adj. Slope =   15.0
3693        BA    .999
3694        LG    .240    .160   7.300    .130  34.000
3695        UC   1.142    .503
3696        UA       0       5      16      30      65      77      84      90      94      97
3697        UA     100

3698        KK   S35BW
3699        KM   RETRIEVAL OF STREET CAPACITY DIVERSION
3700        KM   35TH
3701        DR   S35BW

3702        KK   R322W
3703        KM   SUB-BASIN STREET ROUTE
3704        KM   WEST
3705        KM   RW= 270'
3706        KM   PAV= 183'
3707        RS       6    FLOW     -1.
3708        RC    0.02   0.016    0.02   5210.  0.0024
3709        RX       0     0.1    43.5    53.5   216.5   226.5    270.   270.1
3710        RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

3711        KK   C3-22
3712        KM   SUB-BASIN COMBINE
3713        HC       3   4.682

3714        KK   D322S
3715        KM   SUB-BASIN DIVERSION
3716        KM   SUB-BASIN 3-22
3717        KM   43% West & 57% South
3718        KM   DIVERSION WEST
3719        KM   SPECIAL CASE
3720        KM   EXISTING STORM DRAIN ALONG 39TH AVENUE
3721        KM   CAP= 150 CFS SOUTH
3722        DT   D322W
3723        DI       0    150.  10150.
3724        DQ       0     0.1   4300.
```



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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

3725        KK   CGA2
3726        KM   EAST/WEST STREET COMBINE
3727        KM   GLENDALE
3728        HC       2   4.682

3729        KK   SGA2W
3730        KM   CASE 2
3731        KM   STREET CAPACITY DIVERSION
3732        KM   GLENDALE
3733        KM   DIVERSION TO SOUTH
3734        KM   EXISTING STORM DRAIN ALONG GLENDALE AVENUE
3735        KM   CAP=  27 CFS SOUTH
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K/L4PRINT

```
3736        KM   EXISTING STORM DRAIN ALONG 39TH AVENUE
3737        KM   CAP= 150 CFS SOUTH
3738        DT   SGA2S
3739        DI       0    247.    306.   1683.   2724.
3740        DQ       0    181.    223.   1038.   1638.

3741        KK   RGA2
3742        KM   STREET ROUTE
3743        KM   WEST
3744        KM   GLENDALE
3745        RS       3    FLOW     -1.
3746        RC    0.02   0.016    0.02   2610.  0.0026
3747        RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
3748        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

3749        KK   D43NA
3750        KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
3751        KM   43RD & NORTHERN
3752        DR   D43NA

3753        KK   R43D
3754        KM   STREET ROUTE
3755        KM   SOUTH
3756        KM   43RD Avenue
3757        RS       3    FLOW     -1.
3758        RC    0.02   0.016    0.02   2660.  0.0038
3759        RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
3760        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

3761        KK   D322W
3762        KM   RETRIEVAL OF SUB-BASIN DIVERSION
3763        KM   SUB-BASIN 3-22
3764        DR   D322W

3765        KK   C43C
3766        KM   NORTH/SOUTH STREET COMBINE
3767        KM   43RD AVENUE
3768        HC       2   4.682
```



```
LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

3769        KK   S43CS
3770        KM   STREET CAPACITY DIVERSION
3771        KM   43RD
3772        KM   DIVERSION TO WEST
3773        KM   EXISTING STORM DRAIN ALONG 43RD AVENUE
3774        KM   CAP= 100 CFS SOUTH
3775        DT   S43CW
3776        DI       0    136.    169.   1265.   2097.
3777        DQ       0     0.1     24.    565.    975.

3778        KK   R43E
3779        KM   STREET ROUTE
3780        KM   SOUTH
3781        KM   43RD Avenue
3782        RS       3    FLOW     -1.
3783        RC    0.02   0.016    0.02   2620.  0.0031
3784        RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
3785        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

3786        KK   CGA43
3787        KM   INTERSECTION COMBINE
3788        KM   GLENDALE & 43RD
3789        HC       2   4.682
```


1627.4PRINT

```
3790        KK   DGA43
3791        KM   STREET INTERSECTION DIVERSION
3792        KM   GLENDALE & 43RD
3793        KM   56% West & 44% South
3794        KM   DIVERSION SOUTH
3795        KM   EXISTING STORM DRAIN ALONG 43RD AVENUE
3796        KM   CAP= 100 CFS SOUTH
3797        DT   D43GA
3798        DI       0    100.  10100.
3799        DQ       0    100.   4500.

3800        KK   RGA3
3801        KM   STREET ROUTE
3802        KM   WEST
3803        KM   GLENDALE
3804        RS       4    FLOW     -1.
3805        RC    0.02   0.016    0.02   2610.  0.0015
3806        RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
3807        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

3808        KK   SNA3S
3809        KM   RETRIEVAL OF STREET CAPACITY DIVERSION
3810        KM   NORTHERN
3811        DR   SNA3S
```



```
LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

3812        KK   R422S
3813        KM   SUB-BASIN STREET ROUTE
3814        KM   SOUTH
3815        KM   RW= 170'
3816        KM   PAV= 113'
3817        RS       5    FLOW     -1.
3818        RC    0.02   0.016    0.02   5260.  0.0036
3819        RX       0     0.1    28.5    38.5   131.5   141.5    170.   170.1
3820        RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

3821        KK    4-22
3822        KM   SUB-BASIN 4-22
3823        KM   6-HOUR RAINFALL, PATTERN NO. 1.40 WAS USED TO FIND TC & R FOR THIS BASIN
3824        KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .987
3825        KM     L = 1.46  Kb = .069  Adj. Slope =   15.0
3826        BA   1.004
3827        LG    .230    .260   5.600    .260  36.000
3828        UC   1.346    .695
3829        UA       0       5      16      30      65      77      84      90      94      97
3830        UA     100

3831        KK   S43CW
3832        KM   RETRIEVAL OF STREET CAPACITY DIVERSION
3833        KM   43RD
3834        DR   S43CW

3835        KK   R422W
3836        KM   SUB-BASIN STREET ROUTE
3837        KM   WEST
3838        KM   RW= 170'
3839        KM   PAV= 113'
3840        RS       8    FLOW     -1.
3841        RC    0.02   0.016    0.02   5240.  0.0016
3842        RX       0     0.1    28.5    38.5   131.5   141.5    170.   170.1
3843        RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0
```

```
3844          KK   C4-22
3845          KM   SUB-BASIN COMBINE
3846          HC       3   8.070

3847          KK   D422S
3848          KM   SUB-BASIN DIVERSION
3849          KM   SUB-BASIN 4-22
3850          KM   42% West & 58% South
3851          DT   D422W
3852          DI       0  10000.
3853          DQ       0   4200.

3854          KK   CGA3
3855          KM   EAST/WEST STREET COMBINE
3856          KM   GLENDALE
3857          HC       2   8.070
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

3858          KK   SGA3W
3859          KM   STREET CAPACITY DIVERSION
3860          KM   GLENDALE
3861          KM   DIVERSION TO SOUTH
3862          DT   SGA3S
3863          DI       0     57.    109.   1291.   2179.
3864          DQ       0     30.     70.    860.   1440.

3865          KK   RGA4
3866          KM   STREET ROUTE
3867          KM   WEST
3868          KM   GLENDALE
3869          RS       5    FLOW     -1.
3870          RC    0.02   0.016    0.02   2600.  0.0008
3871          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
3872          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

3873          KK   D51NA
3874          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
3875          KM   51ST & NORTHERN
3876          DR   D51NA

3877          KK   R51F
3878          KM   STREET ROUTE
3879          KM   SOUTH
3880          KM   51ST Avenue
3881          RS       3    FLOW     -1.
3882          RC    0.02   0.016    0.02   2630.  0.0035
3883          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
3884          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

3885          KK   D422W
3886          KM   RETRIEVAL OF SUB-BASIN DIVERSION
3887          KM   SUB-BASIN 4-22
3888          DR   D422W

3889          KK   C51C
3890          KM   NORTH/SOUTH STREET COMBINE
3891          KM   51ST AVENUE
3892          HC       2   8.070

3893          KK   S51DS
3894          KM   STREET CAPACITY DIVERSION
3895          KM   51ST
3896          KM   DIVERSION TO WEST
```

```
3897        DT   S51DW
3898        DI      0     42.    120.   1670.   2848.
3899        DQ      0     0.1     60.   1004.   1705.
1                                        HEC-1 INPUT                                                    PAGE 87

LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

3900        KK   R51G
3901        KM   STREET ROUTE
3902        KM   SOUTH
3903        KM   51ST Avenue
3904        RS      3    FLOW     -1.
3905        RC   0.02   0.016    0.02   2640.  0.0021
3906        RX   44.9     45.     66.    66.1    134.   134.1    155.   155.1
3907        RY    4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

3908        KK   CGA51
3909        KM   INTERSECTION COMBINE
3910        KM   GLENDALE & 51ST
3911        HC      2   8.070

3912        KK   DGA51
3913        KM   STREET INTERSECTION DIVERSION
3914        KM   GLENDALE & 51ST
3915        KM   45% West & 55% South
3916        DT   D51GA
3917        DI      0  10000.
3918        DQ      0   5500.

3919        KK   RGA5
3920        KM   STREET ROUTE
3921        KM   WEST
3922        KM   GLENDALE
3923        RS      3    FLOW     -1.
3924        RC   0.02   0.016    0.02   2300.  0.0026
3925        RX   44.9     45.     66.    66.1    134.   134.1    155.   155.1
3926        RY    4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

3927        KK   SNA4S
3928        KM   RETRIEVAL OF STREET CAPACITY DIVERSION
3929        KM   NORTHERN
3930        DR   SNA4S

3931        KK   R522S
3932        KM   SUB-BASIN STREET ROUTE
3933        KM   SOUTH
3934        KM   RW= 170'
3935        KM   PAV= 113'
3936        RS      7    FLOW     -1.
3937        RC   0.02   0.016    0.02   5300.  0.0018
3938        RX      0     0.1    28.5    38.5   131.5   141.5    170.   170.1
3939        RY    4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

3940        KK    5-22
3941        KM   SUB-BASIN 5-22
3942        KM   6-HOUR RAINFALL, PATTERN NO. 1.41 WAS USED TO FIND TC & R FOR THIS BASIN
3943        KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .987
3944        KM     L = 1.27  Kb = .063  Adj. Slope =   20.0
3945        BA   1.014
3946        LG    .270    .250   5.200    .340  36.000
3947        UC   1.008    .449
1                                        HEC-1 INPUT                                                    PAGE 88

LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10
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```
3948        UA      0      5     16     30     65     77     84     90     94     97
3949        UA    100

3950        KK   S51DW
3951        KM   RETRIEVAL OF STREET CAPACITY DIVERSION
3952        KM   51ST
3953        DR   S51DW

3954        KK   R522W
3955        KM   SUB-BASIN STREET ROUTE
3956        KM   WEST
3957        KM   RW= 170'
3958        KM   PAV= 113'
3959        RS       6    FLOW     -1.
3960        RC    0.02   0.016    0.02   5360.  0.0031
3961        RX       0     0.1    28.5    38.5   131.5   141.5    170.   170.1
3962        RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

3963        KK   C5-22
3964        KM   SUB-BASIN COMBINE
3965        HC       3    12.1

3966        KK   D522S
3967        KM   SUB-BASIN DIVERSION
3968        KM   SUB-BASIN 5-22
3969        KM   48% West & 52% South
3970        DT   D522W
3971        DI       0  10000.
3972        DQ       0   4800.

3973        KK   CGA4
3974        KM   EAST/WEST STREET COMBINE
3975        KM   GLENDALE
3976        HC       2    12.1

3977        KK   SGA4W
3978        KM   CASE 2
3979        KM   STREET CAPACITY DIVERSION
3980        KM   GLENDALE
3981        KM   DIVERSION TO SOUTH
3982        DT   SGA4S
3983        DI       0     71.    179.   2350.   3985.
3984        DQ       0     28.    117.   1660.   2801.

3985        KK   RGA6
3986        KM   STREET ROUTE
3987        KM   WEST
3988        KM   GLENDALE
3989        RS       3    FLOW     -1.
3990        RC    0.02   0.016    0.02   3040.  0.0033
3991        RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
3992        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
```



```
LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

3993        KK   D59NA
3994        KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
3995        KM   59TH & NORTHERN
3996        DR   D59NA

3997        KK   R59G
3998        KM   STREET ROUTE
3999        KM   SOUTH
4000        KM   59TH Avenue
```

```
4001          RS       4    FLOW     -1.
4002          RC    0.02   0.016    0.02   2620.  0.0017
4003          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
4004          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

4005          KK   D522W
4006          KM   RETRIEVAL OF SUB-BASIN DIVERSION
4007          KM   SUB-BASIN 5-22
4008          DR   D522W

4009          KK   C59D
4010          KM   NORTH/SOUTH STREET COMBINE
4011          KM   59TH AVENUE
4012          HC       2  12.340

4013          KK   S59DS
4014          KM   STREET CAPACITY DIVERSION
4015          KM   59TH
4016          KM   DIVERSION TO WEST
4017          DT   S59DW
4018          DI       0     34.    130.   1910.   3253.
4019          DQ       0     0.1     82.   1375.   2337.

4020          KK   R59H
4021          KM   STREET ROUTE
4022          KM   SOUTH
4023          KM   59TH Avenue
4024          RS       4    FLOW     -1.
4025          RC    0.02   0.016    0.02   2620.  0.0019
4026          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
4027          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

4028          KK   CGA59
4029          KM   INTERSECTION COMBINE
4030          KM   GLENDALE & 59TH
4031          HC       2  12.340

4032          KK   DGA59
4033          KM   STREET INTERSECTION DIVERSION
4034          KM   GLENDALE & 59TH
4035          KM   DIVERSION IS TO THE NORTH
4036          KM   ALL FLOW IS TO THE NORTH
4037          KM   0% West & 100% NORTH
4038          DT   D59GA
4039          DI       0  10000.
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

4040          DQ       0  10000.

4041          KK   D67NA
4042          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
4043          KM   NORTHERN & 67TH
4044          DR   D67NA

4045          KK   SNA5S
4046          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
4047          KM   NORTHERN
4048          DR   SNA5S

4049          KK  R622ES
4050          KM   SUB-BASIN STREET ROUTE
4051          KM   SOUTH
4052          KM   RW= 170'
4053          KM   PAV= 113'
```

```
4054          RS       8    FLOW     -1.
4055          RC    0.02   0.016    0.02   6250.  0.0020
4056          RX       0     0.1    28.5    38.5   131.5   141.5    170.   170.1
4057          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

4058          KK   6-22E
4059          KM   SUB-BASIN 6-22E
4060          KM   6-HOUR RAINFALL, PATTERN NO. 1.00 WAS USED TO FIND TC & R FOR THIS BASIN
4061          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .994
4062          KM     L =  .91  Kb = .075  Adj. Slope =   16.0
4063          BA    .498
4064          LG    .250    .150   7.600    .130  34.000
4065          UC    .883    .445
4066          UA       0       5      16      30      65      77      84      90      94      97
4067          UA     100

4068          KK   S59DW
4069          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
4070          KM   59TH AVENUE
4071          DR   S59DW

4072          KK  R622EW
4073          KM   SUB-BASIN STREET ROUTE
4074          KM   WEST
4075          KM   RW= 170'
4076          KM   PAV= 113'
4077          RS       6    FLOW     -1.
4078          RC    0.02   0.016    0.02   5300.  0.0024
4079          RX       0     0.1    28.5    38.5   131.5   141.5    170.   170.1
4080          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

4081          KK   D59GA
4082          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
4083          KM   59TH & GLENDALE
4084          DR   D59GA
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

4085          KK  C6-22E
4086          KM   SUB-BASIN COMBINE
4087          HC       5    16.9

4088          KK   8-22E
4089          KM   SUB-BASIN 8-22E
4090          KM   6-HOUR RAINFALL, PATTERN NO. 1.02 WAS USED TO FIND TC & R FOR THIS BASIN
4091          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .993
4092          KM     L =  .88  Kb = .044  Adj. Slope =   15.0
4093          BA    .522
4094          LG    .150    .250   4.800    .380  61.000
4095          UC    .608    .279
4096          UA       0       5      16      30      65      77      84      90      94      97
4097          UA     100

4098          KK   SGA4S
4099          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
4100          KM   GLENDALE
4101          DR   SGA4S

4102          KK  R822ES
4103          KM   SUB-BASIN STREET ROUTE
4104          KM   SOUTH
4105          KM   RW= 370'
4106          KM   PAV= 253'
4107          RS       3    FLOW     -1.
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4108        RC    0.02   0.016    0.02   2620.  0.0025
4109        RX       0     0.1    58.5    68.5   301.5   311.5    370.   370.1
4110        RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

4111        KK  C8-22E
4112        KM   SUB-BASIN COMBINE
4113        HC       2    12.6

4114        KK  D822EW
4115        KM   SUB-BASIN DIVERSION
4116        KM   SUB-BASIN 8-22E
4117        KM   50% NORTHWEST & 50% SOUTHEAST
4118        KM   DIVERSION IS TO THE SOUTHEAST
4119        KM   MAIN COMPUTATION PATH IS TO THE NORTHWEST
4120        DT  D822ES
4121        DI       0  10000.
4122        DQ       0   5000.

4123        KK   RGR3
4124        KM   STREET ROUTE
4125        KM   NORTHWEST
4126        KM   GRAND AVENUE
4127        KM   RW=  93'
4128        KM   PAV=  88'
4129        RS       8    FLOW     -1.
4130        RC    0.02   0.016    0.02   3760.  0.0008
4131        RX       0     0.1     2.5    12.5    80.5    90.5     93.    93.1
4132        RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0
```



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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

4133        KK  C622EA
4134        KM   SUB-BASIN COMBINE
4135        HC       2    17.4

4136        KK   RES6
4137        KM   PONDING AREA RESERVOIR ROUTE
4138        KM   EXISTING PONDING AREA AND SURCHARGE BASIN - "WEST BASIN" PER FCD 94-12
4139        KM   FOR THE ORANGEWOOD AVENUE STORM DRAIN SYSTEM AT ABOUT 65TH AVENUE
4140        KM   PONDING AREA NORTHEAST OF GRAND AVENUE/RR EMBANKMENT
4141        KM   STORM DRAIN ALONG ORANGEWOOD AVE AS PART OF ORANGEWOOD S.D. SYSTEM
4142        KM   CAP= 108.0 CFS WEST
4143        KM   SUB-BASIN 6-22E
4144        RS       1    FLOW      0.
4145        SV      0.    73.5    147.    150.    163.    190.    235.    293.    365.    450.
4146        SE    1131.   1136.   1141.   1142.   1143.   1144.   1145.   1146.   1147.   1148.
4147        SQ      0.    108.    108.    108.    108.    108.    108.   2298.   9138.  20498.

4148        KK  R622WW
4149        KM   SUB-BASIN STREET ROUTE
4150        KM   WEST
4151        KM   RW= 100'
4152        KM   PAV= 70'
4153        RS       2    FLOW     -1.
4154        RC    0.02   0.016    0.02   2200.  0.0034
4155        RX       0     0.1    15.0    25.0    75.0    85.0    100.   100.1
4156        RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

4157        KK   6-22W
4158        KM   SUB-BASIN 6-22W
4159        KM   6-HOUR RAINFALL, PATTERN NO. 1.00 WAS USED TO FIND TC & R FOR THIS BASIN
4160        KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .994
4161        KM     L =  .70  Kb = .058  Adj. Slope =   19.0
4162        BA    .474
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4163        LG    .200    .250   6.000    .240  51.000
4164        UC    .571    .228
4165        UA       0       5      16      30      65      77      84      90      94      97
4166        UA     100

4167        KK  C6-22W
4168        KM   SUB-BASIN COMBINE
4169        HC       2    17.9

4170        KK  D622WS
4171        KM   SUB-BASIN DIVERSION
4172        KM   SUB-BASIN 6-22W
4173        KM   36% West & 64% South
4174        KM   DIVERSION WEST
4175        KM   STORM DRAIN ALONG ORANGEWOOD AVE AS PART OF ORANGEWOOD S.D. SYSTEM
4176        KM   CAP= 235.0 CFS WEST
4177        DT  D622WW
4178        DI       0    235.    435.    735.   1235.   2235.
4179        DQ       0    235.    307.    415.    595.    955.
1                                        HEC-1 INPUT                                          PAGE 93

LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


4180        KK   CGA5
4181        KM   EAST/WEST STREET COMBINE
4182        KM   GLENDALE
4183        HC       2    17.9

4184        KK   SGA5W
4185        KM   STREET CAPACITY DIVERSION
4186        KM   GLENDALE AVENUE
4187        KM   DIVERSION TO SOUTH
4188        DT   SGA5S
4189        DI       0     49.    141.   1971.   3361.
4190        DQ       0     0.1     71.   1190.   2021.

4191        KK   RGA7
4192        KM   STREET ROUTE
4193        KM   WEST
4194        KM   GLENDALE
4195        RS       2    FLOW     -1.
4196        RC    0.02   0.016    0.02   2500.  0.0041
4197        RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
4198        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

4199        KK  D622WW
4200        KM   RETRIEVAL OF SUB-BASIN DIVERSION
4201        KM   SUB-BASIN 6-22W
4202        DR  D622WW

4203        KK   S67ES
4204        KM   STREET CAPACITY DIVERSION
4205        KM   67TH AVENUE
4206        KM   DIVERSION TO WEST
4207        KM   STORM DRAIN ALONG ORANGEWOOD AVENUE
4208        KM   CAP= 235.0 CFS WEST
4209        DT   S67EW
4210        DI       0    235.    275.    308.   1136.   1775.
4211        DQ       0    235.    235.    251.    495.    677.

4212        KK   R67I
4213        KM   STREET ROUTE
4214        KM   SOUTH
4215        KM   67TH Avenue
4216        RS       4    FLOW     -1.
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K74PRINT

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4217          RC    0.02   0.016    0.02   2660.  0.0012
4218          RX   44.9     45.     66.    66.1    134.   134.1    155.   155.1
4219          RY    4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

4220          KK   CGA67
4221          KM   INTERSECTION COMBINE
4222          KM   GLENDALE & 67TH
4223          HC       2    17.9
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

4224          KK   DGA67
4225          KM   STREET INTERSECTION DIVERSION
4226          KM   GLENDALE & 67TH
4227          KM   70% West & 30% South
4228          DT   D67GA
4229          DI       0  10000.
4230          DQ       0   3000.

4231          KK    RGA8
4232          KM   STREET ROUTE
4233          KM   WEST
4234          KM   GLENDALE
4235          RS       3    FLOW     -1.
4236          RC    0.02   0.016    0.02   2680.  0.0035
4237          RX   44.9     45.     66.    66.1    134.   134.1    155.   155.1
4238          RY    4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

4239          KK   SNA6S
4240          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
4241          KM   NORTHERN
4242          DR   SNA6S

4243          KK   R121S
4244          KM   SUB-BASIN STREET ROUTE
4245          KM   SOUTH
4246          KM   RW= 70'
4247          KM   PAV= 43'
4248          RS       6    FLOW     -1.
4249          RC    0.02   0.016    0.02   5310.  0.0027
4250          RX       0     0.1    13.5    23.5    46.5    56.5     70.    70.1
4251          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

4252          KK    1-21
4253          KM   SUB-BASIN 1-21
4254          KM   6-HOUR RAINFALL, PATTERN NO. 1.40 WAS USED TO FIND TC & R FOR THIS BASIN
4255          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .987
4256          KM     L = 1.43  Kb = .071  Adj. Slope =   14.0
4257          BA    .999
4258          LG    .370    .150   8.800    .080  17.000
4259          UC   1.321    .671
4260          UA       0       5      16      30      65      77      84      90      94      97
4261          UA     100

4262          KK    RET1
4263          KM   RETENTION BASIN DIVERSION
4264          KM   SUB-BASIN 1-21
4265          KM    7% OF SUB-BASIN DRAINS TO RETENTION BASIN
4266          DT   D1-21    3.66
4267          DI       0  10000.
4268          DQ       0    700.
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10
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1C/14PRINT

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4269          KK   S67EW
4270          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
4271          KM   67TH
4272          DR   S67EW

4273          KK    RES1
4274          KM   SURCHARGE BASIN DIVERSION
4275          KM   "WEST BASIN" PER FCD 94-12
4276          KM   FOR THE ORANGEWOOD AVENUE STORM DRAIN SYSTEM AT ABOUT 71ST AVENUE
4277          KM   PEAK DISCHARGE CAPACITY OF DIVERSION PIPE = 185 CFS
4278          DT  RES100    45.0    185.
4279          DI       0    185.  10000.
4280          DQ       0    185.    185.

4281          KK   R121W
4282          KM   SUB-BASIN STREET ROUTE
4283          KM   WEST
4284          KM   RW= 170'
4285          KM   PAV= 113'
4286          RS       6    FLOW     -1.
4287          RC    0.02   0.016    0.02   5290.  0.0025
4288          RX       0     0.1    28.5    38.5   131.5   141.5    170.   170.1
4289          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

4290          KK   C1-21
4291          KM   SUB-BASIN COMBINE
4292          HC       3  27.655

4293          KK   D121S
4294          KM   SUB-BASIN DIVERSION
4295          KM   SUB-BASIN 1-21
4296          KM   33% West & 67% South
4297          KM   DIVERSION WEST
4298          KM   STORM DRAIN ALONG ORANGEWOOD AVE AS PART OF ORANGEWOOD S.D. SYSTEM
4299          KM   CAP=  83.0 CFS WEST
4300          DT   D121W
4301          DI       0     83.    283.    583.   1083.   2083.
4302          DQ       0     83.    149.    248.    413.    743.

4303          KK    CGA6
4304          KM   EAST/WEST STREET COMBINE
4305          KM   GLENDALE AVENUE
4306          HC       2  27.655

4307          KK   SGA6W
4308          KM   STREET CAPACITY DIVERSION
4309          KM   GLENDALE AVENUE
4310          KM   DIVERSION TO SOUTH
4311          DT   SGA6S
4312          DI       0     45.     80.    974.   1667.
4313          DQ       0     0.1     16.    260.    442.
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

4314          KK    RGA9
4315          KM   STREET ROUTE
4316          KM   WEST
4317          KM   GLENDALE AVENUE
4318          RS       3    FLOW     -1.
4319          RC    0.02   0.016    0.02   2660.  0.0029
4320          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
4321          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
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4322          KK   D75NA
4323          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
4324          KM   75TH & NORTHERN
4325          DR   D75NA

4326          KK    R75I
4327          KM   STREET ROUTE
4328          KM   SOUTH
4329          KM   75TH Avenue
4330          RS       3    FLOW     -1.
4331          RC    0.02   0.016    0.02   2650.  0.0025
4332          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
4333          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

4334          KK   D121W
4335          KM   RETRIEVAL OF SUB-BASIN DIVERSION
4336          KM   SUB-BASIN 1-21
4337          DR   D121W

4338          KK    C75D
4339          KM   NORTH/SOUTH STREET COMBINE
4340          KM   75TH AVENUE
4341          HC       2  27.655

4342          KK   S75FS
4343          KM   STREET CAPACITY DIVERSION
4344          KM   75TH
4345          KM   DIVERSION TO WEST
4346          KM   STORM DRAIN ALONG ORANGEWOOD AVENUE
4347          KM   CAP= 124 CFS WEST
4348          DT   S75FW
4349          DI       0    124.    167.    223.   1432.   2357.
4350          DQ       0    124.    124.    162.    756.   1198.

4351          KK    R75J
4352          KM   STREET ROUTE
4353          KM   SOUTH
4354          KM   75TH Avenue
4355          RS       3    FLOW     -1.
4356          RC    0.02   0.016    0.02   2640.  0.0033
4357          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
4358          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

4359          KK   CGA75
4360          KM   INTERSECTION COMBINE
4361          KM   GLENDALE & 75TH
4362          HC       2  27.655

4363          KK   DGA75
4364          KM   STREET INTERSECTION DIVERSION
4365          KM   GLENDALE & 75TH
4366          KM   39% West & 61% South
4367          DT   D75GA
4368          DI       0  10000.
4369          DQ       0   6100.

4370          KK   RGA10
4371          KM   STREET ROUTE
4372          KM   WEST
4373          KM   GLENDALE
4374          RS       3    FLOW     -1.
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4375          RC    0.02   0.016    0.02   2610.  0.0025
4376          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
4377          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

4378          KK   SNA7S
4379          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
4380          KM   GLENDALE
4381          DR   SNA7S

4382          KK   R221S
4383          KM   SUB-BASIN STREET ROUTE
4384          KM   SOUTH
4385          KM   RW= 50'
4386          KM   PAV= 35'
4387          RS       8    FLOW     -1.
4388          RC    0.02   0.016    0.02   5270.  0.0014
4389          RX       0     0.1     7.5    17.5    32.5    42.5     50.    50.1
4390          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

4391          KK    2-21
4392          KM   SUB-BASIN 2-21
4393          KM   6-HOUR RAINFALL, PATTERN NO. 1.40 WAS USED TO FIND TC & R FOR THIS BASIN
4394          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .987
4395          KM     L = 1.15  Kb = .075  Adj. Slope =   16.0
4396          BA    .996
4397          LG    .390    .160   7.600    .130   9.000
4398          UC   1.167    .492
4399          UA       0       5      16      30      65      77      84      90      94      97
4400          UA     100

4401          KK   S75FW
4402          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
4403          KM   75TH
4404          DR   S75FW
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

4405          KK   R221W
4406          KM   SUB-BASIN STREET ROUTE
4407          KM   WEST
4408          KM   RW= 70'
4409          KM   PAV= 43'
4410          RS       6    FLOW     -1.
4411          RC    0.02   0.016    0.02   5300.  0.0029
4412          RX       0     0.1    13.5    23.5    46.5    56.5     70.    70.1
4413          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

4414          KK   C2-21
4415          KM   SUB-BASIN COMBINE
4416          HC       3  30.196

4417          KK   D221S
4418          KM   SUB-BASIN DIVERSION
4419          KM   SUB-BASIN 2-21
4420          KM   49% West & 51% South
4421          KM   DIVERSION WEST
4422          KM   STORM DRAIN ALONG ORANGEWOOD AVE AS PART OF ORANGEWOOD S.D. SYSTEM
4423          KM   CAP= 159.0 CFS WEST
4424          DT   D221W
4425          DI       0     159.    359.    659.   1159.   2159.
4426          DQ       0     159.    257.    404.    649.   1139.

4427          KK    CGA7
4428          KM   EAST/WEST STREET COMBINE
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K/714PRINT

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4429          KM   GLENDALE AVENUE
4430          HC       2  30.196

4431          KK   SGA7W
4432          KM   STREET CAPACITY DIVERSION
4433          KM   GLENDALE
4434          KM   DIVERSION TO SOUTH
4435          DT   SGA7S
4436          DI       0     46.    103.   1357.   2317.
4437          DQ       0     0.1     38.    632.   1074.

4438          KK   RGA11
4439          KM   STREET ROUTE
4440          KM   WEST
4441          KM   GLENDALE AVENUE
4442          RS       2    FLOW     -1.
4443          RC    0.02   0.016    0.02   2630.  0.0041
4444          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
4445          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

4446          KK   D83NA
4447          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
4448          KM   83RD & NORTHERN
4449          DR   D83NA
              *
              * KM NO STREET ROUTE SOUTH FROM 83RD AND NORTHERN
              * KM DUE TO GRADE BREAK ALONG 83RD AVENUE
              *
1                                   HEC-1 INPUT                                    PAGE 99

LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


4450          KK   D221W
4451          KM   RETRIEVAL OF SUB-BASIN DIVERSION
4452          KM   SUB-BASIN 2-21
4453          DR   D221W

4454          KK    C83D
4455          KM   NORTH/SOUTH STREET COMBINE
4456          KM   83RD AVENUE
4457          HC       2  30.196

4458          KK   S83ES
4459          KM   STREET CAPACITY DIVERSION
4460          KM   83RD AVENUE
4461          KM   DIVERSION TO WEST
4462          KM   STORM DRAIN ALONG 83RD AVENUE AS PART OF ORANGEWOOD STORM DRAIN SYSTEM
4463          KM   CAP= 220.0 CFS SOUTH
4464          DT   S83EW
4465          DI       0    250.    274.    877.   1344.
4466          DQ       0     0.1     11.    186.    316.

4467          KK    R83I
4468          KM   STREET ROUTE
4469          KM   SOUTH
4470          KM   83RD Avenue
4471          RS       2    FLOW     -1.
4472          RC    0.02   0.016    0.02   2630.  0.0040
4473          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
4474          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

4475          KK   CGA83
4476          KM   INTERSECTION COMBINE
4477          KM   GLENDALE & 83RD
4478          HC       2  30.196
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4479          KK   DGA83
4480          KM   STREET INTERSECTION DIVERSION
4481          KM   GLENDALE & 83RD
4482          KM   60% West & 40% South
4483          KM   DIVERSION SOUTH
4484          KM   STORM DRAIN ALONG GLENDALE AVENUE AS PART OF ORANGEWOOD S.D. SYSTEM
4485          KM   CAP= 455.0 CFS WEST
4486          DT   D83GA
4487          DI       0    455.  10455.
4488          DQ       0     0.1   4000.

4489          KK   RGA12
4490          KM   STREET ROUTE
4491          KM   WEST
4492          KM   GLENDALE
4493          RS       4    FLOW     -1.
4494          RC    0.02   0.016    0.02   2690.  0.0020
4495          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
4496          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
1                                          HEC-1 INPUT                                                    PAGE100

LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


4497          KK   SNA8S
4498          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
4499          KM   NPRTHERN AVENUE
4500          DR   SNA8S

4501          KK   R321S
4502          KM   SUB-BASIN STREET ROUTE
4503          KM   SOUTH
4504          KM   RW= 50'
4505          KM   PAV= 35'
4506          RS       8    FLOW     -1.
4507          RC    0.02   0.016    0.02   5280.  0.0014
4508          RX       0     0.1     7.5    17.5    32.5    42.5     50.    50.1
4509          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

4510          KK    3-21
4511          KM   SUB-BASIN 3-21
4512          KM   6-HOUR RAINFALL, PATTERN NO. 1.39 WAS USED TO FIND TC & R FOR THIS BASIN
4513          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .987
4514          KM     L = 1.42  Kb = .080  Adj. Slope =    8.0
4515          BA    .981
4516          LG    .490    .170   6.800    .200   1.000
4517          UC   1.500    .777
4518          UA       0       5      16      30      65      77      84      90      94      97
4519          UA     100

4520          KK   S83EW
4521          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
4522          KM   83RD
4523          DR   S83EW

4524          KK   R321W
4525          KM   SUB-BASIN STREET ROUTE
4526          KM   WEST
4527          KM   RW= 50'
4528          KM   PAV= 35'
4529          RS       5    FLOW     -1.
4530          RC    0.02   0.016    0.02   5310.  0.0033
4531          RX       0     0.1     7.5    17.5    32.5    42.5     50.    50.1
4532          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0
```

```
4533          KK   C3-21
4534          KM   SUB-BASIN COMBINE
4535          HC       3  34.462

4536          KK   D321S
4537          KM   SUB-BASIN DIVERSION
4538          KM   SUB-BASIN 3-21
4539          KM   31% West & 69% South
4540          DT   D321W
4541          DI       0  10000.
4542          DQ       0   3100.
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

4543          KK    CGA8
4544          KM   EAST/WEST STREET COMBINE
4545          KM   GLENDALE AVENUE
4546          HC       2  34.462

4547          KK   SGA8W
4548          KM   STREET CAPACITY DIVERSION
4549          KM   GLENDALE AVENUE
4550          KM   DIVERSION TO SOUTH
4551          KM   STORM DRAIN ALONG GLENDALE AVENUE AS PART OF ORANGEWOOD S.D. SYSTEM
4552          KM   CAP= 455.0 CFS
4553          DT   SGA8S
4554          DI       0    500.    530.   1355.   1995.
4555          DQ       0     0.1     11.    186.    316.

4556          KK   RGA13
4557          KM   STREET ROUTE
4558          KM   WEST
4559          KM   GLENDALE AVENUE
4560          RS       2    FLOW     -1.
4561          RC    0.02   0.016    0.02   2650.  0.0044
4562          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
4563          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

4564          KK   D91NA
4565          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
4566          KM   91ST & NORTHERN
4567          DR   D91NA

4568          KK    R91E
4569          KM   STREET ROUTE
4570          KM   SOUTH
4571          KM   91ST Avenue
4572          RS       3    FLOW     -1.
4573          RC    0.02   0.016    0.02   2570.  0.0033
4574          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
4575          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

4576          KK   D321W
4577          KM   RETRIEVAL OF SUB-BASIN DIVERSION
4578          KM   SUB-BASIN 3-21
4579          DR   D321W

4580          KK    C91C
4581          KM   NORTH/SOUTH STREET COMBINE
4582          KM   91ST AVENUE
4583          HC       2  34.462

4584          KK   S91CS
4585          KM   STREET CAPACITY DIVERSION
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K/L4PRINT

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4586          KM   91ST
4587          KM   DIVERSION TO WEST
4588          DT   S91CW
4589          DI       0     46.     76.    909.   1555.
1                                         HEC-1 INPUT                                                    PAGE102

LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

4590          DQ       0    0.1     11.    186.    316.

4591          KK    R91F
4592          KM   STREET ROUTE
4593          KM   SOUTH
4594          KM   91ST Avenue
4595          RS       3    FLOW     -1.
4596          RC    0.02   0.016    0.02   2610.  0.0032
4597          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
4598          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

4599          KK   CGA91
4600          KM   INTERSECTION COMBINE
4601          KM   GLENDALE & 91ST
4602          HC       2  34.462

4603          KK   DGA91
4604          KM   STREET INTERSECTION DIVERSION
4605          KM   GLENDALE & 91ST
4606          KM   64% West & 36% South
4607          KM   DIVERSION SOUTH
4608          KM   STORM DRAIN ALONG GLENDALE AVENUE AS PART OF ORANGEWOOD S.D. SYSTEM
4609          KM   CAP= 455.0 CFS WEST
4610          DT   D91GA
4611          DI       0    455.  10455.
4612          DQ       0     0.1   3600.

4613          KK   RGA14
4614          KM   STREET ROUTE
4615          KM   WEST
4616          KM   GLENDALE
4617          RS       2    FLOW     -1.
4618          RC    0.02   0.016    0.02   2580.  0.0040
4619          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
4620          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

4621          KK    4-21
4622          KM   SUB-BASIN 4-21
4623          KM   6-HOUR RAINFALL, PATTERN NO. 1.32 WAS USED TO FIND TC & R FOR THIS BASIN
4624          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .989
4625          KM     L = 1.35  Kb = .080  Adj. Slope =   13.0
4626          BA    .875
4627          LG    .490    .190   6.600    .220   2.000
4628          UC   1.500    .796
4629          UA       0       5      16      30      65      77      84      90      94      97
4630          UA     100

4631          KK    RET4
4632          KM   RETENTION BASIN DIVERSION
4633          KM   SUB-BASIN 4-21
4634          KM   13% OF SUB-BASIN DRAINS TO RETENTION BASIN
4635          DT   D4-21    5.94
4636          DI       0  10000.
4637          DQ       0   1300.
1                                         HEC-1 INPUT                                                    PAGE103

LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10
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4638          KK   S91CW
4639          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
4640          KM   91ST
4641          DR   S91CW

4642          KK   R421W
4643          KM   SUB-BASIN STREET ROUTE
4644          KM   WEST
4645          KM   RW= 50'
4646          KM   PAV= 35'
4647          RS       6    FLOW     -1.
4648          RC    0.02   0.016    0.02   4830.  0.0022
4649          RX       0     0.1     7.5    27.5    32.5    42.5     50.    50.1
4650          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

4651          KK   C4-21
4652          KM   SUB-BASIN COMBINE
4653          HC       2  35.336

4654          KK   D421S
4655          KM   SUB-BASIN DIVERSION
4656          KM   SUB-BASIN 4-21
4657          KM   42% West & 58% South
4658          DT   D421W
4659          DI       0  10000.
4660          DQ       0   4200.

4661          KK    CGA9
4662          KM   EAST/WEST STREET COMBINE
4663          KM   GLENDALE AVENUE
4664          HC       2  35.336

4665          KK   SGA9W
4666          KM   STREET CAPACITY DIVERSION
4667          KM   GLENDALE AVENUE
4668          KM   DIVERSION TO SOUTH
4669          KM   STORM DRAIN ALONG GLENDALE AVENUE AS PART OF ORANGEWOOD S.D. SYSTEM
4670          KM   CAP= 487.0 CFS WEST
4671          DT   SGA9S
4672          DI       0    524.    551.   1262.   1814.
4673          DQ       0     0.1     11.    186.    316.

4674          KK   RGA15
4675          KM   STREET ROUTE
4676          KM   WEST
4677          KM   GLENDALE AVENUE
4678          RS       7    FLOW     -1.
4679          RC    0.02   0.016    0.02   2690.  0.0005
4680          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
4681          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

4682          KK   D421W
4683          KM   RETRIEVAL OF SUB-BASIN DIVERSION
4684          KM   SUB-BASIN 4-21
4685          DR   D421W

4686          KK    R99A
4687          KM   STREET ROUTE
4688          KM   SOUTH
4689          KM   99TH Avenue
4690          RS       3    FLOW     -1.
```

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4691          RC    0.02   0.016    0.02   2610.  0.0026
4692          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
4693          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

4694          KK   CGA99
4695          KM   INTERSECTION COMBINE
4696          KM   GLENDALE & 99TH
4697          HC       2  35.336

4698          KK   DGA99
4699          KM   STREET INTERSECTION DIVERSION
4700          KM   GLENDALE & 99TH
4701          KM   00% West & 100% South
4702          KM   DIVERSION SOUTH
4703          KM   STORM DRAIN ALONG GLENDALE AVENUE AS PART OF ORANGEWOOD S.D. SYSTEM
4704          KM   CAP= 487.0 CFS WEST
4705          DT   D99GA
4706          DI       0    487.  10487.
4707          DQ       0     0.1  10000.
              *
              * NO ROUTE ALONG GLENDALE DUE TO NEGATIVE SLOPE TO THE WEST
              *

4708          KK   5-21
4709          KM   SUB-BASIN 5-21
4710          KM   6-HOUR RAINFALL, PATTERN NO. 1.00 WAS USED TO FIND TC & R FOR THIS BASIN
4711          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .995
4712          KM     L =  .74  Kb = .053  Adj. Slope =   16.0
4713          BA    .348
4714          LG    .320    .270   6.400    .190  11.000
4715          UC    .637    .322
4716          UA       0       5      16      30      65      77      84      90      94      97
4717          UA     100

4718          KK   C5-21
4719          KM   SUB-BASIN COMBINE
4720          HC       2  35.681

4721          KK   NULL4
4722          KM   NULL COMBINE @ GLENDALE AVE C.P.
4723          HC       2     1.
              *
              * BETHANY HOME ROAD COMPUTATION PATH
              *
1                                        HEC-1 INPUT                                        PAGE105

LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

4724          KK   11-22
4725          KM   SUB-BASIN 11-22
4726          KM   6-HOUR RAINFALL, PATTERN NO. 1.41 WAS USED TO FIND TC & R FOR THIS BASIN
4727          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .987
4728          KM     L = 1.48  Kb = .064  Adj. Slope =   14.0
4729          BA   1.006
4730          LG    .220    .260   5.200    .290  38.000
4731          UC   1.321    .687
4732          UA       0       5      16      30      65      77      84      90      94      97
4733          UA     100

4734          KK  D1122S
4735          KM   SUB-BASIN DIVERSION
4736          KM   SUB-BASIN 11-22
4737          KM   21% West & 79% South
4738          DT  D1122W
4739          DI       0  10000.
```

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4740        DQ      0   2100.

4741        KK   SGA1S
4742        KM   RETRIEVAL OF STREET CAPACITY DIVERSION
4743        KM   GLENDALE
4744        DR   SGA1S

4745        KK  R1122S
4746        KM   SUB-BASIN STREET ROUTE
4747        KM   SOUTH
4748        KM   RW= 120'
4749        KM   PAV= 78'
4750        RS       5    FLOW     -1.
4751        RC    0.02   0.016    0.02   5250.  0.0036
4752        RX       0     0.1    21.0    31.0    89.0    99.0    120.   120.1
4753        RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

4754        KK  C11-22
4755        KM   SUB-BASIN COMBINE
4756        HC       2     3.5

4757        KK  SD31A
4758        KM   STORM DRAIN DIVERSION
4759        KM   STORM DRAIN ALONG HALF MILE STREET
4760        KM   EXISTING STORM DRAIN ALONG 31ST AVENUE
4761        KM   DIVERSION SOUTH
4762        KM   CAP= 147 CFS SOUTH
4763        DT  SD31AS
4764        DI       0    147.  10147.
4765        DQ       0    147.    147.

4766        KK   SBH1E
4767        KM   STREET CAPACITY DIVERSION
4768        KM   BETHANY HOME ROAD
4769        KM   SPECIAL CASE
4770        KM   50/50 SPLIT EAST/WEST DUE TO GRADE BREAK
4771        DT   SBH1W
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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

4772        DI       0  10000.
4773        DQ       0   5000.

4774        KK   RBH1
4775        KM   STREET ROUTE
4776        KM   EAST
4777        KM   BETHANY HOME ROAD
4778        RS       5    FLOW     -1.
4779        RC    0.02   0.016    0.02   2630.  0.0011
4780        RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
4781        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

4782        KK   D27GA
4783        KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
4784        KM   27TH & GLENDALE
4785        DR   D27GA

4786        KK   R27C
4787        KM   STREET ROUTE
4788        KM   SOUTH
4789        KM   27TH Avenue
4790        RS       5    FLOW     -1.
4791        RC    0.02   0.016    0.02   5270.  0.0039
4792        RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
4793        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
```


K/7 4PRINT

```
4794        KK   12-22
4795        KM   SUB-BASIN 12-22
4796        KM   6-HOUR RAINFALL, PATTERN NO. 1.00 WAS USED TO FIND TC & R FOR THIS BASIN
4797        KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .997
4798        KM     L =  .68  Kb = .069  Adj. Slope =   15.0
4799        BA    .245
4800        LG    .200    .260   4.800    .340  49.000
4801        UC    .717    .419
4802        UA       0       5      16      30      65      77      84      90      94      97
4803        UA     100

4804        KK   CBH27
4805        KM   INTERSECTION COMBINE
4806        KM   BETHANY HOME & 27TH
4807        HC       3    21.3

4808        KK   DBH27
4809        KM   STREET INTERSECTION DIVERSION
4810        KM   BETHANY HOME & 27TH
4811        KM   0% West & 100% South
4812        KM   DIVERSION SOUTH
4813        KM   EXISTING STORM DRAIN ALONG 27TH AVENUE
4814        KM   CAP= 145 CFS SOUTH
4815        DT   D27BH
4816        DI       0  10000.
4817        DQ       0  10000.
```



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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

4818        KK   D35GA
4819        KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
4820        KM   35TH & GLENDALE
4821        DR   D35GA

4822        KK   R35E
4823        KM   STREET ROUTE
4824        KM   SOUTH
4825        KM   35TH Avenue
4826        RS       2    FLOW     -1.
4827        RC    0.02   0.016    0.02   2620.  0.0054
4828        RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
4829        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

4830        KK  D1122W
4831        KM   RETRIEVAL OF SUB-BASIN DIVERSION
4832        KM   SUB-BASIN 11-22
4833        DR  D1122W

4834        KK   C35C
4835        KM   NORTH/SOUTH STREET COMBINE
4836        KM   35TH AVENUE
4837        HC       2     3.1

4838        KK   R35F
4839        KM   STREET ROUTE
4840        KM   SOUTH
4841        KM   35TH Avenue
4842        RS       2    FLOW     -1.
4843        RC    0.02   0.016    0.02   2630.  0.0042
4844        RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
4845        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

4846        KK   SBH1W
```

```
4847        KM   RETRIEVAL OF STREET CAPACITY DIVERSION
4848        KM   SPECIAL CASE
4849        KM   50/50 SPLIT EAST/WEST DUE TO GRADE BREAK
4850        KM   BETHANY HOME ROAD
4851        DR   SBH1W

4852        KK   RBH2
4853        KM   STREET ROUTE
4854        KM   WEST
4855        KM   BETHANY HOME
4856        RS       4    FLOW     -1.
4857        RC    0.02   0.016    0.02   2650.  0.0012
4858        RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
4859        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
1                                         HEC-1 INPUT                                                    PAGE108

            LINE         ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


4860        KK   SGA2S
4861        KM   RETRIEVAL OF STREET CAPACITY DIVERSION
4862        KM   GLENDALE
4863        DR   SGA2S

4864        KK  R1022S
4865        KM   SUB-BASIN STREET ROUTE
4866        KM   SOUTH
4867        KM   RW= 70'
4868        KM   PAV= 43'
4869        RS       5    FLOW     -1.
4870        RC    0.02   0.016    0.02   5260.  0.0034
4871        RX       0     0.1    13.5    23.5    46.5    56.5     70.    70.1
4872        RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

4873        KK   10-22
4874        KM   SUB-BASIN 10-22
4875        KM   6-HOUR RAINFALL, PATTERN NO. 1.40 WAS USED TO FIND TC & R FOR THIS BASIN
4876        KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .987
4877        KM     L = 1.35  Kb = .077  Adj. Slope =   15.0
4878        BA    .991
4879        LG    .240    .250   5.300    .300  33.000
4880        UC   1.408    .691
4881        UA       0       5      16      30      65      77      84      90      94      97
4882        UA     100

4883        KK  C10-22
4884        KM   SUB-BASIN COMBINE
4885        HC       2     5.7

4886        KK  SD39A
4887        KM   STORM DRAIN DIVERSION
4888        KM   STORM DRAIN ALONG HALF MILE STREET
4889        KM   EXISTING STORM DRAIN ALONG 39TH AVENUE
4890        KM   DIVERSION SOUTH
4891        KM   CAP= 164 CFS SOUTH
4892        DT  SD39AS
4893        DI       0    164.  10164.
4894        DQ       0    164.    164.

4895        KK  D1022E
4896        KM   SUB-BASIN DIVERSION
4897        KM   SUB-BASIN 10-22
4898        KM   59% WEST & 41% EAST
4899        DT  D1022W
4900        DI       0  10000.
4901        DQ       0   5900.
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4902          KK   CBH35
4903          KM   INTERSECTION COMBINE
4904          KM   BETHANY HOME & 35TH
4905          HC       4     7.1
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

4906          KK   DBH35
4907          KM   STREET INTERSECTION DIVERSION
4908          KM   BETHANY HOME & 35TH
4909          KM   0% West & 100% South
4910          KM   DIVERSION SOUTH
4911          KM   EXISTING STORM DRAIN ALONG 35TH AVENUE
4912          KM   CAP=  55 CFS SOUTH
4913          DT   D35BH
4914          DI       0  10000.
4915          DQ       0  10000.

4916          KK   D43GA
4917          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
4918          KM   43RD & GLENDALE
4919          DR   D43GA

4920          KK   R43F
4921          KM   STREET ROUTE
4922          KM   SOUTH
4923          KM   43TH Avenue
4924          RS       3    FLOW     -1.
4925          RC    0.02   0.016    0.02   2610.  0.0025
4926          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
4927          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

4928          KK  D1022W
4929          KM   RETRIEVAL OF SUB-BASIN DIVERSION
4930          KM   SUB-BASIN 10-22
4931          DR  D1022W

4932          KK   C43D
4933          KM   NORTH/SOUTH STREET COMBINE
4934          KM   43TH AVENUE
4935          HC       2     5.7

4936          KK   S43DS
4937          KM   STREET CAPACITY DIVERSION
4938          KM   43RD AVENUE
4939          KM   DIVERSION TO WEST
4940          KM   EXISTING STORM DRAIN ALONG 43RD AVENUE
4941          KM   CAP= 100 CFS SOUTH
4942          DT   S43DW
4943          DI       0    132.    172.   1379.   2296.
4944          DQ       0     0.1     32.    741.   1279.

4945          KK   R43G
4946          KM   STREET ROUTE
4947          KM   SOUTH
4948          KM   43TH Avenue
4949          RS       3    FLOW     -1.
4950          RC    0.02   0.016    0.02   2620.  0.0031
4951          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
4952          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10
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4953          KK   CBH43
4954          KM   INTERSECTION COMBINE
4955          KM   BETHANY HOME & 43TH
4956          HC       2     5.7

4957          KK   DBH43
4958          KM   STREET INTERSECTION DIVERSION
4959          KM   BETHANY HOME & 43RD
4960          KM   51% West & 49% South
4961          KM   DIVERSION SOUTH
4962          KM   EXISTING STORM DRAIN ALONG 43RD AVENUE
4963          KM   CAP= 100 CFS SOUTH
4964          DT   D43BH
4965          DI       0    100.  10100.
4966          DQ       0    100.   5000.

4967          KK   RBH3
4968          KM   STREET ROUTE
4969          KM   WEST
4970          KM   BETHANY HOME ROAD
4971          RS       4    FLOW     -1.
4972          RC    0.02   0.016    0.02   2610.  0.0015
4973          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
4974          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

4975          KK   SGA3S
4976          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
4977          KM   GLENDALE
4978          DR   SGA3S

4979          KK   R922S
4980          KM   SUB-BASIN STREET ROUTE
4981          KM   SOUTH
4982          KM   RW= 170'
4983          KM   PAV= 113'
4984          RS       6    FLOW     -1.
4985          RC    0.02   0.016    0.02   5230.  0.0028
4986          RX       0     0.1    28.5    38.5   131.5   141.5    170.   170.1
4987          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

4988          KK    9-22
4989          KM   SUB-BASIN 9-22
4990          KM   6-HOUR RAINFALL, PATTERN NO. 1.40 WAS USED TO FIND TC & R FOR THIS BASIN
4991          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .987
4992          KM     L = 1.36  Kb = .069  Adj. Slope =   13.0
4993          BA    .990
4994          LG    .220    .230   6.200    .210  42.000
4995          UC   1.308    .641
4996          UA       0       5      16      30      65      77      84      90      94      97
4997          UA     100
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

4998          KK   S43DW
4999          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
5000          KM   43RD
5001          DR   S43DW

5002          KK   R922W
5003          KM   SUB-BASIN STREET ROUTE
5004          KM   WEST
5005          KM   RW= 270'
```


1K/14PRINT

```
5006        KM   PAV= 183'
5007        RS      7    FLOW     -1.
5008        RC   0.02   0.016    0.02   5240.  0.0020
5009        RX      0     0.1    43.5    53.5   216.5   226.5    270.   270.1
5010        RY    4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

5011        KK   C9-22
5012        KM   SUB-BASIN COMBINE
5013        HC      3    10.1

5014        KK   D922S
5015        KM   SUB-BASIN DIVERSION
5016        KM   SUB-BASIN 9-22
5017        KM   34% West & 66% South
5018        DT   D922W
5019        DI      0  10000.
5020        DQ      0   3400.

5021        KK   CBH1
5022        KM   EAST/WEST STREET COMBINE
5023        KM   BETHANY HOME
5024        HC      2    10.1

5025        KK   SBH2W
5026        KM   CASE 2
5027        KM   STREET CAPACITY DIVERSION
5028        KM   BETHANY HOME ROAD
5029        KM   DIVERSION TO SOUTH
5030        DT   SBH2S
5031        DI      0     93.    160.   1761.   2958.
5032        DQ      0     62.    115.   1270.   2114.

5033        KK   RBH4
5034        KM   STREET ROUTE
5035        KM   WEST
5036        KM   BETHANY HOME ROAD
5037        RS      4    FLOW     -1.
5038        RC   0.02   0.016    0.02   2590.  0.0015
5039        RX   44.9     45.     66.    66.1    134.   134.1    155.   155.1
5040        RY    4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

5041        KK   D51GA
5042        KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
5043        KM   51ST & GLENDALE
5044        DR   D51GA

5045        KK   R51H
5046        KM   STREET ROUTE
5047        KM   SOUTH
5048        KM   51ST Avenue
5049        RS      2    FLOW     -1.
5050        RC   0.02   0.016    0.02   2600.  0.0042
5051        RX   44.9     45.     66.    66.1    134.   134.1    155.   155.1
5052        RY    4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

5053        KK   D922W
5054        KM   RETRIEVAL OF SUB-BASIN DIVERSION
5055        KM   SUB-BASIN 9-22
5056        DR   D922W

5057        KK   C51D
5058        KM   NORTH/SOUTH STREET COMBINE
```


1C/14PRINT

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5059          KM   51ST AVENUE
5060          HC       2    10.1

5061          KK   S51ES
5062          KM   STREET CAPACITY DIVERSION
5063          KM   51ST
5064          KM   DIVERSION TO WEST
5065          DT   S51EW
5066          DI       0     44.    134.   1894.   3229.
5067          DQ       0     0.1     71.   1190.   2021.

5068          KK   R51I
5069          KM   STREET ROUTE
5070          KM   SOUTH
5071          KM   51ST Avenue
5072          RS       3    FLOW     -1.
5073          RC    0.02   0.016    0.02   2630.  0.0021
5074          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
5075          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

5076          KK   CBH51
5077          KM   INTERSECTION COMBINE
5078          KM   BETHANY HOME & 51ST
5079          HC       2    10.1

5080          KK   DBH51
5081          KM   STREET INTERSECTION DIVERSION
5082          KM   BETHANY HOME & 51ST
5083          KM   0% West & 100% South
5084          DT   D51BH
5085          DI       0  10000.
5086          DQ       0  10000.
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

5087          KK   S51EW
5088          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
5089          KM   51ST AVENUE
5090          DR   S51EW

5091          KK  R822EW
5092          KM   SUB-BASIN STREET ROUTE
5093          KM   WEST
5094          KM   RW= 170'
5095          KM   PAV= 113'
5096          RS       5    FLOW     -1.
5097          RC    0.02   0.016    0.02   2630.  0.0008
5098          RX       0     0.1    28.5    38.5   131.5   141.5    170.   170.1
5099          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

5100          KK  D822ES
5101          KM   RETRIEVAL OF SUB-BASIN DIVERSION
5102          KM   SUB-BASIN 8-22E
5103          DR  D822ES

5104          KK  C822E1
5105          KM   SUB-BASIN COMBINE
5106          HC       2    14.6

5107          KK   RES8
5108          KM   PONDING AREA RESERVOIR ROUTE
5109          KM   PONDING AREA NORTHEAST OF GRAND AVENUE/RR EMBANKMENT
5110          KM   SUB-BASIN 8-22E
5111          RS       1    ELEV   1148.
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5112          SV       0   14.95   50.65   78.30  116.78  220.43
5113          SE    1148.   1149.   1150.  1150.5   1151.   1152.
5114          SQ       0     0.1     0.2    310.   1070.   4090.

5115          KK  R822WW
5116          KM   SUB-BASIN STREET ROUTE
5117          KM   WEST
5118          KM   RW= 110'
5119          KM   PAV= 68'
5120          RS       4    FLOW     -1.
5121          RC    0.02   0.016    0.02   3090.  0.0022
5122          RX       0     0.1    21.0    31.0    79.0    89.0    110.   110.1
5123          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

5124          KK   8-22W
5125          KM   SUB-BASIN 8-22W
5126          KM   6-HOUR RAINFALL, PATTERN NO. 1.00 WAS USED TO FIND TC & R FOR THIS BASIN
5127          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .994
5128          KM     L =  .51  Kb = .039  Adj. Slope =   13.0
5129          BA    .494
5130          LG    .170    .260   5.100    .340  57.000
5131          UC    .408    .119
5132          UA       0       5      16      30      65      77      84      90      94      97
5133          UA     100
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

5134          KK  D822WS
5135          KM   SUB-BASIN DIVERSION
5136          KM   SUB-BASIN 8-22W
5137          KM   21% West & 79% South
5138          DT  D822WW
5139          DI       0  10000.
5140          DQ       0   2100.

5141          KK  C8-22W
5142          KM   SUB-BASIN COMBINE
5143          HC       3    15.1

5144          KK   SBH3W
5145          KM   STREET CAPACITY DIVERSION
5146          KM   BETHANY HOME ROAD
5147          KM   DIVERSION TO SOUTH
5148          DT   SBH3S
5149          DI       0     39.     83.   1068.   1825.
5150          DQ       0     0.1     27.    446.    758.

5151          KK   RBH5
5152          KM   STREET ROUTE
5153          KM   WEST
5154          KM   BETHANY HOME
5155          RS       3    FLOW     -1.
5156          RC    0.02   0.016    0.02   2740.  0.0021
5157          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
5158          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

5159          KK  D822WW
5160          KM   RETRIEVAL OF SUB-BASIN DIVERSION
5161          KM   SUB-BASIN 8-22W
5162          DR  D822WW

5163          KK   S59ES
5164          KM   STREET CAPACITY DIVERSION
5165          KM   59TH AVENUE
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5166        KM   DIVERSION TO WEST
5167        DT   S59EW
5168        DI       0     38.     92.   1238.   2113.
5169        DQ       0     0.1     38.    632.   1074.

5170        KK   R59I
5171        KM   STREET ROUTE
5172        KM   SOUTH
5173        KM   59TH Avenue
5174        RS       3    FLOW     -1.
5175        RC    0.02   0.016    0.02   2690.  0.0021
5176        RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
5177        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
1                                          HEC-1 INPUT                                                    PAGE115

LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


5178        KK   CBH59
5179        KM   INTERSECTION COMBINE
5180        KM   BETHANY HOME & 59TH
5181        HC       2    15.1

5182        KK   DBH59
5183        KM   STREET INTERSECTION DIVERSION
5184        KM   BETHANY HOME & 59TH
5185        KM   44% West & 56% South
5186        DT   D59BH
5187        DI       0  10000.
5188        DQ       0   5600.

5189        KK   RBH6
5190        KM   STREET ROUTE
5191        KM   WEST
5192        KM   BETHANY HOME
5193        RS       3    FLOW     -1.
5194        RC    0.02   0.016    0.02   2690.  0.0032
5195        RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
5196        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

5197        KK   SGA5S
5198        KM   RETRIEVAL OF STREET CAPACITY DIVERSION
5199        KM   GLENDALE
5200        DR   SGA5S

5201        KK   R722S
5202        KM   SUB-BASIN STREET ROUTE
5203        KM   SOUTH
5204        KM   RW= 320'
5205        KM   PAV= 218'
5206        RS       7    FLOW     -1.
5207        RC    0.02   0.016    0.02   5240.  0.0022
5208        RX       0     0.1    51.0    61.0   259.0   269.0    320.   320.1
5209        RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

5210        KK    7-22
5211        KM   SUB-BASIN 7-22
5212        KM   6-HOUR RAINFALL, PATTERN NO. 1.38 WAS USED TO FIND TC & R FOR THIS BASIN
5213        KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .987
5214        KM     L = 1.47  Kb = .067  Adj. Slope =   14.0
5215        BA    .970
5216        LG    .220    .260   5.600    .260  39.000
5217        UC   1.346    .712
5218        UA       0       5      16      30      65      77      84      90      94      97
5219        UA     100
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5220          KK   S59EW
5221          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
5222          KM   59TH
5223          DR   S59EW
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

5224          KK   R722W
5225          KM   SUB-BASIN STREET ROUTE
5226          KM   WEST
5227          KM   RW= 220'
5228          KM   PAV= 148'
5229          RS       5    FLOW     -1.
5230          RC    0.02   0.016    0.02   5200.  0.0040
5231          RX       0     0.1    36.0    46.0   174.0   184.0    220.   220.1
5232          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

5233          KK   C7-22
5234          KM   SUB-BASIN COMBINE
5235          HC       3    19.3

5236          KK   D722S
5237          KM   SUB-BASIN DIVERSION
5238          KM   SUB-BASIN 7-22
5239          KM   36% West & 64% South
5240          DT   D722W
5241          DI       0  10000.
5242          DQ       0   3600.

5243          KK   CBH2
5244          KM   EAST/WEST STREET COMBINE
5245          KM   BETHANY HOME
5246          HC       2    25.8

5247          KK   SBH4W
5248          KM   STREET CAPACITY DIVERSION
5249          KM   BETHANY HOME
5250          KM   DIVERSION TO SOUTH
5251          DT   SBH4S
5252          DI       0     43.    155.   2245.   3826.
5253          DQ       0     0.1     93.   1561.   2652.

5254          KK   RBH7
5255          KM   STREET ROUTE
5256          KM   WEST
5257          KM   BETHANY HOME
5258          RS       3    FLOW     -1.
5259          RC    0.02   0.016    0.02   2510.  0.0026
5260          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
5261          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

5262          KK   D67GA
5263          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
5264          KM   67TH & GLENDALE
5265          DR   D67GA
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

5266          KK   R67J
5267          KM   STREET ROUTE
5268          KM   SOUTH
5269          KM   67TH Avenue
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5270        RS      2    FLOW     -1.
5271        RC   0.02   0.016    0.02   2660.  0.0064
5272        RX   44.9     45.     66.    66.1    134.   134.1    155.   155.1
5273        RY    4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

5274        KK   D722W
5275        KM   RETRIEVAL OF SUB-BASIN DIVERSION
5276        KM   SUB-BASIN 7-22
5277        DR   D722W

5278        KK   C67E
5279        KM   NORTH/SOUTH STREET COMBINE
5280        KM   67TH AVENUE
5281        HC      2    19.3

5282        KK   S67FS
5283        KM   STREET CAPACITY DIVERSION
5284        KM   67TH
5285        KM   DIVERSION TO WEST
5286        DT   S67FW
5287        DI      0     30.     69.    918.   1567.
5288        DQ      0     0.1     27.    446.    758.

5289        KK   R67K
5290        KM   STREET ROUTE
5291        KM   SOUTH
5292        KM   67TH Avenue
5293        RS      4    FLOW     -1.
5294        RC   0.02   0.016    0.02   2640.  0.0016
5295        RX   44.9     45.     66.    66.1    134.   134.1    155.   155.1
5296        RY    4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

5297        KK   CBH67
5298        KM   INTERSECTION COMBINE
5299        KM   BETHANY HOME & 67TH
5300        HC      2    21.3

5301        KK   DBH67
5302        KM   STREET INTERSECTION DIVERSION
5303        KM   BETHANY HOME & 67TH
5304        KM   35% West & 65% South
5305        DT   D67BH
5306        DI      0  10000.
5307        DQ      0   6500.
```



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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

5308        KK    RBH8
5309        KM   STREET ROUTE
5310        KM   WEST
5311        KM   BETHANY HOME
5312        RS      3    FLOW     -1.
5313        RC   0.02   0.016    0.02   2650.  0.0037
5314        RX   44.9     45.     66.    66.1    134.   134.1    155.   155.1
5315        RY    4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

5316        KK   SGA6S
5317        KM   RETRIEVAL OF STREET CAPACITY DIVERSION
5318        KM   GLENDALE AVENUE
5319        DR   SGA6S

5320        KK   R1221S
5321        KM   SUB-BASIN STREET ROUTE
5322        KM   SOUTH
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5323          KM   RW= 70'
5324          KM   PAV= 43'
5325          RS       8    FLOW     -1.
5326          RC    0.02   0.016    0.02   5220.  0.0015
5327          RX       0     0.1    13.5    23.5    46.5    56.5     70.    70.1
5328          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

5329          KK   12-21
5330          KM   SUB-BASIN 12-21
5331          KM   6-HOUR RAINFALL, PATTERN NO. 1.40 WAS USED TO FIND TC & R FOR THIS BASIN
5332          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .987
5333          KM     L = 1.29  Kb = .074  Adj. Slope =   16.0
5334          BA   1.004
5335          LG    .370    .150   9.700    .070  17.000
5336          UC   1.183    .546
5337          UA       0       5      16      30      65      77      84      90      94      97
5338          UA     100

5339          KK   RET12
5340          KM   RETENTION BASIN DIVERSION
5341          KM   SUB-BASIN 12-21
5342          KM    6% OF SUB-BASIN DRAINS TO RETENTION BASIN
5343          DT  D1221R    4.18
5344          DI       0  10000.
5345          DQ       0    600.

5346          KK   S67FW
5347          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
5348          KM   67TH
5349          DR   S67FW

5350          KK  R1221W
5351          KM   SUB-BASIN STREET ROUTE
5352          KM   WEST
5353          KM   RW= 120'
5354          KM   PAV= 78'
5355          RS       3    FLOW     -1.
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

5356          RC    0.02   0.016    0.02   5330.  0.0036
5357          RX       0     0.1    21.0    31.0    89.0    99.0    120.   120.1
5358          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

5359          KK  C12-21
5360          KM   SUB-BASIN COMBINE
5361          HC       3  31.347

5362          KK  D1221S
5363          KM   SUB-BASIN DIVERSION
5364          KM   SUB-BASIN 12-21
5365          KM   38% West & 62% South
5366          DT  D1221W
5367          DI       0  10000.
5368          DQ       0   3800.

5369          KK    CBH3
5370          KM   EAST/WEST STREET COMBINE
5371          KM   BETHANY HOME
5372          HC       2  31.347

5373          KK   SBH5W
5374          KM   STREET CAPACITY DIVERSION
5375          KM   BETHANY HOME
5376          KM   DIVERSION TO SOUTH
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5377          DT   SBH5S
5378          DI       0     37.     73.   1221.   2087.
5379          DQ       0     0.1     27.    446.    758.

5380          KK    RBH9
5381          KM   STREET ROUTE
5382          KM   WEST
5383          KM   BETHANY HOME
5384          RS       3    FLOW     -1.
5385          RC    0.02   0.016    0.02   2680.  0.0039
5386          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
5387          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

5388          KK   D75GA
5389          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
5390          KM   75TH & GLENDALE
5391          DR   D75GA

5392          KK    R75K
5393          KM   STREET ROUTE
5394          KM   SOUTH
5395          KM   75TH Avenue
5396          RS       3    FLOW     -1.
5397          RC    0.02   0.016    0.02   2620.  0.0021
5398          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
5399          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

5400          KK  D1221W
5401          KM   RETRIEVAL OF SUB-BASIN DIVERSION
5402          KM   SUB-BASIN 12-21
5403          DR  D1221W

5404          KK    C75E
5405          KM   NORTH/SOUTH STREET COMBINE
5406          KM   75TH AVENUE
5407          HC       2  31.347

5408          KK   S75GS
5409          KM   STREET CAPACITY DIVERSION
5410          KM   75TH
5411          KM   DIVERSION TO WEST
5412          DT   S75GW
5413          DI       0     35.     66.    821.   1404.
5414          DQ       0     0.1     16.    260.    442.

5415          KK    R75L
5416          KM   STREET ROUTE
5417          KM   SOUTH
5418          KM   75TH Avenue
5419          RS       4    FLOW     -1.
5420          RC    0.02   0.016    0.02   2640.  0.0019
5421          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
5422          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

5423          KK   CBH75
5424          KM   INTERSECTION COMBINE
5425          KM   BETHANY HOME & 75TH
5426          HC       2  31.347

5427          KK   DBH75
5428          KM   STREET INTERSECTION DIVERSION
5429          KM   BETHANY HOME & 75TH
```


K/14PRINT

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5430          KM   69% West & 31% South
5431          DT   D75BH
5432          DI       0  10000.
5433          DQ       0   3100.

5434          KK   RBH10
5435          KM   STREET ROUTE
5436          KM   WEST
5437          KM   BETHANY HOME
5438          RS       3    FLOW     -1.
5439          RC    0.02   0.016    0.02   2590.  0.0035
5440          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
5441          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
1                                          HEC-1 INPUT                                                    PAGE121

LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


5442          KK   SGA7S
5443          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
5444          KM   GLENDALE
5445          DR   SGA7S

5446          KK  R1121S
5447          KM   SUB-BASIN STREET ROUTE
5448          KM   SOUTH
5449          KM   RW= 70'
5450          KM   PAV= 43'
5451          RS       7    FLOW     -1.
5452          RC    0.02   0.016    0.02   5960.  0.0024
5453          RX       0     0.1    13.5    23.5    46.5    56.5     70.    70.1
5454          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

5455          KK   11-21
5456          KM   SUB-BASIN 11-21
5457          KM   6-HOUR RAINFALL, PATTERN NO. 1.39 WAS USED TO FIND TC & R FOR THIS BASIN
5458          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .987
5459          KM     L = 1.25  Kb = .079  Adj. Slope =   17.0
5460          BA    .985
5461          LG    .400    .150   7.600    .140  12.000
5462          UC   1.258    .576
5463          UA       0       5      16      30      65      77      84      90      94      97
5464          UA     100

5465          KK   RET11
5466          KM   RETENTION BASIN DIVERSION
5467          KM   SUB-BASIN 11-21
5468          KM   24% OF SUB-BASIN DRAINS TO RETENTION BASIN
5469          DT  D1121R   13.13
5470          DI       0  10000.
5471          DQ       0   2400.

5472          KK   S75GW
5473          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
5474          KM   75TH
5475          DR   S75GW

5476          KK  R1121W
5477          KM   SUB-BASIN STREET ROUTE
5478          KM   WEST
5479          KM   RW= 50'
5480          KM   PAV= 35'
5481          RS       5    FLOW     -1.
5482          RC    0.02   0.016    0.02   5240.  0.0035
5483          RX       0     0.1     7.5    27.5    32.5    42.5     50.    50.1
5484          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0
```

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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

5485          KK  C11-21
5486          KM   SUB-BASIN COMBINE
5487          HC       3  34.871

5488          KK  D1121S
5489          KM   SUB-BASIN DIVERSION
5490          KM   SUB-BASIN 11-21
5491          KM   30% West & 70% South
5492          DT  D1121W
5493          DI       0  10000.
5494          DQ       0   3000.

5495          KK    CBH4
5496          KM   EAST/WEST STREET COMBINE
5497          KM   BETHANY HOME
5498          HC       2  34.871

5499          KK   SBH6W
5500          KM   STREET CAPACITY DIVERSION
5501          KM   BETHANY HOME
5502          KM   DIVERSION TO SOUTH
5503          DT   SBH6S
5504          DI       0     36.     56.    927.   1588.
5505          DQ       0     0.1     11.    186.    316.

5506          KK   RBH11
5507          KM   STREET ROUTE
5508          KM   WEST
5509          KM   BETHANY HOME
5510          RS       3    FLOW     -1.
5511          RC    0.02   0.016    0.02   2620.  0.0034
5512          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
5513          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

5514          KK   D83GA
5515          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
5516          KM   83RD & GLENDALE
5517          DR   D83GA

5518          KK    R83J
5519          KM   STREET ROUTE
5520          KM   SOUTH
5521          KM   83RD Avenue
5522          RS       3    FLOW     -1.
5523          RC    0.02   0.016    0.02   2590.  0.0025
5524          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
5525          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

5526          KK  D1121W
5527          KM   RETRIEVAL OF SUB-BASIN DIVERSION
5528          KM   SUB-BASIN 11-21
5529          DR  D1121W
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

5530          KK    C83E
5531          KM   NORTH/SOUTH STREET COMBINE
5532          KM   83RD AVENUE
5533          HC       2  34.871
```

```
5534          KK   S83FS
5535          KM   STREET CAPACITY DIVERSION
5536          KM   83RD
5537          KM   DIVERSION TO WEST
5538          DT   S83FW
5539          DI       0     28.     50.    834.   1426.
5540          DQ       0     0.1     16.    260.    442.

5541          KK    R83K
5542          KM   STREET ROUTE
5543          KM   SOUTH
5544          KM   83RD Avenue
5545          RS       4    FLOW     -1.
5546          RC    0.02   0.016    0.02   2580.  0.0018
5547          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
5548          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

5549          KK   CBH83
5550          KM   INTERSECTION COMBINE
5551          KM   BETHANY HOME & 83RD
5552          HC       2  34.871

5553          KK   DBH83
5554          KM   BETHANY HOME RD. TERMINATES AT 83RD AVENUE
5555          KM   FLOW DIVERSION BASED ON TOPO AND COMPUTED RATING DATA
5556          KM   SEE APPENDIX G FOR COMPUTATIONS
5557          KM   STREET INTERSECTION DIVERSION - SPECIAL CASE
5558          KM   BETHANY HOME & 83RD
5559          DT   D83BH
5560          DI       0    243.    859.   1844.
5561          DQ       0    115.    324.    595.

5562          KK   RBH12
5563          KM   STREET ROUTE
5564          KM   WEST
5565          KM   BETHANY HOME
5566          RS       5    FLOW     -1.
5567          RC    0.02   0.016    0.02   5222.  0.0031
5568          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
5569          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

5570          KK   SGA8S
5571          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
5572          KM   GLENDALE
5573          DR   SGA8S
1                                   HEC-1 INPUT                                    PAGE124

LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


5574          KK  R1021S
5575          KM   SUB-BASIN STREET ROUTE
5576          KM   SOUTH
5577          KM   RW= 50'
5578          KM   PAV= 35'
5579          RS       5    FLOW     -1.
5580          RC    0.02   0.016    0.02   5140.  0.0035
5581          RX       0     0.1     7.5    17.5    32.5    42.5     50.    50.1
5582          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

5583          KK   10-21
5584          KM   SUB-BASIN 10-21
5585          KM   6-HOUR RAINFALL, PATTERN NO. 1.39 WAS USED TO FIND TC & R FOR THIS BASIN
5586          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .987
5587          KM     L = 1.42  Kb = .061  Adj. Slope =   17.0
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5588          BA    .979
5589          LG    .330    .210   7.600    .120   7.000
5590          UC   1.133    .570
5591          UA      0       5      16      30      65      77      84      90      94      97
5592          UA    100

5593          KK   RET10
5594          KM   RETENTION BASIN DIVERSION
5595          KM   SUB-BASIN 10-21
5596          KM   29% OF SUB-BASIN DRAINS TO RETENTION BASIN
5597          DT  D1021R   14.77
5598          DI       0  10000.
5599          DQ       0   2900.

5600          KK   S83FW
5601          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
5602          KM   83RD AVENUE
5603          DR   S83FW

5604          KK  R1021W
5605          KM   SUB-BASIN STREET ROUTE
5606          KM   WEST
5607          KM   RW= 120'
5608          KM   PAV=  78'
5609          RS       5    FLOW     -1.
5610          RC    0.02   0.016    0.02   5260.  0.0032
5611          RX       0     0.1    21.0    31.0    89.0    99.0    120.   120.1
5612          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

5613          KK  C10-21
5614          KM   SUB-BASIN COMBINE
5615          HC       3  43.317

5616          KK  D1021S
5617          KM   SUB-BASIN DIVERSION
5618          KM   SUB-BASIN 10-21
5619          KM   43% West & 57% South
5620          DT  D1021W
5621          DI       0  10000.
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

5622          DQ       0   4300.

5623          KK   D91GA
5624          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
5625          KM   91ST & GLENDALE
5626          DR   D91GA

5627          KK    R91G
5628          KM   STREET ROUTE
5629          KM   SOUTH
5630          KM   91ST Avenue
5631          RS       3    FLOW     -1.
5632          RC    0.02   0.016    0.02   2600.  0.0024
5633          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
5634          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

5635          KK  D1021W
5636          KM   RETRIEVAL OF SUB-BASIN DIVERSION
5637          KM   SUB-BASIN 10-21
5638          DR  D1021W

5639          KK    C91D
5640          KM   NORTH/SOUTH STREET COMBINE
```


KC/14PRINT

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5641          KM   91ST AVENUE
5642          HC       2  43.317

5643          KK   S91DS
5644          KM   STREET CAPACITY DIVERSION
5645          KM   91ST AVENUE
5646          KM   DIVERSION TO WEST
5647          DT   S91DW
5648          DI       0     12.     26.    435.    743.
5649          DQ       0     0.1     11.    186.    316.

5650          KK    R91H
5651          KM   STREET ROUTE
5652          KM   SOUTH
5653          KM   91ST Avenue
5654          RS       4    FLOW     -1.
5655          RC    0.02   0.016    0.02   2580.  0.0015
5656          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
5657          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

5658          KK    CBH5
5659          KM   EAST/WEST STREET COMBINE
5660          KM   BETHANY HOME
5661          HC       3  43.317

5662          KK   RES10
5663          KM   PONDING AREA RESERVOIR ROUTE
5664          KM   RETENTION BASIN NORTH OF GRAND CANAL EMBANKMENT
5665          KM   SQ DATA INCLUDES FLOW SOUTH OVER CANAL AND FLOW WEST OVER 91ST AVE
5666          KM   SUB-BASIN 10-21
5667          RS       1    ELEV   1064.
5668          SV       0    16.7    40.1    55.3    71.6
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

5669          SE   1064.   1066.   1068.   1069.   1070.
5670          SQ       0     0.1     0.2   1377.   5008.

5671          KK   SBH7W
5672          KM   DIVERSION
5673          KM   BETHANY HOME ALIGNMENT/GRAND CANAL
5674          KM   RETENTION BASIN NORTH OF GRAND CANAL EMBANKMENT
5675          KM   FLOW SOUTH OVER CANAL AND FLOW WEST OVER 91ST AVE
5676          KM   DIVERSION TO SOUTH
5677          DT   SBH7S
5678          DI       0   1377.   5008.
5679          DQ       0    432.   2336.

5680          KK   DBH91
5681          KM   STREET INTERSECTION DIVERSION
5682          KM   BETHANY HOME & 91ST
5683          KM   100% West & 00% South
5684          DT   D91BH
5685          DI       0  10000.
5686          DQ       0     0.0

5687          KK   RBH13
5688          KM   STREET ROUTE
5689          KM   WEST
5690          KM   BETHANY HOME
5691          RS       6    FLOW     -1.
5692          RC    0.02   0.016    0.02   5290.  0.0023
5693          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
5694          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
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1C7-14PRINT

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5695        KK   SGA9S
5696        KM   RETRIEVAL OF STREET CAPACITY DIVERSION
5697        KM   GLENDALE
5698        DR   SGA9S

5699        KK   R921S
5700        KM   SUB-BASIN STREET ROUTE
5701        KM   SOUTH
5702        KM   RW= 50'
5703        KM   PAV= 35'
5704        RS      8    FLOW     -1.
5705        RC   0.02   0.016    0.02   5160.  0.0014
5706        RX      0     0.1     7.5    17.5    31.5    42.5     50.    50.1
5707        RY    4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

5708        KK    9-21
5709        KM   SUB-BASIN 9-21
5710        KM   6-HOUR RAINFALL, PATTERN NO. 1.38 WAS USED TO FIND TC & R FOR THIS BASIN
5711        KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .987
5712        KM     L = 1.30  Kb = .080  Adj. Slope =   12.0
5713        BA    .967
5714        LG    .500    .150   7.000    .180    .000
5715        UC   1.500    .730
5716        UA      0       5      16      30      65      77      84      90      94      97
5717        UA    100
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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

5718        KK   S91DW
5719        KM   RETRIEVAL OF STREET CAPACITY DIVERSION
5720        KM   91ST
5721        DR   S91DW

5722        KK   R921W
5723        KM   SUB-BASIN STREET ROUTE
5724        KM   WEST
5725        KM   RW= 70'
5726        KM   PAV= 43'
5727        RS      6    FLOW     -1.
5728        RC   0.02   0.016    0.02   5280.  0.0024
5729        RX      0     0.1    13.5    23.5    46.5    56.5     70.    70.1
5730        RY    4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

5731        KK   C9-21
5732        KM   SUB-BASIN COMBINE
5733        HC      3  45.158

5734        KK   D921S
5735        KM   SUB-BASIN DIVERSION
5736        KM   SUB-BASIN 9-21
5737        KM   39% West & 61% South
5738        DT   D921W
5739        DI      0  10000.
5740        DQ      0   3900.

5741        KK   D99GA
5742        KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
5743        KM   99TH & GLENDALE
5744        DR   D99GA

5745        KK    R99B
5746        KM   STREET ROUTE
5747        KM   SOUTH
5748        KM   99TH Avenue
```


K/L4PRINT

```
5749        RS      3    FLOW     -1.
5750        RC   0.02   0.016    0.02   2580.  0.0030
5751        RX   44.9     45.     66.    66.1    134.   134.1    155.   155.1
5752        RY    4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

5753        KK   D921W
5754        KM   RETRIEVAL OF SUB-BASIN DIVERSION
5755        KM   SUB-BASIN 9-21
5756        DR   D921W

5757        KK    C99A
5758        KM   NORTH/SOUTH STREET COMBINE
5759        KM   99TH AVENUE
5760        HC       2  45.158
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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

5761        KK   S99AS
5762        KM   STREET CAPACITY DIVERSION
5763        KM   99TH AVENUE
5764        KM   DIVERSION TO WEST
5765        KM   SPECIAL CASE 100% FLOW WEST
5766        DT   S99AW
5767        DI       0  10000.
5768        DQ       0  10000.

5769        KK    R99C
5770        KM   STREET ROUTE
5771        KM   SOUTH
5772        KM   99TH Avenue
5773        RS      3    FLOW     -1.
5774        RC   0.02   0.016    0.02   2220.  0.0014
5775        RX   44.9     45.     66.    66.1    134.   134.1    155.   155.1
5776        RY    4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

5777        KK    CBH6
5778        KM   EAST/WEST STREET COMBINE
5779        KM   BETHANY HOME
5780        HC       3  45.158

5781        KK    RES9
5782        KM   PONDING AREA RESERVOIR ROUTE
5783        KM   PONDING AREA NORTH OF GRAND CANAL
5784        KM   SQ DATA INCLUDES FLOW SOUTH OVER CANAL AND FLOW WEST OVER 99TH AVE
5785        KM   SUB-BASIN 9-21
5786        RS      1    ELEV   1056.
5787        SV      0    16.5    38.3    75.5   140.4
5788        SE   1056.   1058.   1059.   1060.   1061.
5789        SQ      0.     0.1   1755.   6437.  16856.

5790        KK   SBH8W
5791        KM   DIVERSION
5792        KM   BETHANY HOME ALIGNMENT/GRAND CANAL
5793        KM   RETENTION BASIN NORTH OF GRAND CANAL EMBANKMENT
5794        KM   FLOW SOUTH OVER CANAL AND FLOW WEST OVER 99TH AVE
5795        KM   DIVERSION TO SOUTH
5796        DT   SBH8S
5797        DI       0   1755.   6437.  16856.
5798        DQ       0     0.1     0.2   2592.

5799        KK   DBH99
5800        KM   STREET INTERSECTION DIVERSION
5801        KM   BETHANY HOME & 99TH
5802        KM   100% West & 00% South
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5803          DT   D99BH
5804          DI       0  10000.
5805          DQ       0    0.0
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

5806          KK   RBH14
5807          KM   STREET ROUTE
5808          KM   WEST
5809          KM   BETHANY HOME
5810          RS       4    FLOW     -1.
5811          RC    0.02   0.016    0.02   2270.  0.0009
5812          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
5813          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

5814          KK   8-21E
5815          KM   SUB-BASIN 8-21E
5816          KM   6-HOUR RAINFALL, PATTERN NO. 1.01 WAS USED TO FIND TC & R FOR THIS BASIN
5817          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .993
5818          KM     L =  .96  Kb = .085  Adj. Slope =   14.0
5819          BA    .508
5820          LG    .480    .230   6.200    .250   2.000
5821          UC   1.337    .728
5822          UA       0       5      16      30      65      77      84      90      94      97
5823          UA     100

5824          KK   S99AW
5825          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
5826          KM   99TH AVENUE
5827          DR   S99AW

5828          KK  R821EW
5829          KM   SUB-BASIN STREET ROUTE
5830          KM   WEST
5831          KM   RW= 70'
5832          KM   PAV= 43'
5833          RS       4    FLOW     -1.
5834          RC    0.02   0.016    0.02   3300.  0.0024
5835          RX       0     0.1    13.5    23.5    46.5    56.5     70.    70.1
5836          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

5837          KK  C8-21E
5838          KM   SUB-BASIN COMBINE
5839          HC       2  46.012

5840          KK  D821ES
5841          KM   SUB-BASIN DIVERSION
5842          KM   SUB-BASIN 8-21E
5843          KM   56% West & 44% South
5844          DT  D821EW
5845          DI       0  10000.
5846          DQ       0   5600.

5847          KK    CBH7
5848          KM   EAST/WEST STREET COMBINE
5849          HC       2  46.012
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

5850          KK   RES8S
5851          KM   PONDING AREA RESERVOIR ROUTE
5852          KM   PONDING AREA EAST OF GRAND CANAL
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5853          KM   SUB-BASIN 8-21E
5854          RS       1    ELEV   1052.
5855          SV       0    18.0    44.7    89.0
5856          SE    1052.   1054.   1055.   1056.
5857          SQ      0.     0.1     0.2   2160.

5858          KK   8-21W
5859          KM   SUB-BASIN 8-21W
5860          KM   6-HOUR RAINFALL, PATTERN NO. 1.00 WAS USED TO FIND TC & R FOR THIS BASIN
5861          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .996
5862          KM     L =  .70  Kb = .081  Adj. Slope =   16.0
5863          BA    .274
5864          LG    .430    .230   6.200    .240   8.000
5865          UC    .892    .512
5866          UA       0       5      16      30      65      77      84      90      94      97
5867          UA     100

5868          KK  C8-21W
5869          KM   SUB-BASIN COMBINE
5870          HC       2  46.290

5871          KK  D821EW
5872          KM   RETRIEVAL OF SUB-BASIN DIVERSION
5873          KM   SUB-BASIN 8-21E
5874          DR  D821EW

5875          KK   RES8N
5876          KM   PONDING AREA RESERVOIR ROUTE
5877          KM   PONDING AREA NORTHEAST OF GRAND CANAL
5878          KM   SUB-BASIN 8-21E
5879          RS       1    ELEV   1050.
5880          SV       0    15.0    34.7    63.8   107.6
5881          SE    1050.   1052.   1053.   1054.   1055.
5882          SQ      0.     0.1     0.2   4536.  13441.
              *

5883          KK   NULL5
5884          KM   NULL COMBINE @ BETHANY HOME C.P.
5885          HC       3     1.
              *
              * CAMELBACK COMPUTATION PATH
              *

5886          KK   D27BH
5887          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
5888          KM   27TH & BETHANY HOME
5889          DR   D27BH
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

5890          KK   R27D
5891          KM   STREET ROUTE
5892          KM   SOUTH
5893          KM   27TH Avenue
5894          RS       5    FLOW     -1.
5895          RC    0.02   0.016    0.02   5280.  0.0035
5896          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
5897          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

5898          KK   13-22
5899          KM   SUB-BASIN 13-22
5900          KM   6-HOUR RAINFALL, PATTERN NO. 1.00 WAS USED TO FIND TC & R FOR THIS BASIN
5901          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .997
5902          KM     L = 1.00  Kb = .061  Adj. Slope =   18.0
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5903          BA    .246
5904          LG    .180    .250   5.100    .340  56.000
5905          UC    .783    .628
5906          UA       0       5      16      30      65      77      84      90      94      97
5907          UA     100

5908          KK   14-22
5909          KM   SUB-BASIN 14-22
5910          KM   6-HOUR RAINFALL, PATTERN NO. 1.40 WAS USED TO FIND TC & R FOR THIS BASIN
5911          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .987
5912          KM     L = 1.32  Kb = .073  Adj. Slope =   13.0
5913          BA   1.000
5914          LG    .240    .250   5.000    .350  36.000
5915          UC   1.425    .685
5916          UA       0       5      16      30      65      77      84      90      94      97
5917          UA     100

5918          KK  SD31AS
5919          KM   RETRIEVAL OF STORM DRAIN DIVERSION
5920          KM   EXISTING STORM DRAIN ALONG 31ST AVENUE
5921          KM   CAP= 147 CFS SOUTH
5922          DR  SD31AS

5923          KK  CSD31B
5924          KM   SUB-BASIN COMBINE FOR STORM DRAIN DIVERSION
5925          HC       2

5926          KK  SD31B
5927          KM   STORM DRAIN DIVERSION
5928          KM   STORM DRAIN ALONG HALF MILE STREET
5929          KM   EXISTING STORM DRAIN ALONG 31ST AVENUE
5930          KM   DIVERSION SOUTH
5931          KM   CAP= 150 CFS SOUTH
5932          DT  SD31BS
5933          DI       0    150.  10150.
5934          DQ       0    150.    150.
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

5935          KK  D1422E
5936          KM   SUB-BASIN DIVERSION
5937          KM   SUB-BASIN 14-22
5938          KM   48% WEST & 52% EAST
5939          DT  D1422W
5940          DI       0  10000.
5941          DQ       0   4800.

5942          KK   CCB27
5943          KM   INTERSECTION COMBINE
5944          KM   CAMELBACK & 27TH
5945          HC       3   5.038

5946          KK   DCB27
5947          KM   STREET INTERSECTION DIVERSION
5948          KM   CAMELBACK & 27TH
5949          KM   0% West & 100% South
5950          KM   DIVERSION SOUTH
5951          KM   EXISTING STORM DRAIN ALONG 27TH AVENUE
5952          KM   CAP= 152 CFS SOUTH
5953          DT   D27CB
5954          DI       0  10000.
5955          DQ       0  10000.

5956          KK   D35BH
```


K/714PRINT

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5957          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
5958          KM   35TH & BETHANY HOME
5959          DR   D35BH

5960          KK   R35G
5961          KM   STREET ROUTE
5962          KM   SOUTH
5963          KM   35TH Avenue
5964          RS       5    FLOW     -1.
5965          RC    0.02   0.016    0.02   5260.  0.0042
5966          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
5967          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

5968          KK  D1422W
5969          KM   RETRIEVAL OF SUB-BASIN DIVERSION
5970          KM   SUB-BASIN 14-22
5971          DR  D1422W

5972          KK   15-22
5973          KM   SUB-BASIN 15-22
5974          KM   6-HOUR RAINFALL, PATTERN NO. 1.40 WAS USED TO FIND TC & R FOR THIS BASIN
5975          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .987
5976          KM     L = 1.54  Kb = .072  Adj. Slope =   15.0
5977          BA    .998
5978          LG    .240    .260   4.800    .350  34.000
5979          UC   1.492    .816
5980          UA       0       5      16      30      65      77      84      90      94      97
5981          UA     100
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


5982          KK  SD39AS
5983          KM   RETRIEVAL OF STORM DRAIN DIVERSION
5984          KM   EXISTING STORM DRAIN ALONG 39TH AVENUE
5985          KM   CAP= 164 CFS SOUTH
5986          DR  SD39AS

5987          KK  CSD39B
5988          KM   SUB-BASIN COMBINE FOR STORM DRAIN DIVERSION
5989          HC       2

5990          KK  SD39B
5991          KM   STORM DRAIN DIVERSION
5992          KM   STORM DRAIN ALONG HALF MILE STREET
5993          KM   EXISTING STORM DRAIN ALONG 39TH AVENUE
5994          KM   DIVERSION SOUTH
5995          KM   CAP= 268 CFS SOUTH
5996          DT  SD39BS
5997          DI       0    268.  10268.
5998          DQ       0    268.    268.

5999          KK  D1522E
6000          KM   SUB-BASIN DIVERSION
6001          KM   SUB-BASIN 15-22
6002          KM   49% WEST & 51% EAST
6003          DT  D1522W
6004          DI       0  10000.
6005          DQ       0   4900.

6006          KK   CCB35
6007          KM   INTERSECTION COMBINE
6008          KM   CAMELBACK & 35TH
6009          HC       4   9.140
```

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6010          KK   DCB35
6011          KM   STREET INTERSECTION DIVERSION
6012          KM   CAMELBACK & 35TH
6013          KM   0% West & 100% South
6014          KM   DIVERSION SOUTH
6015          KM   EXISTING STORM DRAIN ALONG 35TH AVENUE
6016          KM   CAP=  86 CFS SOUTH
6017          DT   D35CB
6018          DI       0  10000.
6019          DQ       0  10000.

6020          KK   D43BH
6021          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
6022          KM   43RD & BETHANY HOME
6023          DR   D43BH
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

6024          KK   R43H
6025          KM   STREET ROUTE
6026          KM   SOUTH
6027          KM   43RD Avenue
6028          RS       3    FLOW     -1.
6029          RC    0.02   0.016    0.02   2620.  0.0037
6030          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
6031          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

6032          KK  D1522W
6033          KM   RETRIEVAL OF SUB-BASIN DIVERSION
6034          KM   SUB-BASIN 15-22
6035          DR  D1522W

6036          KK   C43E
6037          KM   NORTH/SOUTH STREET COMBINE
6038          KM   43RD AVENUE
6039          HC       2   6.671

6040          KK   S43ES
6041          KM   STREET CAPACITY DIVERSION
6042          KM   43RD AVENUE
6043          KM   DIVERSION TO WEST
6044          KM   EXISTING STORM DRAIN ALONG 43RD AVENUE
6045          KM   CAP= 165 CFS SOUTH
6046          DT   S43EW
6047          DI       0    200.    233.   1311.   2131.
6048          DQ       0     0.1     24.    565.    975.

6049          KK   R43I
6050          KM   STREET ROUTE
6051          KM   SOUTH
6052          KM   43RD Avenue
6053          RS       3    FLOW     -1.
6054          RC    0.02   0.016    0.02   2600.  0.0028
6055          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
6056          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

6057          KK   D51BH
6058          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
6059          KM   51ST & BETHANY HOME
6060          DR   D51BH

6061          KK   RGR4
6062          KM   STREET ROUTE
6063          KM   SOUTHEAST
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IC/T4PRINT

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6064          KM   GRAND AVENUE
6065          KM   RW=  93'
6066          KM   PAV=  88'
6067          RS       7    FLOW     -1.
6068          RC    0.02   0.016    0.02   3690.  0.0010
6069          RX       0     0.1     2.5    12.5    80.5    90.5     93.    93.1
6070          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0
1                                          HEC-1 INPUT                                                    PAGE135

LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


6071          KK   SBH2S
6072          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
6073          KM   BETHANY HOME
6074          DR   SBH2S

6075          KK  R1622S
6076          KM   SUB-BASIN STREET ROUTE
6077          KM   SOUTH
6078          KM   RW= 120'
6079          KM   PAV= 78'
6080          RS       3    FLOW     -1.
6081          RC    0.02   0.016    0.02   2650.  0.0031
6082          RX       0     0.1    21.0    31.0    89.0    99.0    120.   120.1
6083          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

6084          KK  16-22E
6085          KM   SUB-BASIN 16-22E
6086          KM   6-HOUR RAINFALL, PATTERN NO. 1.01 WAS USED TO FIND TC & R FOR THIS BASIN
6087          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .993
6088          KM     L = 1.14  Kb = .065  Adj. Slope =   12.0
6089          BA    .513
6090          LG    .210    .260   4.900    .340  42.000
6091          UC   1.133    .691
6092          UA       0       5      16      30      65      77      84      90      94      97
6093          UA     100

6094          KK   S43EW
6095          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
6096          KM   43RD AVENUE
6097          DR   S43EW

6098          KK  R1622W
6099          KM   SUB-BASIN STREET ROUTE
6100          KM   WEST
6101          KM   RW= 120'
6102          KM   PAV= 78'
6103          RS       4    FLOW     -1.
6104          RC    0.02   0.016    0.02   2550.  0.0012
6105          RX       0     0.1    21.0    31.0    89.0    99.0    120.   120.1
6106          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

6107          KK  C1622E
6108          KM   SUB-BASIN COMBINE
6109          HC       4    11.6

6110          KK   RGR5
6111          KM   STREET ROUTE
6112          KM   SOUTHEAST
6113          KM   GRAND AVENUE
6114          KM   RW=  93'
6115          KM   PAV=  88'
6116          RS       5    FLOW     -1.
6117          RC    0.02   0.016    0.02   3620.  0.0016
6118          RX       0     0.1     2.5    12.5    80.5    90.5     93.    93.1
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

6119          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

6120          KK   CCB43
6121          KM   INTERSECTION COMBINE
6122          KM   CAMELBACK & 43RD
6123          HC       3    11.6

6124          KK   DCB43
6125          KM   STREET INTERSECTION DIVERSION
6126          KM   CAMELBACK & 43RD
6127          KM   0% West & 100% South
6128          KM   DIVERSION SOUTH
6129          KM   EXISTING STORM DRAIN ALONG 43RD AVENUE
6130          KM   CAP= 100 CFS SOUTH
6131          DT   D43CB
6132          DI       0  10000.
6133          DQ       0  10000.

6134          KK  16-22W
6135          KM   SUB-BASIN 16-22W
6136          KM   6-HOUR RAINFALL, PATTERN NO. 1.00 WAS USED TO FIND TC & R FOR THIS BASIN
6137          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .994
6138          KM     L =  .83  Kb = .024  Adj. Slope =   14.0
6139          BA    .479
6140          LG    .150    .250   5.000    .360  55.000
6141          UC    .392    .171
6142          UA       0       5      16      30      65      77      84      90      94      97
6143          UA     100

6144          KK  D1622S
6145          KM   SUB-BASIN DIVERSION
6146          KM   SUB-BASIN 16-22W
6147          KM   71% West & 29% South
6148          DT  D1622W
6149          DI       0  10000.
6150          DQ       0   7100.

6151          KK   CCB1
6152          KM   EAST/WEST STREET COMBINE
6153          KM   CAMELBACK
6154          HC       2    12.0

6155          KK   SCB1W
6156          KM   STREET CAPACITY DIVERSION
6157          KM   CAMELBACK
6158          KM   DIVERSION TO SOUTH
6159          DT   SCB1S
6160          DI       0     20.     43.    759.   1303.
6161          DQ       0     0.1     18.    424.    731.
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

6162          KK   RCB1
6163          KM   STREET ROUTE
6164          KM   WEST
6165          KM   CAMELBACK
6166          RS       7    FLOW     -1.
6167          RC    0.02   0.016    0.02   3540.  0.0010
6168          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
6169          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
```

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6170          KK  D1622W
6171          KM   RETRIEVAL OF SUB-BASIN DIVERSION
6172          KM   SUB-BASIN 16-22W
6173          DR  D1622W

6174          KK   S51FS
6175          KM   STREET CAPACITY DIVERSION
6176          KM   51ST AVENUE
6177          KM   DIVERSION TO WEST
6178          DT   S51FW
6179          DI       0     44.    100.   1329.   2268.
6180          DQ       0     0.1     38.    632.   1074.

6181          KK   R51J
6182          KM   STREET ROUTE
6183          KM   SOUTH
6184          KM   51ST Avenue
6185          RS       3    FLOW     -1.
6186          RC    0.02   0.016    0.02   2680.  0.0025
6187          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
6188          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

6189          KK   CCB51
6190          KM   INTERSECTION COMBINE
6191          KM   CAMELBACK & 51ST
6192          HC       2    12.0

6193          KK   DCB51
6194          KM   STREET INTERSECTION DIVERSION
6195          KM   CAMELBACK & 51ST
6196          KM   51% West & 49% South
6197          DT   D51CB
6198          DI       0  10000.
6199          DQ       0   4900.

6200          KK   RCB2
6201          KM   STREET ROUTE
6202          KM   WEST
6203          KM   CAMELBACK
6204          RS       3    FLOW     -1.
6205          RC    0.02   0.016    0.02   2430.  0.0026
6206          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
6207          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
1                                          HEC-1 INPUT                                    PAGE138

LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


6208          KK   SBH3S
6209          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
6210          KM   BETHANY HOME
6211          DR   SBH3S

6212          KK  R1722S
6213          KM   SUB-BASIN STREET ROUTE
6214          KM   SOUTH
6215          KM   RW= 120'
6216          KM   PAV= 78'
6217          RS       6    FLOW     -1.
6218          RC    0.02   0.016    0.02   5370.  0.0031
6219          RX       0     0.1    21.0    31.0    89.0    99.0    120.   120.1
6220          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

6221          KK   17-22
6222          KM   SUB-BASIN 17-22
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6223          KM   6-HOUR RAINFALL, PATTERN NO. 1.41 WAS USED TO FIND TC & R FOR THIS BASIN
6224          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .987
6225          KM     L = 1.32  Kb = .039  Adj. Slope =   19.0
6226          BA   1.016
6227          LG    .200    .260   5.100    .330  46.000
6228          UC    .721    .318
6229          UA      0       5      16      30      65      77      84      90      94      97
6230          UA    100

6231          KK   S51FW
6232          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
6233          KM   51ST
6234          DR   S51FW

6235          KK  R1722W
6236          KM   SUB-BASIN STREET ROUTE
6237          KM   WEST
6238          KM   RW= 120'
6239          KM   PAV= 78'
6240          RS       7    FLOW     -1.
6241          RC    0.02   0.016    0.02   5300.  0.0022
6242          RX       0     0.1    21.0    31.0    89.0    99.0    120.   120.1
6243          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

6244          KK  C17-22
6245          KM   SUB-BASIN COMBINE
6246          HC       3    16.1

6247          KK  D1722S
6248          KM   SUB-BASIN DIVERSION
6249          KM   SUB-BASIN 17-22
6250          KM   29% West & 71% South
6251          DT  D1722W
6252          DI       0  10000.
6253          DQ       0   2900.
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

6254          KK   CCB2
6255          KM   EAST/WEST STREET COMBINE
6256          KM   CAMELBACK
6257          HC       2    18.1

6258          KK   SCB2W
6259          KM   STREET CAPACITY DIVERSION
6260          KM   CAMELBACK
6261          KM   DIVERSION TO SOUTH
6262          DT   SCB2S
6263          DI       0     28.     74.   1361.   2339.
6264          DQ       0     0.1     38.    883.   1523.

6265          KK   RCB3
6266          KM   STREET ROUTE
6267          KM   WEST
6268          KM   CAMELBACK
6269          RS       4    FLOW     -1.
6270          RC    0.02   0.016    0.02   2980.  0.0019
6271          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
6272          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

6273          KK   D59BH
6274          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
6275          KM   59TH & BETHANY HOME
6276          DR   D59BH
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6277        KK   R59J
6278        KM   STREET ROUTE
6279        KM   SOUTH
6280        KM   59TH Avenue
6281        RS       3    FLOW     -1.
6282        RC    0.02   0.016    0.02   2660.  0.0034
6283        RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
6284        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

6285        KK  D1722W
6286        KM   RETRIEVAL OF SUB-BASIN DIVERSION
6287        KM   SUB-BASIN 17-22
6288        DR  D1722W

6289        KK   C59E
6290        KM   NORTH/SOUTH STREET COMBINE
6291        KM   59TH AVENUE
6292        HC       2    16.1

6293        KK   S59FS
6294        KM   STREET CAPACITY DIVERSION
6295        KM   59TH
6296        KM   DIVERSION TO WEST
6297        DT   S59FW
6298        DI       0     44.    122.   1699.   2898.
6299        DQ       0     0.1     60.   1004.   1705.
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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

6300        KK   R59K
6301        KM   STREET ROUTE
6302        KM   SOUTH
6303        KM   59TH Avenue
6304        RS       3    FLOW     -1.
6305        RC    0.02   0.016    0.02   2670.  0.0026
6306        RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
6307        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

6308        KK   CCB59
6309        KM   INTERSECTION COMBINE
6310        KM   CAMELBACK & 59TH
6311        HC       2    18.1

6312        KK   DCB59
6313        KM   STREET INTERSECTION DIVERSION
6314        KM   CAMELBACK & 59TH
6315        KM   48% West & 52% South
6316        KM   DIVERSION SOUTH
6317        KM   STORM DRAIN ALONG 59TH AVE
6318        KM   CAP=  14.0 CFS SOUTH
6319        DT   D59CB
6320        DI       0     14.  10014.
6321        DQ       0     14.   5214.

6322        KK   RCB4
6323        KM   STREET ROUTE
6324        KM   WEST
6325        KM   CAMELBACK
6326        RS       3    FLOW     -1.
6327        RC    0.02   0.016    0.02   2640.  0.0029
6328        RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
6329        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
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6330          KK   SBH4S
6331          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
6332          KM   BETHANY HOME
6333          DR   SBH4S

6334          KK  R1822S
6335          KM   SUB-BASIN STREET ROUTE
6336          KM   SOUTH
6337          KM   RW= 120'
6338          KM   PAV= 78'
6339          RS      6    FLOW     -1.
6340          RC   0.02   0.016    0.02   5440.  0.0027
6341          RX      0     0.1    21.0    31.0    89.0    99.0    120.   120.1
6342          RY    4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

6343          KK   18-22
6344          KM   SUB-BASIN 18-22
6345          KM   6-HOUR RAINFALL, PATTERN NO. 1.38 WAS USED TO FIND TC & R FOR THIS BASIN
6346          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .987
6347          KM     L = 1.40  Kb = .076  Adj. Slope =   15.0
6348          BA    .969
6349          LG    .240    .150   7.600    .120  34.000
6350          UC   1.296    .657
6351          UA       0       5      16      30      65      77      84      90      94      97
6352          UA     100

6353          KK   S59FW
6354          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
6355          KM   59TH
6356          DR   S59FW

6357          KK  R1822W
6358          KM   SUB-BASIN STREET ROUTE
6359          KM   WEST
6360          KM   RW= 120'
6361          KM   PAV= 78'
6362          RS      6    FLOW     -1.
6363          RC   0.02   0.016    0.02   5200.  0.0024
6364          RX      0     0.1    21.0    31.0    89.0    99.0    120.   120.1
6365          RY    4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

6366          KK  C18-22
6367          KM   SUB-BASIN COMBINE
6368          HC      3    23.8

6369          KK  D1822S
6370          KM   SUB-BASIN DIVERSION
6371          KM   SUB-BASIN 18-22
6372          KM   44% West & 56% South
6373          DT  D1822W
6374          DI      0  10000.
6375          DQ      0   4400.

6376          KK   CCB3
6377          KM   EAST/WEST STREET COMBINE
6378          KM   CAMELBACK
6379          HC      2    25.3

6380          KK   SCB3W
6381          KM   STREET CAPACITY DIVERSION
6382          KM   CAMELBACK
6383          KM   DIVERSION TO SOUTH
```

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6384          DT   SCB3S
6385          DI       0     31.     87.   1451.   2475.
6386          DQ       0     0.1     48.    818.   1389.
1                                          HEC-1 INPUT                                                    PAGE142

LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


6387          KK   RCB5
6388          KM   STREET ROUTE
6389          KM   WEST
6390          KM   CAMELBACK
6391          RS       3    FLOW     -1.
6392          RC    0.02   0.016    0.02   2520.  0.0021
6393          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
6394          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

6395          KK   D67BH
6396          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
6397          KM   67TH & BETHANY HOME
6398          DR   D67BH

6399          KK   R67L
6400          KM   STREET ROUTE
6401          KM   SOUTH
6402          KM   67TH Avenue
6403          RS       3    FLOW     -1.
6404          RC    0.02   0.016    0.02   2650.  0.0025
6405          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
6406          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

6407          KK  D1822W
6408          KM   RETRIEVAL OF SUB-BASIN DIVERSION
6409          KM   SUB-BASIN 18-22
6410          DR  D1822W

6411          KK   C67F
6412          KM   NORTH/SOUTH STREET COMBINE
6413          KM   67TH AVENUE
6414          HC       2  37.078

6415          KK   S67GS
6416          KM   STREET CAPACITY DIVERSION
6417          KM   67TH
6418          KM   DIVERSION TO WEST
6419          DT   S67GW
6420          DI       0     41.    118.   1650.   2814.
6421          DQ       0     0.1     60.   1004.   1705.

6422          KK   R67M
6423          KM   STREET ROUTE
6424          KM   SOUTH
6425          KM   67TH Avenue
6426          RS       3    FLOW     -1.
6427          RC    0.02   0.016    0.02   2660.  0.0027
6428          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
6429          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
1                                          HEC-1 INPUT                                                    PAGE143

LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


6430          KK   CCB67
6431          KM   INTERSECTION COMBINE
6432          KM   CAMELBACK & 67TH
6433          HC       2    25.3
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6434          KK   DCB67
6435          KM   STREET INTERSECTION DIVERSION
6436          KM   CAMELBACK & 67TH
6437          KM   54% West & 46% South
6438          DT   D67CB
6439          DI       0  10000.
6440          DQ       0   4600.

6441          KK    RCB6
6442          KM   STREET ROUTE
6443          KM   WEST
6444          KM   CAMEL BACK
6445          RS       3    FLOW     -1.
6446          RC    0.02   0.016    0.02   2470.  0.0029
6447          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
6448          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

6449          KK   SBH5S
6450          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
6451          KM   BETHANY HOME
6452          DR   SBH5S

6453          KK  R1321S
6454          KM   SUB-BASIN STREET ROUTE
6455          KM   SOUTH
6456          KM   RW= 220'
6457          KM   PAV= 148'
6458          RS       7    FLOW     -1.
6459          RC    0.02   0.016    0.02   5630.  0.0020
6460          RX       0     0.1    36.0    46.0   174.0   184.0    220.   220.1
6461          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

6462          KK   13-21
6463          KM   SUB-BASIN 13-21
6464          KM   6-HOUR RAINFALL, PATTERN NO. 1.40 WAS USED TO FIND TC & R FOR THIS BASIN
6465          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .987
6466          KM     L = 1.32  Kb = .073  Adj. Slope =   18.0
6467          BA   1.003
6468          LG    .270    .170   7.300    .130  26.000
6469          UC   1.138    .532
6470          UA       0       5      16      30      65      77      84      90      94      97
6471          UA     100

6472          KK   S67GW
6473          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
6474          KM   67TH
6475          DR   S67GW
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

6476          KK  R1321W
6477          KM   SUB-BASIN STREET ROUTE
6478          KM   WEST
6479          KM   RW= 270'
6480          KM   PAV= 183'
6481          RS       5    FLOW     -1.
6482          RC    0.02   0.016    0.02   5320.  0.0032
6483          RX       0     0.1    43.5    53.5   216.5   226.5    270.   270.1
6484          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

6485          KK  C13-21
6486          KM   SUB-BASIN COMBINE
6487          HC       3  37.078
```


KC14PRINT

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6488          KK  D1321S
6489          KM   SUB-BASIN DIVERSION
6490          KM   SUB-BASIN 13-21
6491          KM   35% West & 65% South
6492          DT  D1321W
6493          DI       0  10000.
6494          DQ       0   3500.

6495          KK    CCB4
6496          KM   EAST/WEST STREET COMBINE
6497          HC       2  37.078

6498          KK   SCB4W
6499          KM   STREET CAPACITY DIVERSION
6500          KM   CAMELBACK
6501          KM   DIVERSION TO SOUTH
6502          DT   SCB4S
6503          DI       0     30.     87.   1446.   2467.
6504          DQ       0     0.1     49.    818.   1389.

6505          KK    RCB7
6506          KM   STREET ROUTE
6507          KM   WEST
6508          KM   CAMELBACK
6509          RS       4    FLOW     -1.
6510          RC    0.02   0.016    0.02   2810.  0.0021
6511          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
6512          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

6513          KK   D75BH
6514          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
6515          KM   75TH & BETHANY HOME
6516          DR   D75BH

6517          KK    R75M
6518          KM   STREET ROUTE
6519          KM   SOUTH
6520          KM   75TH Avenue
6521          RS       4    FLOW     -1.
6522          RC    0.02   0.016    0.02   2620.  0.0013
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

6523          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
6524          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

6525          KK  D1321W
6526          KM   RETRIEVAL OF SUB-BASIN DIVERSION
6527          KM   SUB-BASIN 13-21
6528          DR  D1321W

6529          KK    C75F
6530          KM   NORTH/SOUTH STREET COMBINE
6531          KM   75TH AVENUE
6532          HC       2  40.904

6533          KK   S75HS
6534          KM   STREET CAPACITY DIVERSION
6535          KM   75TH
6536          KM   DIVERSION TO WEST
6537          DT   S75HW
6538          DI       0  10000.
6539          DQ       0  10000.
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6540          KK    R75N
6541          KM   STREET ROUTE
6542          KM   SOUTH
6543          KM   75TH Avenue
6544          RS       4    FLOW     -1.
6545          RC    0.02   0.016    0.02   2650.  0.0014
6546          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
6547          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

6548          KK   CCB75
6549          KM   INTERSECTION COMBINE
6550          KM   CAMELBACK & 75TH
6551          HC       2  37.078

6552          KK   DCB75
6553          KM   STREET INTERSECTION DIVERSION
6554          KM   CAMELBACK & 75TH
6555          KM   35% West & 65% South
6556          DT   D75CB
6557          DI       0  10000.
6558          DQ       0   6500.

6559          KK    RCB8
6560          KM   STREET ROUTE
6561          KM   WEST
6562          KM   CAMELBACK
6563          RS       2    FLOW     -1.
6564          RC    0.02   0.016    0.02   2510.  0.0042
6565          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
6566          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

6567          KK   SBH6S
6568          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
6569          KM   BETHANY HOME
6570          DR   SBH6S

6571          KK  R1421S
6572          KM   SUB-BASIN STREET ROUTE
6573          KM   SOUTH
6574          KM   RW= 50'
6575          KM   PAV= 35'
6576          RS       4    FLOW     -1.
6577          RC    0.02   0.016    0.02   3400.  0.0025
6578          RX       0     0.1     7.5    17.5    32.5    42.5     50.    50.1
6579          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

6580          KK   S75HW
6581          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
6582          KM   75TH
6583          DR   S75HW

6584          KK  R1421W
6585          KM   SUB-BASIN STREET ROUTE
6586          KM   WEST
6587          KM   RW= 50'
6588          KM   PAV= 35'
6589          RS       6    FLOW     -1.
6590          RC    0.02   0.016    0.02   5360.  0.0026
6591          RX       0     0.1     7.5    17.5    32.5    42.5     50.    50.1
6592          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

6593          KK  14-21E
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6594          KM   SUB-BASIN 14-21E
6595          KM   6-HOUR RAINFALL, PATTERN NO. 1.00 WAS USED TO FIND TC & R FOR THIS BASIN
6596          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .994
6597          KM     L =  .99  Kb = .072  Adj. Slope =   18.0
6598          BA    .432
6599          LG    .380    .170   8.800    .080   6.000
6600          UC    .887    .519
6601          UA       0       5      16      30      65      77      84      90      94      97
6602          UA     100

6603          KK  RET14E
6604          KM   RETENTION BASIN DIVERSION
6605          KM   SUB-BASIN 14-21E
6606          KM   32% OF SUB-BASIN DRAINS TO RETENTION BASIN
6607          DT  D1421R    3.02
6608          DI       0  10000.
6609          DQ       0   3200.
1                                          HEC-1 INPUT                                          PAGE147

LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


6610          KK  C1421E
6611          KM   SUB-BASIN COMBINE
6612          HC       3  41.033

6613          KK  D1421E
6614          KM    SPECIAL CASE
6615          KM    DIVERT FLOW WEST OVER THE GRAND CANAL
6616          DT  D1421X
6617          DI      0.     37.    996.   5440.
6618          DQ      0.     0.1    216.   1890.

6619          KK  14-21W
6620          KM   SUB-BASIN 14-21W
6621          KM   6-HOUR RAINFALL, PATTERN NO. 1.07 WAS USED TO FIND TC & R FOR THIS BASIN
6622          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .993
6623          KM     L =  .53  Kb = .073  Adj. Slope =    7.0
6624          BA    .562
6625          LG    .310    .170   8.400    .090  17.000
6626          UC    .863    .262
6627          UA       0       5      16      30      65      77      84      90      94      97
6628          UA     100

6629          KK  RET14W
6630          KM   RETENTION BASIN DIVERSION
6631          KM   SUB-BASIN 14-21W
6632          KM   40% OF SUB-BASIN DRAINS TO RETENTION BASIN
6633          DT  D1421P    3.70
6634          DI       0  10000.
6635          DQ       0   4000.

6636          KK  C1421W
6637          KM   SUB-BASIN COMBINE
6638          HC       2   41.59

6639          KK  D1421S
6640          KM   SUB-BASIN DIVERSION
6641          KM   SUB-BASIN 14-21W
6642          KM   50% West & 50% South
6643          DT  D1421W
6644          DI       0  10000.
6645          DQ       0   5000.

6646          KK    CCB5
6647          KM   EAST/WEST STREET COMBINE
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6648          KM   CAMELBACK
6649          HC       2  41.594

6650          KK   SCB5W
6651          KM   STREET CAPACITY DIVERSION
6652          KM   CAMELBACK
6653          KM   DIVERSION TO SOUTH
6654          DT   SCB5S
6655          DI       0     37.     79.   1367.   2346.
6656          DQ       0     0.1     32.    741.   1279.
1                                          HEC-1 INPUT                                                    PAGE148

LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


6657          KK    RCB9
6658          KM   STREET ROUTE
6659          KM   WEST
6660          KM   CAMELBACK
6661          RS       3    FLOW     -1.
6662          RC    0.02   0.016    0.02   2770.  0.0033
6663          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
6664          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

6665          KK  D1421X
6666          KM   RETRIEVAL OF SUB-BASIN DIVERSION
6667          KM   SUB-BASIN 14-21E
6668          DR  D1421X

6669          KK  RES14E
6670          KM   PONDING AREA RESERVOIR ROUTE
6671          KM   PONDING AREA NORTHEAST OF GRAND CANAL EMBANKMENT
6672          KM   SUB-BASIN 14-21E
6673          RS       1    ELEV   1086.
6674          SV       0   11.05   19.61   30.20    58.2
6675          SE   1086.   1087.  1087.5   1088.   1089.
6676          SQ      0.     0.1     0.2    553.   6234.

6677          KK   D83BH
6678          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
6679          KM   83RD & BETHANY HOME
6680          DR   D83BH

6681          KK    R83L
6682          KM   STREET ROUTE
6683          KM   SOUTH
6684          KM   83RD Avenue
6685          RS       4    FLOW     -1.
6686          RC    0.02   0.016    0.02   2730.  0.0015
6687          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
6688          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

6689          KK  D1421W
6690          KM   RETRIEVAL OF SUB-BASIN DIVERSION
6691          KM   SUB-BASIN 14-21W
6692          DR  D1421W

6693          KK    C83F
6694          KM   NORTH/SOUTH STREET COMBINE
6695          KM   83RD AVENUE
6696          HC       3  41.594

6697          KK   S83GS
6698          KM   STREET CAPACITY DIVERSION
6699          KM   83RD AVENUE
6700          KM   DIVERSION TO WEST
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6701          DT   S83GW
6702          DI       0     25.     46.    769.   1314.
6703          DQ       0    0.1     16.    260.    442.
1                                         HEC-1 INPUT                                                    PAGE149

LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


6704          KK    R83M
6705          KM   STREET ROUTE
6706          KM   SOUTH
6707          KM   83RD Avenue
6708          RS       4    FLOW     -1.
6709          RC    0.02   0.016    0.02   2630.  0.0017
6710          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
6711          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

6712          KK   CCB83
6713          KM   INTERSECTION COMBINE
6714          KM   CAMELBACK & 83RD
6715          HC       2  41.594

6716          KK   DCB83
6717          KM   STREET INTERSECTION DIVERSION
6718          KM   CAMELBACK & 83RD
6719          KM   64% West & 36% South
6720          DT   D83CB
6721          DI       0  10000.
6722          DQ       0   3600.

6723          KK   RCB10
6724          KM   STREET ROUTE
6725          KM   WEST
6726          KM   CAMELBACK
6727          RS       2    FLOW     -1.
6728          RC    0.02   0.016    0.02   2650.  0.0045
6729          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
6730          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

6731          KK   SBH7S
6732          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
6733          KM   BETHANY HOME
6734          DR   SBH7S

6735          KK  R1521S
6736          KM   SUB-BASIN STREET ROUTE
6737          KM   SOUTH
6738          KM   RW= 50'
6739          KM   PAV= 35'
6740          RS       7    FLOW     -1.
6741          RC    0.02   0.016    0.02   5220.  0.0020
6742          RX       0     0.1     7.5    17.5    32.5    42.5     50.    50.1
6743          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

6744          KK   15-21
6745          KM   SUB-BASIN 15-21
6746          KM   6-HOUR RAINFALL, PATTERN NO. 1.41 WAS USED TO FIND TC & R FOR THIS BASIN
6747          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .987
6748          KM     L = 1.48  Kb = .071  Adj. Slope =   15.0
6749          BA   1.011
6750          LG    .410    .160   9.700    .070   6.000
6751          UC   1.350    .702
1                                         HEC-1 INPUT                                                    PAGE150

LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10
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6752    UA      0      5     16     30     65     77     84     90     94     97
6753    UA    100

6754    KK   RET15
6755    KM   RETENTION BASIN DIVERSION
6756    KM   SUB-BASIN 15-21
6757    KM   12% OF SUB-BASIN DRAINS TO RETENTION BASIN
6758    DT     D15    5.90
6759    DI       0  10000.
6760    DQ       0   1200.

6761    KK   S83GW
6762    KM   RETRIEVAL OF STREET CAPACITY DIVERSION
6763    KM   83RD
6764    DR   S83GW

6765    KK  R1521W
6766    KM   SUB-BASIN STREET ROUTE
6767    KM   WEST
6768    KM   RW= 70'
6769    KM   PAV= 43'
6770    RS       5    FLOW     -1.
6771    RC    0.02   0.016    0.02   5280.  0.0040
6772    RX       0     0.1    13.5    23.5    46.5    56.5     70.    70.1
6773    RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

6774    KK  C15-21
6775    KM   SUB-BASIN COMBINE
6776    HC       3  48.800

6777    KK  D1521S
6778    KM   SUB-BASIN DIVERSION
6779    KM   SUB-BASIN 15-21
6780    KM   35% West & 65% South
6781    DT  D1521W
6782    DI       0  10000.
6783    DQ       0   3500.

6784    KK    CCB6
6785    KM   EAST/WEST STREET COMBINE
6786    HC       2  48.800

6787    KK   SCB6W
6788    KM   STREET CAPACITY DIVERSION
6789    KM   CAMELBACK
6790    KM   DIVERSION TO SOUTH
6791    DT   SCB6S
6792    DI       0     37.     62.   1002.   1716.
6793    DQ       0     0.1     17.    388.    670.
1                                   HEC-1 INPUT                                    PAGE151

LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


6794    KK   RCB11
6795    KM   STREET ROUTE
6796    KM   WEST
6797    KM   CAMELBACK
6798    RS       3    FLOW     -1.
6799    RC    0.02   0.016    0.02   2650.  0.0028
6800    RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
6801    RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

6802    KK   D91BH
6803    KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
6804    KM   91ST & BETHANY HOME
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6805          DR   D91BH

6806          KK  D1521W
6807          KM   RETRIEVAL OF SUB-BASIN DIVERSION
6808          KM   SUB-BASIN 15-21
6809          DR  D1521W

6810          KK    C91E
6811          KM   NORTH/SOUTH STREET COMBINE
6812          KM   91ST AVENUE
6813          HC       2  48.800

6814          KK   S91ES
6815          KM   STREET CAPACITY DIVERSION
6816          KM   91ST
6817          KM   DIVERSION TO WEST
6818          DT   S91EW
6819          DI       0     47.     84.   1359.   2329.
6820          DQ       0     0.1     24.    565.    975.

6821          KK    R91J
6822          KM   STREET ROUTE
6823          KM   SOUTH
6824          KM   91ST Avenue
6825          RS       5    FLOW     -1.
6826          RC    0.02   0.016    0.02   2640.  0.0010
6827          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
6828          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

6829          KK   CCB91
6830          KM   INTERSECTION COMBINE
6831          KM   CAMLEBACK & 91ST
6832          HC       2  48.800

6833          KK   DCB91
6834          KM   STREET INTERSECTION DIVERSION
6835          KM   CAMELBACK & 91ST
6836          KM   43% West & 57% South
6837          DT   D91CB
6838          DI       0  10000.
6839          DQ       0   5700.
```



```
LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

6840          KK   RCB12
6841          KM   STREET ROUTE
6842          KM   WEST
6843          KM   CAMELBACK
6844          RS       3    FLOW     -1.
6845          RC    0.02   0.016    0.02   2730.  0.0031
6846          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
6847          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

6848          KK   SBH8S
6849          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
6850          KM   BETHANY HOME
6851          DR   SBH8S

6852          KK  R1621S
6853          KM   SUB-BASIN STREET ROUTE
6854          KM   SOUTH
6855          KM   RW= 50'
6856          KM   PAV= 35'
6857          RS       6    FLOW     -1.
```

```
6858    RC    0.02   0.016    0.02   5260.  0.0025
6859    RX       0     0.1     7.5    17.5    32.5    42.5     50.    50.1
6860    RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

6861    KK   16-21
6862    KM   SUB-BASIN 16-21
6863    KM   6-HOUR RAINFALL, PATTERN NO. 1.41 WAS USED TO FIND TC & R FOR THIS BASIN
6864    KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .987
6865    KM     L = 1.35  Kb = .078  Adj. Slope =   12.0
6866    BA   1.022
6867    LG    .460    .150   8.800    .090   4.000
6868    UC   1.500    .729
6869    UA       0       5      16      30      65      77      84      90      94      97
6870    UA     100

6871    KK   S91EW
6872    KM   RETRIEVAL OF STREET CAPACITY DIVERSION
6873    KM   91ST
6874    DR   S91EW

6875    KK  R1621W
6876    KM   SUB-BASIN STREET ROUTE
6877    KM   WEST
6878    KM   RW= 170'
6879    KM   PAV= 113'
6880    RS       7    FLOW     -1.
6881    RC    0.02   0.016    0.02   5300.  0.0022
6882    RX       0     0.1    28.5    38.5   131.5   141.5    170.   170.1
6883    RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0
```



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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

6884    KK  C16-21
6885    KM   SUB-BASIN COMBINE
6886    HC       3  50.641

6887    KK  D1621S
6888    KM   SUB-BASIN DIVERSION
6889    KM   SUB-BASIN 16-21
6890    KM   40% West & 60% South
6891    DT  D1621W
6892    DI       0  10000.
6893    DQ       0   4000.

6894    KK    CCB7
6895    KM   EAST/WEST STREET COMBINE
6896    HC       2  50.641

6897    KK   SCB7W
6898    KM   STREET CAPACITY DIVERSION
6899    KM   CAMELBACK
6900    KM   DIVERSION TO SOUTH
6901    DT   SCB7S
6902    DI       0     32.     47.    709.   1213.
6903    DQ       0     0.1      8.    177.    305.

6904    KK   RCB13
6905    KM   STREET ROUTE
6906    KM   WEST
6907    KM   CAMELBACK
6908    RS       3    FLOW     -1.
6909    RC    0.02   0.016    0.02   2640.  0.0023
6910    RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
6911    RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
```

```
6912          KK   D99BH
6913          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
6914          KM   99TH & BETHANY HOME
6915          DR   D99BH

6916          KK  D1621W
6917          KM   RETRIEVAL OF SUB-BASIN DIVERSION
6918          KM   SUB-BASIN 16-21
6919          DR  D1621W

6920          KK    C99B
6921          KM   NORTH/SOUTH STREET COMBINE
6922          KM   99TH AVENUE
6923          HC       2  50.641

6924          KK   S99BS
6925          KM   STREET CAPACITY DIVERSION
6926          KM   99TH
6927          KM   DIVERSION TO WEST
6928          DT   S99BW
6929          DI       0     36.     60.   1002.   1714.
1                                          HEC-1 INPUT                                                    PAGE154

LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

6930          DQ       0     0.1     16.    260.    442.

6931          KK    R99E
6932          KM   STREET ROUTE
6933          KM   SOUTH
6934          KM   99TH Avenue
6935          RS       3    FLOW     -1.
6936          RC    0.02   0.016    0.02   2620.  0.0026
6937          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
6938          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

6939          KK   CCB99
6940          KM   INTERSECTION COMBINE
6941          KM   CAMELBACK & 99TH
6942          HC       2  50.641

6943          KK   DCB99
6944          KM   STREET INTERSECTION DIVERSION
6945          KM   CAMELBACK & 99TH
6946          KM   66% West & 34% South
6947          DT   D99CB
6948          DI       0  10000.
6949          DQ       0   3400.

6950          KK   RCB14
6951          KM   STREET ROUTE
6952          KM   WEST
6953          KM   CAMELBACK
6954          RS       4    FLOW     -1.
6955          RC    0.02   0.016    0.02   2640.  0.0016
6956          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
6957          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

6958          KK  17-21E
6959          KM   SUB-BASIN 17-21E
6960          KM   6-HOUR RAINFALL, PATTERN NO. 1.19 WAS USED TO FIND TC & R FOR THIS BASIN
6961          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .991
6962          KM     L = 1.68  Kb = .079  Adj. Slope =   12.0
6963          BA    .699
6964          LG    .450    .160   7.300    .160   3.000
```

```
6965        UC   1.500   1.078
6966        UA       0       5      16      30      65      77      84      90      94      97
6967        UA     100

6968        KK   S99BW
6969        KM   RETRIEVAL OF STREET CAPACITY DIVERSION
6970        KM   99TH
6971        DR   S99BW

6972        KK  R1721W
6973        KM   SUB-BASIN STREET ROUTE
6974        KM   WEST
6975        KM   RW= 50'
6976        KM   PAV= 35'
6977        RS       8    FLOW     -1.
```



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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

6978        RC    0.02   0.016    0.02   6515.  0.0024
6979        RX       0     0.1     7.5    17.5    32.5    42.5     50.    50.1
6980        RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

6981        KK  C1721E
6982        KM   SUB-BASIN COMBINE
6983        HC       2  51.340

6984        KK  D1721S
6985        KM   SUB-BASIN DIVERSION
6986        KM   SUB-BASIN 17-21E
6987        KM   21% West & 79% South
6988        DT  D1721W
6989        DI       0  10000.
6990        DQ       0   2100.

6991        KK    CCB8
6992        KM   EAST/WEST STREET COMBINE
6993        HC       2  51.340

6994        KK   SCB8W
6995        KM   STREET CAPACITY DIVERSION
6996        KM   CAMELBACK
6997        KM   DIVERSION TO SOUTH
6998        DT   SCB8S
6999        DI       0     23.     44.    730.   1247.
7000        DQ       0     0.1     16.    260.    442.

7001        KK   RCB15
7002        KM   STREET ROUTE
7003        KM   WEST
7004        KM   CAMELBACK
7005        RS       5    FLOW     -1.
7006        RC    0.02   0.016    0.02   2630.  0.0011
7007        RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
7008        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

7009        KK  D1721W
7010        KM   RETRIEVAL OF SUB-BASIN DIVERSION
7011        KM   SUB-BASIN 17-21E
7012        DR  D1721W

7013        KK  CCB107
7014        KM   INTERSECTION COMBINE
7015        KM   CAMELBACK & 107TH
7016        HC       2  51.646
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7017          KK  DCB107
7018          KM   STREET INTERSECTION DIVERSION
7019          KM   CAMELBACK & 107TH
7020          KM   55% West & 45% South
7021          DT  D107CB
7022          DI       0  10000.
7023          DQ       0   4500.
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

7024          KK  17-21W
7025          KM   SUB-BASIN 17-21W
7026          KM   6-HOUR RAINFALL, PATTERN NO. 1.00 WAS USED TO FIND TC & R FOR THIS BASIN
7027          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .996
7028          KM     L = 1.11  Kb = .093  Adj. Slope =   15.0
7029          BA    .306
7030          LG    .440    .250   5.800    .280   4.000
7031          UC   1.500   1.239
7032          UA       0       5      16      30      65      77      84      90      94      97
7033          UA     100

7034          KK  R1821W
7035          KM   SUB-BASIN STREET ROUTE
7036          KM   WEST
7037          KM   RW= 100'
7038          KM   PAV= 70'
7039          RS      10    FLOW     -1.
7040          RC    0.02   0.016    0.02   8950.  0.0027
7041          RX       0     0.1    15.0    25.0    75.0    85.0    100.   100.1
7042          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

7043          KK   18-21
7044          KM   SUB-BASIN 18-21
7045          KM   6-HOUR RAINFALL, PATTERN NO. 1.05 WAS USED TO FIND TC & R FOR THIS BASIN
7046          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .993
7047          KM     L = 1.22  Kb = .083  Adj. Slope =   10.0
7048          BA    .542
7049          LG    .480    .250   5.600    .320   1.000
7050          UC   1.500    .965
7051          UA       0       5      16      30      65      77      84      90      94      97
7052          UA     100

7053          KK  C18-21
7054          KM   SUB-BASIN COMBINE
7055          HC       3  52.189

7056          KK   NULL6
7057          KM   NULL COMBINE AT END OF CAMELBACK ROAD COMPUTATIONAL PATH
7058          HC       2     1.
              *
              * INDIAN SCHOOL COMPUTATION PATH
              *

7059          KK   23-22
7060          KM   SUB-BASIN 23-22
7061          KM   6-HOUR RAINFALL, PATTERN NO. 1.40 WAS USED TO FIND TC & R FOR THIS BASIN
7062          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .987
7063          KM     L = 1.41  Kb = .076  Adj. Slope =   13.0
7064          BA    .989
7065          LG    .240    .150   7.600    .120  32.000
7066          UC   1.400    .712
7067          UA       0       5      16      30      65      77      84      90      94      97
7068          UA     100
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

7069          KK  SD31BS
7070          KM   RETRIEVAL OF STORM DRAIN DIVERSION
7071          KM   EXISTING STORM DRAIN ALONG 31ST AVENUE
7072          KM   CAP= 150 CFS SOUTH
7073          DR  SD31BS

7074          KK  CSD31C
7075          KM   SUB-BASIN COMBINE FOR STORM DRAIN DIVERSION
7076          HC       2

7077          KK  SD31C
7078          KM   STORM DRAIN DIVERSION
7079          KM   STORM DRAIN ALONG HALF MILE STREET
7080          KM   EXISTING STORM DRAIN ALONG 31ST AVENUE
7081          KM   DIVERSION SOUTH
7082          KM   CAP= 251 CFS SOUTH
7083          DT  SD31CS
7084          DI       0    251.  10251.
7085          DQ       0    251.    251.

7086          KK  D2322E
7087          KM   SUB-BASIN DIVERSION
7088          KM   SUB-BASIN 23-22
7089          KM   59% WEST & 41% EAST
7090          DT  D2322W
7091          DI       0  10000.
7092          DQ       0   5900.

7093          KK   D27CB
7094          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
7095          KM   27TH & CAMELBACK
7096          DR   D27CB

7097          KK   R27E
7098          KM   STREET ROUTE
7099          KM   SOUTH
7100          KM   27TH Avenue
7101          RS       5    FLOW     -1.
7102          RC    0.02   0.016    0.02   5250.  0.0040
7103          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
7104          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

7105          KK   24-22
7106          KM   SUB-BASIN 24-22
7107          KM   6-HOUR RAINFALL, PATTERN NO. 1.00 WAS USED TO FIND TC & R FOR THIS BASIN
7108          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .997
7109          KM     L = 1.00  Kb = .047  Adj. Slope =   18.0
7110          BA    .225
7111          LG    .150    .160   7.600    .120  65.000
7112          UC    .617    .506
7113          UA       0       5      16      30      65      77      84      90      94      97
7114          UA     100
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

7115          KK   CIS27
7116          KM   INTERSECTION COMBINE
7117          KM   INDIAN SCHOOL & 27TH
7118          HC       3   6.253
```

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7119          KK   DIS27
7120          KM   STREET INTERSECTION DIVERSION
7121          KM   INDIAN SCHOOL & 27TH
7122          KM   0% West & 100% South
7123          KM   DIVERSION SOUTH
7124          KM   EXISTING STORM DRAIN ALONG 27TH AVENUE
7125          KM   CAP= 160 CFS SOUTH
7126          DT   D27IS
7127          DI       0  10000.
7128          DQ       0  10000.

7129          KK   D35CB
7130          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
7131          KM   35TH & CAMELBACK
7132          DR   D35CB

7133          KK   R35H
7134          KM   STREET ROUTE
7135          KM   SOUTH
7136          KM   35TH Avenue
7137          RS       2    FLOW     -1.
7138          RC    0.02   0.016    0.02   2580.  0.0047
7139          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
7140          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

7141          KK  D2322W
7142          KM   RETRIEVAL OF SUB-BASIN DIVERSION
7143          KM   SUB-BASIN 23-22
7144          DR  D2322W

7145          KK   C35D
7146          KM   NORTH/SOUTH STREET COMBINE
7147          KM   35TH AVENUE
7148          HC       2  10.130

7149          KK   R35I
7150          KM   STREET ROUTE
7151          KM   SOUTH
7152          KM   35TH Avenue
7153          RS       3    FLOW     -1.
7154          RC    0.02   0.016    0.02   2690.  0.0028
7155          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
7156          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

7157          KK   CIS35
7158          KM   INTERSECTION COMBINE
7159          KM   INDIAN SCHOOL & 35TH
7160          HC       2    10.1

7161          KK   D43CB
7162          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
7163          KM   43RD & CAMELBACK
7164          DR   D43CB

7165          KK  SD43A
7166          KM   STORM DRAIN DIVERSION
7167          KM   EXISTING STORM DRAIN ALONG 43RD AVENUE
7168          KM   CAP= 165 CFS SOUTH
7169          DT  SD43AS
7170          DI       0    165.  10000.
7171          DQ       0    165.    165.
```

```
7172        KK   RGR6
7173        KM   STREET ROUTE
7174        KM   SOUTHEAST
7175        KM   GRAND AVENUE
7176        KM   RW=  93'
7177        KM   PAV=  88'
7178        RS       4    FLOW     -1.
7179        RC    0.02   0.016    0.02   3760.  0.0030
7180        RX       0     0.1     2.5    12.5    80.5    90.5     93.    93.1
7181        RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

7182        KK  22-22E
7183        KM   SUB-BASIN 22-22E
7184        KM   6-HOUR RAINFALL, PATTERN NO. 1.04 WAS USED TO FIND TC & R FOR THIS BASIN
7185        KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .993
7186        KM     L = 1.05  Kb = .065  Adj. Slope =   20.0
7187        BA    .532
7188        LG    .220    .260   4.800    .360  43.000
7189        UC    .850    .460
7190        UA       0       5      16      30      65      77      84      90      94      97
7191        UA     100

7192        KK  SD39BS
7193        KM   RETRIEVAL OF STORM DRAIN DIVERSION
7194        KM   EXISTING STORM DRAIN ALONG 31ST AVENUE
7195        KM   CAP= 268 CFS SOUTH
7196        DR  SD39BS

7197        KK  C2222E
7198        KM   SUB-BASIN COMBINE
7199        HC       3  12.095
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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


7200        KK  SD39C
7201        KM   STORM DRAIN DIVERSION
7202        KM   STORM DRAIN ALONG HALF MILE STREET
7203        KM   EXISTING STORM DRAIN ALONG 39TH AVENUE
7204        KM   DIVERSION SOUTH
7205        KM   CAP= 268 CFS SOUTH
7206        DT  SD39CS
7207        DI       0    268.  10268.
7208        DQ       0    268.    268.

7209        KK   RGR7
7210        KM   STREET ROUTE
7211        KM   SOUTHEAST
7212        KM   GRAND AVENUE
7213        KM   RW=  93'
7214        KM   PAV=  88'
7215        RS       4    FLOW     -1.
7216        RC    0.02   0.016    0.02   3690.  0.0031
7217        RX       0     0.1     2.5    12.5    80.5    90.5     93.    93.1
7218        RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

7219        KK  CIS35A
7220        KM   INTERSECTION COMBINE
7221        KM   INDIAN SCHOOL & 35TH
7222        HC       2    15.6

7223        KK   DIS35
7224        KM   STREET INTERSECTION DIVERSION
7225        KM   INDIAN SCHOOL & 35TH
7226        KM   DIVERSION TO SOUTH (FLOW IN GRAND AVE)
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K/14PRINT

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7227        KM   SPECIAL CASE
7228        KM   EXISTING STORM DRAIN ALONG 35TH AVENUE
7229        KM   CAP=  75 CFS SOUTH
7230        DT   D35IS
7231        DI       0     75.     79.    291.    340.    480.   1337.   2975.
7232        DQ       0     0.1      4.    216.    265.    389.    813.   1460.

7233        KK  SIS1AW
7234        KM   STREET CAPACITY DIVERSION
7235        KM   INDIAN SCHOOL
7236        KM   DIVERSION TO SOUTH
7237        DT  SIS1AS
7238        DI       0  10000.
7239        DQ       0  10000.

7240        KK  22-22W
7241        KM   SUB-BASIN 22-22W
7242        KM   6-HOUR RAINFALL, PATTERN NO. 1.00 WAS USED TO FIND TC & R FOR THIS BASIN
7243        KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .994
7244        KM     L =  .96  Kb = .025  Adj. Slope =   26.0
7245        BA    .467
7246        LG    .140    .250   4.800    .380  57.000
7247        UC    .346    .170
7248        UA       0       5      16      30      65      77      84      90      94      97
1                                          HEC-1 INPUT                                          PAGE161

LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

7249        UA     100

7250        KK  D2222S
7251        KM   SUB-BASIN DIVERSION
7252        KM   SUB-BASIN 22-22W
7253        KM   14% West & 86% South
7254        DT  D2222W
7255        DI       0  10000.
7256        DQ       0   1400.

7257        KK  SD39CS
7258        KM   RETRIEVAL OF STORM DRAIN DIVERSION
7259        KM   EXISTING STORM DRAIN ALONG 39TH AVENUE
7260        KM   CAP= 268 CFS SOUTH
7261        DR  SD39CS

7262        KK  C2222W
7263        KM   SUB-BASIN COMBINE
7264        HC       3    16.0

7265        KK   SIS1W
7266        KM   STREET CAPACITY DIVERSION
7267        KM   INDIAN SCHOOL
7268        KM   43% WEST 57% SOUTH
7269        KM   DIVERSION TO SOUTH -- SPECIAL CASE
7270        KM   FLOW DIVERSION BASED ON GRADE BREAK LOCATIONS & STREET PATTERNS
7271        KM   EXISTING STORM DRAIN ALONG 39TH AVENUE
7272        KM   CAP= 332 CFS SOUTH
7273        DT   SIS1S
7274        DI       0    332.   1332.   2332.   3332.
7275        DQ       0    332.    902.   1472.   2042.

7276        KK   RIS1
7277        KM   STREET ROUTE
7278        KM   WEST
7279        KM   INDIAN SCHOOL
7280        RS       3    FLOW     -1.
7281        RC    0.02   0.016    0.02   1400.  0.0007
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```
7282        RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
7283        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

7284        KK  D2222W
7285        KM   RETRIEVAL OF SUB-BASIN DIVERSION
7286        KM   SUB-BASIN 22-22W
7287        DR  D2222W

7288        KK  SD43AS
7289        KM   RETRIEVAL OF STORM DRAIN DIVERSION
7290        KM   EXISTING STORM DRAIN ALONG 43RD AVENUE
7291        KM   CAP= 165 CFS SOUTH
7292        DR  SD43AS
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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


7293        KK  CSD43A
7294        KM   COMBINE FOR STORM DRAIN DIVERSION
7295        KM   ALONG 43RD AVENUE JUST SOUTH OF GRAND AVENUE
7296        HC       2     16.

7297        KK   S43FS
7298        KM   STREET CAPACITY DIVERSION
7299        KM   43RD
7300        KM   DIVERSION TO WEST
7301        KM   EXISTING STORM DRAIN ALONG 43RD AVENUE
7302        KM   CAP=  89 CFS SOUTH
7303        DT   S43FW
7304        DI       0    131.    149.    972.   1598.
7305        DQ       0     0.1      8.    177.    305.

7306        KK   R43J
7307        KM   STREET ROUTE
7308        KM   SOUTH
7309        KM   43RD Avenue
7310        RS       3    FLOW     -1.
7311        RC    0.02   0.016    0.02   3750.  0.0040
7312        RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
7313        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

7314        KK   CIS43
7315        KM   INTERSECTION COMBINE
7316        KM   INDIAN SCHOOL & 43RD
7317        HC       2    16.0

7318        KK   DIS43
7319        KM   STREET INTERSECTION DIVERSION
7320        KM   INDIAN SCHOOL & 43RD
7321        KM   37% West & 63% South
7322        KM   DIVERSION SOUTH
7323        KM   EXISTING STORM DRAIN ALONG 43RD AVENUE
7324        KM   CAP=  89 CFS SOUTH
7325        DT   D43IS
7326        DI       0     89.  10089.
7327        DQ       0     89.   6389.

7328        KK   RIS2
7329        KM   STREET ROUTE
7330        KM   WEST
7331        KM   INDIAN SCHOOL
7332        RS       6    FLOW     -1.
7333        RC    0.02   0.016    0.02   2650.  0.0007
7334        RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
7335        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

7336          KK   SCB1S
7337          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
7338          KM   CAMELBACK
7339          DR   SCB1S

7340          KK  R2122S
7341          KM   SUB-BASIN STREET ROUTE
7342          KM   SOUTH
7343          KM   RW= 140'
7344          KM   PAV= 86'
7345          RS       5    FLOW     -1.
7346          RC    0.02   0.016    0.02   5330.  0.0040
7347          RX       0     0.1    27.0    37.0   103.0   113.0    140.   140.1
7348          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

7349          KK   21-22
7350          KM   SUB-BASIN 21-22
7351          KM   6-HOUR RAINFALL, PATTERN NO. 1.40 WAS USED TO FIND TC & R FOR THIS BASIN
7352          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .987
7353          KM     L = 1.45  Kb = .047  Adj. Slope =   17.0
7354          BA    .995
7355          LG    .200    .290   5.000    .290  30.000
7356          UC    .958    .476
7357          UA       0       5      16      30      65      77      84      90      94      97
7358          UA     100

7359          KK   S43FW
7360          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
7361          KM   43RD
7362          DR   S43FW

7363          KK  R2122W
7364          KM   SUB-BASIN STREET ROUTE
7365          KM   WEST
7366          KM   RW= 50'
7367          KM   PAV= 35'
7368          RS       5    FLOW     -1.
7369          RC    0.02   0.016    0.02   4980.  0.0035
7370          RX       0     0.1     7.5    17.5    32.5    42.5     50.    50.1
7371          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

7372          KK  C21-22
7373          KM   SUB-BASIN COMBINE
7374          HC       3    13.5

7375          KK  D2122S
7376          KM   SUB-BASIN DIVERSION
7377          KM   SUB-BASIN 21-22
7378          KM   28% West & 72% South
7379          DT  D2122W
7380          DI       0  10000.
7381          DQ       0   2800.
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

7382          KK   CIS1
7383          KM   EAST/WEST STREET COMBINE
7384          KM   INDIAN SCHOOL
7385          HC       2    17.5
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KK  SIS2WA
KM   STREET CAPACITY DIVERSION
KM   INDIAN SCHOOL
KM   SPECIAL CASE -- DUE TO GRADE BREAK
KM   DIVERSION TO SOUTH
DT  SIS2SA
DI       0  10000.
DQ       0   5000.

KK   SIS2W
KM   STREET CAPACITY DIVERSION
KM   INDIAN SCHOOL
KM   DIVERSION TO SOUTH
KM   STORM DRAIN ALONG INDIAN SCHOOL ROAD
KM   CAP=  45.0 CFS WEST
DT   SIS2S
DI       0     59.     95.   1029.   1734.
DQ       0     0.1     32.    741.   1279.

KK   RIS3
KM   STREET ROUTE
KM   WEST
KM   INDIAN SCHOOL
RS       4    FLOW     -1.
RC    0.02   0.016    0.02   2710.  0.0014
RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

KK   D51CB
KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
KM   51ST & CAMELBACK
DR   D51CB

KK   R51K
KM   STREET ROUTE
KM   SOUTH
KM   51ST Avenue
RS       2    FLOW     -1.
RC    0.02   0.016    0.02   2650.  0.0042
RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

KK  D2122W
KM   RETRIEVAL OF SUB-BASIN DIVERSION
KM   SUB-BASIN 21-22
DR  D2122W
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

KK   C51E
KM   NORTH/SOUTH STREET COMBINE
KM   51ST AVENUE
HC       2    13.5

KK   S51GS
KM   STREET CAPACITY DIVERSION
KM   51ST
KM   DIVERSION TO WEST
KM   STORM DRAIN ALONG 51ST AVE
KM   CAP=  38.0 CFS SOUTH
DT   S51GW
DI       0     75.    110.   1259.   2132.
DQ       0     0.1     26.    600.   1035.
```

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7440          KK   R51L
7441          KM   STREET ROUTE
7442          KM   SOUTH
7443          KM   51ST Avenue
7444          RS       3    FLOW     -1.
7445          RC    0.02   0.016    0.02   2650.  0.0032
7446          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
7447          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

7448          KK   CIS51
7449          KM   INTERSECTION COMBINE
7450          KM   INDIAN SCHOOL & 51ST
7451          HC       2    17.5

7452          KK   DIS51
7453          KM   STREET INTERSECTION DIVERSION
7454          KM   INDIAN SCHOOL & 51ST
7455          KM   22% West & 78% South
7456          KM   DIVERSION SOUTH
7457          KM   EXISTING STORM DRAIN ALONG 51ST AVENUE
7458          KM   CAP= 207 CFS SOUTH
7459          DT   D51IS
7460          DI       0    207.  10207.
7461          DQ       0    207.   8007.

7462          KK   RIS4
7463          KM   STREET ROUTE
7464          KM   WEST
7465          KM   INDIAN SCHOOL
7466          RS       4    FLOW     -1.
7467          RC    0.02   0.016    0.02   2710.  0.0016
7468          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
7469          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

7470          KK   SCB2S
7471          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
7472          KM   CAMELBACK
7473          DR   SCB2S

7474          KK  R2022S
7475          KM   SUB-BASIN STREET ROUTE
7476          KM   SOUTH
7477          KM   RW= 220'
7478          KM   PAV= 148'
7479          RS       6    FLOW     -1.
7480          RC    0.02   0.016    0.02   5340.  0.0031
7481          RX       0     0.1    36.0    46.0   174.0   184.0    220.   220.1
7482          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

7483          KK   20-22
7484          KM   SUB-BASIN 20-22
7485          KM   6-HOUR RAINFALL, PATTERN NO. 1.41 WAS USED TO FIND TC & R FOR THIS BASIN
7486          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .987
7487          KM     L = 1.42  Kb = .069  Adj. Slope =   12.0
7488          BA   1.014
7489          LG    .220    .250   5.300    .300  40.000
7490          UC   1.454    .736
7491          UA       0       5      16      30      65      77      84      90      94      97
7492          UA     100

7493          KK   S51GW
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7494          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
7495          KM   51ST
7496          DR   S51GW

7497          KK  R2022W
7498          KM   SUB-BASIN STREET ROUTE
7499          KM   WEST
7500          KM   RW= 120'
7501          KM   PAV= 78'
7502          RS       8    FLOW     -1.
7503          RC    0.02   0.016    0.02   5400.  0.0017
7504          RX       0     0.1    21.0    31.0    89.0    99.0    120.   120.1
7505          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

7506          KK  C20-22
7507          KM   SUB-BASIN COMBINE
7508          HC       3    20.5

7509          KK  D2022S
7510          KM   SUB-BASIN DIVERSION
7511          KM   SUB-BASIN 20-22
7512          KM   39% West & 61% South
7513          DT  D2022W
7514          DI       0  10000.
7515          DQ       0   3900.
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

7516          KK   CIS2
7517          KM   EAST/WEST STREET COMBINE
7518          KM   INDIAN SCHOOL
7519          HC       2    24.5

7520          KK   SIS3W
7521          KM   CASE 2
7522          KM   STREET CAPACITY DIVERSION
7523          KM   INDIAN SCHOOL
7524          KM   DIVERSION TO SOUTH
7525          KM   STORM DRAIN ALONG INDIAN SCHOOL
7526          KM   CAP=  61.0 CFS WEST
7527          DT   SIS3S
7528          DI       0    134.    221.   2044.   3408.
7529          DQ       0     42.    116.   1492.   2506.

7530          KK   RIS5
7531          KM   STREET ROUTE
7532          KM   WEST
7533          KM   INDIAN SCHOOL
7534          RS       4    FLOW     -1.
7535          RC    0.02   0.016    0.02   2680.  0.0019
7536          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
7537          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

7538          KK   D59CB
7539          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
7540          KM   59TH & CAMELBACK
7541          DR   D59CB

7542          KK   R59L
7543          KM   STREET ROUTE
7544          KM   SOUTH
7545          KM   59TH Avenue
7546          RS       3    FLOW     -1.
7547          RC    0.02   0.016    0.02   2660.  0.0032
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7548          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
7549          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

7550          KK  D2022W
7551          KM   RETRIEVAL OF SUB-BASIN DIVERSION
7552          KM   SUB-BASIN 20-22
7553          DR  D2022W

7554          KK   C59F
7555          KM   NORTH/SOUTH STREET COMBINE
7556          KM   59TH AVENUE
7557          HC       2    20.5
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

7558          KK   S59GS
7559          KM   STREET CAPACITY DIVERSION
7560          KM   59TH
7561          KM   DIVERSION TO WEST
7562          KM   STORM DRAIN ALONG 59TH AVE
7563          KM   CAP=  60.0 CFS SOUTH
7564          DT   S59GW
7565          DI       0     93.    141.   1540.   2602.
7566          DQ       0     0.1     40.    918.   1584.

7567          KK   R59M
7568          KM   STREET ROUTE
7569          KM   SOUTH
7570          KM   59TH Avenue
7571          RS       3    FLOW     -1.
7572          RC    0.02   0.016    0.02   2630.  0.0028
7573          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
7574          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

7575          KK   CIS59
7576          KM   INTERSECTION COMBINE
7577          KM   INDIAN SCHOOL & 59TH
7578          HC       2    24.5

7579          KK   DIS59
7580          KM   STREET INTERSECTION DIVERSION
7581          KM   INDIAN SCHOOL & 59TH
7582          KM   39% West & 61% South
7583          KM   DIVERSION SOUTH
7584          KM   EXISTING STORM DRAIN ALONG 59TH AVENUE
7585          KM   CAP= 359 CFS SOUTH
7586          DT   D59IS
7587          DI       0    359.  10359.
7588          DQ       0    359.   6459.

7589          KK   R1S6
7590          KM   STREET ROUTE
7591          KM   WEST
7592          KM   INDIAN SCHOOL
7593          RS       1    FLOW     -1.
7594          RC    0.02   0.016    0.02   1420.  0.0059
7595          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
7596          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

7597          KK   SCB3S
7598          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
7599          KM   CAMELBACK
7600          DR   SCB3S
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

7601          KK  R1922S
7602          KM   SUB-BASIN STREET ROUTE
7603          KM   SOUTH
7604          KM   RW= 270'
7605          KM   PAV= 183'
7606          RS       6    FLOW     -1.
7607          RC    0.02   0.016    0.02   5320.  0.0025
7608          RX       0     0.1    43.5    53.5   216.5   226.5    270.   270.1
7609          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

7610          KK   19-22
7611          KM   SUB-BASIN 19-22
7612          KM   6-HOUR RAINFALL, PATTERN NO. 1.37 WAS USED TO FIND TC & R FOR THIS BASIN
7613          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .988
7614          KM     L = 1.31  Kb = .076  Adj. Slope =   17.0
7615          BA    .939
7616          LG    .230    .160   7.300    .140  27.000
7617          UC   1.192    .578
7618          UA       0       5      16      30      65      77      84      90      94      97
7619          UA     100

7620          KK    PAGC        STORAGE ROUTING IN GOLF COURSE
7621          KM    PONDING AREA IN THE GOLF COURSE AT 59TH AVE & INDIAN SCHOOL
7622          KM    DATA BASED ON HEC-1 BY CVL(4/96) FOR FCD 93-34
7623          KM    SEE CVL COMPUTATION SHEETS IN APPENDIX E
7624          RS       1    FLOW     -1
7625          SV       0    1.93    5.25    9.27   14.63   20.86   28.00      32
7626          SE    1100    1101    1102    1103    1104    1105    1106  1106.5
7627          SQ       0       0       0       0       0     477    2326    3000

7628          KK   S59GW
7629          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
7630          KM   59TH
7631          DR   S59GW

7632          KK  R1922W
7633          KM   SUB-BASIN STREET ROUTE
7634          KM   WEST
7635          KM   RW= 220'
7636          KM   PAV= 148'
7637          RS       6    FLOW     -1.
7638          RC    0.02   0.016    0.02   5170.  0.0027
7639          RX       0     0.1    36.0    46.0   174.0   184.0    220.   220.1
7640          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

7641          KK  C19-22
7642          KM   SUB-BASIN COMBINE
7643          HC       3    28.7
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

7644          KK  D1922S
7645          KM   SUB-BASIN DIVERSION
7646          KM   SUB-BASIN 19-22
7647          KM   44% West & 56% South
7648          DT  D1922W
7649          DI       0  10000.
7650          DQ       0   4400.

7651          KK   CIS3
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7652          KM   EAST/WEST STREET COMBINE
7653          KM   INDIAN SCHOOL
7654          HC       2    32.7

7655          KK   SIS4W
7656          KM   STREET CAPACITY DIVERSION
7657          KM   INDIAN SCHOOL
7658          KM   DIVERSION TO SOUTH
7659          KM   STORM DRAIN ALONG INDIAN SCHOOL
7660          KM   CAP= 26. CFS WEST
7661          DT   SIS4S
7662          DI       0     26.  10026.
7663          DQ       0     0.1  10000.

7664          KK   D67CB
7665          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
7666          KM   67TH & CANELBACK
7667          DR   D67CB

7668          KK   R67N
7669          KM   STREET ROUTE
7670          KM   SOUTH
7671          KM   67TH Avenue
7672          RS       3    FLOW     -1.
7673          RC    0.02   0.016    0.02   2680.  0.0036
7674          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
7675          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

7676          KK  D1922W
7677          KM   RETRIEVAL OF SUB-BASIN DIVERSION
7678          KM   SUB-BASIN 19-22
7679          DR  D1922W

7680          KK   C67G
7681          KM   NORTH/SOUTH STREET COMBINE
7682          KM   67TH AVENUE
7683          HC       2    28.7

7684          KK   S67HS
7685          KM   STREET CAPACITY DIVERSION
7686          KM   SPECIAL CASE
7687          KM   100% WEST & 0% SOUTH DUE TO GRAND CANAL
7688          KM   DIVERSION TO WEST
7689          DT   S67HW
7690          DI       0  10000.
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

7691          DQ       0  10000.

7692          KK   CIS67
7693          KM   INTERSECTION COMBINE
7694          KM   67TH & INDIAN SCHOOL
7695          HC       2    28.7

7696          KK   DIS67
7697          KM   INTERSECTION DIVERSION
7698          KM   SPECIAL CASE
7699          KM   EXISTING STORM DRAIN SYSTEM ALONG 67TH AVENUE
7700          KM   THIS INTERSECTION DOES NOT HAVE A SURFACE DRAINAGE AREA
7701          KM   100% OF THE FLOW DIVERTED SOUTH
7702          KM   DIVERSION SOUTH
7703          KM   STORM DRAIN ALONG 59TH AVE
7704          KM   CAP= 174.0 CFS SOUTH
7705          DT   D67IS
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7706          DI       0  10000.
7707          DQ       0  10000.

7708          KK   S67HW
7709          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
7710          KM   67TH
7711          DR   S67HW

7712          KK  R2421W
7713          KM   SUB-BASIN STREET ROUTE
7714          KM   WEST
7715          KM   RW= 370'
7716          KM   PAV= 253'
7717          RS      12    FLOW     -1.
7718          RC    0.02   0.016    0.02   5790.  0.0008
7719          RX       0     0.1    58.5    68.5   301.5   311.5    370.   370.1
7720          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

7721          KK  24-21N
7722          KM   SUB-BASIN 24-21N
7723          KM   6-HOUR RAINFALL, PATTERN NO. 1.00 WAS USED TO FIND TC & R FOR THIS BASIN
7724          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .995
7725          KM     L =  .76  Kb = .084  Adj. Slope =   20.0
7726          BA    .413
7727          LG    .240    .150   8.000    .100  32.000
7728          UC    .758    .362
7729          UA       0       5      16      30      65      77      84      90      94      97
7730          UA     100

7731          KK   SCB4S
7732          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
7733          KM   CAMELBACK
7734          DR   SCB4S
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


7735          KK  R2421S
7736          KM   SUB-BASIN STREET ROUTE
7737          KM   SOUTH
7738          KM   RW= 70'
7739          KM   PAV= 43'
7740          RS       5    FLOW     -1.
7741          RC    0.02   0.016    0.02   3800.  0.0018
7742          RX       0     0.1    13.5    23.5    46.5    56.5     70.    70.1
7743          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

7744          KK  C2421N
7745          KM   SUB-BASIN COMBINE
7746          HC       3  40.904

7747          KK  RES24N
7748          KM   PONDING AREA RESERVOIR ROUTE
7749          KM   PONDING AREA NORTHEAST OF GRAND CANAL EMBANKMENT
7750          KM   FLOW OVERTOPS THE GRAND CANAL TO THE SOUTH
7751          KM   SUB-BASIN 24-21N
7752          RS       1    ELEV   1092.
7753          SV       0   14.23   83.84  148.04  186.14  228.25
7754          SE   1092.   1094.   1096.   1097.  1097.5   1098.
7755          SQ      0.     0.1     0.2     0.3    317.   1958.

7756          KK  24-21S
7757          KM   SUB-BASIN 24-21S
7758          KM   6-HOUR RAINFALL, PATTERN NO. 1.12 WAS USED TO FIND TC & R FOR THIS BASIN
7759          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .992
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7760          KM     L =  .53  Kb = .068  Adj. Slope =   12.0
7761          BA    .612
7762          LG    .220    .160   7.600    .110  39.000
7763          UC    .637    .179
7764          UA       0       5      16      30      65      77      84      90      94      97
7765          UA     100

7766          KK  C2421S
7767          KM   SUB-BASIN COMBINE
7768          HC       2   41.52

7769          KK  D2421S
7770          KM   SUB-BASIN DIVERSION
7771          KM   SUB-BASIN 24-21S
7772          KM   21% West & 79% South
7773          DT  D2421W
7774          DI       0  10000.
7775          DQ       0   2100.

7776          KK    CIS5
7777          KM   EAST/WEST STREET COMBINE
7778          HC       2  41.516
1                                        HEC-1 INPUT                                          PAGE173

LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


7779          KK   SIS5W
7780          KM   STREET CAPACITY DIVERSION
7781          KM   INDIAN SCHOOL
7782          KM   DIVERSION TO SOUTH
7783          DT   SIS5S
7784          DI       0     30.     62.   1071.   1837.
7785          DQ       0     0.1     24.    565.    975.

7786          KK    RIS8
7787          KM   STREET ROUTE
7788          KM   WEST
7789          KM   INDIAN SCHOOL
7790          RS       3    FLOW     -1.
7791          RC    0.02   0.016    0.02   2650.  0.0024
7792          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
7793          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

7794          KK   D75CB
7795          KM   RETRIEVAL OF INTERSECTION DIVERSION
7796          DR   D75CB

7797          KK  D2421W
7798          KM   RETRIEVAL OF SUB-BASIN DIVERSION
7799          KM   SUB-BASIN 24-21S
7800          DR  D2421W

7801          KK   C75F1
7802          KM   NORTH/SOUTH STREET COMBINE
7803          KM   75TH AVENUE
7804          HC       2   41.52

7805          KK   S75IS
7806          KM   STREET CAPACITY DIVERSION
7807          KM   75TH AVENUE
7808          KM   DIVERSION TO WEST
7809          DT   S75IW
7810          DI       0     35.     83.   1498.   2573.
7811          DQ       0     0.1     40.    918.   1584.
```

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7812        KK   R750
7813        KM   STREET ROUTE
7814        KM   SOUTH
7815        KM   75TH Avenue
7816        RS       3    FLOW     -1.
7817        RC    0.02   0.016    0.02   2610.  0.0036
7818        RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
7819        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

7820        KK   CIS75
7821        KM   INTERSECTION COMBINE
7822        KM   INDIAN SCHOOL & 75TH
7823        HC       2  41.516
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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

7824        KK   DIS75
7825        KM   STREET INTERSECTION DIVERSION
7826        KM   INDIAN SCHOOL & 75TH
7827        KM   27% West & 73% South
7828        KM   DIVERSION SOUTH
7829        KM   STORM DRAIN ALONG 75TH AVE
7830        KM   CAP= 161.0 CFS SOUTH
7831        KM   STORM DRAIN ALONG INDIAN SCHOOL
7832        KM   CAP=  11.0 CFS WEST
7833        DT   D75IS
7834        DI       0    172.  10172.
7835        DQ       0    161.   7461.

7836        KK   RIS9
7837        KM   STREET ROUTE
7838        KM   WEST
7839        KM   INDIAN SCHOOL
7840        RS       3    FLOW     -1.
7841        RC    0.02   0.016    0.02   2520.  0.0027
7842        RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
7843        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

7844        KK   SCB5S
7845        KM   RETRIEVAL OF STREET CAPACITY DIVERSION
7846        KM   CAMELBACK
7847        DR   SCB5S

7848        KK  R2321S
7849        KM   SUB-BASIN STREET ROUTE
7850        KM   SOUTH
7851        KM   RW= 220'
7852        KM   PAV= 148'
7853        RS       5    FLOW     -1.
7854        RC    0.02   0.016    0.02   5010.  0.0030
7855        RX       0     0.1    36.0    46.0   174.0   184.0    220.   220.1
7856        RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

7857        KK   23-21
7858        KM   SUB-BASIN 23-21
7859        KM   6-HOUR RAINFALL, PATTERN NO. 1.39 WAS USED TO FIND TC & R FOR THIS BASIN
7860        KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .987
7861        KM     L = 1.26  Kb = .073  Adj. Slope =   18.0
7862        BA    .986
7863        LG    .240    .180   6.800    .160  33.000
7864        UC   1.100    .499
7865        UA       0       5      16      30      65      77      84      90      94      97
7866        UA     100
```


IC/14PRINT

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7867          KK   S751W
7868          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
7869          KM   75TH
7870          DR   S751W
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

7871          KK  R2321W
7872          KM   SUB-BASIN STREET ROUTE
7873          KM   WEST
7874          KM   RW= 470'
7875          KM   PAV= 323'
7876          RS       5    FLOW     -1.
7877          RC    0.02   0.016    0.02   5030.  0.0032
7878          RX       0     0.1    73.5    83.5   386.5   396.5    470.   470.1
7879          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

7880          KK  C23-21
7881          KM   SUB-BASIN COMBINE
7882          HC       3  47.020

7883          KK  D2321S
7884          KM   SUB-BASIN DIVERSION
7885          KM   SUB-BASIN 23-21
7886          KM   43% West & 57% South
7887          DT  D2321W
7888          DI       0  10000.
7889          DQ       0   4300.

7890          KK    CIS6
7891          KM   EAST/WEST STREET COMBINE
7892          HC       2  47.020

7893          KK   SIS6W
7894          KM   STREET CAPACITY DIVERSION
7895          KM   INDIAN SCHOOL
7896          KM   DIVERSION TO SOUTH
7897          KM   STORM DRAIN ALONG INDIAN SCHOOL ROAD
7898          KM   CAP=  37.0 CFS WEST
7899          DT   SIS6S
7900          DI       0     70.    140.   2034.   3472.
7901          DQ       0     0.1     62.   1447.   2497.

7902          KK   RIS10
7903          KM   STREET ROUTE
7904          KM   WEST
7905          KM   INDIAN SCHOOL
7906          RS       3    FLOW     -1.
7907          RC    0.02   0.016    0.02   2760.  0.0030
7908          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
7909          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

7910          KK   D83CB
7911          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
7912          KM   83RD & CAMELBACK
7913          DR   D83CB
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

7914          KK    R83N
7915          KM   STREET ROUTE
7916          KM   SOUTH
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7917          KM   83RD Avenue
7918          RS       3    FLOW     -1.
7919          RC    0.02   0.016    0.02   2650.  0.0022
7920          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
7921          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

7922          KK  D2321W
7923          KM   RETRIEVAL OF SUB-BASIN DIVERSION
7924          KM   SUB-BASIN 23-21
7925          DR  D2321W

7926          KK    C83G
7927          KM   NORTH/SOUTH STREET COMBINE
7928          KM   83RD AVENUE
7929          HC       2  47.020

7930          KK   S83HS
7931          KM   STREET CAPACITY DIVERSION
7932          KM   83RD
7933          KM   DIVERSION TO WEST
7934          DT   S83HW
7935          DI       0     29.    1 52    846.   1449.
7936          DQ       0     0.1     15.    353.    609.

7937          KK    R83O
7938          KM   STREET ROUTE
7939          KM   SOUTH
7940          KM   83RD Avenue
7941          RS       3    FLOW     -1.
7942          RC    0.02   0.016    0.02   2680.  0.0025
7943          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
7944          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

7945          KK   CIS83
7946          KM   INTERSECTION COMBINE
7947          KM   INDIAN SCHOOL & 83RD
7948          HC       2  47.020

7949          KK   DIS83
7950          KM   STREET INTERSECTION DIVERSION
7951          KM   INDIAN SCHOOL & 83RD
7952          KM   66% West & 34% South
7953          KM   DIVERSION SOUTH
7954          KM   STORM DRAIN ALONG 83RD AVE
7955          KM   CAP= 199.0 CFS SOUTH
7956          DT   D83IS
7957          DI       0    199.  10199.
7958          DQ       0    199.   3599.
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

7959          KK   RIS11
7960          KM   STREET ROUTE
7961          KM   WEST
7962          KM   INDIAN SCHOOL
7963          RS       3    FLOW     -1.
7964          RC    0.02   0.016    0.02   2670.  0.0030
7965          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
7966          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

7967          KK   SCB6S
7968          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
7969          KM   CAMELBACK
7970          DR   SCB6S
```

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7971          KK  R2221S
7972          KM   SUB-BASIN STREET ROUTE
7973          KM   SOUTH
7974          KM   RW= 120'
7975          KM   PAV= 78'
7976          RS       8    FLOW     -1.
7977          RC    0.02   0.016    0.02   5290.  0.0016
7978          RX       0     0.1    21.0    31.0    89.0    99.0    120.   120.1
7979          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

7980          KK   22-21
7981          KM   SUB-BASIN 22-21
7982          KM   6-HOUR RAINFALL, PATTERN NO. 1.40 WAS USED TO FIND TC & R FOR THIS BASIN
7983          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .987
7984          KM     L = 1.42  Kb = .073  Adj. Slope =   16.0
7985          BA   1.001
7986          LG    .310    .160   9.700    .060  24.000
7987          UC   1.225    .613
7988          UA       0       5      16      30      65      77      84      90      94      97
7989          UA     100

7990          KK   S83HW
7991          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
7992          KM   83RD
7993          DR   S83HW

7994          KK  R2221W
7995          KM   SUB-BASIN STREET ROUTE
7996          KM   WEST
7997          KM   RW= 70'
7998          KM   PAV= 43'
7999          RS       5    FLOW     -1.
8000          RC    0.02   0.016    0.02   5260.  0.0037
8001          RX       0     0.1    13.5    23.5    46.5    56.5     70.    70.1
8002          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

8003          KK  C22-21
8004          KM   SUB-BASIN COMBINE
8005          HC       3  55.235

8006          KK  D2221S
8007          KM   SUB-BASIN DIVERSION
8008          KM   SUB-BASIN 22-21
8009          KM   57% West & 43% South
8010          DT  D2221W
8011          DI       0  10000.
8012          DQ       0   5700.

8013          KK    CIS7
8014          KM   EAST/WEST STREET COMBINE
8015          KM   INDIAN SCHOOL
8016          HC       2  55.235

8017          KK   SIS7W
8018          KM   STREET CAPACITY DIVERSION
8019          KM   INDIAN SCHOOL
8020          KM   DIVERSION TO SOUTH
8021          KM   STORM DRAIN ALONG INDIAN SCHOOL ROAD
8022          KM   CAP=  33.0 CFS WEST
8023          DT   SIS7S
8024          DI       0     66.    107.   1333.   2265.
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8025        DQ      0     0.1     32.    741.   1279.

8026        KK   RIS12
8027        KM   STREET ROUTE
8028        KM   WEST
8029        KM   INDIAN SCHOOL
8030        RS       3    FLOW     -1.
8031        RC    0.02   0.016    0.02   2640.  0.0030
8032        RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
8033        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

8034        KK   D91CB
8035        KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
8036        KM   91ST & CAMELBACK
8037        DR   D91CB

8038        KK    R91K
8039        KM   STREET ROUTE
8040        KM   SOUTH
8041        KM   91ST Avenue
8042        RS       3    FLOW     -1.
8043        RC    0.02   0.016    0.02   2680.  0.0022
8044        RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
8045        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

8046        KK  D2221W
8047        KM   RETRIEVAL OF SUB-BASIN DIVERSION
8048        KM   SUB-BASIN 22-21
8049        DR  D2221W

8050        KK    C91F
8051        KM   NORTH/SOUTH STREET COMBINE
8052        KM   91ST AVENUE
8053        HC       2  55.235

8054        KK   S91FS
8055        KM   STREET CAPACITY DIVERSION
8056        KM   91ST
8057        KM   DIVERSION TO WEST
8058        DT   S91FW
8059        DI       0     25.     54.    954.   1638.
8060        DQ       0     0.1     23.    530.    914.

8061        KK    R91L
8062        KM   STREET ROUTE
8063        KM   SOUTH
8064        KM   91ST Avenue
8065        RS       4    FLOW     -1.
8066        RC    0.02   0.016    0.02   2640.  0.0012
8067        RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
8068        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

8069        KK   CIS91
8070        KM   INTERSECTION COMBINE
8071        KM   INDIAN SCHOOL & 91ST
8072        HC       2  55.235

8073        KK   DIS91
8074        KM   STREET INTERSECTION DIVERSION
8075        KM   INDIAN SCHOOL & 91ST
8076        KM   80% West & 20% South
8077        KM   DIVERSION SOUTH
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1C/14PRINT

```
8078          KM   STORM DRAIN ALONG 91ST AVE
8079          KM   CAP= 162.0 CFS SOUTH
8080          DT   D91IS
8081          DI       0    162.  10162.
8082          DQ       0    162.   2162.

8083          KK   RIS13
8084          KM   STREET ROUTE
8085          KM   WEST
8086          KM   INDIAN SCHOOL
8087          RS       3   FLOW     -1.
8088          RC    0.02   0.016    0.02   2670.  0.0034
8089          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
8090          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
1                                          HEC-1 INPUT                                                    PAGE180

LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


8091          KK   SCB7S
8092          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
8093          KM   CAMELBACK
8094          DR   SCB7S

8095          KK  R2121S
8096          KM   SUB-BASIN STREET ROUTE
8097          KM   SOUTH
8098          KM   RW= 100'
8099          KM   PAV= 70'
8100          RS       7   FLOW     -1.
8101          RC    0.02   0.016    0.02   5310.  0.0019
8102          RX       0     0.1    15.0    25.0    75.0    85.0    100.   100.1
8103          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

8104          KK   21-21
8105          KM   SUB-BASIN 21-21
8106          KM   6-HOUR RAINFALL, PATTERN NO. 1.41 WAS USED TO FIND TC & R FOR THIS BASIN
8107          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .987
8108          KM     L = 1.24  Kb = .079  Adj. Slope =   14.0
8109          BA   1.007
8110          LG    .500    .150   9.700    .070    .000
8111          UC   1.358    .615
8112          UA       0       5      16      30      65      77      84      90      94      97
8113          UA     100

8114          KK   S91FW
8115          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
8116          KM   91ST
8117          DR   S91FW

8118          KK  R2121W
8119          KM   SUB-BASIN STREET ROUTE
8120          KM   WEST
8121          KM   RW= 150'
8122          KM   PAV= 105'
8123          RS       6   FLOW     -1.
8124          RC    0.02   0.016    0.02   5050.  0.0027
8125          RX       0     0.1    22.5    32.5   117.5   127.5    150.   150.1
8126          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

8127          KK  C21-21
8128          KM   SUB-BASIN COMBINE
8129          HC       3  59.105

8130          KK  D2121S
8131          KM   SUB-BASIN DIVERSION
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8132          KM   SUB-BASIN 21-21
8133          KM   53% West & 47% South
8134          DT  D2121W
8135          DI       0  10000.
8136          DQ       0   5300.
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

8137          KK    CIS8
8138          KM   EAST/WEST STREET COMBINE
8139          HC       2  59.105

8140          KK   SIS8W
8141          KM   STREET CAPACITY DIVERSION
8142          KM   INDIAN SCHOOL
8143          KM   DIVERSION TO SOUTH
8144          DT   SIS8S
8145          DI       0     33.     56.    906.   1552.
8146          DQ       0     0.1     15.    353.    609.

8147          KK   RIS14
8148          KM   STREET ROUTE
8149          KM   WEST
8150          KM   INDIAN SCHOOL
8151          RS       3    FLOW     -1.
8152          RC    0.02   0.016    0.02   2620.  0.00224
8153          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
8154          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

8155          KK   D99CB
8156          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
8157          KM   99TH & CAMELBACK
8158          DR   D99CB

8159          KK    R99F
8160          KM   STREET ROUTE
8161          KM   SOUTH
8162          KM   99TH Avenue
8163          RS       4    FLOW     -1.
8164          RC    0.02   0.016    0.02   2660.  0.0019
8165          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
8166          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

8167          KK  D2121W
8168          KM   RETRIEVAL OF SUB-BASIN DIVERSION
8169          KM   SUB-BASIN 21-21
8170          DR  D2121W

8171          KK    C99C
8172          KM   NORTH/SOUTH STREET COMBINE
8173          KM   99TH AVENUE
8174          HC       2  59.105

8175          KK   S99CS
8176          KM   STREET CAPACITY DIVERSION
8177          KM   99TH
8178          KM   DIVERSION TO WEST
8179          DT   S99CW
8180          DI       0     26.     48.    797.   1367.
8181          DQ       0     0.1     15.    353.    609.
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10
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8182        KK    R99G
8183        KM   STREET ROUTE
8184        KM   SOUTH
8185        KM   99TH Avenue
8186        RS       4    FLOW     -1.
8187        RC    0.02   0.016    0.02   2680.  0.0019
8188        RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
8189        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

8190        KK   CIS99
8191        KM   INTERSECTION COMBINE
8192        KM   INDIAN SCHOOL & 99TH
8193        HC       2  59.105

8194        KK   DIS99
8195        KM   STREET INTERSECTION DIVERSION
8196        KM   INDIAN SCHOOL & 99TH
8197        KM   78% West & 22% South
8198        DT   D99IS
8199        DI       0  10000.
8200        DQ       0   2200.

8201        KK   RIS15
8202        KM   STREET ROUTE
8203        KM   WEST
8204        KM   INDIAN SCHOOL
8205        RS       3    FLOW     -1.
8206        RC    0.02   0.016    0.02   2640.  0.0024
8207        RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
8208        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

8209        KK   SCB8S
8210        KM   RETRIEVAL OF STREET CAPACITY DIVERSION
8211        KM   CAMELBACK
8212        DR   SCB8S

8213        KK  R2021S
8214        KM   SUB-BASIN STREET ROUTE
8215        KM   SOUTH
8216        KM   RW= 120'
8217        KM   PAV= 78'
8218        RS       7    FLOW     -1.
8219        RC    0.02   0.016    0.02   5800.  0.0021
8220        RX       0     0.1    21.0    31.0    89.0    99.0    120.   120.1
8221        RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

8222        KK   20-21
8223        KM   SUB-BASIN 20-21
8224        KM   6-HOUR RAINFALL, PATTERN NO. 1.41 WAS USED TO FIND TC & R FOR THIS BASIN
8225        KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .987
8226        KM     L = 1.59  Kb = .070  Adj. Slope =    9.0
8227        BA   1.022
8228        LG    .270    .170   8.000    .110  24.000
8229        UC   1.500    .831
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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

8230        UA       0       5      16      30      65      77      84      90      94      97
8231        UA     100

8232        KK   RET20
8233        KM   RETENTION BASIN DIVERSION
8234        KM   SUB-BASIN 20-21
8235        KM   66% OF SUB-BASIN DRAINS TO RETENTION BASIN
```

```
8236          DT  D2021R   30.53
8237          DI       0  10000.
8238          DQ       0   6600.

8239          KK   S99CW
8240          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
8241          KM   99TH
8242          DR   S99CW

8243          KK  R2021W
8244          KM   SUB-BASIN STREET ROUTE
8245          KM   WEST
8246          KM   RW= 120'
8247          KM   PAV= 78'
8248          RS       8    FLOW     -1.
8249          RC    0.02   0.016    0.02   6000.  0.0020
8250          RX       0     0.1    21.0    31.0    89.0    99.0    120.   120.1
8251          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

8252          KK  C20-21
8253          KM   SUB-BASIN COMBINE
8254          HC       3  60.827

8255          KK  D2021S
8256          KM   SUB-BASIN DIVERSION
8257          KM   SUB-BASIN 20-21
8258          KM   27% West & 73% South
8259          DT  D2021W
8260          DI       0  10000.
8261          DQ       0   2700.

8262          KK    CIS9
8263          KM   EAST/WEST STREET COMBINE
8264          HC       2  60.827

8265          KK   SIS9W
8266          KM   STREET CAPACITY DIVERSION
8267          KM   INDIAN SCHOOL
8268          KM   DIVERSION TO SOUTH
8269          DT   SIS9S
8270          DI       0     28.     42.    642.   1099.
8271          DQ       0     0.1      8.    177.    305.
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

8272          KK   RIS16
8273          KM   STREET ROUTE
8274          KM   WEST
8275          KM   INDIAN SCHOOL
8276          RS       4    FLOW     -1.
8277          RC    0.02   0.016    0.02   2800.  0.0018
8278          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
8279          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

8280          KK  D107CB
8281          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
8282          KM   107TH & CAMELBACK
8283          DR  D107CB

8284          KK   R107A
8285          KM   STREET ROUTE
8286          KM   SOUTH
8287          KM   107TH Avenue
8288          RS       3    FLOW     -1.
```

```
8289          RC    0.02   0.016    0.02   2660.  0.0033
8290          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
8291          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

8292          KK  D2021W
8293          KM   RETRIEVAL OF SUB-BASIN DIVERSION
8294          KM   SUB-BASIN 20-21
8295          DR  D2021W

8296          KK   C107A
8297          KM   NORTH/SOUTH STREET COMBINE
8298          KM   107TH AVENUE
8299          HC       2  60.827

8300          KK  S107AS
8301          KM   STREET CAPACITY DIVERSION
8302          KM   107TH
8303          KM   DIVERSION TO WEST
8304          DT  S107AW
8305          DI       0     31.     56.    917.   1572.
8306          DQ       0     0.1     17.    388.    670.

8307          KK   R107B
8308          KM   STREET ROUTE
8309          KM   SOUTH
8310          KM   107TH Avenue
8311          RS       3    FLOW     -1.
8312          RC    0.02   0.016    0.02   2640.  0.0020
8313          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
8314          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

8315          KK  CIS107
8316          KM   INTERSECTION COMBINE
8317          KM   INDIAN SCHOOL & 107TH
8318          HC       2  60.827

8319          KK  DIS107
8320          KM   STREET INTERSECTION DIVERSION
8321          KM   INDIAN SCHOOL & 107TH
8322          KM   33% West & 67% South
8323          DT  D107IS
8324          DI       0  10000.
8325          DQ       0   6700.

8326          KK   RIS17
8327          KM   STREET ROUTE
8328          KM   WEST
8329          KM   INDIAN SCHOOL
8330          RS       4    FLOW     -1.
8331          RC    0.02   0.016    0.02   2560.  0.0014
8332          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
8333          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

8334          KK   19-21
8335          KM   SUB-BASIN 19-21
8336          KM   6-HOUR RAINFALL, PATTERN NO. 1.32 WAS USED TO FIND TC & R FOR THIS BASIN
8337          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .989
8338          KM     L = 1.33  Kb = .070  Adj. Slope =   26.0
8339          BA    .872
8340          LG    .390    .260   5.100    .360  10.000
8341          UC   1.146    .585
8342          UA       0       5      16      30      65      77      84      90      94      97
```

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8343          UA     100

8344          KK  S107AW
8345          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
8346          KM   107TH
8347          DR  S107AW

8348          KK  R1921W
8349          KM   SUB-BASIN STREET ROUTE
8350          KM   WEST
8351          KM   RW= 120'
8352          KM   PAV= 78'
8353          RS       2    FLOW     -1.
8354          RC    0.02   0.016    0.02   2640.  0.0039
8355          RX       0     0.1    21.0    31.0    89.0    99.0    120.   120.1
8356          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

8357          KK  C19-21
8358          KM   SUB-BASIN COMBINE
8359          HC       2  61.700
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

8360          KK  D1921S
8361          KM   SUB-BASIN DIVERSION
8362          KM   SUB-BASIN 19-21
8363          KM   72% West & 28% South
8364          DT  D1921W
8365          DI       0  10000.
8366          DQ       0   7200.

8367          KK   CIS10
8368          KM   EAST/WEST STREET COMBINE
8369          HC       2  61.700

8370          KK   RIS18
8371          KM   STREET ROUTE
8372          KM   WEST
8373          KM   INDIAN SCHOOL
8374          RS       4    FLOW     -1.
8375          RC    0.02   0.016    0.02   2500.  0.0011
8376          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
8377          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

8378          KK  D1921W
8379          KM   RETRIEVE SUB-BASIN DIVERSION
8380          DR  D1921W

8381          KK   NULL7
8382          KM   NULL COMBINE: NULL6 + RIS18 + D1921W
8383          HC       3     1.
              *
              *
              * THOMAS ROAD COMPUTATION PATH NORTH OF GRAND CANAL
              *

8384          KK   D35IS
8385          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
8386          KM   35TH & INDIAN SCHOOL
8387          DR   D35IS

8388          KK   RGR8
8389          KM   STREET ROUTE
8390          KM   EAST
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8391        KM   GRAND AVENUE
8392        KM   RW= 93'
8393        KM   PAV= 88'
8394        RS       7    FLOW     -1.
8395        RC    0.02   0.016    0.02   4000.  0.0012
8396        RX       0     0.1     2.5    12.5    80.5    90.5     93.    93.1
8397        RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0
```



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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

8398        KK   D27IS
8399        KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
8400        KM   27TH & INDIAN SCHOOL
8401        DR   D27IS

8402        KK   R27F
8403        KM   STREET ROUTE
8404        KM   SOUTH
8405        KM   27TH Avenue
8406        RS       2    FLOW     -1.
8407        RC    0.02   0.016    0.02   1740.  0.0027
8408        RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
8409        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

8410        KK  26-22N
8411        KM   SUB-BASIN 26-22N
8412        KM   6-HOUR RAINFALL, PATTERN NO. 1.00 WAS USED TO FIND TC & R FOR THIS BASIN
8413        KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .995
8414        KM     L =  .57  Kb = .030  Adj. Slope =   15.0
8415        BA    .380
8416        LG    .150    .240   5.100    .340  58.000
8417        UC    .346    .126
8418        UA       0       5      16      30      65      77      84      90      94      97
8419        UA     100

8420        KK  SD31CS
8421        KM   RETRIEVAL OF STORM DRAIN DIVERSION
8422        KM   EXISTING STORM DRAIN ALONG 31ST AVENUE
8423        KM   CAP= 251 CFS SOUTH
8424        DR  SD31CS

8425        KK  C2622N
8426        KM   SUB-BASIN COMBINE
8427        KM   THIS COMBINE INCLUDES THE FLOW IN THE 27TH & 31ST AVENUE STORM DRAINS
8428        HC       4  16.649

8429        KK  SD31D
8430        KM   STORM DRAIN DIVERSION
8431        KM   STORM DRAIN ALONG HALF MILE STREET
8432        KM   EXISTING STORM DRAIN ALONG 31ST AVENUE
8433        KM   DIVERT IS TO THE SOUTH
8434        KM   CAP= 251 CFS SOUTH
8435        DT  SD31DS
8436        DI       0    251.  10251.
8437        DQ       0    251.    251.

8438        KK  RES26T
8439        KM   PONDING AREA RESERVOIR ROUTE
8440        KM   PONDING AREA NORTH OF GRAND CANAL
8441        KM   FLOW IN 27TH AVENUE STORM DRAIN INCLUDED IN RATING CURVE FOR PONDING AREA
8442        KM   CAPACITY OF 31ST AVENUE STORM DRAIN HAS ALREADY BEEN DIVERTED TO SOUTH
8443        KM   SUB-BASIN 26-22N
8444        RS       1    ELEV   1011.
8445        SV     0.0     0.1    2.35    9.38    33.9
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

8446          SE   1011.   1012.  1012.5   1013.   1014.
8447          SQ    160.    160.    640.   1780.  10096.

8448          KK    D26W
8449          KM   FLOW DIVERSION
8450          KM   SUB-BASIN 26-22N
8451          KM   0% West & 100% South
8452          KM   THIS DIVERT PASSES ALL FLOW TO THE SOUTH VIA THE DIVERT
8453          KM   WHILE THE MAIN COMPUTATIONAL PATH REMAINS OPEN (WITH 0 FLOW)
8454          KM   TO THE WEST, TO BE COMBINED AT C2722N.
8455          DT    D26S
8456          DI       0  10000.
8457          DQ       0  10000.

8458          KK  SIS1AS
8459          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
8460          KM   35TH & INDIAN SCHOOL
8461          DR  SIS1AS

8462          KK  SD35DW
8463          KM   SPECIAL STREET CAPACITY DIVERSION
8464          KM   35TH AVENUE
8465          KM   DIVERSION TO SOUTH
8466          KM   EXISTING STORM DRAIN ALONG 35TH AVENUE
8467          KM   CAP=  75 CFS SOUTH
8468          DT  SD35DS
8469          DI       0     75.  10000.
8470          DQ       0     75.     75.

8471          KK  R2722W
8472          KM   SUB-BASIN STREET ROUTE
8473          KM   WEST
8474          KM   RW= 50'
8475          KM   PAV= 35'
8476          RS       7    FLOW     -1.
8477          RC    0.02   0.016    0.02   4660.  0.0015
8478          RX       0     0.1     7.5    17.5    32.5    42.5     50.    50.1
8479          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

8480          KK   SIS1S
8481          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
8482          KM   INDIAN SCHOOL
8483          DR   SIS1S

8484          KK  R2722S
8485          KM   SUB-BASIN STREET ROUTE
8486          KM   SOUTH
8487          KM   RW= 170'
8488          KM   PAV= 113'
8489          RS       3    FLOW     -1.
8490          RC    0.02   0.016    0.02   3060.  0.0029
8491          RX       0     0.1    28.5    38.5   131.5   141.5    170.   170.1
8492          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

8493          KK  27-22N
8494          KM   SUB-BASIN 27-22N
8495          KM   6-HOUR RAINFALL, PATTERN NO. 1.00 WAS USED TO FIND TC & R FOR THIS BASIN
8496          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .995
```

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8497        KM     L = 1.15  Kb = .025  Adj. Slope =   10.0
8498        BA    .372
8499        LG    .120    .250   6.000    .240  71.000
8500        UC    .563    .384
8501        UA       0       5      16      30      65      77      84      90      94      97
8502        UA     100

8503        KK  C2722N
8504        KM   SUB-BASIN COMBINE
8505        KM   THIS COMBINES FLOWS FROM R2722S, 27-22N, R2722W, & D26W (WITH 0 FLOW)
8506        HC       4    16.4

8507        KK  D2722N
8508        KM   SUB-BASIN DIVERSION
8509        KM   SUB-BASIN 27-22N
8510        KM   19% West & 81% South
8511        KM   DIVERSION WEST
8512        KM   EXISTING STORM DRAIN ALONG 39TH AVENUE
8513        KM   CAP= 332 CFS SOUTH
8514        DT  D2722A
8515        DI       0    332.    532.    832.   1332.   2332.
8516        DQ       0     0.1     38.     95.    190.    380.

8517        KK     D39
8518        KM    FLOW DIVERSION AT 39TH AVE
8519        KM    FLOW DIVERSION DATA BASED ON
8520        KM    PRELIMINARY COMPUTATIONS BY WPA 6/96
8521        KM    CAPACITY OF SURFACE FLOW NORTH OF CANAL = 600 CFS
8522        KM    DIVERSION OF FLOW SOUTH UNDER THE GRAND CANAL
8523        KM    BY AN EXISTING STORM DRAIN SYSTEM
8524        KM    ESTIMATED STORM DRAIN CAPACITY (78") =286 CFS
8525        DT    D39S
8526        DI       0    286.    886.   1286.   2286.
8527        DQ       0    286.    286.    686.   1686.

8528        KK   D43IS
8529        KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
8530        KM   43RD & INDIAN SCHOOL
8531        DR   D43IS

8532        KK   R43K
8533        KM   STREET ROUTE
8534        KM   SOUTH
8535        KM   43RD Avenue
8536        RS       2    FLOW     -1.
8537        RC    0.02   0.016    0.02   2120.  0.0038
8538        RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
8539        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
```



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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

8540        KK   S43GS
8541        KM   STREET CAPACITY DIVERSION
8542        KM   43RD AVENUE
8543        KM   SPECIAL CASE
8544        KM   DIVERSION TO WEST 50% OF SURFACE FLOW
8545        KM   EXISTING STORM DRAIN ALONG 43RD AVENUE
8546        KM   CAP=  89 CFS SOUTH
8547        DT   S43GW
8548        DI       0     89.  10089.
8549        DQ       0    0.1   5000.

8550        KK  D2722A
8551        KM   RETRIEVAL OF SUB-BASIN DIVERSION
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8552          KM   SUB-BASIN 27-22N
8553          DR  D2722A

8554          KK  C2722A
8555          KM   SUB-BASIN COMBINE
8556          HC       3    16.4

8557          KK    PA43
8558          KM    STORAGE ROUTING
8559          KM    PONDING AREA IN THE VICINITY OF 43RD AVE
8560          KM    PRELIMINARY COMPUTATIONS BY WPA 6/96
8561          KM    CAPACITY OF SURFACE FLOW NORTH OF CANAL = 200 CFS
8562          KM    DIVERSION OF FLOW UNDER THE GRAND CANAL BY AN EXISTING STORM DRAIN SYSTEM
8563          KM    ESTIMATED STORM DRAIN CAPACITY(63") = 89 CFS
8564          KM    TOP OF CANAL BANK ELEVATION = 1108
8565          RS       1    ELEV      -1   1104.
8566          SV       0    0.01      .1    .645    4.77    6.79   29.76     33.
8567          SE    1104  1104.1    1105    1106  1106.8    1107    1108   1109.
8568          SQ       0      89      89      89      89     289     289   2289.

8569          KK     D43
8570          KM    FLOW DIVERSION AT 43RD AVE
8571          KM    DIVERSION TO SOUTH
8572          KM    PRELIMINARY COMPUTATIONS BY WPA 6/96
8573          KM    CAPACITY OF SURFACE FLOW NORTH OF CANAL = 200 CFS
8574          KM    DIVERSION OF FLOW SOUTH UNDER THE GRAND CANAL BY EXIST. STORM DRAIN SYSTEM
8575          KM    ESTIMATED STORM DRAIN CAPACITY(63") = 89 CFS
8576          DT    D43S
8577          DI       0     89.    289.   2289.
8578          DQ       0     89.     89.   2089.

8579          KK  R2822W
8580          KM   SUB-BASIN STREET ROUTE
8581          KM   WEST
8582          KM   RW= 150'
8583          KM   PAV= 105'
8584          RS       5    FLOW     -1.
8585          RC    0.02   0.016    0.02   2640.  0.0008
8586          RX       0     0.1    22.5    32.5   117.5   127.5    150.   150.1
8587          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

8588          KK   SIS2S
8589          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
8590          KM   INDIAN SCHOOL
8591          DR   SIS2S

8592          KK  SIS2SA
8593          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
8594          KM   RETRIEVE DIVERT JUST EAST OF SIS2
8595          KM   INDIAN SCHOOL
8596          DR  SIS2SA

8597          KK  C2822A
8598          KM   COMBINE
8599          HC       2    18.3

8600          KK  R2822S
8601          KM   SUB-BASIN STREET ROUTE
8602          KM   SOUTH
8603          KM   RW= 270'
8604          KM   PAV= 183'
8605          RS       2    FLOW     -1.
```

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8606          RC    0.02   0.016    0.02   2250.  0.0046
8607          RX       0     0.1    43.5    53.5   216.5   226.5    270.   270.1
8608          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

8609          KK  28-22N
8610          KM   SUB-BASIN 28-22N
8611          KM   6-HOUR RAINFALL, PATTERN NO. 1.00 WAS USED TO FIND TC & R FOR THIS BASIN
8612          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .994
8613          KM     L =  .71  Kb = .077  Adj. Slope =   14.0
8614          BA    .452
8615          LG    .220    .240   5.100    .320  41.000
8616          UC    .842    .365
8617          UA       0       5      16      30      65      77      84      90      94      97
8618          UA     100

8619          KK   S43GW
8620          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
8621          KM   43RD AVENUE
8622          DR   S43GW

8623          KK  C2822N
8624          KM   SUB-BASIN COMBINE
8625          HC       3    18.3

8626          KK  D2822N
8627          KM   SUB-BASIN DIVERSION
8628          KM   SUB-BASIN 28-22N
8629          KM   74% WEST & 26% SOUTH
8630          KM   DIVERSION IS TO THE WEST
8631          KM   MAIN COMPUTATION PATH IS TO THE SOUTH
8632          DT  D2822A
8633          DI       0  10000.
8634          DQ       0   7400.
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

8635          KK  C2822D
8636          KM   SUB-BASIN COMBINE
8637          HC       2    18.3

8638          KK    PA47        STORAGE ROUTING AT 47TH AVE
8639          KM    PONDING AREA IN THE VICINITY OF 47TH AVE
8640          KM    PRELIMINARY COMPUTATIONS BY WPA 6/96
8641          KM    CAPACITY OF FLOW NORTH OF CANAL = 300 CFS+(STORM DRAIN CAP)105CFS PER CVL
8642          KM    DIVERSION OF FLOW OVER THE CANAL BANKS
8643          KM    TOP OF CANAL BANK ELEV = 1105
8644          RS       1    FLOW      -1
8645          SV       0    0.01    4.04    6.31   28.74
8646          SE    1104  1104.1  1104.8    1105    1106
8647          SQ       0     105     338     405    2405

8648          KK     D47
8649          KM    DIVERSION AT 47TH AVE
8650          KM    PRELIMINARY COMPUTATIONS BY WPA 6/96
8651          KM    AN EXISTING STORM DRAIN SYSTEM CONVEYS FLOW TO THE WEST ONLY
8652          KM    CAPACITY OF FLOW NORTH OF CANAL = 300 CFS+(STORM DRAIN CAP)105CFS PER CVL
8653          KM    DIVERSION OF FLOW OVER THE CANAL BANKS
8654          DT    D47S
8655          DI       0     405   2405.
8656          DQ       0     0.1   2000.

8657          KK   D51IS
8658          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
8659          KM   51ST & INDIAN SCHOOL
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8660          DR   D51IS

8661          KK   R51M
8662          KM   STREET ROUTE
8663          KM   SOUTH
8664          KM   51ST Avenue
8665          RS      2    FLOW     -1.
8666          RC   0.02   0.016    0.02   2500.  0.0038
8667          RX   44.9     45.     66.    66.1    134.   134.1    155.   155.1
8668          RY    4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

8669          KK   S51HS
8670          KM   STREET CAPACITY DIVERSION
8671          KM   50/50 SPLIT
8672          KM   51ST
8673          KM   DIVERSION TO WEST
8674          KM   STORM DRAIN ALONG 51ST AVE
8675          KM   CAP= 207.0 CFS SOUTH
8676          DT   S51HW
8677          DI      0    207.  10207.
8678          DQ      0     0.1   5000.
1                                   HEC-1 INPUT                                          PAGE193

LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


8679          KK  D2822A
8680          KM   RETRIEVAL OF SUB-BASIN DIVERSION
8681          KM   SUB-BASIN 28-22N
8682          DR  D2822A

8683          KK  C2822B
8684          KM   SUB-BASIN COMBINE
8685          HC      3    18.3

8686          KK    PA51        STORAGE ROUTING
8687          KM    PONDING AREA IN THE VICINITY OF 51ST AVE
8688          KM    PRELIMINARY COMPUTATIONS BY WPA 6/96
8689          KM    CAPACITY OF SURFACE FLOW NORTH OF CANAL =  50 CFS
8690          KM    DIVERSION OF FLOW UNDER THE GRAND CANAL BY AN EXISTING STORM DRAIN SYSTEM
8691          KM    ESTIMATED STORM DRAIN CAPACITY(72") =281 CFS
8692          KM    TOP OF CANAL BANK ELEV = 1105.5
8693          RS      1    FLOW      -1
8694          SV      0    0.01    4.81   23.30    40.5   57.73
8695          SE   1103  1103.1    1104    1105  1105.5    1106
8696          SQ      0     281     306     331    331.   2231.

8697          KK     D51
8698          KM    D51S-51ST AVE. STORM DRAIN DIVERSION TO THE SOUTH
8699          KM    PONDING AREA IN THE VICINITY OF 51ST AVE
8700          KM    PRELIMINARY COMPUTATIONS BY WPA 6/96
8701          KM    CAPACITY OF SURFACE FLOW NORTH OF CANAL =  50 CFS
8702          KM    DIVERSION OF FLOW UNDER THE GRAND CANAL BY AN EXISTING STORM DRAIN SYSTEM
8703          KM    ESTIMATED STORM DRAIN CAPACITY(72") =281 CFS
8704          KM    TOP OF CANAL BANK ELEV = 1105.5
8705          DT    D51S
8706          DI      0     281    2231
8707          DQ      0     281    2181

8708          KK   SIS3S
8709          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
8710          KM   INDIAN SCHOOL
8711          DR   SIS3S

8712          KK  R2922S
8713          KM   SUB-BASIN STREET ROUTE
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1C/14PRINT

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8714          KM   SOUTH
8715          KM   RW= 270'
8716          KM   PAV= 183'
8717          RS      2    FLOW     -1.
8718          RC   0.02   0.016    0.02   2040.  0.0043
8719          RX      0     0.1    43.5    53.5   216.5   226.5    270.   270.1
8720          RY    4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

8721          KK  29-22N
8722          KM   SUB-BASIN 29-22N
8723          KM   6-HOUR RAINFALL, PATTERN NO. 1.00 WAS USED TO FIND TC & R FOR THIS BASIN
8724          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .995
8725          KM     L =  .65  Kb = .058  Adj. Slope =   17.0
8726          BA    .414
1                                        HEC-1 INPUT                                          PAGE194

LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

8727          LG    .210    .280   6.200    .180  30.000
8728          UC    .579    .236
8729          UA       0       5      16      30      65      77      84      90      94      97
8730          UA     100

8731          KK  C2922N
8732          KM   SUB-BASIN COMBINE
8733          HC       2    24.9

8734          KK  D2922N
8735          KM   SUB-BASIN DIVERSION
8736          KM   SUB-BASIN 29-22N
8737          KM   54% WEST & 46% SOUTH
8738          KM   DIVERSION IS TO THE WEST
8739          KM   MAIN COMPUTATION PATH IS TO THE SOUTH
8740          DT  D2922A
8741          DI       0  10000.
8742          DQ       0   5400.

8743          KK   S51HW
8744          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
8745          KM   51ST AVENUE
8746          DR   S51HW

8747          KK  C2922B
8748          KM   SUB-BASIN COMBINE
8749          HC       3    25.8

8750          KK    PA55        STORAGE ROUTING
8751          KM    PONDING AREA IN THE VICINITY OF 55TH AVE
8752          KM    PRELIMINARY COMPUTATIONS BY WPA 6/96
8753          KM    CAPACITY OF SURFACE FLOW NORTH OF CANAL =  50 CFS
8754          KM    AN EXISTING STORM DRAIN SYSTEM CONVEYS FLOW TO THE WEST ONLY
8755          KM    DIVERSION OF FLOW OVER THE GRAND CANAL
8756          KM    STORM DRAIN CAPACITY WEST = 74 CFS PER CVL
8757          KM    TOP OF CANAL BANK ELEV = 1103
8758          RS       1    FLOW     -1
8759          SV       0    0.01     .04     .08    5.56   12.08   20.80    22.9
8760          SE    1100  1100.1  1100.7    1101    1102  1102.5    1103   1104.
8761          SQ       0      74      87      93     114     124     124    629.

8762          KK     D55
8763          KM    FLOW DIVERSION TO SOUTH
8764          KM    PRELIMINARY COMPUTATIONS BY WPA 6/96
8765          KM    CAPACITY OF SURFACE FLOW NORTH OF CANAL =  50 CFS
8766          KM    AN EXISTING STORM DRAIN SYSTEM CONVEYS FLOW TO THE WEST ONLY
8767          KM    DIVERSION OF FLOW OVER THE GRAND CANAL
8768          KM    STORM DRAIN CAPACITY WEST = 74 CFS PER CVL
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8769        KM    TOP OF CANAL BANK ELEV = 1103
8770        DT    D55S
8771        DI       0      74    124.    629.
8772        DQ       0      0.1    0.2    505.
```



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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

8773        KK   D591S
8774        KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
8775        KM   59TH & INDIAN SCHOOL
8776        DR   D591S

8777        KK   S59HS
8778        KM   STREET CAPACITY DIVERSION
8779        KM   59TH AVENUE
8780        KM   DIVERSION TO WEST
8781        KM   50/50 SPLIT
8782        KM   STORM DRAIN ALONG 59TH AVE
8783        KM   CAP= 359.0 CFS SOUTH
8784        DT   S59HW
8785        DI       0    359.  10359.
8786        DQ       0     0.1   5000.

8787        KK  D2922A
8788        KM   RETRIEVAL OF SUB-BASIN DIVERSION
8789        KM   SUB-BASIN 29-22N
8790        DR  D2922A

8791        KK  C2922A
8792        KM   COMBINE
8793        HC       3    25.8

8794        KK    PA59        STORAGE ROUTING
8795        KM    PONDING AREA IN THE VICINITY OF 43RD AVE
8796        KM    DATA BASED ON HEC-1 BY CVL(4/96) FOR FCD 93-34
8797        KM    DIVERSION OF FLOW UNDER THE GRAND CANAL BY AN EXISTING STORM DRAIN SYSTEM
8798        KM    ESTIMATED STORM DRAIN CAPACITY(72") = 220 CFS
8799        KM    SEE CVL COMPUTATION SHEETS IN APPENDIX
8800        RS       1    FLOW      -1
8801        SV       0    0.01    2.31    9.93   15.88   46.45
8802        SE    1099  1099.1    1100  1100.8    1101    1102
8803        SQ       0     220     220     267     378    2689

8804        KK     D59        FLOW DIVERSION
8805        KM    PONDING AREA IN THE VICINITY OF 59TH AVE
8806        KM    DATA BASED ON HEC-1 BY CVL(4/96) FOR FCD 93-34
8807        KM    FLOW OVER GRAND CANAL BANKS
8808        KM    DIVERT IS TO THE SOUTH
8809        DT    D59S
8810        DI       0     272     378    2689
8811        DQ       0     272     272    1030

8812        KK   SIS4S
8813        KM   RETRIEVAL OF STREET CAPACITY DIVERSION
8814        KM   INDIAN SCHOOL
8815        DR   SIS4S
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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

8816        KK  R3022S
8817        KM   SUB-BASIN STREET ROUTE
8818        KM   SOUTH
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8819          KM   RW= 100'
8820          KM   PAV= 70'
8821          RS       2    FLOW     -1.
8822          RC    0.02   0.016    0.02   2250.  0.0037
8823          RX       0     0.1    15.0    25.0    75.0    85.0    100.   100.1
8824          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

8825          KK  30-22N
8826          KM   SUB-BASIN 30-22N
8827          KM   6-HOUR RAINFALL, PATTERN NO. 1.00 WAS USED TO FIND TC & R FOR THIS BASIN
8828          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .998
8829          KM     L =  .82  Kb = .092  Adj. Slope =   14.0
8830          BA    .162
8831          LG    .230    .150   7.000    .150  34.000
8832          UC   1.013    .903
8833          UA       0       5      16      30      65      77      84      90      94      97
8834          UA     100

8835          KK   S59HW
8836          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
8837          KM   59TH
8838          DR   S59HW

8839          KK  C3022N
8840          KM   SUB-BASIN COMBINE
8841          HC       4    34.1

8842          KK    PA63        STORAGE ROUTING AT 63RD AVE
8843          KM    PONDING AREA IN THE VICINITY OF 63RD AVE
8844          KM    DATA BASED ON HEC-1 BY CVL(4/96) FOR FCD 93-34
8845          KM    DIVERSION OF FLOW UNDER THE GRAND CANAL BY AN EXISTING STORM DRAIN SYSTEM
8846          KM    AND/OR OVER THE GRAND CANAL BANKS
8847          KM    ESTIMATED STORM DRAIN CAPACITY(42") = 52 CFS
8848          KM    SEE CVL COMPUTATION SHEETS IN APPENDIX
8849          RS       1    FLOW     -1
8850          SV       0    0.30    1.27    3.89   10.16   34.71
8851          SE    1096  1097.0  1097.2  1097.5    1098    1099
8852          SQ       0      52    52.1    52.2     219    3220

8853          KK     D63
8854          KM    100% FLOW DIVERTED SOUTH
8855          KM    COMPUTATION PATH WEST ALONG NORTH SIDE OF GRAND CANAL IS TERMINATED
8856          KM    COMPUTATION PATH TO WEST IS COLLECTED @ THOMAS & 67 INTERSECTION COMBINE
8857          DT    D63S
8858          DI       0.  10000.
8859          DQ       0.  10000.
              *
              *  MAIN THOMAS ROAD (SOUTH OF GRAND CANAL) COMPUTATIONAL PATH
              *
1                                        HEC-1 INPUT                                        PAGE197

LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


8860          KK    D26S
8861          KM   RETRIEVE FLOW FROM DIVERT D26W, FROM RES26T
8862          KM   SUB-BASIN 26-22E
8863          DR    D26S

8864          KK  R2622S
8865          KM   SUB-BASIN STREET ROUTE
8866          KM   SOUTH
8867          KM   RW= 150'
8868          KM   PAV= 105'
8869          RS       3    FLOW     -1.
8870          RC    0.02   0.016    0.02   3710.  0.0042
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8871    RX      0     0.1    22.5    32.5   117.5   127.5    150.   150.1
8872    RY    4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

8873    KK  26-22E
8874    KM   SUB-BASIN 26-22E
8875    KM   6-HOUR RAINFALL, PATTERN NO. 1.00 WAS USED TO FIND TC & R FOR THIS BASIN
8876    KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .995
8877    KM     L =  .84  Kb = .040  Adj. Slope =   19.0
8878    BA    .384
8879    LG    .160    .150   8.400    .090  53.000
8880    UC    .479    .245
8881    UA      0       5      16      30      65      77      84      90      94      97
8882    UA    100

8883    KK  C2622E
8884    KM   SUB-BASIN COMBINE
8885    HC       2  12.141

8886    KK  RES26E
8887    KM   PONDING AREA RESERVOIR ROUTE
8888    KM   PONDING AREA NORTHEAST OF GRAND AVENUE/RR EMBANKMENT
8889    KM   SUB-BASIN 26-22E
8890    RS       1    FLOW      0.
8891    SV       0     0.1   13.20   45.92   91.09  149.48
8892    SE   1095.   1096.   1097.   1098.   1099.   1100.
8893    SQ      0.    160.    160     376.   1056.   6078.

8894    KK   DTR27
8895    KM   DIVERSION IN SUB-BASIN 26-22E
8896    KM   0% West & 100% South
8897    KM   THIS DIVERT IS TO MAINTAIN THE COMPUTATION PATH TO THE WEST
8898    KM   MAIN PATH CONTINUES TO THE WEST TO C2622S
8899    KM   DIVERSION SOUTH
8900    KM   STORM DRAIN ALONG 27TH AVE
8901    KM   CAP= 160.0 CFS SOUTH
8902    KM   STORM DRAIN ALONG THOMAS RD.
8903    KM   CAP=  33.0 CFS WEST
8904    DT   D27TR
8905    DI       0    193.  10193.
8906    DQ       0    160.  10160.
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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

8907        KK  26-22S
8908        KM   SUB-BASIN 26-22S
8909        KM   6-HOUR RAINFALL, PATTERN NO. 1.00 WAS USED TO FIND TC & R FOR THIS BASIN
8910        KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .995
8911        KM     L =  .48  Kb = .026  Adj. Slope =   22.0
8912        BA    .393
8913        LG    .150    .150   8.000    .110  56.000
8914        UC    .237    .071
8915        UA      0       5      16      30      65      77      84      90      94      97
8916        UA    100

8917        KK  D2622S
8918        KM   SUB-BASIN DIVERSION
8919        KM   SUB-BASIN 26-22S
8920        KM   24% West & 76% South
8921        DT  D2622W
8922        DI       0  10000.
8923        DQ       0   2400.

8924        KK  SD31DS
8925        KM   RETRIEVAL OF STORM DRAIN DIVERSION ALONG 31ST AVENUE
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K/14PRINT

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8926          DR  SD31DS

8927          KK  C2622S
8928          KM   SUB-BASIN COMBINE
8929          KM   COMBINES FLOW FROM D26W, SD31DS, & D2622Q
8930          HC       3   0.392

8931          KK   STR1W
8932          KM   STREET CAPACITY DIVERSION
8933          KM   THOMAS
8934          KM   DIVERSION TO SOUTH
8935          KM   STORM DRAIN ALONG THOMAS ROAD
8936          KM   CAP=   8.0 CFS WEST
8937          KM   STORM DRAIN ALONG 31ST AVE.
8938          KM   CAP= 237.0 CFS SOUTH
8939          DT   STR1S
8940          DI       0    259.    295.   1223.   1928.
8941          DQ       0    237.    269.    978.   1516.

8942          KK    RTR1
8943          KM   STREET ROUTE
8944          KM   WEST
8945          KM   THOMAS
8946          RS       6    FLOW     -1.
8947          RC    0.02   0.016    0.02   2640.  0.0006
8948          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
8949          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
1                                          HEC-1 INPUT                                                    PAGE199

LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


8950          KK  SD35DS
8951          KM   RETRIEVAL OF STORM DRAIN DIVERSION ALONG 35TH AVENUE
8952          DR  SD35DS

8953          KK  26-22W
8954          KM   SUB-BASIN 26-22W
8955          KM   6-HOUR RAINFALL, PATTERN NO. 1.00 WAS USED TO FIND TC & R FOR THIS BASIN
8956          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .999
8957          KM     L =  .43  Kb = .029  Adj. Slope =   13.0
8958          BA    .079
8959          LG    .140    .240   4.300    .530  57.000
8960          UC    .300    .210
8961          UA       0       5      16      30      65      77      84      90      94      97
8962          UA     100

8963          KK  D2622W
8964          KM   RETRIEVAL OF SUB-BASIN DIVERSION
8965          KM   SUB-BASIN 26-22S
8966          DR  D2622W

8967          KK    C35E
8968          KM   NORTH/SOUTH STREET COMBINE
8969          KM   35TH AVENUE
8970          HC       3   0.471

8971          KK   S35DS
8972          KM   STREET CAPACITY DIVERSION
8973          KM   35TH AVENUE
8974          KM   DIVERSION TO WEST
8975          KM   STORM DRAIN ALONG 35TH AVE
8976          KM   CAP=  63.0 CFS SOUTH
8977          DT   S35DW
8978          DI       0    103.    138.   1306.   2194.
8979          DQ       0     0.1     24.    565.    975.
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8980          KK    R35J
8981          KM   STREET ROUTE
8982          KM   SOUTH
8983          KM   35TH Avenue
8984          RS       2    FLOW     -1.
8985          RC    0.02   0.016    0.02   2640.  0.0049
8986          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
8987          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

8988          KK   CTR35
8989          KM   INTERSECTION COMBINE
8990          KM   THOMAS & 35TH
8991          HC       2   0.471
1                                   HEC-1 INPUT                                          PAGE200

LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

8992          KK   DTR35
8993          KM   STREET INTERSECTION DIVERSION
8994          KM   THOMAS & 35TH
8995          KM   22% West & 78% South
8996          KM   DIVERSION SOUTH
8997          KM   STORM DRAIN ALONG 35TH AVE
8998          KM   CAP=  63.0 CFS SOUTH
8999          KM   STORM DRAIN ALONG THOMAS RD.
9000          KM   CAP=  20.0 CFS WEST
9001          DT   D35TR
9002          DI       0     83.  10083.
9003          DQ       0     63.   7863.

9004          KK    RTR2
9005          KM   STREET ROUTE
9006          KM   WEST
9007          KM   THOMAS
9008          RS       6    FLOW     -1.
9009          RC    0.02   0.016    0.02   2640.  0.0006
9010          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
9011          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

9012          KK    D39S
9013          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
9014          KM   39TH AVENUE AT GRAND CANAL
9015          DR    D39S

9016          KK  R2722A
9017          KM   SUB-BASIN STREET ROUTE
9018          KM   SOUTH
9019          KM   RW= 220'
9020          KM   PAV= 148'
9021          RS       3    FLOW     -1.
9022          RC    0.02   0.016    0.02   3550.  0.0040
9023          RX       0     0.1    36.0    46.0   174.0   184.0    220.   220.1
9024          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

9025          KK  27-22S
9026          KM   SUB-BASIN 27-22S
9027          KM   6-HOUR RAINFALL, PATTERN NO. 1.13 WAS USED TO FIND TC & R FOR THIS BASIN
9028          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .992
9029          KM     L =  .94  Kb = .072  Adj. Slope =   14.0
9030          BA    .631
9031          LG    .220    .150   8.800    .070  39.000
9032          UC    .913    .414
9033          UA       0       5      16      30      65      77      84      90      94      97
9034          UA     100
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9035          KK   S35DW
9036          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
9037          KM   35TH AVENUE
9038          DR   S35DW
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

9039          KK  R2722B
9040          KM   SUB-BASIN STREET ROUTE
9041          KM   WEST
9042          KM   RW= 120'
9043          KM   PAV= 78'
9044          RS      10    FLOW     -1.
9045          RC    0.02   0.016    0.02   5300.  0.0009
9046          RX       0     0.1    21.0    31.0    89.0    99.0    120.   120.1
9047          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

9048          KK  C2722S
9049          KM   SUB-BASIN COMBINE
9050          HC       3  12.139

9051          KK  D2722S
9052          KM   SUB-BASIN DIVERSION
9053          KM   SUB-BASIN 27-22S
9054          KM   8% West & 92% South
9055          KM   DIVERSION WEST
9056          KM   STORM DRAIN ALONG 39TH AVE
9057          KM   CAP= 286.0 CFS SOUTH
9058          DT  D2722W
9059          DI       0    286.    486.    786.   1286.   2286.
9060          DQ       0     0.1     16.     40.     80.    160.

9061          KK    CTR1
9062          KM   EAST/WEST STREET COMBINE
9063          HC       2  12.139

9064          KK   STR2W
9065          KM   STREET CAPACITY DIVERSION
9066          KM   THOMAS
9067          KM   DIVERSION TO SOUTH
9068          KM   STORM DRAIN ALONG 39TH AVE.
9069          KM   CAP= 286.0 CFS SOUTH
9070          DT   STR2S
9071          DI       0    286.    298.    332.   1221.   1895.
9072          DQ       0    286.    286.    318.   1027.   1565.

9073          KK    RTR3
9074          KM   STREET ROUTE
9075          KM   WEST
9076          KM   THOMAS
9077          RS      16    FLOW     -1.
9078          RC    0.02   0.016    0.02   2660.  0.0001
9079          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
9080          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

9081          KK    D43S
9082          KM   RETRIEVAL OF DIVERSION D43
9083          KM   43RD & GRAND CANAL
9084          DR    D43S
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10
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9085          KK  D2722W
9086          KM   RETRIEVAL OF SUB-BASIN DIVERSION
9087          KM   SUB-BASIN 27-22W
9088          DR  D2722W

9089          KK    C43F
9090          KM   NORTH/SOUTH STREET COMBINE
9091          KM   43RD AVENUE
9092          HC       2  12.139

9093          KK   S43HS
9094          KM   STREET CAPACITY DIVERSION
9095          KM   43RD AVENUE
9096          KM   DIVERSION TO WEST
9097          KM   STORM DRAIN ALONG 43RD AVE
9098          KM   CAP=  89.0 CFS SOUTH
9099          DT   S43HW
9100          DI       0    131.    212.   2426.   4108.
9101          DQ       0     0.1     70.   1624.   2802.

9102          KK    R43M
9103          KM   STREET ROUTE
9104          KM   SOUTH
9105          KM   43RD Avenue
9106          RS       2    FLOW     -1.
9107          RC    0.02   0.016    0.02   2640.  0.0039
9108          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
9109          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

9110          KK   CTR43
9111          KM   INTERSECTION COMBINE
9112          KM   THOMAS & 43RD
9113          HC       2  12.139

9114          KK   DTR43
9115          KM   STREET INTERSECTION DIVERSION
9116          KM   THOMAS & 43RD
9117          KM   19% West & 81% South
9118          KM   DIVERSION SOUTH
9119          KM   STORM DRAIN ALONG 43RD AVE
9120          KM   CAP= 262.0 CFS SOUTH
9121          DT   D43TR
9122          DI       0    262.  10262.
9123          DQ       0    262.   8362.

9124          KK    D51S
9125          KM   RETRIEVAL OF PONDING AREA DIVERSION
9126          KM   51ST @ GRAND CANAL
9127          DR    D51S
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

9128          KK    D47S
9129          KM   RETRIEVAL OF PONDING AREA DIVERSION
9130          KM   47TH @ GRAND CANAL
9131          DR    D47S

9132          KK  C2822C
9133          KM   SUB-BASIN COMBINE
9134          HC       2  18.316

9135          KK  R2822A
9136          KM   SUB-BASIN STREET ROUTE
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9137          KM   EAST
9138          KM   RW= 220'
9139          KM   PAV= 148'
9140          RS       3    FLOW     -1.
9141          RC    0.02   0.016    0.02   2760.  0.0030
9142          RX       0     0.1    36.0    46.0   174.0   184.0    220.   220.1
9143          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

9144          KK  28-22S
9145          KM   SUB-BASIN 28-22S
9146          KM   6-HOUR RAINFALL, PATTERN NO. 1.05 WAS USED TO FIND TC & R FOR THIS BASIN
9147          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .993
9148          KM     L =  .69  Kb = .083  Adj. Slope =   15.0
9149          BA    .543
9150          LG    .240    .190   6.600    .180  33.000
9151          UC    .825    .315
9152          UA       0       5      16      30      65      77      84      90      94      97
9153          UA     100

9154          KK  C2822S
9155          KM   SUB-BASIN COMBINE
9156          HC       2  18.859

9157          KK  D2822S
9158          KM   SUB-BASIN DIVERSION
9159          KM   SUB-BASIN 28-22S
9160          KM   2% West & 98% South
9161          DT  D2822W
9162          DI       0  10000.
9163          DQ       0    200.

9164          KK   S43HW
9165          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
9166          KM   43RD AVENUE
9167          DR   S43HW

9168          KK  R2822B
9169          KM   SUB-BASIN STREET ROUTE
9170          KM   WEST
9171          KM   RW= 220'
9172          KM   PAV= 148'
9173          RS      10    FLOW     -1.
9174          RC    0.02   0.016    0.02   7290.  0.0017
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

9175          RX       0     0.1    36.0    46.0   174.0   184.0    220.   220.1
9176          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

9177          KK    CTR2
9178          KM   EAST/WEST STREET COMBINE
9179          HC       3  19.961

9180          KK   STR3W
9181          KM   STREET CAPACITY DIVERSION 50/50 SPLIT
9182          KM   THOMAS
9183          KM   DIVERSION TO SOUTH
9184          DT   STR3S
9185          DI       0    100.   1000.  10000.
9186          DQ       0     50.    500.   5000.

9187          KK   STR4W
9188          KM   STREET CAPACITY DIVERSION
9189          KM   THOMAS
9190          KM   DIVERSION TO SOUTH
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```
9191          DT   STR4S
9192          DI       0     12.     47.    945.   1626.
9193          DQ       0    0.1     32.    741.   1279.

9194          KK    RTR4
9195          KM   STREET ROUTE
9196          KM   WEST
9197          KM   THOMAS
9198          RS       5    FLOW     -1.
9199          RC    0.02   0.016    0.02   2820.  0.0009
9200          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
9201          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

9202          KK  D2822W
9203          KM   RETRIEVAL OF SUB-BASIN DIVERSION
9204          KM   SUB-BASIN 28-22W
9205          DR  D2822W

9206          KK   S51IS
9207          KM   STREET CAPACITY DIVERSION
9208          KM   51ST AVENUE
9209          KM   DIVERSION TO WEST
9210          KM   STORM DRAIN ALONG 51ST AVE
9211          KM   CAP= 281.0 CFS SOUTH
9212          DT   S51IW
9213          DI       0    320.    369.   1852.   2978.
9214          DQ       0     0.1     40.    918.   1584.

9215          KK    R51N
9216          KM   STREET ROUTE
9217          KM   SOUTH
9218          KM   51ST Avenue
9219          RS       2    FLOW     -1.
9220          RC    0.02   0.016    0.02   2570.  0.0040
9221          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
9222          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

9223          KK   CTR51
9224          KM   INTERSECTION COMBINE
9225          KM   THOMAS & 51ST
9226          HC       2  19.961

9227          KK   DTR51
9228          KM   STREET INTERSECTION DIVERSION
9229          KM   THOMAS & 51ST
9230          KM   39% West & 61% South
9231          KM   DIVERSION SOUTH
9232          KM   STORM DRAIN ALONG 51ST AVE
9233          KM   CAP= 281.0 CFS SOUTH
9234          DT   D51TR
9235          DI       0    281.  10281.
9236          DQ       0    281.   6381.

9237          KK    RTR5
9238          KM   STREET ROUTE
9239          KM   WEST
9240          KM   THOMAS
9241          RS       4    FLOW     -1.
9242          RC    0.02   0.016    0.02   2720.  0.0014
9243          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
9244          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
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K/L/4PRINT

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9245          KK    D55S
9246          KM   RETRIEVAL OF DIVERSION AT 55TH & GRAND CANAL
9247          DR    D55S

9248          KK  R2922A
9249          KM   SUB-BASIN STREET ROUTE
9250          KM   SOUTH
9251          KM   RW= 270'
9252          KM   PAV= 183'
9253          RS       2    FLOW     -1.
9254          RC    0.02   0.016    0.02   2890.  0.0050
9255          RX       0     0.1    43.5    53.5  216.5   226.5    270.   270.1
9256          RY     4.0     0.0     0.0     0.0    0.0     0.0     0.0     4.0

9257          KK  29-22S
9258          KM   SUB-BASIN 29-22S
9259          KM   6-HOUR RAINFALL, PATTERN NO. 1.10 WAS USED TO FIND TC & R FOR THIS BASIN
9260          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .992
9261          KM     L =  .79  Kb = .079  Adj. Slope =   16.0
9262          BA    .594
9263          LG    .230    .190   6.600    .190  36.000
9264          UC    .854    .346
9265          UA       0       5      16      30      65      77      84      90      94      97
9266          UA     100
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

9267          KK   S51IW
9268          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
9269          KM   51ST
9270          DR   S51IW

9271          KK  R2922B
9272          KM   SUB-BASIN STREET ROUTE
9273          KM   WEST
9274          KM   RW= 270'
9275          KM   PAV= 183'
9276          RS       9    FLOW     -1.
9277          RC    0.02   0.016    0.02   5300.  0.0011
9278          RX       0     0.1    43.5    53.5  216.5   226.5    270.   270.1
9279          RY     4.0     0.0     0.0     0.0    0.0     0.0     0.0     4.0

9280          KK  C2922S
9281          KM   SUB-BASIN COMBINE
9282          HC       3  26.898

9283          KK  D2922S
9284          KM   SUB-BASIN DIVERSION
9285          KM   SUB-BASIN 29-22S
9286          KM   27% West & 73% South
9287          DT  D2922W
9288          DI       0  10000.
9289          DQ       0   2700.

9290          KK    CTR3
9291          KM   EAST/WEST STREET COMBINE
9292          HC       2  27.999

9293          KK   STR5W
9294          KM   STREET CAPACITY DIVERSION
9295          KM   THOMAS
9296          KM   DIVERSION TO SOUTH
9297          KM   STORM DRAIN ALONG THOMAS ROAD
9298          KM   CAP=  26.0 CFS WEST
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167-4PRINT

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9299        DT   STR5S
9300        DI       0     48.     78.    967.   1641.
9301        DQ       0    0.1     24.    565.    975.

9302        KK    RTR6
9303        KM   STREET ROUTE
9304        KM   WEST
9305        KM   THOMAS
9306        RS       4    FLOW     -1.
9307        RC    0.02   0.016    0.02   2600.  0.0013
9308        RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
9309        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
1                                        HEC-1 INPUT                                                    PAGE207

LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


9310        KK    D59S
9311        KM   RETRIEVAL OF INTERSECTION DIVERSION FROM 59TH & GRAND CANAL
9312        DR    D59S

9313        KK    R59N
9314        KM   STREET ROUTE
9315        KM   SOUTH
9316        KM   59TH Avenue
9317        RS       1    FLOW     -1.
9318        RC    0.02   0.016    0.02   1130.  0.0053
9319        RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
9320        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

9321        KK  D2922W
9322        KM   RETRIEVAL OF SUB-BASIN DIVERSION
9323        KM   SUB-BASIN 29-22W
9324        DR  D2922W

9325        KK    C59G
9326        KM   NORTH/SOUTH STREET COMBINE
9327        KM   59TH AVENUE
9328        HC       2  26.898

9329        KK   S591S
9330        KM   STREET CAPACITY DIVERSION
9331        KM   59TH
9332        KM   DIVERSION TO WEST
9333        KM   STORM DRAIN ALONG 59TH AVE
9334        KM   CAP= 389.0 CFS SOUTH
9335        DT   S59IW
9336        DI       0    429.    501.   2501.   4020.
9337        DQ       0     0.1     62.   1447.   2497.

9338        KK    R59O
9339        KM   STREET ROUTE
9340        KM   SOUTH
9341        KM   59TH Avenue
9342        RS       2    FLOW     -1.
9343        RC    0.02   0.016    0.02   2620.  0.0038
9344        RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
9345        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

9346        KK   CTR59
9347        KM   INTERSECTION COMBINE
9348        KM   THOMAS & 59TH
9349        HC       2  27.999

9350        KK   DTR59
9351        KM   STREET INTERSECTION DIVERSION
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9352          KM   THOMAS & 59TH
9353          KM   40% West & 60% South
9354          KM   DIVERSION SOUTH
9355          KM   STORM DRAIN ALONG 59TH AVE
9356          KM   CAP= 389.0 CFS SOUTH
1                                   HEC-1 INPUT                                          PAGE208

LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

9357          DT   D59TR
9358          DI       0    389.  10389.
9359          DQ       0    389.   6389.

9360          KK    RTR7
9361          KM   STREET ROUTE
9362          KM   WEST
9363          KM   THOMAS
9364          RS       4    FLOW     -1.
9365          RC    0.02   0.016    0.02   2630.  0.0015
9366          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
9367          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

9368          KK    D63S
9369          KM   RETRIEVAL OF FLOW FROM PA63
9370          DR    D63S

9371          KK  R3022A
9372          KM   SUB-BASIN STREET ROUTE
9373          KM   SOUTH
9374          KM   RW= 170'
9375          KM   PAV= 113'
9376          RS       4    FLOW     -1.
9377          RC    0.02   0.016    0.02   4000.  0.0039
9378          RX       0     0.1    28.5    38.5   131.5   141.5    170.   170.1
9379          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

9380          KK  30-22S
9381          KM   SUB-BASIN 30-22S
9382          KM   6-HOUR RAINFALL, PATTERN NO. 1.28 WAS USED TO FIND TC & R FOR THIS BASIN
9383          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .989
9384          KM     L = 1.19  Kb = .074  Adj. Slope =   16.0
9385          BA    .811
9386          LG    .230    .150   8.000    .100  35.000
9387          UC   1.071    .517
9388          UA       0       5      16      30      65      77      84      90      94      97
9389          UA     100

9390          KK   S591W
9391          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
9392          KM   59TH
9393          DR   S591W

9394          KK  R3022B
9395          KM   SUB-BASIN STREET ROUTE
9396          KM   WEST
9397          KM   RW= 370'
9398          KM   PAV= 253'
9399          RS       7    FLOW     -1.
9400          RC    0.02   0.016    0.02   5080.  0.0018
9401          RX       0     0.1    58.5    68.5   301.5   311.5    370.   370.1
9402          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0
1                                   HEC-1 INPUT                                          PAGE209

LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10
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9403          KK  C3022S
9404          KM   SUB-BASIN COMBINE
9405          HC       3  36.031

9406          KK  D3022S
9407          KM   SUB-BASIN DIVERSION
9408          KM   SUB-BASIN 30-22S
9409          KM   24% West & 76% South
9410          DT  D3022W
9411          DI       0  10000.
9412          DQ       0   2400.

9413          KK    CTR4
9414          KM   EAST/WEST STREET COMBINE
9415          KM   THOMAS
9416          HC       2  37.133

9417          KK   STR6W
9418          KM   STREET CAPACITY DIVERSION
9419          KM   THOMAS
9420          KM   DIVERSION TO SOUTH
9421          DT   STR6S
9422          DI       0     23.     61.   1126.   1935.
9423          DQ       0     0.1     32.    741.   1279.

9424          KK    RTR8
9425          KM   STREET ROUTE
9426          KM   WEST
9427          KM   THOMAS
9428          RS       4    FLOW     -1.
9429          RC    0.02   0.016    0.02   2520.  0.0013
9430          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
9431          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

9432          KK  D3022W
9433          KM   RETRIEVAL OF SUB-BASIN DIVERSION
9434          KM   SUB-BASIN 30-22S
9435          DR  D3022W

9436          KK   D67IS
9437          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
9438          KM   67TH AVE. AND INDIAN SCHOOL
9439          DR   D67IS

9440          KK   C67G1
9441          KM   NORTH/SOUTH STREET COMBINE
9442          KM   67TH AVE.
9443          HC       2   36.03
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

9444          KK   S67IS
9445          KM   STREET CAPACITY DIVERSION
9446          KM   67TH
9447          KM   DIVERSION TO WEST
9448          KM   STORM DRAIN ALONG 67TH AVE
9449          KM   CAP= 240.0 CFS SOUTH
9450          DT   S67IW
9451          DI       0    272.    312.   1519.   2437.
9452          DQ       0     0.1     32.    741.   1279.

9453          KK    R67O
9454          KM   STREET ROUTE
9455          KM   SOUTH
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1K7L4PRINT

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9456          KM   67TH Avenue
9457          RS       3    FLOW     -1.
9458          RC    0.02   0.016    0.02   2630.  0.0030
9459          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
9460          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

9461          KK   CTR67
9462          KM   INTERSECTION COMBINE
9463          KM   THIS COMBINE COLLECTS THE 0 CFS FLOW FROM D63 AND CLOSES THE
9464          KM   NORTH OF GRAND CANAL THOMAS RD. COMPUTATION PATH
9465          KM   THOMAS & 67TH
9466          HC       3  37.133

9467          KK   DTR67
9468          KM   STREET INTERSECTION DIVERSION
9469          KM   THOMAS & 67TH
9470          KM   40% West & 60% South
9471          KM   DIVERSION SOUTH
9472          KM   STORM DRAIN ALONG 67TH AVE
9473          KM   CAP= 240.0 CFS SOUTH
9474          DT   D67TR
9475          DI       0    240.  10240.
9476          DQ       0    240.   6240.

9477          KK    RTR9
9478          KM   STREET ROUTE
9479          KM   WEST
9480          KM   THOMAS
9481          RS       3    FLOW     -1.
9482          RC    0.02   0.016    0.02   2630.  0.0022
9483          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
9484          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

9485          KK   SIS5S
9486          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
9487          KM   INDIAN SCHOOL
9488          DR   SIS5S
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

9489          KK  R2521S
9490          KM   SUB-BASIN STREET ROUTE
9491          KM   SOUTH
9492          KM   RW= 120'
9493          KM   PAV= 78'
9494          RS       6    FLOW     -1.
9495          RC    0.02   0.016    0.02   5300.  0.0026
9496          RX       0     0.1    21.0    31.0    89.0    99.0    120.   120.1
9497          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

9498          KK   25-21
9499          KM   SUB-BASIN 25-21
9500          KM   6-HOUR RAINFALL, PATTERN NO. 1.40 WAS USED TO FIND TC & R FOR THIS BASIN
9501          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .987
9502          KM     L = 1.38  Kb = .065  Adj. Slope =   14.0
9503          BA   1.001
9504          LG    .220    .170   9.700    .060  32.000
9505          UC   1.146    .557
9506          UA       0       5      16      30      65      77      84      90      94      97
9507          UA     100

9508          KK   RET25
9509          KM   RETENTION BASIN DIVERSION
9510          KM   SUB-BASIN 25-21
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9511          KM    2% OF SUB-BASIN DRAINS TO RETENTION BASIN
9512          DT  D2521R   15.49
9513          DI       0  10000.
9514          DQ       0    200.

9515          KK   S67IW
9516          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
9517          KM   67TH
9518          DR   S67IW

9519          KK  R2521W
9520          KM   SUB-BASIN STREET ROUTE
9521          KM   WEST
9522          KM   RW= 220'
9523          KM   PAV= 148
9524          RS       6    FLOW     -1.
9525          RC    0.02   0.016    0.02   5390.  0.0027
9526          RX       0     0.1    36.0    46.0   174.0   184.0    220.   220.1
9527          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

9528          KK  C25-21
9529          KM   SUB-BASIN COMBINE
9530          HC       3  37.644

9531          KK  D2521S
9532          KM   SUB-BASIN DIVERSION
9533          KM   SUB-BASIN 25-21
9534          KM   24% West & 76% South
9535          DT  D2521W
9536          DI       0  10000.
1                                        HEC-1 INPUT                                                    PAGE212

LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

9537          DQ       0   2400.

9538          KK    CTR5
9539          KM   EAST/WEST STREET COMBINE
9540          HC       2  38.746

9541          KK   STR7W
9542          KM   STREET CAPACITY DIVERSION
9543          KM   THOMAS
9544          KM   DIVERSION TO SOUTH
9545          KM   STORM DRAIN ALONG THOMAS ROAD
9546          KM   CAP=  91.0 CFS WEST
9547          DT   STR7S
9548          DI       0    120.    152.   1150.   1908.
9549          DQ       0     0.1     24.    565.    975.

9550          KK   RTR10
9551          KM   STREET ROUTE
9552          KM   WEST
9553          KM   THOMAS
9554          RS       3    FLOW     -1.
9555          RC    0.02   0.016    0.02   2670.  0.0025
9556          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
9557          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

9558          KK   D75IS
9559          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
9560          KM   75TH & INDIAN SCHOOL
9561          DR   D75IS

9562          KK    R75P
9563          KM   STREET ROUTE
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9564          KM   SOUTH
9565          KM   75TH Avenue
9566          RS       3    FLOW     -1.
9567          RC    0.02   0.016    0.02   2670.  0.0030
9568          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
9569          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

9570          KK  D2521W
9571          KM   RETRIEVAL OF SUB-BASIN DIVERSION
9572          KM   SUB-BASIN 25-21
9573          DR  D2521W

9574          KK    C75G
9575          KM   NORTH/SOUTH STREET COMBINE
9576          KM   75TH AVENUE
9577          HC       2  37.644

9578          KK   S75JS
9579          KM   STREET CAPACITY DIVERSION
9580          KM   75TH
9581          KM   DIVERSION TO WEST
9582          KM   STORM DRAIN ALONG 75TH AVE
9583          KM   CAP= 328.0 CFS SOUTH
1                                   HEC-1 INPUT                                          PAGE213

LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

9584          DT   S75JW
9585          DI       0    359.    399.   1593.   2500.
9586          DQ       0     0.1     32.    741.   1279.

9587          KK    R75Q
9588          KM   STREET ROUTE
9589          KM   SOUTH
9590          KM   75TH Avenue
9591          RS       3    FLOW     -1.
9592          RC    0.02   0.016    0.02   2660.  0.0022
9593          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
9594          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

9595          KK   CTR75
9596          KM   INTERSECTION COMBINE
9597          KM   THOMAS & 75TH
9598          HC       2  38.746

9599          KK   DTR75
9600          KM   STREET INTERSECTION DIVERSION
9601          KM   THOMAS & 75TH
9602          KM   35% West & 65% South
9603          KM   DIVERSION SOUTH
9604          KM   STORM DRAIN ALONG 75TH AVE
9605          KM   CAP= 328.0 CFS SOUTH
9606          DT   D75TR
9607          DI       0    328.  10328.
9608          DQ       0    328.   6828.

9609          KK   RTR11
9610          KM   STREET ROUTE
9611          KM   WEST
9612          KM   THOMAS
9613          RS       3    FLOW     -1.
9614          RC    0.02   0.016    0.02   2600.  0.0029
9615          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
9616          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

9617          KK   SIS6S
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9618          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
9619          KM   INDIAN SCHOOL
9620          DR   SIS6S

9621          KK  R2621S
9622          KM   SUB-BASIN STREET ROUTE
9623          KM   SOUTH
9624          KM   RW= 370'
9625          KM   PAV= 253'
9626          RS       6    FLOW     -1.
9627          RC    0.02   0.016    0.02   5700.  0.0029
9628          RX       0     0.1    58.5    68.5   301.5   311.5    370.   370.1
9629          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0
1                                          HEC-1 INPUT                                                    PAGE214

LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


9630          KK   26-21
9631          KM   SUB-BASIN 26-21
9632          KM   6-HOUR RAINFALL, PATTERN NO. 1.40 WAS USED TO FIND TC & R FOR THIS BASIN
9633          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .987
9634          KM     L = 1.40  Kb = .074  Adj. Slope =   15.0
9635          BA    .990
9636          LG    .240    .160   7.000    .140  33.000
9637          UC   1.288    .645
9638          UA       0       5      16      30      65      77      84      90      94      97
9639          UA     100

9640          KK   S75JW
9641          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
9642          KM   75TH
9643          DR   S75JW

9644          KK  R2621W
9645          KM   SUB-BASIN STREET ROUTE
9646          KM   WEST
9647          KM   RW= 270'
9648          KM   PAV= 183'
9649          RS       6    FLOW     -1.
9650          RC    0.02   0.016    0.02   5280.  0.0024
9651          RX       0     0.1    43.5    53.5   216.5   226.5    270.   270.1
9652          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

9653          KK  C26-21
9654          KM   SUB-BASIN COMBINE
9655          HC       3  41.284

9656          KK  D2621S
9657          KM   SUB-BASIN DIVERSION
9658          KM   SUB-BASIN 26-21
9659          KM   26% West & 74% South
9660          DT  D2621W
9661          DI       0  10000.
9662          DQ       0   2600.

9663          KK    CTR6
9664          KM   EAST/WEST STREET COMBINE
9665          HC       2  41.284

9666          KK   STR8W
9667          KM   STREET CAPACITY DIVERSION
9668          KM   THOMAS
9669          KM   DIVERSION TO SOUTH
9670          DT   STR8S
9671          DI       0     31.     46.    690.   1180.
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9672        DQ      0     0.1      7.    177.    305.
1                                        HEC-1 INPUT                                                    PAGE215

LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


9673        KK   RTR12
9674        KM   STREET ROUTE
9675        KM   WEST
9676        KM   THOMAS
9677        RS       3    FLOW     -1.
9678        RC    0.02   0.016    0.02   2620.  0.0021
9679        RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
9680        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

9681        KK   D83IS
9682        KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
9683        KM   83RD & INDIAN SCHOOL
9684        DR   D83IS

9685        KK    R83P
9686        KM   STREET ROUTE
9687        KM   SOUTH
9688        KM   83RD Avenue
9689        RS       3    FLOW     -1.
9690        RC    0.02   0.016    0.02   2630.  0.0021
9691        RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
9692        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

9693        KK  D2621W
9694        KM   RETRIEVAL OF SUB-BASIN DIVERSION
9695        KM   SUB-BASIN 26-21
9696        DR  D2621W

9697        KK    C83H
9698        KM   NORTH/SOUTH STREET COMBINE
9699        KM   83RD AVENUE
9700        HC       2  57.035

9701        KK   S83IS
9702        KM   STREET CAPACITY DIVERSION
9703        KM   83RD
9704        KM   DIVERSION TO WEST
9705        KM   STORM DRAIN ALONG 83RD AVE
9706        KM   CAP= 243.0 CFS SOUTH
9707        DT   S83IW
9708        DI       0    272.    311.   1470.   2350.
9709        DQ       0     0.1     32.    741.   1279.

9710        KK    R83Q
9711        KM   STREET ROUTE
9712        KM   SOUTH
9713        KM   83RD Avenue
9714        RS       3    FLOW     -1.
9715        RC    0.02   0.016    0.02   2630.  0.0024
9716        RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
9717        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
1                                        HEC-1 INPUT                                                    PAGE216

LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


9718        KK   CTR83
9719        KM   INTERSECTION COMBINE
9720        KM   THOMAS & 83RD
9721        HC       2  56.347
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9722          KK   DTR83
9723          KM   STREET INTERSECTION DIVERSION
9724          KM   THOMAS & 83RD
9725          KM   35% West & 65% South
9726          KM   DIVERSION SOUTH
9727          KM   STORM DRAIN ALONG 83RD AVE
9728          KM   CAP= 243.0 CFS SOUTH
9729          DT   D83TR
9730          DI       0    243.  10243.
9731          DQ       0    243.   6743.

9732          KK   RTR13
9733          KM   STREET ROUTE
9734          KM   WEST
9735          KM   THOMAS
9736          RS       3    FLOW     -1.
9737          RC    0.02   0.016    0.02   2640.  0.0024
9738          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
9739          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

9740          KK   SIS7S
9741          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
9742          KM   INDIAN SCHOOL
9743          DR   SIS7S

9744          KK  R2721S
9745          KM   SUB-BASIN STREET ROUTE
9746          KM   SOUTH
9747          KM   RW= 220'
9748          KM   PAV= 148'
9749          RS       8    FLOW     -1.
9750          RC    0.02   0.016    0.02   5700.  0.0019
9751          RX       0     0.1    36.0    46.0   174.0   184.0    220.   220.1
9752          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

9753          KK   27-21
9754          KM   SUB-BASIN 27-21
9755          KM   6-HOUR RAINFALL, PATTERN NO. 1.40 WAS USED TO FIND TC & R FOR THIS BASIN
9756          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .987
9757          KM     L = 1.34  Kb = .073  Adj. Slope =   13.0
9758          BA   1.005
9759          LG    .290    .170   7.600    .120  23.000
9760          UC   1.346    .648
9761          UA       0       5      16      30      65      77      84      90      94      97
9762          UA     100
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

9763          KK   RET27
9764          KM   RETENTION BASIN DIVERSION
9765          KM   SUB-BASIN 27-21
9766          KM    5% OF SUB-BASIN DRAINS TO RETENTION BASIN
9767          DT  D2721R    2.36
9768          DI       0  10000.
9769          DQ       0    500.

9770          KK   S83IW
9771          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
9772          KM   83RD
9773          DR   S83IW

9774          KK  R2721W
9775          KM   SUB-BASIN STREET ROUTE
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9776          KM   WEST
9777          KM   RW= 220'
9778          KM   PAV= 148'
9779          RS       6    FLOW     -1.
9780          RC    0.02   0.016    0.02   5280.  0.0027
9781          RX       0     0.1    36.0    46.0   174.0   184.0    220.   220.1
9782          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

9783          KK  C27-21
9784          KM   SUB-BASIN COMBINE
9785          HC       3  65.566

9786          KK  D2721S
9787          KM   SUB-BASIN DIVERSION
9788          KM   SUB-BASIN 27-21
9789          KM   30% West & 70% South
9790          DT  D2721W
9791          DI       0  10000.
9792          DQ       0   3000.

9793          KK    CTR7
9794          KM   EAST/WEST STREET COMBINE
9795          HC       2  66.668

9796          KK   STR9W
9797          KM   STREET CAPACITY DIVERSION
9798          KM   THOMAS
9799          KM   DIVERSION TO SOUTH
9800          DT   STR9S
9801          DI       0     32.     72.   1278.   2194.
9802          DQ       0     0.1     32.    741.   1279.

9803          KK   RTR14
9804          KM   STREET ROUTE
9805          KM   WEST
9806          KM   THOMAS
9807          RS       3    FLOW     -1.
9808          RC    0.02   0.016    0.02   2650.  0.0031
9809          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

9810          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

9811          KK   D91IS
9812          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
9813          KM   91ST & INDIAN SCHOOL
9814          DR   D91IS

9815          KK    R91M
9816          KM   STREET ROUTE
9817          KM   SOUTH
9818          KM   91ST Avenue
9819          RS       4    FLOW     -1.
9820          RC    0.02   0.016    0.02   2630.  0.0016
9821          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
9822          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

9823          KK  D2721W
9824          KM   RETRIEVAL OF SUB-BASIN DIVERSION
9825          KM   SUB-BASIN 27-21
9826          DR  D2721W

9827          KK    C91G
9828          KM   NORTH/SOUTH STREET COMBINE
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1K/14PRINT

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9829        KM   91ST AVENUE
9830        HC      2  65.566

9831        KK   S91GS
9832        KM   STREET CAPACITY DIVERSION
9833        KM   91ST
9834        KM   DIVERSION TO WEST
9835        KM   STORM DRAIN ALONG 91ST AVE
9836        KM   CAP= 326.0 CFS SOUTH
9837        DT   S91GW
9838        DI      0    343.    356.    822.   1177.
9839        DQ      0     0.1      9.    212.    365.

9840        KK    R91N
9841        KM   STREET ROUTE
9842        KM   SOUTH
9843        KM   91ST Avenue
9844        RS      3    FLOW     -1.
9845        RC   0.02   0.016    0.02   2650.  0.0025
9846        RX   44.9     45.     66.    66.1    134.   134.1    155.   155.1
9847        RY    4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

9848        KK   CTR91
9849        KM   INTERSECTION COMBINE
9850        KM   THOMAS & 91ST
9851        HC      2  66.668
1                                   HEC-1 INPUT                                    PAGE219

LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


9852        KK   DTR91
9853        KM   STREET INTERSECTION DIVERSION
9854        KM   THOMAS & 91ST
9855        KM   43% West & 57% South
9856        KM   DIVERSION SOUTH
9857        KM   STORM DRAIN ALONG 91ST AVE
9858        KM   CAP= 326.0 CFS SOUTH
9859        DT   D91TR
9860        DI      0    326.  10326.
9861        DQ      0    326.   6026.

9862        KK   RTR15
9863        KM   STREET ROUTE
9864        KM   WEST
9865        KM   THOMAS
9866        RS      4    FLOW     -1.
9867        RC   0.02   0.016    0.02   2650.  0.0018
9868        RX   44.9     45.     66.    66.1    134.   134.1    155.   155.1
9869        RY    4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

9870        KK   SIS8S
9871        KM   RETRIEVAL OF STREET CAPACITY DIVERSION
9872        KM   INDIAN SCHOOL
9873        DR   SIS8S

9874        KK  R2821S
9875        KM   SUB-BASIN STREET ROUTE
9876        KM   SOUTH
9877        KM   RW= 50'
9878        KM   PAV= 35'
9879        RS     10    FLOW     -1.
9880        RC   0.02   0.016    0.02   5700.  0.0011
9881        RX      0     0.1     7.5    17.5    32.5    42.5     50.    50.1
9882        RY    4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0
```


K/1 4PRINT

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9883          KK   28-21
9884          KM   SUB-BASIN 28-21
9885          KM   6-HOUR RAINFALL, PATTERN NO. 1.40 WAS USED TO FIND TC & R FOR THIS BASIN
9886          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .987
9887          KM     L = 1.11  Kb = .080  Adj. Slope =   11.0
9888          BA    .999
9889          LG    .490    .150   8.800    .090   2.000
9890          UC   1.438    .602
9891          UA       0       5      16      30      65      77      84      90      94      97
9892          UA     100

9893          KK   S91GW
9894          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
9895          KM   91ST
9896          DR   S91GW
1                                          HEC-1 INPUT                                          PAGE220

LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


9897          KK  R2821W
9898          KM   SUB-BASIN STREET ROUTE
9899          KM   WEST
9900          KM   RW= 50'
9901          KM   PAV= 35'
9902          RS       6    FLOW     -1.
9903          RC    0.02   0.016    0.02   5300.  0.0026
9904          RX       0     0.1     7.5    17.5    32.5    42.5     50.    50.1
9905          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

9906          KK  C28-21
9907          KM   SUB-BASIN COMBINE
9908          HC       3  70.436

9909          KK  D2821S
9910          KM   SUB-BASIN DIVERSION
9911          KM   SUB-BASIN 28-21
9912          KM   63% West & 37% South
9913          DT  D2821W
9914          DI       0  10000.
9915          DQ       0   6300.

9916          KK    CTR8
9917          KM   EAST/WEST STREET COMBINE
9918          HC       2  70.436

9919          KK  STR10W
9920          KM   STREET CAPACITY DIVERSION
9921          KM   THOMAS
9922          KM   DIVERSION TO SOUTH
9923          DT  STR10S
9924          DI       0     26.     41.    618.   1058.
9925          DQ       0     0.1      8.    177.    305.

9926          KK   RTR16
9927          KM   STREET ROUTE
9928          KM   WEST
9929          KM   THOMAS
9930          RS       3    FLOW     -1.
9931          RC    0.02   0.016    0.02   2640.  0.0020
9932          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
9933          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

9934          KK   D99IS
9935          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
9936          KM   99TH & INDIAN SCHOOL
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1674PRINT

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9937          DR   D99IS

9938          KK    R99H
9939          KM   STREET ROUTE
9940          KM   SOUTH
9941          KM   99TH Avenue
9942          RS       5    FLOW     -1.
9943          RC    0.02   0.016    0.02   2650.  0.0009
1                                          HEC-1 INPUT                                                    PAGE221

LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

9944          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
9945          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

9946          KK  D2821W
9947          KM   RETRIEVAL OF SUB-BASIN DIVERSION
9948          KM   SUB-BASIN 28-21
9949          DR  D2821W

9950          KK    C99D
9951          KM   NORTH/SOUTH STREET COMBINE
9952          KM   99TH AVENUE
9953          HC       2  70.436

9954          KK   S99DS
9955          KM   STREET CAPACITY DIVERSION
9956          KM   99TH
9957          KM   DIVERSION TO WEST
9958          DT   S99DW
9959          DI       0     19.     31.    490.    839.
9960          DQ       0     0.1      8.    177.    305.

9961          KK    R99I
9962          KM   STREET ROUTE
9963          KM   SOUTH
9964          KM   99TH Avenue
9965          RS       5    FLOW     -1.
9966          RC    0.02   0.016    0.02   2600.  0.0009
9967          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
9968          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

9969          KK   CTR99
9970          KM   INTERSECTION COMBINE
9971          KM   THOMAS & 99TH
9972          HC       2  70.436

9973          KK   DTR99
9974          KM   STREET INTERSECTION DIVERSION
9975          KM   THOMAS & 99TH
9976          KM   75% West & 25% South
9977          DT   D99TR
9978          DI       0  10000.
9979          DQ       0   2500.

9980          KK   RTR17
9981          KM   STREET ROUTE
9982          KM   WEST
9983          KM   THOMAS
9984          RS       3    FLOW     -1.
9985          RC    0.02   0.016    0.02   2530.  0.0019
9986          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
9987          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
1                                          HEC-1 INPUT                                                    PAGE222

LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10
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 9988          KK   SIS9S
 9989          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
 9990          KM   INDIAN SCHOOL
 9991          DR   SIS9S

 9992          KK  R2921S
 9993          KM   SUB-BASIN STREET ROUTE
 9994          KM   SOUTH
 9995          KM   RW= 50'
 9996          KM   PAV= 35'
 9997          RS       7    FLOW     -1.
 9998          RC    0.02   0.016    0.02   5700.  0.0021
 9999          RX       0     0.1     7.5    17.5    32.5    42.5     50.    50.1
10000          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

10001          KK  29-21N
10002          KM   SUB-BASIN 29-21N
10003          KM   6-HOUR RAINFALL, PATTERN NO. 1.24 WAS USED TO FIND TC & R FOR THIS BASIN
10004          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .990
10005          KM     L = 1.41  Kb = .082  Adj. Slope =    9.0
10006          BA    .761
10007          LG    .490    .150   9.700    .070   2.000
10008          UC   1.500    .893
10009          UA       0       5      16      30      65      77      84      90      94      97
10010          UA     100

10011          KK   S99DW
10012          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
10013          KM   99TH
10014          DR   S99DW

10015          KK  R2921W
10016          KM   SUB-BASIN STREET ROUTE
10017          KM   WEST
10018          KM   RW= 50'
10019          KM   PAV= 35'
10020          RS       3    FLOW     -1.
10021          RC    0.02   0.016    0.02   2640.  0.0035
10022          RX       0     0.1     7.5    17.5    32.5    42.5     50.    50.1
10023          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

10024          KK  C2921N
10025          KM   SUB-BASIN COMBINE
10026          HC       3  72.919

10027          KK  D2921S
10028          KM   SUB-BASIN DIVERSION
10029          KM   SUB-BASIN 26-21N
10030          KM   33% West & 67% South
10031          DT  D2921W
10032          DI       0  10000.
10033          DQ       0   3300.
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 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

10034          KK    CTR9
10035          KM   EAST/WEST STREET COMBINE
10036          HC       2  74.021

10037          KK  RES29S
10038          KM   PONDING AREA RESERVOIR ROUTE
10039          KM   PONDING AREA EAST OF RID CANAL
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10040          KM   SUB-BASIN 29-21N
10041          RS       1    ELEV   1019.
10042          SV       0    16.4    50.7    71.4    77.2   109.7
10043          SE   1019.   1020.   1021.  1021.4  1021.5   1022.
10044          SQ      0.     0.1     0.2     0.3     96.   1160.

10045          KK  D107IS
10046          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
10047          KM   107TH & INDIAN SCHOOL
10048          DR  D107IS

10049          KK   R107C
10050          KM   STREET ROUTE
10051          KM   SOUTH
10052          KM   107TH Avenue
10053          RS       5    FLOW     -1.
10054          RC    0.02   0.016    0.02   2490.  0.0009
10055          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
10056          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

10057          KK  D2921W
10058          KM   RETRIEVAL OF SUB-BASIN DIVERSION
10059          KM   SUB-BASIN 29-21N
10060          DR  D2921W

10061          KK   C107B
10062          KM   NORTH/SOUTH STREET COMBINE
10063          KM   107TH AVENUE
10064          HC       2  72.919

10065          KK  RES29W
10066          KM   PONDING AREA RESERVOIR ROUTE
10067          KM   PONDING AREA NORTH OF GRAND RID CANAL
10068          KM   SUB-BASIN 29-21N
10069          RS       1    ELEV   1016.
10070          SV       0    48.9    74.7   130.2   193.2
10071          SE   1016.   1018.  1018.5  1019.3   1020.
10072          SQ      0.     0.1    771.   3920.   9112.

10073          KK  D2921B
10074          KM   DIVERSION
10075          KM   107TH & R.I.D. CANAL
10076          KM   DIVERSION TO WEST
10077          KM   SPECIAL CASE: FLOW DIVERSION DOCUMENTED AS PART OF RES29W ANALYSES
10078          DT  D2921C
10079          DI      0.    771.   3920.   9112.
10080          DQ       0    771.   3920.   8618.
```



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 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

10081          KK  R2921A
10082          KM   SUB-BASIN STREET ROUTE
10083          KM   SOUTH
10084          KM   RW= 150'
10085          KM   PAV= 105'
10086          RS       5    FLOW     -1.
10087          RC    0.02   0.016    0.02   2610.  0.0008
10088          RX       0     0.1    22.5    32.5   117.5   127.5    150.   150.1
10089          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

10090          KK  29-21S
10091          KM   SUB-BASIN 29-21S
10092          KM   6-HOUR RAINFALL, PATTERN NO. 1.00 WAS USED TO FIND TC & R FOR THIS BASIN
10093          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .997
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1C/14PRINT

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10094          KM     L =  .88  Kb = .086  Adj. Slope =    9.0
10095          BA    .262
10096          LG    .280    .150   9.700    .060  19.000
10097          UC   1.237    .908
10098          UA      0       5      16      30      65      77      84      90      94      97
10099          UA    100

10100          KK   C107C
10101          KM   NORTH/SOUTH STREET COMBINE
10102          KM   107TH AVENUE
10103          HC       3  74.284

10104          KK  DTR107
10105          KM   STREET INTERSECTION DIVERSION
10106          KM   THOMAS & 107TH
10107          KM   65% West & 35% South
10108          DT  D107TR
10109          DI       0  10000.
10110          DQ       0   3500.

10111          KK   RTR18
10112          KM   STREET ROUTE
10113          KM   WEST
10114          KM   THOMAS
10115          RS       3    FLOW     -1.
10116          RC    0.02   0.016    0.02   2390.  0.0017
10117          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
10118          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

10119          KK  30-21S
10120          KM   SUB-BASIN 30-21S
10121          KM   6-HOUR RAINFALL, PATTERN NO. 1.23 WAS USED TO FIND TC & R FOR THIS BASIN
10122          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .990
10123          KM     L =  .79  Kb = .036  Adj. Slope =   12.0
10124          BA    .748
10125          LG    .210    .290   6.800    .120  12.000
10126          UC    .567    .192
10127          UA      0       5      16      30      65      77      84      90      94      97
10128          UA    100
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 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

10129          KK  RET30S
10130          KM   RETENTION BASIN DIVERSION
10131          KM   SUB-BASIN 30-21S
10132          KM   81% OF SUB-BASIN DRAINS TO RETENTION BASIN
10133          DT  D3021X   17.78
10134          DI       0  10000.
10135          DQ       0   8100.

10136          KK  C3021S
10137          KM   SUB-BASIN COMBINE
10138          HC       2  75.033

10139          KK  STR11W
10140          KM   STREET CAPACITY DIVERSION
10141          KM   THOMAS
10142          KM   DIVERSION TO SOUTH
10143          DT  STR11S
10144          DI       0     22.     50.    899.   1543.
10145          DQ       0    0.1     23.    530.    914.

10146          KK   RTR19
10147          KM   STREET ROUTE
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10148          KM   WEST
10149          KM   THOMAS
10150          RS       6    FLOW     -1.
10151          RC    0.02   0.016    0.02   2800.  0.0008
10152          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
10153          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

10154          KK  DTR115
10155          KM   STREET INTERSECTION DIVERSION
10156          KM   THOMAS & 115TH
10157          KM   57% West & 43% South
10158          DT  D115TR
10159          DI       0  10000.
10160          DQ       0   4300.

10161          KK  30-21N
10162          KM   SUB-BASIN 30-21N
10163          KM   6-HOUR RAINFALL, PATTERN NO. 1.17 WAS USED TO FIND TC & R FOR THIS BASIN
10164          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .991
10165          KM     L =  .71  Kb = .047  Adj. Slope =   15.0
10166          BA    .667
10167          LG    .210    .260   6.800    .130  21.000
10168          UC    .567    .189
10169          UA       0       5      16      30      65      77      84      90      94      97
10170          UA     100

10171          KK  RET30N
10172          KM   RETENTION BASIN DIVERSION
10173          KM   SUB-BASIN 30-21N
10174          KM   82% OF SUB-BASIN DRAINS TO RETENTION BASIN
10175          DT  D3021R   29.37
10176          DI       0  10000.
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 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

10177          DQ       0   8200.

10178          KK  D3021S
10179          KM   SUB-BASIN DIVERSION
10180          KM   SUB-BASIN 30-21N
10181          KM   21% West & 79% South
10182          DT  D3021W
10183          DI       0  10000.
10184          DQ       0   2100.

10185          KK  D2921C
10186          KM   RETRIEVAL OF DIVERSION @ 107TH & R.I.D. CANAL
10187          DR  D2921C

10188          KK  R3021W
10189          KM   SUB-BASIN STREET ROUTE
10190          KM   WEST
10191          KM   RW= 70'
10192          KM   PAV= 43'
10193          RS       4    FLOW     -1.
10194          RC    0.02   0.016    0.02   3540.  0.0023
10195          RX       0     0.1    13.5    23.5    46.5    56.5    170.    170.1
10196          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

10197          KK  C3021N
10198          KM   SUB-BASIN COMBINE
10199          HC       2  73.587

10200          KK  R3021R
10201          KM   SUB-BASIN ROUTE THROUGH CHANNEL ADJACENT TO ARTERIAL STREET
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K/71 4PRINT

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10202          KM   WEST
10203          KM   BOTTOM WIDTH = 10'
10204          KM   SIDE SLOPES = 2:1
10205          RS       2    FLOW     -1.
10206          RC    0.02    0.02    0.02   2030.  0.0030
10207          RX       0     0.1     2.5     5.0    15.0    17.5    20.0    20.1
10208          RY     2.5     2.4     1.3     0.0     0.0     1.3     2.4     2.5

10209          KK  D3021W
10210          KM   RETRIEVAL OF SUB-BASIN DIVERSION
10211          KM   SUB-BASIN 30-21N
10212          DR  D2021W

10213          KK   NULL8
10214          KM   COMBINE FLOWS FROM SUB-BASIN 30-21N & 30-21S W/ NULL7
10215          HC       4     1.
               *
               * MCDOWELL COMPUTATION PATH
               *
1                                          HEC-1 INPUT                                                PAGE227

 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


10216          KK   36-22
10217          KM   SUB-BASIN 36-22
10218          KM   6-HOUR RAINFALL, PATTERN NO. 1.00 WAS USED TO FIND TC & R FOR THIS BASIN
10219          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .997
10220          KM     L =  .88  Kb = .026  Adj. Slope =   11.0
10221          BA    .227
10222          LG    .150    .150   8.000    .110  55.000
10223          UC    .458    .327
10224          UA       0       5      16      30      65      77      84      90      94      97
10225          UA     100

10226          KK  D3622S
10227          KM   SUB-BASIN DIVERSION
10228          KM   SUB-BASIN 36-22
10229          KM   64% West & 36% South
10230          DT  D3622W
10231          DI       0  10000.
10232          DQ       0   6400.

10233          KK   D27TR
10234          KM   RETRIEVAL OF DIVERSION FROM RES26E
10235          DR   D27TR

10236          KK    R27G
10237          KM   STREET ROUTE
10238          KM   SOUTH
10239          KM   27TH Avenue
10240          RS       2    FLOW     -1.
10241          RC    0.02   0.016    0.02   2620.  0.0042
10242          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
10243          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

10244          KK  D3622W
10245          KM   RETRIEVAL OF SUB-BASIN DIVERSION
10246          KM   SUB-BASIN 36-22
10247          DR  D3622W

10248          KK    C27B
10249          KM   NORTH/SOUTH STREET COMBINE
10250          KM   27TH AVENUE
10251          HC       2  17.259
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10252          KK   S27BS
10253          KM   STREET CAPACITY DIVERSION
10254          KM   27TH AVENUE
10255          KM   DIVERSION TO WEST
10256          DT   S27BW
10257          DI       0     35.     68.   1146.   1965.
10258          DQ       0     0.1     24.    565.    975.
1                                          HEC-1 INPUT                                          PAGE228

 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


10259          KK    R27H
10260          KM   STREET ROUTE
10261          KM   SOUTH
10262          KM   27TH Avenue
10263          RS       3    FLOW     -1.
10264          RC    0.02   0.016    0.02   2700.  0.0023
10265          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
10266          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

10267          KK   CMD27
10268          KM   INTERSECTION COMBINE
10269          KM   MCDOWELL & 27TH
10270          HC       2  17.259

10271          KK   DMD27
10272          KM   STREET INTERSECTION DIVERSION
10273          KM   MCDOWELL & 27TH
10274          KM   38% West & 62% South
10275          KM   DIVERSION SOUTH
10276          KM   STORM DRAIN ALONG 27TH AVE
10277          KM   CAP= 131.0 CFS SOUTH
10278          DT   D27MD
10279          DI       0    131.  10131.
10280          DQ       0    131.   6331.

10281          KK    RMD1
10282          KM   STREET ROUTE
10283          KM   WEST
10284          KM   MCDOWELL
10285          RS       7    FLOW     -1.
10286          RC    0.02   0.016    0.02   2630.  0.0005
10287          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
10288          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

10289          KK   STR1S
10290          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
10291          KM   THOMAS
10292          DR   STR1S

10293          KK  R3522S
10294          KM   SUB-BASIN STREET ROUTE
10295          KM   SOUTH
10296          KM   RW= 270'
10297          KM   PAV= 183'
10298          RS       6    FLOW     -1.
10299          RC    0.02   0.016    0.02   5400.  0.0032
10300          RX       0     0.1    43.5    53.5   216.5   226.5    270.   270.1
10301          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0
1                                          HEC-1 INPUT                                          PAGE229

 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


10302          KK   35-22
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10303          KM   SUB-BASIN 35-22
10304          KM   6-HOUR RAINFALL, PATTERN NO. 1.40 WAS USED TO FIND TC & R FOR THIS BASIN
10305          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .987
10306          KM     L = 1.50  Kb = .045  Adj. Slope =   11.0
10307          BA    .998
10308          LG    .190    .130  10.100    .050  45.000
10309          UC   1.000    .512
10310          UA      0       5      16      30      65      77      84      90      94      97
10311          UA    100

10312          KK   S27BW
10313          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
10314          KM   27TH
10315          DR   S27BW

10316          KK  R3522W
10317          KM   SUB-BASIN STREET ROUTE
10318          KM   WEST
10319          KM   RW= 170'
10320          KM   PAV= 113'
10321          RS      13    FLOW     -1.
10322          RC    0.02   0.016    0.02   5310.  0.0006
10323          RX       0     0.1    28.5    38.5   131.5   141.5    170.   170.1
10324          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

10325          KK  C35-22
10326          KM   SUB-BASIN COMBINE
10327          HC       3  18.650

10328          KK  D3522S
10329          KM   SUB-BASIN DIVERSION
10330          KM   SUB-BASIN 35-22
10331          KM   26% West & 74% South
10332          KM   DIVERSION WEST
10333          KM   STORM DRAIN ALONG 31ST AVENUE
10334          KM   CAP= 182.0 CFS SOUTH
10335          DT  D3522W
10336          DI       0    182.    382.    682.   1182.   2182.
10337          DQ       0     0.1     52.    130.    260.    420.

10338          KK    CMD1
10339          KM   EAST/WEST STREET COMBINE
10340          HC       2  18.650

10341          KK   SMD1W
10342          KM   STREET CAPACITY DIVERSION
10343          KM   MCDOWELL
10344          KM   DIVERSION TO SOUTH
10345          KM   STORM DRAIN ALONG 31ST AVE.
10346          KM   CAP= 182.0 CFS SOUTH
10347          DT   SMD1S
10348          DI       0    182.    200.    244.   1404.   2284.
10349          DQ       0    182.    182.    221.   1100.   1766.
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 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

10350          KK    RMD2
10351          KM   STREET ROUTE
10352          KM   WEST
10353          KM   MCDOWELL
10354          RS       4    FLOW     -1.
10355          RC    0.02   0.016    0.02   2670.  0.0013
10356          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
10357          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
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10358          KK   D35TR
10359          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
10360          KM   35TH & THOMAS
10361          DR   D35TR

10362          KK    R35K
10363          KM   STREET ROUTE
10364          KM   SOUTH
10365          KM   35TH Avenue
10366          RS       2    FLOW     -1.
10367          RC    0.02   0.016    0.02   2690.  0.0042
10368          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
10369          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

10370          KK  D3522W
10371          KM   RETRIEVAL OF SUB-BASIN DIVERSION
10372          KM   SUB-BASIN 35-22
10373          DR  D3522W

10374          KK    C35F
10375          KM   NORTH/SOUTH STREET COMBINE
10376          KM   35TH AVENUE
10377          HC       2  18.729

10378          KK   S35ES
10379          KM   STREET CAPACITY DIVERSION
10380          KM   35TH
10381          KM   DIVERSION TO WEST
10382          KM   STORM DRAIN ALONG 35TH AVE
10383          KM   CAP=  53.0 CFS SOUTH
10384          DT   S35EW
10385          DI       0     89.    161.   2112.   3594.
10386          DQ       0     0.1     62.   1447.   2497.

10387          KK    R35L
10388          KM   STREET ROUTE
10389          KM   SOUTH
10390          KM   35TH Avenue
10391          RS       3    FLOW     -1.
10392          RC    0.02   0.016    0.02   2630.  0.0030
10393          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
10394          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
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 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

10395          KK   CMD35
10396          KM   INTERSECTION COMBINE
10397          KM   MCDOWELL & 35TH
10398          HC       2  18.729

10399          KK   DMD35
10400          KM   STREET INTERSECTION DIVERSION
10401          KM   MCDOWELL & 35TH
10402          KM   33% West & 67% South
10403          KM   DIVERSION SOUTH
10404          KM   STORM DRAIN ALONG 35TH AVE
10405          KM   CAP=  53.0 CFS SOUTH
10406          DT   D35MD
10407          DI       0     53.  10053.
10408          DQ       0     53.   6753.

10409          KK    RMD3
10410          KM   STREET ROUTE
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10411          KM   WEST
10412          KM   MCDOWELL
10413          RS      11    FLOW     -1.
10414          RC    0.02   0.016    0.02   2620.  0.0002
10415          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
10416          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

10417          KK   STR2S
10418          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
10419          KM   THOMAS
10420          DR   STR2S

10421          KK  R3422S
10422          KM   SUB-BASIN STREET ROUTE
10423          KM   SOUTH
10424          KM   RW= 270'
10425          KM   PAV= 183'
10426          RS       5    FLOW     -1.
10427          RC    0.02   0.016    0.02   5310.  0.0034
10428          RX       0     0.1    43.5    53.5   216.5   226.5    270.   270.1
10429          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

10430          KK   34-22
10431          KM   SUB-BASIN 34-22
10432          KM   6-HOUR RAINFALL, PATTERN NO. 1.40 WAS USED TO FIND TC & R FOR THIS BASIN
10433          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .987
10434          KM     L = 1.37  Kb = .068  Adj. Slope =   15.0
10435          BA   1.000
10436          LG    .230    .140  10.100    .040  36.000
10437          UC   1.117    .538
10438          UA       0       5      16      30      65      77      84      90      94      97
10439          UA     100
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 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

10440          KK   S35EW
10441          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
10442          KM   35TH
10443          DR   S35EW

10444          KK  R3422W
10445          KM   SUB-BASIN STREET ROUTE
10446          KM   WEST
10447          KM   RW= 420'
10448          KM   PAV= 288'
10449          RS      18    FLOW     -1.
10450          RC    0.02   0.016    0.02   5290.  0.0003
10451          RX       0     0.1    66.0    76.0   344.0   354.0    420.   420.1
10452          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

10453          KK  C34-22
10454          KM   SUB-BASIN COMBINE
10455          HC       3  21.198

10456          KK  D3422S
10457          KM   SUB-BASIN DIVERSION
10458          KM   SUB-BASIN 34-22
10459          KM   36% West & 64% South
10460          KM   DIVERSION WEST
10461          KM   STORM DRAIN ALONG 39TH AVE
10462          KM   CAP= 319.0 CFS SOUTH
10463          DT  D3422W
10464          DI       0    319.    519.    819.   1319.   2319.
10465          DQ       0     0.1     72.    180.    360.    720.
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10466          KK    CMD2
10467          KM   EAST/WEST STREET COMBINE
10468          HC       2  21.198

10469          KK   SMD2W
10470          KM   STREET CAPACITY DIVERSION
10471          KM   MCDOWELL
10472          KM   DIVERSION TO SOUTH
10473          KM   STORM DRAIN ALONG 39TH AVE.
10474          KM   CAP= 319.0 CFS SOUTH
10475          DT   SMD2S
10476          DI       0    319.    332.    383.   1635.   2586.
10477          DQ       0    319.    319.    366.   1413.   2207.

10478          KK    RMD4
10479          KM   STREET ROUTE
10480          KM   WEST
10481          KM   MCDOWELL
10482          RS       6    FLOW     -1.
10483          RC    0.02   0.016    0.02   2670.  0.0007
10484          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
10485          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
1                                            HEC-1 INPUT                                                    PAGE233

 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


10486          KK   D43TR
10487          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
10488          KM   43RD & THOMAS
10489          DR   D43TR

10490          KK    R43N
10491          KM   STREET ROUTE
10492          KM   SOUTH
10493          KM   43RD Avenue
10494          RS       2    FLOW     -1.
10495          RC    0.02   0.016    0.02   2650.  0.0042
10496          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
10497          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

10498          KK  D3422W
10499          KM   RETRIEVAL OF SUB-BASIN DIVERSION
10500          KM   SUB-BASIN 34-22
10501          DR  D3422W

10502          KK    C43G
10503          KM   NORTH/SOUTH STREET COMBINE
10504          KM   43RD AVENUE
10505          HC       2  21.198

10506          KK   S43IS
10507          KM   STREET CAPACITY DIVERSION
10508          KM   43RD
10509          KM   DIVERSION TO WEST
10510          KM   100% FLOW SOUTH
10511          KM   STORM DRAIN ALONG 43RD AVE
10512          KM   CAP= 207.0 CFS SOUTH
10513          DT   S43IW
10514          DI       0  10000.
10515          DQ       0      0.

10516          KK    R43O
10517          KM   STREET ROUTE
10518          KM   SOUTH
```

```
10519          KM   43RD Avenue
10520          RS       3    FLOW     -1.
10521          RC    0.02   0.016    0.02   2600.  0.0033
10522          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
10523          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

10524          KK   CMD43
10525          KM   INTERSECTION COMBINE
10526          KM   MCDOWELL & 43RD
10527          HC       2  21.198
```



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 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

10528          KK   DMD43
10529          KM   STREET INTERSECTION DIVERSION
10530          KM   MCDOWELL & 43RD
10531          KM   0% West & 100% South
10532          KM   DIVERSION SOUTH
10533          KM   STORM DRAIN ALONG 43TH AVE
10534          KM   CAP= 207.0 CFS SOUTH
10535          DT   D43MD
10536          DI       0  10000.
10537          DQ       0  10000.

10538          KK   STR3S
10539          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
10540          KM   THOMAS
10541          DR   STR3S

10542          KK   STR4S
10543          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
10544          KM   THOMAS
10545          DR   STR4S

10546          KK  C3322N
10547          KM   SUB-BASIN COMBINE
10548          HC       3  23.666

10549          KK  R3322S
10550          KM   SUB-BASIN STREET ROUTE
10551          KM   SOUTH
10552          KM   RW= 270'
10553          KM   PAV= 183'
10554          RS       5    FLOW     -1.
10555          RC    0.02   0.016    0.02   5340.  0.0038
10556          RX       0     0.1    43.5    53.5   216.5   226.5    270.   270.1
10557          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

10558          KK   33-22
10559          KM   SUB-BASIN 33-22
10560          KM   6-HOUR RAINFALL, PATTERN NO. 1.40 WAS USED TO FIND TC & R FOR THIS BASIN
10561          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .987
10562          KM     L = 1.21  Kb = .076  Adj. Slope =   16.0
10563          BA   1.002
10564          LG    .240    .150   8.400    .090  34.000
10565          UC   1.112    .485
10566          UA       0       5      16      30      65      77      84      90      94      97
10567          UA     100

10568          KK   S43IW
10569          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
10570          KM   43RD
10571          DR   S43IW
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 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

10572          KK  C33-22
10573          KM   SUB-BASIN COMBINE
10574          HC       2  24.666

10575          KK  D3322S
10576          KM   SUB-BASIN DIVERSION
10577          KM   SUB-BASIN 33-22
10578          KM   29% West & 71% South
10579          DT  D3322W
10580          DI       0  10000.
10581          DQ       0   2900.

10582          KK    CMD3
10583          KM   EAST/WEST STREET COMBINE
10584          HC       2  24.666

10585          KK   SMD3W
10586          KM   SPECIAL STREET CAPACITY DIVERSION DUE TO GRADE BREAK
10587          KM   MCDOWELL
10588          KM   DIVERSION TO SOUTH
10589          KM   50/50 SPLIT
10590          DT   SMD3S
10591          DI       0  10000.
10592          DQ       0   5000.

10593          KK   SMD4W
10594          KM   STREET CAPACITY DIVERSION
10595          KM   MCDOWELL
10596          DT   SMD4S
10597          DI       0      9.     36.    718.   1236.
10598          DQ       0     0.1     24.    565.    975.

10599          KK    RMD5
10600          KM   STREET ROUTE
10601          KM   WEST
10602          KM   MCDOWELL
10603          RS      11    FLOW     -1.
10604          RC    0.02   0.016    0.02   2780.  0.0002
10605          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
10606          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

10607          KK   D51TR
10608          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
10609          KM   51ST & THOMAS
10610          DR   D51TR

10611          KK    R510
10612          KM   STREET ROUTE
10613          KM   SOUTH
10614          KM   51ST Avenue
10615          RS       3    FLOW     -1.
10616          RC    0.02   0.016    0.02   2630.  0.0037
10617          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
10618          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
```



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 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

10619          KK  D3322W
10620          KM   RETRIEVAL OF SUB-BASIN DIVERSION
10621          KM   SUB-BASIN 33-22
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10622          DR  D3322W

10623          KK    C51F
10624          KM   NORTH/SOUTH STREET COMBINE
10625          KM   51ST AVENUE
10626          HC       2  24.666

10627          KK   S51JS
10628          KM   STREET CAPACITY DIVERSION
10629          KM   51ST
10630          KM   DIVERSION TO WEST
10631          KM   STORM DRAIN ALONG 51ST AVE
10632          KM   CAP= 286.0 CFS SOUTH
10633          DT   S51JW
10634          DI       0    322.    370.   1802.   2890.
10635          DQ       0     0.1     40.    918.   1584.

10636          KK    R51P
10637          KM   STREET ROUTE
10638          KM   SOUTH
10639          KM   51ST Avenue
10640          RS       3    FLOW     -1.
10641          RC    0.02   0.016    0.02   2670.  0.0032
10642          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
10643          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

10644          KK   CMD51
10645          KM   INTERSECTION COMBINE
10646          KM   MCDOWELL & 51ST
10647          HC       2  24.666

10648          KK   DMD51
10649          KM   STREET INTERSECTION DIVERSION
10650          KM   MCDOWELL & 51ST
10651          KM   14% West & 86% South
10652          KM   DIVERSION SOUTH
10653          KM   STORM DRAIN ALONG 51ST AVE
10654          KM   CAP= 286.0 CFS SOUTH
10655          DT   D51MD
10656          DI       0    286.  10286.
10657          DQ       0    286.   8886.

10658          KK    RMD6
10659          KM   STREET ROUTE
10660          KM   WEST
10661          KM   MCDOWELL
10662          RS       5    FLOW     -1.
10663          RC    0.02   0.016    0.02   2630.  0.0010
10664          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
10665          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
```



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 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

10666          KK   STR5S
10667          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
10668          KM   THOMAS
10669          DR   STR5S

10670          KK  R3222S
10671          KM   SUB-BASIN STREET ROUTE
10672          KM   SOUTH
10673          KM   RW= 170'
10674          KM   PAV= 113'
10675          RS       5    FLOW     -1.
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10676          RC    0.02   0.016    0.02   5260.  0.0032
10677          RX       0     0.1    28.5    38.5   131.5   141.5    170.   170.1
10678          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

10679          KK   32-22
10680          KM   SUB-BASIN 32-22
10681          KM   6-HOUR RAINFALL, PATTERN NO. 1.40 WAS USED TO FIND TC & R FOR THIS BASIN
10682          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .987
10683          KM     L = 1.34  Kb = .077  Adj. Slope =   15.0
10684          BA   1.005
10685          LG    .240    .150   7.600    .120  32.000
10686          UC   1.271    .608
10687          UA       0       5      16      30      65      77      84      90      94      97
10688          UA     100

10689          KK   S51JW
10690          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
10691          KM   51ST
10692          DR   S51JW

10693          KK  R3222W
10694          KM   SUB-BASIN STREET ROUTE
10695          KM   WEST
10696          KM   RW= 270'
10697          KM   PAV= 183'
10698          RS       8    FLOW     -1.
10699          RC    0.02   0.016    0.02   5270.  0.0015
10700          RX       0     0.1    43.5    53.5   216.5   226.5    270.   270.1
10701          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

10702          KK  C32-22
10703          KM   SUB-BASIN COMBINE
10704          HC       3  33.708

10705          KK  D3222S
10706          KM   SUB-BASIN DIVERSION
10707          KM   SUB-BASIN 32-22
10708          KM   57% West & 43% South
10709          DT  D3222W
10710          DI       0  10000.
10711          DQ       0   5700.
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 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

10712          KK    CMD4
10713          KM   EAST/WEST STREET COMBINE
10714          HC       2  33.708

10715          KK   SMD5W
10716          KM   STREET CAPACITY DIVERSION
10717          KM   MCDOWELL
10718          KM   DIVERSION TO SOUTH
10719          DT   SMD5S
10720          DI       0     23.     44.    740.   1269.
10721          DQ       0     0.1     15.    353.    609.

10722          KK    RMD7
10723          KM   STREET ROUTE
10724          KM   WEST
10725          KM   MCDOWELL
10726          RS       4    FLOW     -1.
10727          RC    0.02   0.016    0.02   2660.  0.0019
10728          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
10729          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
```


K7148PRINT

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10730          KK   D59TR
10731          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
10732          KM   59TH & THOMAS
10733          DR   D59TR

10734          KK    R59P
10735          KM   STREET ROUTE
10736          KM   SOUTH
10737          KM   59TH Avenue
10738          RS       2    FLOW     -1.
10739          RC    0.02   0.016    0.02   2670.  0.0039
10740          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
10741          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

10742          KK  D3222W
10743          KM   RETRIEVAL OF SUB-BASIN DIVERSION
10744          KM   SUB-BASIN 32-22
10745          DR  D3222W

10746          KK    C59H
10747          KM   NORTH/SOUTH STREET COMBINE
10748          KM   59TH AVENUE
10749          HC       2  33.708

10750          KK   S59JS
10751          KM   STREET CAPACITY DIVERSION
10752          KM   59TH
10753          KM   DIVERSION TO WEST
10754          KM   STORM DRAIN ALONG 59TH AVE
10755          KM   CAP= 448.0 CFS SOUTH
10756          DT   S59JW
10757          DI       0    484.    570.   2852.   4583.
10758          DQ       0     0.1     78.   1800.   3106.
1                                            HEC-1 INPUT                                                    PAGE239

 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

10759          KK    R59Q
10760          KM   STREET ROUTE
10761          KM   SOUTH
10762          KM   59TH Avenue
10763          RS       3    FLOW     -1.
10764          RC    0.02   0.016    0.02   2600.  0.0031
10765          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
10766          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

10767          KK   CMD59
10768          KM   INTERSECTION COMBINE
10769          KM   MCDOWELL & 59TH
10770          HC       2  33.708

10771          KK   DMD59
10772          KM   STREET INTERSECTION DIVERSION
10773          KM   MCDOWELL & 59TH
10774          KM   44% West & 56% South
10775          KM   DIVERSION SOUTH
10776          KM   STORM DRAIN ALONG 59TH AVE
10777          KM   CAP= 448.0 CFS SOUTH
10778          DT   D59MD
10779          DI       0    448.  10448.
10780          DQ       0    448.   6048.

10781          KK    RMD8
10782          KM   STREET ROUTE
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10783          KM   WEST
10784          KM   MCDOWELL
10785          RS       3    FLOW     -1.
10786          RC    0.02   0.016    0.02   2620.  0.0021
10787          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
10788          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

10789          KK   STR6S
10790          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
10791          KM   THOMAS
10792          DR   STR6S

10793          KK  R3122S
10794          KM   SUB-BASIN STREET ROUTE
10795          KM   SOUTH
10796          KM   RW= 170'
10797          KM   PAV= 113'
10798          RS       5    FLOW     -1.
10799          RC    0.02   0.016    0.02   5280.  0.0038
10800          RX       0     0.1    28.5    38.5   131.5   141.5    170.   170.1
10801          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0
```



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 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

10802          KK   31-22
10803          KM   SUB-BASIN 31-22
10804          KM   6-HOUR RAINFALL, PATTERN NO. 1.39 WAS USED TO FIND TC & R FOR THIS BASIN
10805          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .987
10806          KM     L = 1.28  Kb = .069  Adj. Slope =   16.0
10807          BA    .978
10808          LG    .250    .170   8.400    .090  25.000
10809          UC   1.096    .505
10810          UA       0       5      16      30      65      77      84      90      94      97
10811          UA     100

10812          KK   S59JW
10813          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
10814          KM   59TH
10815          DR   S59JW

10816          KK  R3122W
10817          KM   SUB-BASIN STREET ROUTE
10818          KM   WEST
10819          KM   RW= 420'
10820          KM   PAV= 288'
10821          RS       8    FLOW     -1.
10822          RC    0.02   0.016    0.02   5200.  0.0013
10823          RX       0     0.1    66.0    76.0   344.0   354.0    420.   420.1
10824          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

10825          KK  C31-22
10826          KM   SUB-BASIN COMBINE
10827          HC       3  43.820

10828          KK  D3122S
10829          KM   SUB-BASIN DIVERSION
10830          KM   SUB-BASIN 31-22
10831          KM   52% West & 48% South
10832          DT  D3122W
10833          DI       0  10000.
10834          DQ       0   5200.

10835          KK    CMD5
10836          KM   EAST/WEST STREET COMBINE
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1&74PRINT

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10837          HC       2  43.820

10838          KK   SMD6W
10839          KM   STREET CAPACITY DIVERSION
10840          KM   MCDOWELL
10841          KM   DIVERSION TO SOUTH
10842          KM   STORM DRAIN ALONG McDOWELL RD.
10843          KM   CAP=  48.0 CFS WEST
10844          DT   SMD6S
10845          DI       0     72.     87.    660.   1096.
10846          DQ       0     0.1      9.    212.    365.
1                                           HEC-1 INPUT                                                    PAGE241

 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


10847          KK    RMD9
10848          KM   STREET ROUTE
10849          KM   WEST
10850          KM   MCDOWELL
10851          RS       5    FLOW     -1.
10852          RC    0.02   0.016    0.02   2530.  0.0009
10853          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
10854          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

10855          KK   D67TR
10856          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
10857          KM   67TH & THOMAS
10858          DR   D67TR

10859          KK    R67P
10860          KM   STREET ROUTE
10861          KM   SOUTH
10862          KM   67TH Avenue
10863          RS       3    FLOW     -1.
10864          RC    0.02   0.016    0.02   2650.  0.0037
10865          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
10866          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

10867          KK  D3122W
10868          KM   RETRIEVAL OF SUB-BASIN DIVERSION
10869          KM   SUB-BASIN 31-22
10870          DR  D3122W

10871          KK    C67H
10872          KM   NORTH/SOUTH STREET COMBINE
10873          KM   67TH AVENUE
10874          HC       2  43.820

10875          KK   S67JS
10876          KM   STREET CAPACITY DIVERSION
10877          KM   67TH
10878          KM   DIVERSION TO WEST
10879          KM   STORM DRAIN ALONG 67TH AVE
10880          KM   CAP= 532.0 CFS SOUTH
10881          DT   S67JW
10882          DI       0    569.    648.   2771.   4383.
10883          DQ       0     0.1     70.   1624.   2802.

10884          KK    R67Q
10885          KM   STREET ROUTE
10886          KM   SOUTH
10887          KM   67TH Avenue
10888          RS       3    FLOW     -1.
10889          RC    0.02   0.016    0.02   2640.  0.0035
10890          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
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10891          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
1                                          HEC-1 INPUT                                                    PAGE242

 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

10892          KK   CMD67
10893          KM   INTERSECTION COMBINE
10894          KM   MCDOWELL & 67TH
10895          HC       2  43.820

10896          KK   DMD67
10897          KM   STREET INTERSECTION DIVERSION
10898          KM   MCDOWELL & 67TH
10899          KM   41% West & 59% South
10900          KM   DIVERSION SOUTH
10901          KM   STORM DRAIN ALONG 67TH AVE
10902          KM   CAP= 532.0 CFS SOUTH
10903          DT   D67MD
10904          DI       0    532.  10532.
10905          DQ       0    532.   6432.

10906          KK   RMD10
10907          KM   STREET ROUTE
10908          KM   WEST
10909          KM   MCDOWELL
10910          RS       4    FLOW     -1.
10911          RC    0.02   0.016    0.02   2630.  0.0013
10912          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
10913          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

10914          KK   STR7S
10915          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
10916          KM   THOMAS
10917          DR   STR7S

10918          KK  R3621S
10919          KM   SUB-BASIN STREET ROUTE
10920          KM   SOUTH
10921          KM   RW= 170'
10922          KM   PAV= 113'
10923          RS       5    FLOW     -1.
10924          RC    0.02   0.016    0.02   5290.  0.0032
10925          RX       0     0.1    28.5    38.5   131.5   141.5    170.   170.1
10926          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

10927          KK   36-21
10928          KM   SUB-BASIN 36-21
10929          KM   6-HOUR RAINFALL, PATTERN NO. 1.40 WAS USED TO FIND TC & R FOR THIS BASIN
10930          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .987
10931          KM     L = 1.36  Kb = .073  Adj. Slope =   16.0
10932          BA   1.003
10933          LG    .260    .160   7.600    .120  28.000
10934          UC   1.212    .585
10935          UA       0       5      16      30      65      77      84      90      94      97
10936          UA     100
1                                          HEC-1 INPUT                                                    PAGE243

 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

10937          KK   S67JW
10938          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
10939          KM   67TH
10940          DR   S67JW
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10941          KK  R3621W
10942          KM   SUB-BASIN STREET ROUTE
10943          KM   WEST
10944          KM   RW= 420'
10945          KM   PAV= 228'
10946          RS       7    FLOW     -1.
10947          RC    0.02   0.016    0.02   5330.  0.0018
10948          RX       0     0.1    96.0   106.0   314.0   324.0    420.   420.1
10949          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

10950          KK  C36-21
10951          KM   SUB-BASIN COMBINE
10952          HC       3  46.343

10953          KK  D3621S
10954          KM   SUB-BASIN DIVERSION
10955          KM   SUB-BASIN 36-21
10956          KM   30% West & 70% South
10957          DT  D3621W
10958          DI       0  10000.
10959          DQ       0   3000.

10960          KK    CMD6
10961          KM   EAST/WEST STREET COMBINE
10962          HC       2  46.434

10963          KK   SMD7W
10964          KM   STREET CAPACITY DIVERSION
10965          KM   MCDOWELL
10966          KM   DIVERSION TO SOUTH
10967          DT   SMD7S
10968          DI       0     24.     37.    575.    983.
10969          DQ       0     0.1      8.    177.    305.

10970          KK   RMD11
10971          KM   STREET ROUTE
10972          KM   WEST
10973          KM   MCDOWELL
10974          RS       4    FLOW     -1.
10975          RC    0.02   0.016    0.02   2640.  0.0017
10976          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
10977          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

10978          KK   D75TR
10979          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
10980          KM   75TH & THOMAS
10981          DR   D75TR
```



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 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

10982          KK    R75R
10983          KM   STREET ROUTE
10984          KM   SOUTH
10985          KM   75TH Avenue
10986          RS       3    FLOW     -1.
10987          RC    0.02   0.016    0.02   2660.  0.0027
10988          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
10989          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

10990          KK  D3621W
10991          KM   RETRIEVAL OF SUB-BASIN DIVERSION
10992          KM   SUB-BASIN 36-21
10993          DR  D3621W
```

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10994          KK    C75H
10995          KM   NORTH/SOUTH STREET COMBINE
10996          KM   75TH AVENUE
10997          HC       2  46.343

10998          KK   S75KS
10999          KM   STREET CAPACITY DIVERSION
11000          KM   75TH
11001          KM   DIVERSION TO WEST
11002          KM   STORM DRAIN ALONG 75TH AVE
11003          KM   CAP= 467.0 CFS SOUTH
11004          DT   S75KW
11005          DI       0    499.    516.   1218.   1752.
11006          DQ       0     0.1      9.    218.    365.

11007          KK    R75S
11008          KM   STREET ROUTE
11009          KM   SOUTH
11010          KM   75TH Avenue
11011          RS       3    FLOW     -1.
11012          RC    0.02   0.016    0.02   2650.  0.0028
11013          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
11014          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

11015          KK   CMD75
11016          KM   INTERSECTION COMBINE
11017          KM   MCDOWELL & 75TH
11018          HC       2  46.343

11019          KK   DMD75
11020          KM   STREET INTERSECTION DIVERSION
11021          KM   MCDOWELL & 75TH
11022          KM   35% West & 65% South
11023          KM   DIVERSION SOUTH
11024          KM   STORM DRAIN ALONG 75TH AVE
11025          KM   CAP= 467.0 CFS SOUTH
11026          DT   D75MD
11027          DI       0    467.  10467.
11028          DQ       0    467.   6957.
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 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

11029          KK   RMD12
11030          KM   STREET ROUTE
11031          KM   WEST
11032          KM   MCDOWELL
11033          RS       3    FLOW     -1.
11034          RC    0.02   0.016    0.02   2630.  0.0026
11035          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
11036          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

11037          KK   STR8S
11038          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
11039          KM   THOMAS
11040          DR   STR8S

11041          KK  R3521S
11042          KM   SUB-BASIN STREET ROUTE
11043          KM   SOUTH
11044          KM   RW= 50'
11045          KM   PAV= 35'
11046          RS       6    FLOW     -1.
11047          RC    0.02   0.016    0.02   5150.  0.0027
11048          RX       0     0.1     7.5    17.5    32.5    42.5     50.    50.1
```

```
11049          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

11050          KK   35-21
11051          KM   SUB-BASIN 35-21
11052          KM   6-HOUR RAINFALL, PATTERN NO. 1.40 WAS USED TO FIND TC & R FOR THIS BASIN
11053          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .987
11054          KM     L = 1.04  Kb = .065  Adj. Slope =   14.0
11055          BA    .991
11056          LG    .400    .160   8.800    .090  12.000
11057          UC    .996    .382
11058          UA       0       5      16      30      65      77      84      90      94      97
11059          UA     100

11060          KK   RET35
11061          KM   RETENTION BASIN DIVERSION
11062          KM   SUB-BASIN 35-21
11063          KM   28% OF SUB-BASIN DRAINS TO RETENTION BASIN
11064          DT  D3521R   32.06
11065          DI       0  10000.
11066          DQ       0   2800.

11067          KK   S75KW
11068          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
11069          KM   75TH
11070          DR   S75KW

11071          KK  R3521W
11072          KM   SUB-BASIN STREET ROUTE
11073          KM   WEST
11074          KM   RW= 50'
11075          KM   PAV= 35'
11076          RS       6    FLOW     -1.
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 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

11077          RC    0.02   0.016    0.02   5220.  0.0027
11078          RX       0     0.1     7.5    17.5    32.5    42.5     50.    50.1
11079          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

11080          KK  C35-21
11081          KM   SUB-BASIN COMBINE
11082          HC       3  58.412

11083          KK  D3521S
11084          KM   SUB-BASIN DIVERSION
11085          KM   SUB-BASIN 35-21
11086          KM   42% West & 58% South
11087          DT  D3521W
11088          DI       0  10000.
11089          DQ       0   4200.

11090          KK    CMD7
11091          KM   EAST/WEST STREET COMBINE
11092          HC       2  58.412

11093          KK   SMD8W
11094          KM   STREET CAPACITY DIVERSION
11095          KM   MCDOWELL
11096          KM   DIVERSION TO SOUTH
11097          DT   SMD8S
11098          DI       0     31.     46.    692.   1183.
11099          DQ       0     0.1      8.    177.    305.

11100          KK   RMD13
11101          KM   STREET ROUTE
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11102          KM   WEST
11103          KM   MCDOWELL
11104          RS       3    FLOW     -1.
11105          RC    0.02   0.016    0.02   2680.  0.0025
11106          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
11107          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

11108          KK   D83TR
11109          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
11110          KM   83RD & THOMAS
11111          DR   D83TR

11112          KK    R83R
11113          KM   STREET ROUTE
11114          KM   SOUTH
11115          KM   83RD Avenue
11116          RS       3    FLOW     -1.
11117          RC    0.02   0.016    0.02   2640.  0.0032
11118          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
11119          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
1                                          HEC-1 INPUT                                                    PAGE247

 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


11120          KK  D3521W
11121          KM   RETRIEVAL OF SUB-BASIN DIVERSION
11122          KM   SUB-BASIN 35-21
11123          DR  D3521W

11124          KK    C83I
11125          KM   NORTH/SOUTH STREET COMBINE
11126          KM   83RD AVENUE
11127          HC       2  66.127

11128          KK   S83JS
11129          KM   STREET CAPACITY DIVERSION
11130          KM   83RD
11131          KM   DIVERSION TO WEST
11132          KM   STORM DRAIN ALONG 83RD AVE
11133          KM   CAP= 243.0 CFS SOUTH
11134          DT   S83JW
11135          DI       0    276.    300.   1178.   1844.
11136          DQ       0     0.1     17.    388.    670.

11137          KK    R83S
11138          KM   STREET ROUTE
11139          KM   SOUTH
11140          KM   83RD Avenue
11141          RS       3    FLOW     -1.
11142          RC    0.02   0.016    0.02   2640.  0.0025
11143          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
11144          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

11145          KK   CMD83
11146          KM   INTERSECTION COMBINE
11147          KM   MCDOWELL & 83TH
11148          HC       2  66.127

11149          KK   DMD83
11150          KM   STREET INTERSECTION DIVERSION
11151          KM   MCDOWELL & 83RD
11152          KM   62% West & 38% South
11153          KM   DIVERSION SOUTH
11154          KM   STORM DRAIN ALONG 83RD AVE
11155          KM   CAP= 243.0 CFS SOUTH
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11156          DT   D83MD
11157          DI       0    243.  10243.
11158          DQ       0    243.   4023.

11159          KK   RMD14
11160          KM   STREET ROUTE
11161          KM   WEST
11162          KM   MCDOWELL
11163          RS       3    FLOW     -1.
11164          RC    0.02   0.016    0.02   2620.  0.0028
11165          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
11166          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
1                                                HEC-1 INPUT                                                    PAGE248

 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


11167          KK   STR9S
11168          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
11169          KM   THOMAS
11170          DR   STR9S

11171          KK  R3421S
11172          KM   SUB-BASIN STREET ROUTE
11173          KM   SOUTH
11174          KM   RW= 170'
11175          KM   PAV= 113'
11176          RS       7    FLOW     -1.
11177          RC    0.02   0.016    0.02   6140.  0.0026
11178          RX       0     0.1    28.5    38.5   131.5   141.5    170.   170.1
11179          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

11180          KK   34-21
11181          KM   SUB-BASIN 34-21
11182          KM   6-HOUR RAINFALL, PATTERN NO. 1.41 WAS USED TO FIND TC & R FOR THIS BASIN
11183          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .987
11184          KM     L = 1.48  Kb = .062  Adj. Slope =   14.0
11185          BA   1.006
11186          LG    .260    .180   8.800    .070  22.000
11187          UC   1.192    .613
11188          UA       0       5      16      30      65      77      84      90      94      97
11189          UA     100

11190          KK   S83JW
11191          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
11192          KM   83RD
11193          DR   S83JW

11194          KK  R3421W
11195          KM   SUB-BASIN STREET ROUTE
11196          KM   WEST
11197          KM   RW= 120'
11198          KM   PAV= 78'
11199          RS       7    FLOW     -1.
11200          RC    0.02   0.016    0.02   5460.  0.0023
11201          RX       0     0.1    21.0    31.0    89.0    99.0    120.   120.1
11202          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

11203          KK  C34-21
11204          KM   SUB-BASIN COMBINE
11205          HC       3  75.397

11206          KK  D3421S
11207          KM   SUB-BASIN DIVERSION
11208          KM   SUB-BASIN 34-21
11209          KM   55% West & 45% South
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11210          DT  D3421W
11211          DI       0  10000.
11212          DQ       0   5500.
1                                        HEC-1 INPUT                                                    PAGE249

 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


11213          KK    CMD8
11214          KM   EAST/WEST STREET COMBINE
11215          HC       2  75.397

11216          KK   SMD9W
11217          KM   STREET CAPACITY DIVERSION
11218          KM   MCDOWELL
11219          KM   DIVERSION TO SOUTH
11220          DT   SMD9S
11221          DI       0     28.     43.    645.   1104.
11222          DQ       0     0.1      8.    177.    305.

11223          KK   RMD15
11224          KM   STREET ROUTE
11225          KM   WEST
11226          KM   MCDOWELL
11227          RS       4    FLOW     -1.
11228          RC    0.02   0.016    0.02   2560.  0.0014
11229          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
11230          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

11231          KK   D91TR
11232          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
11233          KM   91ST & THOMAS
11234          DR   D91TR

11235          KK    R91O
11236          KM   STREET ROUTE
11237          KM   SOUTH
11238          KM   91ST Avenue
11239          RS       3    FLOW     -1.
11240          RC    0.02   0.016    0.02   2650.  0.0023
11241          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
11242          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

11243          KK  D3421W
11244          KM   RETRIEVAL OF SUB-BASIN DIVERSION
11245          KM   SUB-BASIN 34-21
11246          DR  D3421W

11247          KK    C91H
11248          KM   NORTH/SOUTH STREET COMBINE
11249          KM   91ST AVENUE
11250          HC       2  75.397

11251          KK   S91HS
11252          KM   STREET CAPACITY DIVERSION
11253          KM   91ST
11254          KM   DIVERSION TO WEST
11255          KM   STORM DRAIN ALONG 91ST AVE
11256          KM   CAP= 380.0 CFS SOUTH
11257          DT   S91HW
11258          DI       0    408.    425.   1067.   1556.
11259          DQ       0     0.1      9.    212.    365.
1                                        HEC-1 INPUT                                                    PAGE250

 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10
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11260          KK    R91P
11261          KM   STREET ROUTE
11262          KM   SOUTH
11263          KM   91ST Avenue
11264          RS       4    FLOW     -1.
11265          RC    0.02   0.016    0.02   2700.  0.0020
11266          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
11267          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

11268          KK   CMD91
11269          KM   INTERSECTION COMBINE
11270          KM   MCDOWELL & 91ST
11271          HC       2  75.397

11272          KK   DMD91
11273          KM   STREET INTERSECTION DIVERSION
11274          KM   MCDOWELL & 91ST
11275          KM   42% West & 58% South
11276          KM   DIVERSION SOUTH
11277          KM   STORM DRAIN ALONG 91ST AVE
11278          KM   CAP= 380.0 CFS SOUTH
11279          DT   D91MD
11280          DI       0    380.  10380.
11281          DQ       0    380.   6180.

11282          KK   RMD16
11283          KM   STREET ROUTE
11284          KM   WEST
11285          KM   MCDOWELL
11286          RS       6    FLOW     -1.
11287          RC    0.02   0.016    0.02   2660.  0.0006
11288          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
11289          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

11290          KK  STR10S
11291          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
11292          KM   THOMAS
11293          DR  STR10S

11294          KK  R3321S
11295          KM   SUB-BASIN STREET ROUTE
11296          KM   SOUTH
11297          KM   RW= 50'
11298          KM   PAV= 35'
11299          RS       7    FLOW     -1.
11300          RC    0.02   0.016    0.02   5160.  0.0019
11301          RX       0     0.1     7.5    17.5    32.5    42.5     50.    50.1
11302          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0
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 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

11303          KK   33-21
11304          KM   SUB-BASIN 33-21
11305          KM   6-HOUR RAINFALL, PATTERN NO. 1.40 WAS USED TO FIND TC & R FOR THIS BASIN
11306          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .987
11307          KM     L = 1.32  Kb = .077  Adj. Slope =    7.0
11308          BA    .991
11309          LG    .480    .140   9.700    .070   4.000
11310          UC   1.500    .728
11311          UA       0       5      16      30      65      77      84      90      94      97
11312          UA     100

11313          KK   S91HW
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11314          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
11315          KM   91ST
11316          DR   S91HW

11317          KK  R3321W
11318          KM   SUB-BASIN STREET ROUTE
11319          KM   WEST
11320          KM   RW= 50'
11321          KM   PAV= 35'
11322          RS      11    FLOW     -1.
11323          RC    0.02   0.016    0.02   5300.  0.0008
11324          RX       0     0.1     7.5    17.5    32.5    42.5     50.    50.1
11325          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

11326          KK  C33-21
11327          KM   SUB-BASIN COMBINE
11328          HC       3  81.256

11329          KK  D3321S
11330          KM   SUB-BASIN DIVERSION
11331          KM   SUB-BASIN 33-21
11332          KM   62% West & 38% South
11333          DT  D3321W
11334          DI       0  10000.
11335          DQ       0   6200.

11336          KK   RES33
11337          KM   PONDING AREA RESERVOIR ROUTE
11338          KM   PONDING AREA NORTHEAST OF RID CANAL
11339          KM   SUB-BASIN 33-21
11340          RS       1    ELEV   1122.
11341          SV       0   64.70  177.70  256.70  350.83
11342          SE   1122.   1123.   1124.  1124.5   1125.
11343          SQ      0.     0.1   1355.   7170.  31884.

11344          KK    CMD9
11345          KM   EAST/WEST STREET COMBINE
11346          HC       2  81.256
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 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

11347          KK  SMD10W
11348          KM   STREET CAPACITY DIVERSION
11349          KM   MCDOWELL
11350          KM   DIVERSION TO SOUTH
11351          DT  SMD10S
11352          DI       0     15.     28.    467.    800.
11353          DQ       0     0.1      9.    212.    365.

11354          KK  RMD16A
11355          KM   STREET ROUTE
11356          KM   WEST
11357          KM   MCDOWELL
11358          RS       6    FLOW     -1.
11359          RC    0.02   0.016    0.02   2660.  0.0006
11360          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
11361          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

11362          KK   D99TR
11363          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
11364          KM   99TH & THOMAS
11365          DR   D99TR

11366          KK    R99J
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```
11367          KM   STREET ROUTE
11368          KM   SOUTH
11369          KM   99TH Avenue
11370          RS       9    FLOW     -1.
11371          RC    0.02   0.016    0.02   2690.  0.0003
11372          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
11373          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

11374          KK  D3321W
11375          KM   RETRIEVAL OF SUB-BASIN DIVERSION
11376          KM   SUB-BASIN 33-21
11377          DR  D3321W

11378          KK    C99E
11379          KM   NORTH/SOUTH STREET COMBINE
11380          KM   99TH AVENUE
11381          HC       2  81.256

11382          KK   S99ES
11383          KM   STREET CAPACITY DIVERSION
11384          KM   99TH
11385          KM   DIVERSION TO WEST
11386          DT   S99EW
11387          DI       0     19.     31.    490.    838.
11388          DQ       0     0.1      7.    177.    305.
```



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 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

11389          KK    R99K
11390          KM   STREET ROUTE
11391          KM   SOUTH
11392          KM   99TH Avenue
11393          RS       4    FLOW     -1.
11394          RC    0.02   0.016    0.02   2640.  0.0016
11395          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
11396          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

11397          KK   CMD99
11398          KM   INTERSECTION COMBINE
11399          KM   MCDOWELL & 99TH
11400          HC       2  81.256

11401          KK   DMD99
11402          KM   STREET INTERSECTION DIVERSION
11403          KM   MCDOWELL & 99TH
11404          KM   28% West & 72% South
11405          DT   D99MD
11406          DI       0  10000.
11407          DQ       0   7200.

11408          KK   RMD17
11409          KM   STREET ROUTE
11410          KM   WEST
11411          KM   MCDOWELL
11412          RS       4    FLOW     -1.
11413          RC    0.02   0.016    0.02   2660.  0.0018
11414          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
11415          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

11416          KK  32-21E
11417          KM   SUB-BASIN 32-21E
11418          KM   6-HOUR RAINFALL, PATTERN NO. 1.00 WAS USED TO FIND TC & R FOR THIS BASIN
11419          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .997
11420          KM     L =  .49  Kb = .088  Adj. Slope =   10.0
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11421          BA    .243
11422          LG    .450    .140   9.700    .070  10.000
11423          UC    .796    .363
11424          UA      0       5      16      30      65      77      84      90      94      97
11425          UA     100

11426          KK   S99EW
11427          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
11428          KM   99TH AVENUE
11429          DR   S99EW

11430          KK  C3221E
11431          KM   SUB-BASIN COMBINE
11432          HC       2  81.499
1                                        HEC-1 INPUT                                                    PAGE254

 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


11433          KK  RES32E
11434          KM   PONDING AREA RESERVOIR ROUTE
11435          KM   PONDING AREA EAST OF RID CANAL
11436          KM   SUB-BASIN 32-21E
11437          RS       1    ELEV   1020.
11438          SV       0   15.73   25.07   35.38   85.58
11439          SE   1020.   1021.  1021.5   1022.   1023.
11440          SQ      0.     0.1   1069.   3077   11170.

11441          KK  32-21W
11442          KM   SUB-BASIN 32-21W
11443          KM   6-HOUR RAINFALL, PATTERN NO. 1.25 WAS USED TO FIND TC & R FOR THIS BASIN
11444          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .990
11445          KM     L =  .90  Kb = .079  Adj. Slope =    1.0
11446          BA    .772
11447          LG    .470    .150   8.800    .090   5.000
11448          UC   1.000    .394
11449          UA      0       5      16      30      65      77      84      90      94      97
11450          UA     100

11451          KK  C3221W
11452          KM   SUB-BASIN COMBINE
11453          HC       2  82.271

11454          KK  D3221S
11455          KM   SUB-BASIN DIVERSION
11456          KM   SUB-BASIN 32-21W
11457          KM   94% West & 6% South
11458          DT  D3221W
11459          DI       0  10000.
11460          DQ       0   9400.

11461          KK   CMD10
11462          KM   EAST/WEST STREET COMBINE
11463          HC       2  82.271

11464          KK  SMD11W
11465          KM   STREET CAPACITY DIVERSION
11466          KM   MCDOWELL
11467          KM   DIVERSION TO SOUTH
11468          DT  SMD11S
11469          DI       0     28.     42.    639.   1092.
11470          DQ       0     0.1      8.    177.    305.

11471          KK   RMD18
11472          KM   STREET ROUTE
11473          KM   WEST
```


K/L4PRINT

```
11474          KM   MCDOWELL
11475          RS       3    FLOW     -1.
11476          RC    0.02   0.016    0.02   2620.  0.0023
11477          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
11478          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
```



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LINE           ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

11479          KK  D107TR
11480          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
11481          KM   107TH & THOMAS
11482          DR  D107TR

11483          KK  D3221W
11484          KM   RETRIEVAL OF SUB-BASIN DIVERSION
11485          KM   SUB-BASIN 32-21W
11486          DR  D3221W

11487          KK   C107D
11488          KM   NORTH/SOUTH STREET COMBINE
11489          KM   107TH AVENUE
11490          HC       2  85.017

11491          KK  S107BS
11492          KM   STREET CAPACITY DIVERSION
11493          KM   107TH AVENUE
11494          KM   DIVERSION TO WEST
11495          KM   100% FLOW TO SOUTH
11496          DT  S107BW
11497          DI       0  10000.
11498          DQ       0     0.1

11499          KK   R107D
11500          KM   CHANNEL ROUTE ALONG THE WEST SIDE OF 107TH AVENUE
11501          KM   SOUTH
11502          RS       4    FLOW     -1.
11503          RC    0.02   0.016    0.02   2640.  0.0023
11504          RX     0.0     0.1      4.     8.0     12.    16.0    19.1     20.
11505          RY     8.0     7.9     4.0     0.0     0.0     4.0     7.9     8.0

11506          KK  CMD107
11507          KM   INTERSECTION COMBINE
11508          KM   MCDOWELL & 107TH
11509          HC       2  85.017

11510          KK  DMD107
11511          KM   STREET INTERSECTION DIVERSION
11512          KM   MCDOWELL & 107TH
11513          KM   100% West & 0% South
11514          DT  D107MD
11515          DI       0  10000.
11516          DQ       0  10000.

11517          KK   RMD19
11518          KM   STREET ROUTE
11519          KM   WEST
11520          KM   MCDOWELL
11521          RS       3    FLOW     -1.
11522          RC    0.02   0.016    0.02   2650.  0.0020
11523          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
11524          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
```



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LINE           ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10
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```
11525          KK  STR11S
11526          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
11527          KM   THOMAS
11528          DR  STR11S

11529          KK  R3121S
11530          KM   SUB-BASIN STREET ROUTE
11531          KM   SOUTH
11532          KM   RW= 50'
11533          KM   PAV= 35'
11534          RS      11    FLOW     -1.
11535          RC    0.02   0.016    0.02   5340.  0.0008
11536          RX       0     0.1     7.5    17.5    32.5    42.5     50.    50.1
11537          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

11538          KK   31-21
11539          KM   SUB-BASIN 31-21
11540          KM   6-HOUR RAINFALL, PATTERN NO. 1.38 WAS USED TO FIND TC & R FOR THIS BASIN
11541          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .987
11542          KM     L = 1.20  Kb = .080  Adj. Slope =    9.0
11543          BA    .965
11544          LG    .500    .150   8.000    .130    .000
11545          UC   1.500    .685
11546          UA       0       5      16      30      65      77      84      90      94      97
11547          UA     100

11548          KK  S107BW
11549          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
11550          KM   107TH
11551          DR  S107BW

11552          KK  C31-21
11553          KM   SUB-BASIN COMBINE
11554          HC       3  86.731

11555          KK  D3121S
11556          KM   SUB-BASIN DIVERSION
11557          KM   SUB-BASIN 31-21
11558          KM   60% West & 40% South
11559          DT  D3121W
11560          DI       0  10000.
11561          DQ       0   6000.

11562          KK   CMD11
11563          KM   EAST/WEST STREET COMBINE
11564          HC       2  86.731

11565          KK  SMD12W
11566          KM   STREET CAPACITY DIVERSION
11567          KM   MCDOWELL
11568          KM   DIVERSION TO SOUTH
11569          DT  SMD12S
11570          DI       0     29.     45.    672.   1149.
11571          DQ       0     0.1      8.    177.    305.
```



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 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

11572          KK   RMD20
11573          KM   STREET ROUTE
11574          KM   WEST
11575          KM   MCDOWELL
11576          RS       3    FLOW     -1.
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11577          RC    0.02   0.016    0.02   2450.  0.0027
11578          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
11579          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

11580          KK  D115TR
11581          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
11582          KM   115TH & THOMAS
11583          DR  D115TR

11584          KK   R115A
11585          KM   STREET ROUTE
11586          KM   SOUTH
11587          KM   115TH Avenue
11588          RS       3    FLOW     -1.
11589          RC    0.02   0.016    0.02   2650.  0.0021
11590          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
11591          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

11592          KK  D3121W
11593          KM   RETRIEVAL OF SUB-BASIN DIVERSION
11594          KM   SUB-BASIN 31-21
11595          DR  D3121W

11596          KK   C115A
11597          KM   NORTH/SOUTH STREET COMBINE
11598          KM   115TH AVENUE
11599          HC       2  86.731

11600          KK  S115AS
11601          KM   STREET CAPACITY DIVERSION
11602          KM   115TH
11603          KM   DIVERSION TO WEST
11604          DT  S115AW
11605          DI       0     26.     41.    645.   1104.
11606          DQ       0     0.1      9.    212.    365.

11607          KK   R115B
11608          KM   STREET ROUTE
11609          KM   SOUTH
11610          KM   115TH Avenue
11611          RS       4    FLOW     -1.
11612          RC    0.02   0.016    0.02   2630.  0.0015
11613          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
11614          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
1                                          HEC-1 INPUT                                                    PAGE258

 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


11615          KK  CMD115
11616          KM   INTERSECTION COMBINE
11617          KM   MCDOWELL & 115TH
11618          HC       2  86.731

11619          KK  DMD115
11620          KM   STREET INTERSECTION DIVERSION
11621          KM   MCDOWELL & 115TH
11622          KM   41% West & 59% South
11623          DT  D115MD
11624          DI       0  10000.
11625          DQ       0   5900.

11626          KK   RMD21
11627          KM   STREET ROUTE
11628          KM   WEST
11629          KM   MCDOWELL
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```
11630   RS      4   FLOW    -1.
11631   RC   0.02  0.016   0.02  2650.  0.0018
11632   RX   44.9    45.    66.   66.1   134.   134.1   155.   155.1
11633   RY    4.3    0.3    0.3    0.0    0.0     0.3    0.3     4.3

11634   KK  36-W21
11635   KM   SUB-BASIN 36-W21
11636   KM   6-HOUR RAINFALL, PATTERN NO. 1.30 WAS USED TO FIND TC & R FOR THIS BASIN
11637   KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .989
11638   KM     L =  .92  Kb = .070  Adj. Slope =   27.0
11639   BA    .837
11640   LG    .400   .210  5.400   .340  20.000
11641   UC    .788   .294
11642   UA      0      5     16     30     65     77     84     90     94     97
11643   UA    100

11644   KK  S115AW
11645   KM   RETRIEVAL OF STREET CAPACITY DIVERSION
11646   KM   115TH
11647   DR  S115AW

11648   KK  R3621A
11649   KM   SUB-BASIN STREET ROUTE
11650   KM   WEST
11651   KM   RW= 70'
11652   KM   PAV= 43'
11653   RS      2   FLOW    -1.
11654   RC   0.02  0.016   0.02  3400.  0.0066
11655   RX      0    0.1   13.5   23.5   46.5    56.5    70.    70.1
11656   RY    4.0    0.0    0.0    0.0    0.0     0.0    0.0     4.0

11657   KK  C36W21
11658   KM   SUB-BASIN COMBINE
11659   HC      2  87.567
```



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 LINE   ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

11660   KK  D36W21
11661   KM   SUB-BASIN DIVERSION
11662   KM   SUB-BASIN 36-W21
11663   KM   66% West & 34% South
11664   DT  D36S21
11665   DI      0  10000.
11666   DQ      0   6600.

11667   KK   CMD12
11668   KM   EAST/WEST STREET COMBINE
11669   HC      2  87.567

11670   KK  SMD13W
11671   KM   STREET CAPACITY DIVERSION
11672   KM   MCDOWELL
11673   KM   DIVERSION TO SOUTH
11674   DT  SMD13S
11675   DI      0    35.    59.   942.  1613.
11676   DQ      0    0.1    15.   353.   609.

11677   KK   RMD22
11678   KM   STREET ROUTE
11679   KM   WEST
11680   KM   MCDOWELL
11681   RS      4   FLOW    -1.
11682   RC   0.02  0.016   0.02  4840.  0.0041
11683   RX   44.9    45.    66.   66.1   134.   134.1   155.   155.1
```


1C/14PRINT

```
11684          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

11685          KK  D36S21
11686          KM   RETRIEVAL OF SUB-BASIN DIVERSION
11687          KM   SUB-BASIN 36-W21
11688          DR  D36S21

11689          KK   NULL9
11690          KM   COMBINE FLOWS FROM MCDOWELL COMPUTATIONAL PATH WITH THOMAS
11691          HC       3     1.
               *
               *  I-10 COMPUTATIONAL PATH
               *

11692          KK   D27MD
11693          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
11694          KM   27TH & MCDOWELL
11695          DR   D27MD

11696          KK    1-12
11697          KM   SUB-BASIN 1-12
11698          KM   6-HOUR RAINFALL, PATTERN NO. 1.00 WAS USED TO FIND TC & R FOR THIS BASIN
11699          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .999
11700          KM     L =  .45  Kb = .029  Adj. Slope =   18.0
11701          BA    .099
11702          LG    .110    .260   5.600    .270  71.000
11703          UC    .262    .165
1                                        HEC-1 INPUT                                          PAGE260

 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

11704          UA       0       5      16      30      65      77      84      90      94      97
11705          UA     100

11706          KK   C1-12
11707          KM   SUB-BASIN COMBINE
11708          HC       2  17.358

11709          KK   DI10A
11710          KM   INTERSECTION DIVERSION
11711          KM   I-10 & 27TH
11712          KM   100% West & 0% South
11713          KM   DIVERSION SOUTH
11714          KM   STORM DRAIN ALONG 27TH AVE
11715          KM   CAP= 131.0 CFS SOUTH
11716          DT   DA1IO
11717          DI       0    131.  10131.
11718          DQ       0    131.    131.

11719          KK   R212W
11720          KM   SUB-BASIN STREET ROUTE
11721          KM   WEST
11722          KM   RW= 50'
11723          KM   PAV= 35'
11724          RS      15    FLOW     -1.
11725          RC    0.02   0.016    0.02   5300.  0.0004
11726          RX       0     0.1     7.5    17.5    32.5    42.5     50.    50.1
11727          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

11728          KK   D35MD
11729          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
11730          KM   35TH & MCDOWELL
11731          DR   D35MD

11732          KK   SMD1S
11733          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
```


R/L4PRINT

```
11734          KM   MCDOWELL
11735          DR   SMD1S

11736          KK   R212S
11737          KM   SUB-BASIN STREET ROUTE
11738          KM   SOUTH
11739          KM   RW= 270'
11740          KM   PAV= 183'
11741          RS       4    FLOW     -1.
11742          RC    0.02   0.016    0.02   3590.  0.0027
11743          RX       0     0.1    43.5    53.5   216.5   226.5    270.   270.1
11744          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

11745          KK    2-12
11746          KM   SUB-BASIN 2-12
11747          KM   6-HOUR RAINFALL, PATTERN NO. 1.00 WAS USED TO FIND TC & R FOR THIS BASIN
11748          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .997
11749          KM     L =  .70  Kb = .050  Adj. Slope =   14.0
11750          BA    .229
11751          LG    .160    .140  10.100    .040  53.000
1                                           HEC-1 INPUT                                                    PAGE261

 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

11752          UC    .554    .335
11753          UA       0       5      16      30      65      77      84      90      94      97
11754          UA     100

11755          KK   C2-12
11756          KM   SUB-BASIN COMBINE
11757          HC       4  19.056

11758          KK   DI10B
11759          KM   INTERSECTION DIVERSION
11760          KM   I-10 & 35TH
11761          KM   100% West & 0% South
11762          DT   DBI10
11763          DI       0  10000.
11764          DQ       0     0.1

11765          KK   R312W
11766          KM   SUB-BASIN STREET ROUTE
11767          KM   WEST
11768          KM   RW= 100'
11769          KM   PAV= 70'
11770          RS      12    FLOW     -1.
11771          RC    0.02   0.016    0.02   5430.  0.0007
11772          RX       0     0.1    15.0    25.0    75.0    85.0    100.   100.1
11773          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

11774          KK   D43MD
11775          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
11776          KM   43RD & MCDOWELL
11777          DR   D43MD

11778          KK   SMD2S
11779          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
11780          KM   MCDOWELL
11781          DR   SMD2S

11782          KK   R312S
11783          KM   SUB-BASIN STREET ROUTE
11784          KM   SOUTH
11785          KM   RW= 220'
11786          KM   PAV= 148'
11787          RS       6    FLOW     -1.
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11788          RC    0.02   0.016    0.02   3840.  0.0015
11789          RX       0     0.1    36.0    46.0   174.0   184.0    220.   220.1
11790          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

11791          KK    3-12
11792          KM   SUB-BASIN 3-12
11793          KM   6-HOUR RAINFALL, PATTERN NO. 1.00 WAS USED TO FIND TC & R FOR THIS BASIN
11794          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .997
11795          KM     L =  .72  Kb = .081  Adj. Slope =    7.0
11796          BA    .241
11797          LG    .220    .150   9.700    .060  44.000
11798          UC   1.100    .712
11799          UA       0       5      16      30      65      77      84      90      94      97
1                                                HEC-1 INPUT                                          PAGE262

 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

11800          UA     100

11801          KK   C3-12
11802          KM   SUB-BASIN COMBINE
11803          HC       4  21.767

11804          KK   DI10C
11805          KM   INTERSECTION DIVERSION
11806          KM   I-10 & 43RD
11807          KM   100% West & 0% South
11808          KM   DIVERSION SOUTH
11809          KM   STORM DRAIN ALONG 43RD AVE
11810          KM   CAP= 207.0 CFS SOUTH
11811          DT   DC1IO
11812          DI       0    207.  10207.
11813          DQ       0    207.    207.

11814          KK   R412W
11815          KM   I-10 CHANNEL ROUTE
11816          KM   WEST
11817          KM   BOTTOM WIDTH = 30'
11818          KM   TOP WIDTH = 100'
11819          KM   DEPTH = 18'
11820          KM   SIDE SLOPES = 2:1
11821          RS       2    FLOW     -1.
11822          RC    0.02   0.016    0.02   5180.  0.0027
11823          RX       0     0.1    18.0    36.0    66.0    84.0   102.0   102.1
11824          RY    18.0   17.05     9.0     0.0     0.0     9.0   17.05    18.0

11825          KK   D51MD
11826          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
11827          KM   51ST & MCDOWELL
11828          DR   D51MD

11829          KK   SMD4S
11830          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
11831          KM   MCDOWELL
11832          DR   SMD4S

11833          KK   SMD3S
11834          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
11835          KM   MCDOWELL
11836          DR   SMD3S

11837          KK   C4-12
11838          KM   SUB-BASIN COMBINE
11839          HC       2  24.666

11840          KK   R412S
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11841          KM   SUB-BASIN STREET ROUTE
11842          KM   SOUTH
11843          KM   RW= 210'
11844          KM   PAV= 129'
11845          RS       6    FLOW     -1.
11846          RC    0.02   0.016    0.02   3390.  0.0012
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 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

11847          RX       0     0.1    40.5    50.5   159.5   169.5    210.   210.1
11848          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

11849          KK    4-12
11850          KM   SUB-BASIN 4-12
11851          KM   6-HOUR RAINFALL, PATTERN NO. 1.00 WAS USED TO FIND TC & R FOR THIS BASIN
11852          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .997
11853          KM     L =  .71  Kb = .028  Adj. Slope =    9.0
11854          BA    .216
11855          LG    .200    .250   9.700    .040   1.000
11856          UC    .463    .286
11857          UA       0       5      16      30      65      77      84      90      94      97
11858          UA     100

11859          KK  CI1051
11860          KM   SUB-BASIN COMBINE
11861          HC       4  25.452

11862          KK   DI10D
11863          KM   INTERSECTION DIVERSION
11864          KM   I-10 & 51ST
11865          KM   100% West & 0% South
11866          DT   DDI10
11867          DI       0  10000.
11868          DQ       0     0.0

11869          KK   R512W
11870          KM   I-10 CHANNEL ROUTE
11871          KM   WEST
11872          KM   BOTTOM WIDTH = 30'
11873          KM   TOP WIDTH = 100'
11874          KM   DEPTH = 18'
11875          KM   SIDE SLOPES = 2:1
11876          RS       3    FLOW     -1.
11877          RC    0.02   0.016    0.02   5150.  0.0017
11878          RX       0     0.1    18.0    36.0    66.0    84.0   102.0   102.1
11879          RY    18.0   17.05     9.0     0.0     0.0     9.0   17.05    18.0

11880          KK   D59MD
11881          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
11882          KM   59TH & MCDOWELL
11883          DR   D59MD

11884          KK   SMD5S
11885          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
11886          KM   MCDOWELL
11887          DR   SMD5S

11888          KK   R512S
11889          KM   SUB-BASIN STREET ROUTE
11890          KM   SOUTH
11891          KM   RW= 50'
11892          KM   PAV= 35'
11893          RS       4    FLOW     -1.
11894          RC    0.02   0.016    0.02   3210.  0.0019
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 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

11895          RX       0     0.1     7.5    17.5    32.5    42.5     50.    50.1
11896          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

11897          KK    5-12
11898          KM   SUB-BASIN 5-12
11899          KM   6-HOUR RAINFALL, PATTERN NO. 1.00 WAS USED TO FIND TC & R FOR THIS BASIN
11900          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .998
11901          KM     L =  .90  Kb = .059  Adj. Slope =   14.0
11902          BA    .184
11903          LG    .220    .200   9.700    .050  21.000
11904          UC    .767    .665
11905          UA       0       5      16      30      65      77      84      90      94      97
11906          UA     100

11907          KK   C5-12
11908          KM   SUB-BASIN COMBINE
11909          HC       4  34.679

11910          KK   DI10E
11911          KM   INTERSECTION DIVERSION
11912          KM   I-10 & 59TH
11913          KM   100% West & 0% South
11914          DT   DEI10
11915          DI       0  10000.
11916          DQ       0     0.0

11917          KK   R612W
11918          KM   I-10 CHANNEL ROUTE
11919          KM   WEST
11920          KM   BOTTOM WIDTH = 30'
11921          KM   TOP WIDTH = 100'
11922          KM   DEPTH = 18'
11923          KM   SIDE SLOPES = 2:1
11924          RS       3    FLOW     -1.
11925          RC    0.02   0.016    0.02   5060.  0.0012
11926          RX       0     0.1    18.0    36.0    66.0    84.0   102.0   102.1
11927          RY    18.0   17.05     9.0     0.0     0.0     9.0   17.05    18.0

11928          KK   D67MD
11929          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
11930          KM   67TH & MCDOWELL
11931          DR   D67MD

11932          KK   SMD6S
11933          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
11934          KM   MCDOWELL
11935          DR   SMD6S

11936          KK   R612S
11937          KM   SUB-BASIN STREET ROUTE
11938          KM   SOUTH
11939          KM   RW= 70'
11940          KM   PAV= 43'
11941          RS       4    FLOW     -1.
11942          RC    0.02   0.016    0.02   2620.  0.0018
```



```
 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

11943          RX       0     0.1    13.5    23.5    46.5    56.5     70.    70.1
11944          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

11945          KK    6-12
```

```
11946          KM   SUB-BASIN 6-12
11947          KM   6-HOUR RAINFALL, PATTERN NO. 1.00 WAS USED TO FIND TC & R FOR THIS BASIN
11948          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .998
11949          KM     L =  .93  Kb = .044  Adj. Slope =   10.0
11950          BA    .180
11951          LG    .210    .220   9.700    .040  16.000
11952          UC    .729    .653
11953          UA       0       5      16      30      65      77      84      90      94      97
11954          UA     100

11955          KK   C6-12
11956          KM   SUB-BASIN COMBINE
11957          HC       4  44.970

11958          KK   DI10F
11959          KM   INTERSECTION DIVERSION
11960          KM   I-10 & 67TH
11961          KM   100% West & 0% South
11962          DT   DFI10
11963          DI       0  10000.
11964          DQ       0     0.0

11965          KK   R111W
11966          KM   I-10 CHANNEL ROUTE
11967          KM   WEST
11968          KM   BOTTOM WIDTH = 30'
11969          KM   TOP WIDTH = 100'
11970          KM   DEPTH = 18'
11971          KM   SIDE SLOPES = 2:1
11972          RS       2    FLOW     -1.
11973          RC    0.02   0.016    0.02   5000.  0.0020
11974          RX       0     0.1    18.0    36.0    66.0    84.0   102.0   102.1
11975          RY    18.0   17.05     9.0     0.0     0.0     9.0   17.05    18.0

11976          KK   D75MD
11977          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
11978          KM   75TH & MCDOWELL
11979          DR   D75MD

11980          KK   SMD7S
11981          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
11982          KM   MCDOWELL
11983          DR   SMD7S

11984          KK   R111S
11985          KM   SUB-BASIN STREET ROUTE
11986          KM   SOUTH
11987          KM   RW= 150'
11988          KM   PAV= 105'
11989          RS       4    FLOW     -1.
11990          RC    0.02   0.016    0.02   3220.  0.0019
```



```
 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

11991          RX       0     0.1    22.5    32.5   117.5   127.5    150.   150.1
11992          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

11993          KK    1-11
11994          KM   SUB-BASIN 1-11
11995          KM   6-HOUR RAINFALL, PATTERN NO. 1.00 WAS USED TO FIND TC & R FOR THIS BASIN
11996          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .998
11997          KM     L =  .92  Kb = .066  Adj. Slope =   13.0
11998          BA    .182
11999          LG    .320    .270   6.600    .170   9.000
12000          UC    .979    .893
```


1K/14PRINT

```
12001          UA      0      5     16     30     65     77     84     90     94     97
12002          UA    100

12003          KK   C1-11
12004          KM   SUB-BASIN COMBINE
12005          HC       4  47.765

12006          KK   DI10G
12007          KM   INTERSECTION DIVERSION
12008          KM   I-10 & 75TH
12009          KM   100% West & 0% South
12010          DT   DGI10
12011          DI       0  10000.
12012          DQ       0     0.0

12013          KK   R211W
12014          KM   I-10 CHANNEL ROUTE
12015          KM   WEST
12016          KM   BOTTOM WIDTH = 30'
12017          KM   TOP WIDTH = 100'
12018          KM   DEPTH = 18'
12019          KM   SIDE SLOPES = 2:1
12020          RS       3    FLOW     -1.
12021          RC    0.02   0.016    0.02   5130.  0.0016
12022          RX       0     0.1    18.0    36.0    66.0    84.0   102.0   102.1
12023          RY    18.0   17.05     9.0     0.0     0.0     9.0   17.05    18.0

12024          KK   D83MD
12025          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
12026          KM   83RD & MCDOWELL
12027          DR   D83MD

12028          KK   SMD8S
12029          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
12030          KM   MCDOWELL
12031          DR   SMD8S

12032          KK   R211S
12033          KM   SUB-BASIN STREET ROUTE
12034          KM   SOUTH
12035          KM   RW= 50'
12036          KM   PAV= 35'
12037          RS       4    FLOW     -1.
12038          RC    0.02   0.016    0.02   3250.  0.0027
```



```
 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

12039          RX       0     0.1     7.5    17.5    32.5    42.5     50.    50.1
12040          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

12041          KK    2-11
12042          KM   SUB-BASIN 2-11
12043          KM   6-HOUR RAINFALL, PATTERN NO. 1.00 WAS USED TO FIND TC & R FOR THIS BASIN
12044          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .998
12045          KM     L =  .98  Kb = .098  Adj. Slope =   15.0
12046          BA    .178
12047          LG    .500    .150   7.300    .170   1.000
12048          UC   1.354   1.363
12049          UA       0       5      16      30      65      77      84      90      94      97
12050          UA     100

12051          KK   RET211
12052          KM   RETENTION BASIN DIVERSION
12053          KM   SUB-BASIN 2-11
12054          KM    6% OF SUB-BASIN DRAINS TO RETENTION BASIN
```

```
12055          DT  D2-11R    1.87
12056          DI       0  10000.
12057          DQ       0    600.

12058          KK   C2-11
12059          KM   SUB-BASIN COMBINE
12060          HC       4  67.637

12061          KK   DI10H
12062          KM   INTERSECTION DIVERSION
12063          KM   I-10 & 83RD
12064          KM   100% West & 0% South
12065          DT   DHI10
12066          DI       0  10000.
12067          DQ       0     0.0

12068          KK   R311W
12069          KM   I-10 CHANNEL ROUTE
12070          KM   WEST
12071          KM   BOTTOM WIDTH = 30'
12072          KM   TOP WIDTH = 100'
12073          KM   DEPTH = 18'
12074          KM   SIDE SLOPES = 2:1
12075          RS       3    FLOW     -1.
12076          RC    0.02   0.016    0.02   5170.  0.0016
12077          RX       0     0.1    18.0    36.0    66.0    84.0   102.0   102.1
12078          RY    18.0   17.05     9.0     0.0     0.0     9.0   17.05    18.0

12079          KK   D91MD
12080          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
12081          KM   91ST & MCDOWELL
12082          DR   D91MD
```



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 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

12083          KK   SMD9S
12084          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
12085          KM   MCDOWELL
12086          DR   SMD9S

12087          KK   R311S
12088          KM   SUB-BASIN STREET ROUTE
12089          KM   SOUTH
12090          KM   RW= 50'
12091          KM   PAV= 35'
12092          RS       5    FLOW     -1.
12093          RC    0.02   0.016    0.02   2790.  0.0010
12094          RX       0     0.1     7.5    17.5    32.5    42.5     50.    50.1
12095          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

12096          KK    3-11
12097          KM   SUB-BASIN 3-11
12098          KM   6-HOUR RAINFALL, PATTERN NO. 1.00 WAS USED TO FIND TC & R FOR THIS BASIN
12099          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .998
12100          KM     L = 1.00  Kb = .027  Adj. Slope =   12.0
12101          BA    .168
12102          LG    .170    .220   9.700    .040  21.000
12103          UC    .496    .469
12104          UA       0       5      16      30      65      77      84      90      94      97
12105          UA     100

12106          KK   C3-11
12107          KM   SUB-BASIN COMBINE
12108          HC       4  77.074
```


K&T 4-PRINT

```
12109          KK   DI10I
12110          KM   INTERSECTION DIVERSION
12111          KM   I-10 & 91ST
12112          KM   100% West & 0% South
12113          DT   DII10
12114          DI       0  10000.
12115          DQ       0     0.0

12116          KK   R411W
12117          KM   I-10 CHANNEL ROUTE
12118          KM   WEST
12119          KM   BOTTOM WIDTH = 30'
12120          KM   TOP WIDTH = 100'
12121          KM   DEPTH = 18'
12122          KM   SIDE SLOPES = 2:1
12123          RS       4    FLOW     -1.
12124          RC    0.02   0.016    0.02   5220.  0.0008
12125          RX       0     0.1    18.0    36.0    66.0    84.0   102.0   102.1
12126          RY    18.0   17.05     9.0     0.0     0.0     9.0   17.05    18.0
```



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 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

12127          KK   D99MD
12128          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
12129          KM   99TH & MCDOWELL
12130          DR   D99MD

12131          KK  SMD10S
12132          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
12133          KM   MCDOWELL
12134          DR  SMD10S

12135          KK   R411S
12136          KM   SUB-BASIN STREET ROUTE
12137          KM   SOUTH
12138          KM   RW= 50'
12139          KM   PAV= 35'
12140          RS       6    FLOW     -1.
12141          RC    0.02   0.016    0.02   3170.  0.0010
12142          RX       0     0.1     7.5    17.5    32.5    42.5     50.    50.1
12143          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

12144          KK    4-11
12145          KM   SUB-BASIN 4-11
12146          KM   6-HOUR RAINFALL, PATTERN NO. 1.00 WAS USED TO FIND TC & R FOR THIS BASIN
12147          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .998
12148          KM     L =  .87  Kb = .093  Adj. Slope =   10.0
12149          BA    .176
12150          LG    .480    .150   8.800    .090   4.000
12151          UC   1.354   1.247
12152          UA       0       5      16      30      65      77      84      90      94      97
12153          UA     100

12154          KK   C4-11
12155          KM   SUB-BASIN COMBINE
12156          HC       4  83.109

12157          KK   DI10J
12158          KM   INTERSECTION DIVERSION
12159          KM   I-10 & 99TH
12160          KM   100% West & 0% South
12161          DT   DJI10
12162          DI       0  10000.
```

```
12163          DQ      0     0.0

12164          KK   R511W
12165          KM   I-10 CHANNEL ROUTE
12166          KM   WEST
12167          KM   BOTTOM WIDTH = 30'
12168          KM   TOP WIDTH = 100'
12169          KM   DEPTH = 18'
12170          KM   SIDE SLOPES = 2:1
12171          RS       3    FLOW     -1.
12172          RC    0.02   0.016    0.02   5290.  0.0017
12173          RX       0     0.1    18.0    36.0    66.0    84.0   102.0   102.1
12174          RY    18.0   17.05     9.0     0.0     0.0     9.0   17.05    18.0
1                                              HEC-1 INPUT                                                    PAGE270

 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

12175          KK  D107MD
12176          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
12177          KM   107TH & MCDOWELL
12178          DR  D107MD

12179          KK  SMD11S
12180          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
12181          KM   MCDOWELL
12182          DR  SMD11S

12183          KK   R511S
12184          KM   SUB-BASIN STREET ROUTE
12185          KM   SOUTH
12186          KM   RW= 100'
12187          KM   PAV= 70'
12188          RS       3    FLOW     -1.
12189          RC    0.02   0.016    0.02   2800.  0.0025
12190          RX       0     0.1    15.0    25.0    75.0    85.0    100.   100.1
12191          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

12192          KK    5-11
12193          KM   SUB-BASIN 5-11
12194          KM   6-HOUR RAINFALL, PATTERN NO. 1.00 WAS USED TO FIND TC & R FOR THIS BASIN
12195          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .998
12196          KM     L =  .86  Kb = .098  Adj. Slope =    9.0
12197          BA    .183
12198          LG    .500    .150   9.700    .070    .000
12199          UC   1.479   1.333
12200          UA       0       5      16      30      65      77      84      90      94      97
12201          UA     100

12202          KK   C5-11
12203          KM   SUB-BASIN COMBINE
12204          HC       4  87.052

12205          KK   DI10K
12206          KM   INTERSECTION DIVERSION
12207          KM   I-10 & 107TH
12208          KM   100% West & 0% South
12209          DT   DKI10
12210          DI       0  10000.
12211          DQ       0     0.0

12212          KK   R611W
12213          KM   I-10 CHANNEL ROUTE
12214          KM   WEST
12215          KM   BOTTOM WIDTH = 30'
12216          KM   TOP WIDTH = 100'
```


K/14PRINT

```
12217          KM   DEPTH = 18'
12218          KM   SIDE SLOPES = 2:1
12219          RS       2    FLOW     -1.
12220          RC    0.02   0.016    0.02   5130.  0.0019
12221          RX       0     0.1    18.0    36.0    66.0    84.0   102.0   102.1
12222          RY    18.0   17.05     9.0     0.0     0.0     9.0   17.05    18.0
1                                          HEC-1 INPUT                                                    PAGE271

 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


12223          KK  D115MD
12224          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
12225          KM   115TH & MCDOWELL
12226          DR  D115MD

12227          KK  SMD12S
12228          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
12229          KM   MCDOWELL
12230          DR  SMD12S

12231          KK   R611S
12232          KM   SUB-BASIN STREET ROUTE
12233          KM   SOUTH
12234          KM   RW= 50'
12235          KM   PAV= 35'
12236          RS       3    FLOW     -1.
12237          RC    0.02   0.016    0.02   2930.  0.0033
12238          RX       0     0.1     7.5    17.5    32.5    42.5     50.    50.1
12239          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

12240          KK    6-11
12241          KM   SUB-BASIN 6-11
12242          KM   6-HOUR RAINFALL, PATTERN NO. 1.00 WAS USED TO FIND TC & R FOR THIS BASIN
12243          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .997
12244          KM     L =  .95  Kb = .094  Adj. Slope =   13.0
12245          BA    .221
12246          LG    .490    .150   8.000    .130   1.000
12247          UC   1.337   1.159
12248          UA       0       5      16      30      65      77      84      90      94      97
12249          UA     100

12250          KK   C6-11
12251          KM   SUB-BASIN COMBINE
12252          HC       4  88.987

12253          KK   DI10L
12254          KM   INTERSECTION DIVERSION
12255          KM   I-10 & 115TH
12256          KM   100% West & 0% South
12257          DT   DLI10
12258          DI       0  10000.
12259          DQ       0     0.0

12260          KK  R1W11W
12261          KM   I-10 CHANNEL ROUTE
12262          KM   WEST
12263          KM   BOTTOM WIDTH = 30'
12264          KM   TOP WIDTH = 100'
12265          KM   DEPTH = 18'
12266          KM   SIDE SLOPES = 2:1
12267          RS       4    FLOW     -1.
12268          RC    0.02   0.016    0.02   5340.  0.0009
12269          RX       0     0.1    18.0    36.0    66.0    84.0   102.0   102.1
12270          RY    18.0   17.05     9.0     0.0     0.0     9.0   17.05    18.0
1                                          HEC-1 INPUT                                                    PAGE272
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 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

12271          KK  SMD13S
12272          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
12273          KM   MCDOWELL
12274          DR  SMD13S

12275          KK  R1W11S
12276          KM   SUB-BASIN STREET ROUTE
12277          KM   SOUTH
12278          KM   RW= 50'
12279          KM   PAV= 35'
12280          RS       6    FLOW     -1.
12281          RC    0.02   0.016    0.02   5840.  0.0034
12282          RX       0     0.1     7.5    17.5    32.5    42.5     50.    50.1
12283          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

12284          KK   1-W11
12285          KM   SUB-BASIN 1-W11
12286          KM   6-HOUR RAINFALL, PATTERN NO. 1.00 WAS USED TO FIND TC & R FOR THIS BASIN
12287          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .995
12288          KM     L = 1.43  Kb = .065  Adj. Slope =   16.0
12289          BA    .374
12290          LG    .220    .250   6.600    .150  23.000
12291          UC   1.163   1.020
12292          UA       0       5      16      30      65      77      84      90      94      97
12293          UA     100

12294          KK  C1-W11
12295          KM   SUB-BASIN COMBINE
12296          HC       3  90.195

12297          KK  R1W11A
12298          KM   I-10 CHANNEL ROUTE
12299          KM   WEST
12300          KM   BOTTOM WIDTH = 30'
12301          KM   TOP WIDTH = 100'
12302          KM   DEPTH = 18'
12303          KM   SIDE SLOPES = 2:1
12304          RS       1    FLOW     -1.
12305          RC    0.02   0.016    0.02   2040.  0.0015
12306          RX       0     0.1    18.0    36.0    66.0    84.0   102.0   102.1
12307          RY    18.0   17.05     9.0     0.0     0.0     9.0   17.05    18.0

12308          KK   2-W11
12309          KM   SUB-BASIN 2-W11
12310          KM   6-HOUR RAINFALL, PATTERN NO. 1.00 WAS USED TO FIND TC & R FOR THIS BASIN
12311          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .999
12312          KM     L =  .86  Kb = .039  Adj. Slope =   19.0
12313          BA    .085
12314          LG    .200    .340   5.000    .240   6.000
12315          UC    .529    .660
12316          UA       0       5      16      30      65      77      84      90      94      97
12317          UA     100
```



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 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

12318          KK  C2-W11
12319          KM   SUB-BASIN COMBINE
12320          HC       2  90.280

12321          KK  NULL10
```

```
          12322          KM   COMBINE FLOWS FROM MCDOWELL WITH I10 COMPUTATION PATH
          12323          HC       2     1.
          12324          ZZ
1
                SCHEMATIC DIAGRAM OF STREAM NETWORK
 INPUT
  LINE      (V) ROUTING          (--->) DIVERSION OR PUMP FLOW

   NO.      (.) CONNECTOR        (<---) RETURN OF DIVERTED OR PUMPED FLOW

   103        7-32
                .
                .
   117          .-------->   D7-32
   113      RET7
                .
                .
   124          .-------->   D67TB
   120      DTB67
                V
                V
   127      RTB1
                .
                .
   135          .       12-31
                .           .
                .           .
   149          .           .-------->  D1231W
   145          .      D1231S
                .           .
                .           .
   152      CTB1 ............
                .
                .
   160          .-------->   STB1S
   156      STB1W
                V
                V
   163      RTB2
                .
                .
   174          .           .<--------  D1231W
   171          .      D1231W
                .           .
                .           .
   179          .           .-------->   S75AW
   175          .       S75AS
                .           V
                .           V
   182          .       R75A
                .           .
                .           .
   190      CTB75............
                .
                .
   198          .-------->   D75TB
   194      DTB75
                V
                V
   201      RTB3
                .
                .
   209          .        2-31
                .           .
                .           .
   223          .           .-------->   D231W
```

```
219          .      D231S
             .          V
             .          V
226          .     R1131S
             .          .
             .          .
235          .          .      11-31
             .          .          .
             .          .          .
247          .          .          .<-------   S75AW
245          .          .      S75AW
             .          .          V
             .          .          V
248          .          .     R1131W
             .          .          .
             .          .          .
257          .     C11-31.......................
             .          .
             .          .
264          .          .-------> D1131W
260          .     D1131S
             .          .
             .          .
267      CTB2 ............
             .
             .
275          .------->   STB2S
271      STB2W
             V
             V
278      RTB4
             .
             .
289          .          .<-------  D1131W
286          .     D1131W
             .          V
             .          V
290          .      R83A
             .          .
             .          .
298      CTB83............
             .
             .
306          .------->   D83TB
302      DTB83
             .
             .
309          .      10-31
             .          .
             .          .
319     CADOT1............
             .
             .
329          .-------> ADOT1S
323     ADOT1W
             .
             .
332          .      17-32
             .          .
             .          .
346          .          .------->   D1732
342          .      RET17
             .          .
             .          .
353          .          .------->   D59CR
349          .      DCR59
```

```
                 .          V
                 .          V
356              .      RCR1
                 .          .
                 .          .
364              .          .      18-32
                 .          .          .
                 .          .          .
378              .          .          .-------> D1832W
374              .          .     D1832S
                 .          .          .
                 .          .          .
381              .      CCR1 ............
                 .          .
                 .          .
389              .          .------->  SCR1S
385              .      SCR1W
                 .          V
                 .          V
392              .      RCR2
                 .          .
                 .          .
403              .          .          .<-------  D67TB
400              .          .     D67TB
                 .          .          V
                 .          .          V
404              .          .     R67A
                 .          .          .
                 .          .          .
415              .          .          .          .<------- D1832W
412              .          .          .     D1832W
                 .          .          .          .
                 .          .          .          .
416              .          .     C67A ............
                 .          .          .
                 .          .          .
424              .          .          .-------> S67AW
420              .          .     S67AS
                 .          .          V
                 .          .          V
427              .          .     R67B
                 .          .          .
                 .          .          .
435              .      CCR67............
                 .          .
                 .          .
446              .          .------->  D67CR
439              .      DCR67
                 .          V
                 .          V
449              .      RCR3
                 .          .
                 .          .
459              .          .          .<-------  STB1S
457              .          .     STB1S
                 .          .          V
                 .          .          V
460              .          .     R1331S
                 .          .          .
                 .          .          .
469              .          .          .     13-31
                 .          .          .          .
                 .          .          .          .
482              .          .          .          .          .<-------  S67AW
479              .          .          .          .     S67AW
                 .          .          .          .          V
```

```
483                                                  V
                                                 R1331W
492                        C13-31
499                                  -------> D1331W
495                        D1331S
502                  CCR2
512                                  -------> SCR2S
506                  SCR2W
                         V
                         V
515                  RCR4
526                                  <------- D75TB
523                        D75TB
                               V
                               V
527                        R75B
538                                                <------- D1331W
535                                     D1331W
539                        C75A
547                                  -------> S75BW
543                        S75BS
                               V
                               V
550                        R75C
558                  CCR75
569                                  -------> D75CR
562                  DCR75
                         V
                         V
572                  RCR5
582                                  <------- STB2S
580                        STB2S
                               V
                               V
583                        R1431S
592                                     14-31
606                                                -------> D14-31
602                                     RET14
```


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```
611                                                  .<-------   S75BW
609                                            S75BW
                                                  V
                                                  V
612                                            R1431W
                                                  .
                                                  .
621                          C14-31.......................
                                  .
                                  .
628                               .-------> D1431W
624                          D1431S
                                  .
                                  .
631                     CCR3 ............
                                  .
                                  .
641                               .------->   SCR3S
635                     SCR3W
                           V
                           V
644                     RCR6
                                  .
                                  .
655                               .<-------   D83TB
652                          D83TB
                                  V
                                  V
656                          R83B
                                  .
                                  .
667                                                .<-------  D1431W
664                                        D1431W
                                                  .
                                                  .
668                          C83A ............
                                  .
                                  .
676                               .------->   S83AW
672                          S83AS
                                  V
                                  V
679                          R83C
                                  .
                                  .
687                     CCR83............
                                  .
                                  .
698                               .------->   D83CR
691                     DCR83
                           V
                           V
701                     RCR7
                                  .
                                  .
709                          15-31
                                  .
                                  .
721                                                .<-------   S83AW
719                                        S83AW
                                                  V
                                                  V
722                                        R1531W
                                                  .
                                                  .
731                          C15-31............
```

```
                 .          .          .
                 .          .          .
738              .          .          .-------> D1531W
734              .          .     D1531S
                 .          .          .
                 .          .          .
741              .      CCR4 ............
                 .          .
                 .          .
751              .          .------->  SCR4S
745              .      SCR4W
                 .          V
                 .          V
754              .      RCR8
                 .          .
                 .          .
762              .          .     22-31E
                 .          .          .
                 .          .          .
778              .          .          .-------> D2231S
772              .          .     D2231E
                 .          .          .
                 .          .          .
784              .          .          .          .<-------  SCR4S
781              .          .          .      SCR4S
                 .          .          .          .
                 .          .          .          .
785              .          .     C2231N............
                 .          .          V
                 .          .          V
788              .          .     R2231E
                 .          .          .
                 .          .          .
797              .      CADOT3............
                 .          V
                 .          V
800              .      R2231N
                 .          .
                 .          .
811              .          .          .<-------  ADOT1S
809              .          .     ADOT1S
                 .          .          V
                 .          .          V
812              .          .     RADOT1
                 .          .          .
                 .          .          .
826              .          .          .          .<-------  D1531W
823              .          .          .      D1531W
                 .          .          .          .
                 .          .          .          .
827              .          .     CADOT2............
                 .          .          .
                 .          .          .
830          NULL1......................
                 .
                 .
834              .      21-32
                 .          .
                 .          .
848              .          .-------> D2132W
844              .      D2132S
                 .          .
                 .          .
855              .          .------->  SPA1S
851              .      SPA1W
                 .          V
```


KC1 4PRINT

```
                 .          V
858              .      RPA1
                 .          .
                 .          .
869              .          .<-------  D2132W
866              .      D2132W
                 .          .
                 .          .
874              .          .------->  S51AW
870              .      S51AS
                 .          V
                 .          V
877              .      R51A
                 .          .
                 .          .
885              .      CPA51............
                 .          .
                 .          .
893              .          .------->  D51PA
889              .      DPA51
                 .          V
                 .          V
896              .      RPA2
                 .          .
                 .          .
904              .      20-32
                 .          .
                 .          .
918              .          .------->  D2032R
914              .      RET20
                 .          .
                 .          .
924              .          .          .<-------  S51AW
921              .          .      S51AW
                 .          .          V
                 .          .          V
925              .          .      R2032W
                 .          .          .
                 .          .          .
934              .      C20-32............
                 .          .
                 .          .
941              .          .------->  D2032W
937              .      D2032S
                 .          .
                 .          .
944              .      CPA1 ............
                 .          .
                 .          .
952              .          .------->  SPA2S
948              .      SPA2W
                 .          V
                 .          V
955              .      RPA3
                 .          .
                 .          .
966              .          .<-------  D59CR
963              .      D59CR
                 .          V
                 .          V
967              .      R59A
                 .          .
                 .          .
978              .          .          .<-------  D2032W
975              .          .      D2032W
                 .          .          .
```

```
979                 C59A ............
                    .
987                 .-------> S59AW
983                 S59AS
                    V
                    V
990                 R59B
                    .
998           CPA59............
                    .
                    .
1006                .-------> D59PA
1002          DPA59
                  V
                  V
1009          RPA4
                    .
                    .
1020                .<------- SCR1S
1017                SCR1S
                    V
                    V
1021                R1932S
                    .
                    .
1030                .       19-32
                    .           .
                    .           .
1044                .           .-------> D1932R
1040                .       RET19
                    .           .
                    .           .
1050                .           .       .<------- S59AW
1047                .           .   S59AW
                    .           .       V
                    .           .       V
1051                .           .   R1932W
                    .           .       .
                    .           .       .
1060                C19-32.......................
                    .
                    .
1067                .-------> D1932W
1063                D1932S
                    .
                    .
1070          CPA2 ............
                    .
                    .
1078                .-------> SPA3S
1074          SPA3W
                  V
                  V
1081          RPA5
                    .
                    .
1092                .<------- D67CR
1089                D67CR
                    V
                    V
1093                R67C
                    .
                    .
```


IC714PRINT

```
1104                                                  .<-------  D1932W
1101                                          D1932W
                                                      .
                                                      .
1105                                C67B ............
                                                      .
                                                      .
1113                                                  .------->  S67BW
1109                                S67BS
                                        V
                                        V
1116                                R67D
                                                      .
                                                      .
1124                          CPA67............
                                      .
                                      .
1132                                  .------->  D67PA
1128                          DPA67
                                    V
                                    V
1135                          RPA6
                                      .
                                      .
1146                                  .<-------  SCR2S
1143                                SCR2S
                                        V
                                        V
1147                                R2431S
                                                      .
                                                      .
1156                                                  .      24-31
                                                      .          .
                                                      .          .
1170                                                  .          .------->  D24-31
1166                                                  .      RET24
                                                      .          .
                                                      .          .
1176                                                  .          .          .<-------  S67BW
1173                                                  .          .      S67BW
                                                      .          .          V
                                                      .          .          V
1177                                                  .          .      R2431W
                                                      .          .          .
                                                      .          .          .
1186                                C24-31........................
                                                      .
                                                      .
1193                                                  .------->  D2431W
1189                                D2431S
                                                      .
                                                      .
1196                          CPA3 ............
                                      .
                                      .
1204                                  .------->  SPA4S
1200                          SPA4W
                                    V
                                    V
1207                          RPA7
                                      .
                                      .
1218                                                  .<-------  D75CR
1215                                D75CR
                                        V
                                        V
```

```
1219                R75D
                      .
1230                  .<-------  D2431W
1227            D2431W
                      .
1231                C75B ............
                      .
1239                  .------->  S75CW
1235                S75CS
                      V
                      V
1242                R75E
                      .
1250          CPA75............
                      .
1259                  .------->  D75PA
1254          DPA75
                      V
                      V
1262          RPA8
                      .
1273                  .<-------  SCR3S
1270                SCR3S
                      V
                      V
1274                R23-31
                      .
1283                  .      23-31
                      .          .
1297                  .          .------->  D2331R
1293                  .      RET23
                      .          .
1303                  .          .          .<-------  S75CW
1300                  .          .      S75CW
                      .          .          V
                      .          .          V
1304                  .          .      R2331W
                      .          .          .
1313                C23-31.......................
                      .
1320                  .------->  D2331W
1316                D2331S
                      .
1323          CPA4 ............
                      .
1331                  .------->  SPA5S
1327          SPA5W
                      V
                      V
1334          RPA9
                      .
1345                  .<-------  D83CR
```


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```
1342                D83CR
                      V
                      V
1346                R83D
                      .
                      .
1357                  .<-------  D2331W
1354                  .     D2331W
                      .          .
                      .          .
1358                C83B ............
                      .
                      .
1366                  .------->   S83BW
1362                S83BS
                      .
                      .
1369          CPA83............
                  .
                  .
1380              .------->   D83PA
1373          DPA83
                  .
                  .
1386              .<-------  D2231S
1383                D2231S
                      .
                      .
1390                  .          .<-------   S83BW
1387                  .       S83BW
                      .          .
                      .          .
1391                C2231E............
                      V
                      V
1394                 RES22
                      V
                      V
1402                R2231W
                      .
                      .
1411                  .     22-31W
                      .          .
                      .          .
1425                  .          .-------> D2231C
1421                  .     D2231B
                      .          .
                      .          .
1428          C2231W.......................
                  .
                  .
1435              .------->   SPA6S
1431          SPA6W
                  V
                  V
1438          RPA10
                  .
                  .
1453              .------->   D91PA
1446          DPA91
                  .
                  .
1459              .<-------  D2231C
1456                D2231C
                      V
                      V
```

```
1460                R2231S

1469            CPA91............

1473      NULL2............

1476            26-32W

1493                  -------->   D350A
1486            DOA35
                    V
                    V
1496            ROA1

1504                      27-32

1518                            -------->  D2732W
1514                      D2732S

1521            COA1 ............

1529                  -------->   SOA1S
1525            SOA1W
                    V
                    V
1532            ROA2

1543                            <-------   D2732W
1540                      D2732W

1548                            -------->   S43AW
1544                       S43AS
                                V
                                V
1551                       R43A

1559            COA43............

1570                  -------->   D430A
1563            DOA43
                    V
                    V
1573            ROA3

1584                            <-------   SPA1S
1581                       SPA1S
                                V
                                V
1585                      R2832S

1594                                     28-32
```


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```
1608                                  .-------> D28-32
1604                            RET28
                                      .
1614                                  .<-------   S43AW
1611                                  .     S43AW
                                      .         V
                                      .         V
1615                                  .     R2832W
                                      .         .
1624                      C28-32.......................
                                  .
1631                              .-------> D2832W
1627                      D2832S
                                  .
1634                  COA2 ............
                                  .
1642                              .------->   SOA2S
1638                  SOA2W
                          V
                          V
1645                  RAO4
                                  .
1656                              .<-------   D51PA
1653                      D51PA
                              V
                              V
1657                      R51B
                                  .
1668                              .<-------  D2832W
1665                            D2832W
                                  .
1669                      C51A ............
                                  .
1677                              .------->   S51BW
1673                      S51BS
                              V
                              V
1680                      R51C
                                  .
1688                  COA51............
                                  .
1699                              .------->   D51OA
1692                  DOA51
                          V
                          V
1702                  ROA5
                                  .
1713                              .<-------   SPA2S
1710                      SPA2S
                              V
                              V
1714                      R2932S
                                  .
```

```
1723                    29-32
                          :
1737                      :-------> D2932R
1733                    RET29
                          :
1743                      :<-------  S51BW
1740                    S51BW
                          V
                          V
1744                    R2932W
                          :
1753            C29-32.....................
                  :
1760              :-------> D2932W
1756            D2932S
                  :
1763        COA3 ............
                  :
1773              :-------> SOA3S
1767        SOA3W
                V
                V
1776        ROA6
                :
1787            :<-------  D59PA
1784          D59PA
                V
                V
1788          R59C
                :
1799            :<-------  D2932W
1796          D2932W
                :
1800          C59B ............
                :
1808            :-------> S59BW
1804          S59BS
                V
                V
1811          RR59D
                :
1819        COA59............
                :
1830            :-------> D59OA
1823        DOA59
                V
                V
1833        ROA7
                :
1844            :<-------  SPA3S
1841          SPA3S
                V
```


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```
                    V
1845            R3032S
                    .
                    .
1854                .        30-32
                    .          .
                    .          .
1868                .          .-------> D3032R
1864                .        RET30
                    .          .
                    .          .
1874                .          .        .<-------   S59BW
1871                .          .     S59BW
                    .          .        V
                    .          .        V
1875                .          .    R3032W
                    .          .        .
                    .          .        .
1884            C30-32.......................
                    .
                    .
1891                .-------> D3032W
1887            D3032S
                    .
                    .
1894        COA4 ............
                    .
                    .
1904                .------->   SOA4S
1898        SOA4W
                V
                V
1907        ROA8
                    .
                    .
1918                .<-------   D67PA
1915            D67PA
                    V
                    V
1919            R67E
                    .
                    .
1930                .          .<-------  D3032W
1927                .        D3032W
                    .          .
                    .          .
1931            C67C ............
                    .
                    .
1939                .------->   S67CW
1935            S67CS
                    V
                    V
1942            R67F
                    .
                    .
1950        COA67............
                    .
                    .
1961                .------->   D670A
1954        DOA67
                V
                V
1964        ROA9
                    .
                    .
```

```
1975                    .<-------   SPA4S
1972                SPA4S
                        V
                        V
1976                R2531S
                        .
                        .
1985                    .       25-31
                        .           .
                        .           .
1999                    .           .------->  D2531R
1995                    .       RET25
                        .           .
                        .           .
2005                    .           .           .<-------   S67CW
2002                    .           .       S67CW
                        .           .           V
                        .           .           V
2006                    .           .       R2531W
                        .           .           .
                        .           .           .
2015                C25-31.......................
                        .
                        .
2022                    .------->  D2531W
2018                D25531S
                        .
                        .
2025            COA5 ............
                    .
                    .
2035                .------->   SOA5S
2029            SOA5W
                    .
                    .
2042                .------->  RES250
2038            RES25
                    V
                    V
2045            ROA10
                    .
                    .
2056                    .<-------   D75PA
2053                D75PA
                        V
                        V
2057                R75F
                        .
                        .
2068                    .           .<-------  D2531W
2065                    .       D2531W
                        .           .
                        .           .
2069                C75C ............
                        .
                        .
2077                    .------->   S75DW
2073                S75DS
                        V
                        V
2080                R75G
                        .
                        .
2088            COA75............
                    .
                    .
```


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```
2099          .          .-------> D75OA
2092          .      DOA75
              .          .
              .          .
2105          .          .          .<-------  SPA5S
2102          .          .      SPA5S
              .          .          .
              .          .          .
2106          .          .          .     26-31E
              .          .          .          .
              .          .          .          .
2120          .          .          .          .-------> D2631R
2116          .          .          .      RET26
              .          .          .          .
              .          .          .          .
2123          .          .      C2631E.........
              .          .          .
              .          .          .
2132          .          .          .-------> D2631N
2126          .          .      D2631E
              .          .          .
              .          .          .
2138          .          .          .          .<-------  S75DW
2135          .          .          .      S75DW
              .          .          .          .
              .          .          .          .
2139          .      C2631S.......................
              .          V
              .          V
2142          .      RES26S
              .          .
              .          .
2154          .          .-------> D26AS
2152          .      D26AW
              .          .
              .          .
2157          .          .      26-31W
              .          .          .
              .          .          .
2171          .          .          .-------> D2631N
2167          .          .      D2631S
              .          .          .
              .          .          .
2174          .       COA6...........
              .          .
              .          .
2183          .          .-------> SOA6S
2177          .      SOA6W
              .          .
              .          .
2190          .          .-------> RES260
2186          .      RES26
              .          V
              .          V
2193          .      ROA11
              .          .
              .          .
2204          .          .          .<-------  D83PA
2201          .          .      D83PA
              .          .          .
              .          .          .
2208          .          .          .          .<-------  D2631N
2205          .          .          .     D2631N
              .          .          .          .
              .          .          .          .
2209          .          .      C2631N.........
```

```
                 .          .          V
                 .          .          V
2212             .          .     RES26N
                 .          .          V
                 .          .          V
2220             .          .     R2631W
                 .          .          .
                 .          .          .
2232             .          .          .<-------  D2631N
2229             .          .          .     D2631N
                 .          .          .          .
                 .          .          .          .
2233             .          .     C2631W............
                 .          .          .
                 .          .          .
2240             .          .          .------->  S83CW
2236             .          .      S83CS
                 .          .          V
                 .          .          V
2243             .          .      R83E
                 .          .          .
                 .          .          .
2251             .     COA83............
                 .          .
                 .          .
2262             .          .------->  D83OA
2255             .     DOA83
                 .          V
                 .          V
2265             .     ROA12
                 .          .
                 .          .
2276             .          .          .<-------  SPA6S
2273             .          .      SPA6S
                 .          .          V
                 .          .          V
2277             .          .     R2731S
                 .          .          .
                 .          .          .
2286             .          .          .     27-31
                 .          .          .          .
                 .          .          .          .
2299             .          .          .          .          .<-------  S83CW
2296             .          .          .          .     S83CW
                 .          .          .          .          V
                 .          .          .          .          V
2300             .          .          .          .     R2731W
                 .          .          .          .          .
                 .          .          .          .          .
2309             .          .     C27-31......................
                 .          .          .
                 .          .          .
2316             .          .          .------->  D2731W
2312             .          .     D2731S
                 .          .          .
                 .          .          .
2319             .      COA7............
                 .          .
                 .          .
2329             .          .------->  SOA7S
2323             .     SOA7W
                 .          V
                 .          V
2332             .     ROA13
                 .          .
                 .          .
```


1K7-4PRINT

```
2342                    .<-------   D91PA
2339                 D91PA
                        V
                        V
2343                 R91A
                        .
                        .
2354                    .<-------  D2731W
2351                    .      D2731W
                        .          .
                        .          .
2355                 C91A............
                        .
                        .
2363                    .------->   S91AW
2359                 S91AS
                        V
                        V
2366                 R91B
                        .
                        .
2374              COA91............
                        .
                        .
2385                    .------->   D910A
2378              DOA91
                        .
                        .
2388                 28-31
                        .
                        .
2401                    .<-------   S91AW
2398                    .       S91AW
                        .          V
                        .          V
2402                    .       R2831
                        .          .
                        .          .
2410              C28-31........................
                     V
                     V
2413              RADOT2
                        .
                        .
2424                 36-32
                        .
                        .
2441                    .------->   D27NA
2434                 DNA27
                        .
                        .
2444                    .      26-32E
                        .          V
                        .          V
2454                    .      R3532S
                        .          .
                        .          .
2463                    .          .      35-32
                        .          .          .
                        .          .          .
2477                    .          .          .------->  D3532W
2473                    .          .      D3532S
                        .          .          .
                        .          .          .
2480                 C35-32........................
                        .
```

```
2491                    .------->  SNA1S
2483              SNA1W
                        .
2497                    .<-------  D350A
2494                D350A
                        V
                        V
2498                R35A
                        .
2509                    .<-------  D3532W
2506                    .     D3532W
                        .         .
2510                C35A ............
                        .
2520                    .------->  S35AW
2514                S35AS
                        V
                        V
2523                R35B
                        .
2531              CNA35............
                        .
2542                    .------->  D35NA
2535              DNA35
                      V
                      V
2545              RNA1
                        .
2556                    .<-------  SOA1S
2553                SOA1S
                        V
                        V
2557               R3432S
                        .
2566                    .       34-32
                        .         .
2579                    .         .<-------  S35AW
2576                    .         .     S35AW
                        .         .       V
                        .         .       V
2580                    .         .    R3432W
                        .         .       .
2589               C34-32.......................
                        .
2596                    .------->  D3432W
2592               D3432S
                        .
2599              CNA1 ............
                        .
2611                    .------->  SNA2S
2603              SNA2W
                      V
```


K/14PRINT

```
                    V
2614            RNA2
                    .
                    .
2625                .<-------   D430A
2622                .       D430A
                    .          V
                    .          V
2626                .       R43B
                    .          .
                    .          .
2637                .          .<-------  D3432W
2634                .       .     D3432W
                    .       .        .
                    .       .        .
2638                .       C43B .....
                    .          .
                    .          .
2648                .          .------->   S43BW
2642                .       S43BS
                    .          V
                    .          V
2651                .       R43C
                    .          .
                    .          .
2659            CNA43.....
                    .
                    .
2670                .------->   D43NA
2663            DNA43
                    V
                    V
2673            RNA3
                    .
                    .
2684                .<-------   SOA2S
2681                .       SOA2S
                    .          V
                    .          V
2685                .      R3332S
                    .          .
                    .          .
2694                .          .      33-32
                    .          .        .
                    .          .        .
2707                .          .        .<-------   S43BW
2704                .          .        .      S43BW
                    .          .        .         V
                    .          .        .         V
2708                .          .        .      R3332W
                    .          .        .         .
                    .          .        .         .
2717                .      C33-32.......................
                    .          .
                    .          .
2724                .          .------->  D3332W
2720                .      D3332S
                    .          .
                    .          .
2727            CNA2 .....
                    .
                    .
2735                .------------------>   SNA3S
2731            SNA3W
                    V
                    V
```

```
2738                RNA4
                      .
2749                  .<-------   D510A
2746            D510A
                    V
                    V
2750            R51D
                      .
                      .
2761                  .         .<-------  D3332W
2758                  .     D3332W
                      .           .
                      .           .
2762            C51B .............
                      .
                      .
2770                  .-------->  S51CW
2766            S51CS
                    V
                    V
2773            R51E
                      .
                      .
2781        CNA51............
                      .
                      .
2789                  .-------->  D51NA
2785        DNA51
                V
                V
2792        RNA5
                      .
                      .
2803                  .<-------   SOA3S
2800            SOA3S
                    V
                    V
2804            R3232S
                      .
                      .
2813                  .       32-32
                      .           .
                      .           .
2827                  .           .-------> D3232R
2823                  .       RET32
                      .           .
                      .           .
2833                  .           .         .<-------   S51CW
2830                  .           .     S51CW
                      .           .         V
                      .           .         V
2834                  .           .     R3232W
                      .           .           .
                      .           .           .
2843            C32-32........................
                      .
                      .
2850                  .-------> D3232W
2846            D3232S
                      .
                      .
2853        CNA3 ............
                      .
                      .
2862                  .-------->  SNA4S
```


K/1 4PRINT

```
2857                SNA4W
                       V
                       V
2865                RNA6
                       .
                       .
2876                   .<-------   D590A
2873                D590A
                       V
                       V
2877                R59E
                       .
                       .
2888                   .           .<-------  D3232W
2885                   .      D3232W
                       .           .
                       .           .
2889                C59C .............
                       .
                       .
2897                   .-------->   S59CW
2893                S59CS
                       V
                       V
2900                R59F
                       .
                       .
2908                CNA59............
                       .
                       .
2916                   .-------->   D59NA
2912                DNA59
                       V
                       V
2919                RNA7
                       .
                       .
2930                   .<-------   SOA4S
2927                SOA4S
                       V
                       V
2931               R3132S
                       .
                       .
2940                   .      31-32
                       .           .
                       .           .-------->  D3132R
2954                   .      RET31
2950                   .           .
                       .           .
2960                   .           .           .<-------   S59CW
2957                   .           .       S59CW
                       .           .           V
                       .           .           V
2961                   .           .      R3132W
                       .           .           .
                       .           .           .
2970               C31-32........................
                       .
                       .
2977                   .-------->  D3132W
2973               D3132S
                       .
                       .
2980                CNA4 ............
```


1C/14PRINT

```
2988                  .-------> SNA5S
2984            SNA5W
                   V
                   V
2991            RNA8

3002                     .<------- D67OA
2999                 D67OA
                        V
                        V
3003                 R67G

3014                                .<------- D3132W
3011                          D3132W

3015                 C67D ............

3023                     .-------> S67DW
3019                 S67DS
                        V
                        V
3026                 R67H

3034            CNA67............

3042                  .-------> D67NA
3038            DNA67

3048                     .<------- D75OA
3045                 D75OA

3052                                .<------- SOA5S
3049                          SOA5S

3053                                     36-31E

3066                                                .<------- S67DW
3063                                            S67DW
                                                   V
                                                   V
3067                                            R3631W

3079                                                        .<------- D26AS
3076                                                    D26AS

3080                 C3631E..............................................
                        V
                        V
3083                 RES36
                        V
                        V
3091                 R3631
```


K/7 4PRINT

```
3100                                                  36-31W
3110                                      C3631W............
3117                                                        .-------> D3631W
3113                                      D3631S
3120                                 CNA5............
3127                                      .-------> SNA6S
3123                                 SNA6W
                                        V
                                        V
3130                                 RNA9
3141                                                        .<------- D3631W
3138                                      D3631W
3146                                                        .-------> S75EW
3142                                       S75ES
                                              V
                                              V
3149                                        R75H
3157                                 CNA75............
3165                                      .-------> D75NA
3161                                 DNA75
                                        V
                                        V
3168                                 RNA10
3179                                                        .<------- SOA6S
3176                                       SOA6S
                                              V
                                              V
3180                                      R3531S
3189                                                  35-31
3202                                                                .<------- S75EW
3199                                                            S75EW
                                                                    V
                                                                    V
3203                                                            R3531W
3212                                      C35-31........................
3219                                                        .-------> D3531W
3215                                      D3531S
```

```
3222                CNA6............
                       .
3229                   .-------> SNA7S
3225             SNA7W
                    V
                    V
3232             RNA11
                       .
3243                   .<------- D83OA
3240                D83OA
                       V
                       V
3244                R83F
                       .
                       .
3255                   .         .<------- D3531W
3252                   .      D3531W
                       .         .
                       .         .
3256                R83C............
                       .
                       .
3264                   .-------> S83DW
3260                S83DS
                       V
                       V
3267                R83G
                       .
                       .
3275             CNA83............
                       .
3286                   .-------> D83NA
3279             DNA83
                    V
                    V
3289             RNA12
                       .
3302                   .-------> RES34O
3297             RES34
                       .
3308                   .<------- SOA7S
3305                SOA7S
                       V
                       V
3309                R3431S
                       .
                       .
3318                   .      34-31
                       .         .
3332                   .         .-------> D3431R
3328                   .      RET34
                       .         .
                       .         .
3338                   .         .         .<------- S83DW
3335                   .         .      S83DW
                       .         .         V
                       .         .         V
3339                   .         .      R3431W
                       .         .         .
```


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```
3348                                  C34-31.......................
                                                 .
3358                                             .-------> D3431W
3351                                  D3431S
                                                 .
                                                 .
3361                            CNA7............
                                                 .
3371                                             .-------> SNA8S
3365                            SNA8W
                                   V
                                   V
3374                            RNA13
                                                 .
                                                 .
3385                                             .<------- D910A
3382                                  D910A
                                         V
                                         V
3386                                   R91C
                                                 .
                                                 .
3397                                             .                .<------- D3431W
3394                                             .      D3431W
                                                 .                .
                                                 .                .
3398                                   C91B............
                                                 .
                                                 .
3408                                             .-------> S91BW
3402                                  S91BS
                                         V
                                         V
3411                                   R91D
                                                 .
                                                 .
3419                            CNA91...........
                                                 .
3430                                             .-------> D91NA
3423                            DNA91
                                   V
                                   V
3433                            RNA14
                                                 .
                                                 .
3444                                             .<------- S91BW
3441                                  S91BW
                                         V
                                         V
3445                                  R3331W
                                                 .
                                                 .
3454                                             .      33-31
                                                 .                .
                                                 .                .
3464                       C33-31...................................
                                V
                                V
3467                        R421S
                                .
                                .
3475                 NULL3...........
```

```
3478          1-22
3492          .-------> D122W
3488     D122S
3498                .<-------  D27NA
3495          D27NA
                  V
                  V
3499          R27A
3510                           .<-------  D122W
3507                      D122W
3511          C27A .............
3521                .-------> S27AW
3515          S27AS
                  V
                  V
3524          R27B
3532     CGA27.............
3543          .-------> D27GA
3536     DGA27
3546           2-22
3560          .-------> D222W
3556          D222S
3566                           .<-------  SNA1S
3563                      SNA1S
                              V
                              V
3567                      R222S
3579                                      .<-------  S27AW
3576                                 S27AW
                                         V
                                         V
3580                                 R222W
3590          C2-22.........................
3596                           .<-------  D35NA
3593                      D35NA
                              V
                              V
3597                      R35C
```


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```
3608                                                  .<-------   D222W
3605                                            D222W
                                                    .           .
3609                                      C35B .............
                                                    .
3619                                                .------->   S35BW
3613                                      S35BS
                                                    V
                                                    V
3622                                      R35D
                                                    .
3635                                                .------->   S35CS
3630                                      S35CE
                                                    .
3638                          CGA1 ........................
                                    .
3646                                .------->   SGA1S
3642                          SGA1W
                                    .
3652                                        .<-------   S35CS
3649                                  S35CS
                                            .
3653                          CGA35............
                                    .
3664                                .------->   D35GA
3657                          DGA35
                                    V
                                    V
3667                          RGA1
                                    .
3678                                        .<-------   SNA2S
3675                                  SNA2S
                                            V
                                            V
3679                                  R322S
                                            .
3688                                        .       3-22
                                                    .
3701                                                .<-------   S35BW
3698                                            S35BW
                                                    V
                                                    V
3702                                            R322W
                                                    .           .
3711                                  C3-22........................
                                            .
3722                                        .------->   D322W
3714                                  D322S
                                            .
3725                          CGA2 ............
```

```
                 .          .
                 .          .
3738             .          .-------> SGA2S
3729             .     SGA2W
                 .        V
                 .        V
3741             .     RGA2
                 .          .
                 .          .
3752             .          .<------- D43NA
3749             .          .     D43NA
                 .          .        V
                 .          .        V
3753             .          .     R43D
                 .          .          .
                 .          .          .
3764             .          .          .<------- D322W
3761             .          .          .     D322W
                 .          .          .          .
                 .          .          .          .
3765             .          .     C43C .............
                 .          .          .
                 .          .          .
3775             .          .          .-------> S43CW
3769             .          .     S43CS
                 .          .        V
                 .          .        V
3778             .          .     R43E
                 .          .          .
                 .          .          .
3786             .     CGA43.............
                 .          .
                 .          .
3797             .          .-------> D43GA
3790             .     DGA43
                 .        V
                 .        V
3800             .     RGA3
                 .          .
                 .          .
3811             .          .<------- SNA3S
3808             .          .     SNA3S
                 .          .        V
                 .          .        V
3812             .          .     R422S
                 .          .          .
                 .          .          .
3821             .          .          .     4-22
                 .          .          .          .
                 .          .          .          .
3834             .          .          .          .<------- S43CW
3831             .          .          .          .     S43CW
                 .          .          .          .        V
                 .          .          .          .        V
3835             .          .          .          .     R422W
                 .          .          .          .          .
                 .          .          .          .          .
3844             .          .     C4-22.........................
                 .          .          .
                 .          .          .
3851             .          .          .-------> D422W
3847             .          .     D422S
                 .          .          .
                 .          .          .
3854             .     CGA3 .............
                 .          .
```


KC14PRINT

```
3862                .-------> SGA3S
3858          SGA3W
                  V
                  V
3865          RGA4

3876                      .<-------  D51NA
3873                D51NA
                          V
                          V
3877                R51F

3888                                .<-------  D422W
3885                          D422W
                                    .
                                    .
3889                C51C ............

3897                      .-------> S51DW
3893                S51DS
                          V
                          V
3900                R51G

3908          CGA51............

3916                .-------> D51GA
3912          DGA51
                  V
                  V
3919          RGA5

3930                      .<-------  SNA4S
3927                SNA4S
                          V
                          V
3931                R522S

3940                          5-22
                                    .
                                    .
3953                                      .<-------  S51DW
3950                                S51DW
                                        V
                                        V
3954                                R522W
                                        .
                                        .
3963                C5-22......................

3970                      .-------> D522W
3966                D522S

3973          CGA4 ............
```

```
3982                .-------> SGA4S
3977          SGA4W
                 V
                 V
3985          RGA6

3996                     .<-------  D59NA
3993                D59NA
                         V
                         V
3997                R59G

4008                                .<-------  D522W
4005                           D522W
4009                C59D ............

4017                     .------->  S59DW
4013                S59DS
                         V
                         V
4020                R59H

4028          CGA59............

4038                .------->  D59GA
4032          DGA59

4044                     .<-------  D67NA
4041                D67NA

4048                                .<-------  SNA5S
4045                           SNA5S
                                  V
                                  V
4049                           R622ES

4058                                     6-22E

4071                                                .<-------  S59DW
4068                                            S59DW
                                                   V
                                                   V
4072                                            R622EW

4084                                                        .<-------  D59GA
4081                                                   D59GA
4085                C6-22E.............................................

4088                           8-22E
```


K/T 4PRINT

```
4101                                                  .<-------   SGA4S
4098                                            SGA4S
                                                    V
                                                    V
4102                                          R822ES
                                                    .
                                                    .
4111                                  C8-22E............
                                                    .
                                                    .
4120                                                .-------> D822ES
4114                                  D822EW
                                                    V
                                                    V
4123                                   RGR3
                                                    .
                                                    .
4133                            C622EA............
                                    V
                                    V
4136                             RES6
                                    V
                                    V
4148                            R622WW
                                    .
                                    .
4157                                    6-22W
                                                    .
                                                    .
4167                            C6-22W............
                                    .
                                    .
4177                                .-------> D622WW
4170                            D622WS
                                    .
                                    .
4180                       CGA5 ............
                                    .
                                    .
4188                                .-------> SGA5S
4184                       SGA5W
                                V
                                V
4191                       RGA7
                                    .
                                    .
4202                                    .<------- D622WW
4199                            D622WW
                                    .
                                    .
4209                                    .-------> S67EW
4203                             S67ES
                                    V
                                    V
4212                             R67I
                                    .
                                    .
4220                       CGA67............
                                    .
                                    .
4228                                .-------> D67GA
4224                       DGA67
                                V
                                V
4231                        RGA8
                                    .
```

```
4242                    .<-------   SNA6S
4239                SNA6S
                        V
                        V
4243                R121S
                        .
                        .
4252                    .       1-21
                        .          .
                        .          .
4266                    .          .------->   D1-21
4262                    .       RET1
                        .          .
                        .          .
4272                    .          .          .<-------   S67EW
4269                    .          .       S67EW
                        .          .          .
                        .          .          .------->  RES100
4278                    .          .       RES1
4273                    .          .          V
                        .          .          V
4281                    .          .       R121W
                        .          .          .
                        .          .          .
4290                C1-21.......................
                        .
                        .
4300                    .------->   D121W
4293                D121S
                        .
                        .
4303            CGA6............
                    .
                    .
4311                .------->   SGA6S
4307            SGA6W
                    V
                    V
4314            RGA9
                    .
                    .
4325                    .<-------   D75NA
4322                D75NA
                        V
                        V
4326                R75I
                        .
                        .
4337                    .          .<-------   D121W
4334                    .       D121W
                        .          .
                        .          .
4338                C75D............
                        .
                        .
4348                    .------->   S75FW
4342                S75FS
                        V
                        V
4351                R75J
                        .
                        .
4359            CGA75...........
                    .
```

```
4367                  .------->  D75GA
4363            DGA75
                    V
                    V
4370            RGA10

4381                        .<-------  SNA7S
4378                  SNA7S
                        V
                        V
4382                  R221S

4391                              2-21

4404                                          .<-------  S75FW
4401                                      S75FW
                                            V
                                            V
4405                                      R221W

4414                  C2-21.......................

4424                        .------->  D221W
4417                  D221S

4427             CGA7............

4435                  .------->  SGA7S
4431            SGA7W
                    V
                    V
4438            RGA11

4449                        .<-------  D83NA
4446                  D83NA

4453                                          .<-------  D221W
4450                                    D221W

4454                   C83D............

4464                        .------->  S83EW
4458                  S83ES
                        V
                        V
4467                   R83I

4475            CGA83...........

4486                  .------->  D83GA
4479            DGA83
                    V
```

```
                 V
4489          RGA12
                 .
                 .
4500             .<-------   SNA8S
4497             .      SNA8S
                 .          V
                 .          V
4501             .      R321S
                 .          .
                 .          .
4510             .          .       3-21
                 .          .          .
                 .          .          .
4523             .          .          .<-------   S83EW
4520             .          .          .      S83EW
                 .          .          .          V
                 .          .          .          V
4524             .          .          .      R321W
                 .          .          .          .
                 .          .          .          .
4533             .      C3-21.......................
                 .          .
                 .          .
4540             .          .------->   D321W
4536             .      D321S
                 .          .
                 .          .
4543          CGA8............
                 .
                 .
4553             .------->   SGA8S
4547          SGA8W
                 V
                 V
4556          RGA13
                 .
                 .
4567             .<-------   D91NA
4564             .      D91NA
                 .          V
                 .          V
4568             .       R91E
                 .          .
                 .          .
4579             .          .          .<-------   D321W
4576             .          .       D321W
                 .          .          .
                 .          .          .
4580             .       C91C............
                 .          .
                 .          .
4588             .          .------->   S91CW
4584             .      S91CS
                 .          V
                 .          V
4591             .       R91F
                 .          .
                 .          .
4599          CGA91...........
                 .
                 .
4610             .------->   D91GA
4603          DGA91
                 V
                 V
```


1<71.4PRINT

```
4613          RGA14
4621                    4-21
4635                    ------->  D4-21
4631                    RET4
4641                              <-------  S91CW
4638                          S91CW
                                  V
                                  V
4642                          R421W
4651                    C4-21............
4658                    ------->  D421W
4654                    D421S
4661          CGA9............
4671          ------->  SGA9S
4665          SGA9W
                  V
                  V
4674          RGA15
4685                    <-------  D421W
4682                    D421W
                            V
                            V
4686                    R99A
4694          CGA99...........
4705          ------->  D99GA
4698          DGA99
4708                    5-21
4718          C5-21...........
4721     NULL4............
4724          11-22
4738          ------->  D1122W
4734          D1122S
4744                    <-------  SGA1S
4741                    SGA1S
```

```
                 :          :          V
                 :          :          V
4745             :          :     R1122S
                 :          :          :
                 :          :          :
4754             :    C11-22.............
                 :          :
                 :          :
4763             :          :-------> SD31AS
4757             :    SD31A
                 :          :
                 :          :
4771             :          :------->  SBH1W
4766             :     SBH1E
                 :         V
                 :         V
4774             :     RBH1
                 :          :
                 :          :
4785             :          :<-------   D27GA
4782             :          :     D27GA
                 :          :         V
                 :          :         V
4786             :          :     R27C
                 :          :          :
                 :          :          :
4794             :          :          :      12-22
                 :          :          :          :
                 :          :          :          :
4804             :     CBH27.......................
                 :          :
                 :          :
4815             :          :-------> D27BH
4808             :     DBH27
                 :          :
                 :          :
4821             :          :<-------   D35GA
4818             :          :     D35GA
                 :          :         V
                 :          :         V
4822             :          :     R35E
                 :          :          :
                 :          :          :
4833             :          :          :          :<-------  D1122W
4830             :          :          :     D1122W
                 :          :          :          :
                 :          :          :          :
4834             :          :     C35C .............
                 :          :         V
                 :          :         V
4838             :          :     R35F
                 :          :          :
                 :          :          :
4851             :          :          :          :<-------   SBH1W
4846             :          :          :     SBH1W
                 :          :          :         V
                 :          :          :         V
4852             :          :          :     RBH2
                 :          :          :          :
                 :          :          :          :
4863             :          :          :          :          :<-------   SGA2S
4860             :          :          :          :     SGA2S
                 :          :          :          :         V
                 :          :          :          :         V
4864             :          :          :          :     R1022S
                 :          :          :          :          :
```


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```
4873                                                    10-22
                                                          .
4883                                            C10-22............
                                                          .
4892                                                      .-------> SD39AS
4886                                            SD39A
                                                          .
4899                                                      .-------> D1022W
4895                                            D1022E
                                                          .
4902                    CBH35.................................
                                .
4913                            .-------> D35BH
4906                    DBH35
                                .
4919                                    .<-------  D43GA
4916                            D43GA
                                    V
                                    V
4920                            R43F
                                    .
4931                                    .          .<-------  D1022W
4928                                    .     D1022W
                                    .          .
4932                            C43D .............
                                    .
4942                                    .-------> S43DW
4936                            S43DS
                                    V
                                    V
4945                            R43G
                                    .
4953                    CBH43............
                                .
4964                            .-------> D43BH
4957                    DBH43
                            V
                            V
4967                    RBH3
                                .
4978                                    .<-------  SGA3S
4975                            SGA3S
                                    V
                                    V
4979                            R922S
                                    .
4988                                    .     9-22
                                    .          .
5001                                    .          .          .<-------  S43DW
4998                                    .          .     S43DW
                                    .          .          V
```

```
                                                          V
5002                                                   R922W
                                                          .
                                                          .
5011                          C9-22......................
                                  .
                                  .
5018                              .-------> D922W
5014                          D922S
                                  .
                                  .
5021                      CBH1 ............
                                  .
                                  .
5030                              .-------> SBH2S
5025                      SBH2W
                              V
                              V
5033                      RBH4
                                  .
                                  .
5044                              .<------- D51GA
5041                          D51GA
                                  V
                                  V
5045                          R51H
                                  .
                                  .
5056                              .         .<------- D922W
5053                              .     D922W
                                  .         .
                                  .         .
5057                          C51D ............
                                  .
                                  .
5065                              .-------> S51EW
5061                          S51ES
                                  V
                                  V
5068                          R51I
                                  .
                                  .
5076                      CBH51............
                                  .
                                  .
5084                              .-------> D51BH
5080                      DBH51
                                  .
                                  .
5090                              .<------- S51EW
5087                          S51EW
                                  V
                                  V
5091                         R822EW
                                  .
                                  .
5103                              .         .<------- D822ES
5100                              .     D822ES
                                  .         .
                                  .         .
5104                         C822E1............
                                  V
                                  V
5107                          RES8
                                  V
                                  V
```

```
5115                R822WW
                      .
5124                  .        8-22W
                      .          .
5138                  .          .-------> D822WW
5134                  .      D822WS
                      .          .
5141            C8-22W.......................
                      .
5148                  .-------> SBH3S
5144            SBH3W
                    V
                    V
5151            RBH5
                      .
5162                  .<------- D822WW
5159                D822WW
                      .
5167                  .-------> S59EW
5163              S59ES
                    V
                    V
5170              R59I
                      .
5178            CBH59............
                      .
5186                  .-------> D59BH
5182            DBH59
                    V
                    V
5189            RBH6
                      .
5200                  .<------- SGA5S
5197              SGA5S
                    V
                    V
5201              R722S
                      .
5210                  .        7-22
                      .          .
5223                  .          .        .<------- S59EW
5220                  .          .      S59EW
                      .          .        V
                      .          .        V
5224                  .          .      R722W
                      .          .        .
5233              C7-22.......................
                      .
5240                  .-------> D722W
5236              D722S
                      .
5243            CBH2 ............
```

```
                .          .
                .          .
5251            .          .-------> SBH4S
5247            .     SBH4W
                .        V
                .        V
5254            .     RBH7
                .          .
                .          .
5265            .          .<-------  D67GA
5262            .          .     D67GA
                .          .        V
                .          .        V
5266            .          .     R67J
                .          .          .
                .          .          .
5277            .          .          .<-------  D722W
5274            .          .          .     D722W
                .          .          .          .
                .          .          .          .
5278            .          .     C67E .............
                .          .          .
                .          .          .
5286            .          .          .-------> S67FW
5282            .          .     S67FS
                .          .        V
                .          .        V
5289            .          .     R67K
                .          .          .
                .          .          .
5297            .     CBH67.............
                .          .
                .          .
5305            .          .-------> D67BH
5301            .     DBH67
                .        V
                .        V
5308            .      RBH8
                .          .
                .          .
5319            .          .<-------  SGA6S
5316            .          .     SGA6S
                .          .        V
                .          .        V
5320            .          .    R1221S
                .          .          .
                .          .          .
5329            .          .          .     12-21
                .          .          .          .
                .          .          .          .
5343            .          .          .          .-------> D1221R
5339            .          .          .     RET12
                .          .          .          .
                .          .          .          .
5349            .          .          .          .          .<-------  S67FW
5346            .          .          .          .     S67FW
                .          .          .          .        V
                .          .          .          .        V
5350            .          .          .          .    R1221W
                .          .          .          .          .
                .          .          .          .          .
5359            .          .    C12-21........................
                .          .          .
                .          .          .
5366            .          .          .-------> D1221W
5362            .          .    D1221S
```

```
                 .          .          .
                 .          .          .
5369             .       CBH3...........
                 .          .
                 .          .
5377             .          .-------> SBH5S
5373             .      SBH5W
                 .          V
                 .          V
5380             .       RBH9
                 .          .
                 .          .
5391             .          .          .<------- D75GA
5388             .          .      D75GA
                 .          .          V
                 .          .          V
5392             .          .       R75K
                 .          .          .
                 .          .          .
5403             .          .          .          .<------- D1221W
5400             .          .          .     D1221W
                 .          .          .          .
                 .          .          .          .
5404             .          .       C75E...........
                 .          .          .
                 .          .          .
5412             .          .          .-------> S75GW
5408             .          .      S75GS
                 .          .          V
                 .          .          V
5415             .          .       R75L
                 .          .          .
                 .          .          .
5423             .      CBH75...........
                 .          .
                 .          .
5431             .          .-------> D75BH
5427             .      DBH75
                 .          V
                 .          V
5434             .      RBH10
                 .          .
                 .          .
5445             .          .          .<------- SGA7S
5442             .          .      SGA7S
                 .          .          V
                 .          .          V
5446             .          .     R1121S
                 .          .          .
                 .          .          .
5455             .          .          .     11-21
                 .          .          .          .
                 .          .          .          .
5469             .          .          .          .-------> D1121R
5465             .          .          .     RET11
                 .          .          .          .
                 .          .          .          .
5475             .          .          .          .          .<------- S75GW
5472             .          .          .          .     S75GW
                 .          .          .          .          V
                 .          .          .          .          V
5476             .          .          .          .     R1121W
                 .          .          .          .          .
                 .          .          .          .          .
5485             .          .     C11-21.......................
                 .          .          .
```


S14PRINT

```
5492                                  .-------> D1121W
5488                          D1121S
                                      .
                                      .
5495                   CBH4............
                                      .
                                      .
5503                                  .-------> SBH6S
5499                  SBH6W
                          V
                          V
5506                  RBH11
                                      .
                                      .
5517                                  .<------- D83GA
5514                          D83GA
                                  V
                                  V
5518                          R83J
                                      .
                                      .
5529                                  .                .<------- D1121W
5526                                  .        D1121W
                                      .                .
                                      .                .
5530                          C83E............
                                      .
                                      .
5538                                  .-------> S83FW
5534                          S83FS
                                  V
                                  V
5541                          R83K
                                      .
                                      .
5549                   CBH83...........
                                      .
                                      .
5559                                  .-------> D83BH
5553                   DBH83
                          V
                          V
5562                   RBH12
                                      .
                                      .
5573                                  .<------- SGA8S
5570                          SGA8S
                                  V
                                  V
5574                          R1021S
                                      .
                                      .
5583                                  .        10-21
                                      .                .
                                      .                .
5597                                  .                .-------> D1021R
5593                                  .        RET10
                                      .                .
                                      .                .
5603                                  .                .         .<------- S83FW
5600                                  .                .     S83FW
                                      .                .         V
                                      .                .         V
5604                                  .                .     R1021W
                                      .                .         .
```


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```
5613                C10-21.......................
                         .
5620                     .-------> D1021W
5616                D1021S
                         .
                         .
5626                     .                <-------   D91GA
5623                     .          D91GA
                         .            V
                         .            V
5627                     .          R91G
                         .            .
                         .            .
5638                     .            .                <-------  D1021W
5635                     .            .       D1021W
                         .            .            .
                         .            .            .
5639                     .          C91D............
                         .            .
                         .            .
5647                     .            .------->   S91DW
5643                     .          S91DS
                         .            V
                         .            V
5650                     .          R91H
                         .            .
                         .            .
5658                CBH5.........................
                       V
                       V
5662                RES10
                       .
                       .
5677                   .------->   SBH7S
5671                SBH7W
                       .
                       .
5684                   .------->   D91BH
5680                DBH91
                       V
                       V
5687                RBH13
                       .
                       .
5698                     .<-------   SGA9S
5695                SGA9S
                         V
                         V
5699                R921S
                         .
                         .
5708                     .          9-21
                         .            .
                         .            .
5721                     .            .                <-------   S91DW
5718                     .            .       S91DW
                         .            .          V
                         .            .          V
5722                     .            .       R921W
                         .            .            .
                         .            .            .
5731                C9-21.......................
                         .
                         .
```

```
5738                                  .-------> D921W
5734                        D921S
                                 .
                                 .
5744                             .<-------  D99GA
5741                        D99GA
                                 V
                                 V
5745                        R99B
                                 .
                                 .
5756                             .<-------  D921W
5753                                  D921W
                                 .          .
                                 .          .
5757                        C99A............
                                 .
                                 .
5766                             .-------> S99AW
5761                        S99AS
                                 V
                                 V
5769                        R99C
                                 .
                                 .
5777                   CBH6......................
                          V
                          V
5781                   RES9
                          .
                          .
5796                      .-------> SBH8S
5790                   SBH8W
                          .
                          .
5803                      .-------> D99BH
5799                   DBH99
                          V
                          V
5806                   RBH14
                          .
                          .
5814                        8-21E
                                 .
                                 .
5827                             .<-------  S99AW
5824                        S99AW
                                 V
                                 V
5828                        R821EW
                                 .
                                 .
5837                        C8-21E............
                                 .
                                 .
5844                             .-------> D821EW
5840                        D821ES
                                 .
                                 .
5847                   CBH7............
                          V
                          V
5850                   RES8S
                          .
                          .
5858                        8-21W
```


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```
5868          C8-21W............
5874                        .<-------  D821EW
5871                  D821EW
                          V
                          V
5875                  RES8N
5883     NULL5......................
5889                .<-------  D27BH
5886          D27BH
                  V
                  V
5890          R27D
5898                  13-22
5908                          14-22
5922                                        .<-------  SD31AS
5918                                  SD31AS
5923                          CSD31B............
5932                                        .------->  SD31BS
5926                          SD31B
5939                                        .------->  D1422W
5935                          D1422E
5942          CCB27......................
5953                .------->  D27CB
5946          DCB27
5959                        .<-------  D35BH
5956                  D35BH
                          V
                          V
5960                  R35G
5971                                        .<-------  D1422W
5968                          D1422W
5972                                  15-22
5986                                                .<-------  SD39AS
5982                                          SD39AS
```

```
5987                    CSD39B............
                                 .-------> SD39BS
5996                    SD39B
5990
                                 .-------> D1522W
6003                    D1522E
5999
6006          CCB35.................................
                 .-------> D35CB
6017
6010          DCB35
                     .<-------  D43BH
6023
6020               D43BH
                       V
                       V
6024               R43H
                                .<-------  D1522W
6035
6032                     D1522W
6036               C43E ............
                     .-------> S43EW
6046
6040               S43ES
                       V
                       V
6049               R43I
                                .<-------  D51BH
6060
6057                     D51BH
                             V
                             V
6061                     RGR4
                                          .<-------  SBH2S
6074
6071                           SBH2S
                                   V
                                   V
6075                           R1622S
                                          16-22E
6084
                                                     .<-------  S43EW
6097
6094                                            S43EW
                                                    V
                                                    V
6098                                            R1622W
6107                     C1622E.................................
```


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```
                 .          .          .          V
                 .          .          .          V
6110             .          .          .       RGR5
                 .          .          .          .
                 .          .          .          .
6120             .      CCB43.......................
                 .          .
                 .          .
6131             .          .-------->   D43CB
6124             .      DCB43
                 .          .
                 .          .
6134             .          .     16-22W
                 .          .          .
                 .          .          .
6148             .          .          .-------->  D1622W
6144             .          .     D1622S
                 .          .          .
                 .          .          .
6151             .      CCB1 ............
                 .          .
                 .          .
6159             .          .-------->   SCB1S
6155             .      SCB1W
                 .          V
                 .          V
6162             .      RCB1
                 .          .
                 .          .
6173             .          .          .<--------  D1622W
6170             .          .     D1622W
                 .          .          .
                 .          .          .
6178             .          .          .-------->   S51FW
6174             .          .      S51FS
                 .          .          V
                 .          .          V
6181             .          .      R51J
                 .          .          .
                 .          .          .
6189             .      CCB51............
                 .          .
                 .          .
6197             .          .-------->   D51CB
6193             .      DCB51
                 .          V
                 .          V
6200             .      RCB2
                 .          .
                 .          .
6211             .          .          .<--------   SBH3S
6208             .          .      SBH3S
                 .          .          V
                 .          .          V
6212             .          .     R1722S
                 .          .          .
                 .          .          .
6221             .          .          .       17-22
                 .          .          .          .
                 .          .          .          .
6234             .          .          .          .          .<--------   S51FW
6231             .          .          .          .       S51FW
                 .          .          .          .          V
                 .          .          .          .          V
6235             .          .          .          .     R1722W
                 .          .          .          .          .
```

```
6244                C17-22.......................
                        .
6251                    .-------> D1722W
6247                D1722S
                        .
6254            CCB2 ............
                    .
6262                .-------> SCB2S
6258            SCB2W
                    V
                    V
6265            RCB3
                    .
6276                    .<-------  D59BH
6273                D59BH
                        V
                        V
6277                R59J
                        .
6288                    .                .<-------  D1722W
6285                    .          D1722W
                        .                .
                        .                .
6289                C59E ............
                        .
6297                    .-------> S59FW
6293                S59FS
                        V
                        V
6300                R59K
                        .
6308            CCB59............
                    .
6319                .-------> D59CB
6312            DCB59
                    V
                    V
6322            RCB4
                    .
6333                    .<-------  SBH4S
6330                SBH4S
                        V
                        V
6334                R1822S
                        .
6343                    .          18-22
                        .                .
6356                    .                .          .<-------  S59FW
6353                    .                .      S59FW
                        .                .          V
                        .                .          V
6357                    .                .      R1822W
                        .                .          .
```


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```
6366                C18-22.......................
                       .
6373                   .-------> D1822W
6369                D1822S
                       .
6376          CCB3 ............
                 .
6384             .-------> SCB3S
6380          SCB3W
                 V
                 V
6387          RCB5
                 .
6398                   .<-------  D67BH
6395             D67BH
                    V
                    V
6399             R67L
                    .
                    .
6410                   .<-------  D1822W
6407                   .     D1822W
                       .        .
6411             C67F ............
                    .
                    .
6419                   .-------> S67GW
6415             S67GS
                    V
                    V
6422             R67M
                    .
                    .
6430          CCB67............
                 .
6438             .-------> D67CB
6434          DCB67
                 V
                 V
6441           RCB6
                 .
6452                   .<-------  SBH5S
6449             SBH5S
                    V
                    V
6453            R1321S
                    .
                    .
6462                   .     13-21
                       .        .
                       .        .
6475                   .        .      .<-------  S67GW
6472                   .        .   S67GW
                       .        .      V
                       .        .      V
6476                   .        .   R1321W
                       .        .      .
                       .        .      .
6485            C13-21.......................
```

```
                 .          .          .
                 .          .          .
6492             .          .          .-------> D1321W
6488             .          .     D1321S
                 .          .          .
                 .          .          .
6495             .     CCB4.............
                 .          .
                 .          .
6502             .          .------->  SCB4S
6498             .     SCB4W
                 .        V
                 .        V
6505             .     RCB7
                 .          .
                 .          .
6516             .          .          .<-------  D75BH
6513             .          .     D75BH
                 .          .        V
                 .          .        V
6517             .          .     R75M
                 .          .          .
                 .          .          .
6528             .          .          .          .<-------  D1321W
6525             .          .          .     D1321W
                 .          .          .          .
                 .          .          .          .
6529             .          .     C75F.............
                 .          .          .
                 .          .          .
6537             .          .          .------->  S75HW
6533             .          .     S75HS
                 .          .        V
                 .          .        V
6540             .          .     R75N
                 .          .          .
                 .          .          .
6548             .     CCB75............
                 .          .
                 .          .
6556             .          .------->  D75CB
6552             .     DCB75
                 .        V
                 .        V
6559             .     RCB8
                 .          .
                 .          .
6570             .          .          .<-------  SBH6S
6567             .          .     SBH6S
                 .          .        V
                 .          .        V
6571             .          .     R1421S
                 .          .          .
                 .          .          .
6583             .          .          .          .<-------  S75HW
6580             .          .          .     S75HW
                 .          .          .        V
                 .          .          .        V
6584             .          .          .     R1421W
                 .          .          .          .
                 .          .          .          .
6593             .          .          .          .     14-21E
                 .          .          .          .          .
                 .          .          .          .          .
6607             .          .          .          .          .-------> D1421R
6603             .          .          .          .     RET14E
```

```
6610                C1421E.......................
                         .
6616                     .-------> D1421X
6613                D1421E
                         .
6619                     .      14-21W
                         .          .
6633                     .          .-------> D1421P
6629                     .      RET14W
                         .          .
6636                C1421W............
                         .
6643                     .-------> D1421W
6639                D1421S
                         .
6646            CCB5............
                     .
6654                 .-------> SCB5S
6650            SCB5W
                    V
                    V
6657            RCB9
                     .
6668                 .<------- D1421X
6665                D1421X
                         V
                         V
6669                RES14E
                         .
6680                     .          .<-------  D83BH
6677                     .      D83BH
                         .          V
                         .          V
6681                     .       R83L
                         .          .
6692                     .          .          .<------- D1421W
6689                     .          .     D1421W
                         .          .          .
6693                  C83F........................
                         .
6701                     .-------> S83GW
6697                  S83GS
                         V
                         V
6704                  R83M
                         .
6712            CCB83............
                     .
6720                 .-------> D83CB
6716            DCB83
```

```
                 .          V
                 .          V
6723             .      RCB10
                 .          .
                 .          .
6734             .          .<-------   SBH7S
6731             .          .      SBH7S
                 .          .          V
                 .          .          V
6735             .          .     R1521S
                 .          .          .
                 .          .          .
6744             .          .          .      15-21
                 .          .          .          .
                 .          .          .          .
6758             .          .          .          .------->    D15
6754             .          .          .      RET15
                 .          .          .          .
                 .          .          .          .
6764             .          .          .          .          .<-------   S83GW
6761             .          .          .          .      S83GW
                 .          .          .          .          V
                 .          .          .          .          V
6765             .          .          .          .     R1521W
                 .          .          .          .          .
                 .          .          .          .          .
6774             .          .     C15-21.......................
                 .          .          .
                 .          .          .
6781             .          .          .------->  D1521W
6777             .          .     D1521S
                 .          .          .
                 .          .          .
6784             .      CCB6............
                 .          .
                 .          .
6791             .          .------->   SCB6S
6787             .      SCB6W
                 .          V
                 .          V
6794             .      RCB11
                 .          .
                 .          .
6805             .          .          .<-------   D91BH
6802             .          .      D91BH
                 .          .          .
                 .          .          .
6809             .          .          .          .<-------  D1521W
6806             .          .          .      D1521W
                 .          .          .          .
                 .          .          .          .
6810             .          .      C91E............
                 .          .          .
                 .          .          .
6818             .          .          .------->   S91EW
6814             .          .      S91ES
                 .          .          V
                 .          .          V
6821             .          .      R91J
                 .          .          .
                 .          .          .
6829             .      CCB91............
                 .          .
                 .          .
6837             .          .------->   D91CB
6833             .      DCB91
```


K214PRINT

```
                 .          V
                 .          V
6840             .       RCB12
                 .          .
                 .          .
6851             .          .<-------   SBH8S
6848             .          .      SBH8S
                 .          .          V
                 .          .          V
6852             .          .     R1621S
                 .          .          .
                 .          .          .
6861             .          .          .      16-21
                 .          .          .          .
                 .          .          .          .
6874             .          .          .          .<-------   S91EW
6871             .          .          .          .      S91EW
                 .          .          .          .          V
                 .          .          .          .          V
6875             .          .          .          .     R1621W
                 .          .          .          .          .
                 .          .          .          .          .
6884             .          .     C16-21.......................
                 .          .          .
                 .          .          .
6891             .          .          .-------> D1621W
6887             .          .     D1621S
                 .          .          .
                 .          .          .
6894             .       CCB7............
                 .          .
                 .          .
6901             .          .------->   SCB7S
6897             .       SCB7W
                 .          V
                 .          V
6904             .       RCB13
                 .          .
                 .          .
6915             .          .<-------   D99BH
6912             .          .      D99BH
                 .          .          .
                 .          .          .
6919             .          .          .          .<-------  D1621W
6916             .          .          .      D1621W
                 .          .          .          .
                 .          .          .          .
6920             .          .       C99B............
                 .          .          .
                 .          .          .
6928             .          .          .------->   S99BW
6924             .          .      S99BS
                 .          .          V
                 .          .          V
6931             .          .       R99E
                 .          .          .
                 .          .          .
6939             .       CCB99...........
                 .          .
                 .          .
6947             .          .------->   D99CB
6943             .       DCB99
                 .          V
                 .          V
6950             .       RCB14
                 .          .
```

```
6958                 17-21E
                        .
6971                    .<-------  S99BW
6968                 S99BW
                        V
                        V
6972                 R1721W
                        .
                        .
6981                 C1721E............
                        .
6988                    .-------> D1721W
6984                 D1721S
                        .
                        .
6991              CCB8............
                        .
                        .
6998                    .-------> SCB8S
6994              SCB8W
                     V
                     V
7001              RCB15
                        .
                        .
7012                    .<-------  D1721W
7009                 D1721W
                        .
                        .
7013             CCB107............
                        .
7021                    .-------> D107CB
7017             DCB107
                        .
                        .
7024                 17-21W
                        V
                        V
7034                 R1821W
                        .
                        .
7043                    .       18-21
                        .          .
                        .          .
7053             C18-21........................
                        .
                        .
7056       NULL6............
                        .
                        .
7059              23-22
                        .
                        .
7073                    .<-------  SD31BS
7069                 SD31BS
                        .
                        .
7074             CSD31C............
                        .
                        .
7083                    .-------> SD31CS
7077             SD31C
```

```
                 :          :
                 :          :
7090             :          :-------> D2322W
7086             :   D2322E
                 :          :
                 :          :
7096             :          :<-------   D27CB
7093             :          :   D27CB
                 :          :       V
                 :          :       V
7097             :          :   R27E
                 :          :       .
                 :          :       .
7105             :          :       .      24-22
                 :          :       .         .
                 :          :       .         .
7115             :   CIS27.......................
                 :          :
                 :          :
7126             :          :------->   D27IS
7119             :   DIS27
                 :          :
                 :          :
7132             :          :<-------   D35CB
7129             :          :   D35CB
                 :          :       V
                 :          :       V
7133             :          :   R35H
                 :          :       .
                 :          :       .
7144             :          :       .          .<-------  D2322W
7141             :          :       .     D2322W
                 :          :       .          .
                 :          :       .          .
7145             :          :   C35D ............
                 :          :       V
                 :          :       V
7149             :          :   R35I
                 :          :       .
                 :          :       .
7157             :   CIS35............
                 :          :
                 :          :
7164             :          :<-------   D43CB
7161             :          :   D43CB
                 :          :       .
                 :          :       .
7169             :          :       .-------> SD43AS
7165             :          :  SD43A
                 :          :       V
                 :          :       V
7172             :          :   RGR6
                 :          :       .
                 :          :       .
7182             :          :       .     22-22E
                 :          :       .          .
                 :          :       .          .
7196             :          :       .          .          .<-------  SD39BS
7192             :          :       .          .     SD39BS
                 :          :       .          .          .
                 :          :       .          .          .
7197             :          :  C2222E.......................
                 :          :       .
                 :          :       .
7206             :          :       .-------> SD39CS
7200             :          :  SD39C
```

```
                 .          .          V
                 .          .          V
7209             .          .      RGR7
                 .          .          .
                 .          .          .
7219             .     CIS35A...........
                 .          .
                 .          .
7230             .          .-------> D35IS
7223             .     DIS35
                 .          .
                 .          .
7237             .          .-------> SIS1AS
7233             .     SIS1AW
                 .          .
                 .          .
7240             .          .     22-22W
                 .          .          .
                 .          .          .
7254             .          .          .-------> D2222W
7250             .          .     D2222S
                 .          .          .
                 .          .          .
7261             .          .          .          .<------- SD39CS
7257             .          .          .     SD39CS
                 .          .          .          .
                 .          .          .          .
7262             .     C2222W.......................
                 .          .
                 .          .
7273             .          .-------> SIS1S
7265             .     SIS1W
                 .          V
                 .          V
7276             .     RIS1
                 .          .
                 .          .
7287             .          .          .<------- D2222W
7284             .          .     D2222W
                 .          .          .
                 .          .          .
7292             .          .          .          .<------- SD43AS
7288             .          .          .     SD43AS
                 .          .          .          .
                 .          .          .          .
7293             .          .     CSD43A...........
                 .          .          .
                 .          .          .
7303             .          .          .-------> S43FW
7297             .          .     S43FS
                 .          .          V
                 .          .          V
7306             .          .     R43J
                 .          .          .
                 .          .          .
7314             .     CIS43...........
                 .          .
                 .          .
7325             .          .-------> D43IS
7318             .     DIS43
                 .          V
                 .          V
7328             .     RIS2
                 .          .
                 .          .
7339             .          .          .<------- SCB1S
```


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```
7336                SCB1S
                      V
                      V
7340                R2122S
                      .
                      .
7349                  .        21-22
                      .          .
                      .          .
7362                  .          .          .<-------   S43FW
7359                  .          .       S43FW
                      .          .          V
                      .          .          V
7363                  .          .      R2122W
                      .          .          .
                      .          .          .
7372                C21-22.......................
                      .
                      .
7379                  .-------> D2122W
7375                D2122S
                      .
                      .
7382          CIS1 ............
                      .
                      .
7391                  .-------> SIS2SA
7386          SIS2WA
                      .
                      .
7400                  .------->  SIS2S
7394          SIS2W
                 V
                 V
7403          RIS3
                      .
                      .
7414                  .<-------  D51CB
7411                D51CB
                      V
                      V
7415                R51K
                      .
                      .
7426                  .          .<-------  D2122W
7423                  .        D2122W
                      .          .
                      .          .
7427                C51E ............
                      .
                      .
7437                  .------->  S51GW
7431                S51GS
                      V
                      V
7440                R51L
                      .
                      .
7448          CIS51............
                      .
                      .
7459                  .------->  D51IS
7452          DIS51
                 V
                 V
7462          RIS4
```

```
7473                    .<-------   SCB2S
7470            SCB2S
                    V
                    V
7474            R2022S
                    .
7483                .       20-22
                    .           .
7496                .           .           .<-------   S51GW
7493                .           .       S51GW
                    .           .           V
                    .           .           V
7497                .           .       R2022W
                    .           .           .
7506            C20-22.......................
                    .
7513                .------->  D2022W
7509            D2022S
                    .
7516        CIS2 ............
                .
7527            .------->   SIS3S
7520        SIS3W
                V
                V
7530        RIS5
                .
7541                .<-------   D59CB
7538            D59CB
                    V
                    V
7542            R59L
                    .
7553                .           .<-------  D2022W
7550                .       D2022W
                    .           .
                    .           .
7554            C59F ............
                    .
7564                .------->   S59GW
7558            S59GS
                    V
                    V
7567            R59M
                    .
7575        CIS59............
                .
7586            .------->   D59IS
7579        DIS59
                V
                V
7589        RIS6
                .
```

```
7600                  .<-------   SCB3S
7597              SCB3S
                      V
                      V
7601              R1922S
                      .
                      .
7610                  .      19-22
                      .         V
                      .         V
7620                  .       PAGC
                      .         .
                      .         .
7631                  .         .          .<-------   S59GW
7628                  .         .      S59GW
                      .         .         V
                      .         .         V
7632                  .         .     R1922W
                      .         .         .
                      .         .         .
7641              C19-22.......................
                      .
                      .
7648                  .-------> D1922W
7644              D1922S
                      .
                      .
7651          CIS3 ............
                  .
                  .
7661              .------->   SIS4S
7655          SIS4W
                  .
                  .
7667                  .<-------   D67CB
7664              D67CB
                      V
                      V
7668              R67N
                      .
                      .
7679                  .          .<-------  D1922W
7676                  .      D1922W
                      .         .
                      .         .
7680              C67G ............
                      .
                      .
7689                  .------->   S67HW
7684              S67HS
                      .
                      .
7692          CIS67............
                  .
                  .
7705              .------->   D67IS
7696          DIS67
                  .
                  .
7711                  .<-------   S67HW
7708              S67HW
                      V
                      V
7712              R2421W
                      .
```

```
7721                    24-21N
                           .
7734                       .<-------   SCB4S
7731                    SCB4S
                           V
                           V
7735                    R2421S
                           .
7744             C2421N.....................
                     V
                     V
7747             RES24N
                     .
7756                    24-21S
                           .
7766             C2421S............
                     .
                     .-------> D2421W
7773
7769             D2421S
                     .
7776         CIS5............
                 .
                 .------->   SIS5S
7783
7779         SIS5W
                 V
                 V
7786         RIS8
                 .
                 .
7796                 .<-------   D75CB
7794             D75CB
                     .
                     .
7800                 .          .<-------  D2421W
7797                 .      D2421W
                     .           .
7801             C75F1............
                     .
                     .------->   S75IW
7809
7805             S75IS
                     V
                     V
7812             R75O
                     .
7820         CIS75............
                 .
                 .------->   D75IS
7833
7824         DIS75
                 V
                 V
7836         RIS9
                 .
                 .
7847                 .<-------   SCB5S
```


KC14PRINT

```
7844                    SCB5S
                          V
                          V
7848                    R2321S
                          .
                          .
7857                      .        23-21
                          .          .
                          .          .
7870                      .          .          .<-------   S75IW
7867                      .          .       S75IW
                          .          .          V
                          .          .          V
7871                      .          .      R2321W
                          .          .          .
                          .          .          .
7880                    C23-21.......................
                          .
                          .
7887                      .-------> D2321W
7883                    D2321S
                          .
                          .
7890                CIS6............
                        .
                        .
7899                    .------->   SIS6S
7893                SIS6W
                        V
                        V
7902                RIS10
                        .
                        .
7913                    .<-------   D83CB
7910                  D83CB
                          V
                          V
7914                   R83N
                          .
                          .
7925                      .          .<-------  D2321W
7922                      .        D2321W
                          .          .
                          .          .
7926                   C83G............
                          .
                          .
7934                      .------->   S83HW
7930                  S83HS
                          V
                          V
7937                   R83O
                          .
                          .
7945                CIS83............
                        .
                        .
7956                    .------->   D83IS
7949                DIS83
                        V
                        V
7959                RIS11
                        .
                        .
7970                    .<-------   SCB6S
7967                  SCB6S
```


1K/L4PRINT

```
                 :          :          V
                 :          :          V
7971             :          :     R2221S
                 :          :          .
                 :          :          .
7980             :          :          .      22-21
                 :          :          .          .
                 :          :          .          .
7993             :          :          .          .          .<-------   S83HW
7990             :          :          .          .      S83HW
                 :          :          .          .          V
                 :          :          .          .          V
7994             :          :          .          .     R2221W
                 :          :          .          .          .
                 :          :          .          .          .
8003             :          :     C22-21.......................
                 :          :          .
                 :          :          .
8010             :          :          .-------> D2221W
8006             :          :     D2221S
                 :          :          .
                 :          :          .
8013             :       CIS7............
                 :          :
                 :          :
8023             :          :------->   SIS7S
8017             :      SIS7W
                 :          V
                 :          V
8026             :      RIS12
                 :          :
                 :          :
8037             :          :          .<-------   D91CB
8034             :          :      D91CB
                 :          :          V
                 :          :          V
8038             :          :       R91K
                 :          :          .
                 :          :          .
8049             :          :          .          .<-------  D2221W
8046             :          :          .     D2221W
                 :          :          .          .
                 :          :          .          .
8050             :          :       C91F............
                 :          :          .
                 :          :          .
8058             :          :          .------->   S91FW
8054             :          :      S91FS
                 :          :          V
                 :          :          V
8061             :          :       R91L
                 :          :          .
                 :          :          .
8069             :      CIS91............
                 :          :
                 :          :
8080             :          :------->   D91IS
8073             :      DIS91
                 :          V
                 :          V
8083             :      RIS13
                 :          :
                 :          :
8094             :          :          .<-------   SCB7S
8091             :          :      SCB7S
                 :          :          V
```


IC/14PRINT

```
                                  V
8095                           R2121S
                                    .
                                    .
8104                                .        21-21
                                    .          .
                                    .          .
8117                                .          .          .<-------   S91FW
8114                                .          .       S91FW
                                    .          .          V
                                    .          .          V
8118                                .          .      R2121W
                                    .          .          .
                                    .          .          .
8127                           C21-21.......................
                                    .
                                    .
8134                                .-------> D2121W
8130                           D2121S
                                    .
                                    .
8137                        CIS8............
                                    .
                                    .
8144                                .------->   SIS8S
8140                        SIS8W
                               V
                               V
8147                        RIS14
                                    .
                                    .
8158                                .<-------   D99CB
8155                           D99CB
                                    V
                                    V
8159                           R99F
                                    .
                                    .
8170                                .          .<-------  D2121W
8167                                .        D2121W
                                    .          .
                                    .          .
8171                           C99C............
                                    .
                                    .
8179                                .------->   S99CW
8175                           S99CS
                                    V
                                    V
8182                           R99G
                                    .
                                    .
8190                        CIS99............
                                    .
                                    .
8198                                .------->   D99IS
8194                        DIS99
                               V
                               V
8201                        RIS15
                                    .
                                    .
8212                                .<-------   SCB8S
8209                           SCB8S
                                    V
                                    V
```

```
8213          .          .     R2021S
              .          .          .
              .          .          .
8222          .          .          .      20-21
              .          .          .          .
              .          .          .          .
8236          .          .          .          .-------> D2021R
8232          .          .          .      RET20
              .          .          .          .
              .          .          .          .
8242          .          .          .          .          .<-------   S99CW
8239          .          .          .          .      S99CW
              .          .          .          .          V
              .          .          .          .          V
8243          .          .          .          .     R2021W
              .          .          .          .          .
              .          .          .          .          .
8252          .          .     C20-21.......................
              .          .          .
              .          .          .
8259          .          .          .-------> D2021W
8255          .          .     D2021S
              .          .          .
              .          .          .
8262          .       CIS9............
              .          .
              .          .
8269          .          .------->   SIS9S
8265          .      SIS9W
              .          V
              .          V
8272          .      RIS16
              .          .
              .          .
8283          .          .          .<-------  D107CB
8280          .          .     D107CB
              .          .          V
              .          .          V
8284          .          .      R107A
              .          .          .
              .          .          .
8295          .          .          .          .<-------  D2021W
8292          .          .          .     D2021W
              .          .          .          .
              .          .          .          .
8296          .          .      C107A............
              .          .          .
              .          .          .
8304          .          .          .-------> S107AW
8300          .          .     S107AS
              .          .          V
              .          .          V
8307          .          .      R107B
              .          .          .
              .          .          .
8315          .     CIS107............
              .          .
              .          .
8323          .          .-------> D107IS
8319          .     DIS107
              .          V
              .          V
8326          .      RIS17
              .          .
              .          .
8334          .          .      19-21
```


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```
8347                                  .<-------  S107AW
8344                            S107AW
                                     V
                                     V
8348                            R1921W
                                     .
                                     .
8357                      C19-21............
                                     .
                                     .
8364                                 .------->  D1921W
8360                      D1921S
                                     .
                                     .
8367                 CIS10............
                        V
                        V
8370                 RIS18
                        .
                        .
8380                                 .<-------  D1921W
8378                      D1921W
                                     .
                                     .
8381            NULL7.......................
                        .
                        .
8387                    .<-------  D35IS
8384                 D35IS
                        V
                        V
8388                 RGR8
                        .
                        .
8401                                 .<-------  D27IS
8398                         D27IS
                                 V
                                 V
8402                         R27F
                                 .
                                 .
8410                                 .     26-22N
                                     .          .
                                     .          .
8424                                 .          .          .<-------  SD31CS
8420                                 .          .     SD31CS
                                     .          .          .
                                     .          .          .
8425                 C2622N...................................
                        .
                        .
8435                    .------->  SD31DS
8429                 SD31D
                        V
                        V
8438                 RES26T
                        .
                        .
8455                    .------->  D26S
8448                 D26W
                        .
                        .
8461                                 .<-------  SIS1AS
8458                         SIS1AS
```

```
8468                                  .-------> SD35DS
8462                        SD35DW
                                 V
                                 V
8471                        R2722W

8483                                        .<-------  SIS1S
8480                                  SIS1S
                                         V
                                         V
8484                                  R2722S

8493                                                27-22N

8503                  C2722N.....................................

8514                        .-------> D2722A
8507                  D2722N

8525                        .------->   D39S
8517                    D39

8531                                .<-------  D43IS
8528                          D43IS
                                 V
                                 V
8532                          R43K

8547                                .------->  S43GW
8540                          S43GS

8553                                        .<-------  D2722A
8550                                  D2722A

8554                  C2722A.......................
                         V
                         V
8557                    PA43

8576                        .------->   D43S
8569                    D43
                         V
                         V
8579                  R2822W

8591                                .<-------  SIS2S
8588                         SIS2S

8596                                        .<-------  SIS2SA
8592                                  SIS2SA
```


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```
8597                C2822A............
                        V
                        V
8600                R2822S
                        .
                        .
8609                    .      28-22N
                        .          .
                        .          .
8622                    .          .          .<-------   S43GW
8619                    .          .      S43GW
                        .          .          .
                        .          .          .
8623                C2822N......................
                        .
                        .
8632                    .-------> D2822A
8626                D2822N
                        .
                        .
8635            C2822D............
                    V
                    V
8638             PA47
                    .
                    .
8654                .------->   D47S
8648             D47
                    .
                    .
8660                    .<-------   D51IS
8657                D51IS
                        V
                        V
8661                R51M
                        .
                        .
8676                    .------->   S51HW
8669                S51HS
                        .
                        .
8682                    .          .<-------  D2822A
8679                    .      D2822A
                        .          .
                        .          .
8683            C2822B......................
                    V
                    V
8686             PA51
                    .
                    .
8705                .------->   D51S
8697             D51
                    .
                    .
8711                    .<-------   SIS3S
8708                SIS3S
                        V
                        V
8712                R2922S
                        .
                        .
8721                    .      29-22N
                        .          .
                        .          .
8731                C2922N............
```


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```
8740                .-------> D2922A
8734          D2922N
8746                          .<-------   S51HW
8743                    S51HW
8747      C2922B.......................
               V
               V
8750        PA55
8770          .------->   D55S
8762         D55
8776                .<-------   D59IS
8773          D59IS
8784                .------->   S59HW
8777          S59HS
8790                          .<-------  D2922A
8787                    D2922A
8791      C2922A.......................
               V
               V
8794        PA59
8809          .------->   D59S
8804         D59
8815                .<-------   SIS4S
8812          SIS4S
                   V
                   V
8816          R3022S
8825                    30-22N
8838                                  .<-------   S59HW
8835                                S59HW
8839      C3022N...................................
               V
               V
8842        PA63
8857          .------->   D63S
8853         D63
```


K/14PRINT

```
8863                    <-------   D26S
8860                D26S
                       V
                       V
8864            R2622S
                       .
                       .
8873                       26-22E
                       .        .
                       .        .
8883            C2622E............
                       V
                       V
8886            RES26E
                       .
                       .
8904                   ------->   D27TR
8894             DTR27
                       .
                       .
8907                       26-22S
                       .        .
                       .        .
8921                   .        ------->  D2622W
8917                       D2622S
                       .        .
                       .        .
8926                   .        .          <-------  SD31DS
8924                   .        .     SD31DS
                       .        .          .
                       .        .          .
8927            C2622S.......................
                       .
                       .
8939                   ------->   STR1S
8931             STR1W
                       V
                       V
8942              RTR1
                       .
                       .
8952                   .        <-------  SD35DS
8950                       SD35DS
                       .        .
                       .        .
8953                   .        .     26-22W
                       .        .          .
                       .        .          .
8966                   .        .          .          <-------  D2622W
8963                   .        .          .     D2622W
                       .        .          .          .
                       .        .          .          .
8967                       C35E........................
                       .        .
                       .        .
8977                   .        ------->   S35DW
8971                       S35DS
                       .        V
                       .        V
8980                       R35J
                       .        .
                       .        .
8988             CTR35............
                       .
                       .
9001                   ------->   D35TR
```

```
8992                DTR35
                      V
                      V
9004                RTR2
                      .
9015                  .<-------   D39S
9012                D39S
                      V
                      V
9016                R2722A
                      .
9025                  .     27-22S
                      .        .
9038                  .        .        .<-------   S35DW
9035                  .        .     S35DW
                      .        .        V
                      .        .        V
9039                  .        .     R2722B
                      .        .        .
9048                C2722S.................
                      .
9058                  .------->  D2722W
9051                D2722S
                      .
9061                CTR1............
                      .
9070                  .------->   STR2S
9064                STR2W
                      V
                      V
9073                RTR3
                      .
9084                  .<-------   D43S
9081                D43S
                      .
9088                  .        .<-------  D2722W
9085                  .     D2722W
                      .        .
9089                C43F............
                      .
9099                  .------->   S43HW
9093                S43HS
                      V
                      V
9102                R43M
                      .
9110                CTR43...........
                      .
9121                  .------->   D43TR
9114                DTR43
                      .
9127                  .<-------   D51S
```


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```
9124                    D51S
                         .
                         .
9131                     .<-------   D47S
9128                 D47S
                         .
                         .
9132             C2822C.............
                     V
                     V
9135             R2822A
                         .
                         .
9144                 28-22S
                         .
                         .
9154             C2822S.............
                         .
                         .
9161                     .-------> D2822W
9157             D2822S
                         .
                         .
9167                     .<-------   S43HW
9164                 S43HW
                         V
                         V
9168                 R2822B
                         .
                         .
9177         CTR2........................
                 .
                 .
9184             .------->   STR3S
9180         STR3W
                 .
                 .
9191             .------->   STR4S
9187         STR4W
                 V
                 V
9194         RTR4
                 .
                 .
9205                     .<-------  D2822W
9202             D2822W
                         .
                         .
9212                     .------->   S51IW
9206             S51IS
                     V
                     V
9215             R51N
                         .
                         .
9223         CTR51............
                 .
                 .
9234             .------->   D51TR
9227         DTR51
                 V
                 V
9237         RTR5
                 .
                 .
9247                     .<-------   D55S
```

```
9245                D55S
                      V
                      V
9248            R2922A
                      :
                      :
9257                  :        29-22S
                      :          :
                      :          :
9270                  :          :          .<-------   S51IW
9267                  :          :      S51IW
                      :          :        V
                      :          :        V
9271                  :          :      R2922B
                      :          :        :
                      :          :        :
9280            C2922S.......................
                      :
                      :
9287                  :-------> D2922W
9283            D2922S
                      :
                      :
9290         CTR3............
                 :
                 :
9299             :-------> STR5S
9293         STR5W
                 V
                 V
9302         RTR6
                 :
                 :
9312                  :<-------   D59S
9310            D59S
                      V
                      V
9313            R59N
                      :
                      :
9324                  :          .<-------  D2922W
9321                  :        D2922W
                      :          :
                      :          :
9325            C59G............
                      :
                      :
9335                  :-------> S59IW
9329            S591S
                      V
                      V
9338            R590
                      :
                      :
9346         CTR59...........
                 :
                 :
9357             :-------> D59TR
9350         DTR59
                 V
                 V
9360         RTR7
                 :
                 :
9370                  :<-------   D63S
9368            D63S
```


K/L4PRINT

```
                 :         :         :         V
                 :         :         :         V
9371             :         :         :     R3022A
                 :         :         :         .
9380             :         :         :         .     30-22S
                 :         :         :         .         .
9393             :         :         :         .         .        .<-------   S59IW
9390             :         :         :         .         .    S59IW
                 :         :         :         .         .        V
                 :         :         :         .         .        V
9394             :         :         :         .         .    R3022B
                 :         :         :         .         .        .
                 :         :         :         .         .        .
9403             :         :         :     C3022S.......................
                 :         :         :         .
                 :         :         :         .
9410             :         :         :         .-------> D3022W
9406             :         :         :     D3022S
                 :         :         :         .
                 :         :         :         .
9413             :         :      CTR4............
                 :         :         :
                 :         :         :
9421             :         :         .------->   STR6S
9417             :         :     STR6W
                 :         :         V
                 :         :         V
9424             :         :      RTR8
                 :         :         :
                 :         :         :
9435             :         :         :         .<------- D3022W
9432             :         :         :     D3022W
                 :         :         :         .
                 :         :         :         .
9439             :         :         :         .        .<-------   D67IS
9436             :         :         :         .     D67IS
                 :         :         :         .         .
                 :         :         :         .         .
9440             :         :         :      C67G1............
                 :         :         :         .
                 :         :         :         .
9450             :         :         :         .------->   S67IW
9444             :         :         :      S67IS
                 :         :         :         V
                 :         :         :         V
9453             :         :         :       R67O
                 :         :         :         .
                 :         :         :         .
9461             :      CTR67........................
                 :         :
                 :         :
9474             :         .------->   D67TR
9467             :      DTR67
                 :         V
                 :         V
9477             :      RTR9
                 :         :
                 :         :
9488             :         :         .<-------   SIS5S
9485             :         :     SIS5S
                 :         :         V
                 :         :         V
9489             :         :     R2521S
                 :         :         :
```

```
9498                    25-21
                          .
9512                      .-------> D2521R
9508                    RET25
                          .
9518                      .        .<-------   S671W
9515                      .     S671W
                          .        V
                          .        V
9519                      .     R2521W
                          .        .
9528              C25-21.......................
                          .
9535                      .-------> D2521W
9531              D2521S
                          .
9538            CTR5............
                  .
9547            .------->   STR7S
9541            STR7W
                  V
                  V
9550            RTR10
                  .
9561                      .<-------   D75IS
9558            D75IS
                  V
                  V
9562            R75P
                  .
9573                      .        .<-------  D2521W
9570                      .     D2521W
                          .        .
9574            C75G............
                  .
9584                      .------->   S75JW
9578            S75JS
                  V
                  V
9587            R75Q
                  .
9595            CTR75...........
                  .
9606            .------->   D75TR
9599            DTR75
                  V
                  V
9609            RTR11
                  .
9620                      .<-------   SIS6S
9617            SIS6S
                  V
```


K/L4PRINT

```
9621                V
                 R2621S
                    .
9630                .        26-21
                    .          .
9643                .          .          .<-------   S75JW
9640                .          .       S75JW
                    .          .          V
                    .          .          V
9644                .          .      R2621W
                    .          .          .
                    .          .          .
9653                .       C26-21.......................
                    .
9660                .-------> D2621W
9656                .       D2621S
                    .
9663            CTR6............
                    .
9670                .------->   STR8S
9666            STR8W
                    V
                    V
9673            RTR12
                    .
9684                .<-------   D83IS
9681                .       D83IS
                    .          V
                    .          V
9685                .        R83P
                    .
9696                .          .<-------  D2621W
9693                .        D2621W
                    .          .
                    .          .
9697                .        C83H............
                    .
9707                .------->   S83IW
9701                .       S83IS
                    .          V
                    .          V
9710                .        R83Q
                    .
9718            CTR83...........
                    .
9729                .------->   D83TR
9722            DTR83
                    V
                    V
9732            RTR13
                    .
9743                .<--------  SIS7S
9740                .       SIS7S
                    .          V
                    .          V
```

```
9744                    R2721S
                                 .
9753                             .      27-21
                                 .        .
                                 .        .
9767                             .        .-------> D2721R
9763                             .      RET27
                                 .        .
                                 .        .
9773                             .        .        .<-------   S83IW
9770                             .        .     S83IW
                                 .        .        V
                                 .        .        V
9774                             .        .     R2721W
                                 .        .        .
                                 .        .        .
9783                    C27-21.......................
                                 .
                                 .
9790                             .-------> D2721W
9786                    D2721S
                                 .
                                 .
9793                CTR7............
                         .
                         .
9800                     .-------> STR9S
9796                STR9W
                         V
                         V
9803                RTR14
                         .
                         .
9814                             .<-------   D91IS
9811                     D91IS
                             V
                             V
9815                     R91M
                             .
                             .
9826                             .        .<-------   D2721W
9823                             .      D2721W
                             .        .        .
                             .        .        .
9827                     C91G............
                             .
                             .
9837                             .-------> S91GW
9831                     S91GS
                             V
                             V
9840                     R91N
                             .
                             .
9848                CTR91...........
                         .
                         .
9859                     .-------> D91TR
9852                DTR91
                         V
                         V
9862                RTR15
                         .
                         .
9873                             .<-------   SIS8S
```

```
9870                    SIS8S
                          V
                          V
9874                  R2821S
                          .
                          .
9883                      .        28-21
                          .          .
                          .          .
9896                      .          .          .<-------   S91GW
9893                      .          .      S91GW
                          .          .          V
                          .          .          V
9897                      .          .     R2821W
                          .          .          .
                          .          .          .
9906                  C28-21.......................
                          .
                          .
9913                      .-------> D2821W
9909                  D2821S
                          .
                          .
9916            CTR8............
                  .
                  .
9923              .-------> STR10S
9919        STR10W
                  V
                  V
9926         RTR16
                  .
                  .
9937              .<-------   D99IS
9934          D99IS
                  V
                  V
9938           R99H
                  .
                  .
9949              .          .<-------  D2821W
9946              .      D2821W
                  .          .
                  .          .
9950           C99D............
                  .
                  .
9958              .------->   S99DW
9954          S99DS
                  V
                  V
9961           R99I
                  .
                  .
9969         CTR99............
                  .
                  .
9977              .------->   D99TR
9973         DTR99
                  V
                  V
9980         RTR17
                  .
                  .
9991              .<-------   SIS9S
9988          SIS9S
```

```
                 .         .         V
                 .         .         V
 9992            .         .     R2921S
                 .         .         .
                 .         .         .
10001            .         .         .     29-21N
                 .         .         .         .
                 .         .         .         .
10014            .         .         .         .         .<-------   S99DW
10011            .         .         .         .      S99DW
                 .         .         .         .         V
                 .         .         .         .         V
10015            .         .         .         .     R2921W
                 .         .         .         .         .
                 .         .         .         .         .
10024            .         .     C2921N.......................
                 .         .         .
                 .         .         .
10031            .         .         .-------> D2921W
10027            .         .     D2921S
                 .         .         .
                 .         .         .
10034            .       CTR9............
                 .         V
                 .         V
10037            .     RES29S
                 .         .
                 .         .
10048            .         .         .<-------  D107IS
10045            .         .     D107IS
                 .         .         V
                 .         .         V
10049            .         .      R107C
                 .         .         .
                 .         .         .
10060            .         .         .         .<-------  D2921W
10057            .         .         .     D2921W
                 .         .         .         .
                 .         .         .         .
10061            .         .      C107B............
                 .         .         V
                 .         .         V
10065            .         .     RES29W
                 .         .         .
                 .         .         .
10078            .         .         .-------> D2921C
10073            .         .     D2921B
                 .         .         V
                 .         .         V
10081            .         .     R2921A
                 .         .         .
                 .         .         .
10090            .         .         .     29-21S
                 .         .         .         .
                 .         .         .         .
10100            .       C107C........................
                 .         .
                 .         .
10108            .         .-------> D107TR
10104            .     DTR107
                 .         V
                 .         V
10111            .      RTR18
                 .         .
                 .         .
10119            .         .     30-21S
```


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```
                 :          :          :
                 :          :          :
10133            :          :          :-------> D3021X
10129            :          :     RET30S
                 :          :          :
                 :          :          :
10136            :     C3021S...........
                 :          :
                 :          :
10143            :          :-------> STR11S
10139            :     STR11W
                 :          V
                 :          V
10146            :      RTR19
                 :          :
                 :          :
10158            :          :-------> D115TR
10154            :     DTR115
                 :          :
                 :          :
10161            :          :     30-21N
                 :          :          :
                 :          :          :
10175            :          :          :-------> D3021R
10171            :          :     RET30N
                 :          :          :
                 :          :          :
10182            :          :          :-------> D3021W
10178            :          :     D3021S
                 :          :          :
                 :          :          :
10187            :          :          :          :<------- D2921C
10185            :          :          :     D2921C
                 :          :          :          V
                 :          :          :          V
10188            :          :          :     R3021W
                 :          :          :          :
                 :          :          :          :
10197            :          :     C3021N...........
                 :          :          V
                 :          :          V
10200            :          :     R3021R
                 :          :          :
                 :          :          :
10212            :          :          :          :<------- D2021W
10209            :          :          :     D3021W
                 :          :          :          :
                 :          :          :          :
10213       NULL8...................................
                 :
                 :
10216            :      36-22
                 :          :
                 :          :
10230            :          :-------> D3622W
10226            :     D3622S
                 :          :
                 :          :
10235            :          :          :<-------  D27TR
10233            :          :     D27TR
                 :          :          V
                 :          :          V
10236            :          :     R27G
                 :          :          :
                 :          :          :
10247            :          :          :          :<------- D3622W
```

```
10244                                  D3622W
                                          :
10248                          C27B............
                                          :
10256                                     :-------> S27BW
10252                          S27BS
                                          V
                                          V
10259                          R27H
                                          :
                                          :
10267                  CMD27............
                                          :
                                          :
10278                                     :-------> D27MD
10271                  DMD27
                                          V
                                          V
10281                  RMD1
                                          :
                                          :
10292                                     :<------- STR1S
10289                          STR1S
                                          V
                                          V
10293                          R3522S
                                          :
                                          :
10302                                     :     35-22
                                          :        :
                                          :        :
10315                                     :        :        :<------- S27BW
10312                                     :        :     S27BW
                                          :        :        V
                                          :        :        V
10316                                     :        :     R3522W
                                          :        :        :
                                          :        :        :
10325                          C35-22.......................
                                          :
                                          :
10335                                     :-------> D3522W
10328                          D3522S
                                          :
                                          :
10338                  CMD1............
                                          :
                                          :
10347                                     :-------> SMD1S
10341                  SMD1W
                                          V
                                          V
10350                  RMD2
                                          :
                                          :
10361                                     :<------- D35TR
10358                          D35TR
                                          V
                                          V
10362                          R35K
                                          :
                                          :
10373                                     :        :<------- D3522W
10370                                     :     D3522W
```


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```
10374                 C35F............
                      .
10384                 .-------> S35EW
10378              S35ES
                      V
                      V
10387              R35L
                      .
                      .
10395          CMD35...........
                  .
                  .
10406             .-------> D35MD
10399          DMD35
                  V
                  V
10409           RMD3
                  .
                  .
10420             .<------- STR2S
10417              STR2S
                      V
                      V
10421             R3422S
                      .
                      .
10430             .      34-22
                      .      .
                      .      .
10443             .      .      .<------- S35EW
10440             .      .   S35EW
                      .      .   V
                      .      .   V
10444             .      .   R3422W
                      .      .      .
                      .      .      .
10453             R3422S..............
                      .
                      .
10463             .-------> D3422W
10456              D3422S
                      .
                      .
10466           CMD2...........
                  .
                  .
10475             .-------> SMD2S
10469          SMD2W
                  V
                  V
10478           RMD4
                  .
                  .
10489             .<------- D43TR
10486              D43TR
                      V
                      V
10490              R43N
                      .
                      .
10501             .      .      .<------- D3422W
10498             .      .   D3422W
                      .      .
```

```
10502                C43G............
                     .
10513                .-------> S43IW
10506            S43IS
                     V
                     V
10516            R43O
                     .
10524        CMD43............
                     .
10535                .-------> D43MD
10528        DMD43
                     .
10541                .<------- STR3S
10538            STR3S
                     .
10545                .         .<------- STR4S
10542                .     STR4S
                     .         .
10546        C3322N.........................
                 V
                 V
10549        R3322S
                     .
10558            33-22
                     .
10571                .         .<------- S43IW
10568                .     S43IW
                     .         .
10572            C33-22............
                     .
10579                .-------> D3322W
10575            D3322S
                     .
10582         CMD3............
                     .
10590                .-------> SMD3S
10585         SMD3W
                     .
10596                .-------> SMD4S
10593         SMD4W
                 V
                 V
10599         RMD5
                     .
10610                .<------- D51TR
10607            D51TR
                     V
                     V
10611            R51O
                     .
```


1C/14PRINT

```
10622                                   .<-------  D3322W
10619                            D3322W
                                     .
                                     .
10623                     C51F............
                                     .
                                     .
10633                                .------->   S51JW
10627                     S51JS
                             V
                             V
10636                     R51P
                                     .
                                     .
10644                CMD51............
                                     .
                                     .
10655                     .------->   D51MD
10648                DMD51
                         V
                         V
10658                 RMD6
                                     .
                                     .
10669                                .<-------   STR5S
10666                     STR5S
                             V
                             V
10670                    R3222S
                                     .
                                     .
10679                                .       32-22
                                     .           .
                                     .           .
10692                                .           .         .<-------   S51JW
10689                                .           .     S51JW
                                     .           .         V
                                     .           .         V
10693                                .           .    R3222W
                                     .           .           .
                                     .           .           .
10702                    C32-22.......................
                                     .
                                     .
10709                                .------->  D3222W
10705                    D3222S
                                     .
                                     .
10712                 CMD4............
                                     .
                                     .
10719                     .------->   SMD5S
10715                SMD5W
                         V
                         V
10722                 RMD7
                                     .
                                     .
10733                                .<-------   D59TR
10730                     D59TR
                             V
                             V
10734                     R59P
                                     .
                                     .
```

```
10745                                   .<------- D3222W
10742                          D3222W
                                  :
                                  :
10746                     C59H............
                                  :
                                  :
10756                             :-------> S59JW
10750                     S59JS
                             V
                             V
10759                     R59Q
                                  :
                                  :
10767                CMD59............
                                  :
                                  :
10778                             :-------> D59MD
10771                DMD59
                        V
                        V
10781                RMD8
                                  :
                                  :
10792                             :<------- STR6S
10789                     STR6S
                             V
                             V
10793                    R3122S
                                  :
                                  :
10802                             :      31-22
                                  :        :
                                  :        :          .<------- S59JW
10815                             :        :      S59JW
10812                             :        :         V
                                  :        :         V
10816                             :        :      R3122W
                                  :        :         :
                                  :        :         :
10825                    C31-22.......................
                                  :
                                  :
10832                             :-------> D3122W
10828                    D3122S
                                  :
                                  :
10835                CMD5............
                                  :
                                  :
10844                             :-------> SMD6S
10838                SMD6W
                        V
                        V
10847                RMD9
                                  :
                                  :
10858                             :<------- D67TR
10855                    D67TR
                             V
                             V
10859                    R67P
                                  :
                                  :
10870                             :          .<------- D3122W
```

```
10867                                   D3122W
                                           .
                                           .
10871                             C67H............
                                           .
                                           .
10881                                      .-------> S67JW
10875                             S67JS
                                     V
                                     V
10884                             R67Q
                                           .
                                           .
10892                       CMD67............
                                 .
                                 .
10903                            .-------> D67MD
10896                       DMD67
                                 V
                                 V
10906                       RMD10
                                 .
                                 .
10917                                      .<------- STR7S
10914                             STR7S
                                     V
                                     V
10918                            R3621S
                                           .
                                           .
10927                                      .      36-21
                                           .         .
                                           .         .
10940                                      .         .          .<------- S67JW
10937                                      .         .      S67JW
                                           .         .          V
                                           .         .          V
10941                                      .         .     R3621W
                                           .         .          .
                                           .         .          .
10950                            C36-21........................
                                           .
                                           .
10957                                      .-------> D3621W
10953                            D3621S
                                           .
                                           .
10960                        CMD6............
                                 .
                                 .
10967                            .-------> SMD7S
10963                       SMD7W
                                 V
                                 V
10970                       RMD11
                                 .
                                 .
10981                                      .<------- D75TR
10978                            D75TR
                                     V
                                     V
10982                            R75R
                                           .
                                           .
10993                                      .         .<------- D3621W
10990                                      .      D3621W
```


K/14PRINT

```
                 :          :          :          :
                 :          :          :          :
10994            :          :       C75H...........
                 :          :          :
                 :          :          :-------> S75KW
11004            :          :          :
10998            :          :      S75KS
                 :          :          V
                 :          :          V
11007            :          :       R75S
                 :          :          :
                 :          :          :
11015            :      CMD75...........
                 :          :
                 :          :
11026            :          :-------> D75MD
11019            :      DMD75
                 :          V
                 :          V
11029            :      RMD12
                 :          :
                 :          :
11040            :          :<------- STR8S
11037            :          :      STR8S
                 :          :          V
                 :          :          V
11041            :          :     R3521S
                 :          :          :
                 :          :          :
11050            :          :          :      35-21
                 :          :          :          :
                 :          :          :          :
11064            :          :          :          :-------> D3521R
11060            :          :          :      RET35
                 :          :          :          :
                 :          :          :          :
11070            :          :          :          :          :<------- S75KW
11067            :          :          :          :      S75KW
                 :          :          :          :          V
                 :          :          :          :          V
11071            :          :          :          :     R3521W
                 :          :          :          :          :
                 :          :          :          :          :
11080            :          :     C35-21.......................
                 :          :          :
                 :          :          :
11087            :          :          :-------> D3521W
11083            :          :     D3521S
                 :          :          :
                 :          :          :
11090            :       CMD7...........
                 :          :
                 :          :
11097            :          :-------> SMD8S
11093            :      SMD8W
                 :          V
                 :          V
11100            :      RMD13
                 :          :
                 :          :
11111            :          :<------- D83TR
11108            :          :      D83TR
                 :          :          V
                 :          :          V
11112            :          :       R83R
                 :          :          :
```


K/14PRINT

```
11123                                   .<------- D3521W
11120                            D3521W
                                     .
                                     .
11124                     C83I............
                                     .
                                     .
11134                                .-------> S83JW
11128                     S83JS
                             V
                             V
11137                     R83S
                                     .
                                     .
11145                CMD83............
                          .
                          .
11156                     .-------> D83MD
11149                DMD83
                        V
                        V
11159                RMD14
                          .
                          .
11170                     .<------- STR9S
11167                     STR9S
                             V
                             V
11171                    R3421S
                                     .
                                     .
11180                                .       34-21
                                     .         .
                                     .         .
11193                                .         .         .<------- S83JW
11190                                .         .      S83JW
                                     .         .         V
                                     .         .         V
11194                                .         .      R3421W
                                     .         .         .
                                     .         .         .
11203                    C34-21.......................
                                     .
                                     .
11210                                .-------> D3421W
11206                    D3421S
                                     .
                                     .
11213                 CMD8............
                          .
                          .
11220                     .-------> SMD9S
11216                 SMD9W
                        V
                        V
11223                 RMD15
                          .
                          .
11234                     .<------- D91TR
11231                     D91TR
                             V
                             V
11235                     R910
                                     .
                                     .
```

```
11246                                   .<-------  D3421W
11243                            D3421W
                                      .
                                      .
11247                     C91H............
                                      .
                                      .
11257                                 .------->  S91HW
11251                     S91HS
                                 V
                                 V
11260                     R91P
                                 .
                                 .
11268                CMD91............
                          .
                          .
11279                     .------->  D91MD
11272                DMD91
                          V
                          V
11282                RMD16
                          .
                          .
11293                             .<-------  STR10S
11290                     STR10S
                                 V
                                 V
11294                     R3321S
                                 .
                                 .
11303                            .       33-21
                                 .          .
                                 .          .
11316                            .          .          .<-------  S91HW
11313                            .          .       S91HW
                                 .          .          V
                                 .          .          V
11317                            .          .      R3321W
                                 .          .          .
                                 .          .          .
11326                     C33-21.......................
                                 .
                                 .
11333                            .------->  D3321W
11329                     D3321S
                                 V
                                 V
11336                      RES33
                                 .
                                 .
11344                 CMD9............
                          .
                          .
11351                     .------->  SMD10S
11347                SMD10W
                          V
                          V
11354                RMD16A
                          .
                          .
11365                             .<-------  D99TR
11362                      D99TR
                                 V
                                 V
11366                       R99J
```


K/L4PRINT

```
                .          .          .
                .          .          .
11377           .          .          .<-------  D3321W
11374           .          .     D3321W
                .          .          .          .
                .          .          .          .
11378           .          .     C99E............
                .          .          .
                .          .          .
11386           .          .          .------->  S99EW
11382           .          .     S99ES
                .          .        V
                .          .        V
11389           .          .     R99K
                .          .          .
                .          .          .
11397           .     CMD99............
                .          .
                .          .
11405           .          .------->  D99MD
11401           .     DMD99
                .        V
                .        V
11408           .     RMD17
                .          .
                .          .
11416           .          .     32-21E
                .          .          .
                .          .          .
11429           .          .          .<-------  S99EW
11426           .          .          .     S99EW
                .          .          .          .
                .          .          .          .
11430           .          .     C3221E............
                .          .          V
                .          .          V
11433           .          .     RES32E
                .          .          .
                .          .          .
11441           .          .          .     32-21W
                .          .          .          .
                .          .          .          .
11451           .          .     C3221W............
                .          .          .
                .          .          .
11458           .          .          .------->  D3221W
11454           .          .     D3221S
                .          .          .
                .          .          .
11461           .     CMD10............
                .          .
                .          .
11468           .          .------->  SMD11S
11464           .     SMD11W
                .        V
                .        V
11471           .     RMD18
                .          .
                .          .
11482           .          .          .<-------  D107TR
11479           .          .     D107TR
                .          .          .
                .          .          .
11486           .          .          .<-------  D3221W
11483           .          .          .     D3221W
                .          .          .          .
```

```
11487                 C107D............
                                 .
11496                            .-------> S107BW
11491                 S107BS
                          V
                          V
11499                 R107D
                                 .
11506            CMD107............
                                 .
11514                            .-------> D107MD
11510            DMD107
                      V
                      V
11517             RMD19
                                 .
11528                            .<------- STR11S
11525                 STR11S
                          V
                          V
11529                 R3121S
                                 .
11538                            .      31-21
                                 .          .
11551                            .          .          .<------- S107BW
11548                            .          .     S107BW
                                 .          .          .
11552                 C31-21.....................
                                 .
11559                            .-------> D3121W
11555                 D3121S
                                 .
11562             CMD11............
                                 .
11569                            .-------> SMD12S
11565            SMD12W
                      V
                      V
11572             RMD20
                                 .
11583                            .<------- D115TR
11580                 D115TR
                          V
                          V
11584                 R115A
                                 .
11595                            .          .<------- D3121W
11592                            .      D3121W
                                 .          .
11596                 C115A............
                                 .
```


KA14PRINT

```
11604                                  .-------> S115AW
11600                          S115AS
                                    V
                                    V
11607                           R115B
                                    .
                                    .
11615                     CMD115............
                                    .
                                    .
11623                               .-------> D115MD
11619                     DMD115
                                V
                                V
11626                      RMD21
                                .
                                .
11634                          36-W21
                                    .
                                    .
11647                               .                 .<-------  S115AW
11644                               .            S115AW
                                    .                 V
                                    .                 V
11648                               .            R3621A
                                    .                 .
                                    .                 .
11657                          C36W21............
                                    .
                                    .
11664                               .-------> D36S21
11660                          D36W21
                                    .
                                    .
11667                      CMD12............
                                    .
                                    .
11674                               .-------> SMD13S
11670                     SMD13W
                                V
                                V
11677                      RMD22
                                .
                                .
11688                               .<-------  D36S21
11685                          D36S21
                                    .
                                    .
11689                NULL9........................
                                    .
                                    .
11695                               .<-------  D27MD
11692                      D27MD
                                    .
                                    .
11696                                  1-12
                                    .
                                    .
11706                      C1-12............
                                    .
                                    .
11716                               .-------> DA1IO
11709                      D110A
                                V
                                V
11719                      R212W
```

```
11731                    .<-------   D35MD
11728            D35MD
                   .
                   .
11735              .                 .<-------   SMD1S
11732              .           SMD1S
                   .             V
                   .             V
11736              .           R212S
                   .             .
                   .             .
11745              .             .         2-12
                   .             .           .
                   .             .           .
11755        C2-12.................................
                   .
                   .
11762              .------->   DBI10
11758        DI10B
               V
               V
11765        R312W
                   .
                   .
11777                    .<-------   D43MD
11774            D43MD
                   .
                   .
11781              .                 .<-------   SMD2S
11778              .           SMD2S
                   .             V
                   .             V
11782              .           R312S
                   .             .
                   .             .
11791              .             .         3-12
                   .             .           .
                   .             .           .
11801        C3-12.................................
                   .
                   .
11811              .------->   DC1IO
11804        DI10C
               V
               V
11814        R412W
                   .
                   .
11828                    .<-------   D51MD
11825            D51MD
                   .
                   .
11832              .                 .<-------   SMD4S
11829              .           SMD4S
                   .             .
                   .             .
11836              .             .           .<-------   SMD3S
11833              .             .         SMD3S
                   .             .           .
                   .             .           .
11837              .           C4-12............
                   .             V
                   .             V
11840              .           R412S
```

```
11849                                                   4-12
                                                          .
11859          CI1051.................................
                   .
11866              .-------> DDI10
11862          DI10D
                   V
                   V
11869          R512W
                   .
11883              .<-------   D59MD
11880              .      D59MD
                   .
11887              .                .<-------   SMD5S
11884              .          SMD5S
                   .              V
                   .              V
11888              .          R512S
                   .              .
11897              .              .           5-12
                   .              .             .
11907          C5-12.................................
                   .
11914              .-------> DEI10
11910          DI10E
                   V
                   V
11917          R612W
                   .
11931              .<-------   D67MD
11928              .      D67MD
                   .
11935              .                .<-------   SMD6S
11932              .          SMD6S
                   .              V
                   .              V
11936              .          R612S
                   .              .
11945              .              .           6-12
                   .              .             .
11955          C6-12.................................
                   .
11962              .-------> DFI10
11958          DI10F
                   V
                   V
11965          R111W
                   .
11979              .<-------   D75MD
11976              .      D75MD
                   .
```

```
11983                                  .<-------   SMD7S
11980                            SMD7S
                                     V
                                     V
11984                            R111S
                                     .
                                     .
11993                                .        1-11
                                     .           .
                                     .           .
12003                C1-11.................................
                         .
                         .
12010                    .------->   DGI10
12006                DI10G
                         V
                         V
12013                R211W
                         .
                         .
12027                        .<-------   D83MD
12024                    D83MD
                             .
                             .
12031                        .           .<-------   SMD8S
12028                        .       SMD8S
                             .           V
                             .           V
12032                        .       R211S
                             .           .
                             .           .
12041                        .           .        2-11
                             .           .           .
                             .           .           .
12055                        .           .           .------->  D2-11R
12051                        .           .      RET211
                             .           .           .
                             .           .           .
12058                C2-11.................................
                         .
                         .
12065                    .------->   DHI10
12061                DI10H
                         V
                         V
12068                R311W
                         .
                         .
12082                        .<-------   D91MD
12079                    D91MD
                             .
                             .
12086                        .           .<-------   SMD9S
12083                        .       SMD9S
                             .           V
                             .           V
12087                        .       R311S
                             .           .
                             .           .
12096                        .           .        3-11
                             .           .           .
                             .           .           .
12106                C3-11.................................
                         .
                         .
```


K/14PRINT

```
12113                .-------> DII10
12109          DI10I
                   V
                   V
12116          R411W
                   .
                   .
12130                   .<-------  D99MD
12127                D99MD
                        .
                        .
12134                   .          .<-------  SMD10S
12131                   .      SMD10S
                        .          V
                        .          V
12135                   .       R411S
                        .          .
                        .          .
12144                   .          .        4-11
                        .          .          .
                        .          .          .
12154          C4-11.....................................
                   .
                   .
12161                .-------> DJI10
12157          DI10J
                   V
                   V
12164          R511W
                   .
                   .
12178                   .<-------  D107MD
12175               D107MD
                        .
                        .
12182                   .          .<-------  SMD11S
12179                   .      SMD11S
                        .          V
                        .          V
12183                   .       R511S
                        .          .
                        .          .
12192                   .          .        5-11
                        .          .          .
                        .          .          .
12202          C5-11.....................................
                   .
                   .
12209                .-------> DKI10
12205          DI10K
                   V
                   V
12212          R611W
                   .
                   .
12226                   .<-------  D115MD
12223              D115MD
                        .
                        .
12230                   .          .<-------  SMD12S
12227                   .      SMD12S
                        .          V
                        .          V
12231                   .       R611S
                        .          .
                        .          .
```

```
12240          .          .          .          .       6-11
               .          .          .          .          .
               .          .          .          .          .
12250          .      C6-11.......................................
               .          .
               .          .
12257          .          .-------->   DLI10
12253          .      DI10L
               .          V
               .          V
12260          .     R1W11W
               .          .
               .          .
12274          .          .          .<-------  SMD13S
12271          .          .     SMD13S
               .          .          V
               .          .          V
12275          .          .     R1W11S
               .          .          .
               .          .          .
12284          .          .          .      1-W11
               .          .          .          .
               .          .          .          .
12294          .     C1-W11.........................
               .          V
               .          V
12297          .     R1W11A
               .          .
               .          .
12308          .          .      2-W11
               .          .          .
               .          .          .
12318          .     C2-W11............
               .          .
               .          .
12321     NULL10............
```

(***) RUNOFF ALSO COMPUTED AT THIS LOCATION

```
1*****************************************
*                                       *
*   FLOOD HYDROGRAPH PACKAGE  (HEC-1)   *
*              MAY   1991               *
*           VERSION 4.0.1E              *
*                                       *
*  RUN DATE  01/26/97  TIME  17:49:30   *
*                                       *
*****************************************
```

```
****************************************
*                                      *
*   U.S. ARMY CORPS OF ENGINEERS       *
*   HYDROLOGIC ENGINEERING CENTER      *
*         609 SECOND STREET            *
*      DAVIS, CALIFORNIA 95616         *
*          (916) 551-1748              *
*                                      *
****************************************
```

MARYVALE ADMS - FCD#93-29: CH2M HILL & Wood/Patel & Associates
Model for Entire Study Area (Approximately 100 square miles)
Existing Conditions
100Yr-6Hr Event
Clark Unit Hydrograph
6-Hour Rainfall Patterns were used to determine TC & R
Green-Ampt Precipitation Losses
MV100-6 (Base79): SWW\132586\HEC-1
Jauary 1997

****

HEC-1 ELEMENT NOMENCLATURE
SUB-BASIN HYDROGRAPH:
Example: "17-32N": the sub-basin is Section 17, T3N, R2E

```
                    SUB-BASIN DIVERSION:
                       Example: "D1732S": is the southerly component of divert in Section 17

                    SUB-BASIN ROUTE:
                       Example: "R1732S": is the southerly flow route through Sec. 17, T3N, R2E

                    SUB-BASIN RESERVOIR ROUTE OR SURGE BASIN DIVERT:
                       Example: "RES17": corresponds to a reservoir route or surge basin divert
                                         in Sub-basin 17-##

                    RETENTION BASIN DIVERT:
                       Example: "RET17": corresponds to retention basin divert in
                                         Sub-Basin 17-##

                    SUB-BASIN COMBINE:
                       Example: "C17-32": corresponds to sub-basin combine in Sec. 17, T3N, R2E

                    STREET ROUTE:
                       Example: "RPA1": first route for Peoria Avenue
                       Example" "R67C": third route for 67th Avenue

                    STREET CAPACITY DIVERSION:
                       Example: "SPA1S": first diversion from Peoria Avenue to the south

                    STREET INTERSECTION DIVERSION:
                       Example: "RPA67": flow component along Peoria Avenue from diversion at
                                         Peoria Avenue and 67th Avenue
                       Example: "R67PA": flow component along 67th Avenue from diversion at
                                         Peoria Avenue and 67th Avenue

                    STREET INTERSECTION COMBINE:
                       Example: "CPA67": hydrograph combine at the intersection of Peoria Avenue
                                         and 67th Avenue

                    STREET COMBINE:
                       Example: "CPA2": second hydrograph combine along Peoria Avenue

                    "NULL" COMBINE:
                       Example: "NULL2": dummy hydrograph combine used to free up a HEC-1
                                         computational path.  Hence, hydrograph is meaningless.

                    ******************************************************************************
                    STREET NAME CODES
                      Thunderbird Road  = TB
                      Cactus Road       = CR
                      Peoria Avenue     = PA
                      Olive Avenue      = OA
                      Northern Avenue   = NA
                      Glendale Avenue   = GA
                      Bethany Home Road = BH
                      Camelback Road    = CB
                      Indian School Road= IS
                      Thomas Road       = TR
                      McDowell Road     = MD
                    ******************************************************************************


72 IO          OUTPUT CONTROL VARIABLES
                     IPRNT          5  PRINT CONTROL
                     IPLOT          0  PLOT CONTROL
                     QSCAL         0.  HYDROGRAPH PLOT SCALE

   IT          HYDROGRAPH TIME DATA
                      NMIN          5  MINUTES IN COMPUTATION INTERVAL
                     IDATE      1   0  STARTING DATE
                     ITIME       0000  STARTING TIME
```

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                NQ          800  NUMBER OF HYDROGRAPH ORDINATES
            NDDATE        3   0  ENDING DATE
            NDTIME         1835  ENDING TIME
             ICENT           19  CENTURY MARK

      COMPUTATION INTERVAL    0.08 HOURS
           TOTAL TIME BASE   66.58 HOURS

ENGLISH UNITS
     DRAINAGE AREA          SQUARE MILES
     PRECIPITATION DEPTH    INCHES
     LENGTH, ELEVATION      FEET
     FLOW                   CUBIC FEET PER SECOND
     STORAGE VOLUME         ACRE-FEET
     SURFACE AREA           ACRES
     TEMPERATURE            DEGREES FAHRENHEIT

74 JD        INDEX STORM NO. 1
                STRM        3.06  PRECIPITATION DEPTH
                TRDA        0.01  TRANSPOSITION DRAINAGE AREA

75 PI          PRECIPITATION PATTERN
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00      0.00      0.01      0.01      0.01      0.01      0.01      0.01      0.03
                0.03      0.03      0.05      0.05      0.05      0.15      0.15      0.15      0.03      0.03
                0.03      0.01      0.01      0.01      0.01      0.01      0.01      0.00      0.00      0.00
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00

78 JD        INDEX STORM NO. 2
                STRM        3.04  PRECIPITATION DEPTH
                TRDA        0.50  TRANSPOSITION DRAINAGE AREA

 0 PI          PRECIPITATION PATTERN
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00      0.00      0.01      0.01      0.01      0.01      0.01      0.01      0.03
                0.03      0.03      0.05      0.05      0.05      0.15      0.15      0.15      0.03      0.03
                0.03      0.01      0.01      0.01      0.01      0.01      0.01      0.00      0.00      0.00
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00

79 JD        INDEX STORM NO. 3
                STRM        3.02  PRECIPITATION DEPTH
                TRDA        0.90  TRANSPOSITION DRAINAGE AREA

80 PI          PRECIPITATION PATTERN
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00      0.00      0.01      0.01      0.01      0.01      0.01      0.01      0.03
                0.03      0.03      0.06      0.06      0.06      0.13      0.13      0.13      0.03      0.03
                0.03      0.01      0.01      0.01      0.01      0.01      0.01      0.00      0.00      0.00
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00

83 JD        INDEX STORM NO. 4
                STRM        3.02  PRECIPITATION DEPTH
                TRDA        1.00  TRANSPOSITION DRAINAGE AREA

84 PI          PRECIPITATION PATTERN
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
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                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00      0.00      0.01      0.01      0.01      0.01      0.01      0.01      0.03
                0.03      0.03      0.06      0.06      0.06      0.12      0.12      0.12      0.03      0.03
                0.03      0.01      0.01      0.01      0.01      0.01      0.01      0.00      0.00      0.00
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00

 87 JD        INDEX STORM NO. 5
                  STRM        3.00  PRECIPITATION DEPTH
                  TRDA        2.80  TRANSPOSITION DRAINAGE AREA

 88 PI          PRECIPITATION PATTERN
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00      0.00      0.01      0.01      0.01      0.01      0.01      0.01      0.03
                0.03      0.03      0.07      0.07      0.07      0.08      0.08      0.08      0.05      0.05
                0.05      0.02      0.02      0.02      0.01      0.01      0.01      0.00      0.00      0.00
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00

 91 JD        INDEX STORM NO. 6
                  STRM        2.82  PRECIPITATION DEPTH
                  TRDA       16.00  TRANSPOSITION DRAINAGE AREA

 92 PI          PRECIPITATION PATTERN
                0.01      0.01      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.01
                0.01      0.01      0.00      0.01      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00      0.01      0.00      0.00      0.00      0.00      0.01      0.01      0.01
                0.01      0.01      0.01      0.01      0.01      0.01      0.02      0.02      0.02      0.03
                0.03      0.03      0.06      0.06      0.06      0.07      0.07      0.07      0.04      0.04
                0.04      0.02      0.02      0.02      0.01      0.01      0.01      0.01      0.01      0.01
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00

 95 JD        INDEX STORM NO. 7
                  STRM        2.48  PRECIPITATION DEPTH
                  TRDA       90.00  TRANSPOSITION DRAINAGE AREA

 96 PI          PRECIPITATION PATTERN
                0.01      0.01      0.01      0.00      0.00      0.00      0.01      0.01      0.01      0.01
                0.01      0.01      0.01      0.01      0.01      0.01      0.01      0.01      0.01      0.01
                0.01      0.01      0.01      0.01      0.01      0.01      0.01      0.01      0.01      0.01
                0.01      0.01      0.01      0.01      0.01      0.01      0.02      0.02      0.02      0.03
                0.03      0.03      0.05      0.05      0.05      0.05      0.05      0.05      0.04      0.04
                0.04      0.02      0.02      0.02      0.02      0.02      0.02      0.01      0.01      0.01
                0.01      0.01      0.01      0.01      0.01      0.01      0.01      0.01      0.01      0.01
                0.01      0.01

 99 JD        INDEX STORM NO. 8
                  STRM        1.74  PRECIPITATION DEPTH
                  TRDA      500.00  TRANSPOSITION DRAINAGE AREA

100 PI          PRECIPITATION PATTERN
                0.01      0.01      0.01      0.01      0.01      0.01      0.01      0.01      0.01      0.01
                0.01      0.01      0.01      0.01      0.01      0.01      0.01      0.01      0.01      0.01
                0.01      0.01      0.01      0.01      0.01      0.01      0.01      0.01      0.01      0.01
                0.01      0.01      0.01      0.01      0.01      0.01      0.02      0.02      0.02      0.03
                0.03      0.03      0.04      0.04      0.04      0.04      0.04      0.04      0.04      0.04
                0.04      0.03      0.03      0.03      0.02      0.02      0.02      0.01      0.01      0.01
                0.01      0.01      0.01      0.01      0.01      0.01      0.01      0.01      0.01      0.01
                0.01      0.01

WARNING --- ROUTED OUTFLOW (    978.) IS GREATER THAN MAXIMUM OUTFLOW (    970.) IN STORAGE-OUTFLOW TABLE

WARNING --- ROUTED OUTFLOW (   2493.) IS GREATER THAN MAXIMUM OUTFLOW (   2446.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (  2678.) IS GREATER THAN MAXIMUM OUTFLOW (  2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  2842.) IS GREATER THAN MAXIMUM OUTFLOW (  2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  2966.) IS GREATER THAN MAXIMUM OUTFLOW (  2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  3032.) IS GREATER THAN MAXIMUM OUTFLOW (  2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  3037.) IS GREATER THAN MAXIMUM OUTFLOW (  2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  2985.) IS GREATER THAN MAXIMUM OUTFLOW (  2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  2889.) IS GREATER THAN MAXIMUM OUTFLOW (  2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  2790.) IS GREATER THAN MAXIMUM OUTFLOW (  2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  2751.) IS GREATER THAN MAXIMUM OUTFLOW (  2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  2762.) IS GREATER THAN MAXIMUM OUTFLOW (  2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  2727.) IS GREATER THAN MAXIMUM OUTFLOW (  2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  2612.) IS GREATER THAN MAXIMUM OUTFLOW (  2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  2467.) IS GREATER THAN MAXIMUM OUTFLOW (  2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  2454.) IS GREATER THAN MAXIMUM OUTFLOW (  2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  2644.) IS GREATER THAN MAXIMUM OUTFLOW (  2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  2812.) IS GREATER THAN MAXIMUM OUTFLOW (  2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  2945.) IS GREATER THAN MAXIMUM OUTFLOW (  2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  3023.) IS GREATER THAN MAXIMUM OUTFLOW (  2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  3040.) IS GREATER THAN MAXIMUM OUTFLOW (  2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  2999.) IS GREATER THAN MAXIMUM OUTFLOW (  2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  2910.) IS GREATER THAN MAXIMUM OUTFLOW (  2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  2809.) IS GREATER THAN MAXIMUM OUTFLOW (  2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  2754.) IS GREATER THAN MAXIMUM OUTFLOW (  2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  2758.) IS GREATER THAN MAXIMUM OUTFLOW (  2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  2739.) IS GREATER THAN MAXIMUM OUTFLOW (  2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  2639.) IS GREATER THAN MAXIMUM OUTFLOW (  2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  2496.) IS GREATER THAN MAXIMUM OUTFLOW (  2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  2456.) IS GREATER THAN MAXIMUM OUTFLOW (  2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  2640.) IS GREATER THAN MAXIMUM OUTFLOW (  2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  2803.) IS GREATER THAN MAXIMUM OUTFLOW (  2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  2926.) IS GREATER THAN MAXIMUM OUTFLOW (  2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  2995.) IS GREATER THAN MAXIMUM OUTFLOW (  2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  3002.) IS GREATER THAN MAXIMUM OUTFLOW (  2446.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (   2953.) IS GREATER THAN MAXIMUM OUTFLOW (   2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2859.) IS GREATER THAN MAXIMUM OUTFLOW (   2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2760.) IS GREATER THAN MAXIMUM OUTFLOW (   2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2720.) IS GREATER THAN MAXIMUM OUTFLOW (   2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2735.) IS GREATER THAN MAXIMUM OUTFLOW (   2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2706.) IS GREATER THAN MAXIMUM OUTFLOW (   2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2595.) IS GREATER THAN MAXIMUM OUTFLOW (   2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2452.) IS GREATER THAN MAXIMUM OUTFLOW (   2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2605.) IS GREATER THAN MAXIMUM OUTFLOW (   2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2772.) IS GREATER THAN MAXIMUM OUTFLOW (   2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2905.) IS GREATER THAN MAXIMUM OUTFLOW (   2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2985.) IS GREATER THAN MAXIMUM OUTFLOW (   2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   3004.) IS GREATER THAN MAXIMUM OUTFLOW (   2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2966.) IS GREATER THAN MAXIMUM OUTFLOW (   2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2880.) IS GREATER THAN MAXIMUM OUTFLOW (   2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2779.) IS GREATER THAN MAXIMUM OUTFLOW (   2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2723.) IS GREATER THAN MAXIMUM OUTFLOW (   2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2729.) IS GREATER THAN MAXIMUM OUTFLOW (   2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2717.) IS GREATER THAN MAXIMUM OUTFLOW (   2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2622.) IS GREATER THAN MAXIMUM OUTFLOW (   2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2481.) IS GREATER THAN MAXIMUM OUTFLOW (   2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2508.) IS GREATER THAN MAXIMUM OUTFLOW (   2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2659.) IS GREATER THAN MAXIMUM OUTFLOW (   2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2781.) IS GREATER THAN MAXIMUM OUTFLOW (   2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2856.) IS GREATER THAN MAXIMUM OUTFLOW (   2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2877.) IS GREATER THAN MAXIMUM OUTFLOW (   2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2843.) IS GREATER THAN MAXIMUM OUTFLOW (   2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2771.) IS GREATER THAN MAXIMUM OUTFLOW (   2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2702.) IS GREATER THAN MAXIMUM OUTFLOW (   2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2691.) IS GREATER THAN MAXIMUM OUTFLOW (   2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2717.) IS GREATER THAN MAXIMUM OUTFLOW (   2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2687.) IS GREATER THAN MAXIMUM OUTFLOW (   2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2579.) IS GREATER THAN MAXIMUM OUTFLOW (   2446.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (   2473.) IS GREATER THAN MAXIMUM OUTFLOW (   2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2632.) IS GREATER THAN MAXIMUM OUTFLOW (   2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2758.) IS GREATER THAN MAXIMUM OUTFLOW (   2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2844.) IS GREATER THAN MAXIMUM OUTFLOW (   2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2876.) IS GREATER THAN MAXIMUM OUTFLOW (   2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2853.) IS GREATER THAN MAXIMUM OUTFLOW (   2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2787.) IS GREATER THAN MAXIMUM OUTFLOW (   2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2714.) IS GREATER THAN MAXIMUM OUTFLOW (   2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2688.) IS GREATER THAN MAXIMUM OUTFLOW (   2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2710.) IS GREATER THAN MAXIMUM OUTFLOW (   2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2698.) IS GREATER THAN MAXIMUM OUTFLOW (   2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2605.) IS GREATER THAN MAXIMUM OUTFLOW (   2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2470.) IS GREATER THAN MAXIMUM OUTFLOW (   2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2488.) IS GREATER THAN MAXIMUM OUTFLOW (   2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2637.) IS GREATER THAN MAXIMUM OUTFLOW (   2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2758.) IS GREATER THAN MAXIMUM OUTFLOW (   2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2834.) IS GREATER THAN MAXIMUM OUTFLOW (   2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2857.) IS GREATER THAN MAXIMUM OUTFLOW (   2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2826.) IS GREATER THAN MAXIMUM OUTFLOW (   2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2757.) IS GREATER THAN MAXIMUM OUTFLOW (   2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2691.) IS GREATER THAN MAXIMUM OUTFLOW (   2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2684.) IS GREATER THAN MAXIMUM OUTFLOW (   2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2712.) IS GREATER THAN MAXIMUM OUTFLOW (   2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2683.) IS GREATER THAN MAXIMUM OUTFLOW (   2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2577.) IS GREATER THAN MAXIMUM OUTFLOW (   2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2453.) IS GREATER THAN MAXIMUM OUTFLOW (   2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2611.) IS GREATER THAN MAXIMUM OUTFLOW (   2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2735.) IS GREATER THAN MAXIMUM OUTFLOW (   2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2822.) IS GREATER THAN MAXIMUM OUTFLOW (   2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2855.) IS GREATER THAN MAXIMUM OUTFLOW (   2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2835.) IS GREATER THAN MAXIMUM OUTFLOW (   2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2772.) IS GREATER THAN MAXIMUM OUTFLOW (   2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2703.) IS GREATER THAN MAXIMUM OUTFLOW (   2446.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (   2681.) IS GREATER THAN MAXIMUM OUTFLOW (   2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2705.) IS GREATER THAN MAXIMUM OUTFLOW (   2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2694.) IS GREATER THAN MAXIMUM OUTFLOW (   2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2602.) IS GREATER THAN MAXIMUM OUTFLOW (   2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2468.) IS GREATER THAN MAXIMUM OUTFLOW (   2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2552.) IS GREATER THAN MAXIMUM OUTFLOW (   2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2633.) IS GREATER THAN MAXIMUM OUTFLOW (   2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2674.) IS GREATER THAN MAXIMUM OUTFLOW (   2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2672.) IS GREATER THAN MAXIMUM OUTFLOW (   2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2639.) IS GREATER THAN MAXIMUM OUTFLOW (   2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2625.) IS GREATER THAN MAXIMUM OUTFLOW (   2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2667.) IS GREATER THAN MAXIMUM OUTFLOW (   2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2713.) IS GREATER THAN MAXIMUM OUTFLOW (   2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2683.) IS GREATER THAN MAXIMUM OUTFLOW (   2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2582.) IS GREATER THAN MAXIMUM OUTFLOW (   2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2458.) IS GREATER THAN MAXIMUM OUTFLOW (   2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2533.) IS GREATER THAN MAXIMUM OUTFLOW (   2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2618.) IS GREATER THAN MAXIMUM OUTFLOW (   2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2669.) IS GREATER THAN MAXIMUM OUTFLOW (   2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2675.) IS GREATER THAN MAXIMUM OUTFLOW (   2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2647.) IS GREATER THAN MAXIMUM OUTFLOW (   2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2625.) IS GREATER THAN MAXIMUM OUTFLOW (   2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2655.) IS GREATER THAN MAXIMUM OUTFLOW (   2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2706.) IS GREATER THAN MAXIMUM OUTFLOW (   2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2695.) IS GREATER THAN MAXIMUM OUTFLOW (   2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2605.) IS GREATER THAN MAXIMUM OUTFLOW (   2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2483.) IS GREATER THAN MAXIMUM OUTFLOW (   2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2497.) IS GREATER THAN MAXIMUM OUTFLOW (   2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2487.) IS GREATER THAN MAXIMUM OUTFLOW (   2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2484.) IS GREATER THAN MAXIMUM OUTFLOW (   2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2496.) IS GREATER THAN MAXIMUM OUTFLOW (   2446.) IN STORAGE-OUTFLOW TABLE
        WARNING EXCESS AT PONDING LESS THAN ZERO FOR PERIOD. EXCESS SET TO ZERO
WARNING --- ROUTED OUTFLOW (   2394.) IS GREATER THAN MAXIMUM OUTFLOW (   2160.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (  2593.) IS GREATER THAN MAXIMUM OUTFLOW (  2160.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  2707.) IS GREATER THAN MAXIMUM OUTFLOW (  2160.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  2758.) IS GREATER THAN MAXIMUM OUTFLOW (  2160.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  2760.) IS GREATER THAN MAXIMUM OUTFLOW (  2160.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  2729.) IS GREATER THAN MAXIMUM OUTFLOW (  2160.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  2677.) IS GREATER THAN MAXIMUM OUTFLOW (  2160.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  2613.) IS GREATER THAN MAXIMUM OUTFLOW (  2160.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  2547.) IS GREATER THAN MAXIMUM OUTFLOW (  2160.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  2483.) IS GREATER THAN MAXIMUM OUTFLOW (  2160.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  2426.) IS GREATER THAN MAXIMUM OUTFLOW (  2160.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  2380.) IS GREATER THAN MAXIMUM OUTFLOW (  2160.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  2345.) IS GREATER THAN MAXIMUM OUTFLOW (  2160.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  2318.) IS GREATER THAN MAXIMUM OUTFLOW (  2160.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  2292.) IS GREATER THAN MAXIMUM OUTFLOW (  2160.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  2261.) IS GREATER THAN MAXIMUM OUTFLOW (  2160.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  2221.) IS GREATER THAN MAXIMUM OUTFLOW (  2160.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  2170.) IS GREATER THAN MAXIMUM OUTFLOW (  2160.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  2336.) IS GREATER THAN MAXIMUM OUTFLOW (  2160.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  2539.) IS GREATER THAN MAXIMUM OUTFLOW (  2160.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  2658.) IS GREATER THAN MAXIMUM OUTFLOW (  2160.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  2712.) IS GREATER THAN MAXIMUM OUTFLOW (  2160.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  2718.) IS GREATER THAN MAXIMUM OUTFLOW (  2160.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  2690.) IS GREATER THAN MAXIMUM OUTFLOW (  2160.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  2641.) IS GREATER THAN MAXIMUM OUTFLOW (  2160.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  2580.) IS GREATER THAN MAXIMUM OUTFLOW (  2160.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  2515.) IS GREATER THAN MAXIMUM OUTFLOW (  2160.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  2450.) IS GREATER THAN MAXIMUM OUTFLOW (  2160.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  2391.) IS GREATER THAN MAXIMUM OUTFLOW (  2160.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  2342.) IS GREATER THAN MAXIMUM OUTFLOW (  2160.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  2305.) IS GREATER THAN MAXIMUM OUTFLOW (  2160.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  2277.) IS GREATER THAN MAXIMUM OUTFLOW (  2160.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  2251.) IS GREATER THAN MAXIMUM OUTFLOW (  2160.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  2222.) IS GREATER THAN MAXIMUM OUTFLOW (  2160.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (   2185.) IS GREATER THAN MAXIMUM OUTFLOW (   2160.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2223.) IS GREATER THAN MAXIMUM OUTFLOW (   2160.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2381.) IS GREATER THAN MAXIMUM OUTFLOW (   2160.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2471.) IS GREATER THAN MAXIMUM OUTFLOW (   2160.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2508.) IS GREATER THAN MAXIMUM OUTFLOW (   2160.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2509.) IS GREATER THAN MAXIMUM OUTFLOW (   2160.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2484.) IS GREATER THAN MAXIMUM OUTFLOW (   2160.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2442.) IS GREATER THAN MAXIMUM OUTFLOW (   2160.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2390.) IS GREATER THAN MAXIMUM OUTFLOW (   2160.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2331.) IS GREATER THAN MAXIMUM OUTFLOW (   2160.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2272.) IS GREATER THAN MAXIMUM OUTFLOW (   2160.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2218.) IS GREATER THAN MAXIMUM OUTFLOW (   2160.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2174.) IS GREATER THAN MAXIMUM OUTFLOW (   2160.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2179.) IS GREATER THAN MAXIMUM OUTFLOW (   2160.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2343.) IS GREATER THAN MAXIMUM OUTFLOW (   2160.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2438.) IS GREATER THAN MAXIMUM OUTFLOW (   2160.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (   2374.) IS GREATER THAN MAXIMUM OUTFLOW (   2160.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2316.) IS GREATER THAN MAXIMUM OUTFLOW (   2160.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2257.) IS GREATER THAN MAXIMUM OUTFLOW (   2160.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2203.) IS GREATER THAN MAXIMUM OUTFLOW (   2160.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2225.) IS GREATER THAN MAXIMUM OUTFLOW (   2160.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (   2264.) IS GREATER THAN MAXIMUM OUTFLOW (   2160.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (   2170.) IS GREATER THAN MAXIMUM OUTFLOW (   2160.) IN STORAGE-OUTFLOW TABLE
        WARNING EXCESS AT PONDING LESS THAN ZERO FOR PERIOD. EXCESS SET TO ZERO
WARNING --- ROUTED OUTFLOW (   1915.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2234.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (  2453.) IS GREATER THAN MAXIMUM OUTFLOW (  1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  2594.) IS GREATER THAN MAXIMUM OUTFLOW (  1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  2700.) IS GREATER THAN MAXIMUM OUTFLOW (  1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  2783.) IS GREATER THAN MAXIMUM OUTFLOW (  1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  2816.) IS GREATER THAN MAXIMUM OUTFLOW (  1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  2787.) IS GREATER THAN MAXIMUM OUTFLOW (  1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  2703.) IS GREATER THAN MAXIMUM OUTFLOW (  1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  2572.) IS GREATER THAN MAXIMUM OUTFLOW (  1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  2404.) IS GREATER THAN MAXIMUM OUTFLOW (  1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  2213.) IS GREATER THAN MAXIMUM OUTFLOW (  1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  2021.) IS GREATER THAN MAXIMUM OUTFLOW (  1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  1835.) IS GREATER THAN MAXIMUM OUTFLOW (  1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  1656.) IS GREATER THAN MAXIMUM OUTFLOW (  1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  1843.) IS GREATER THAN MAXIMUM OUTFLOW (  1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  2186.) IS GREATER THAN MAXIMUM OUTFLOW (  1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  2419.) IS GREATER THAN MAXIMUM OUTFLOW (  1601.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (  2770.) IS GREATER THAN MAXIMUM OUTFLOW (  1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  2813.) IS GREATER THAN MAXIMUM OUTFLOW (  1601.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (  2720.) IS GREATER THAN MAXIMUM OUTFLOW (  1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  2597.) IS GREATER THAN MAXIMUM OUTFLOW (  1601.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (  1686.) IS GREATER THAN MAXIMUM OUTFLOW (  1601.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (  2134.) IS GREATER THAN MAXIMUM OUTFLOW (  1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  2384.) IS GREATER THAN MAXIMUM OUTFLOW (  1601.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (  2666.) IS GREATER THAN MAXIMUM OUTFLOW (  1601.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (  2756.) IS GREATER THAN MAXIMUM OUTFLOW (  1601.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (  2736.) IS GREATER THAN MAXIMUM OUTFLOW (  1601.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (  2281.) IS GREATER THAN MAXIMUM OUTFLOW (  1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  2088.) IS GREATER THAN MAXIMUM OUTFLOW (  1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  1899.) IS GREATER THAN MAXIMUM OUTFLOW (  1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  1717.) IS GREATER THAN MAXIMUM OUTFLOW (  1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  1688.) IS GREATER THAN MAXIMUM OUTFLOW (  1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  2078.) IS GREATER THAN MAXIMUM OUTFLOW (  1601.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (  2648.) IS GREATER THAN MAXIMUM OUTFLOW (  1601.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (  2495.) IS GREATER THAN MAXIMUM OUTFLOW (  1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  2314.) IS GREATER THAN MAXIMUM OUTFLOW (  1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  2121.) IS GREATER THAN MAXIMUM OUTFLOW (  1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  1931.) IS GREATER THAN MAXIMUM OUTFLOW (  1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  1749.) IS GREATER THAN MAXIMUM OUTFLOW (  1601.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (  2629.) IS GREATER THAN MAXIMUM OUTFLOW (  1601.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (  2764.) IS GREATER THAN MAXIMUM OUTFLOW (  1601.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (   2665.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (   1963.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (   2776.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (   2189.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1997.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1812.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (  2192.) IS GREATER THAN MAXIMUM OUTFLOW (  1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  2003.) IS GREATER THAN MAXIMUM OUTFLOW (  1601.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (  1640.) IS GREATER THAN MAXIMUM OUTFLOW (  1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  1812.) IS GREATER THAN MAXIMUM OUTFLOW (  1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  2154.) IS GREATER THAN MAXIMUM OUTFLOW (  1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  2386.) IS GREATER THAN MAXIMUM OUTFLOW (  1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  2539.) IS GREATER THAN MAXIMUM OUTFLOW (  1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  2647.) IS GREATER THAN MAXIMUM OUTFLOW (  1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  2733.) IS GREATER THAN MAXIMUM OUTFLOW (  1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  2778.) IS GREATER THAN MAXIMUM OUTFLOW (  1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  2762.) IS GREATER THAN MAXIMUM OUTFLOW (  1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  2690.) IS GREATER THAN MAXIMUM OUTFLOW (  1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  2570.) IS GREATER THAN MAXIMUM OUTFLOW (  1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  2410.) IS GREATER THAN MAXIMUM OUTFLOW (  1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  2225.) IS GREATER THAN MAXIMUM OUTFLOW (  1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  2035.) IS GREATER THAN MAXIMUM OUTFLOW (  1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  1850.) IS GREATER THAN MAXIMUM OUTFLOW (  1601.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (   1671.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1737.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2102.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2351.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2516.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2630.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2719.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2773.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2768.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2705.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2593.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2440.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2259.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2068.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1882.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1701.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1655.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2047.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2313.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2492.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2612.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2704.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2766.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2773.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2719.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2616.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2469.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2292.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2101.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1914.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1732.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1993.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2271.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (   2466.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2594.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2690.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2757.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2775.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2732.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2636.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2497.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2324.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2135.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1946.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1764.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1931.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2229.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2436.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2575.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2674.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2747.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2775.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2743.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2656.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2524.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2356.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2168.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1979.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1795.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1619.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1852.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2190.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2401.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2556.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2658.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2736.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (   2774.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2752.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2674.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2549.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2387.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2202.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2012.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1827.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1649.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1693.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1993.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2202.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2341.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2446.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2531.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2575.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2566.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2507.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2403.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2259.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2094.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1920.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1748.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1628.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1947.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2170.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2321.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2429.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2518.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2570.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2571.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2520.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2423.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (   2286.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2123.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1951.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1777.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1611.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1899.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2136.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2298.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2412.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2503.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2564.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2574.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2532.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2443.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2312.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2153.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1981.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1807.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1640.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1849.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2099.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2274.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2394.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2488.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2555.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2575.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2542.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2461.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2337.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2182.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2011.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1838.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1668.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (   1797.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2059.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2248.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2376.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2473.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2546.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2575.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2551.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2478.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2361.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2210.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2042.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1868.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1697.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1736.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2021.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2218.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2358.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2456.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (   2573.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2558.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2493.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2384.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2238.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2072.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1898.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1727.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1657.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1985.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2184.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2338.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2441.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (   2522.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2569.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2564.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2507.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (   2266.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2102.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1928.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1756.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1666.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1962.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2171.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2309.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2414.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2499.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2544.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2537.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2481.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2380.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2241.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2079.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1907.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1737.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1917.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2139.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2289.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2397.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2485.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2539.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2542.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2494.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2401.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2267.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (   2108.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1937.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1766.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1602.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1869.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2105.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2267.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2380.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2471.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2532.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2544.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2505.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2419.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2292.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2137.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1967.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1796.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1630.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1820.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2068.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2243.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2362.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2456.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2524.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2545.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2514.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2437.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2317.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2165.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1997.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1825.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1658.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1769.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (   2029.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2217.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2344.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2440.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2514.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2545.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2523.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2453.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2340.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2193.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2027.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1855.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1687.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1707.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1991.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2186.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2326.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2424.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2502.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2542.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2530.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2467.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2362.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2220.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2057.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1885.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1716.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1629.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1956.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2153.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2306.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2408.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2490.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (   2538.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2535.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2481.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2383.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2247.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2086.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1915.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1745.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1642.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1837.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1978.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2088.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2186.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2254.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2277.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2253.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2185.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2084.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1959.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1818.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1673.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1807.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1956.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2070.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2169.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2244.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2275.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2260.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2199.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2103.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1982.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1843.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1698.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (   1775.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1933.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2052.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2152.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2233.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2273.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2265.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2212.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2121.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2004.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1868.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1723.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1741.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1909.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2033.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2135.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2220.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2269.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2269.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2224.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2139.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2026.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1893.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1749.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1603.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1706.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1882.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2014.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2118.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2207.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2263.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2272.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2234.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (   2156.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2047.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1917.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1774.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1628.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1672.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1853.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1994.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2101.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2192.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2255.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2273.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2243.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2172.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2068.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1941.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1799.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1653.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1636.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1824.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1972.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2084.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2177.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2246.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2273.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2251.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2187.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2087.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1964.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1825.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1679.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1612.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1630.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (   1618.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1605.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1628.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1621.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1626.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1624.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1623.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1626.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1618.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1628.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1607.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1613.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1628.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1612.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1607.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1627.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1617.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1243.) IS GREATER THAN MAXIMUM OUTFLOW (   1160.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1359.) IS GREATER THAN MAXIMUM OUTFLOW (   1160.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1434.) IS GREATER THAN MAXIMUM OUTFLOW (   1160.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1478.) IS GREATER THAN MAXIMUM OUTFLOW (   1160.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1500.) IS GREATER THAN MAXIMUM OUTFLOW (   1160.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1506.) IS GREATER THAN MAXIMUM OUTFLOW (   1160.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1501.) IS GREATER THAN MAXIMUM OUTFLOW (   1160.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1487.) IS GREATER THAN MAXIMUM OUTFLOW (   1160.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1464.) IS GREATER THAN MAXIMUM OUTFLOW (   1160.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1432.) IS GREATER THAN MAXIMUM OUTFLOW (   1160.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1392.) IS GREATER THAN MAXIMUM OUTFLOW (   1160.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1344.) IS GREATER THAN MAXIMUM OUTFLOW (   1160.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1289.) IS GREATER THAN MAXIMUM OUTFLOW (   1160.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1232.) IS GREATER THAN MAXIMUM OUTFLOW (   1160.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1172.) IS GREATER THAN MAXIMUM OUTFLOW (   1160.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1214.) IS GREATER THAN MAXIMUM OUTFLOW (   1160.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (   1332.) IS GREATER THAN MAXIMUM OUTFLOW (   1160.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1409.) IS GREATER THAN MAXIMUM OUTFLOW (   1160.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1455.) IS GREATER THAN MAXIMUM OUTFLOW (   1160.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1477.) IS GREATER THAN MAXIMUM OUTFLOW (   1160.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1483.) IS GREATER THAN MAXIMUM OUTFLOW (   1160.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1478.) IS GREATER THAN MAXIMUM OUTFLOW (   1160.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1465.) IS GREATER THAN MAXIMUM OUTFLOW (   1160.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (   1216.) IS GREATER THAN MAXIMUM OUTFLOW (   1160.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1211.) IS GREATER THAN MAXIMUM OUTFLOW (   1160.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1300.) IS GREATER THAN MAXIMUM OUTFLOW (   1160.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1354.) IS GREATER THAN MAXIMUM OUTFLOW (   1160.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1383.) IS GREATER THAN MAXIMUM OUTFLOW (   1160.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (   1364.) IS GREATER THAN MAXIMUM OUTFLOW (   1160.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1337.) IS GREATER THAN MAXIMUM OUTFLOW (   1160.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1303.) IS GREATER THAN MAXIMUM OUTFLOW (   1160.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1263.) IS GREATER THAN MAXIMUM OUTFLOW (   1160.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (   1166.) IS GREATER THAN MAXIMUM OUTFLOW (   1160.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1194.) IS GREATER THAN MAXIMUM OUTFLOW (   1160.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1284.) IS GREATER THAN MAXIMUM OUTFLOW (   1160.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1341.) IS GREATER THAN MAXIMUM OUTFLOW (   1160.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1371.) IS GREATER THAN MAXIMUM OUTFLOW (   1160.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (   1354.) IS GREATER THAN MAXIMUM OUTFLOW (   1160.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (   1295.) IS GREATER THAN MAXIMUM OUTFLOW (   1160.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (   1199.) IS GREATER THAN MAXIMUM OUTFLOW (   1160.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1161.) IS GREATER THAN MAXIMUM OUTFLOW (   1160.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (    660.) IS GREATER THAN MAXIMUM OUTFLOW (    245.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (    961.) IS GREATER THAN MAXIMUM OUTFLOW (    245.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (    723.) IS GREATER THAN MAXIMUM OUTFLOW (    245.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (   1527.) IS GREATER THAN MAXIMUM OUTFLOW (    245.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (   1407.) IS GREATER THAN MAXIMUM OUTFLOW (    245.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (  1355.) IS GREATER THAN MAXIMUM OUTFLOW (   245.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (  1004.) IS GREATER THAN MAXIMUM OUTFLOW (   245.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (    418.) IS GREATER THAN MAXIMUM OUTFLOW (    245.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (   1199.) IS GREATER THAN MAXIMUM OUTFLOW (    245.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (    387.) IS GREATER THAN MAXIMUM OUTFLOW (    245.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (    368.) IS GREATER THAN MAXIMUM OUTFLOW (    245.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (    351.) IS GREATER THAN MAXIMUM OUTFLOW (    245.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (   1048.) IS GREATER THAN MAXIMUM OUTFLOW (    245.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (  1294.) IS GREATER THAN MAXIMUM OUTFLOW (   245.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (  1223.) IS GREATER THAN MAXIMUM OUTFLOW (   827.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  1201.) IS GREATER THAN MAXIMUM OUTFLOW (   827.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  1164.) IS GREATER THAN MAXIMUM OUTFLOW (   827.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  1116.) IS GREATER THAN MAXIMUM OUTFLOW (   827.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  1060.) IS GREATER THAN MAXIMUM OUTFLOW (   827.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   999.) IS GREATER THAN MAXIMUM OUTFLOW (   827.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   935.) IS GREATER THAN MAXIMUM OUTFLOW (   827.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   871.) IS GREATER THAN MAXIMUM OUTFLOW (   827.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  1020.) IS GREATER THAN MAXIMUM OUTFLOW (   827.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  1181.) IS GREATER THAN MAXIMUM OUTFLOW (   827.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (  1222.) IS GREATER THAN MAXIMUM OUTFLOW (   827.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  1208.) IS GREATER THAN MAXIMUM OUTFLOW (   827.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  1170.) IS GREATER THAN MAXIMUM OUTFLOW (   827.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  1126.) IS GREATER THAN MAXIMUM OUTFLOW (   827.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  1071.) IS GREATER THAN MAXIMUM OUTFLOW (   827.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  1011.) IS GREATER THAN MAXIMUM OUTFLOW (   827.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (    946.) IS GREATER THAN MAXIMUM OUTFLOW (    827.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (    883.) IS GREATER THAN MAXIMUM OUTFLOW (    827.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (    950.) IS GREATER THAN MAXIMUM OUTFLOW (    827.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (   1178.) IS GREATER THAN MAXIMUM OUTFLOW (    827.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (   1021.) IS GREATER THAN MAXIMUM OUTFLOW (    827.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (   1101.) IS GREATER THAN MAXIMUM OUTFLOW (    827.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (   1103.) IS GREATER THAN MAXIMUM OUTFLOW (    827.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (   1205.) IS GREATER THAN MAXIMUM OUTFLOW (    827.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (    838.) IS GREATER THAN MAXIMUM OUTFLOW (    827.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (   1183.) IS GREATER THAN MAXIMUM OUTFLOW (    827.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (   1018.) IS GREATER THAN MAXIMUM OUTFLOW (    827.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (    971.) IS GREATER THAN MAXIMUM OUTFLOW (    827.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (    919.) IS GREATER THAN MAXIMUM OUTFLOW (    827.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (    864.) IS GREATER THAN MAXIMUM OUTFLOW (    827.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1062.) IS GREATER THAN MAXIMUM OUTFLOW (    827.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1097.) IS GREATER THAN MAXIMUM OUTFLOW (    827.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1089.) IS GREATER THAN MAXIMUM OUTFLOW (    827.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1091.) IS GREATER THAN MAXIMUM OUTFLOW (    827.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (   1025.) IS GREATER THAN MAXIMUM OUTFLOW (    827.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (    980.) IS GREATER THAN MAXIMUM OUTFLOW (    827.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (    874.) IS GREATER THAN MAXIMUM OUTFLOW (    827.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (   1103.) IS GREATER THAN MAXIMUM OUTFLOW (    827.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (    957.) IS GREATER THAN MAXIMUM OUTFLOW (    827.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (   2406.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2256.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2543.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2764.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (   2816.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2871.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2868.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2714.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2469.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   3200.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   4057.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   4384.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   4319.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   4205.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   4106.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   3951.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   3763.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (   3371.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   3172.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (   2788.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (   2875.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (   2252.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   3020.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (   4345.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (   3981.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   3795.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   3604.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   3405.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (   2641.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (   2546.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (   2741.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   3744.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   4275.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (  4300.) IS GREATER THAN MAXIMUM OUTFLOW (  2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  4202.) IS GREATER THAN MAXIMUM OUTFLOW (  2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  4116.) IS GREATER THAN MAXIMUM OUTFLOW (  2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  3974.) IS GREATER THAN MAXIMUM OUTFLOW (  2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  3798.) IS GREATER THAN MAXIMUM OUTFLOW (  2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  3612.) IS GREATER THAN MAXIMUM OUTFLOW (  2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  3413.) IS GREATER THAN MAXIMUM OUTFLOW (  2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  3217.) IS GREATER THAN MAXIMUM OUTFLOW (  2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  3026.) IS GREATER THAN MAXIMUM OUTFLOW (  2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  2834.) IS GREATER THAN MAXIMUM OUTFLOW (  2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  2646.) IS GREATER THAN MAXIMUM OUTFLOW (  2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  2473.) IS GREATER THAN MAXIMUM OUTFLOW (  2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  2318.) IS GREATER THAN MAXIMUM OUTFLOW (  2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  2337.) IS GREATER THAN MAXIMUM OUTFLOW (  2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  2674.) IS GREATER THAN MAXIMUM OUTFLOW (  2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  2761.) IS GREATER THAN MAXIMUM OUTFLOW (  2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  2824.) IS GREATER THAN MAXIMUM OUTFLOW (  2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  2882.) IS GREATER THAN MAXIMUM OUTFLOW (  2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  2800.) IS GREATER THAN MAXIMUM OUTFLOW (  2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  2599.) IS GREATER THAN MAXIMUM OUTFLOW (  2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  2344.) IS GREATER THAN MAXIMUM OUTFLOW (  2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  2563.) IS GREATER THAN MAXIMUM OUTFLOW (  2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  3582.) IS GREATER THAN MAXIMUM OUTFLOW (  2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  4223.) IS GREATER THAN MAXIMUM OUTFLOW (  2248.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (  4002.) IS GREATER THAN MAXIMUM OUTFLOW (  2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  3828.) IS GREATER THAN MAXIMUM OUTFLOW (  2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  3643.) IS GREATER THAN MAXIMUM OUTFLOW (  2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  3447.) IS GREATER THAN MAXIMUM OUTFLOW (  2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  3249.) IS GREATER THAN MAXIMUM OUTFLOW (  2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  3058.) IS GREATER THAN MAXIMUM OUTFLOW (  2248.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (   2866.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (   2251.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (   2809.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (   4149.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (   2530.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2368.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2580.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2754.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (   3231.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   4053.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (   4154.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (   3890.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   3705.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   3514.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   3315.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (   2794.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (   3921.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   3736.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (   2962.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (   4185.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   4086.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (   2376.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (   2689.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (   4175.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   4341.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (   4257.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (   3864.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (   2899.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2711.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2532.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2369.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2547.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2759.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (   2826.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (   3121.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2938.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2757.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2581.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2418.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2270.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2495.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2621.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2714.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2805.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2791.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2663.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (   4058.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   4048.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (   3812.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   3680.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (   3151.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (   2294.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (   2609.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (   3924.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   3830.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   3710.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   3546.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   3374.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   3199.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   3020.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2839.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2660.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2491.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (  3572.) IS GREATER THAN MAXIMUM OUTFLOW (  2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  3478.) IS GREATER THAN MAXIMUM OUTFLOW (  2248.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (  3049.) IS GREATER THAN MAXIMUM OUTFLOW (  2248.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (  2720.) IS GREATER THAN MAXIMUM OUTFLOW (  2248.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (  2266.) IS GREATER THAN MAXIMUM OUTFLOW (  2248.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (  3666.) IS GREATER THAN MAXIMUM OUTFLOW (  2248.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (   2536.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2430.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2275.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2959.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   3538.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   3717.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   3640.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   3530.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   3432.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   3301.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   3148.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2994.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (   2667.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2509.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2360.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2360.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2482.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2583.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (   2603.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2548.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (   2304.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2825.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   3459.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (   3448.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   3326.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   3174.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   3019.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2860.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2695.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2535.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2384.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2318.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (   2738.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2647.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2539.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2424.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2309.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (   2844.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2822.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2751.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2664.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2558.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2443.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (   2328.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2620.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (   2832.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (   2679.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2577.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2463.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2347.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2544.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2819.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2840.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2777.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2694.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2595.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2482.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2366.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2252.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2456.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2794.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2847.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2789.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2709.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2613.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2502.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2386.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2271.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2358.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2759.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2852.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2801.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2722.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2630.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (   2521.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2405.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2290.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2253.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2711.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2853.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2814.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2736.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2646.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (   2826.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2749.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (   2577.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (   2348.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2492.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2812.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2848.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2776.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2692.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (   2595.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (   2367.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2252.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2399.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2779.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2856.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2790.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2706.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2612.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (   2859.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (   2720.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2628.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (   2406.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2290.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
        WARNING EXCESS AT PONDING LESS THAN ZERO FOR PERIOD. EXCESS SET TO ZERO
WARNING --- ROUTED OUTFLOW (  18527.) IS GREATER THAN MAXIMUM OUTFLOW (  18188.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  18843.) IS GREATER THAN MAXIMUM OUTFLOW (  18188.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  19062.) IS GREATER THAN MAXIMUM OUTFLOW (  18188.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  19082.) IS GREATER THAN MAXIMUM OUTFLOW (  18188.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  18889.) IS GREATER THAN MAXIMUM OUTFLOW (  18188.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  18546.) IS GREATER THAN MAXIMUM OUTFLOW (  18188.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  18456.) IS GREATER THAN MAXIMUM OUTFLOW (  18188.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  18776.) IS GREATER THAN MAXIMUM OUTFLOW (  18188.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  19023.) IS GREATER THAN MAXIMUM OUTFLOW (  18188.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  19092.) IS GREATER THAN MAXIMUM OUTFLOW (  18188.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (  18944.) IS GREATER THAN MAXIMUM OUTFLOW (  18188.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  18628.) IS GREATER THAN MAXIMUM OUTFLOW (  18188.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  18235.) IS GREATER THAN MAXIMUM OUTFLOW (  18188.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  18383.) IS GREATER THAN MAXIMUM OUTFLOW (  18188.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  18709.) IS GREATER THAN MAXIMUM OUTFLOW (  18188.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  18975.) IS GREATER THAN MAXIMUM OUTFLOW (  18188.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  19090.) IS GREATER THAN MAXIMUM OUTFLOW (  18188.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  18989.) IS GREATER THAN MAXIMUM OUTFLOW (  18188.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  18705.) IS GREATER THAN MAXIMUM OUTFLOW (  18188.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  18322.) IS GREATER THAN MAXIMUM OUTFLOW (  18188.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  18308.) IS GREATER THAN MAXIMUM OUTFLOW (  18188.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  18641.) IS GREATER THAN MAXIMUM OUTFLOW (  18188.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  18922.) IS GREATER THAN MAXIMUM OUTFLOW (  18188.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  19076.) IS GREATER THAN MAXIMUM OUTFLOW (  18188.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  19025.) IS GREATER THAN MAXIMUM OUTFLOW (  18188.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  18776.) IS GREATER THAN MAXIMUM OUTFLOW (  18188.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  18409.) IS GREATER THAN MAXIMUM OUTFLOW (  18188.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  18390.) IS GREATER THAN MAXIMUM OUTFLOW (  18188.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  18708.) IS GREATER THAN MAXIMUM OUTFLOW (  18188.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  18932.) IS GREATER THAN MAXIMUM OUTFLOW (  18188.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  18958.) IS GREATER THAN MAXIMUM OUTFLOW (  18188.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  18770.) IS GREATER THAN MAXIMUM OUTFLOW (  18188.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  18426.) IS GREATER THAN MAXIMUM OUTFLOW (  18188.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  18318.) IS GREATER THAN MAXIMUM OUTFLOW (  18188.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  18641.) IS GREATER THAN MAXIMUM OUTFLOW (  18188.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  18891.) IS GREATER THAN MAXIMUM OUTFLOW (  18188.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  18966.) IS GREATER THAN MAXIMUM OUTFLOW (  18188.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  18823.) IS GREATER THAN MAXIMUM OUTFLOW (  18188.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  18508.) IS GREATER THAN MAXIMUM OUTFLOW (  18188.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  18244.) IS GREATER THAN MAXIMUM OUTFLOW (  18188.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  18573.) IS GREATER THAN MAXIMUM OUTFLOW (  18188.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  18843.) IS GREATER THAN MAXIMUM OUTFLOW (  18188.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (  18963.) IS GREATER THAN MAXIMUM OUTFLOW (  18188.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (18868.) IS GREATER THAN MAXIMUM OUTFLOW (18188.) IN STORAGE-OUTFLOW TABLE

WARNING --- ROUTED OUTFLOW (18585.) IS GREATER THAN MAXIMUM OUTFLOW (18188.) IN STORAGE-OUTFLOW TABLE

WARNING --- ROUTED OUTFLOW (18196.) IS GREATER THAN MAXIMUM OUTFLOW (18188.) IN STORAGE-OUTFLOW TABLE

WARNING --- ROUTED OUTFLOW (18504.) IS GREATER THAN MAXIMUM OUTFLOW (18188.) IN STORAGE-OUTFLOW TABLE

WARNING --- ROUTED OUTFLOW (18789.) IS GREATER THAN MAXIMUM OUTFLOW (18188.) IN STORAGE-OUTFLOW TABLE

WARNING --- ROUTED OUTFLOW (18948.) IS GREATER THAN MAXIMUM OUTFLOW (18188.) IN STORAGE-OUTFLOW TABLE

WARNING --- ROUTED OUTFLOW (18902.) IS GREATER THAN MAXIMUM OUTFLOW (18188.) IN STORAGE-OUTFLOW TABLE

WARNING --- ROUTED OUTFLOW (18657.) IS GREATER THAN MAXIMUM OUTFLOW (18188.) IN STORAGE-OUTFLOW TABLE

WARNING --- ROUTED OUTFLOW (18285.) IS GREATER THAN MAXIMUM OUTFLOW (18188.) IN STORAGE-OUTFLOW TABLE

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RUNOFF SUMMARY
FLOW IN CUBIC FEET PER SECOND
TIME IN HOURS, AREA IN SQUARE MILES

	OPERATION	STATION	PEAK FLOW	TIME OF PEAK	AVERAGE FLOW FOR MAXIMUM PERIOD 6-HOUR	24-HOUR	72-HOUR	BASIN AREA	MAXIMUM STAGE	TIME OF MAX STAGE
+	HYDROGRAPH AT	7-32	371.	4.25	61.	15.	6.	0.25		
+	DIVERSION TO	D7-32	56.	4.00	3.	1.	0.	0.25		
+	HYDROGRAPH AT	RET7	371.	4.25	58.	15.	5.	0.25		
+	DIVERSION TO	D67TB	197.	4.25	31.	8.	3.	0.25		
+	HYDROGRAPH AT	DTB67	175.	4.25	27.	7.	2.	0.25		
+	ROUTED TO	RTB1	165.	4.50	27.	7.	2.	0.25		
+	HYDROGRAPH AT	12-31	1163.	4.42	205.	51.	19.	1.02		
+	DIVERSION TO	D1231W	744.	4.42	131.	33.	12.	1.02		
+	HYDROGRAPH AT	D1231S	419.	4.42	74.	19.	7.	1.02		
+	2 COMBINED AT	CTB1	545.	4.42	100.	25.	9.	1.27		
+	DIVERSION TO	STB1S	245.	4.42	39.	10.	4.	1.27		
+	HYDROGRAPH AT	STB1W	300.	4.42	61.	15.	6.	1.27		
+	ROUTED TO	RTB2	293.	4.58	61.	15.	6.	1.27		
	HYDROGRAPH AT									

+		D1231W	744.	4.42	131.	33.	12.	1.02
+	DIVERSION TO	S75AW	414.	4.42	65.	16.	6.	1.02
+	HYDROGRAPH AT	S75AS	330.	4.42	66.	17.	6.	1.02
+	ROUTED TO	R75A	324.	4.50	66.	17.	6.	1.02
+	2 COMBINED AT	CTB75	604.	4.58	127.	32.	12.	1.27
+	DIVERSION TO	D75TB	278.	4.58	58.	15.	5.	1.27
+	HYDROGRAPH AT	DTB75	326.	4.58	68.	17.	6.	1.27
+	ROUTED TO	RTB3	321.	4.67	68.	17.	6.	1.27
+	HYDROGRAPH AT	2-31	181.	4.42	41.	10.	4.	0.29
+	DIVERSION TO	D231W	139.	4.42	31.	8.	3.	0.29
+	HYDROGRAPH AT	D231S	42.	4.42	9.	2.	1.	0.29
+	ROUTED TO	R1131S	37.	5.08	9.	2.	1.	0.29
+	HYDROGRAPH AT	11-31	714.	4.58	175.	44.	16.	1.00
+	HYDROGRAPH AT	S75AW	414.	4.42	65.	16.	6.	1.02
+	ROUTED TO	R1131W	379.	4.75	65.	16.	6.	1.02
+	3 COMBINED AT	C11-31	958.	4.75	236.	59.	21.	2.55
+	DIVERSION TO	D1131W	671.	4.75	165.	42.	15.	2.55
+	HYDROGRAPH AT	D1131S	287.	4.75	71.	18.	6.	2.55
+	2 COMBINED AT	CTB2	578.	4.75	138.	35.	13.	2.55
+	DIVERSION TO	STB2S	194.	4.75	40.	10.	4.	2.55
+	HYDROGRAPH AT	STB2W	384.	4.75	98.	25.	9.	2.55
+	ROUTED TO	RTB4	378.	4.83	98.	25.	9.	2.55
	HYDROGRAPH AT							

+		D1131W	671.	4.75	165.	42.	15.	2.55
+	ROUTED TO	R83A	666.	4.83	165.	42.	15.	2.55
+	2 COMBINED AT	CTB83	1044.	4.83	263.	66.	24.	2.55
+	DIVERSION TO	D83TB	522.	4.83	132.	33.	12.	2.55
+	HYDROGRAPH AT	DTB83	522.	4.83	132.	33.	12.	2.55
+	HYDROGRAPH AT	10-31	91.	4.50	24.	6.	2.	0.11
+	2 COMBINED AT	CADOT1	587.	4.83	153.	39.	14.	2.67
+	DIVERSION TO	ADOT1S	587.	4.83	153.	39.	14.	2.67
+	HYDROGRAPH AT	ADOT1W	0.	0.08	0.	0.	0.	2.67
+	HYDROGRAPH AT	17-32	268.	4.50	63.	16.	6.	0.28
+	DIVERSION TO	D1732	94.	4.50	10.	2.	1.	0.28
+	HYDROGRAPH AT	RET17	240.	4.75	54.	14.	5.	0.28
+	DIVERSION TO	D59CR	127.	4.75	29.	7.	3.	0.28
+	HYDROGRAPH AT	DCR59	113.	4.75	25.	6.	2.	0.28
+	ROUTED TO	RCR1	101.	4.92	25.	6.	2.	0.28
+	HYDROGRAPH AT	18-32	872.	4.50	195.	49.	18.	0.91
+	DIVERSION TO	D1832W	419.	4.50	94.	24.	9.	0.91
+	HYDROGRAPH AT	D1832S	454.	4.50	101.	26.	9.	0.91
+	2 COMBINED AT	CCR1	491.	4.58	124.	31.	11.	1.44
+	DIVERSION TO	SCR1S	209.	4.58	46.	11.	4.	1.44
+	HYDROGRAPH AT	SCR1W	282.	4.58	78.	20.	7.	1.44
+	ROUTED TO	RCR2	278.	4.67	78.	20.	7.	1.44
	HYDROGRAPH AT							

+		D67TB	197.	4.25	31.	8.	3.	0.25
+	ROUTED TO	R67A	189.	4.42	31.	8.	3.	0.25
+	HYDROGRAPH AT	D1832W	419.	4.50	94.	24.	9.	0.91
+	2 COMBINED AT	C67A	554.	4.50	122.	31.	11.	1.44
+	DIVERSION TO	S67AW	332.	4.50	64.	16.	6.	1.44
+	HYDROGRAPH AT	S67AS	223.	4.50	59.	15.	5.	1.44
+	ROUTED TO	R67B	219.	4.67	58.	15.	5.	1.44
+	2 COMBINED AT	CCR67	497.	4.67	137.	35.	13.	1.44
+	DIVERSION TO	D67CR	156.	4.67	22.	5.	2.	1.44
+	HYDROGRAPH AT	DCR67	341.	4.67	115.	29.	11.	1.44
+	ROUTED TO	RCR3	338.	4.83	115.	29.	11.	1.44
+	HYDROGRAPH AT	STB1S	245.	4.42	39.	10.	4.	1.27
+	ROUTED TO	R1331S	216.	4.83	39.	10.	4.	1.27
+	HYDROGRAPH AT	13-31	992.	4.50	231.	58.	21.	1.00
+	HYDROGRAPH AT	S67AW	332.	4.50	64.	16.	6.	1.44
+	ROUTED TO	R1331W	301.	5.00	64.	16.	6.	1.44
+	3 COMBINED AT	C13-31	1231.	4.83	321.	81.	29.	3.46
+	DIVERSION TO	D1331W	616.	4.83	160.	40.	15.	3.46
+	HYDROGRAPH AT	D1331S	616.	4.83	160.	40.	15.	3.46
+	2 COMBINED AT	CCR2	932.	4.83	274.	70.	25.	3.46
+	DIVERSION TO	SCR2S	283.	4.83	44.	11.	4.	3.46
+	HYDROGRAPH AT	SCR2W	649.	4.83	230.	59.	21.	3.46
	ROUTED TO							

+		RCR4	647.	4.92	230.	59.	21.	3.46
+	HYDROGRAPH AT	D75TB	278.	4.58	58.	15.	5.	1.27
+	ROUTED TO	R75B	271.	4.67	58.	15.	5.	1.27
+	HYDROGRAPH AT	D1331W	616.	4.83	160.	40.	15.	3.46
+	2 COMBINED AT	C75A	848.	4.83	217.	55.	20.	3.46
+	DIVERSION TO	S75BW	286.	4.83	66.	17.	6.	3.46
+	HYDROGRAPH AT	S75BS	562.	4.83	150.	38.	14.	3.46
+	ROUTED TO	R75C	558.	4.92	150.	38.	14.	3.46
+	2 COMBINED AT	CCR75	1205.	4.92	380.	97.	35.	3.46
+	DIVERSION TO	D75CR	387.	4.92	69.	17.	6.	3.46
+	HYDROGRAPH AT	DCR75	818.	4.92	310.	79.	29.	3.46
+	ROUTED TO	RCR5	816.	5.00	310.	79.	29.	3.46
+	HYDROGRAPH AT	STB2S	194.	4.75	40.	10.	4.	2.55
+	ROUTED TO	R1431S	177.	5.17	40.	10.	4.	2.55
+	HYDROGRAPH AT	14-31	1009.	4.50	232.	58.	21.	1.01
+	DIVERSION TO	D14-31	91.	4.50	10.	2.	1.	1.01
+	HYDROGRAPH AT	RET14	918.	4.50	222.	56.	20.	1.01
+	HYDROGRAPH AT	S75BW	286.	4.83	66.	17.	6.	3.46
+	ROUTED TO	R1431W	278.	5.08	66.	17.	6.	3.46
+	3 COMBINED AT	C14-31	1029.	5.00	304.	77.	28.	5.76
+	DIVERSION TO	D1431W	494.	5.00	146.	37.	13.	5.76
+	HYDROGRAPH AT	D1431S	535.	5.00	158.	40.	14.	5.76
+	2 COMBINED AT							

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+		CCR3	1323.	5.00	465.	119.	43.	5.76
+	DIVERSION TO	SCR3S	323.	5.00	48.	12.	4.	5.76
+	HYDROGRAPH AT	SCR3W	999.	5.00	417.	107.	38.	5.76
+	ROUTED TO	RCR6	998.	5.08	417.	107.	38.	5.76
+	HYDROGRAPH AT	D83TB	522.	4.83	132.	33.	12.	2.55
+	ROUTED TO	R83B	519.	5.00	131.	33.	12.	2.55
+	HYDROGRAPH AT	D1431W	494.	5.00	146.	37.	13.	5.76
+	2 COMBINED AT	C83A	959.	5.00	267.	68.	24.	5.76
+	DIVERSION TO	S83AW	576.	5.00	147.	37.	13.	5.76
+	HYDROGRAPH AT	S83AS	383.	5.00	120.	31.	11.	5.76
+	ROUTED TO	R83C	380.	5.08	120.	31.	11.	5.76
+	2 COMBINED AT	CCR83	1378.	5.08	537.	138.	50.	5.76
+	DIVERSION TO	D83CR	300.	5.08	56.	14.	5.	5.76
+	HYDROGRAPH AT	DCR83	1078.	5.08	481.	124.	45.	5.76
+	ROUTED TO	RCR7	1077.	5.17	481.	124.	45.	5.76
+	HYDROGRAPH AT	15-31	675.	4.58	163.	41.	15.	0.84
+	HYDROGRAPH AT	S83AW	576.	5.00	147.	37.	13.	5.76
+	ROUTED TO	R1531W	564.	5.25	147.	37.	13.	5.76
+	2 COMBINED AT	C15-31	951.	5.08	287.	72.	26.	6.71
+	DIVERSION TO	D1531W	219.	5.08	66.	17.	6.	6.71
+	HYDROGRAPH AT	D1531S	732.	5.08	221.	56.	20.	6.71
+	2 COMBINED AT	CCR4	1800.	5.17	701.	179.	65.	6.71
	DIVERSION TO							

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+		SCR4S	279.	5.17	53.	13.	5.	6.71
+	HYDROGRAPH AT	SCR4W	1522.	5.17	648.	166.	60.	6.71
+	ROUTED TO	RCR8	1519.	5.17	648.	166.	60.	6.71
+	HYDROGRAPH AT	22-31E	510.	4.50	119.	30.	11.	0.51
+	DIVERSION TO	D2231S	326.	4.50	76.	19.	7.	0.51
+	HYDROGRAPH AT	D2231E	184.	4.50	43.	11.	4.	0.51
+	HYDROGRAPH AT	SCR4S	279.	5.17	53.	13.	5.	6.71
+	2 COMBINED AT	C2231N	384.	5.08	91.	23.	8.	7.20
+	ROUTED TO	R2231E	380.	5.25	91.	23.	8.	7.20
+	2 COMBINED AT	CADOT3	1816.	5.25	722.	185.	67.	11.60
+	ROUTED TO	R2231N	1810.	5.33	722.	185.	67.	11.60
+	HYDROGRAPH AT	ADOT1S	587.	4.83	153.	39.	14.	2.67
+	ROUTED TO	RADOT1	566.	5.00	153.	39.	14.	2.67
+	HYDROGRAPH AT	D1531W	219.	5.08	66.	17.	6.	6.71
+	2 COMBINED AT	CADOT2	715.	5.08	206.	52.	19.	6.82
+	3 COMBINED AT	NULL1	2981.	5.17	1007.	256.	92.	1.00
+	HYDROGRAPH AT	21-32	516.	4.42	101.	25.	9.	0.40
+	DIVERSION TO	D2132W	155.	4.42	30.	8.	3.	0.40
+	HYDROGRAPH AT	D2132S	361.	4.42	71.	18.	6.	0.40
+	DIVERSION TO	SPA1S	181.	4.42	28.	7.	3.	0.40
+	HYDROGRAPH AT	SPA1W	180.	4.42	42.	11.	4.	0.40
+	ROUTED TO	RPA1	176.	4.58	42.	11.	4.	0.40
	HYDROGRAPH AT							

+		D2132W	155.	4.42	30.	8.	3.	0.40
+	DIVERSION TO	S51AW	86.	4.42	11.	3.	1.	0.40
+	HYDROGRAPH AT	S51AS	69.	4.42	19.	5.	2.	0.40
+	ROUTED TO	R51A	65.	4.67	19.	5.	2.	0.40
+	2 COMBINED AT	CPA51	240.	4.58	61.	15.	6.	0.40
+	DIVERSION TO	D51PA	134.	4.58	34.	9.	3.	0.40
+	HYDROGRAPH AT	DPA51	105.	4.58	27.	7.	2.	0.40
+	ROUTED TO	RPA2	99.	4.83	27.	7.	2.	0.40
+	HYDROGRAPH AT	20-32	1053.	4.50	239.	60.	22.	0.99
+	DIVERSION TO	D2032R	169.	4.50	18.	5.	2.	0.99
+	HYDROGRAPH AT	RET20	985.	4.67	221.	56.	20.	0.99
+	HYDROGRAPH AT	S51AW	86.	4.42	11.	3.	1.	0.40
+	ROUTED TO	R2032W	59.	5.25	11.	3.	1.	0.40
+	2 COMBINED AT	C20-32	975.	4.67	230.	58.	21.	1.40
+	DIVERSION TO	D2032W	267.	4.67	64.	16.	6.	1.40
+	HYDROGRAPH AT	D2032S	687.	4.67	165.	42.	15.	1.40
+	2 COMBINED AT	CPA1	773.	4.67	192.	48.	17.	1.40
+	DIVERSION TO	SPA2S	383.	4.67	85.	21.	8.	1.40
+	HYDROGRAPH AT	SPA2W	390.	4.67	106.	27.	10.	1.40
+	ROUTED TO	RPA3	381.	4.83	106.	27.	10.	1.40
+	HYDROGRAPH AT	D59CR	127.	4.75	29.	7.	3.	0.28
+	ROUTED TO	R59A	116.	4.92	29.	7.	3.	0.28
	HYDROGRAPH AT							

+		D2032W	267.	4.67	64.	16.	6.	1.40
+	2 COMBINED AT	C59A	340.	4.75	91.	23.	8.	1.67
+	DIVERSION TO	S59AW	165.	4.75	37.	9.	3.	1.67
+	HYDROGRAPH AT	S59AS	176.	4.75	54.	14.	5.	1.67
+	ROUTED TO	R59B	172.	4.92	54.	14.	5.	1.67
+	2 COMBINED AT	CPA59	546.	4.83	160.	41.	15.	1.67
+	DIVERSION TO	D59PA	301.	4.83	88.	22.	8.	1.67
+	HYDROGRAPH AT	DPA59	246.	4.83	72.	18.	7.	1.67
+	ROUTED TO	RPA4	242.	5.00	72.	18.	7.	1.67
+	HYDROGRAPH AT	SCR1S	209.	4.58	46.	11.	4.	1.44
+	ROUTED TO	R1932S	196.	5.00	46.	11.	4.	1.44
+	HYDROGRAPH AT	19-32	907.	4.50	213.	54.	19.	0.96
+	DIVERSION TO	D1932R	91.	4.50	20.	5.	2.	0.96
+	HYDROGRAPH AT	RET19	816.	4.50	193.	49.	18.	0.96
+	HYDROGRAPH AT	S59AW	165.	4.75	37.	9.	3.	1.67
+	ROUTED TO	R1932W	155.	5.17	37.	9.	3.	1.67
+	3 COMBINED AT	C19-32	887.	4.92	262.	66.	24.	3.54
+	DIVERSION TO	D1932W	372.	4.92	110.	28.	10.	3.54
+	HYDROGRAPH AT	D1932S	514.	4.92	152.	38.	14.	3.54
+	2 COMBINED AT	CPA2	736.	4.92	222.	56.	20.	3.54
+	DIVERSION TO	SPA3S	439.	4.92	122.	30.	11.	3.54
+	HYDROGRAPH AT	SPA3W	297.	4.92	100.	26.	9.	3.54
	ROUTED TO							

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+		RPA5	295.	5.08	100.	26.	9.	3.54
+	HYDROGRAPH AT	D67CR	156.	4.67	22.	5.	2.	1.44
+	ROUTED TO	R67C	149.	4.92	22.	5.	2.	1.44
+	HYDROGRAPH AT	D1932W	372.	4.92	110.	28.	10.	3.54
+	2 COMBINED AT	C67B	490.	4.92	128.	32.	12.	3.79
+	DIVERSION TO	S67BW	313.	4.92	73.	18.	7.	3.79
+	HYDROGRAPH AT	S67BS	177.	4.92	55.	14.	5.	3.79
+	ROUTED TO	R67D	173.	5.08	55.	14.	5.	3.79
+	2 COMBINED AT	CPA67	466.	5.08	155.	40.	14.	3.79
+	DIVERSION TO	D67PA	140.	5.08	46.	12.	4.	3.79
+	HYDROGRAPH AT	DPA67	326.	5.08	108.	28.	10.	3.79
+	ROUTED TO	RPA6	323.	5.17	108.	28.	10.	3.79
+	HYDROGRAPH AT	SCR2S	283.	4.83	44.	11.	4.	3.46
+	ROUTED TO	R2431S	265.	5.17	44.	11.	4.	3.46
+	HYDROGRAPH AT	24-31	833.	4.67	235.	60.	22.	1.01
+	DIVERSION TO	D24-31	7.	4.42	1.	0.	0.	1.01
+	HYDROGRAPH AT	RET24	833.	4.67	234.	60.	21.	1.01
+	HYDROGRAPH AT	S67BW	313.	4.92	73.	18.	7.	3.79
+	ROUTED TO	R2431W	296.	5.33	73.	18.	7.	3.79
+	3 COMBINED AT	C24-31	1100.	5.17	327.	83.	30.	5.80
+	DIVERSION TO	D2431W	517.	5.17	153.	39.	14.	5.80
+	HYDROGRAPH AT	D2431S	583.	5.17	173.	44.	16.	5.80
	2 COMBINED AT							

+		CPA3	887.	5.17	278.	71.	26.	5.80
+	DIVERSION TO	SPA4S	435.	5.17	123.	31.	11.	5.80
+	HYDROGRAPH AT	SPA4W	453.	5.17	155.	40.	15.	5.80
+	ROUTED TO	RPA7	450.	5.25	154.	40.	15.	5.80
+	HYDROGRAPH AT	D75CR	387.	4.92	69.	17.	6.	3.46
+	ROUTED TO	R75D	381.	5.00	69.	17.	6.	3.46
+	HYDROGRAPH AT	D2431W	517.	5.17	153.	39.	14.	5.80
+	2 COMBINED AT	C75B	863.	5.08	217.	55.	20.	5.80
+	DIVERSION TO	S75CW	385.	5.08	88.	22.	8.	5.80
+	HYDROGRAPH AT	S75CS	479.	5.08	129.	33.	12.	5.80
+	ROUTED TO	R75E	473.	5.17	129.	33.	12.	5.80
+	2 COMBINED AT	CPA75	923.	5.25	284.	73.	26.	5.80
+	DIVERSION TO	D75PA	527.	5.25	170.	45.	16.	5.80
+	HYDROGRAPH AT	DPA75	395.	5.25	113.	28.	10.	5.80
+	ROUTED TO	RPA8	391.	5.33	113.	28.	10.	5.80
+	HYDROGRAPH AT	SCR3S	323.	5.00	48.	12.	4.	5.76
+	ROUTED TO	R23-31	301.	5.25	48.	12.	4.	5.76
+	HYDROGRAPH AT	23-31	1175.	4.42	252.	63.	23.	1.01
+	DIVERSION TO	D2331R	102.	4.17	7.	2.	1.	1.01
+	HYDROGRAPH AT	RET23	1175.	4.42	245.	62.	22.	1.01
+	HYDROGRAPH AT	S75CW	385.	5.08	88.	22.	8.	5.80
+	ROUTED TO	R2331W	371.	5.42	88.	22.	8.	5.80
	3 COMBINED AT							

+		C23-31	1170.	5.17	368.	93.	34.	8.10
+	DIVERSION TO	D2331W	518.	5.17	169.	43.	15.	8.10
+	HYDROGRAPH AT	D2331S	561.	5.17	183.	46.	17.	8.10
+	2 COMBINED AT	CPA4	916.	5.25	291.	74.	27.	8.10
+	DIVERSION TO	SPA5S	339.	5.25	101.	25.	9.	8.10
+	HYDROGRAPH AT	SPA5W	576.	5.25	190.	49.	17.	8.10
+	ROUTED TO	RPA9	572.	5.42	190.	49.	17.	8.10
+	HYDROGRAPH AT	D83CR	300.	5.08	56.	14.	5.	5.76
+	ROUTED TO	R83D	290.	5.33	56.	14.	5.	5.76
+	HYDROGRAPH AT	D2331W	518.	5.17	169.	43.	15.	8.10
+	2 COMBINED AT	C83B	773.	5.33	222.	56.	20.	8.10
+	DIVERSION TO	S83BW	343.	5.33	90.	22.	8.	8.10
+	HYDROGRAPH AT	S83BS	430.	5.33	132.	33.	12.	8.10
+	2 COMBINED AT	CPA83	1002.	5.33	320.	82.	30.	8.10
+	DIVERSION TO	D83PA	906.	5.33	243.	61.	22.	8.10
+	HYDROGRAPH AT	DPA83	96.	5.17	78.	21.	8.	8.10
+	HYDROGRAPH AT	D2231S	326.	4.50	76.	19.	7.	0.51
+	HYDROGRAPH AT	S83BW	343.	5.33	90.	22.	8.	8.10
+	2 COMBINED AT	C2231E	476.	5.25	152.	38.	14.	11.58
+	ROUTED TO	RES22	473.	5.33	142.	36.	13.	11.58
+	ROUTED TO	R2231W	470.	5.42	142.	36.	13.	11.58
+	HYDROGRAPH AT	22-31W	1123.	4.33	189.	47.	17.	0.76
	DIVERSION TO							

+		D2231C	382.	4.33	64.	16.	6.	0.76
+	HYDROGRAPH AT	D2231B	741.	4.33	124.	31.	11.	0.76
+	3 COMBINED AT	C2231W	917.	4.58	325.	85.	31.	12.35
+	DIVERSION TO	SPA6S	292.	4.58	114.	28.	10.	12.35
+	HYDROGRAPH AT	SPA6W	626.	4.58	211.	56.	20.	12.35
+	ROUTED TO	RPA10	624.	4.67	211.	56.	20.	12.35
+	DIVERSION TO	D91PA	296.	4.67	68.	17.	6.	12.35
+	HYDROGRAPH AT	DPA91	328.	4.67	143.	39.	14.	12.35
+	HYDROGRAPH AT	D2231C	382.	4.33	64.	16.	6.	0.76
+	ROUTED TO	R2231S	361.	4.50	64.	16.	6.	0.76
+	2 COMBINED AT	CPA91	567.	4.67	199.	53.	19.	12.35
+	2 COMBINED AT	NULL2	3467.	5.08	1222.	314.	113.	1.00
+	HYDROGRAPH AT	26-32W	103.	4.25	18.	5.	2.	0.09
+	DIVERSION TO	D35OA	88.	4.25	17.	4.	2.	0.09
+	HYDROGRAPH AT	DOA35	15.	4.25	1.	0.	0.	0.09
+	ROUTED TO	ROA1	9.	4.75	1.	0.	0.	0.09
+	HYDROGRAPH AT	27-32	990.	4.25	132.	33.	12.	0.61
+	DIVERSION TO	D2732W	465.	4.25	62.	16.	6.	0.61
+	HYDROGRAPH AT	D2732S	525.	4.25	70.	18.	6.	0.61
+	2 COMBINED AT	COA1	511.	4.25	70.	18.	6.	0.70
+	DIVERSION TO	SOA1S	272.	4.25	32.	8.	3.	0.70
+	HYDROGRAPH AT	SOA1W	239.	4.25	38.	10.	3.	0.70
	ROUTED TO							

+		ROA2	226.	4.42	38.	10.	3.	0.70
+	HYDROGRAPH AT	D2732W	465.	4.25	62.	16.	6.	0.61
+	DIVERSION TO	S43AW	276.	4.25	31.	8.	3.	0.61
+	HYDROGRAPH AT	S43AS	189.	4.25	31.	8.	3.	0.61
+	ROUTED TO	R43A	175.	4.42	31.	8.	3.	0.61
+	2 COMBINED AT	COA43	396.	4.42	69.	17.	6.	0.70
+	DIVERSION TO	D430A	220.	4.42	51.	13.	5.	0.70
+	HYDROGRAPH AT	DOA43	176.	4.42	18.	5.	2.	0.70
+	ROUTED TO	ROA3	157.	4.58	18.	5.	2.	0.70
+	HYDROGRAPH AT	SPA1S	181.	4.42	28.	7.	3.	0.40
+	ROUTED TO	R2832S	153.	4.92	28.	7.	3.	0.40
+	HYDROGRAPH AT	28-32	937.	4.50	229.	58.	21.	1.00
+	DIVERSION TO	D28-32	37.	4.50	9.	2.	1.	1.00
+	HYDROGRAPH AT	RET28	899.	4.50	220.	56.	20.	1.00
+	HYDROGRAPH AT	S43AW	276.	4.25	31.	8.	3.	0.61
+	ROUTED TO	R2832W	213.	4.75	31.	8.	3.	0.61
+	3 COMBINED AT	C28-32	1069.	4.75	271.	69.	25.	2.09
+	DIVERSION TO	D2832W	363.	4.75	92.	23.	8.	2.09
+	HYDROGRAPH AT	D2832S	706.	4.75	179.	45.	16.	2.09
+	2 COMBINED AT	COA2	820.	4.75	195.	49.	18.	2.09
+	DIVERSION TO	SOA2S	374.	4.75	81.	20.	7.	2.09
+	HYDROGRAPH AT	SOA2W	446.	4.75	114.	29.	10.	2.09
	ROUTED TO							

+		RA04	442.	4.83	114.	29.	10.	2.09
+	HYDROGRAPH AT	D51PA	134.	4.58	34.	9.	3.	0.40
+	ROUTED TO	R51B	131.	4.75	34.	9.	3.	0.40
+	HYDROGRAPH AT	D2832W	363.	4.75	92.	23.	8.	2.09
+	2 COMBINED AT	C51A	475.	4.75	126.	32.	11.	2.09
+	DIVERSION TO	S51BW	309.	4.75	71.	18.	6.	2.09
+	HYDROGRAPH AT	S51BS	167.	4.75	55.	14.	5.	2.09
+	ROUTED TO	R51C	163.	4.92	55.	14.	5.	2.09
+	2 COMBINED AT	COA51	601.	4.83	169.	43.	16.	2.09
+	DIVERSION TO	D510A	126.	4.83	14.	3.	1.	2.09
+	HYDROGRAPH AT	DOA51	475.	4.83	155.	40.	14.	2.09
+	ROUTED TO	ROA5	472.	4.92	155.	40.	14.	2.09
+	HYDROGRAPH AT	SPA2S	383.	4.67	85.	21.	8.	1.40
+	ROUTED TO	R2932S	363.	5.00	85.	21.	8.	1.40
+	HYDROGRAPH AT	29-32	1030.	4.50	240.	61.	22.	0.99
+	DIVERSION TO	D2932R	103.	4.50	10.	3.	1.	0.99
+	HYDROGRAPH AT	RET29	982.	4.67	230.	58.	21.	0.99
+	HYDROGRAPH AT	S51BW	309.	4.75	71.	18.	6.	2.09
+	ROUTED TO	R2932W	289.	5.17	71.	18.	6.	2.09
+	3 COMBINED AT	C29-32	1272.	4.92	367.	93.	33.	4.07
+	DIVERSION TO	D2932W	445.	4.92	128.	32.	12.	4.07
+	HYDROGRAPH AT	D2932S	827.	4.92	239.	60.	22.	4.07
	2 COMBINED AT							

+		COA3	1274.	5.00	391.	99.	36.	4.07
+	DIVERSION TO	SOA3S	509.	5.00	96.	24.	9.	4.07
+	HYDROGRAPH AT	SOA3W	765.	5.00	294.	75.	27.	4.07
+	ROUTED TO	ROA6	763.	5.00	294.	75.	27.	4.07
+	HYDROGRAPH AT	D59PA	301.	4.83	88.	22.	8.	1.67
+	ROUTED TO	R59C	296.	5.00	88.	22.	8.	1.67
+	HYDROGRAPH AT	D2932W	445.	4.92	128.	32.	12.	4.07
+	2 COMBINED AT	C59B	709.	5.00	213.	54.	20.	4.35
+	DIVERSION TO	S59BW	305.	5.00	85.	21.	8.	4.35
+	HYDROGRAPH AT	S59BS	404.	5.00	128.	33.	12.	4.35
+	ROUTED TO	RR59D	400.	5.08	128.	33.	12.	4.35
+	2 COMBINED AT	COA59	1159.	5.08	421.	108.	39.	4.35
+	DIVERSION TO	D59OA	390.	5.08	89.	22.	8.	4.35
+	HYDROGRAPH AT	DOA59	770.	5.08	332.	86.	31.	4.35
+	ROUTED TO	ROA7	767.	5.17	332.	86.	31.	4.35
+	HYDROGRAPH AT	SPA3S	439.	4.92	122.	30.	11.	3.54
+	ROUTED TO	R3032S	429.	5.25	122.	30.	11.	3.54
+	HYDROGRAPH AT	30-32	1110.	4.42	230.	58.	21.	0.96
+	DIVERSION TO	D3032R	89.	4.42	18.	5.	2.	0.96
+	HYDROGRAPH AT	RET30	1021.	4.42	212.	53.	19.	0.96
+	HYDROGRAPH AT	S59BW	305.	5.00	85.	21.	8.	4.35
+	ROUTED TO	R3032W	301.	5.17	85.	21.	8.	4.35
	3 COMBINED AT							

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+		C30-32	1208.	4.92	386.	98.	35.	7.18
+	DIVERSION TO	D3032W	508.	4.92	162.	41.	15.	7.18
+	HYDROGRAPH AT	D3032S	701.	4.92	224.	57.	21.	7.18
+	2 COMBINED AT	COA4	1415.	5.00	552.	142.	51.	7.18
+	DIVERSION TO	SOA4S	401.	5.00	92.	23.	8.	7.18
+	HYDROGRAPH AT	SOA4W	1013.	5.00	460.	119.	43.	7.18
+	ROUTED TO	ROA8	1012.	5.08	459.	119.	43.	7.18
+	HYDROGRAPH AT	D67PA	140.	5.08	46.	12.	4.	3.79
+	ROUTED TO	R67E	138.	5.25	46.	12.	4.	3.79
+	HYDROGRAPH AT	D3032W	508.	4.92	162.	41.	15.	7.18
+	2 COMBINED AT	C67C	610.	5.00	206.	53.	19.	7.43
+	DIVERSION TO	S67CW	322.	5.00	99.	25.	9.	7.43
+	HYDROGRAPH AT	S67CS	288.	5.00	107.	28.	10.	7.43
+	ROUTED TO	R67F	287.	5.08	107.	28.	10.	7.43
+	2 COMBINED AT	COA67	1296.	5.08	566.	147.	53.	7.43
+	DIVERSION TO	D67OA	311.	5.08	61.	15.	6.	7.43
+	HYDROGRAPH AT	DOA67	985.	5.08	505.	132.	47.	7.43
+	ROUTED TO	ROA9	984.	5.17	504.	132.	47.	7.43
+	HYDROGRAPH AT	SPA4S	435.	5.17	123.	31.	11.	5.80
+	ROUTED TO	R2531S	423.	5.42	123.	31.	11.	5.80
+	HYDROGRAPH AT	25-31	1107.	4.42	243.	61.	22.	1.00
+	DIVERSION TO	D2531R	122.	4.42	27.	7.	2.	1.00
	HYDROGRAPH AT							

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+	RET25	985.	4.42	216.	54.	20.	1.00
+ HYDROGRAPH AT	S67CW	322.	5.00	99.	25.	9.	7.43
+ ROUTED TO	R2531W	313.	5.33	99.	25.	9.	7.43
+ 3 COMBINED AT	C25-31	1058.	5.17	396.	101.	36.	11.46
+ DIVERSION TO	D2531W	497.	5.17	186.	47.	17.	11.46
+ HYDROGRAPH AT	D2531S	561.	5.17	210.	54.	19.	11.46
+ 2 COMBINED AT	COA5	1524.	5.17	712.	185.	67.	11.46
+ DIVERSION TO	SOA5S	420.	5.17	156.	39.	14.	11.46
+ HYDROGRAPH AT	SOA5W	1104.	5.17	555.	146.	52.	11.46
+ DIVERSION TO	RES25O	589.	4.25	190.	47.	17.	11.46
+ HYDROGRAPH AT	RES25	991.	5.67	391.	98.	35.	11.46
+ ROUTED TO	ROA10	991.	5.67	390.	98.	35.	11.46
+ HYDROGRAPH AT	D75PA	527.	5.25	170.	45.	16.	5.80
+ ROUTED TO	R75F	526.	5.33	170.	45.	16.	5.80
+ HYDROGRAPH AT	D2531W	497.	5.17	186.	47.	17.	11.46
+ 2 COMBINED AT	C75C	956.	5.33	347.	90.	32.	11.46
+ DIVERSION TO	S75DW	551.	5.33	187.	47.	17.	11.46
+ HYDROGRAPH AT	S75DS	404.	5.33	159.	43.	16.	11.46
+ ROUTED TO	R75G	403.	5.42	159.	43.	16.	11.46
+ 2 COMBINED AT	COA75	1364.	5.67	544.	141.	51.	11.46
+ DIVERSION TO	D75OA	972.	5.67	245.	61.	22.	11.46
+ HYDROGRAPH AT	DOA75	392.	5.67	299.	80.	29.	11.46
HYDROGRAPH AT							

+		SPA5S	339.	5.25	101.	25.	9.	8.10
+	HYDROGRAPH AT	26-31E	1059.	4.08	114.	29.	10.	0.46
+	DIVERSION TO	D2631R	192.	4.00	11.	3.	1.	0.46
+	HYDROGRAPH AT	RET26	1059.	4.08	103.	26.	9.	0.46
+	2 COMBINED AT	C2631E	643.	4.17	180.	45.	16.	15.22
+	DIVERSION TO	D2631N	225.	4.17	63.	16.	6.	15.22
+	HYDROGRAPH AT	D2631E	418.	4.17	117.	30.	11.	15.22
+	HYDROGRAPH AT	S75DW	551.	5.33	187.	47.	17.	11.46
+	3 COMBINED AT	C2631S	1148.	5.25	592.	155.	56.	15.22
+	ROUTED TO	RES26S	1100.	5.50	502.	127.	46.	15.22
+	DIVERSION TO	D26AS	1100.	5.50	502.	127.	46.	15.22
+	HYDROGRAPH AT	D26AW	0.	0.08	0.	0.	0.	15.22
+	HYDROGRAPH AT	26-31W	1107.	4.17	122.	31.	11.	0.54
+	DIVERSION TO	D2631N	598.	4.17	66.	16.	6.	0.54
+	HYDROGRAPH AT	D2631S	509.	4.17	56.	14.	5.	0.54
+	2 COMBINED AT	COA6	268.	4.17	48.	12.	4.	15.76
+	DIVERSION TO	SOA6S	0.	4.17	0.	0.	0.	15.76
+	HYDROGRAPH AT	SOA6W	268.	4.17	48.	12.	4.	15.76
+	DIVERSION TO	RES26O	134.	3.83	36.	9.	3.	15.76
+	HYDROGRAPH AT	RES26	134.	4.17	13.	3.	1.	15.76
+	ROUTED TO	ROA11	121.	4.42	13.	3.	1.	15.76
+	HYDROGRAPH AT	D83PA	906.	5.33	243.	61.	22.	8.10
	HYDROGRAPH AT							

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+		D2631N	225.	4.17	63.	16.	6.	15.22
+	2 COMBINED AT	C2631N	915.	5.42	284.	71.	26.	15.22
+	ROUTED TO	RES26N	398.	6.25	109.	28.	10.	15.22
+	ROUTED TO	R2631W	394.	6.33	109.	28.	10.	15.22
+	HYDROGRAPH AT	D2631N	225.	4.17	63.	16.	6.	15.22
+	2 COMBINED AT	C2631W	434.	6.25	161.	43.	16.	15.76
+	DIVERSION TO	S83CW	147.	6.25	46.	12.	4.	15.76
+	HYDROGRAPH AT	S83CS	287.	6.25	115.	32.	12.	15.76
+	ROUTED TO	R83E	282.	6.42	115.	32.	12.	15.76
+	2 COMBINED AT	COA83	282.	6.42	127.	35.	13.	15.76
+	DIVERSION TO	D83OA	1.	6.00	0.	0.	0.	15.76
+	HYDROGRAPH AT	DOA83	282.	6.42	127.	35.	13.	15.76
+	ROUTED TO	ROA12	276.	6.58	127.	35.	13.	15.76
+	HYDROGRAPH AT	SPA6S	292.	4.58	114.	28.	10.	12.35
+	ROUTED TO	R2731S	280.	5.00	114.	28.	10.	12.35
+	HYDROGRAPH AT	27-31	955.	4.50	230.	58.	21.	1.01
+	HYDROGRAPH AT	S83CW	147.	6.25	46.	12.	4.	15.76
+	ROUTED TO	R2731W	133.	6.75	46.	12.	4.	15.76
+	3 COMBINED AT	C27-31	955.	4.83	344.	89.	32.	18.05
+	DIVERSION TO	D2731W	333.	4.83	120.	31.	11.	18.05
+	HYDROGRAPH AT	D2731S	619.	4.83	223.	57.	21.	18.05
+	2 COMBINED AT	COA7	846.	4.67	341.	90.	33.	18.05
	DIVERSION TO							

+		SOA7S	130.	4.67	14.	3.	1.	18.05
+	HYDROGRAPH AT	SOA7W	717.	4.67	327.	87.	32.	18.05
+	ROUTED TO	ROA13	715.	4.83	326.	87.	32.	18.05
+	HYDROGRAPH AT	D91PA	296.	4.67	68.	17.	6.	12.35
+	ROUTED TO	R91A	289.	4.83	68.	17.	6.	12.35
+	HYDROGRAPH AT	D2731W	333.	4.83	120.	31.	11.	18.05
+	2 COMBINED AT	C91A	603.	4.83	183.	47.	17.	18.05
+	DIVERSION TO	S91AW	145.	4.83	40.	10.	4.	18.05
+	HYDROGRAPH AT	S91AS	458.	4.83	144.	37.	13.	18.05
+	ROUTED TO	R91B	453.	5.00	144.	37.	13.	18.05
+	2 COMBINED AT	COA91	1157.	4.92	470.	124.	45.	18.05
+	DIVERSION TO	D91OA	293.	4.92	53.	13.	5.	18.05
+	HYDROGRAPH AT	DOA91	864.	4.92	417.	111.	40.	18.05
+	HYDROGRAPH AT	28-31	100.	4.50	28.	7.	3.	0.14
+	HYDROGRAPH AT	S91AW	145.	4.83	40.	10.	4.	18.05
+	ROUTED TO	R2831	141.	4.92	40.	10.	4.	18.05
+	3 COMBINED AT	C28-31	1066.	4.92	477.	126.	46.	18.19
+	ROUTED TO	RADOT2	1059.	5.00	476.	126.	46.	18.19
+	HYDROGRAPH AT	36-32	190.	4.25	31.	8.	3.	0.11
+	DIVERSION TO	D27NA	190.	4.25	31.	8.	3.	0.11
+	HYDROGRAPH AT	DNA27	0.	0.08	0.	0.	0.	0.11
+	HYDROGRAPH AT	26-32E	243.	4.08	32.	8.	3.	0.11
	ROUTED TO							

+		R3532S	188.	4.50	32.	8.	3.	0.11
+	HYDROGRAPH AT	35-32	1094.	4.42	213.	54.	19.	0.99
+	DIVERSION TO	D3532W	361.	4.42	70.	18.	6.	0.99
+	HYDROGRAPH AT	D3532S	733.	4.42	143.	36.	13.	0.99
+	3 COMBINED AT	C35-32	876.	4.42	174.	44.	16.	1.09
+	DIVERSION TO	SNA1S	876.	4.42	174.	44.	16.	1.09
+	HYDROGRAPH AT	SNA1W	0.	0.08	0.	0.	0.	1.09
+	HYDROGRAPH AT	D35OA	88.	4.25	17.	4.	2.	0.09
+	ROUTED TO	R35A	80.	4.50	17.	4.	2.	0.09
+	HYDROGRAPH AT	D3532W	361.	4.42	70.	18.	6.	0.99
+	2 COMBINED AT	C35A	427.	4.42	86.	22.	8.	1.07
+	DIVERSION TO	S35AW	245.	4.42	32.	8.	3.	1.07
+	HYDROGRAPH AT	S35AS	183.	4.42	55.	14.	5.	1.07
+	ROUTED TO	R35B	180.	4.58	54.	14.	5.	1.07
+	2 COMBINED AT	CNA35	180.	4.58	54.	14.	5.	1.07
+	DIVERSION TO	D35NA	156.	4.58	51.	13.	5.	1.07
+	HYDROGRAPH AT	DNA35	24.	4.58	4.	1.	0.	1.07
+	ROUTED TO	RNA1	20.	5.08	4.	1.	0.	1.07
+	HYDROGRAPH AT	SOA1S	272.	4.25	32.	8.	3.	0.70
+	ROUTED TO	R3432S	223.	4.67	32.	8.	3.	0.70
+	HYDROGRAPH AT	34-32	1036.	4.42	218.	55.	20.	0.99
+	HYDROGRAPH AT	S35AW	245.	4.42	32.	8.	3.	1.07
	ROUTED TO							

+		R3432W	168.	5.17	32.	8.	3.	1.07
+	3 COMBINED AT	C34-32	1059.	4.58	267.	67.	24.	2.68
+	DIVERSION TO	D3432W	402.	4.58	102.	26.	9.	2.68
+	HYDROGRAPH AT	D3432S	657.	4.58	166.	42.	15.	2.68
+	2 COMBINED AT	CNA1	665.	4.58	169.	43.	15.	2.68
+	DIVERSION TO	SNA2S	442.	4.58	121.	31.	11.	2.68
+	HYDROGRAPH AT	SNA2W	223.	4.58	48.	12.	4.	2.68
+	ROUTED TO	RNA2	219.	4.75	48.	12.	4.	2.68
+	HYDROGRAPH AT	D43OA	220.	4.42	51.	13.	5.	0.70
+	ROUTED TO	R43B	210.	4.58	50.	13.	5.	0.70
+	HYDROGRAPH AT	D3432W	402.	4.58	102.	26.	9.	2.68
+	2 COMBINED AT	C43B	576.	4.58	151.	38.	14.	2.68
+	DIVERSION TO	S43BW	285.	4.58	50.	13.	5.	2.68
+	HYDROGRAPH AT	S43BS	290.	4.58	101.	26.	9.	2.68
+	ROUTED TO	R43C	287.	4.75	101.	26.	9.	2.68
+	2 COMBINED AT	CNA43	506.	4.75	149.	38.	14.	2.68
+	DIVERSION TO	D43NA	506.	4.75	149.	38.	14.	2.68
+	HYDROGRAPH AT	DNA43	0.	0.08	0.	0.	0.	2.68
+	ROUTED TO	RNA3	0.	0.08	0.	0.	0.	2.68
+	HYDROGRAPH AT	SOA2S	374.	4.75	81.	20.	7.	2.09
+	ROUTED TO	R3332S	357.	5.08	81.	20.	7.	2.09
+	HYDROGRAPH AT	33-32	818.	4.58	214.	54.	20.	0.99
	HYDROGRAPH AT							

+		S43BW	285.	4.58	50.	13.	5.	2.68
+	ROUTED TO	R3332W	258.	5.08	50.	13.	5.	2.68
+	3 COMBINED AT	C33-32	1110.	5.00	315.	80.	29.	5.06
+	DIVERSION TO	D3332W	300.	5.00	85.	22.	8.	5.06
+	HYDROGRAPH AT	D3332S	811.	5.00	230.	58.	21.	5.06
+	2 COMBINED AT	CNA2	811.	5.00	230.	58.	21.	5.06
+	DIVERSION TO	SNA3S	401.	5.00	109.	27.	10.	5.06
+	HYDROGRAPH AT	SNA3W	410.	5.00	121.	31.	11.	5.06
+	ROUTED TO	RNA4	403.	5.17	121.	31.	11.	5.06
+	HYDROGRAPH AT	D51OA	126.	4.83	14.	3.	1.	2.09
+	ROUTED TO	R51D	115.	5.08	14.	3.	1.	2.09
+	HYDROGRAPH AT	D3332W	300.	5.00	85.	22.	8.	5.06
+	2 COMBINED AT	C51B	374.	5.08	95.	24.	9.	5.06
+	DIVERSION TO	S51CW	215.	5.08	47.	12.	4.	5.06
+	HYDROGRAPH AT	S51CS	160.	5.08	48.	12.	4.	5.06
+	ROUTED TO	R51E	156.	5.25	48.	12.	4.	5.06
+	2 COMBINED AT	CNA51	555.	5.17	169.	43.	16.	5.10
+	DIVERSION TO	D51NA	311.	5.17	94.	24.	9.	5.10
+	HYDROGRAPH AT	DNA51	244.	5.17	74.	19.	7.	5.10
+	ROUTED TO	RNA5	239.	5.33	74.	19.	7.	5.10
+	HYDROGRAPH AT	SOA3S	509.	5.00	96.	24.	9.	4.07
+	ROUTED TO	R3232S	496.	5.25	96.	24.	9.	4.07
	HYDROGRAPH AT							

+		32-32	821.	4.58	213.	54.	19.	0.99
+	DIVERSION TO	D3232R	56.	4.33	4.	1.	0.	0.99
+	HYDROGRAPH AT	RET32	821.	4.58	209.	53.	19.	0.99
+	HYDROGRAPH AT	S51CW	215.	5.08	47.	12.	4.	5.06
+	ROUTED TO	R3232W	197.	5.50	47.	12.	4.	5.06
+	3 COMBINED AT	C32-32	1087.	5.17	316.	80.	29.	8.03
+	DIVERSION TO	D3232W	391.	5.17	114.	29.	10.	8.03
+	HYDROGRAPH AT	D3232S	695.	5.17	202.	51.	18.	8.03
+	2 COMBINED AT	CNA3	911.	5.25	273.	69.	25.	8.03
+	DIVERSION TO	SNA4S	336.	5.25	101.	26.	9.	8.03
+	HYDROGRAPH AT	SNA4W	575.	5.25	172.	44.	16.	8.03
+	ROUTED TO	RNA6	572.	5.33	172.	44.	16.	8.03
+	HYDROGRAPH AT	D59OA	390.	5.08	89.	22.	8.	4.35
+	ROUTED TO	R59E	387.	5.17	89.	22.	8.	4.35
+	HYDROGRAPH AT	D3232W	391.	5.17	114.	29.	10.	8.03
+	2 COMBINED AT	C59C	739.	5.17	196.	49.	18.	8.32
+	DIVERSION TO	S59CW	428.	5.17	106.	26.	10.	8.32
+	HYDROGRAPH AT	S59CS	311.	5.17	90.	23.	8.	8.32
+	ROUTED TO	R59F	309.	5.33	90.	23.	8.	8.32
+	2 COMBINED AT	CNA59	877.	5.33	262.	67.	24.	8.32
+	DIVERSION TO	D59NA	430.	5.33	128.	33.	12.	8.32
+	HYDROGRAPH AT	DNA59	448.	5.33	133.	34.	12.	8.32
	ROUTED TO							

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+		RNA7	444.	5.42	133.	34.	12.	8.32
+	HYDROGRAPH AT	SOA4S	401.	5.00	92.	23.	8.	7.18
+	ROUTED TO	R3132S	392.	5.33	92.	23.	8.	7.18
+	HYDROGRAPH AT	31-32	984.	4.50	220.	55.	20.	0.95
+	DIVERSION TO	D3132R	37.	4.17	3.	1.	0.	0.95
+	HYDROGRAPH AT	RET31	984.	4.50	217.	55.	20.	0.95
+	HYDROGRAPH AT	S59CW	428.	5.17	106.	26.	10.	8.32
+	ROUTED TO	R3132W	423.	5.42	106.	26.	10.	8.32
+	3 COMBINED AT	C31-32	1179.	5.17	375.	95.	34.	12.10
+	DIVERSION TO	D3132W	342.	5.17	109.	28.	10.	12.10
+	HYDROGRAPH AT	D3132S	837.	5.17	266.	67.	24.	12.10
+	2 COMBINED AT	CNA4	1224.	5.33	393.	100.	36.	12.10
+	DIVERSION TO	SNA5S	578.	5.33	177.	44.	16.	12.10
+	HYDROGRAPH AT	SNA5W	646.	5.33	216.	56.	20.	12.10
+	ROUTED TO	RNA8	643.	5.42	216.	56.	20.	12.10
+	HYDROGRAPH AT	D67OA	311.	5.08	61.	15.	6.	7.43
+	ROUTED TO	R67G	308.	5.25	61.	15.	6.	7.43
+	HYDROGRAPH AT	D3132W	342.	5.17	109.	28.	10.	12.10
+	2 COMBINED AT	C67D	616.	5.25	163.	41.	15.	12.35
+	DIVERSION TO	S67DW	148.	5.25	36.	9.	3.	12.35
+	HYDROGRAPH AT	S67DS	468.	5.25	127.	32.	12.	12.35
+	ROUTED TO	R67H	466.	5.33	127.	32.	12.	12.35
+	2 COMBINED AT							

+		CNA67	1104.	5.33	342.	88.	32.	12.37
+	DIVERSION TO	D67NA	1104.	5.33	342.	88.	32.	12.37
+	HYDROGRAPH AT	DNA67	0.	0.08	0.	0.	0.	12.37
+	HYDROGRAPH AT	D75OA	972.	5.67	245.	61.	22.	11.46
+	HYDROGRAPH AT	SOA5S	420.	5.17	156.	39.	14.	11.46
+	HYDROGRAPH AT	36-31E	770.	4.25	116.	29.	11.	0.50
+	HYDROGRAPH AT	S67DW	148.	5.25	36.	9.	3.	12.35
+	ROUTED TO	R3631W	143.	5.67	36.	9.	3.	12.35
+	HYDROGRAPH AT	D26AS	1100.	5.50	502.	127.	46.	15.22
+	5 COMBINED AT	C3631E	2534.	5.67	974.	249.	90.	20.60
+	ROUTED TO	RES36	2409.	5.75	919.	232.	84.	20.60
+	ROUTED TO	R3631	2404.	5.83	918.	232.	84.	20.60
+	HYDROGRAPH AT	36-31W	1040.	4.17	129.	32.	12.	0.51
+	2 COMBINED AT	C3631W	2421.	5.83	992.	258.	93.	21.14
+	DIVERSION TO	D3631W	1912.	5.83	784.	204.	74.	21.14
+	HYDROGRAPH AT	D3631S	508.	5.83	208.	54.	20.	21.14
+	2 COMBINED AT	CNA5	508.	5.83	208.	54.	20.	21.14
+	DIVERSION TO	SNA6S	190.	5.83	71.	18.	6.	21.14
+	HYDROGRAPH AT	SNA6W	318.	5.83	137.	36.	13.	21.14
+	ROUTED TO	RNA9	314.	5.92	137.	36.	13.	21.14
+	HYDROGRAPH AT	D3631W	1912.	5.83	784.	204.	74.	21.14
+	DIVERSION TO	S75EW	467.	5.83	190.	48.	17.	21.14
	HYDROGRAPH AT							

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+		S75ES	1445.	5.83	595.	156.	56.	21.14
+	ROUTED TO	R75H	1444.	5.92	594.	156.	56.	21.14
+	2 COMBINED AT	CNA75	1758.	5.92	730.	192.	69.	21.14
+	DIVERSION TO	D75NA	545.	5.92	226.	59.	22.	21.14
+	HYDROGRAPH AT	DNA75	1213.	5.92	504.	132.	48.	21.14
+	ROUTED TO	RNA10	1208.	6.00	504.	132.	48.	21.14
+	HYDROGRAPH AT	SOA6S	0.	4.17	0.	0.	0.	15.76
+	ROUTED TO	R3531S	0.	5.00	0.	0.	0.	15.76
+	HYDROGRAPH AT	35-31	959.	4.50	204.	51.	19.	1.00
+	HYDROGRAPH AT	S75EW	467.	5.83	190.	48.	17.	21.14
+	ROUTED TO	R3531W	463.	6.00	188.	48.	17.	21.14
+	3 COMBINED AT	C35-31	1025.	5.17	441.	113.	41.	22.69
+	DIVERSION TO	D3531W	351.	4.58	168.	44.	16.	22.69
+	HYDROGRAPH AT	D3531S	365.	4.58	175.	45.	16.	22.69
+	2 COMBINED AT	CNA6	1495.	6.00	671.	177.	64.	22.69
+	DIVERSION TO	SNA7S	346.	6.00	153.	39.	14.	22.69
+	HYDROGRAPH AT	SNA7W	1149.	6.00	518.	138.	50.	22.69
+	ROUTED TO	RNA11	1144.	6.08	517.	138.	50.	22.69
+	HYDROGRAPH AT	D83OA	1.	6.00	0.	0.	0.	15.76
+	ROUTED TO	R83F	0.	6.25	0.	0.	0.	15.76
+	HYDROGRAPH AT	D3531W	351.	4.58	168.	44.	16.	22.69
+	2 COMBINED AT	C83C	351.	4.58	168.	44.	16.	22.69
	DIVERSION TO							

+		S83DW	133.	4.58	55.	14.	5.	22.69
+	HYDROGRAPH AT	S83DS	218.	4.58	113.	30.	11.	22.69
+	ROUTED TO	R83G	215.	4.75	113.	30.	11.	22.69
+	2 COMBINED AT	CNA83	1327.	6.08	630.	168.	61.	22.69
+	DIVERSION TO	D83NA	0.	6.00	0.	0.	0.	22.69
+	HYDROGRAPH AT	DNA83	1327.	6.08	630.	168.	61.	22.69
+	ROUTED TO	RNA12	1320.	6.17	629.	168.	61.	22.69
+	DIVERSION TO	RES34O	202.	4.42	138.	35.	13.	22.69
+	HYDROGRAPH AT	RES34	1118.	6.17	505.	133.	48.	22.69
+	HYDROGRAPH AT	SOA7S	130.	4.67	14.	3.	1.	18.05
+	ROUTED TO	R3431S	98.	5.17	14.	3.	1.	18.05
+	HYDROGRAPH AT	34-31	797.	4.58	201.	51.	18.	1.00
+	DIVERSION TO	D3431R	48.	4.58	12.	3.	1.	1.00
+	HYDROGRAPH AT	RET34	749.	4.58	189.	48.	17.	1.00
+	HYDROGRAPH AT	S83DW	133.	4.58	55.	14.	5.	22.69
+	ROUTED TO	R3431W	124.	5.33	55.	14.	5.	22.69
+	3 COMBINED AT	C34-31	749.	5.08	244.	62.	22.	25.97
+	DIVERSION TO	D3431W	265.	5.08	113.	30.	11.	25.97
+	HYDROGRAPH AT	D3431S	348.	5.08	95.	24.	9.	25.97
+	2 COMBINED AT	CNA7	1219.	6.08	582.	154.	55.	25.97
+	DIVERSION TO	SNA8S	520.	6.08	238.	60.	22.	25.97
+	HYDROGRAPH AT	SNA8W	699.	6.08	344.	93.	34.	25.97
	ROUTED TO							

+		RNA13	693.	6.25	343.	93.	34.	25.97
+	HYDROGRAPH AT	D910A	293.	4.92	53.	13.	5.	18.05
+	ROUTED TO	R91C	287.	5.08	53.	13.	5.	18.05
+	HYDROGRAPH AT	D3431W	265.	5.08	113.	30.	11.	25.97
+	2 COMBINED AT	C91B	524.	5.08	159.	41.	15.	25.97
+	DIVERSION TO	S91BW	172.	5.08	80.	22.	8.	25.97
+	HYDROGRAPH AT	S91BS	352.	5.08	79.	20.	7.	25.97
+	ROUTED TO	R91D	344.	5.25	79.	20.	7.	25.97
+	2 COMBINED AT	CNA91	900.	5.58	420.	113.	41.	25.97
+	DIVERSION TO	D91NA	520.	5.58	232.	60.	22.	25.97
+	HYDROGRAPH AT	DNA91	380.	5.58	188.	53.	19.	25.97
+	ROUTED TO	RNA14	378.	5.75	187.	53.	19.	25.97
+	HYDROGRAPH AT	S91BW	172.	5.08	80.	22.	8.	25.97
+	ROUTED TO	R3331W	171.	5.25	80.	22.	8.	25.97
+	HYDROGRAPH AT	33-31	207.	4.50	47.	12.	4.	0.26
+	4 COMBINED AT	C33-31	1569.	5.17	731.	199.	72.	26.37
+	ROUTED TO	R421S	1566.	5.17	731.	199.	72.	26.37
+	2 COMBINED AT	NULL3	5766.	5.08	2198.	575.	208.	1.00
+	HYDROGRAPH AT	1-22	304.	4.33	57.	14.	5.	0.24
+	DIVERSION TO	D122W	246.	4.33	46.	12.	4.	0.24
+	HYDROGRAPH AT	D122S	58.	4.33	11.	3.	1.	0.24
+	HYDROGRAPH AT	D27NA	190.	4.25	31.	8.	3.	0.11
	ROUTED TO							

+	R27A	178.	4.33	31.	8.	3.	0.11
HYDROGRAPH AT +	D122W	246.	4.33	46.	12.	4.	0.24
2 COMBINED AT +	C27A	424.	4.33	77.	19.	7.	0.36
DIVERSION TO +	S27AW	153.	4.33	15.	4.	1.	0.36
HYDROGRAPH AT +	S27AS	271.	4.33	62.	16.	6.	0.36
ROUTED TO +	R27B	264.	4.50	62.	16.	6.	0.36
2 COMBINED AT +	CGA27	318.	4.50	72.	18.	7.	0.36
DIVERSION TO +	D27GA	318.	4.50	72.	18.	7.	0.36
HYDROGRAPH AT +	DGA27	0.	0.08	0.	0.	0.	0.36
HYDROGRAPH AT +	2-22	758.	4.67	203.	51.	19.	1.00
DIVERSION TO +	D222W	68.	4.67	18.	5.	2.	1.00
HYDROGRAPH AT +	D222S	690.	4.67	184.	47.	17.	1.00
HYDROGRAPH AT +	SNA1S	876.	4.42	174.	44.	16.	1.09
ROUTED TO +	R222S	849.	4.58	173.	44.	16.	1.09
HYDROGRAPH AT +	S27AW	153.	4.33	15.	4.	1.	0.36
ROUTED TO +	R222W	129.	4.67	15.	4.	1.	0.36
3 COMBINED AT +	C2-22	1452.	4.67	357.	91.	33.	2.45
HYDROGRAPH AT +	D35NA	156.	4.58	51.	13.	5.	1.07
ROUTED TO +	R35C	154.	4.75	50.	13.	5.	1.07
HYDROGRAPH AT +	D222W	68.	4.67	18.	5.	2.	1.00
2 COMBINED AT +	C35B	210.	4.75	68.	17.	6.	2.08
DIVERSION TO +	S35BW	75.	4.75	14.	3.	1.	2.08
HYDROGRAPH AT							

+		S35BS	134.	4.75	55.	14.	5.	2.08
	ROUTED TO							
+		R35D	134.	4.92	55.	14.	5.	2.08
	DIVERSION TO							
+		S35CS	90.	4.92	37.	9.	3.	2.08
	HYDROGRAPH AT							
+		S35CE	44.	4.92	18.	5.	2.	2.08
	3 COMBINED AT							
+		CGA1	1486.	4.67	375.	95.	34.	2.54
	DIVERSION TO							
+		SGA1S	1486.	4.67	375.	95.	34.	2.54
	HYDROGRAPH AT							
+		SGA1W	0.	0.08	0.	0.	0.	2.54
	HYDROGRAPH AT							
+		S35CS	90.	4.92	37.	9.	3.	2.08
	2 COMBINED AT							
+		CGA35	89.	4.92	37.	9.	3.	2.10
	DIVERSION TO							
+		D35GA	85.	4.92	36.	9.	3.	2.10
	HYDROGRAPH AT							
+		DGA35	4.	4.92	1.	0.	0.	2.10
	ROUTED TO							
+		RGA1	4.	5.42	1.	0.	0.	2.10
	HYDROGRAPH AT							
+		SNA2S	442.	4.58	121.	31.	11.	2.68
	ROUTED TO							
+		R322S	432.	4.83	121.	31.	11.	2.68
	HYDROGRAPH AT							
+		3-22	1051.	4.50	232.	59.	21.	1.00
	HYDROGRAPH AT							
+		S35BW	75.	4.75	14.	3.	1.	2.08
	ROUTED TO							
+		R322W	57.	5.75	14.	3.	1.	2.08
	3 COMBINED AT							
+		C3-22	1208.	4.67	346.	88.	32.	4.68
	DIVERSION TO							
+		D322W	455.	4.67	104.	26.	9.	4.68
	HYDROGRAPH AT							
+		D322S	753.	4.67	241.	62.	22.	4.68
	2 COMBINED AT							
+		CGA2	753.	4.67	242.	62.	22.	4.68
	DIVERSION TO							
+		SGA2S	488.	4.67	166.	43.	15.	4.68
	HYDROGRAPH AT							

+		SGA2W	265.	4.67	76.	19.	7.	4.68
+	ROUTED TO	RGA2	264.	4.83	76.	19.	7.	4.68
+	HYDROGRAPH AT	D43NA	506.	4.75	149.	38.	14.	2.68
+	ROUTED TO	R43D	503.	4.83	149.	38.	14.	2.68
+	HYDROGRAPH AT	D322W	455.	4.67	104.	26.	9.	4.68
+	2 COMBINED AT	C43C	910.	4.75	249.	63.	23.	4.68
+	DIVERSION TO	S43CW	390.	4.75	85.	21.	8.	4.68
+	HYDROGRAPH AT	S43CS	520.	4.75	163.	42.	15.	4.68
+	ROUTED TO	R43E	518.	4.92	163.	42.	15.	4.68
+	2 COMBINED AT	CGA43	779.	4.83	239.	61.	22.	4.68
+	DIVERSION TO	D43GA	399.	4.83	147.	38.	14.	4.68
+	HYDROGRAPH AT	DGA43	380.	4.83	92.	23.	8.	4.68
+	ROUTED TO	RGA3	379.	5.00	92.	23.	8.	4.68
+	HYDROGRAPH AT	SNA3S	401.	5.00	109.	27.	10.	5.06
+	ROUTED TO	R422S	390.	5.25	109.	27.	10.	5.06
+	HYDROGRAPH AT	4-22	775.	4.58	208.	53.	19.	1.00
+	HYDROGRAPH AT	S43CW	390.	4.75	85.	21.	8.	4.68
+	ROUTED TO	R422W	380.	5.08	85.	21.	8.	4.68
+	3 COMBINED AT	C4-22	1181.	5.08	360.	92.	33.	8.07
+	DIVERSION TO	D422W	496.	5.08	151.	38.	14.	8.07
+	HYDROGRAPH AT	D422S	685.	5.08	209.	53.	19.	8.07
+	2 COMBINED AT	CGA3	1030.	5.08	295.	75.	27.	8.07
	DIVERSION TO							

+		SGA3S	686.	5.08	194.	49.	18.	8.07
+	HYDROGRAPH AT	SGA3W	344.	5.08	101.	26.	9.	8.07
+	ROUTED TO	RGA4	342.	5.25	101.	26.	9.	8.07
+	HYDROGRAPH AT	D51NA	311.	5.17	94.	24.	9.	5.10
+	ROUTED TO	R51F	306.	5.33	94.	24.	9.	5.10
+	HYDROGRAPH AT	D422W	496.	5.08	151.	38.	14.	8.07
+	2 COMBINED AT	C51C	758.	5.17	241.	62.	22.	8.07
+	DIVERSION TO	S51DW	448.	5.17	130.	33.	12.	8.07
+	HYDROGRAPH AT	S51DS	309.	5.17	110.	29.	11.	8.07
+	ROUTED TO	R51G	307.	5.33	110.	29.	11.	8.07
+	2 COMBINED AT	CGA51	646.	5.25	211.	55.	20.	8.07
+	DIVERSION TO	D51GA	355.	5.25	116.	30.	11.	8.07
+	HYDROGRAPH AT	DGA51	291.	5.25	95.	25.	9.	8.07
+	ROUTED TO	RGA5	289.	5.42	95.	25.	9.	8.07
+	HYDROGRAPH AT	SNA4S	336.	5.25	101.	26.	9.	8.03
+	ROUTED TO	R522S	325.	5.58	100.	26.	9.	8.03
+	HYDROGRAPH AT	5-22	1008.	4.42	204.	52.	19.	1.01
+	HYDROGRAPH AT	S51DW	448.	5.17	130.	33.	12.	8.07
+	ROUTED TO	R522W	440.	5.42	130.	33.	12.	8.07
+	3 COMBINED AT	C5-22	1006.	5.33	397.	103.	37.	12.10
+	DIVERSION TO	D522W	446.	5.33	181.	47.	17.	12.10
+	HYDROGRAPH AT	D522S	483.	5.33	196.	51.	18.	12.10
	2 COMBINED AT							

+		CGA4	751.	5.42	287.	75.	27.	12.10
+	DIVERSION TO	SGA4S	523.	5.42	190.	49.	18.	12.10
+	HYDROGRAPH AT	SGA4W	227.	5.42	96.	26.	9.	12.10
+	ROUTED TO	RGA6	225.	5.58	96.	26.	9.	12.10
+	HYDROGRAPH AT	D59NA	430.	5.33	128.	33.	12.	8.32
+	ROUTED TO	R59G	426.	5.42	128.	33.	12.	8.32
+	HYDROGRAPH AT	D522W	446.	5.33	181.	47.	17.	12.10
+	2 COMBINED AT	C59D	838.	5.42	302.	78.	28.	12.34
+	DIVERSION TO	S59DW	596.	5.42	204.	51.	18.	12.34
+	HYDROGRAPH AT	S59DS	242.	5.42	98.	27.	10.	12.34
+	ROUTED TO	R59H	240.	5.58	98.	27.	10.	12.34
+	2 COMBINED AT	CGA59	464.	5.58	194.	53.	19.	12.34
+	DIVERSION TO	D59GA	464.	5.58	194.	53.	19.	12.34
+	HYDROGRAPH AT	DGA59	0.	0.08	0.	0.	0.	12.34
+	HYDROGRAPH AT	D67NA	1104.	5.33	342.	88.	32.	12.37
+	HYDROGRAPH AT	SNA5S	578.	5.33	177.	44.	16.	12.10
+	ROUTED TO	R622ES	571.	5.58	177.	44.	16.	12.10
+	HYDROGRAPH AT	6-22E	656.	4.33	120.	30.	11.	0.50
+	HYDROGRAPH AT	S59DW	596.	5.42	204.	51.	18.	12.34
+	ROUTED TO	R622EW	590.	5.67	204.	51.	18.	12.34
+	HYDROGRAPH AT	D59GA	464.	5.58	194.	53.	19.	12.34
+	5 COMBINED AT	C6-22E	2633.	5.50	970.	252.	91.	16.90
	HYDROGRAPH AT							

K&T4PRINT

+	8-22E	900.	4.25	133.	34.	12.	0.52
+ HYDROGRAPH AT	SGA4S	523.	5.42	190.	49.	18.	12.10
+ ROUTED TO	R822ES	519.	5.50	190.	49.	18.	12.10
+ 2 COMBINED AT	C8-22E	902.	4.42	369.	95.	34.	12.60
+ DIVERSION TO	D822ES	326.	4.50	146.	39.	14.	12.60
+ HYDROGRAPH AT	D822EW	326.	4.50	146.	39.	14.	12.60
+ ROUTED TO	RGR3	319.	4.67	146.	39.	14.	12.60
+ 2 COMBINED AT	C622EA	2888.	5.50	1105.	288.	104.	17.40
+ ROUTED TO	RES6	2141.	6.08	673.	249.	104.	17.40
+ ROUTED TO	R622WW	2135.	6.17	673.	249.	104.	17.40
+ HYDROGRAPH AT	6-22W	902.	4.17	117.	29.	11.	0.47
+ 2 COMBINED AT	C6-22W	2127.	6.17	736.	265.	112.	17.90
+ DIVERSION TO	D622WW	916.	6.17	408.	183.	82.	17.90
+ HYDROGRAPH AT	D622WS	1211.	6.17	328.	82.	30.	17.90
+ 2 COMBINED AT	CGA5	1211.	6.17	328.	82.	30.	17.90
+ DIVERSION TO	SGA5S	724.	6.17	187.	47.	17.	17.90
+ HYDROGRAPH AT	SGA5W	486.	6.17	140.	35.	13.	17.90
+ ROUTED TO	RGA7	481.	6.25	140.	35.	13.	17.90
+ HYDROGRAPH AT	D622WW	916.	6.17	408.	183.	82.	17.90
+ DIVERSION TO	S67EW	430.	6.17	273.	149.	70.	17.90
+ HYDROGRAPH AT	S67ES	486.	6.17	135.	34.	12.	17.90
+ ROUTED TO	R67I	482.	6.25	135.	34.	12.	17.90
2 COMBINED AT							

+		CGA67	963.	6.25	275.	69.	25.	17.90
+	DIVERSION TO	D67GA	289.	6.25	82.	21.	7.	17.90
+	HYDROGRAPH AT	DGA67	674.	6.25	192.	48.	17.	17.90
+	ROUTED TO	RGA8	671.	6.33	192.	48.	17.	17.90
+	HYDROGRAPH AT	SNA6S	190.	5.83	71.	18.	6.	21.14
+	ROUTED TO	R121S	186.	6.08	71.	18.	6.	21.14
+	HYDROGRAPH AT	1-21	851.	4.58	216.	54.	20.	1.00
+	DIVERSION TO	D1-21	60.	4.58	7.	2.	1.	1.00
+	HYDROGRAPH AT	RET1	792.	4.58	208.	53.	19.	1.00
+	HYDROGRAPH AT	S67EW	430.	6.17	273.	149.	70.	17.90
+	DIVERSION TO	RES100	185.	3.83	91.	23.	8.	17.90
+	HYDROGRAPH AT	RES1	430.	6.17	224.	137.	62.	17.90
+	ROUTED TO	R121W	414.	6.58	222.	136.	62.	17.90
+	3 COMBINED AT	C1-21	855.	6.42	471.	199.	88.	27.66
+	DIVERSION TO	D121W	250.	6.67	189.	116.	57.	27.66
+	HYDROGRAPH AT	D121S	339.	6.67	216.	67.	25.	27.66
+	2 COMBINED AT	CGA6	820.	6.67	378.	107.	39.	27.66
+	DIVERSION TO	SGA6S	218.	6.67	97.	24.	9.	27.66
+	HYDROGRAPH AT	SGA6W	603.	6.67	281.	83.	30.	27.66
+	ROUTED TO	RGA9	600.	6.50	280.	83.	30.	27.66
+	HYDROGRAPH AT	D75NA	545.	5.92	226.	59.	22.	21.14
+	ROUTED TO	R75I	539.	6.08	226.	59.	22.	21.14
	HYDROGRAPH AT							

K/L4PRINT

+		D121W	250.	6.67	189.	116.	57.	27.66
+	2 COMBINED AT	C75D	720.	6.25	406.	173.	78.	27.66
+	DIVERSION TO	S75FW	406.	6.25	251.	134.	64.	27.66
+	HYDROGRAPH AT	S75FS	314.	6.25	155.	39.	14.	27.66
+	ROUTED TO	R75J	312.	6.33	154.	39.	14.	27.66
+	2 COMBINED AT	CGA75	910.	6.42	434.	122.	44.	27.66
+	DIVERSION TO	D75GA	555.	6.42	265.	74.	27.	27.66
+	HYDROGRAPH AT	DGA75	355.	6.42	169.	48.	17.	27.66
+	ROUTED TO	RGA10	353.	6.58	169.	48.	17.	27.66
+	HYDROGRAPH AT	SNA7S	346.	6.00	153.	39.	14.	22.69
+	ROUTED TO	R221S	341.	6.25	152.	39.	14.	22.69
+	HYDROGRAPH AT	2-21	946.	4.50	189.	47.	17.	1.00
+	HYDROGRAPH AT	S75FW	406.	6.25	251.	134.	64.	27.66
+	ROUTED TO	R221W	405.	6.42	251.	134.	64.	27.66
+	3 COMBINED AT	C2-21	946.	4.75	552.	211.	93.	30.20
+	DIVERSION TO	D221W	508.	4.75	336.	157.	73.	30.20
+	HYDROGRAPH AT	D221S	364.	4.75	184.	46.	17.	30.20
+	2 COMBINED AT	CGA7	630.	6.50	346.	93.	34.	30.20
+	DIVERSION TO	SGA7S	287.	6.50	152.	38.	14.	30.20
+	HYDROGRAPH AT	SGA7W	342.	6.50	193.	54.	20.	30.20
+	ROUTED TO	RGA11	341.	6.58	192.	54.	20.	30.20
+	HYDROGRAPH AT	D83NA	0.	6.00	0.	0.	0.	22.69
	HYDROGRAPH AT							

+		D221W	508.	4.75	336.	157.	73.	30.20
+	2 COMBINED AT	C83D	508.	4.75	336.	157.	73.	30.20
+	DIVERSION TO	S83EW	79.	4.75	32.	8.	3.	30.20
+	HYDROGRAPH AT	S83ES	429.	4.75	304.	149.	70.	30.20
+	ROUTED TO	R83I	426.	4.83	303.	149.	70.	30.20
+	2 COMBINED AT	CGA83	727.	6.50	495.	203.	90.	30.20
+	DIVERSION TO	D83GA	109.	6.50	41.	10.	4.	30.20
+	HYDROGRAPH AT	DGA83	618.	6.50	454.	193.	86.	30.20
+	ROUTED TO	RGA12	617.	6.58	454.	193.	86.	30.20
+	HYDROGRAPH AT	SNA8S	520.	6.08	238.	60.	22.	25.97
+	ROUTED TO	R321S	514.	6.25	236.	60.	22.	25.97
+	HYDROGRAPH AT	3-21	585.	4.67	153.	38.	14.	0.98
+	HYDROGRAPH AT	S83EW	79.	4.75	32.	8.	3.	30.20
+	ROUTED TO	R321W	73.	5.08	32.	8.	3.	30.20
+	3 COMBINED AT	C3-21	671.	5.08	339.	88.	32.	34.46
+	DIVERSION TO	D321W	208.	5.08	105.	27.	10.	34.46
+	HYDROGRAPH AT	D321S	463.	5.08	234.	60.	22.	34.46
+	2 COMBINED AT	CGA8	1045.	5.08	681.	251.	108.	34.46
+	DIVERSION TO	SGA8S	120.	5.08	52.	13.	5.	34.46
+	HYDROGRAPH AT	SGA8W	925.	5.08	629.	239.	103.	34.46
+	ROUTED TO	RGA13	922.	5.17	629.	238.	103.	34.46
+	HYDROGRAPH AT	D91NA	520.	5.58	232.	60.	22.	25.97
	ROUTED TO							

IGL4PRINT

+		R91E	520.	5.67	232.	60.	22.	25.97
+	HYDROGRAPH AT	D321W	208.	5.08	105.	27.	10.	34.46
+	2 COMBINED AT	C91C	665.	5.75	319.	83.	30.	34.46
+	DIVERSION TO	S91CW	135.	5.75	62.	16.	6.	34.46
+	HYDROGRAPH AT	S91CS	530.	5.75	257.	68.	24.	34.46
+	ROUTED TO	R91F	530.	5.75	257.	68.	24.	34.46
+	2 COMBINED AT	CGA91	1431.	5.83	885.	306.	127.	34.46
+	DIVERSION TO	D91GA	351.	5.83	160.	40.	14.	34.46
+	HYDROGRAPH AT	DGA91	1080.	5.83	724.	266.	113.	34.46
+	ROUTED TO	RGA14	1079.	5.83	723.	266.	113.	34.46
+	HYDROGRAPH AT	4-21	505.	4.67	133.	33.	12.	0.88
+	DIVERSION TO	D4-21	66.	4.67	12.	3.	1.	0.88
+	HYDROGRAPH AT	RET4	440.	4.67	121.	30.	11.	0.88
+	HYDROGRAPH AT	S91CW	135.	5.75	62.	16.	6.	34.46
+	ROUTED TO	R421W	134.	5.83	61.	16.	6.	34.46
+	2 COMBINED AT	C4-21	450.	5.25	176.	45.	16.	35.34
+	DIVERSION TO	D421W	119.	5.42	52.	13.	5.	35.34
+	HYDROGRAPH AT	D421S	164.	5.42	72.	19.	7.	35.34
+	2 COMBINED AT	CGA9	1215.	5.42	789.	283.	119.	35.34
+	DIVERSION TO	SGA9S	173.	5.42	75.	19.	7.	35.34
+	HYDROGRAPH AT	SGA9W	1042.	5.42	714.	264.	113.	35.34
+	ROUTED TO	RGA15	1042.	5.83	713.	264.	113.	35.34
	HYDROGRAPH AT							

+		D421W	119.	5.42	52.	13.	5.	35.34
+	ROUTED TO	R99A	116.	5.50	52.	13.	5.	35.34
+	2 COMBINED AT	CGA99	1157.	5.58	764.	277.	117.	35.34
+	DIVERSION TO	D99GA	670.	5.58	294.	73.	26.	35.34
+	HYDROGRAPH AT	DGA99	487.	5.25	470.	204.	91.	35.34
+	HYDROGRAPH AT	5-21	500.	4.25	64.	16.	6.	0.35
+	2 COMBINED AT	C5-21	615.	4.75	485.	211.	94.	35.68
+	2 COMBINED AT	NULL4	6320.	5.08	2698.	787.	305.	1.00
+	HYDROGRAPH AT	11-22	786.	4.58	211.	54.	19.	1.01
+	DIVERSION TO	D1122W	165.	4.58	44.	11.	4.	1.01
+	HYDROGRAPH AT	D1122S	621.	4.58	166.	42.	15.	1.01
+	HYDROGRAPH AT	SGA1S	1486.	4.67	375.	95.	34.	2.54
+	ROUTED TO	R1122S	1477.	4.83	374.	95.	34.	2.54
+	2 COMBINED AT	C11-22	1923.	4.83	519.	133.	48.	3.50
+	DIVERSION TO	SD31AS	147.	3.83	118.	32.	12.	3.50
+	HYDROGRAPH AT	SD31A	1776.	4.83	401.	100.	36.	3.50
+	DIVERSION TO	SBH1W	888.	4.83	201.	50.	18.	3.50
+	HYDROGRAPH AT	SBH1E	888.	4.83	201.	50.	18.	3.50
+	ROUTED TO	RBH1	883.	4.92	201.	50.	18.	3.50
+	HYDROGRAPH AT	D27GA	318.	4.50	72.	18.	7.	0.36
+	ROUTED TO	R27C	306.	4.75	72.	18.	7.	0.36
+	HYDROGRAPH AT	12-22	328.	4.33	58.	15.	5.	0.25
	3 COMBINED AT							

K&T 4PRINT

+		CBH27	951.	4.92	264.	67.	24.	21.30
+	DIVERSION TO	D27BH	951.	4.92	264.	67.	24.	21.30
+	HYDROGRAPH AT	DBH27	0.	0.08	0.	0.	0.	21.30
+	HYDROGRAPH AT	D35GA	85.	4.92	36.	9.	3.	2.10
+	ROUTED TO	R35E	84.	5.08	36.	9.	3.	2.10
+	HYDROGRAPH AT	D1122W	165.	4.58	44.	11.	4.	1.01
+	2 COMBINED AT	C35C	216.	4.83	77.	20.	7.	3.10
+	ROUTED TO	R35F	213.	4.92	77.	20.	7.	3.10
+	HYDROGRAPH AT	SBH1W	888.	4.83	201.	50.	18.	3.50
+	ROUTED TO	RBH2	883.	4.92	201.	50.	18.	3.50
+	HYDROGRAPH AT	SGA2S	488.	4.67	166.	43.	15.	4.68
+	ROUTED TO	R1022S	485.	4.83	166.	43.	15.	4.68
+	HYDROGRAPH AT	10-22	734.	4.58	198.	50.	18.	0.99
+	2 COMBINED AT	C10-22	1049.	4.75	337.	87.	31.	5.70
+	DIVERSION TO	SD39AS	164.	3.83	121.	33.	12.	5.70
+	HYDROGRAPH AT	SD39A	885.	4.75	217.	54.	20.	5.70
+	DIVERSION TO	D1022W	522.	4.75	128.	32.	12.	5.70
+	HYDROGRAPH AT	D1022E	363.	4.75	89.	22.	8.	5.70
+	4 COMBINED AT	CBH35	1324.	4.92	344.	87.	31.	7.10
+	DIVERSION TO	D35BH	1324.	4.92	344.	87.	31.	7.10
+	HYDROGRAPH AT	DBH35	0.	0.08	0.	0.	0.	7.10
+	HYDROGRAPH AT	D43GA	399.	4.83	147.	38.	14.	4.68
	ROUTED TO							

+		R43F	397.	5.00	147.	38.	14.	4.68
+	HYDROGRAPH AT	D1022W	522.	4.75	128.	32.	12.	5.70
+	2 COMBINED AT	C43D	894.	4.92	273.	70.	25.	5.70
+	DIVERSION TO	S43DW	456.	4.92	110.	27.	10.	5.70
+	HYDROGRAPH AT	S43DS	438.	4.92	164.	42.	15.	5.70
+	ROUTED TO	R43G	437.	5.00	164.	42.	15.	5.70
+	2 COMBINED AT	CBH43	437.	5.00	164.	42.	15.	5.70
+	DIVERSION TO	D43BH	265.	5.00	119.	31.	11.	5.70
+	HYDROGRAPH AT	DBH43	172.	5.00	44.	11.	4.	5.70
+	ROUTED TO	RBH3	169.	5.17	44.	11.	4.	5.70
+	HYDROGRAPH AT	SGA3S	686.	5.08	194.	49.	18.	8.07
+	ROUTED TO	R922S	676.	5.25	194.	49.	18.	8.07
+	HYDROGRAPH AT	9-22	854.	4.58	223.	57.	20.	0.99
+	HYDROGRAPH AT	S43DW	456.	4.92	110.	27.	10.	5.70
+	ROUTED TO	R922W	444.	5.25	110.	27.	10.	5.70
+	3 COMBINED AT	C9-22	1530.	5.17	479.	123.	44.	10.10
+	DIVERSION TO	D922W	520.	5.17	163.	42.	15.	10.10
+	HYDROGRAPH AT	D922S	1010.	5.17	316.	81.	29.	10.10
+	2 COMBINED AT	CBH1	1163.	5.17	357.	91.	33.	10.10
+	DIVERSION TO	SBH2S	839.	5.17	256.	65.	24.	10.10
+	HYDROGRAPH AT	SBH2W	325.	5.17	101.	26.	9.	10.10
+	ROUTED TO	RBH4	322.	5.33	101.	26.	9.	10.10
+	HYDROGRAPH AT							

KC14PRINT

+		D51GA	355.	5.25	116.	30.	11.	8.07
+	ROUTED TO	R51H	352.	5.42	116.	30.	11.	8.07
+	HYDROGRAPH AT	D922W	520.	5.17	163.	42.	15.	10.10
+	2 COMBINED AT	C51D	845.	5.25	276.	71.	26.	10.10
+	DIVERSION TO	S51EW	523.	5.25	157.	39.	14.	10.10
+	HYDROGRAPH AT	S51ES	322.	5.25	119.	32.	12.	10.10
+	ROUTED TO	R51I	318.	5.42	118.	32.	12.	10.10
+	2 COMBINED AT	CBH51	637.	5.42	219.	58.	21.	10.10
+	DIVERSION TO	D51BH	637.	5.42	219.	58.	21.	10.10
+	HYDROGRAPH AT	DBH51	0.	0.08	0.	0.	0.	10.10
+	HYDROGRAPH AT	S51EW	523.	5.25	157.	39.	14.	10.10
+	ROUTED TO	R822EW	517.	5.42	157.	39.	14.	10.10
+	HYDROGRAPH AT	D822ES	326.	4.50	146.	39.	14.	12.60
+	2 COMBINED AT	C822E1	770.	5.42	292.	76.	27.	14.60
+	ROUTED TO	RES8	458.	6.33	197.	50.	18.	14.60
+	ROUTED TO	R822WW	456.	6.50	196.	50.	18.	14.60
+	HYDROGRAPH AT	8-22W	1236.	4.08	124.	31.	11.	0.49
+	DIVERSION TO	D822WW	260.	4.08	26.	7.	2.	0.49
+	HYDROGRAPH AT	D822WS	977.	4.08	98.	25.	9.	0.49
+	3 COMBINED AT	C8-22W	455.	6.42	245.	70.	26.	15.10
+	DIVERSION TO	SBH3S	185.	6.42	95.	25.	9.	15.10
+	HYDROGRAPH AT	SBH3W	270.	6.42	150.	46.	17.	15.10
	ROUTED TO							

K/L4PRINT

+		RBH5	269.	6.58	150.	46.	17.	15.10
+	HYDROGRAPH AT	D822WW	260.	4.08	26.	7.	2.	0.49
+	DIVERSION TO	S59EW	125.	4.08	9.	2.	1.	0.49
+	HYDROGRAPH AT	S59ES	135.	4.08	17.	4.	2.	0.49
+	ROUTED TO	R59I	111.	4.33	17.	4.	2.	0.49
+	2 COMBINED AT	CBH59	305.	4.25	163.	50.	18.	15.10
+	DIVERSION TO	D59BH	171.	4.25	91.	28.	10.	15.10
+	HYDROGRAPH AT	DBH59	134.	4.25	72.	22.	8.	15.10
+	ROUTED TO	RBH6	129.	4.42	72.	22.	8.	15.10
+	HYDROGRAPH AT	SGA5S	724.	6.17	187.	47.	17.	17.90
+	ROUTED TO	R722S	713.	6.42	187.	47.	17.	17.90
+	HYDROGRAPH AT	7-22	754.	4.58	207.	53.	19.	0.97
+	HYDROGRAPH AT	S59EW	125.	4.08	9.	2.	1.	0.49
+	ROUTED TO	R722W	60.	4.75	9.	2.	1.	0.49
+	3 COMBINED AT	C7-22	804.	6.33	340.	89.	32.	19.30
+	DIVERSION TO	D722W	290.	6.33	122.	32.	12.	19.30
+	HYDROGRAPH AT	D722S	515.	6.33	218.	57.	21.	19.30
+	2 COMBINED AT	CBH2	502.	6.42	262.	72.	26.	25.80
+	DIVERSION TO	SBH4S	334.	6.42	166.	42.	15.	25.80
+	HYDROGRAPH AT	SBH4W	168.	6.42	96.	31.	11.	25.80
+	ROUTED TO	RBH7	167.	6.58	96.	31.	11.	25.80
+	HYDROGRAPH AT	D67GA	289.	6.25	82.	21.	7.	17.90
	ROUTED TO							

K/L4PRINT

+		R67J	286.	6.33	82.	21.	7.	17.90
+	HYDROGRAPH AT	D722W	290.	6.33	122.	32.	12.	19.30
+	2 COMBINED AT	C67E	562.	6.33	202.	52.	19.	19.30
+	DIVERSION TO	S67FW	270.	6.33	92.	23.	8.	19.30
+	HYDROGRAPH AT	S67FS	292.	6.33	110.	29.	11.	19.30
+	ROUTED TO	R67K	290.	6.50	110.	29.	11.	19.30
+	2 COMBINED AT	CBH67	457.	6.58	207.	60.	22.	21.30
+	DIVERSION TO	D67BH	297.	6.58	135.	39.	14.	21.30
+	HYDROGRAPH AT	DBH67	160.	6.58	73.	21.	8.	21.30
+	ROUTED TO	RBH8	157.	6.75	72.	21.	8.	21.30
+	HYDROGRAPH AT	SGA6S	218.	6.67	97.	24.	9.	27.66
+	ROUTED TO	R1221S	215.	6.58	96.	24.	9.	27.66
+	HYDROGRAPH AT	12-21	985.	4.50	219.	55.	20.	1.00
+	DIVERSION TO	D1221R	59.	4.50	8.	2.	1.	1.00
+	HYDROGRAPH AT	RET12	926.	4.50	211.	53.	19.	1.00
+	HYDROGRAPH AT	S67FW	270.	6.33	92.	23.	8.	19.30
+	ROUTED TO	R1221W	253.	6.75	91.	23.	8.	19.30
+	3 COMBINED AT	C12-21	950.	6.67	469.	121.	44.	31.35
+	DIVERSION TO	D1221W	249.	4.92	121.	32.	11.	31.35
+	HYDROGRAPH AT	D1221S	407.	4.92	198.	52.	19.	31.35
+	2 COMBINED AT	CBH3	487.	5.00	263.	71.	26.	31.35
+	DIVERSION TO	SBH5S	178.	5.00	96.	24.	9.	31.35
	HYDROGRAPH AT							

+		SBH5W	309.	5.00	167.	47.	17.	31.35
+	ROUTED TO	RBH9	307.	5.08	166.	47.	17.	31.35
+	HYDROGRAPH AT	D75GA	555.	6.42	265.	74.	27.	27.66
+	ROUTED TO	R75K	553.	6.50	264.	74.	27.	27.66
+	HYDROGRAPH AT	D1221W	249.	4.92	121.	32.	11.	31.35
+	2 COMBINED AT	C75E	678.	6.58	370.	103.	38.	31.35
+	DIVERSION TO	S75GW	213.	6.58	114.	29.	11.	31.35
+	HYDROGRAPH AT	S75GS	465.	6.58	256.	74.	27.	31.35
+	ROUTED TO	R75L	466.	6.67	256.	74.	27.	31.35
+	2 COMBINED AT	CBH75	705.	6.75	421.	120.	44.	31.35
+	DIVERSION TO	D75BH	218.	6.75	130.	37.	14.	31.35
+	HYDROGRAPH AT	DBH75	486.	6.75	290.	83.	31.	31.35
+	ROUTED TO	RBH10	487.	6.83	290.	83.	31.	31.35
+	HYDROGRAPH AT	SGA7S	287.	6.50	152.	38.	14.	30.20
+	ROUTED TO	R1121S	286.	6.67	151.	38.	14.	30.20
+	HYDROGRAPH AT	11-21	846.	4.50	189.	48.	17.	0.99
+	DIVERSION TO	D1121R	203.	4.50	26.	7.	2.	0.99
+	HYDROGRAPH AT	RET11	643.	4.50	163.	41.	15.	0.99
+	HYDROGRAPH AT	S75GW	213.	6.58	114.	29.	11.	31.35
+	ROUTED TO	R1121W	213.	6.75	114.	29.	11.	31.35
+	3 COMBINED AT	C11-21	660.	5.25	355.	93.	34.	34.87
+	DIVERSION TO	D1121W	198.	5.25	107.	28.	10.	34.87
+	HYDROGRAPH AT							

KC14PRINT

+		D1121S	462.	5.25	249.	65.	23.	34.87
+	2 COMBINED AT	CBH4	891.	5.25	528.	146.	53.	34.87
+	DIVERSION TO	SBH6S	178.	5.25	106.	28.	10.	34.87
+	HYDROGRAPH AT	SBH6W	713.	5.25	423.	118.	43.	34.87
+	ROUTED TO	RBH11	708.	5.33	422.	118.	43.	34.87
+	HYDROGRAPH AT	D83GA	109.	6.50	41.	10.	4.	30.20
+	ROUTED TO	R83J	107.	6.67	41.	10.	4.	30.20
+	HYDROGRAPH AT	D1121W	198.	5.25	107.	28.	10.	34.87
+	2 COMBINED AT	C83E	274.	5.25	144.	37.	13.	34.87
+	DIVERSION TO	S83FW	86.	5.25	44.	11.	4.	34.87
+	HYDROGRAPH AT	S83FS	188.	5.25	100.	26.	9.	34.87
+	ROUTED TO	R83K	184.	5.42	99.	26.	9.	34.87
+	2 COMBINED AT	CBH83	891.	5.33	521.	144.	53.	34.87
+	DIVERSION TO	D83BH	327.	5.33	206.	58.	21.	34.87
+	HYDROGRAPH AT	DBH83	564.	5.33	316.	86.	31.	34.87
+	ROUTED TO	RBH12	558.	5.50	315.	86.	31.	34.87
+	HYDROGRAPH AT	SGA8S	120.	5.08	52.	13.	5.	34.46
+	ROUTED TO	R1021S	115.	5.42	52.	13.	5.	34.46
+	HYDROGRAPH AT	10-21	863.	4.50	182.	46.	16.	0.98
+	DIVERSION TO	D1021R	250.	4.50	30.	7.	3.	0.98
+	HYDROGRAPH AT	RET10	653.	4.92	153.	38.	14.	0.98
+	HYDROGRAPH AT	S83FW	86.	5.25	44.	11.	4.	34.87
	ROUTED TO							

+		R921W	196.	5.75	95.	24.	9.	43.32
+	3 COMBINED AT	C9-21	607.	5.50	278.	70.	25.	45.16
+	DIVERSION TO	D921W	209.	5.58	98.	25.	9.	45.16
+	HYDROGRAPH AT	D921S	327.	5.58	154.	39.	14.	45.16
+	HYDROGRAPH AT	D99GA	670.	5.58	294.	73.	26.	35.34
+	ROUTED TO	R99B	670.	5.67	294.	73.	26.	35.34
+	HYDROGRAPH AT	D921W	209.	5.58	98.	25.	9.	45.16
+	2 COMBINED AT	C99A	815.	5.58	368.	92.	33.	45.16
+	DIVERSION TO	S99AW	815.	5.58	368.	92.	33.	45.16
+	HYDROGRAPH AT	S99AS	0.	0.08	0.	0.	0.	45.16
+	ROUTED TO	R99C	0.	0.08	0.	0.	0.	45.16
+	3 COMBINED AT	CBH6	904.	5.92	443.	120.	43.	45.16
+	ROUTED TO	RES9	862.	6.17	422.	111.	40.	45.16
+	DIVERSION TO	SBH8S	0.	6.08	0.	0.	0.	45.16
+	HYDROGRAPH AT	SBH8W	862.	6.17	422.	111.	40.	45.16
+	DIVERSION TO	D99BH	0.	0.08	0.	0.	0.	45.16
+	HYDROGRAPH AT	DBH99	862.	6.17	422.	111.	40.	45.16
+	ROUTED TO	RBH14	857.	6.25	420.	111.	40.	45.16
+	HYDROGRAPH AT	8-21E	331.	4.58	78.	19.	7.	0.51
+	HYDROGRAPH AT	S99AW	815.	5.58	368.	92.	33.	45.16
+	ROUTED TO	R821EW	813.	5.75	367.	92.	33.	45.16
+	2 COMBINED AT	C8-21E	864.	5.67	398.	101.	36.	46.01
	DIVERSION TO							

+		R1021W	79.	5.75	44.	11.	4.	34.87
+	3 COMBINED AT	C10-21	658.	5.25	258.	66.	24.	43.32
+	DIVERSION TO	D1021W	174.	5.25	77.	20.	7.	43.32
+	HYDROGRAPH AT	D1021S	230.	5.25	102.	26.	9.	43.32
+	HYDROGRAPH AT	D91GA	351.	5.83	160.	40.	14.	34.46
+	ROUTED TO	R91G	351.	5.92	160.	40.	14.	34.46
+	HYDROGRAPH AT	D1021W	174.	5.25	77.	20.	7.	43.32
+	2 COMBINED AT	C91D	472.	5.33	225.	57.	20.	43.32
+	DIVERSION TO	S91DW	201.	5.33	96.	24.	9.	43.32
+	HYDROGRAPH AT	S91DS	271.	5.33	129.	33.	12.	43.32
+	ROUTED TO	R91H	268.	5.58	129.	33.	12.	43.32
+	3 COMBINED AT	CBH5	989.	5.50	516.	139.	51.	43.32
+	ROUTED TO	RES10	935.	5.75	456.	120.	43.	43.32
+	DIVERSION TO	SBH7S	293.	5.75	143.	38.	14.	43.32
+	HYDROGRAPH AT	SBH7W	642.	5.75	313.	82.	30.	43.32
+	DIVERSION TO	D91BH	0.	0.08	0.	0.	0.	43.32
+	HYDROGRAPH AT	DBH91	642.	5.75	313.	82.	30.	43.32
+	ROUTED TO	RBH13	630.	6.00	309.	82.	30.	43.32
+	HYDROGRAPH AT	SGA9S	173.	5.42	75.	19.	7.	35.34
+	ROUTED TO	R921S	174.	5.92	75.	19.	7.	35.34
+	HYDROGRAPH AT	9-21	618.	4.67	155.	39.	14.	0.97
+	HYDROGRAPH AT	S91DW	201.	5.33	96.	24.	9.	43.32
	ROUTED TO							

+		D821EW	484.	5.67	223.	56.	20.	46.01
+	HYDROGRAPH AT	D821ES	380.	5.67	175.	44.	16.	46.01
+	2 COMBINED AT	CBH7	1184.	6.25	579.	155.	56.	46.01
+	ROUTED TO	RES8S	1038.	6.83	505.	132.	48.	46.01
+	HYDROGRAPH AT	8-21W	263.	4.33	46.	12.	4.	0.27
+	2 COMBINED AT	C8-21W	1038.	6.83	506.	138.	50.	46.29
+	HYDROGRAPH AT	D821EW	484.	5.67	223.	56.	20.	46.01
+	ROUTED TO	RES8N	405.	6.50	156.	39.	14.	46.01
+	3 COMBINED AT	NULL5	8104.	5.67	4173.	1172.	444.	1.00
+	HYDROGRAPH AT	D27BH	951.	4.92	264.	67.	24.	21.30
+	ROUTED TO	R27D	945.	5.08	263.	67.	24.	21.30
+	HYDROGRAPH AT	13-22	271.	4.33	61.	15.	6.	0.25
+	HYDROGRAPH AT	14-22	736.	4.58	200.	51.	18.	1.00
+	HYDROGRAPH AT	SD31AS	147.	3.83	118.	32.	12.	3.50
+	2 COMBINED AT	CSD31B	883.	4.58	315.	83.	30.	1.00
+	DIVERSION TO	SD31BS	150.	3.67	127.	36.	13.	1.00
+	HYDROGRAPH AT	SD31B	733.	4.58	188.	47.	17.	1.00
+	DIVERSION TO	D1422W	352.	4.58	90.	23.	8.	1.00
+	HYDROGRAPH AT	D1422E	381.	4.58	98.	24.	9.	1.00
+	3 COMBINED AT	CCB27	1607.	4.92	449.	114.	41.	5.04
+	DIVERSION TO	D27CB	1607.	4.92	449.	114.	41.	5.04
+	HYDROGRAPH AT	DCB27	0.	0.08	0.	0.	0.	5.04
	HYDROGRAPH AT							

K/14PRINT

+		D35BH	1324.	4.92	344.	87.	31.	7.10
+	ROUTED TO	R35G	1313.	5.08	344.	87.	31.	7.10
+	HYDROGRAPH AT	D1422W	352.	4.58	90.	23.	8.	1.00
+	HYDROGRAPH AT	15-22	654.	4.67	195.	50.	18.	1.00
+	HYDROGRAPH AT	SD39AS	164.	3.83	121.	33.	12.	5.70
+	2 COMBINED AT	CSD39B	818.	4.67	312.	81.	29.	1.00
+	DIVERSION TO	SD39BS	268.	3.92	187.	50.	18.	1.00
+	HYDROGRAPH AT	SD39B	550.	4.67	125.	31.	11.	1.00
+	DIVERSION TO	D1522W	269.	4.67	61.	15.	6.	1.00
+	HYDROGRAPH AT	D1522E	280.	4.67	64.	16.	6.	1.00
+	4 COMBINED AT	CCB35	1677.	5.00	454.	114.	41.	9.14
+	DIVERSION TO	D35CB	1677.	5.00	454.	114.	41.	9.14
+	HYDROGRAPH AT	DCB35	0.	0.08	0.	0.	0.	9.14
+	HYDROGRAPH AT	D43BH	265.	5.00	119.	31.	11.	5.70
+	ROUTED TO	R43H	263.	5.08	119.	31.	11.	5.70
+	HYDROGRAPH AT	D1522W	269.	4.67	61.	15.	6.	1.00
+	2 COMBINED AT	C43E	442.	5.00	166.	43.	15.	6.67
+	DIVERSION TO	S43EW	129.	5.00	25.	6.	2.	6.67
+	HYDROGRAPH AT	S43ES	313.	5.00	141.	37.	13.	6.67
+	ROUTED TO	R43I	312.	5.08	141.	37.	13.	6.67
+	HYDROGRAPH AT	D51BH	637.	5.42	219.	58.	21.	10.10
+	ROUTED TO	RGR4	634.	5.50	219.	58.	21.	10.10
	HYDROGRAPH AT							

+		SBH2S	839.	5.17	256.	65.	24.	10.10
+	ROUTED TO	R1622S	836.	5.25	256.	65.	24.	10.10
+	HYDROGRAPH AT	16-22E	457.	4.50	113.	29.	10.	0.51
+	HYDROGRAPH AT	S43EW	129.	5.00	25.	6.	2.	6.67
+	ROUTED TO	R1622W	126.	5.25	25.	6.	2.	6.67
+	4 COMBINED AT	C1622E	1671.	5.42	575.	150.	54.	11.60
+	ROUTED TO	RGR5	1667.	5.50	575.	150.	54.	11.60
+	3 COMBINED AT	CCB43	1941.	5.42	713.	186.	67.	11.60
+	DIVERSION TO	D43CB	1941.	5.42	713.	186.	67.	11.60
+	HYDROGRAPH AT	DCB43	0.	0.08	0.	0.	0.	11.60
+	HYDROGRAPH AT	16-22W	1074.	4.08	118.	30.	11.	0.48
+	DIVERSION TO	D1622W	763.	4.08	84.	21.	8.	0.48
+	HYDROGRAPH AT	D1622S	312.	4.08	34.	9.	3.	0.48
+	2 COMBINED AT	CCB1	152.	4.08	29.	7.	3.	12.00
+	DIVERSION TO	SCB1S	80.	4.08	11.	3.	1.	12.00
+	HYDROGRAPH AT	SCB1W	72.	4.08	18.	5.	2.	12.00
+	ROUTED TO	RCB1	64.	4.58	18.	5.	2.	12.00
+	HYDROGRAPH AT	D1622W	763.	4.08	84.	21.	8.	0.48
+	DIVERSION TO	S51FW	358.	4.08	32.	8.	3.	0.48
+	HYDROGRAPH AT	S51FS	404.	4.08	52.	13.	5.	0.48
+	ROUTED TO	R51J	381.	4.25	52.	13.	5.	0.48
+	2 COMBINED AT	CCB51	241.	4.33	64.	16.	6.	12.00
	DIVERSION TO							

K/L4PRINT

+		D51CB	118.	4.33	31.	8.	3.	12.00
+	HYDROGRAPH AT	DCB51	123.	4.33	33.	8.	3.	12.00
+	ROUTED TO	RCB2	120.	4.50	33.	8.	3.	12.00
+	HYDROGRAPH AT	SBH3S	185.	6.42	95.	25.	9.	15.10
+	ROUTED TO	R1722S	184.	6.75	94.	25.	9.	15.10
+	HYDROGRAPH AT	17-22	1340.	4.25	227.	57.	21.	1.02
+	HYDROGRAPH AT	S51FW	358.	4.08	32.	8.	3.	0.48
+	ROUTED TO	R1722W	311.	4.42	32.	8.	3.	0.48
+	3 COMBINED AT	C17-22	1341.	4.42	337.	92.	33.	16.10
+	DIVERSION TO	D1722W	315.	4.42	81.	23.	8.	16.10
+	HYDROGRAPH AT	D1722S	772.	4.42	198.	55.	20.	16.10
+	2 COMBINED AT	CCB2	860.	4.42	223.	62.	22.	18.10
+	DIVERSION TO	SCB2S	554.	4.42	135.	35.	13.	18.10
+	HYDROGRAPH AT	SCB2W	306.	4.42	88.	27.	10.	18.10
+	ROUTED TO	RCB3	299.	4.58	88.	27.	10.	18.10
+	HYDROGRAPH AT	D59BH	171.	4.25	91.	28.	10.	15.10
+	ROUTED TO	R59J	165.	4.42	91.	28.	10.	15.10
+	HYDROGRAPH AT	D1722W	315.	4.42	81.	23.	8.	16.10
+	2 COMBINED AT	C59E	479.	4.42	170.	50.	18.	16.10
+	DIVERSION TO	S59FW	274.	4.42	86.	22.	8.	16.10
+	HYDROGRAPH AT	S59FS	205.	4.42	84.	28.	10.	16.10
+	ROUTED TO	R59K	198.	4.58	84.	28.	10.	16.10
	2 COMBINED AT							

+		CCB59	493.	4.58	170.	55.	20.	18.10
+	DIVERSION TO	D59CB	263.	4.58	95.	32.	12.	18.10
+	HYDROGRAPH AT	DCB59	230.	4.58	75.	23.	8.	18.10
+	ROUTED TO	RCB4	225.	4.75	75.	23.	8.	18.10
+	HYDROGRAPH AT	SBH4S	334.	6.42	166.	42.	15.	25.80
+	ROUTED TO	R1822S	336.	6.67	165.	42.	15.	25.80
+	HYDROGRAPH AT	18-22	876.	4.58	227.	58.	21.	0.97
+	HYDROGRAPH AT	S59FW	274.	4.42	86.	22.	8.	16.10
+	ROUTED TO	R1822W	259.	4.67	85.	22.	8.	16.10
+	3 COMBINED AT	C18-22	1096.	4.75	417.	110.	40.	23.80
+	DIVERSION TO	D1822W	482.	4.75	183.	48.	17.	23.80
+	HYDROGRAPH AT	D1822S	614.	4.75	233.	62.	22.	23.80
+	2 COMBINED AT	CCB3	815.	4.75	300.	83.	30.	25.30
+	DIVERSION TO	SCB3S	459.	4.75	168.	44.	16.	25.30
+	HYDROGRAPH AT	SCB3W	356.	4.75	132.	39.	14.	25.30
+	ROUTED TO	RCB5	351.	4.92	132.	39.	14.	25.30
+	HYDROGRAPH AT	D67BH	297.	6.58	135.	39.	14.	21.30
+	ROUTED TO	R67L	293.	6.75	135.	39.	14.	21.30
+	HYDROGRAPH AT	D1822W	482.	4.75	183.	48.	17.	23.80
+	2 COMBINED AT	C67F	573.	4.92	278.	78.	28.	37.08
+	DIVERSION TO	S67GW	340.	4.92	158.	40.	15.	37.08
+	HYDROGRAPH AT	S67GS	233.	4.92	120.	37.	13.	37.08
	ROUTED TO							

K/74PRINT

+		R67M	230.	5.00	120.	37.	13.	37.08
+	2 COMBINED AT	CCB67	596.	4.92	264.	79.	29.	25.30
+	DIVERSION TO	D67CB	274.	4.92	121.	36.	13.	25.30
+	HYDROGRAPH AT	DCB67	322.	4.92	142.	43.	15.	25.30
+	ROUTED TO	RCB6	319.	5.08	142.	43.	15.	25.30
+	HYDROGRAPH AT	SBH5S	178.	5.00	96.	24.	9.	31.35
+	ROUTED TO	R1321S	171.	5.50	95.	24.	9.	31.35
+	HYDROGRAPH AT	13-21	996.	4.50	220.	55.	20.	1.00
+	HYDROGRAPH AT	S67GW	340.	4.92	158.	40.	15.	37.08
+	ROUTED TO	R1321W	327.	5.25	157.	40.	15.	37.08
+	3 COMBINED AT	C13-21	994.	5.00	436.	117.	42.	37.08
+	DIVERSION TO	D1321W	317.	5.08	137.	37.	13.	37.08
+	HYDROGRAPH AT	D1321S	588.	5.08	255.	69.	25.	37.08
+	2 COMBINED AT	CCB4	884.	5.08	385.	108.	39.	37.08
+	DIVERSION TO	SCB4S	500.	5.08	217.	59.	21.	37.08
+	HYDROGRAPH AT	SCB4W	384.	5.08	167.	50.	18.	37.08
+	ROUTED TO	RCB7	380.	5.25	167.	50.	18.	37.08
+	HYDROGRAPH AT	D75BH	218.	6.75	130.	37.	14.	31.35
+	ROUTED TO	R75M	218.	6.92	130.	37.	14.	31.35
+	HYDROGRAPH AT	D1321W	317.	5.08	137.	37.	13.	37.08
+	2 COMBINED AT	C75F	478.	5.17	252.	71.	26.	40.90
+	DIVERSION TO	S75HW	478.	5.17	252.	71.	26.	40.90
	HYDROGRAPH AT							

+		S75HS	0.	0.08	0.	0.	0.	40.90
+	ROUTED TO	R75N	0.	0.08	0.	0.	0.	40.90
+	2 COMBINED AT	CCB75	380.	5.25	167.	50.	18.	37.08
+	DIVERSION TO	D75CB	247.	5.25	109.	32.	12.	37.08
+	HYDROGRAPH AT	DCB75	133.	5.25	58.	17.	6.	37.08
+	ROUTED TO	RCB8	130.	5.33	58.	17.	6.	37.08
+	HYDROGRAPH AT	SBH6S	178.	5.25	106.	28.	10.	34.87
+	ROUTED TO	R1421S	176.	5.42	106.	28.	10.	34.87
+	HYDROGRAPH AT	S75HW	478.	5.17	252.	71.	26.	40.90
+	ROUTED TO	R1421W	475.	5.33	252.	71.	26.	40.90
+	HYDROGRAPH AT	14-21E	492.	4.42	89.	22.	8.	0.43
+	DIVERSION TO	D1421R	116.	4.17	6.	2.	1.	0.43
+	HYDROGRAPH AT	RET14E	492.	4.42	83.	21.	7.	0.43
+	3 COMBINED AT	C1421E	773.	5.25	403.	111.	41.	41.03
+	DIVERSION TO	D1421X	166.	5.25	82.	21.	8.	41.03
+	HYDROGRAPH AT	D1421E	608.	5.25	320.	90.	33.	41.03
+	HYDROGRAPH AT	14-21W	896.	4.33	124.	31.	11.	0.56
+	DIVERSION TO	D1421P	159.	4.00	7.	2.	1.	0.56
+	HYDROGRAPH AT	RET14W	896.	4.33	117.	29.	11.	0.56
+	2 COMBINED AT	C1421W	820.	4.58	395.	110.	40.	41.59
+	DIVERSION TO	D1421W	410.	4.58	198.	55.	20.	41.59
+	HYDROGRAPH AT	D1421S	410.	4.58	198.	55.	20.	41.59
	2 COMBINED AT							

+		CCB5	494.	5.17	254.	72.	26.	41.59
+	DIVERSION TO	SCB5S	261.	5.17	128.	33.	12.	41.59
+	HYDROGRAPH AT	SCB5W	234.	5.17	126.	39.	14.	41.59
+	ROUTED TO	RCB9	232.	5.25	125.	39.	14.	41.59
+	HYDROGRAPH AT	D1421X	166.	5.25	82.	21.	8.	41.03
+	ROUTED TO	RES14E	87.	7.33	46.	12.	4.	41.03
+	HYDROGRAPH AT	D83BH	327.	5.33	206.	58.	21.	34.87
+	ROUTED TO	R83L	324.	5.50	205.	58.	21.	34.87
+	HYDROGRAPH AT	D1421W	410.	4.58	198.	55.	20.	41.59
+	3 COMBINED AT	C83F	657.	5.25	431.	123.	45.	41.59
+	DIVERSION TO	S83GW	222.	5.25	146.	40.	14.	41.59
+	HYDROGRAPH AT	S83GS	435.	5.25	285.	83.	31.	41.59
+	ROUTED TO	R83M	433.	5.42	285.	83.	31.	41.59
+	2 COMBINED AT	CCB83	664.	5.33	410.	122.	45.	41.59
+	DIVERSION TO	D83CB	239.	5.33	148.	44.	16.	41.59
+	HYDROGRAPH AT	DCB83	425.	5.33	262.	78.	29.	41.59
+	ROUTED TO	RCB10	423.	5.42	262.	78.	29.	41.59
+	HYDROGRAPH AT	SBH7S	293.	5.75	143.	38.	14.	43.32
+	ROUTED TO	R1521S	289.	6.00	141.	38.	14.	43.32
+	HYDROGRAPH AT	15-21	799.	4.67	202.	51.	18.	1.01
+	DIVERSION TO	D15	96.	4.67	12.	3.	1.	1.01
+	HYDROGRAPH AT	RET15	704.	4.67	191.	48.	17.	1.01
	HYDROGRAPH AT							

+		S83GW	222.	5.25	146.	40.	14.	41.59
+	ROUTED TO	R1521W	220.	5.50	145.	40.	14.	41.59
+	3 COMBINED AT	C15-21	662.	5.92	390.	107.	39.	48.80
+	DIVERSION TO	D1521W	231.	5.92	136.	37.	14.	48.80
+	HYDROGRAPH AT	D1521S	429.	5.92	253.	69.	25.	48.80
+	2 COMBINED AT	CCB6	804.	5.58	502.	144.	53.	48.80
+	DIVERSION TO	SCB6S	310.	5.58	191.	52.	19.	48.80
+	HYDROGRAPH AT	SCB6W	494.	5.58	311.	93.	34.	48.80
+	ROUTED TO	RCB11	493.	5.67	311.	93.	34.	48.80
+	HYDROGRAPH AT	D91BH	0.	0.08	0.	0.	0.	43.32
+	HYDROGRAPH AT	D1521W	231.	5.92	136.	37.	14.	48.80
+	2 COMBINED AT	C91E	231.	5.92	136.	37.	14.	48.80
+	DIVERSION TO	S91EW	86.	5.92	45.	11.	4.	48.80
+	HYDROGRAPH AT	S91ES	145.	5.92	91.	26.	9.	48.80
+	ROUTED TO	R91J	138.	6.17	91.	26.	9.	48.80
+	2 COMBINED AT	CCB91	623.	5.67	401.	119.	44.	48.80
+	DIVERSION TO	D91CB	355.	5.67	229.	68.	25.	48.80
+	HYDROGRAPH AT	DCB91	268.	5.67	173.	51.	19.	48.80
+	ROUTED TO	RCB12	268.	5.83	172.	51.	19.	48.80
+	HYDROGRAPH AT	SBH8S	0.	6.08	0.	0.	0.	45.16
+	ROUTED TO	R1621S	0.	7.25	0.	0.	0.	45.16
+	HYDROGRAPH AT	16-21	738.	4.67	194.	49.	18.	1.02
	HYDROGRAPH AT							

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+		S91EW	86.	5.92	45.	11.	4.	48.80
+	ROUTED TO	R1621W	81.	6.33	45.	11.	4.	48.80
+	3 COMBINED AT	C16-21	747.	5.25	306.	78.	28.	50.64
+	DIVERSION TO	D1621W	178.	4.92	69.	18.	6.	50.64
+	HYDROGRAPH AT	D1621S	266.	4.92	104.	27.	10.	50.64
+	2 COMBINED AT	CCB7	505.	5.25	269.	77.	28.	50.64
+	DIVERSION TO	SCB7S	125.	5.25	65.	17.	6.	50.64
+	HYDROGRAPH AT	SCB7W	380.	5.25	204.	60.	22.	50.64
+	ROUTED TO	RCB13	379.	5.33	204.	60.	22.	50.64
+	HYDROGRAPH AT	D99BH	0.	0.08	0.	0.	0.	45.16
+	HYDROGRAPH AT	D1621W	178.	4.92	69.	18.	6.	50.64
+	2 COMBINED AT	C99B	178.	4.92	69.	18.	6.	50.64
+	DIVERSION TO	S99BW	46.	4.92	15.	4.	1.	50.64
+	HYDROGRAPH AT	S99BS	131.	4.92	54.	14.	5.	50.64
+	ROUTED TO	R99E	130.	5.08	54.	14.	5.	50.64
+	2 COMBINED AT	CCB99	507.	5.25	257.	74.	27.	50.64
+	DIVERSION TO	D99CB	172.	5.25	88.	25.	9.	50.64
+	HYDROGRAPH AT	DCB99	334.	5.25	170.	49.	18.	50.64
+	ROUTED TO	RCB14	334.	5.42	169.	49.	18.	50.64
+	HYDROGRAPH AT	17-21E	384.	4.75	122.	31.	11.	0.70
+	HYDROGRAPH AT	S99BW	46.	4.92	15.	4.	1.	50.64
+	ROUTED TO	R1721W	45.	5.50	15.	4.	1.	50.64
	2 COMBINED AT							

+		C1721E	388.	5.08	141.	35.	13.	51.34
+	DIVERSION TO	D1721W	49.	5.17	18.	5.	2.	51.34
+	HYDROGRAPH AT	D1721S	185.	5.17	69.	17.	6.	51.34
+	2 COMBINED AT	CCB8	510.	5.33	234.	66.	24.	51.34
+	DIVERSION TO	SCB8S	182.	5.33	84.	22.	8.	51.34
+	HYDROGRAPH AT	SCB8W	328.	5.33	150.	44.	16.	51.34
+	ROUTED TO	RCB15	327.	5.50	150.	44.	16.	51.34
+	HYDROGRAPH AT	D1721W	49.	5.17	18.	5.	2.	51.34
+	2 COMBINED AT	CCB107	371.	5.42	167.	49.	18.	51.65
+	DIVERSION TO	D107CB	167.	5.42	75.	22.	8.	51.65
+	HYDROGRAPH AT	DCB107	204.	5.42	92.	27.	10.	51.65
+	HYDROGRAPH AT	17-21W	135.	4.75	46.	12.	4.	0.31
+	ROUTED TO	R1821W	129.	5.42	46.	12.	4.	0.31
+	HYDROGRAPH AT	18-21	257.	4.67	74.	19.	7.	0.54
+	3 COMBINED AT	C18-21	294.	5.50	137.	38.	14.	52.19
+	2 COMBINED AT	NULL6	8664.	5.67	4438.	1243.	470.	1.00
+	HYDROGRAPH AT	23-22	834.	4.67	229.	58.	21.	0.99
+	HYDROGRAPH AT	SD31BS	150.	3.67	127.	36.	13.	1.00
+	2 COMBINED AT	CSD31C	984.	4.67	356.	94.	34.	0.99
+	DIVERSION TO	SD31CS	251.	3.83	195.	53.	19.	0.99
+	HYDROGRAPH AT	SD31C	733.	4.67	161.	40.	15.	0.99
+	DIVERSION TO	D2322W	433.	4.67	95.	24.	9.	0.99
	HYDROGRAPH AT							

+		D2322E	301.	4.67	66.	17.	6.	0.99
+	HYDROGRAPH AT	D27CB	1607.	4.92	449.	114.	41.	5.04
+	ROUTED TO	R27E	1604.	5.08	449.	114.	41.	5.04
+	HYDROGRAPH AT	24-22	322.	4.25	63.	16.	6.	0.22
+	3 COMBINED AT	CIS27	1883.	5.00	553.	141.	51.	6.25
+	DIVERSION TO	D27IS	1883.	5.00	553.	141.	51.	6.25
+	HYDROGRAPH AT	DIS27	0.	0.08	0.	0.	0.	6.25
+	HYDROGRAPH AT	D35CB	1677.	5.00	454.	114.	41.	9.14
+	ROUTED TO	R35H	1672.	5.08	454.	114.	41.	9.14
+	HYDROGRAPH AT	D2322W	433.	4.67	95.	24.	9.	0.99
+	2 COMBINED AT	C35D	1931.	5.00	527.	132.	48.	10.13
+	ROUTED TO	R35I	1930.	5.08	526.	132.	48.	10.13
+	2 COMBINED AT	CIS35	1931.	5.08	527.	132.	48.	10.10
+	HYDROGRAPH AT	D43CB	1941.	5.42	713.	186.	67.	11.60
+	DIVERSION TO	SD43AS	165.	4.08	157.	47.	17.	11.60
+	HYDROGRAPH AT	SD43A	1776.	5.42	556.	139.	50.	11.60
+	ROUTED TO	RGR6	1774.	5.50	556.	139.	50.	11.60
+	HYDROGRAPH AT	22-22E	633.	4.33	119.	30.	11.	0.53
+	HYDROGRAPH AT	SD39BS	268.	3.92	187.	50.	18.	1.00
+	3 COMBINED AT	C2222E	2135.	5.50	831.	215.	78.	12.10
+	DIVERSION TO	SD39CS	268.	3.75	235.	66.	24.	12.10
+	HYDROGRAPH AT	SD39C	1867.	5.50	596.	149.	54.	12.10
	ROUTED TO							

+		RGR7	1863.	5.58	596.	149.	54.	12.10
+	2 COMBINED AT	C1S35A	3304.	5.42	1072.	269.	97.	15.60
+	DIVERSION TO	D35IS	1590.	5.42	573.	143.	52.	15.60
+	HYDROGRAPH AT	DIS35	1714.	5.42	499.	126.	45.	15.60
+	DIVERSION TO	SIS1AS	1714.	5.42	499.	126.	45.	15.60
+	HYDROGRAPH AT	SIS1AW	0.	0.08	0.	0.	0.	15.60
+	HYDROGRAPH AT	22-22W	1089.	4.08	117.	29.	11.	0.47
+	DIVERSION TO	D2222W	152.	4.08	16.	4.	1.	0.47
+	HYDROGRAPH AT	D2222S	937.	4.08	101.	25.	9.	0.47
+	HYDROGRAPH AT	SD39CS	268.	3.75	235.	66.	24.	12.10
+	3 COMBINED AT	C2222W	937.	4.08	324.	86.	31.	16.00
+	DIVERSION TO	SIS1S	537.	4.08	293.	83.	30.	16.00
+	HYDROGRAPH AT	SIS1W	155.	4.08	19.	5.	2.	16.00
+	ROUTED TO	RIS1	148.	4.25	19.	5.	2.	16.00
+	HYDROGRAPH AT	D2222W	152.	4.08	16.	4.	1.	0.47
+	HYDROGRAPH AT	SD43AS	165.	4.08	157.	47.	17.	11.60
+	2 COMBINED AT	CSD43A	234.	4.08	169.	51.	18.	16.00
+	DIVERSION TO	S43FW	25.	4.08	12.	3.	1.	16.00
+	HYDROGRAPH AT	S43FS	209.	4.08	157.	48.	17.	16.00
+	ROUTED TO	R43J	205.	4.33	157.	48.	17.	16.00
+	2 COMBINED AT	C1S43	352.	4.25	176.	53.	19.	16.00
+	DIVERSION TO	D43IS	255.	4.25	144.	45.	16.	16.00
	HYDROGRAPH AT							

+		DIS43	97.	4.25	32.	8.	3.	16.00
+	ROUTED TO	RIS2	90.	4.58	32.	8.	3.	16.00
+	HYDROGRAPH AT	SCB1S	80.	4.08	11.	3.	1.	12.00
+	ROUTED TO	R2122S	55.	4.75	11.	3.	1.	12.00
+	HYDROGRAPH AT	21-22	975.	4.42	196.	49.	18.	1.00
+	HYDROGRAPH AT	S43FW	25.	4.08	12.	3.	1.	16.00
+	ROUTED TO	R2122W	20.	4.75	12.	3.	1.	16.00
+	3 COMBINED AT	C21-22	975.	4.50	214.	55.	20.	13.50
+	DIVERSION TO	D2122W	194.	4.50	49.	13.	5.	13.50
+	HYDROGRAPH AT	D2122S	499.	4.50	126.	33.	12.	13.50
+	2 COMBINED AT	CIS1	561.	4.58	147.	40.	14.	17.50
+	DIVERSION TO	SIS2SA	281.	4.58	73.	20.	7.	17.50
+	HYDROGRAPH AT	SIS2WA	281.	4.58	73.	20.	7.	17.50
+	DIVERSION TO	SIS2S	173.	4.58	30.	7.	3.	17.50
+	HYDROGRAPH AT	SIS2W	108.	4.58	43.	12.	4.	17.50
+	ROUTED TO	RIS3	105.	4.83	43.	12.	4.	17.50
+	HYDROGRAPH AT	D51CB	118.	4.33	31.	8.	3.	12.00
+	ROUTED TO	R51K	112.	4.50	31.	8.	3.	12.00
+	HYDROGRAPH AT	D2122W	194.	4.50	49.	13.	5.	13.50
+	2 COMBINED AT	C51E	304.	4.50	80.	21.	7.	13.50
+	DIVERSION TO	S51GW	123.	4.50	21.	5.	2.	13.50
+	HYDROGRAPH AT	S51GS	181.	4.50	59.	15.	6.	13.50
	ROUTED TO							

+	R51L	178.	4.67	59.	15.	6.	13.50
+ 2 COMBINED AT	CIS51	276.	4.75	100.	28.	10.	17.50
+ DIVERSION TO	D51IS	261.	4.75	98.	27.	10.	17.50
+ HYDROGRAPH AT	DIS51	15.	4.75	1.	0.	0.	17.50
+ ROUTED TO	RIS4	10.	5.25	1.	0.	0.	17.50
+ HYDROGRAPH AT	SCB2S	554.	4.42	135.	35.	13.	18.10
+ ROUTED TO	R2022S	534.	4.67	135.	35.	13.	18.10
+ HYDROGRAPH AT	20-22	748.	4.67	214.	55.	20.	1.01
+ HYDROGRAPH AT	S51GW	123.	4.50	21.	5.	2.	13.50
+ ROUTED TO	R2022W	111.	5.08	21.	5.	2.	13.50
+ 3 COMBINED AT	C20-22	1033.	4.83	313.	83.	30.	20.50
+ DIVERSION TO	D2022W	403.	4.83	122.	32.	12.	20.50
+ HYDROGRAPH AT	D2022S	630.	4.83	191.	50.	18.	20.50
+ 2 COMBINED AT	CIS2	609.	4.83	186.	49.	18.	24.50
+ DIVERSION TO	SIS3S	409.	4.83	103.	27.	10.	24.50
+ HYDROGRAPH AT	SIS3W	200.	4.83	83.	23.	8.	24.50
+ ROUTED TO	RIS5	199.	5.00	83.	23.	8.	24.50
+ HYDROGRAPH AT	D59CB	263.	4.58	95.	32.	12.	18.10
+ ROUTED TO	R59L	257.	4.75	95.	32.	12.	18.10
+ HYDROGRAPH AT	D2022W	403.	4.83	122.	32.	12.	20.50
+ 2 COMBINED AT	C59F	653.	4.75	214.	64.	23.	20.50
+ DIVERSION TO	S59GW	361.	4.75	85.	21.	8.	20.50
HYDROGRAPH AT							

+		S59GS	292.	4.75	129.	43.	16.	20.50
	ROUTED TO							
+		R59M	289.	4.92	129.	43.	16.	20.50
	2 COMBINED AT							
+		CIS59	479.	4.92	209.	65.	23.	24.50
	DIVERSION TO							
+		D59IS	432.	4.92	204.	64.	23.	24.50
	HYDROGRAPH AT							
+		DIS59	47.	4.92	5.	1.	0.	24.50
	ROUTED TO							
+		RIS6	44.	5.00	5.	1.	0.	24.50
	HYDROGRAPH AT							
+		SCB3S	459.	4.75	168.	44.	16.	25.30
	ROUTED TO							
+		R1922S	439.	5.17	167.	44.	16.	25.30
	HYDROGRAPH AT							
+		19-22	897.	4.50	208.	53.	19.	0.94
	ROUTED TO							
+		PAGC	892.	4.58	208.	53.	19.	0.94
	HYDROGRAPH AT							
+		S59GW	361.	4.75	85.	21.	8.	20.50
	ROUTED TO							
+		R1922W	347.	5.08	85.	21.	8.	20.50
	3 COMBINED AT							
+		C19-22	1216.	5.08	390.	103.	37.	28.70
	DIVERSION TO							
+		D1922W	535.	5.08	171.	45.	16.	28.70
	HYDROGRAPH AT							
+		D1922S	681.	5.08	218.	58.	21.	28.70
	2 COMBINED AT							
+		CIS3	697.	5.08	216.	57.	21.	32.70
	DIVERSION TO							
+		SIS4S	671.	5.08	190.	48.	17.	32.70
	HYDROGRAPH AT							
+		SIS4W	26.	4.83	26.	10.	3.	32.70
	HYDROGRAPH AT							
+		D67CB	274.	4.92	121.	36.	13.	25.30
	ROUTED TO							
+		R67N	271.	5.08	121.	36.	13.	25.30
	HYDROGRAPH AT							
+		D1922W	535.	5.08	171.	45.	16.	28.70
	2 COMBINED AT							
+		C67G	799.	5.08	289.	81.	29.	28.70
	DIVERSION TO							

+		S67HW	799.	5.08	289.	81.	29.	28.70
+	HYDROGRAPH AT	S67HS	0.	0.08	0.	0.	0.	28.70
+	2 COMBINED AT	CIS67	26.	4.92	26.	10.	3.	28.70
+	DIVERSION TO	D67IS	26.	4.92	26.	10.	3.	28.70
+	HYDROGRAPH AT	DIS67	0.	0.08	0.	0.	0.	28.70
+	HYDROGRAPH AT	S67HW	799.	5.08	289.	81.	29.	28.70
+	ROUTED TO	R2421W	771.	5.50	286.	81.	29.	28.70
+	HYDROGRAPH AT	24-21N	628.	4.33	101.	25.	9.	0.41
+	HYDROGRAPH AT	SCB4S	500.	5.08	217.	59.	21.	37.08
+	ROUTED TO	R2421S	496.	5.25	217.	59.	21.	37.08
+	3 COMBINED AT	C2421N	1221.	5.42	533.	152.	55.	40.90
+	ROUTED TO	RES24N	383.	7.75	260.	77.	28.	40.90
+	HYDROGRAPH AT	24-21S	1224.	4.17	153.	38.	14.	0.61
+	2 COMBINED AT	C2421S	549.	4.25	286.	106.	39.	41.52
+	DIVERSION TO	D2421W	115.	4.25	60.	22.	8.	41.52
+	HYDROGRAPH AT	D2421S	433.	4.25	226.	84.	30.	41.52
+	2 COMBINED AT	CIS5	433.	4.25	226.	84.	30.	41.52
+	DIVERSION TO	SIS5S	223.	4.25	111.	38.	14.	41.52
+	HYDROGRAPH AT	SIS5W	210.	4.25	114.	46.	17.	41.52
+	ROUTED TO	RIS8	205.	4.33	114.	46.	17.	41.52
+	HYDROGRAPH AT	D75CB	247.	5.25	109.	32.	12.	37.08
+	HYDROGRAPH AT	D2421W	115.	4.25	60.	22.	8.	41.52
	2 COMBINED AT							

+		C75F1	265.	5.17	165.	54.	19.	41.52
+	DIVERSION TO	S75IW	153.	5.17	91.	25.	9.	41.52
+	HYDROGRAPH AT	S75IS	112.	5.17	74.	28.	10.	41.52
+	ROUTED TO	R75O	110.	5.33	74.	28.	10.	41.52
+	2 COMBINED AT	CIS75	282.	4.42	188.	75.	27.	41.52
+	DIVERSION TO	D75IS	241.	4.42	168.	68.	25.	41.52
+	HYDROGRAPH AT	DIS75	41.	4.42	20.	7.	2.	41.52
+	ROUTED TO	RIS9	35.	4.75	20.	7.	2.	41.52
+	HYDROGRAPH AT	SCB5S	261.	5.17	128.	33.	12.	41.59
+	ROUTED TO	R2321S	257.	5.42	126.	33.	12.	41.59
+	HYDROGRAPH AT	23-21	1018.	4.50	221.	56.	20.	0.99
+	HYDROGRAPH AT	S75IW	153.	5.17	91.	25.	9.	41.52
+	ROUTED TO	R2321W	137.	5.92	90.	25.	9.	41.52
+	3 COMBINED AT	C23-21	1018.	4.83	456.	127.	46.	47.02
+	DIVERSION TO	D2321W	343.	4.83	148.	42.	15.	47.02
+	HYDROGRAPH AT	D2321S	455.	4.83	196.	56.	20.	47.02
+	2 COMBINED AT	CIS6	488.	4.83	214.	62.	22.	47.02
+	DIVERSION TO	SIS6S	317.	4.83	113.	28.	10.	47.02
+	HYDROGRAPH AT	SIS6W	172.	4.83	101.	34.	12.	47.02
+	ROUTED TO	RIS10	170.	5.00	101.	34.	12.	47.02
+	HYDROGRAPH AT	D83CB	239.	5.33	148.	44.	16.	41.59
+	ROUTED TO	R83N	238.	5.50	147.	44.	16.	41.59
	HYDROGRAPH AT							

+		D2321W	343.	4.83	148.	42.	15.	47.02
+	2 COMBINED AT	C83G	534.	5.00	287.	84.	31.	47.02
+	DIVERSION TO	S83HW	7.	5.00	4.	1.	0.	47.02
+	HYDROGRAPH AT	S83HS	527.	5.00	283.	83.	30.	47.02
+	ROUTED TO	R83O	526.	5.08	283.	83.	30.	47.02
+	2 COMBINED AT	CIS83	694.	5.08	383.	117.	43.	47.02
+	DIVERSION TO	D83IS	367.	5.08	261.	86.	32.	47.02
+	HYDROGRAPH AT	DIS83	327.	5.08	122.	31.	11.	47.02
+	ROUTED TO	RIS11	325.	5.17	122.	31.	11.	47.02
+	HYDROGRAPH AT	SCB6S	310.	5.58	191.	52.	19.	48.80
+	ROUTED TO	R2221S	307.	5.83	189.	52.	19.	48.80
+	HYDROGRAPH AT	22-21	951.	4.50	233.	59.	21.	1.00
+	HYDROGRAPH AT	S83HW	7.	5.00	4.	1.	0.	47.02
+	ROUTED TO	R2221W	7.	5.92	4.	1.	0.	47.02
+	3 COMBINED AT	C22-21	952.	4.92	447.	123.	44.	55.24
+	DIVERSION TO	D2221W	422.	5.00	191.	54.	20.	55.24
+	HYDROGRAPH AT	D2221S	318.	5.00	144.	41.	15.	55.24
+	2 COMBINED AT	CIS7	622.	5.08	256.	69.	25.	55.24
+	DIVERSION TO	SIS7S	330.	5.08	117.	29.	11.	55.24
+	HYDROGRAPH AT	SIS7W	292.	5.08	139.	40.	14.	55.24
+	ROUTED TO	RIS12	290.	5.25	139.	40.	14.	55.24
+	HYDROGRAPH AT	D91CB	355.	5.67	229.	68.	25.	48.80
	ROUTED TO							

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+		R91K	356.	5.83	228.	68.	25.	48.80
+	HYDROGRAPH AT	D2221W	422.	5.00	191.	54.	20.	55.24
+	2 COMBINED AT	C91F	733.	5.17	404.	120.	44.	55.24
+	DIVERSION TO	S91FW	405.	5.17	220.	62.	22.	55.24
+	HYDROGRAPH AT	S91FS	327.	5.17	184.	58.	21.	55.24
+	ROUTED TO	R91L	326.	5.33	184.	58.	21.	55.24
+	2 COMBINED AT	CIS91	616.	5.25	322.	98.	36.	55.24
+	DIVERSION TO	D91IS	253.	5.25	192.	65.	24.	55.24
+	HYDROGRAPH AT	DIS91	363.	5.25	130.	33.	12.	55.24
+	ROUTED TO	RIS13	360.	5.42	130.	33.	12.	55.24
+	HYDROGRAPH AT	SCB7S	125.	5.25	65.	17.	6.	50.64
+	ROUTED TO	R2121S	123.	5.58	63.	17.	6.	50.64
+	HYDROGRAPH AT	21-21	820.	4.58	189.	47.	17.	1.01
+	HYDROGRAPH AT	S91FW	405.	5.17	220.	62.	22.	55.24
+	ROUTED TO	R2121W	402.	5.33	219.	62.	22.	55.24
+	3 COMBINED AT	C21-21	853.	5.25	390.	109.	39.	59.10
+	DIVERSION TO	D2121W	452.	5.25	206.	58.	21.	59.10
+	HYDROGRAPH AT	D2121S	401.	5.25	183.	51.	18.	59.10
+	2 COMBINED AT	CIS8	749.	5.33	308.	82.	30.	59.10
+	DIVERSION TO	SIS8S	290.	5.33	115.	29.	11.	59.10
+	HYDROGRAPH AT	SIS8W	458.	5.33	193.	53.	19.	59.10
+	ROUTED TO	RIS14	458.	5.33	193.	53.	19.	59.10
	HYDROGRAPH AT							

+		D99CB	172.	5.25	88.	25.	9.	50.64
+	ROUTED TO	R99F	171.	5.50	87.	25.	9.	50.64
+	HYDROGRAPH AT	D2121W	452.	5.25	206.	58.	21.	59.10
+	2 COMBINED AT	C99C	611.	5.25	288.	82.	30.	59.10
+	DIVERSION TO	S99CW	269.	5.25	123.	33.	12.	59.10
+	HYDROGRAPH AT	S99CS	342.	5.25	165.	49.	18.	59.10
+	ROUTED TO	R99G	341.	5.42	165.	49.	18.	59.10
+	2 COMBINED AT	CIS99	796.	5.33	357.	102.	37.	59.10
+	DIVERSION TO	D99IS	175.	5.33	78.	22.	8.	59.10
+	HYDROGRAPH AT	DIS99	621.	5.33	278.	79.	29.	59.10
+	ROUTED TO	RIS15	618.	5.50	278.	79.	29.	59.10
+	HYDROGRAPH AT	SCB8S	182.	5.33	84.	22.	8.	51.34
+	ROUTED TO	R2021S	178.	5.67	82.	22.	8.	51.34
+	HYDROGRAPH AT	20-21	750.	4.75	222.	57.	20.	1.02
+	DIVERSION TO	D2021R	495.	4.75	62.	15.	6.	1.02
+	HYDROGRAPH AT	RET20	710.	4.92	163.	41.	15.	1.02
+	HYDROGRAPH AT	S99CW	269.	5.25	123.	33.	12.	59.10
+	ROUTED TO	R2021W	265.	5.58	121.	33.	12.	59.10
+	3 COMBINED AT	C20-21	756.	5.50	283.	79.	28.	60.83
+	DIVERSION TO	D2021W	204.	5.50	76.	21.	8.	60.83
+	HYDROGRAPH AT	D2021S	552.	5.50	207.	58.	21.	60.83
+	2 COMBINED AT	CIS9	1166.	5.50	481.	136.	49.	60.83
	DIVERSION TO							

+		SIS9S	324.	5.50	132.	36.	13.	60.83
+	HYDROGRAPH AT	SIS9W	842.	5.50	350.	100.	36.	60.83
+	ROUTED TO	RIS16	835.	5.67	349.	100.	36.	60.83
+	HYDROGRAPH AT	D107CB	167.	5.42	75.	22.	8.	51.65
+	ROUTED TO	R107A	166.	5.58	75.	22.	8.	51.65
+	HYDROGRAPH AT	D2021W	204.	5.50	76.	21.	8.	60.83
+	2 COMBINED AT	C107A	361.	5.50	148.	42.	15.	60.83
+	DIVERSION TO	S107AW	149.	5.50	56.	14.	5.	60.83
+	HYDROGRAPH AT	S107AS	213.	5.50	92.	28.	10.	60.83
+	ROUTED TO	R107B	210.	5.75	91.	28.	10.	60.83
+	2 COMBINED AT	CIS107	1041.	5.67	441.	128.	47.	60.83
+	DIVERSION TO	D107IS	697.	5.67	295.	86.	31.	60.83
+	HYDROGRAPH AT	DIS107	343.	5.67	145.	42.	15.	60.83
+	ROUTED TO	RIS17	339.	5.83	145.	42.	15.	60.83
+	HYDROGRAPH AT	19-21	606.	4.50	127.	32.	12.	0.87
+	HYDROGRAPH AT	S107AW	149.	5.50	56.	14.	5.	60.83
+	ROUTED TO	R1921W	144.	5.75	56.	14.	5.	60.83
+	2 COMBINED AT	C19-21	629.	5.33	259.	68.	24.	61.70
+	DIVERSION TO	D1921W	161.	4.67	76.	21.	7.	61.70
+	HYDROGRAPH AT	D1921S	63.	4.67	30.	8.	3.	61.70
+	2 COMBINED AT	CIS10	394.	5.83	169.	50.	18.	61.70
+	ROUTED TO	RIS18	389.	6.00	169.	50.	18.	61.70
	HYDROGRAPH AT							

+		D1921W	161.	4.67	76.	21.	7.	61.70
+	3 COMBINED AT	NULL7	9680.	5.67	4918.	1374.	518.	1.00
+	HYDROGRAPH AT	D35IS	1590.	5.42	573.	143.	52.	15.60
+	ROUTED TO	RGR8	1588.	5.50	573.	143.	52.	15.60
+	HYDROGRAPH AT	D27IS	1883.	5.00	553.	141.	51.	6.25
+	ROUTED TO	R27F	1883.	5.08	553.	141.	51.	6.25
+	HYDROGRAPH AT	26-22N	981.	4.08	97.	24.	9.	0.38
+	HYDROGRAPH AT	SD31CS	251.	3.83	195.	53.	19.	0.99
+	4 COMBINED AT	C2622N	3354.	5.17	1340.	348.	125.	16.65
+	DIVERSION TO	SD31DS	251.	3.17	245.	74.	27.	16.65
+	HYDROGRAPH AT	SD31D	3103.	5.17	1095.	274.	99.	16.65
+	ROUTED TO	RES26T	3104.	5.25	1129.	402.	247.	16.65
+	DIVERSION TO	D26S	3104.	5.25	1129.	402.	247.	16.65
+	HYDROGRAPH AT	D26W	0.	0.08	0.	0.	0.	16.65
+	HYDROGRAPH AT	SIS1AS	1714.	5.42	499.	126.	45.	15.60
+	DIVERSION TO	SD35DS	75.	4.08	64.	17.	6.	15.60
+	HYDROGRAPH AT	SD35DW	1639.	5.42	436.	109.	39.	15.60
+	ROUTED TO	R2722W	1636.	5.50	436.	109.	39.	15.60
+	HYDROGRAPH AT	SIS1S	537.	4.08	293.	83.	30.	16.00
+	ROUTED TO	R2722S	528.	4.25	293.	83.	30.	16.00
+	HYDROGRAPH AT	27-22N	607.	4.25	104.	26.	9.	0.37
+	4 COMBINED AT	C2722N	1996.	5.50	806.	213.	77.	16.40
	DIVERSION TO							

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+		D2722A	316.	5.50	96.	24.	9.	16.40
+	HYDROGRAPH AT	D2722N	1680.	5.50	710.	189.	68.	16.40
+	DIVERSION TO	D39S	1080.	5.50	415.	115.	42.	16.40
+	HYDROGRAPH AT	D39	600.	5.08	295.	74.	27.	16.40
+	HYDROGRAPH AT	D43IS	255.	4.25	144.	45.	16.	16.00
+	ROUTED TO	R43K	252.	4.33	144.	45.	16.	16.00
+	DIVERSION TO	S43GW	81.	4.33	27.	7.	3.	16.00
+	HYDROGRAPH AT	S43GS	170.	4.33	116.	38.	14.	16.00
+	HYDROGRAPH AT	D2722A	316.	5.50	96.	24.	9.	16.40
+	3 COMBINED AT	C2722A	1031.	5.42	507.	136.	49.	16.40
+	ROUTED TO	PA43	1032.	5.42	508.	136.	49.	16.40
+	DIVERSION TO	D43S	832.	5.42	372.	102.	37.	16.40
+	HYDROGRAPH AT	D43	200.	3.83	136.	34.	12.	16.40
+	ROUTED TO	R2822W	200.	4.42	134.	34.	12.	16.40
+	HYDROGRAPH AT	SIS2S	173.	4.58	30.	7.	3.	17.50
+	HYDROGRAPH AT	SIS2SA	281.	4.58	73.	20.	7.	17.50
+	2 COMBINED AT	C2822A	449.	4.58	103.	27.	10.	18.30
+	ROUTED TO	R2822S	443.	4.67	102.	27.	10.	18.30
+	HYDROGRAPH AT	28-22N	617.	4.33	102.	26.	9.	0.45
+	HYDROGRAPH AT	S43GW	81.	4.33	27.	7.	3.	16.00
+	3 COMBINED AT	C2822N	806.	4.58	200.	54.	19.	18.30
+	DIVERSION TO	D2822A	596.	4.58	148.	40.	14.	18.30
	HYDROGRAPH AT							

+		D2822N	209.	4.58	52.	14.	5.	18.30
+	2 COMBINED AT	C2822D	409.	4.58	185.	48.	17.	18.30
+	ROUTED TO	PA47	373.	4.83	185.	48.	17.	18.30
+	DIVERSION TO	D47S	0.	4.75	0.	0.	0.	18.30
+	HYDROGRAPH AT	D47	373.	4.83	185.	48.	17.	18.30
+	HYDROGRAPH AT	D51IS	261.	4.75	98.	27.	10.	17.50
+	ROUTED TO	R51M	259.	4.83	98.	27.	10.	17.50
+	DIVERSION TO	S51HW	26.	4.83	2.	1.	0.	17.50
+	HYDROGRAPH AT	S51HS	233.	4.83	96.	27.	10.	17.50
+	HYDROGRAPH AT	D2822A	596.	4.58	148.	40.	14.	18.30
+	3 COMBINED AT	C2822B	1168.	4.67	427.	114.	41.	18.30
+	ROUTED TO	PA51	947.	5.08	422.	114.	41.	18.30
+	DIVERSION TO	D51S	930.	5.08	418.	114.	41.	18.30
+	HYDROGRAPH AT	D51	17.	5.08	4.	1.	0.	18.30
+	HYDROGRAPH AT	SIS3S	409.	4.83	103.	27.	10.	24.50
+	ROUTED TO	R2922S	407.	4.92	103.	27.	10.	24.50
+	HYDROGRAPH AT	29-22N	747.	4.17	91.	23.	8.	0.41
+	2 COMBINED AT	C2922N	567.	4.67	166.	43.	16.	24.90
+	DIVERSION TO	D2922A	306.	4.67	90.	23.	8.	24.90
+	HYDROGRAPH AT	D2922N	261.	4.67	77.	20.	7.	24.90
+	HYDROGRAPH AT	S51HW	26.	4.83	2.	1.	0.	17.50
+	3 COMBINED AT	C2922B	277.	4.75	81.	21.	8.	25.80
	ROUTED TO							

+		PA55	121.	5.50	81.	21.	8.	25.80
+	DIVERSION TO	D55S	121.	5.50	75.	19.	7.	25.80
+	HYDROGRAPH AT	D55	63.	3.75	7.	2.	1.	25.80
+	HYDROGRAPH AT	D59IS	432.	4.92	204.	64.	23.	24.50
+	DIVERSION TO	S59HW	37.	4.92	4.	1.	0.	24.50
+	HYDROGRAPH AT	S59HS	395.	4.92	200.	63.	23.	24.50
+	HYDROGRAPH AT	D2922A	306.	4.67	90.	23.	8.	24.90
+	3 COMBINED AT	C2922A	686.	4.75	293.	88.	32.	25.80
+	ROUTED TO	PA59	615.	5.17	293.	88.	32.	25.80
+	DIVERSION TO	D59S	350.	5.17	238.	74.	27.	25.80
+	HYDROGRAPH AT	D59	265.	5.17	55.	14.	5.	25.80
+	HYDROGRAPH AT	SIS4S	671.	5.08	190.	48.	17.	32.70
+	ROUTED TO	R3022S	665.	5.08	190.	48.	17.	32.70
+	HYDROGRAPH AT	30-22N	138.	4.50	38.	10.	4.	0.16
+	HYDROGRAPH AT	S59HW	37.	4.92	4.	1.	0.	24.50
+	4 COMBINED AT	C3022N	986.	5.17	267.	68.	24.	34.10
+	ROUTED TO	PA63	965.	5.25	264.	68.	24.	34.10
+	DIVERSION TO	D63S	965.	5.25	264.	68.	24.	34.10
+	HYDROGRAPH AT	D63	0.	0.08	0.	0.	0.	34.10
+	HYDROGRAPH AT	D26S	3104.	5.25	1129.	402.	247.	16.65
+	ROUTED TO	R2622S	3100.	5.33	1129.	402.	247.	16.65
+	HYDROGRAPH AT	26-22E	792.	4.17	105.	26.	9.	0.38
	2 COMBINED AT							

+		C2622E	3323.	5.25	1259.	436.	260.	12.14
	ROUTED TO							
+		RES26E	3033.	5.67	1248.	436.	260.	12.14
	DIVERSION TO							
+		D27TR	3000.	5.67	1215.	407.	231.	12.14
	HYDROGRAPH AT							
+		DTR27	33.	0.08	33.	29.	28.	12.14
	HYDROGRAPH AT							
+		26-22S	1230.	4.00	108.	27.	10.	0.39
	DIVERSION TO							
+		D2622W	295.	4.00	26.	6.	2.	0.39
	HYDROGRAPH AT							
+		D2622S	935.	4.00	82.	21.	7.	0.39
	HYDROGRAPH AT							
+		SD31DS	251.	3.17	245.	74.	27.	16.65
	3 COMBINED AT							
+		C2622S	1219.	4.00	345.	118.	60.	0.39
	DIVERSION TO							
+		STR1S	975.	4.00	304.	105.	54.	0.39
	HYDROGRAPH AT							
+		STR1W	244.	4.00	40.	13.	6.	0.39
	ROUTED TO							
+		RTR1	208.	4.25	40.	13.	6.	0.39
	HYDROGRAPH AT							
+		SD35DS	75.	4.08	64.	17.	6.	15.60
	HYDROGRAPH AT							
+		26-22W	171.	4.08	19.	5.	2.	0.08
	HYDROGRAPH AT							
+		D2622W	295.	4.00	26.	6.	2.	0.39
	3 COMBINED AT							
+		C35E	515.	4.08	103.	28.	10.	0.47
	DIVERSION TO							
+		S35DW	199.	4.08	14.	3.	1.	0.47
	HYDROGRAPH AT							
+		S35DS	316.	4.08	89.	24.	9.	0.47
	ROUTED TO							
+		R35J	283.	4.17	89.	24.	9.	0.47
	2 COMBINED AT							
+		CTR35	473.	4.25	129.	37.	15.	0.47
	DIVERSION TO							
+		D35TR	367.	4.25	99.	28.	11.	0.47
	HYDROGRAPH AT							
+		DTR35	106.	4.25	30.	9.	3.	0.47
	ROUTED TO							

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+		RTR2	89.	4.58	30.	9.	3.	0.47
+	HYDROGRAPH AT	D39S	1080.	5.50	415.	115.	42.	16.40
+	ROUTED TO	R2722A	1076.	5.58	414.	115.	42.	16.40
+	HYDROGRAPH AT	27-22S	861.	4.33	162.	41.	15.	0.63
+	HYDROGRAPH AT	S35DW	199.	4.08	14.	3.	1.	0.47
+	ROUTED TO	R2722B	108.	4.67	14.	3.	1.	0.47
+	3 COMBINED AT	C2722S	1375.	5.33	581.	159.	57.	12.14
+	DIVERSION TO	D2722W	87.	5.33	25.	6.	2.	12.14
+	HYDROGRAPH AT	D2722S	1288.	5.33	556.	152.	55.	12.14
+	2 COMBINED AT	CTR1	1329.	5.33	583.	161.	58.	12.14
+	DIVERSION TO	STR2S	1113.	5.33	516.	144.	52.	12.14
+	HYDROGRAPH AT	STR2W	216.	5.33	67.	17.	6.	12.14
+	ROUTED TO	RTR3	214.	5.75	67.	17.	6.	12.14
+	HYDROGRAPH AT	D43S	832.	5.42	372.	102.	37.	16.40
+	HYDROGRAPH AT	D2722W	87.	5.33	25.	6.	2.	12.14
+	2 COMBINED AT	C43F	941.	5.42	407.	111.	40.	12.14
+	DIVERSION TO	S43HW	581.	5.42	214.	53.	19.	12.14
+	HYDROGRAPH AT	S43HS	359.	5.42	194.	57.	21.	12.14
+	ROUTED TO	R43M	359.	5.50	194.	57.	21.	12.14
+	2 COMBINED AT	CTR43	568.	5.67	260.	74.	27.	12.14
+	DIVERSION TO	D43TR	510.	5.67	246.	70.	25.	12.14
+	HYDROGRAPH AT	DTR43	58.	5.67	14.	4.	1.	12.14
	HYDROGRAPH AT							

+		D51S	930.	5.08	418.	114.	41.	18.30
+	HYDROGRAPH AT	D47S	0.	4.75	0.	0.	0.	18.30
+	2 COMBINED AT	C2822C	929.	5.08	418.	114.	41.	18.32
+	ROUTED TO	R2822A	925.	5.17	417.	114.	41.	18.32
+	HYDROGRAPH AT	28-22S	813.	4.33	124.	31.	11.	0.54
+	2 COMBINED AT	C2822S	1070.	5.17	499.	138.	50.	18.86
+	DIVERSION TO	D2822W	21.	5.17	10.	3.	1.	18.86
+	HYDROGRAPH AT	D2822S	1048.	5.17	489.	135.	49.	18.86
+	HYDROGRAPH AT	S43HW	581.	5.42	214.	53.	19.	12.14
+	ROUTED TO	R2822B	576.	5.83	214.	53.	19.	12.14
+	3 COMBINED AT	CTR2	1435.	5.33	694.	187.	67.	19.96
+	DIVERSION TO	STR3S	717.	5.33	347.	93.	34.	19.96
+	HYDROGRAPH AT	STR3W	717.	5.33	347.	93.	34.	19.96
+	DIVERSION TO	STR4S	561.	5.33	269.	71.	26.	19.96
+	HYDROGRAPH AT	STR4W	156.	5.33	78.	22.	8.	19.96
+	ROUTED TO	RTR4	154.	5.58	78.	22.	8.	19.96
+	HYDROGRAPH AT	D2822W	21.	5.17	10.	3.	1.	18.86
+	DIVERSION TO	S51IW	0.	5.08	0.	0.	0.	18.86
+	HYDROGRAPH AT	S51IS	21.	5.17	10.	3.	1.	18.86
+	ROUTED TO	R51N	19.	5.50	10.	3.	1.	18.86
+	2 COMBINED AT	CTR51	172.	5.58	88.	25.	9.	19.96
+	DIVERSION TO	D51TR	172.	5.58	88.	25.	9.	19.96
	HYDROGRAPH AT							

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+	DTR51	0.	0.08	0.	0.	0.	19.96
ROUTED TO							
+	RTR5	0.	0.08	0.	0.	0.	19.96
HYDROGRAPH AT							
+	D55S	121.	5.50	75.	19.	7.	25.80
ROUTED TO							
+	R2922A	121.	5.92	75.	19.	7.	25.80
HYDROGRAPH AT							
+	29-22S	838.	4.33	137.	34.	12.	0.59
HYDROGRAPH AT							
+	S51IW	0.	5.08	0.	0.	0.	18.86
ROUTED TO							
+	R2922B	0.	6.08	0.	0.	0.	18.86
3 COMBINED AT							
+	C2922S	842.	4.42	292.	75.	27.	26.90
DIVERSION TO							
+	D2922W	140.	4.42	46.	12.	4.	26.90
HYDROGRAPH AT							
+	D2922S	380.	4.42	125.	33.	12.	26.90
2 COMBINED AT							
+	CTR3	377.	4.42	124.	33.	12.	28.00
DIVERSION TO							
+	STR5S	206.	4.42	55.	14.	5.	28.00
HYDROGRAPH AT							
+	STR5W	171.	4.42	69.	19.	7.	28.00
ROUTED TO							
+	RTR6	168.	4.67	69.	19.	7.	28.00
HYDROGRAPH AT							
+	D59S	350.	5.17	238.	74.	27.	25.80
ROUTED TO							
+	R59N	349.	5.25	238.	74.	27.	25.80
HYDROGRAPH AT							
+	D2922W	140.	4.42	46.	12.	4.	26.90
2 COMBINED AT							
+	C59G	431.	5.00	284.	86.	31.	26.90
DIVERSION TO							
+	S59IW	22.	5.00	1.	0.	0.	26.90
HYDROGRAPH AT							
+	S59IS	412.	5.25	282.	86.	31.	26.90
ROUTED TO							
+	R59O	411.	5.33	282.	86.	31.	26.90
2 COMBINED AT							
+	CTR59	561.	4.75	351.	105.	38.	28.00
DIVERSION TO							

+		D59TR	492.	4.75	336.	101.	36.	28.00
+	HYDROGRAPH AT	DTR59	69.	4.75	15.	4.	1.	28.00
+	ROUTED TO	RTR7	67.	5.08	15.	4.	1.	28.00
+	HYDROGRAPH AT	D63S	965.	5.25	264.	68.	24.	34.10
+	ROUTED TO	R3022A	947.	5.42	264.	68.	24.	34.10
+	HYDROGRAPH AT	30-22S	901.	4.42	197.	50.	18.	0.81
+	HYDROGRAPH AT	S59IW	22.	5.00	1.	0.	0.	26.90
+	ROUTED TO	R3022B	8.	6.00	1.	0.	0.	26.90
+	3 COMBINED AT	C3022S	1227.	5.33	399.	106.	38.	36.03
+	DIVERSION TO	D3022W	294.	5.33	96.	26.	9.	36.03
+	HYDROGRAPH AT	D3022S	932.	5.33	303.	81.	29.	36.03
+	2 COMBINED AT	CTR4	980.	5.33	314.	83.	30.	37.13
+	DIVERSION TO	STR6S	644.	5.33	200.	51.	18.	37.13
+	HYDROGRAPH AT	STR6W	336.	5.33	114.	32.	12.	37.13
+	ROUTED TO	RTR8	328.	5.50	114.	32.	12.	37.13
+	HYDROGRAPH AT	D3022W	294.	5.33	96.	26.	9.	36.03
+	HYDROGRAPH AT	D67IS	26.	4.92	26.	10.	3.	28.70
+	2 COMBINED AT	C67G1	320.	5.33	122.	35.	13.	36.03
+	DIVERSION TO	S67IW	44.	5.25	4.	1.	0.	36.03
+	HYDROGRAPH AT	S67IS	279.	5.33	117.	34.	12.	36.03
+	ROUTED TO	R67O	277.	5.50	117.	34.	12.	36.03
+	3 COMBINED AT	CTR67	604.	5.50	231.	66.	24.	37.13
	DIVERSION TO							

+		D67TR	458.	5.50	203.	60.	21.	37.13
+	HYDROGRAPH AT	DTR67	146.	5.50	27.	7.	2.	37.13
+	ROUTED TO	RTR9	135.	5.75	27.	7.	2.	37.13
+	HYDROGRAPH AT	SIS5S	223.	4.25	111.	38.	14.	41.52
+	ROUTED TO	R2521S	213.	4.50	110.	38.	14.	41.52
+	HYDROGRAPH AT	25-21	1047.	4.50	245.	62.	22.	1.00
+	DIVERSION TO	D2521R	21.	4.50	5.	1.	0.	1.00
+	HYDROGRAPH AT	RET25	1026.	4.50	240.	61.	22.	1.00
+	HYDROGRAPH AT	S67IW	44.	5.25	4.	1.	0.	36.03
+	ROUTED TO	R2521W	24.	6.17	4.	1.	0.	36.03
+	3 COMBINED AT	C25-21	1026.	4.58	380.	114.	41.	37.64
+	DIVERSION TO	D2521W	204.	4.58	69.	21.	8.	37.64
+	HYDROGRAPH AT	D2521S	647.	4.58	220.	68.	24.	37.64
+	2 COMBINED AT	CTR5	645.	4.58	245.	74.	27.	38.75
+	DIVERSION TO	STR7S	292.	4.58	81.	20.	7.	38.75
+	HYDROGRAPH AT	STR7W	354.	4.58	163.	53.	19.	38.75
+	ROUTED TO	RTR10	351.	4.75	163.	53.	19.	38.75
+	HYDROGRAPH AT	D75IS	241.	4.42	168.	68.	25.	41.52
+	ROUTED TO	R75P	238.	4.58	167.	68.	25.	41.52
+	HYDROGRAPH AT	D2521W	204.	4.58	69.	21.	8.	37.64
+	2 COMBINED AT	C75G	446.	4.58	240.	91.	33.	37.64
+	DIVERSION TO	S75JW	58.	4.58	5.	1.	0.	37.64
+	HYDROGRAPH AT							

+		S75JS	388.	4.58	235.	89.	32.	37.64
+	ROUTED TO	R75Q	387.	4.67	234.	89.	32.	37.64
+	2 COMBINED AT	CTR75	737.	4.67	394.	142.	51.	38.75
+	DIVERSION TO	D75TR	594.	4.67	355.	132.	48.	38.75
+	HYDROGRAPH AT	DTR75	143.	4.67	39.	10.	4.	38.75
+	ROUTED TO	RTR11	140.	4.92	39.	10.	4.	38.75
+	HYDROGRAPH AT	SIS6S	317.	4.83	113.	28.	10.	47.02
+	ROUTED TO	R2621S	300.	5.33	112.	28.	10.	47.02
+	HYDROGRAPH AT	26-21	887.	4.58	227.	57.	21.	0.99
+	HYDROGRAPH AT	S75JW	58.	4.58	5.	1.	0.	37.64
+	ROUTED TO	R2621W	30.	5.50	5.	1.	0.	37.64
+	3 COMBINED AT	C26-21	886.	5.08	328.	88.	32.	41.28
+	DIVERSION TO	D2621W	198.	5.08	73.	20.	7.	41.28
+	HYDROGRAPH AT	D2621S	564.	5.08	207.	56.	20.	41.28
+	2 COMBINED AT	CTR6	695.	5.08	244.	65.	23.	41.28
+	DIVERSION TO	STR8S	178.	5.08	60.	15.	5.	41.28
+	HYDROGRAPH AT	STR8W	517.	5.08	185.	50.	18.	41.28
+	ROUTED TO	RTR12	512.	5.17	185.	50.	18.	41.28
+	HYDROGRAPH AT	D83IS	367.	5.08	261.	86.	32.	47.02
+	ROUTED TO	R83P	366.	5.17	261.	86.	32.	47.02
+	HYDROGRAPH AT	D2621W	198.	5.08	73.	20.	7.	41.28
+	2 COMBINED AT	C83H	539.	5.17	317.	102.	37.	57.03
	DIVERSION TO							

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+		S83IW	172.	5.17	47.	12.	4.	57.03
+	HYDROGRAPH AT	S83IS	368.	5.17	270.	91.	33.	57.03
+	ROUTED TO	R83Q	367.	5.25	270.	91.	33.	57.03
+	2 COMBINED AT	CTR83	840.	5.25	435.	136.	49.	56.35
+	DIVERSION TO	D83TR	631.	5.25	365.	119.	43.	56.35
+	HYDROGRAPH AT	DTR83	209.	5.25	70.	17.	6.	56.35
+	ROUTED TO	RTR13	206.	5.42	69.	17.	6.	56.35
+	HYDROGRAPH AT	SIS7S	330.	5.08	117.	29.	11.	55.24
+	ROUTED TO	R2721S	320.	5.50	116.	29.	11.	55.24
+	HYDROGRAPH AT	27-21	858.	4.58	216.	55.	20.	1.00
+	DIVERSION TO	D2721R	43.	4.58	5.	1.	0.	1.00
+	HYDROGRAPH AT	RET27	816.	4.58	211.	53.	19.	1.00
+	HYDROGRAPH AT	S83IW	172.	5.17	47.	12.	4.	57.03
+	ROUTED TO	R2721W	161.	5.67	47.	12.	4.	57.03
+	3 COMBINED AT	C27-21	802.	5.42	311.	81.	29.	65.57
+	DIVERSION TO	D2721W	223.	5.50	86.	22.	8.	65.57
+	HYDROGRAPH AT	D2721S	521.	5.50	200.	52.	19.	65.57
+	2 COMBINED AT	CTR7	712.	5.50	263.	68.	25.	66.67
+	DIVERSION TO	STR9S	408.	5.50	144.	36.	13.	66.67
+	HYDROGRAPH AT	STR9W	304.	5.50	119.	32.	12.	66.67
+	ROUTED TO	RTR14	302.	5.58	119.	32.	12.	66.67
+	HYDROGRAPH AT	D91IS	253.	5.25	192.	65.	24.	55.24
	ROUTED TO							

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+		R91M	252.	5.42	192.	65.	24.	55.24
+	HYDROGRAPH AT	D2721W	223.	5.50	86.	22.	8.	65.57
+	2 COMBINED AT	C91G	470.	5.50	269.	87.	32.	65.57
+	DIVERSION TO	S91GW	59.	5.50	9.	2.	1.	65.57
+	HYDROGRAPH AT	S91GS	411.	5.50	261.	84.	31.	65.57
+	ROUTED TO	R91N	410.	5.58	260.	84.	31.	65.57
+	2 COMBINED AT	CTR91	711.	5.58	376.	116.	42.	66.67
+	DIVERSION TO	D91TR	546.	5.58	333.	105.	39.	66.67
+	HYDROGRAPH AT	DTR91	166.	5.58	44.	11.	4.	66.67
+	ROUTED TO	RTR15	161.	5.83	44.	11.	4.	66.67
+	HYDROGRAPH AT	SIS8S	290.	5.33	115.	29.	11.	59.10
+	ROUTED TO	R2821S	286.	5.58	114.	29.	11.	59.10
+	HYDROGRAPH AT	28-21	796.	4.58	185.	46.	17.	1.00
+	HYDROGRAPH AT	S91GW	59.	5.50	9.	2.	1.	65.57
+	ROUTED TO	R2821W	48.	6.00	9.	2.	1.	65.57
+	3 COMBINED AT	C28-21	796.	5.42	324.	84.	30.	70.44
+	DIVERSION TO	D2821W	348.	5.42	142.	37.	13.	70.44
+	HYDROGRAPH AT	D2821S	205.	5.42	84.	22.	8.	70.44
+	2 COMBINED AT	CTR8	342.	5.67	126.	32.	12.	70.44
+	DIVERSION TO	STR10S	96.	5.67	33.	8.	3.	70.44
+	HYDROGRAPH AT	STR10W	246.	5.67	93.	24.	9.	70.44
+	ROUTED TO	RTR16	244.	5.75	93.	24.	9.	70.44
+	HYDROGRAPH AT							

+		D99IS	175.	5.33	78.	22.	8.	59.10
+	ROUTED TO	R99H	173.	5.58	78.	22.	8.	59.10
+	HYDROGRAPH AT	D2821W	348.	5.42	142.	37.	13.	70.44
+	2 COMBINED AT	C99D	509.	5.50	213.	58.	21.	70.44
+	DIVERSION TO	S99DW	184.	5.50	75.	19.	7.	70.44
+	HYDROGRAPH AT	S99DS	325.	5.50	138.	39.	14.	70.44
+	ROUTED TO	R99I	322.	5.67	138.	39.	14.	70.44
+	2 COMBINED AT	CTR99	562.	5.75	230.	63.	23.	70.44
+	DIVERSION TO	D99TR	141.	5.75	58.	16.	6.	70.44
+	HYDROGRAPH AT	DTR99	422.	5.75	173.	47.	17.	70.44
+	ROUTED TO	RTR17	420.	5.83	172.	47.	17.	70.44
+	HYDROGRAPH AT	SIS9S	324.	5.50	132.	36.	13.	60.83
+	ROUTED TO	R2921S	318.	5.75	131.	36.	13.	60.83
+	HYDROGRAPH AT	29-21N	508.	4.75	147.	37.	13.	0.76
+	HYDROGRAPH AT	S99DW	184.	5.50	75.	19.	7.	70.44
+	ROUTED TO	R2921W	183.	5.58	75.	19.	7.	70.44
+	3 COMBINED AT	C2921N	668.	5.67	283.	77.	28.	72.92
+	DIVERSION TO	D2921W	221.	5.67	94.	25.	9.	72.92
+	HYDROGRAPH AT	D2921S	448.	5.67	190.	52.	19.	72.92
+	2 COMBINED AT	CTR9	850.	5.75	356.	98.	35.	74.02
+	ROUTED TO	RES29S	555.	6.58	223.	62.	22.	74.02
+	HYDROGRAPH AT	D107IS	697.	5.67	295.	86.	31.	60.83
	ROUTED TO							

+	R107C	690.	5.75	295.	86.	31.	60.83
+ HYDROGRAPH AT	D2921W	221.	5.67	94.	25.	9.	72.92
+ 2 COMBINED AT	C107B	878.	5.75	366.	107.	39.	72.92
+ ROUTED TO	RES29W	617.	6.50	288.	83.	30.	72.92
+ DIVERSION TO	D2921C	617.	6.50	288.	83.	30.	72.92
+ HYDROGRAPH AT	D2921B	0.	0.08	0.	0.	0.	72.92
+ ROUTED TO	R2921A	0.	0.08	0.	0.	0.	72.92
+ HYDROGRAPH AT	29-21S	216.	4.58	61.	15.	6.	0.26
+ 3 COMBINED AT	C107C	586.	6.58	243.	72.	26.	74.28
+ DIVERSION TO	D107TR	205.	6.58	85.	25.	9.	74.28
+ HYDROGRAPH AT	DTR107	381.	6.58	158.	47.	17.	74.28
+ ROUTED TO	RTR18	379.	6.67	158.	47.	17.	74.28
+ HYDROGRAPH AT	30-21S	1344.	4.17	148.	37.	13.	0.75
+ DIVERSION TO	D3021X	715.	4.00	36.	9.	3.	0.75
+ HYDROGRAPH AT	RET30S	1344.	4.17	112.	28.	10.	0.75
+ 2 COMBINED AT	C3021S	509.	4.33	204.	60.	22.	75.03
+ DIVERSION TO	STR11S	297.	4.33	115.	31.	11.	75.03
+ HYDROGRAPH AT	STR11W	212.	4.33	89.	29.	11.	75.03
+ ROUTED TO	RTR19	179.	4.67	89.	29.	11.	75.03
+ DIVERSION TO	D115TR	77.	4.67	38.	13.	5.	75.03
+ HYDROGRAPH AT	DTR115	102.	4.67	51.	17.	6.	75.03
+ HYDROGRAPH AT	30-21N	1259.	4.17	142.	36.	13.	0.67
DIVERSION TO							

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+		D3021R	1032.	4.17	59.	15.	5.	0.67
+	HYDROGRAPH AT	RET30N	1050.	4.25	83.	21.	7.	0.67
+	DIVERSION TO	D3021W	221.	4.25	17.	4.	2.	0.67
+	HYDROGRAPH AT	D3021S	830.	4.25	65.	16.	6.	0.67
+	HYDROGRAPH AT	D2921C	617.	6.50	288.	83.	30.	72.92
+	ROUTED TO	R3021W	613.	6.67	283.	83.	30.	72.92
+	2 COMBINED AT	C3021N	801.	6.50	378.	116.	42.	73.59
+	ROUTED TO	R3021R	612.	6.75	283.	89.	32.	73.59
+	HYDROGRAPH AT	D3021W	204.	5.50	76.	21.	8.	60.83
+	4 COMBINED AT	NULL8	11072.	5.92	5814.	1633.	611.	1.00
+	HYDROGRAPH AT	36-22	417.	4.17	62.	16.	6.	0.23
+	DIVERSION TO	D3622W	267.	4.17	40.	10.	4.	0.23
+	HYDROGRAPH AT	D3622S	150.	4.17	22.	6.	2.	0.23
+	HYDROGRAPH AT	D27TR	3000.	5.67	1215.	407.	231.	12.14
+	ROUTED TO	R27G	2991.	5.75	1214.	407.	231.	12.14
+	HYDROGRAPH AT	D3622W	267.	4.17	40.	10.	4.	0.23
+	2 COMBINED AT	C27B	3068.	5.75	1233.	413.	233.	17.26
+	DIVERSION TO	S27BW	1391.	5.75	588.	192.	105.	17.26
+	HYDROGRAPH AT	S27BS	1405.	5.75	604.	211.	125.	17.26
+	ROUTED TO	R27H	1398.	5.83	604.	211.	124.	17.26
+	2 COMBINED AT	CMD27	1405.	5.83	618.	216.	126.	17.26
+	DIVERSION TO	D27MD	921.	5.83	433.	169.	109.	17.26
	HYDROGRAPH AT							

+		DMD27	484.	5.83	185.	47.	17.	17.26
+	ROUTED TO	RMD1	486.	5.92	184.	47.	17.	17.26
+	HYDROGRAPH AT	STR1S	975.	4.00	304.	105.	54.	0.39
+	ROUTED TO	R3522S	863.	4.25	304.	105.	54.	0.39
+	HYDROGRAPH AT	35-22	1173.	4.42	266.	67.	24.	1.00
+	HYDROGRAPH AT	S27BW	1391.	5.75	588.	192.	105.	17.26
+	ROUTED TO	R3522W	1401.	5.92	586.	192.	104.	17.26
+	3 COMBINED AT	C35-22	1816.	5.92	1055.	357.	180.	18.65
+	DIVERSION TO	D3522W	358.	5.92	212.	58.	21.	18.65
+	HYDROGRAPH AT	D3522S	1458.	5.92	843.	299.	159.	18.65
+	2 COMBINED AT	CMD1	1926.	5.92	1009.	345.	175.	18.65
+	DIVERSION TO	SMD1S	1495.	5.92	800.	287.	155.	18.65
+	HYDROGRAPH AT	SMD1W	431.	5.92	208.	57.	21.	18.65
+	ROUTED TO	RMD2	425.	6.08	208.	57.	21.	18.65
+	HYDROGRAPH AT	D35TR	367.	4.25	99.	28.	11.	0.47
+	ROUTED TO	R35K	349.	4.33	99.	28.	11.	0.47
+	HYDROGRAPH AT	D3522W	358.	5.92	212.	58.	21.	18.65
+	2 COMBINED AT	C35F	523.	4.50	306.	86.	32.	18.73
+	DIVERSION TO	S35EW	319.	4.50	164.	42.	15.	18.73
+	HYDROGRAPH AT	S35ES	204.	4.50	142.	44.	17.	18.73
+	ROUTED TO	R35L	203.	4.67	142.	44.	17.	18.73
+	2 COMBINED AT	CMD35	604.	6.08	350.	101.	38.	18.73
	DIVERSION TO							

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+		D35MD	422.	6.08	252.	75.	28.	18.73
+	HYDROGRAPH AT	DMD35	182.	6.08	98.	26.	10.	18.73
+	ROUTED TO	RMD3	179.	6.50	98.	26.	10.	18.73
+	HYDROGRAPH AT	STR2S	1113.	5.33	516.	144.	52.	12.14
+	ROUTED TO	R3422S	1107.	5.58	515.	144.	52.	12.14
+	HYDROGRAPH AT	34-22	1108.	4.50	259.	65.	24.	1.00
+	HYDROGRAPH AT	S35EW	319.	4.50	164.	42.	15.	18.73
+	ROUTED TO	R3422W	305.	5.42	158.	42.	15.	18.73
+	3 COMBINED AT	C34-22	1647.	5.42	835.	235.	85.	21.20
+	DIVERSION TO	D3422W	478.	5.42	187.	47.	17.	21.20
+	HYDROGRAPH AT	D3422S	1169.	5.42	648.	188.	68.	21.20
+	2 COMBINED AT	CMD2	1320.	5.42	740.	214.	78.	21.20
+	DIVERSION TO	SMD2S	1150.	5.42	665.	195.	71.	21.20
+	HYDROGRAPH AT	SMD2W	171.	5.42	75.	19.	7.	21.20
+	ROUTED TO	RMD4	168.	5.67	75.	19.	7.	21.20
+	HYDROGRAPH AT	D43TR	510.	5.67	246.	70.	25.	12.14
+	ROUTED TO	R43N	508.	5.75	246.	70.	25.	12.14
+	HYDROGRAPH AT	D3422W	478.	5.42	187.	47.	17.	21.20
+	2 COMBINED AT	C43G	903.	5.58	417.	114.	41.	21.20
+	DIVERSION TO	S43IW	0.	0.08	0.	0.	0.	21.20
+	HYDROGRAPH AT	S43IS	903.	5.58	417.	114.	41.	21.20
+	ROUTED TO	R43O	902.	5.58	417.	114.	41.	21.20
	2 COMBINED AT							

+		CMD43	1070.	5.67	492.	133.	48.	21.20
+	DIVERSION TO	D43MD	1070.	5.67	492.	133.	48.	21.20
+	HYDROGRAPH AT	DMD43	0.	0.08	0.	0.	0.	21.20
+	HYDROGRAPH AT	STR3S	717.	5.33	347.	93.	34.	19.96
+	HYDROGRAPH AT	STR4S	561.	5.33	269.	71.	26.	19.96
+	3 COMBINED AT	C3322N	1219.	5.42	601.	161.	58.	23.67
+	ROUTED TO	R3322S	1199.	5.67	599.	161.	58.	23.67
+	HYDROGRAPH AT	33-22	1107.	4.50	242.	61.	22.	1.00
+	HYDROGRAPH AT	S43IW	0.	0.08	0.	0.	0.	21.20
+	2 COMBINED AT	C33-22	1107.	4.58	278.	70.	25.	24.67
+	DIVERSION TO	D3322W	209.	4.58	58.	15.	5.	24.67
+	HYDROGRAPH AT	D3322S	513.	4.58	143.	36.	13.	24.67
+	2 COMBINED AT	CMD3	1409.	5.42	717.	196.	71.	24.67
+	DIVERSION TO	SMD3S	704.	5.42	359.	98.	35.	24.67
+	HYDROGRAPH AT	SMD3W	704.	5.42	359.	98.	35.	24.67
+	DIVERSION TO	SMD4S	554.	5.42	280.	75.	27.	24.67
+	HYDROGRAPH AT	SMD4W	150.	5.42	79.	23.	8.	24.67
+	ROUTED TO	RMD5	148.	5.75	78.	23.	8.	24.67
+	HYDROGRAPH AT	D51TR	172.	5.58	88.	25.	9.	19.96
+	ROUTED TO	R51O	171.	5.75	87.	25.	9.	19.96
+	HYDROGRAPH AT	D3322W	209.	4.58	58.	15.	5.	24.67
+	2 COMBINED AT	C51F	279.	4.75	136.	39.	14.	24.67
	DIVERSION TO							

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+		S51JW	0.	4.67	0.	0.	0.	24.67
+	HYDROGRAPH AT	S51JS	279.	4.75	136.	39.	14.	24.67
+	ROUTED TO	R51P	277.	4.83	136.	39.	14.	24.67
+	2 COMBINED AT	CMD51	388.	4.92	212.	62.	22.	24.67
+	DIVERSION TO	D51MD	374.	4.92	209.	61.	22.	24.67
+	HYDROGRAPH AT	DMD51	15.	5.67	3.	1.	0.	24.67
+	ROUTED TO	RMD6	13.	6.17	3.	1.	0.	24.67
+	HYDROGRAPH AT	STR5S	206.	4.42	55.	14.	5.	28.00
+	ROUTED TO	R3222S	193.	4.83	55.	14.	5.	28.00
+	HYDROGRAPH AT	32-22	939.	4.58	233.	59.	21.	1.00
+	HYDROGRAPH AT	S51JW	0.	4.67	0.	0.	0.	24.67
+	ROUTED TO	R3222W	0.	6.00	0.	0.	0.	24.67
+	3 COMBINED AT	C32-22	939.	4.75	269.	70.	25.	33.71
+	DIVERSION TO	D3222W	441.	4.75	132.	34.	12.	33.71
+	HYDROGRAPH AT	D3222S	333.	4.75	99.	26.	9.	33.71
+	2 COMBINED AT	CMD4	333.	4.75	102.	26.	10.	33.71
+	DIVERSION TO	SMD5S	155.	4.75	42.	11.	4.	33.71
+	HYDROGRAPH AT	SMD5W	177.	4.75	60.	16.	6.	33.71
+	ROUTED TO	RMD7	174.	4.92	59.	16.	6.	33.71
+	HYDROGRAPH AT	D59TR	492.	4.75	336.	101.	36.	28.00
+	ROUTED TO	R59P	492.	4.83	336.	101.	36.	28.00
+	HYDROGRAPH AT	D3222W	441.	4.75	132.	34.	12.	33.71
	2 COMBINED AT							

+		C59H	925.	4.75	461.	134.	48.	33.71
+	DIVERSION TO	S59JW	346.	4.75	71.	18.	6.	33.71
+	HYDROGRAPH AT	S59JS	579.	4.75	390.	116.	42.	33.71
+	ROUTED TO	R59Q	578.	4.83	390.	116.	42.	33.71
+	2 COMBINED AT	CMD59	752.	4.92	449.	132.	48.	33.71
+	DIVERSION TO	D59MD	618.	4.92	413.	123.	44.	33.71
+	HYDROGRAPH AT	DMD59	134.	4.92	35.	9.	3.	33.71
+	ROUTED TO	RMD8	131.	5.08	35.	9.	3.	33.71
+	HYDROGRAPH AT	STR6S	644.	5.33	200.	51.	18.	37.13
+	ROUTED TO	R3122S	622.	5.58	200.	51.	18.	37.13
+	HYDROGRAPH AT	31-22	1036.	4.50	223.	56.	20.	0.98
+	HYDROGRAPH AT	S59JW	346.	4.75	71.	18.	6.	33.71
+	ROUTED TO	R3122W	303.	5.42	71.	18.	6.	33.71
+	3 COMBINED AT	C31-22	1143.	5.42	414.	108.	39.	43.82
+	DIVERSION TO	D3122W	594.	5.42	215.	56.	20.	43.82
+	HYDROGRAPH AT	D3122S	549.	5.42	199.	52.	19.	43.82
+	2 COMBINED AT	CMD5	662.	5.33	232.	60.	22.	43.82
+	DIVERSION TO	SMD6S	212.	5.33	64.	16.	6.	43.82
+	HYDROGRAPH AT	SMD6W	449.	5.33	168.	44.	16.	43.82
+	ROUTED TO	RMD9	445.	5.50	168.	44.	16.	43.82
+	HYDROGRAPH AT	D67TR	458.	5.50	203.	60.	21.	37.13
+	ROUTED TO	R67P	454.	5.58	203.	60.	21.	37.13
+	HYDROGRAPH AT							

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+		D3122W	594.	5.42	215.	56.	20.	43.82
+	2 COMBINED AT	C67H	1018.	5.50	413.	114.	41.	43.82
+	DIVERSION TO	S67JW	341.	5.50	61.	15.	6.	43.82
+	HYDROGRAPH AT	S67JS	677.	5.50	352.	99.	36.	43.82
+	ROUTED TO	R67Q	676.	5.58	352.	99.	36.	43.82
+	2 COMBINED AT	CMD67	1119.	5.50	520.	143.	52.	43.82
+	DIVERSION TO	D67MD	878.	5.50	455.	127.	46.	43.82
+	HYDROGRAPH AT	DMD67	241.	5.50	65.	16.	6.	43.82
+	ROUTED TO	RMD10	236.	5.67	65.	16.	6.	43.82
+	HYDROGRAPH AT	STR7S	292.	4.58	81.	20.	7.	38.75
+	ROUTED TO	R3621S	281.	4.92	81.	20.	7.	38.75
+	HYDROGRAPH AT	36-21	951.	4.50	226.	57.	21.	1.00
+	HYDROGRAPH AT	S67JW	341.	5.50	61.	15.	6.	43.82
+	ROUTED TO	R3621W	243.	5.83	61.	15.	6.	43.82
+	3 COMBINED AT	C36-21	932.	4.75	368.	95.	34.	46.34
+	DIVERSION TO	D3621W	239.	4.83	88.	23.	8.	46.34
+	HYDROGRAPH AT	D3621S	558.	4.83	206.	53.	19.	46.34
+	2 COMBINED AT	CMD6	675.	5.00	270.	69.	25.	46.43
+	DIVERSION TO	SMD7S	208.	5.00	81.	20.	7.	46.43
+	HYDROGRAPH AT	SMD7W	467.	5.00	189.	49.	18.	46.43
+	ROUTED TO	RMD11	463.	5.08	189.	49.	18.	46.43
+	HYDROGRAPH AT	D75TR	594.	4.67	355.	132.	48.	38.75
	ROUTED TO							

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+		R75R	593.	4.83	355.	132.	48.	38.75
+	HYDROGRAPH AT	D3621W	239.	4.83	88.	23.	8.	46.34
+	2 COMBINED AT	C75H	822.	4.83	423.	151.	54.	46.34
+	DIVERSION TO	S75KW	100.	4.83	18.	5.	2.	46.34
+	HYDROGRAPH AT	S75KS	722.	4.83	404.	146.	53.	46.34
+	ROUTED TO	R75S	721.	4.92	404.	146.	53.	46.34
+	2 COMBINED AT	CMD75	1169.	5.00	589.	195.	70.	46.34
+	DIVERSION TO	D75MD	923.	5.00	515.	177.	64.	46.34
+	HYDROGRAPH AT	DMD75	246.	5.00	74.	18.	7.	46.34
+	ROUTED TO	RMD12	242.	5.17	74.	18.	7.	46.34
+	HYDROGRAPH AT	STR8S	178.	5.08	60.	15.	5.	41.28
+	ROUTED TO	R3521S	175.	5.33	59.	15.	5.	41.28
+	HYDROGRAPH AT	35-21	1153.	4.42	201.	50.	18.	0.99
+	DIVERSION TO	D3521R	323.	4.42	56.	14.	5.	0.99
+	HYDROGRAPH AT	RET35	830.	4.42	145.	36.	13.	0.99
+	HYDROGRAPH AT	S75KW	100.	4.83	18.	5.	2.	46.34
+	ROUTED TO	R3521W	94.	5.17	18.	5.	2.	46.34
+	3 COMBINED AT	C35-21	843.	4.92	267.	69.	25.	58.41
+	DIVERSION TO	D3521W	206.	5.00	69.	18.	6.	58.41
+	HYDROGRAPH AT	D3521S	284.	5.00	96.	25.	9.	58.41
+	2 COMBINED AT	CMD7	503.	5.08	161.	41.	15.	58.41
+	DIVERSION TO	SMD8S	127.	5.08	38.	10.	3.	58.41
	HYDROGRAPH AT							

+		SMD8W	375.	5.08	122.	31.	11.	58.41
+	ROUTED TO	RMD13	370.	5.25	122.	31.	11.	58.41
+	HYDROGRAPH AT	D83TR	631.	5.25	365.	119.	43.	56.35
+	ROUTED TO	R83R	630.	5.33	365.	119.	43.	56.35
+	HYDROGRAPH AT	D3521W	206.	5.00	69.	18.	6.	58.41
+	2 COMBINED AT	C83I	792.	5.25	418.	133.	48.	66.13
+	DIVERSION TO	S83JW	225.	5.25	71.	18.	6.	66.13
+	HYDROGRAPH AT	S83JS	567.	5.25	347.	115.	42.	66.13
+	ROUTED TO	R83S	566.	5.33	347.	115.	42.	66.13
+	2 COMBINED AT	CMD83	922.	5.25	461.	145.	53.	66.13
+	DIVERSION TO	D83MD	500.	5.25	323.	110.	40.	66.13
+	HYDROGRAPH AT	DMD83	422.	5.25	139.	35.	13.	66.13
+	ROUTED TO	RMD14	419.	5.42	139.	35.	13.	66.13
+	HYDROGRAPH AT	STR9S	408.	5.50	144.	36.	13.	66.67
+	ROUTED TO	R3421S	396.	5.83	143.	36.	13.	66.67
+	HYDROGRAPH AT	34-21	956.	4.50	230.	58.	21.	1.01
+	HYDROGRAPH AT	S83JW	225.	5.25	71.	18.	6.	66.13
+	ROUTED TO	R3421W	219.	5.58	70.	18.	6.	66.13
+	3 COMBINED AT	C34-21	953.	5.42	396.	104.	37.	75.40
+	DIVERSION TO	D3421W	459.	5.33	195.	51.	18.	75.40
+	HYDROGRAPH AT	D3421S	376.	5.33	159.	41.	15.	75.40
+	2 COMBINED AT	CMD8	780.	5.42	290.	74.	27.	75.40
	DIVERSION TO							

+		SMD9S	215.	5.42	77.	19.	7.	75.40
+	HYDROGRAPH AT	SMD9W	565.	5.42	213.	55.	20.	75.40
+	ROUTED TO	RMD15	564.	5.50	213.	55.	20.	75.40
+	HYDROGRAPH AT	D91TR	546.	5.58	333.	105.	39.	66.67
+	ROUTED TO	R91O	544.	5.67	333.	105.	39.	66.67
+	HYDROGRAPH AT	D3421W	459.	5.33	195.	51.	18.	75.40
+	2 COMBINED AT	C91H	983.	5.67	512.	154.	56.	75.40
+	DIVERSION TO	S91HW	185.	5.67	55.	14.	5.	75.40
+	HYDROGRAPH AT	S91HS	797.	5.67	457.	140.	51.	75.40
+	ROUTED TO	R91P	796.	5.75	457.	140.	51.	75.40
+	2 COMBINED AT	CMD91	1349.	5.58	669.	195.	71.	75.40
+	DIVERSION TO	D91MD	942.	5.58	532.	161.	59.	75.40
+	HYDROGRAPH AT	DMD91	407.	5.58	136.	34.	12.	75.40
+	ROUTED TO	RMD16	405.	5.75	136.	34.	12.	75.40
+	HYDROGRAPH AT	STR10S	96.	5.67	33.	8.	3.	70.44
+	ROUTED TO	R3321S	94.	6.00	33.	8.	3.	70.44
+	HYDROGRAPH AT	33-21	737.	4.67	194.	49.	18.	0.99
+	HYDROGRAPH AT	S91HW	185.	5.67	55.	14.	5.	75.40
+	ROUTED TO	R3321W	182.	5.92	55.	14.	5.	75.40
+	3 COMBINED AT	C33-21	737.	5.42	290.	74.	27.	81.26
+	DIVERSION TO	D3321W	322.	5.42	129.	33.	12.	81.26
+	HYDROGRAPH AT	D3321S	197.	5.42	79.	20.	7.	81.26
	ROUTED TO							

+		RES33	0.	8.50	0.	0.	0.	81.26
+	2 COMBINED AT	CMD9	405.	5.75	136.	34.	12.	81.26
+	DIVERSION TO	SMD10S	178.	5.75	58.	14.	5.	81.26
+	HYDROGRAPH AT	SMD10W	216.	5.75	74.	19.	7.	81.26
+	ROUTED TO	RMD16A	215.	6.00	74.	19.	7.	81.26
+	HYDROGRAPH AT	D99TR	141.	5.75	58.	16.	6.	70.44
+	ROUTED TO	R99J	139.	6.00	57.	16.	6.	70.44
+	HYDROGRAPH AT	D3321W	322.	5.42	129.	33.	12.	81.26
+	2 COMBINED AT	C99E	415.	5.67	180.	48.	17.	81.26
+	DIVERSION TO	S99EW	149.	5.67	62.	16.	6.	81.26
+	HYDROGRAPH AT	S99ES	266.	5.67	118.	32.	12.	81.26
+	ROUTED TO	R99K	266.	5.83	118.	32.	12.	81.26
+	2 COMBINED AT	CMD99	479.	5.92	192.	51.	18.	81.26
+	DIVERSION TO	D99MD	345.	5.92	138.	36.	13.	81.26
+	HYDROGRAPH AT	DMD99	134.	5.92	54.	14.	5.	81.26
+	ROUTED TO	RMD17	133.	6.17	53.	14.	5.	81.26
+	HYDROGRAPH AT	32-21E	349.	4.33	51.	13.	5.	0.24
+	HYDROGRAPH AT	S99EW	149.	5.67	62.	16.	6.	81.26
+	2 COMBINED AT	C3221E	353.	5.17	164.	42.	15.	81.50
+	ROUTED TO	RES32E	188.	5.42	64.	16.	6.	81.50
+	HYDROGRAPH AT	32-21W	893.	4.42	149.	37.	13.	0.77
+	2 COMBINED AT	C3221W	439.	5.00	154.	39.	14.	82.27
	DIVERSION TO							

+		D3221W	413.	5.00	145.	37.	13.	82.27
+	HYDROGRAPH AT	D3221S	26.	5.00	9.	2.	1.	82.27
+	2 COMBINED AT	CMD10	144.	6.08	62.	16.	6.	82.27
+	DIVERSION TO	SMD11S	37.	6.08	13.	3.	1.	82.27
+	HYDROGRAPH AT	SMD11W	107.	6.08	49.	13.	5.	82.27
+	ROUTED TO	RMD18	106.	6.25	49.	13.	5.	82.27
+	HYDROGRAPH AT	D107TR	205.	6.58	85.	25.	9.	74.28
+	HYDROGRAPH AT	D3221W	413.	5.00	145.	37.	13.	82.27
+	2 COMBINED AT	C107D	447.	5.00	220.	60.	22.	85.02
+	DIVERSION TO	S107BW	0.	4.33	0.	0.	0.	85.02
+	HYDROGRAPH AT	S107BS	447.	5.00	220.	60.	22.	85.02
+	ROUTED TO	R107D	451.	5.08	220.	60.	22.	85.02
+	2 COMBINED AT	CMD107	487.	5.08	267.	73.	27.	85.02
+	DIVERSION TO	D107MD	487.	5.08	267.	73.	27.	85.02
+	HYDROGRAPH AT	DMD107	0.	0.08	0.	0.	0.	85.02
+	ROUTED TO	RMD19	0.	0.08	0.	0.	0.	85.02
+	HYDROGRAPH AT	STR11S	297.	4.33	115.	31.	11.	75.03
+	ROUTED TO	R3121S	266.	4.75	113.	31.	11.	75.03
+	HYDROGRAPH AT	31-21	671.	4.67	164.	41.	15.	0.96
+	HYDROGRAPH AT	S107BW	0.	4.33	0.	0.	0.	85.02
+	3 COMBINED AT	C31-21	646.	4.75	232.	63.	23.	86.73
+	DIVERSION TO	D3121W	345.	4.75	115.	31.	11.	86.73
	HYDROGRAPH AT							

+		D3121S	230.	4.75	76.	21.	7.	86.73
+	2 COMBINED AT	CMD11	230.	4.75	76.	21.	7.	86.73
+	DIVERSION TO	SMD12S	58.	4.75	16.	4.	1.	86.73
+	HYDROGRAPH AT	SMD12W	172.	4.75	61.	17.	6.	86.73
+	ROUTED TO	RMD20	162.	5.00	60.	17.	6.	86.73
+	HYDROGRAPH AT	D115TR	77.	4.67	38.	13.	5.	75.03
+	ROUTED TO	R115A	65.	7.33	38.	13.	5.	75.03
+	HYDROGRAPH AT	D3121W	345.	4.75	115.	31.	11.	86.73
+	2 COMBINED AT	C115A	381.	4.83	149.	43.	16.	86.73
+	DIVERSION TO	S115AW	123.	4.83	45.	12.	4.	86.73
+	HYDROGRAPH AT	S115AS	257.	4.83	104.	31.	11.	86.73
+	ROUTED TO	R115B	250.	5.00	103.	31.	11.	86.73
+	2 COMBINED AT	CMD115	411.	5.00	163.	48.	17.	86.73
+	DIVERSION TO	D115MD	243.	5.00	96.	28.	10.	86.73
+	HYDROGRAPH AT	DMD115	169.	5.00	67.	20.	7.	86.73
+	ROUTED TO	RMD21	162.	5.25	67.	20.	7.	86.73
+	HYDROGRAPH AT	36-W21	1007.	4.33	145.	36.	13.	0.84
+	HYDROGRAPH AT	S115AW	123.	4.83	45.	12.	4.	86.73
+	ROUTED TO	R3621A	115.	5.08	45.	12.	4.	86.73
+	2 COMBINED AT	C36W21	1069.	4.67	309.	84.	30.	87.57
+	DIVERSION TO	D36S21	230.	4.42	71.	20.	7.	87.57
+	HYDROGRAPH AT	D36W21	118.	4.42	36.	10.	4.	87.57
	2 COMBINED AT							

+		CMD12	228.	5.17	99.	30.	11.	87.57
+	DIVERSION TO	SMD13S	80.	5.17	30.	7.	3.	87.57
+	HYDROGRAPH AT	SMD13W	149.	5.17	69.	22.	8.	87.57
+	ROUTED TO	RMD22	142.	5.50	69.	22.	8.	87.57
+	HYDROGRAPH AT	D36S21	230.	4.42	71.	20.	7.	87.57
+	3 COMBINED AT	NULL9	11299.	5.92	6117.	1721.	643.	1.00
+	HYDROGRAPH AT	D27MD	921.	5.83	433.	169.	109.	17.26
+	HYDROGRAPH AT	1-12	253.	4.08	28.	7.	2.	0.10
+	2 COMBINED AT	C1-12	925.	5.83	449.	175.	111.	17.36
+	DIVERSION TO	DA1IO	131.	3.42	131.	94.	82.	17.36
+	HYDROGRAPH AT	DI10A	794.	5.83	318.	81.	29.	17.36
+	ROUTED TO	R212W	816.	6.00	316.	81.	29.	17.36
+	HYDROGRAPH AT	D35MD	422.	6.08	252.	75.	28.	18.73
+	HYDROGRAPH AT	SMD1S	1495.	5.92	800.	287.	155.	18.65
+	ROUTED TO	R212S	1485.	6.08	800.	287.	154.	18.65
+	HYDROGRAPH AT	2-12	413.	4.25	65.	16.	6.	0.23
+	4 COMBINED AT	C2-12	2659.	6.08	1392.	454.	216.	19.06
+	DIVERSION TO	DBI10	0.	6.00	0.	0.	0.	19.06
+	HYDROGRAPH AT	DI10B	2659.	6.08	1392.	454.	216.	19.06
+	ROUTED TO	R312W	2678.	6.25	1391.	454.	214.	19.06
+	HYDROGRAPH AT	D43MD	1070.	5.67	492.	133.	48.	21.20
+	HYDROGRAPH AT	SMD2S	1150.	5.42	665.	195.	71.	21.20
	ROUTED TO							

+		R312S	1144.	5.58	664.	195.	71.	21.20
+	HYDROGRAPH AT	3-12	250.	4.50	63.	16.	6.	0.24
+	4 COMBINED AT	C3-12	4349.	6.17	2562.	787.	335.	21.77
+	DIVERSION TO	DC1IO	207.	2.33	207.	140.	102.	21.77
+	HYDROGRAPH AT	DI10C	4142.	6.17	2355.	647.	233.	21.77
+	ROUTED TO	R412W	4112.	6.25	2355.	647.	233.	21.77
+	HYDROGRAPH AT	D51MD	374.	4.92	209.	61.	22.	24.67
+	HYDROGRAPH AT	SMD4S	554.	5.42	280.	75.	27.	24.67
+	HYDROGRAPH AT	SMD3S	704.	5.42	359.	98.	35.	24.67
+	2 COMBINED AT	C4-12	1259.	5.42	638.	173.	62.	24.67
+	ROUTED TO	R412S	1254.	5.58	637.	173.	62.	24.67
+	HYDROGRAPH AT	4-12	404.	4.17	48.	12.	4.	0.22
+	4 COMBINED AT	CI1051	5432.	5.50	3170.	877.	316.	25.45
+	DIVERSION TO	DDI10	0.	0.08	0.	0.	0.	25.45
+	HYDROGRAPH AT	DI10D	5432.	5.50	3170.	877.	316.	25.45
+	ROUTED TO	R512W	5420.	5.58	3169.	877.	316.	25.45
+	HYDROGRAPH AT	D59MD	618.	4.92	413.	123.	44.	33.71
+	HYDROGRAPH AT	SMD5S	155.	4.75	42.	11.	4.	33.71
+	ROUTED TO	R512S	153.	4.92	42.	11.	4.	33.71
+	HYDROGRAPH AT	5-12	206.	4.33	44.	11.	4.	0.18
+	4 COMBINED AT	C5-12	5765.	5.58	3497.	983.	354.	34.68
+	DIVERSION TO	DEI10	0.	0.08	0.	0.	0.	34.68
	HYDROGRAPH AT							

K/14PRINT

+		DI10E	5765.	5.58	3497.	983.	354.	34.68
+	ROUTED TO	R612W	5756.	5.67	3496.	983.	354.	34.68
+	HYDROGRAPH AT	D67MD	878.	5.50	455.	127.	46.	43.82
+	HYDROGRAPH AT	SMD6S	212.	5.33	64.	16.	6.	43.82
+	ROUTED TO	R612S	209.	5.50	64.	16.	6.	43.82
+	HYDROGRAPH AT	6-12	207.	4.33	43.	11.	4.	0.18
+	4 COMBINED AT	C6-12	6559.	5.58	3905.	1100.	397.	44.97
+	DIVERSION TO	DFI10	0.	0.08	0.	0.	0.	44.97
+	HYDROGRAPH AT	DI10F	6559.	5.58	3905.	1100.	397.	44.97
+	ROUTED TO	R111W	6556.	5.67	3904.	1100.	397.	44.97
+	HYDROGRAPH AT	D75MD	923.	5.00	515.	177.	64.	46.34
+	HYDROGRAPH AT	SMD7S	208.	5.00	81.	20.	7.	46.43
+	ROUTED TO	R111S	205.	5.83	81.	20.	7.	46.43
+	HYDROGRAPH AT	1-11	131.	4.50	33.	8.	3.	0.18
+	4 COMBINED AT	C1-11	7547.	5.67	4477.	1292.	466.	47.76
+	DIVERSION TO	DGI10	0.	0.08	0.	0.	0.	47.76
+	HYDROGRAPH AT	DI10G	7547.	5.67	4477.	1292.	466.	47.76
+	ROUTED TO	R211W	7544.	5.67	4476.	1292.	466.	47.76
+	HYDROGRAPH AT	D83MD	500.	5.25	323.	110.	40.	66.13
+	HYDROGRAPH AT	SMD8S	127.	5.08	38.	10.	3.	58.41
+	ROUTED TO	R211S	126.	5.25	38.	10.	3.	58.41
+	HYDROGRAPH AT	2-11	87.	4.75	31.	8.	3.	0.18
	DIVERSION TO							

K&T 4-PRINT

+		D2-11R	5.	4.75	2.	0.	0.	0.18
+	HYDROGRAPH AT	RET211	82.	4.75	29.	7.	3.	0.18
+	4 COMBINED AT	C2-11	7697.	5.33	4588.	1348.	486.	67.64
+	DIVERSION TO	DHI10	0.	0.08	0.	0.	0.	67.64
+	HYDROGRAPH AT	DI10H	7697.	5.33	4588.	1348.	486.	67.64
+	ROUTED TO	R311W	7694.	5.42	4586.	1348.	486.	67.64
+	HYDROGRAPH AT	D91MD	942.	5.58	532.	161.	59.	75.40
+	HYDROGRAPH AT	SMD9S	215.	5.42	77.	19.	7.	75.40
+	ROUTED TO	R311S	214.	5.50	77.	19.	7.	75.40
+	HYDROGRAPH AT	3-11	251.	4.25	41.	10.	4.	0.17
+	4 COMBINED AT	C3-11	8677.	5.42	5108.	1507.	545.	77.07
+	DIVERSION TO	DII10	0.	0.08	0.	0.	0.	77.07
+	HYDROGRAPH AT	DI10I	8677.	5.42	5108.	1507.	545.	77.07
+	ROUTED TO	R411W	8673.	5.50	5106.	1507.	545.	77.07
+	HYDROGRAPH AT	D99MD	345.	5.92	138.	36.	13.	81.26
+	HYDROGRAPH AT	SMD10S	178.	5.75	58.	14.	5.	81.26
+	ROUTED TO	R411S	178.	6.00	58.	14.	5.	81.26
+	HYDROGRAPH AT	4-11	101.	4.75	34.	9.	3.	0.18
+	4 COMBINED AT	C4-11	9033.	5.58	5249.	1544.	558.	83.11
+	DIVERSION TO	DJI10	0.	0.08	0.	0.	0.	83.11
+	HYDROGRAPH AT	DI10J	9033.	5.58	5249.	1544.	558.	83.11
+	ROUTED TO	R511W	9028.	5.67	5247.	1544.	558.	83.11
	HYDROGRAPH AT							

+		D107MD	487.	5.08	267.	73.	27.	85.02
+	HYDROGRAPH AT	SMD11S	37.	6.08	13.	3.	1.	82.27
+	ROUTED TO	R511S	35.	6.50	13.	3.	1.	82.27
+	HYDROGRAPH AT	5-11	98.	4.75	35.	9.	3.	0.18
+	4 COMBINED AT	C5-11	9360.	5.58	5484.	1613.	583.	87.05
+	DIVERSION TO	DKI10	0.	0.08	0.	0.	0.	87.05
+	HYDROGRAPH AT	DI10K	9360.	5.58	5484.	1613.	583.	87.05
+	ROUTED TO	R611W	9355.	5.67	5482.	1613.	583.	87.05
+	HYDROGRAPH AT	D115MD	243.	5.00	96.	28.	10.	86.73
+	HYDROGRAPH AT	SMD12S	58.	4.75	16.	4.	1.	86.73
+	ROUTED TO	R611S	52.	5.08	16.	4.	1.	86.73
+	HYDROGRAPH AT	6-11	126.	4.67	40.	10.	4.	0.22
+	4 COMBINED AT	C6-11	9530.	5.67	5588.	1643.	594.	88.99
+	DIVERSION TO	DLI10	0.	0.08	0.	0.	0.	88.99
+	HYDROGRAPH AT	DI10L	9530.	5.67	5588.	1643.	594.	88.99
+	ROUTED TO	R1W11W	9525.	5.75	5587.	1643.	594.	88.99
+	HYDROGRAPH AT	SMD13S	80.	5.17	30.	7.	3.	87.57
+	ROUTED TO	R1W11S	76.	5.50	29.	7.	3.	87.57
+	HYDROGRAPH AT	1-W11	265.	4.58	79.	20.	7.	0.37
+	3 COMBINED AT	C1-W11	9635.	5.75	5635.	1658.	599.	90.19
+	ROUTED TO	R1W11A	9637.	5.75	5634.	1658.	599.	90.19
+	HYDROGRAPH AT	2-W11	81.	4.25	15.	4.	1.	0.09
	2 COMBINED AT							

K/T 4PRINT

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+                    C2-W11     9639.   5.75      5636.     1659.     600.    90.28
        2 COMBINED AT
+                    NULL10    29479.   5.83     15503.     4392.    1608.     1.00

 *** NORMAL END OF HEC-1 ***
```

Maryvale ADMS: HEC-1 Output
Existing Conditions: 100-Year, 24-Hour Event

```
1*****************************************
 *                                       *
 *   FLOOD HYDROGRAPH PACKAGE  (HEC-1)   *
 *              MAY   1991               *
 *            VERSION 4.0.1E             *
 *                                       *
 *  RUN DATE  01/26/97  TIME  20:20:10   *
 *                                       *
*****************************************
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*****************************************
*                                       *
*    U.S. ARMY CORPS OF ENGINEERS       *
*    HYDROLOGIC ENGINEERING CENTER      *
*          609 SECOND STREET            *
*       DAVIS, CALIFORNIA 95616         *
*           (916) 551-1748              *
*                                       *
*****************************************
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X     X  XXXXXXX   XXXXX          X
X     X  X        X     X        XX
X     X  X        X               X
XXXXXXX  XXXX     X        XXXXX  X
X     X  X        X               X
X     X  X        X     X         X
X     X  XXXXXXX   XXXXX         XXX
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THIS PROGRAM REPLACES ALL PREVIOUS VERSIONS OF HEC-1 KNOWN AS HEC1 (JAN 73), HEC1GS, HEC1DB, AND HEC1KW.

THE DEFINITIONS OF VARIABLES -RTIMP- AND -RTIOR- HAVE CHANGED FROM THOSE USED WITH THE 1973-STYLE INPUT STRUCTURE.
THE DEFINITION OF -AMSKK- ON RM-CARD WAS CHANGED WITH REVISIONS DATED 28 SEP 81. THIS IS THE FORTRAN77 VERSION
NEW OPTIONS: DAMBREAK OUTFLOW SUBMERGENCE , SINGLE EVENT DAMAGE CALCULATION, DSS:WRITE STAGE FREQUENCY,
DSS:READ TIME SERIES AT DESIRED CALCULATION INTERVAL LOSS RATE:GREEN AND AMPT INFILTRATION
KINEMATIC WAVE: NEW FINITE DIFFERENCE ALGORITHM

1 HEC-1 INPUT PAGE 1

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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

  1           ID   MARYVALE ADMS - FCD#93-29: CH2M HILL & Wood/Patel & Associates
  2           ID   Model for Entire Study Area (Approximately 100 square miles)
  3           ID   Existing Conditions
  4           ID   100Yr-24Hr Event
  5           ID   Clark Unit Hydrograph
  6           ID   24-Hour SCS TYPE II Rainfall Pattern was used to determine TC & R
  7           ID   Green-Ampt Precipitation Losses
  8           ID   Model Prepared and Checked by David Dust and Jim Geisbush
  9           ID   MV100-24 (BASE79): SWW\132586\HEC-1
 10           ID   January 1997
 11           ID  ******************************************************************************
 12           ID   HEC-1 ELEMENT NOMENCLATURE
 13           ID   SUB-BASIN HYDROGRAPH:
 14           ID      Example: "17-32N": the sub-basin is Section 17, T3N, R2E
 15           ID
 16           ID   SUB-BASIN DIVERSION:
 17           ID      Example: "D1732S": is the southerly component of divert in Section 17
 18           ID
 19           ID   SUB-BASIN ROUTE:
 20           ID      Example: "R1732S": is the southerly flow route through Sec. 17, T3N, R2E
 21           ID
 22           ID   SUB-BASIN RESERVOIR ROUTE OR SURGE BASIN DIVERT:
 23           ID      Example: "RES17": corresponds to a reservoir route or surge basin divert
 24           ID                        in Sub-basin 17-##
 25           ID
 26           ID   RETENTION BASIN DIVERT:
 27           ID      Example: "RET17": corresponds to retention basin divert in
 28           ID                        Sub-Basin 17-##
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 29          ID
 30          ID   SUB-BASIN COMBINE:
 31          ID      Example: "C17-32": corresponds to sub-basin combine in Sec. 17, T3N, R2E
 32          ID
 33          ID   STREET ROUTE:
 34          ID      Example: "RPA1": first route for Peoria Avenue
 35          ID      Example" "R67C": third route for 67th Avenue
 36          ID
 37          ID   STREET CAPACITY DIVERSION:
 38          ID      Example: "SPA1S": first diversion from Peoria Avenue to the south
 39          ID
 40          ID   STREET INTERSECTION DIVERSION:
 41          ID      Example: "RPA67": flow component along Peoria Avenue from diversion at
 42          ID                        Peoria Avenue and 67th Avenue
 43          ID      Example: "R67PA": flow component along 67th Avenue from diversion at
 44          ID                        Peoria Avenue and 67th Avenue
 45          ID
 46          ID   STREET INTERSECTION COMBINE:
 47          ID      Example: "CPA67": hydrograph combine at the intersection of Peoria Avenue
 48          ID                        and 67th Avenue
 49          ID
 50          ID   STREET COMBINE:
 51          ID      Example: "CPA2": second hydrograph combine along Peoria Avenue
 52          ID
 53          ID   "NULL" COMBINE:
 54          ID      Example: "NULL2": dummy hydrograph combine used to free up a HEC-1
 55          ID                        computational path.  Hence, hydrograph is meaningless.
1                                          HEC-1 INPUT                                          PAGE  2

LINE         ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

 56          ID
 57          ID   ******************************************************************************
 58          ID   STREET NAME CODES
 59          ID     Thunderbird Road  = TB
 60          ID     Cactus Road       = CR
 61          ID     Peoria Avenue     = PA
 62          ID     Olive Avenue      = OA
 63          ID     Northern Avenue   = NA
 64          ID     Glendale Avenue   = GA
 65          ID     Bethany Home Road = BH
 66          ID     Camelback Road    = CB
 67          ID     Indian School Road= IS
 68          ID     Thomas Road       = TR
 69          ID     McDowell Road     = MD
 70          ID   ******************************************************************************
 71          ID
             *DIAGRAM
 72          IT       5                    1000
 73          IO       5
 74          IN      15
 75          JD    3.69    0.01
 76          PC    .000    .002    .005    .008    .011    .014    .017    .020    .023    .026
 77          PC    .029    .032    .035    .038    .041    .044    .048    .052    .056    .060
 78          PC    .064    .068    .072    .076    .080    .085    .090    .095    .100    .105
 79          PC    .110    .115    .120    .126    .133    .140    .147    .155    .163    .172
 80          PC    .181    .191    .203    .218    .236    .257    .283    .387    .663    .707
 81          PC    .735    .758    .776    .791    .804    .815    .825    .834    .842    .849
 82          PC    .856    .863    .869    .875    .881    .887    .893    .898    .903    .908
 83          PC    .913    .918    .922    .926    .930    .934    .938    .942    .946    .950
 84          PC    .953    .956    .959    .962    .965    .968    .971    .974    .977    .980
 85          PC    .983    .986    .989    .992    .995    .998   1.000
 86          JD    3.47   10.00
 87          JD    3.32   30.00
 88          JD    3.17   60.00
 89          JD    3.12   90.00
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 90          JD    3.08  120.00
 91          JD    3.04  150.00
 92          JD    2.95  300.00
 93          JD    2.88  500.00
             *
             *   Thunderbird Road Computation Path
             *

 94          KK    7-32
 95          KM   SUB-BASIN 7-32
 96          KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
 97          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .999
 98          KM     L =  .77  Kb = .064  Adj. Slope =   17.0
 99          BA    .249
100          LG    .210    .170   9.700    .050  22.000
101          UC    .733    .470
102          UA       0       5      16      30      65      77      84      90      94      97
103          UA     100
1                                          HEC-1 INPUT                                          PAGE  3

LINE         ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

104          KK   RET7
105          KM   RETENTION BASIN DIVERSION
106          KM   SUB-BASIN 7-32
107          KM   29% OF SUB-BASIN DRAINS TO RETENTION BASIN
108          DT   D7-32    1.44
109          DI       0  10000.
110          DQ       0   2900.

111          KK   DTB67
112          KM   STREET INTERSECTION DIVERSION
113          KM   67TH & THUNDERBIRD
114          KM   47% West & 53% South
115          DT   D67TB
116          DI       0  10000.
117          DQ       0   5300.

118          KK   RTB1
119          KM   STREET ROUTE
120          KM   WEST
121          KM   THUNDERBIRD
122          RS       3    FLOW     -1.
123          RC    0.02   0.016    0.02   2650.  0.0029
124          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
125          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

126          KK   12-31
127          KM   SUB-BASIN 12-31
128          KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
129          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .994
130          KM     L = 1.05  Kb = .072  Adj. Slope =   17.0
131          BA   1.019
132          LG    .310    .160   7.000    .150  16.000
133          UC   1.071    .411
134          UA       0       5      16      30      65      77      84      90      94      97
135          UA     100

136          KK  D1231S
137          KM   SUB-BASIN DIVERSION
138          KM   SUB-BASIN 12-31
139          KM   64% West & 36% South
140          DT  D1231W
141          DI       0  10000.
142          DQ       0   6400.
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1C/14PRINT

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143          KK   CTB1
144          KM   EAST/WEST STREET COMBINE
145          KM   THUNDERBIRD
146          HC       2   1.269
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LINE         ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

147          KK   STB1W
148          KM   STREET CAPACITY DIVERSION
149          KM   THUNDERBIRD AVENUE
150          KM   DIVERSION TO SOUTH
151          DT   STB1S
152          DI       0     41.     83.   1213.   2087.
153          DQ       0     0.1     24.    565.    975.

154          KK   RTB2
155          KM   STREET ROUTE
156          KM   WEST
157          KM   THUNDERBIRD
158          RS       3    FLOW     -1.
159          RC    0.02   0.016    0.02   2650.  0.0023
160          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
161          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

162          KK  D1231W
163          KM   RETRIEVAL OF SUB-BASIN DIVERSION
164          KM   SUB-BASIN 12-31
165          DR  D1231W

166          KK   S75AS
167          KM   STREET CAPACITY DIVERSION
168          KM   75TH AVENUE
169          KM   DIVERSION TO WEST
170          DT   S75AW
171          DI       0     44.    102.   1609.   2769.
172          DQ       0     0.1     40.    918.   1584.

173          KK   R75A
174          KM   STREET ROUTE
175          KM   SOUTH
176          KM   75TH Avenue
177          RS       3    FLOW     -1.
178          RC    0.02   0.016    0.02   2620.  0.0034
179          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
180          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

181          KK   CTB75
182          KM   INTERSECTION COMBINE
183          KM   THUNDERBIRD & 75TH
184          HC       2   1.269

185          KK   DTB75
186          KM   STREET INTERSECTION DIVERSION
187          KM   THUNDERBIRD & 75TH
188          KM   54% West & 46% South
189          DT   D75TB
190          DI       0  10000.
191          DQ       0   4600.
```


LINE ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10

```
192          KK   RTB3
193          KM   STREET ROUTE
194          KM   WEST
195          KM   THUNDERBIRD
196          RS       3    FLOW     -1.
197          RC    0.02   0.016    0.02   2700.  0.0032
198          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
199          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

200          KK    2-31
201          KM   SUB-BASIN 2-31
202          KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
203          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .998
204          KM     L = 1.00  Kb = .079  Adj. Slope =   26.0
205          BA    .287
206          LG    .420    .250   4.700    .440   7.000
207          UC   1.104    .841
208          UA       0       5      16      30      65      77      84      90      94      97
209          UA     100

210          KK   D231S
211          KM   SUB-BASIN DIVERSION
212          KM   SUB-BASIN 2-31
213          KM   77% WEST & 23% SOUTH
214          DT   D231W
215          DI       0  10000.
216          DQ       0   7700.

217          KK  R1131S
218          KM   SUB-BASIN STREET ROUTE
219          KM   SOUTH
220          KM   RW= 50'
221          KM   PAV= 35'
222          RS       6    FLOW     -1.
223          RC    0.02   0.016    0.02   5350.  0.0026
224          RX       0     0.1     7.5    17.5    32.5    42.5     50.    50.1
225          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

226          KK   11-31
227          KM   SUB-BASIN 11-31
228          KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
229          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .994
230          KM     L = 1.38  Kb = .075  Adj. Slope =   17.0
231          BA    .998
232          LG    .370    .200   6.600    .190  11.000
233          UC   1.450    .724
234          UA       0       5      16      30      65      77      84      90      94      97
235          UA     100
```



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LINE         ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

236          KK   S75AW
237          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
238          DR   S75AW

239          KK  R1131W
240          KM   SUB-BASIN STREET ROUTE
241          KM   West
242          KM   RW= 270'
243          KM   PAV= 183'
244          RS       5    FLOW     -1.
245          RC    0.02   0.016    0.02   5290.  0.0036
246          RX       0     0.1    43.5    53.5   216.5   226.5    270.   270.1
247          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0
```


K/14PRINT

```
248          KK  C11-31
249          KM   SUB-BASIN COMBINE
250          HC       3   2.554

251          KK  D1131S
252          KM   SUB-BASIN DIVERSION
253          KM   SUB-BASIN 11-31
254          KM   70% West & 30% South
255          DT  D1131W
256          DI       0  10000.
257          DQ       0   7000.

258          KK   CTB2
259          KM   EAST/WEST STREET COMBINE
260          KM   THUNDERBIRD
261          HC       2   2.554

262          KK   STB2W
263          KM   STREET CAPACITY DIVERSION
264          KM   THUNDERBIRD
265          KM   DIVERSION TO SOUTH
266          DT   STB2S
267          DI       0     46.     83.   1119.   1924.
268          DQ       0     0.1     17.    388.    670.

269          KK   RTB4
270          KM   STREET ROUTE
271          KM   WEST
272          KM   THUNDERBIRD
273          RS       2    FLOW     -1.
274          RC    0.02   0.016    0.02   2630.  0.0038
275          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
276          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

277          KK  D1131W
278          KM   RETRIEVAL OF SUB-BASIN DIVERSION
279          KM   SUB-BASIN 11-31
280          DR  D1131W
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LINE         ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

281          KK   R83A
282          KM   STREET ROUTE
283          KM   SOUTH
284          KM   83RD Avenue
285          RS       3    FLOW     -1.
286          RC    0.02   0.016    0.02   2620.  0.0028
287          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
288          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

289          KK   CTB83
290          KM   INTERSECTION COMBINE
291          KM   THUNDERBIRD & 83RD
292          HC       2   2.554

293          KK   DTB83
294          KM   STREET INTERSECTION DIVERSION
295          KM   THUNDERBIRD & 83RD
296          KM   50% West & 50% South
297          DT   D83TB
298          DI       0  10000.
299          DQ       0   5000.
```

```
300          KK   10-31
301          KM   SUB-BASIN 10-31
302          KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
303          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .999
304          KM     L =  .86  Kb = .083  Adj. Slope =   20.0
305          BA    .114
306          LG    .400    .150   8.000    .130  19.000
307          UC    .942   1.058
308          UA       0       5      16      30      65      77      84      90      94      97
309          UA     100

310          KK  CADOT1
311          KM   SUB-BASIN COMBINE
312          KM   CADOT1 ADOT CHANNEL ALONG FREEWAY
313          HC       2   2.668

314          KK  ADOT1W
315          KM   DIVERT 100% OF FLOW IN ADOT CHANNEL TO THE SOUTH
316          KM     UNDER THUNDERBIRD ROAD.
317          KM   THIS DIVERT ALLOWS THE TRACKING OF FLOW IN THE ADOT CHANNEL.
318          KM   THE DIVERTED FLOW WILL BE ADDED TO "D1531W" WITHIN BASIN 15-31.
319          KM   WITHIN BASIN 15-31 THE ADOT CHANNEL OUTFALLS TO THE NEW RIVER.
320          DT  ADOT1S
321          DI      0.  10000.
322          DQ      0.  10000.
             *
             *   Cactus Road Computation Path
             *
1                                    HEC-1 INPUT                                    PAGE  8

LINE         ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


323          KK   17-32
324          KM   SUB-BASIN 17-32
325          KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
326          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .998
327          KM     L =  .88  Kb = .088  Adj. Slope =   14.0
328          BA    .285
329          LG    .370    .140   8.800    .090  19.000
330          UC   1.158    .804
331          UA       0       5      16      30      65      77      84      90      94      97
332          UA     100

333          KK   RET17
334          KM   RETENTION BASIN DIVERSION
335          KM   SUB-BASIN 17-32
336          KM   35% OF SUB-BASIN DRAINS TO RETENTION BASIN
337          DT   D1732    4.78
338          DI       0  10000.
339          DQ       0   3500.

340          KK   DCR59
341          KM   STREET INTERSECTION DIVERSION
342          KM   CACTUS & 59TH
343          KM   47% West & 53% South
344          DT   D59CR
345          DI       0  10000.
346          DQ       0   5300.

347          KK   RCR1
348          KM   STREET ROUTE
349          KM   WEST
350          KM   CACTUS
351          RS       2    FLOW     -1.
352          RC    0.02   0.016    0.02   2545.  0.0041
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KC/LAPRINT

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353          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
354          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

355          KK   18-32
356          KM   SUB-BASIN 18-32
357          KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
358          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .995
359          KM     L = 1.20  Kb = .079  Adj. Slope =   16.0
360          BA    .906
361          LG    .310    .150   7.300    .140  24.000
362          UC   1.292    .602
363          UA       0       5      16      30      65      77      84      90      94      97
364          UA     100

365          KK  D1832S
366          KM   SUB-BASIN DIVERSION
367          KM   SUB-BASIN 18-32
368          KM   48% West & 52% South
369          DT  D1832W
370          DI       0  10000.
371          DQ       0   4800.
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LINE         ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

372          KK   CCR1
373          KM   EAST/WEST STREET COMBINE
374          KM   CACTUS
375          HC       2   1.439

376          KK   SCR1W
377          KM   STREET CAPACITY DIVERSION
378          KM   CACTUS
379          KM   DIVERSION TO SOUTH
380          DT   SCR1S
381          DI       0     51.    110.   1435.   2450.
382          DQ       0     0.1     38.    632.   1074.

383          KK   RCR2
384          KM   STREET ROUTE
385          KM   WEST
386          KM   CACTUS
387          RS       2    FLOW     -1.
388          RC    0.02   0.016    0.02   2545.  0.0041
389          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
390          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

391          KK   D67TB
392          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
393          KM   THUNDERBIRD & 67TH
394          DR   D67TB

395          KK   R67A
396          KM   STREET ROUTE
397          KM   SOUTH
398          KM   67TH Avenue
399          RS       3    FLOW     -1.
400          RC    0.02   0.016    0.02   2600.  0.0036
401          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
402          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

403          KK  D1832W
404          KM   RETRIEVAL OF SUB-BASIN DIVERSION
405          KM   SUB-BASIN 18-32
406          DR  D1832W
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407          KK   C67A
408          KM   NORTH/SOUTH STREET COMBINE
409          KM   67TH AVENUE
410          HC       2   1.439

411          KK   S67AS
412          KM   STREET CAPACITY DIVERSION
413          KM   67TH
414          KM   DIVERSION TO WEST
415          DT   S67AW
416          DI       0     47.    137.   1928.   3288.
417          DQ       0     0.1     71.   1190.   2021.
```



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LINE         ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

418          KK   R67B
419          KM   STREET ROUTE
420          KM   SOUTH
421          KM   67TH Avenue
422          RS       3    FLOW     -1.
423          RC    0.02   0.016    0.02   2600.  0.0032
424          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
425          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

426          KK   CCR67
427          KM   INTERSECTION COMBINE
428          KM   CACTUS & 67TH
429          HC       2   1.439

430          KK   DCR67
431          KM   STREET INTERSECTION DIVERSION
432          KM   CACTUS & 67TH
433          KM   DIVERSION SOUTH
434          KM   45% West & 55% South
435          KM   EXISTING STORM DRAIN ALONG CACTUS ROAD
436          KM   CAP= 213 CFS WEST
437          DT   D67CR
438          DI       0    213.  10213.
439          DQ       0     0.1   5500.

440          KK   RCR3
441          KM   STREET ROUTE
442          KM   WEST
443          KM   CACTUS
444          RS       3    FLOW     -1.
445          RC    0.02   0.016    0.02   2660.  0.0025
446          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
447          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

448          KK   STB1S
449          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
450          DR   STB1S

451          KK  R1331S
452          KM   SUB-BASIN STREET ROUTE
453          KM   SOUTH
454          KM   RW= 220'
455          KM   PAV= 148'
456          RS       4    FLOW     -1.
457          RC    0.02   0.016    0.02   5240.  0.0050
458          RX       0     0.1    36.0    46.0   136.0   146.0    220.   220.1
459          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0
```

```
460          KK   13-31
461          KM   SUB-BASIN 13-31
462          KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
463          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .994
464          KM     L = 1.37  Kb = .075  Adj. Slope =   17.0
465          BA   1.003
1                                        HEC-1 INPUT                                          PAGE 11

LINE         ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

466          LG    .300    .160   9.700    .060  21.000
467          UC   1.279    .624
468          UA       0       5      16      30      65      77      84      90      94      97
469          UA     100

470          KK   S67AW
471          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
472          KM   67TH
473          DR   S67AW

474          KK  R1331W
475          KM   SUB-BASIN STREET ROUTE
476          KM   West
477          KM   RW= 320'
478          KM   PAV= 218'
479          RS       5    FLOW     -1.
480          RC    0.02   0.016    0.02   5310.  0.0033
481          RX       0     0.1    51.0    61.0   259.0   269.0    320.   320.1
482          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

483          KK  C13-31
484          KM   SUB-BASIN COMBINE
485          HC       3   3.462

486          KK  D1331S
487          KM   SUB-BASIN DIVERSION
488          KM   SUB-BASIN 13-31
489          KM   50% West & 50% South
490          DT  D1331W
491          DI       0  10000.
492          DQ       0   5000.

493          KK   CCR2
494          KM   EAST/WEST STREET COMBINE
495          KM   CACTUS
496          HC       2   3.462

497          KK   SCR2W
498          KM   STREET CAPACITY DIVERSION
499          KM   CACTUS
500          KM   DIVERSION TO SOUTH
501          KM   STORM DRAIN ALONG CACTUS ROAD
502          KM   CAP= 367.0 CFS
503          DT   SCR2S
504          DI       0    410.    461.   1793.   2820.
505          DQ       0     0.1     32.    741.   1279.

506          KK   RCR4
507          KM   STREET ROUTE
508          KM   WEST
509          KM   CACTUS
510          RS       3    FLOW     -1.
511          RC    0.02   0.016    0.02   2670.  0.0034
512          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
513          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
1                                        HEC-1 INPUT                                          PAGE 12
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

 514          KK   D75TB
 515          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
 516          KM   75TH & THUNDERBIRD
 517          DR   D75TB

 518          KK   R75B
 519          KM   STREET ROUTE
 520          KM   SOUTH
 521          KM   75TH Avenue
 522          RS       2    FLOW     -1.
 523          RC    0.02   0.016    0.02   2620.  0.0045
 524          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
 525          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

 526          KK  D1331W
 527          KM   RETRIEVAL OF SUB-BASIN DIVERSION
 528          KM   SUB-BASIN 13-31
 529          DR  D1331W

 530          KK   C75A
 531          KM   NORTH/SOUTH STREET COMBINE
 532          KM   75TH AVENUE
 533          HC       2   3.462

 534          KK   S75BS
 535          KM   STREET CAPACITY DIVERSION
 536          KM   75TH
 537          KM   DIVERSION TO WEST
 538          DT   S75BW
 539          DI       0     47.     84.   1137.   1954.
 540          DQ       0     0.1     17.    388.    670.

 541          KK   R75C
 542          KM   STREET ROUTE
 543          KM   SOUTH
 544          KM   75TH Avenue
 545          RS       3    FLOW     -1.
 546          RC    0.02   0.016    0.02   2660.  0.0026
 547          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
 548          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

 549          KK   CCR75
 550          KM   INTERSECTION COMBINE
 551          KM   CACTUS & 75TH
 552          HC       2   3.462

 553          KK   DCR75
 554          KM   STREET INTERSECTION DIVERSION
 555          KM   CACTUS & 75TH
 556          KM   46% West & 54% South
 557          KM   DIVERSION SOUTH
 558          KM   EXISTING STORM DRAIN ALONG CACTUS ROAD
 559          KM   CAP= 489 CFS WEST
 560          DT   D75CR
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

 561          DI       0    489.  10489.
 562          DQ       0     0.1   5400.

 563          KK   RCR5
```


K/14PRINT

```
564          KM   STREET ROUTE
565          KM   WEST
566          KM   CACTUS
567          RS       3    FLOW     -1.
568          RC    0.02   0.016    0.02   2670.  0.0031
569          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
570          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

571          KK   STB2S
572          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
573          DR   STB2S

574          KK  R1431S
575          KM   SUB-BASIN STREET ROUTE
576          KM   SOUTH
577          KM   RW= 220'
578          KM   PAV= 148'
579          RS       5    FLOW     -1.
580          RC    0.02   0.016    0.02   5220.  0.0034
581          RX       0     0.1    36.0    46.0   174.0   184.0    220.   220.1
582          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

583          KK   14-31
584          KM   SUB-BASIN 14-31
585          KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
586          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .994
587          KM     L = 1.32  Kb = .079  Adj. Slope =   18.0
588          BA   1.008
589          LG    .290    .150   8.400    .090  26.000
590          UC   1.275    .602
591          UA       0       5      16      30      65      77      84      90      94      97
592          UA     100

593          KK   RET14
594          KM   RETENTION BASIN DIVERSION
595          KM   SUB-BASIN 14-31
596          KM   9% OF SUB-BASIN DRAINS TO RETENTION BASIN
597          DT  D14-31    4.95
598          DI       0  10000.
599          DQ       0    900.

600          KK   S75BW
601          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
602          DR   S75BW

603          KK  R1431W
604          KM   SUB-BASIN STREET ROUTE
605          KM   West
606          KM   RW= 120'
607          KM   PAV= 78'
608          RS       6    FLOW     -1.
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LINE         ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

609          RC    0.02   0.016    0.02   5340.  0.0025
610          RX       0     0.1    21.0    31.0    89.0    99.0    120.   120.1
611          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

612          KK  C14-31
613          KM   SUB-BASIN COMBINE
614          HC       3   5.755

615          KK  D1431S
616          KM   SUB-BASIN DIVERSION
617          KM   SUB-BASIN 14-31
```

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618          KM   48% West & 52% South
619          DT  D1431W
620          DI       0  10000.
621          DQ       0   4800.

622          KK   CCR3
623          KM   EAST/WEST STREET COMBINE
624          KM   CACTUS
625          HC       2   5.755

626          KK   SCR3W
627          KM   STREET CAPACITY DIVERSION
628          KM   CACTUS
629          KM   DIVERSION TO SOUTH
630          KM   STORM DRAIN ALONG CACTUS ROAD
631          KM   CAP= 777.0 CFS
632          DT   SCR3S
633          DI       0    819.    885.   2543.   3817.
634          DQ       0     0.1     47.   1094.   1888.

635          KK   RCR6
636          KM   STREET ROUTE
637          KM   WEST
638          KM   CACTUS
639          RS       3    FLOW     -1.
640          RC    0.02   0.016    0.02   2660.  0.0026
641          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
642          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

643          KK   D83TB
644          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
645          KM   83RD & THUNDERBIRD
646          DR   D83TB

647          KK   R83B
648          KM   STREET ROUTE
649          KM   SOUTH
650          KM   83RD
651          RS       3    FLOW     -1.
652          RC    0.02   0.016    0.02   2620.  0.0027
653          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
654          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
```



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LINE         ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

655          KK  D1431W
656          KM   RETRIEVAL OF SUB-BASIN DIVERSION
657          KM   SUB-BASIN 14-31
658          DR  D1431W

659          KK   C83A
660          KM   NORTH/SOUTH STREET COMBINE
661          KM   83RD AVENUE
662          HC       2   5.755

663          KK   S83AS
664          KM   STREET CAPACITY DIVERSION
665          KM   83RD
666          KM   DIVERSION TO WEST
667          DT   S83AW
668          DI       0     44.    110.   1791.   3082.
669          DQ       0     0.1     47.   1094.   1888.

670          KK   R83C
```

```
671          KM   STREET ROUTE
672          KM   SOUTH
673          KM   83RD Avenue
674          RS       3    FLOW     -1.
675          RC    0.02   0.016    0.02   2600.  0.0032
676          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
677          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

678          KK   CCR83
679          KM   INTERSECTION COMBINE
680          KM   CACTUS & 83RD
681          HC       2   5.755

682          KK   DCR83
683          KM   STREET INTERSECTION DIVERSION
684          KM   CACTUS & 83RD
685          KM   46% West & 54% South
686          KM   DIVERSION SOUTH
687          KM   EXISTING STORM DRAIN ALONG CACTUS ROAD
688          KM   CAP= 823 CFS WEST
689          DT   D83CR
690          DI       0    823.  10823.
691          DQ       0     0.1   5400.

692          KK   RCR7
693          KM   STREET ROUTE
694          KM   WEST
695          KM   CACTUS
696          RS       3    FLOW     -1.
697          RC    0.02   0.016    0.02   2640.  0.0029
698          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
699          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
```



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LINE         ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

700          KK   15-31
701          KM   SUB-BASIN 15-31
702          KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
703          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .995
704          KM     L = 1.43  Kb = .071  Adj. Slope =   18.0
705          BA    .844
706          LG    .370    .170   7.300    .140  12.000
707          UC   1.325    .742
708          UA       0       5      16      30      65      77      84      90      94      97
709          UA     100

710          KK   S83AW
711          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
712          DR   S83AW

713          KK  R1531W
714          KM   SUB-BASIN STREET ROUTE
715          KM   West
716          KM   RW= 320'
717          KM   PAV= 218'
718          RS       5    FLOW     -1.
719          RC    0.02   0.016    0.02   4450.  0.0033
720          RX       0     0.1    51.0    61.0   259.0   269.0    320.   320.1
721          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

722          KK   C15-31
723          KM   SUB-BASIN COMBINE
724          HC       2   6.710
```

```
725          KK  D1531S
726          KM   SUB-BASIN DIVERSION
727          KM   SUB-BASIN 15-31
728          KM   23% West & 77% South
729          DT  D1531W
730          DI       0  10000.
731          DQ       0   2300.

732          KK   CCR4
733          KM   EAST/WEST STREET COMBINE
734          KM   CACTUS & 83RD
735          HC       2   6.710

736          KK   SCR4W
737          KM   STREET CAPACITY DIVERSION
738          KM   CACTUS
739          KM   DIVERSION TO SOUTH
740          KM   STORM DRAIN ALONG CACTUS ROAD
741          KM   CAP= 1000.0 CFS
742          DT   SCR4S
743          DI       0   1041.   1074.   2005.   2728.
744          DQ       0     0.1     15.    353.    609.
```



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LINE         ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

745          KK   RCR8
746          KM   STREET ROUTE
747          KM   WEST
748          KM   CACTUS
749          RS       3    FLOW     -1.
750          RC    0.02   0.016    0.02   2620.  0.0024
751          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
752          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

753          KK  22-31E
754          KM   SUB-BASIN 22-31E
755          KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
756          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .997
757          KM     L = 1.18  Kb = .075  Adj. Slope =   15.0
758          BA    .512
759          LG    .390    .130  10.100    .050  19.000
760          UC   1.200    .757
761          UA       0       5      16      30      65      77      84      90      94      97
762          UA     100

763          KK  D2231E
764          KM   SUB-BASIN DIVERSION
765          KM   SUB-BASIN 22-31E
766          KM   36% NORTHWEST & 64% SOUTHEAST
767          KM   DIVERSION IS TO THE SOUTHEAST
768          KM   MAIN COMPUTATION PATH IS TO THE NORTHWEST
769          DT  D2231S
770          DI       0  10000.
771          DQ       0   6400.

772          KK   SCR4S
773          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
774          KM   CACTUS
775          DR   SCR4S

776          KK  C2231N
777          KM   SUB-BASIN COMBINE
778          HC       2     7.2
```


K/14PRINT

```
 779          KK  R2231E
 780          KM   SUB-BASIN STREET ROUTE
 781          KM   WEST
 782          KM   RW= 100'
 783          KM   PAV= 70'
 784          RS       6    FLOW     -1.
 785          RC    0.02   0.016    0.02   4350.  0.0021
 786          RX       0     0.1    15.0    25.0    75.0    85.0    100.   100.1
 787          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

 788          KK  CADOT3
 789          KM   ADOT CHANNEL @ GRAND AVE
 790          HC       2    11.6

 791          KK  R2231N
 792          KM   SUB-BASIN STREET ROUTE
 793          KM   WEST
 794          KM   RW= 100'
 795          KM   PAV= 70'
 796          RS       5    FLOW     -1.
 797          RC    0.02   0.016    0.02   6150.  0.0045
 798          RX       0     0.1    15.0    25.0    75.0    85.0    100.   100.1
 799          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

 800          KK  ADOT1S
 801          KM   RETRIEVE FLOW IN ADOT CHANNEL "1"
 802          DR  ADOT1S

 803          KK  RADOT1
 804          KM   AGUA FRIA FRWY CHANNEL ROUTE
 805          KM   SOUTH
 806          KM   BOTTOM WIDTH = 30'
 807          KM   TOP WIDTH =  70'
 808          KM   DEPTH = 10'
 809          KM   SIDE SLOPES = 2:1
 810          RS       1    FLOW     -1.
 811          RC   0.016   0.016   0.016   5780.  0.0043
 812          RX       0     10.    15.0    20.0    50.0    55.0    60.0    70.0
 813          RY    10.0      5.     2.5     0.0     0.0     2.5      5.    10.0

 814          KK  D1531W
 815          KM   RETRIEVAL OF SUB-BASIN DIVERSION
 816          KM   SUB-BASIN 15-31
 817          DR  D1531W

 818          KK  CADOT2
 819          KM   FLOW IN ADOT CHANNEL "1" AT OUTFALL
 820          HC       2  6.824

 821          KK   NULL1
 822          KM    NULL COMBINE OF FLOW IN ADOT CHANNELS
 823          KM    @ CACTUS RD. C.P.
 824          HC       3     1.
              *
              *  Peoria Avenue Computation Path
              *

 825          KK   21-32
 826          KM   SUB-BASIN 21-32
 827          KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
 828          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .998
 829          KM     L =  .82  Kb = .080  Adj. Slope =   13.0
```

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830          BA    .399
831          LG    .240    .150   8.800    .070  35.000
1                                          HEC-1 INPUT                                                    PAGE 19

LINE         ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

832          UC   1.029    .550
833          UA       0       5      16      30      65      77      84      90      94      97
834          UA     100

835          KK  D2132S
836          KM   SUB-BASIN DIVERSION
837          KM   SUB-BASIN 21-32
838          KM   30% West & 70% South
839          DT  D2132W
840          DI       0  10000.
841          DQ       0   3000.

842          KK   SPA1W
843          KM   STREET CAPACITY DIVERSION
844          KM   PEORIA AVENUE
845          KM   DIVERSION TO SOUTH
846          DT   SPA1S
847          DI       0     46.    115.   1551.   2647.
848          DQ       0     0.1     49.    818.   1389.

849          KK   RPA1
850          KM   STREET ROUTE
851          KM   WEST
852          KM   PEORIA
853          RS       3    FLOW     -1.
854          RC    0.02   0.016    0.02   2635.  0.0034
855          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
856          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

857          KK  D2132W
858          KM   RETRIEVAL OF SUB-BASIN DIVERSION
859          KM   SUB-BASIN 21-32
860          DR  D2132W

861          KK   S51AS
862          KM   STREET CAPACITY DIVERSION
863          KM   51ST AVENUE
864          KM   DIVERSION TO WEST
865          DT   S51AW
866          DI       0     38.    114.   1602.   2731.
867          DQ       0     0.1     60.   1004.   1705.

868          KK   R51A
869          KM   STREET ROUTE
870          KM   SOUTH
871          KM   51ST Avenue
872          RS       3    FLOW     -1.
873          RC    0.02   0.016    0.02   2635.  0.0024
874          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
875          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
1                                          HEC-1 INPUT                                                    PAGE 20

LINE         ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

876          KK   CPA51
877          KM   INTERSECTION COMBINE
878          KM   PEORIA & 51ST
879          HC       2   0.398
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880          KK   DPA51
881          KM   STREET INTERSECTION DIVERSION
882          KM   PEORIA & 51ST
883          KM   44% West & 56% South
884          DT   D51PA
885          DI       0  10000.
886          DQ       0   5600.

887          KK   RPA2
888          KM   STREET ROUTE
889          KM   WEST
890          KM   PEORIA
891          RS       2    FLOW     -1.
892          RC    0.02   0.016    0.02   2630.  0.0041
893          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
894          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

895          KK   20-32
896          KM   SUB-BASIN 20-32
897          KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
898          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .994
899          KM     L = 1.35  Kb = .071  Adj. Slope =   17.0
900          BA    .985
901          LG    .250    .160   8.800    .070  31.000
902          UC   1.204    .583
903          UA       0       5      16      30      65      77      84      90      94      97
904          UA     100

905          KK   RET20
906          KM   RETENTION BASIN DIVERSION
907          KM   SUB-BASIN 20-32
908          KM   16% OF SUB-BASIN DRAINS TO RETENTION BASIN
909          DT  D2032R    8.93
910          DI       0  10000.
911          DQ       0   1600.

912          KK   S51AW
913          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
914          KM   51ST
915          DR   S51AW

916          KK  R2032W
917          KM   SUB-BASIN STREET ROUTE
918          KM   WEST
919          KM   RW= 270'
920          KM   PAV= 183'
921          RS       5    FLOW     -1.
922          RC    0.02   0.016    0.02   5270.  0.0034
923          RX       0     0.1    43.5    53.5   216.5   226.5    270.   270.1
```



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LINE         ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

924          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

925          KK  C20-32
926          KM   SUB-BASIN COMBINE
927          HC       2     1.4

928          KK  D2032S
929          KM   SUB-BASIN DIVERSION
930          KM   SUB-BASIN 20-32
931          KM   28% West & 72% South
932          DT  D2032W
933          DI       0  10000.
934          DQ       0   2800.
```

```
935          KK   CPA1
936          KM   EAST/WEST STREET COMBINE
937          KM   PEORIA
938          HC       2     1.4

939          KK   SPA2W
940          KM   STREET CAPACITY DIVERSION
941          KM   PEORIA
942          KM   DIVERSION TO SOUTH
943          DT   SPA2S
944          DI       0     51.    121.   1624.   2773.
945          DQ       0     0.1     49.    818.   1389.

946          KK   RPA3
947          KM   STREET ROUTE
948          KM   WEST
949          KM   PEORIA
950          RS       2    FLOW     -1.
951          RC    0.02   0.016    0.02   2630.  0.0041
952          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
953          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

954          KK   D59CR
955          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
956          KM   59TH & PEORIA
957          DR   D59CR

958          KK   R59A
959          KM   STREET ROUTE
960          KM   SOUTH
961          KM   59TH Avenue
962          RS       3    FLOW     -1.
963          RC    0.02   0.016    0.02   2610.  0.0037
964          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
965          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
```



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LINE         ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

966          KK  D2032W
967          KM   RETRIEVAL OF SUB-BASIN DIVERSION
968          KM   SUB-BASIN 20-32
969          DR  D2032W

970          KK   C59A
971          KM   NORTH/SOUTH STREET COMBINE
972          KM   59TH AVENUE
973          HC       2   1.671

974          KK   S59AS
975          KM   STREET CAPACITY DIVERSION
976          KM   59TH
977          KM   DIVERSION TO WEST
978          DT   S59AW
979          DI       0     49.    119.   1593.   2719.
980          DQ       0     0.1     49.    818.   1389.

981          KK   R59B
982          KM   STREET ROUTE
983          KM   SOUTH
984          KM   59TH Avenue
985          RS       2    FLOW     -1.
986          RC    0.02   0.016    0.02   2600.  0.0039
987          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
```

```
988          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

989          KK   CPA59
990          KM   INTERSECTION COMBINE
991          KM   PEORIA & 59TH
992          HC       2   1.671

993          KK   DPA59
994          KM   STREET INTERSECTION DIVERSION
995          KM   PEORIA & 59TH
996          KM   45% West & 55% South
997          DT   D59PA
998          DI       0  10000.
999          DQ       0   5500.

1000         KK   RPA4
1001         KM   STREET ROUTE
1002         KM   WEST
1003         KM   PEORIA
1004         RS       3    FLOW     -1.
1005         RC    0.02   0.016    0.02   2540.  0.0027
1006         RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
1007         RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
1                                          HEC-1 INPUT                                                    PAGE 23

LINE         ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


1008         KK   SCR1S
1009         KM   RETRIEVAL OF STREET CAPACITY DIVERSION
1010         KM   CACTUS
1011         DR   SCR1S

1012         KK  R1932S
1013         KM   SUB-BASIN STREET ROUTE
1014         KM   SOUTH
1015         KM   RW= 170'
1016         KM   PAV= 113'
1017         RS       5    FLOW     -1.
1018         RC    0.02   0.016    0.02   5225.  0.0031
1019         RX       0     0.1    28.5    38.5   131.5   141.5    170.   170.1
1020         RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

1021         KK   19-32
1022         KM   SUB-BASIN 19-32
1023         KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
1024         KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .994
1025         KM     L = 1.40  Kb = .073  Adj. Slope =   18.0
1026         BA    .961
1027         LG    .260    .170   7.600    .120  26.000
1028         UC   1.275    .649
1029         UA       0       5      16      30      65      77      84      90      94      97
1030         UA     100

1031         KK   RET19
1032         KM   RETENTION BASIN DIVERSION
1033         KM   SUB-BASIN 19-32
1034         KM   10% OF SUB-BASIN DRAINS TO RETENTION BASIN
1035         DT  D1932R   10.06
1036         DI       0  10000.
1037         DQ       0   1000.

1038         KK   S59AW
1039         KM   RETRIEVAL OF STREET CAPACITY DIVERSION
1040         KM   59TH
1041         DR   S59AW
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1042          KK  R1932W
1043          KM   SUB-BASIN STREET ROUTE
1044          KM   WEST
1045          KM   RW= 220'
1046          KM   PAV= 148'
1047          RS       5    FLOW     -1.
1048          RC    0.02   0.016    0.02   5100.  0.0034
1049          RX       0     0.1    36.0    46.0   174.0   184.0    220.   220.1
1050          RY     4.0     0.0     0.0     0.0     0.0     0.0     4.0
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

1051          KK  C19-32
1052          KM   SUB-BASIN COMBINE
1053          HC       3   3.538

1054          KK  D1932S
1055          KM   SUB-BASIN DIVERSION
1056          KM   SUB-BASIN 19-32
1057          KM   42% West & 58% South
1058          DT  D1932W
1059          DI       0  10000.
1060          DQ       0   4200.

1061          KK   CPA2
1062          KM   EAST/WEST STREET COMBINE
1063          KM   PEORIA
1064          HC       2   3.538

1065          KK   SPA3W
1066          KM   STREET CAPACITY DIVERSION
1067          KM   PEORIA AVENUE
1068          KM   DIVERSION TO SOUTH
1069          DT   SPA3S
1070          DI       0     41.    119.   1656.   2825.
1071          DQ       0     0.1     60.   1004.   1705.

1072          KK   RPA5
1073          KM   STREET ROUTE
1074          KM   WEST
1075          KM   PEORIA
1076          RS       3    FLOW     -1.
1077          RC    0.02   0.016    0.02   2540.  0.0027
1078          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
1079          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

1080          KK   D67CR
1081          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
1082          KM   67TH & CACTUS
1083          DR   D67CR

1084          KK   R67C
1085          KM   STREET ROUTE
1086          KM   SOUTH
1087          KM   67TH Avenue
1088          RS       3    FLOW     -1.
1089          RC    0.02   0.016    0.02   2635.  0.0025
1090          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
1091          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

1092          KK  D1932W
1093          KM   RETRIEVAL OF SUB-BASIN DIVERSION
1094          KM   SUB-BASIN 19-32
```

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1095          DR  D1932W
1                                        HEC-1 INPUT                                                PAGE 25

LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


1096          KK   C67B
1097          KM   NORTH/SOUTH STREET COMBINE
1098          KM   67TH AVENUE
1099          HC       2   3.787

1100          KK   S67BS
1101          KM   STREET CAPACITY DIVERSION
1102          KM   67TH
1103          KM   DIVERSION TO WEST
1104          DT   S67BW
1105          DI       0     39.    127.   1808.   3082.
1106          DQ       0     0.1     71.   1190.   2021.

1107          KK   R67D
1108          KM   STREET ROUTE
1109          KM   SOUTH
1110          KM   67TH Avenue
1111          RS       3    FLOW     -1.
1112          RC    0.02   0.016    0.02   2635.  0.0024
1113          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
1114          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

1115          KK   CPA67
1116          KM   INTERSECTION COMBINE
1117          KM   PEORIA & 67TH
1118          HC       2   3.787

1119          KK   DPA67
1120          KM   STREET INTERSECTION DIVERSION
1121          KM   PEORIA & 67TH
1122          KM   70% West & 30% South
1123          DT   D67PA
1124          DI       0  10000.
1125          DQ       0   3000.

1126          KK   RPA6
1127          KM   STREET ROUTE
1128          KM   WEST
1129          KM   PEORIA
1130          RS       2    FLOW     -1.
1131          RC    0.02   0.016    0.02   2650.  0.0048
1132          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
1133          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

1134          KK   SCR2S
1135          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
1136          KM   CACTUS
1137          DR   SCR2S
1                                        HEC-1 INPUT                                                PAGE 26

LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


1138          KK  R2431S
1139          KM   SUB-BASIN STREET ROUTE
1140          KM   SOUTH
1141          KM   RW= 170'
1142          KM   PAV= 113'
1143          RS       5    FLOW     -1.
1144          RC    0.02   0.016    0.02   5230.  0.0036
```

```
1145        RX      0     0.1    28.5    38.5   131.5   141.5    170.   170.1
1146        RY    4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

1147        KK   24-31
1148        KM   SUB-BASIN 24-31
1149        KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
1150        KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .994
1151        KM     L = 1.33  Kb = .073  Adj. Slope =    3.0
1152        BA   1.007
1153        LG    .250    .160   8.400    .090  30.000
1154        UC   1.500    .726
1155        UA      0       5      16      30      65      77      84      90      94      97
1156        UA    100

1157        KK   RET24
1158        KM   RETENTION BASIN DIVERSION
1159        KM   SUB-BASIN 24-31
1160        KM   1% OF SUB-BASIN DRAINS TO RETENTION BASIN
1161        DT  D24-31    0.30
1162        DI      0  10000.
1163        DQ      0    100.

1164        KK   S67BW
1165        KM   RETRIEVAL OF STREET CAPACITY DIVERSION
1166        KM   67TH
1167        DR   S67BW

1168        KK  R2431W
1169        KM   SUB-BASIN STREET ROUTE
1170        KM   WEST
1171        KM   RW= 270'
1172        KM   PAV= 183'
1173        RS      6    FLOW     -1.
1174        RC    0.02   0.016    0.02   5310.  0.0029
1175        RX      0     0.1    43.5    53.5   216.5   226.5    270.   270.1
1176        RY    4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

1177        KK  C24-31
1178        KM   SUB-BASIN COMBINE
1179        HC      3     5.8

1180        KK  D2431S
1181        KM   SUB-BASIN DIVERSION
1182        KM   SUB-BASIN 24-31
1183        KM   47% West & 53% South
1184        DT  D2431W
1185        DI      0  10000.
```



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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

1186        DQ      0   4700.

1187        KK   CPA3
1188        KM   EAST/WEST STREET COMBINE
1189        KM   PEORIA
1190        HC      2     5.8

1191        KK   SPA4W
1192        KM   STREET CAPACITY DIVERSION
1193        KM   PEORIA
1194        KM   DIVERSION TO SOUTH
1195        DT   SPA4S
1196        DI      0    47.     99.   1487.   2557.
1197        DQ      0   0.1     32.    741.   1279.
```

```
1198        KK   RPA7
1199        KM   STREET ROUTE
1200        KM   WEST
1201        KM   PEORIA
1202        RS       3    FLOW     -1.
1203        RC    0.02   0.016    0.02   2650.  0.0022
1204        RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
1205        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

1206        KK   D75CR
1207        KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
1208        KM   75TH & CACTUS
1209        DR   D75CR

1210        KK   R75D
1211        KM   STREET ROUTE
1212        KM   SOUTH
1213        KM   75TH Avenue
1214        RS       3    FLOW     -1.
1215        RC    0.02   0.016    0.02   2600.  0.0025
1216        RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
1217        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

1218        KK  D2431W
1219        KM   RETRIEVAL OF SUB-BASIN DIVERSION
1220        KM   SUB-BASIN 24-31
1221        DR  D2431W

1222        KK   C75B
1223        KM   NORTH/SOUTH STREET COMBINE
1224        KM   75TH AVENUE
1225        HC       2     5.8

1226        KK   S75CS
1227        KM   STREET CAPACITY DIVERSION
1228        KM   75TH
1229        KM   DIVERSION TO WEST
1230        DT   S75CW
1231        DI       0     43.     86.   1252.   2152.
1232        DQ       0     0.1     24.    565.    975.
```



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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

1233        KK   R75E
1234        KM   STREET ROUTE
1235        KM   SOUTH
1236        KM   75TH Avenue
1237        RS       3    FLOW     -1.
1238        RC    0.02   0.016    0.02   2630.  0.0035
1239        RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
1240        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

1241        KK   CPA75
1242        KM   INTERSECTION COMBINE
1243        KM   PEORIA & 75TH
1244        HC       2     5.8

1245        KK   DPA75
1246        KM   TYPE B
1247        KM   STREET INTERSECTION DIVERSION
1248        KM   PEORIA & 75TH
1249        KM   DIVERSION TO SOUTH
1250        DT   D75PA
1251        DI       0     40.     86.   1123.   1918.
```

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1252        DQ      0     40.     58.    640.   1097.

1253        KK   RPA8
1254        KM   STREET ROUTE
1255        KM   WEST
1256        KM   PEORIA
1257        RS       3    FLOW     -1.
1258        RC    0.02   0.016    0.02   2650.  0.0026
1259        RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
1260        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

1261        KK   SCR3S
1262        KM   RETRIEVAL OF STREET CAPACITY DIVERSION
1263        KM   CACTUS
1264        DR   SCR3S

1265        KK  R23-31
1266        KM   SUB-BASIN STREET ROUTE
1267        KM   SOUTH
1268        KM   RW= 170'
1269        KM   PAV= 113'
1270        RS       5    FLOW     -1.
1271        RC    0.02   0.016    0.02   5220.  0.0042
1272        RX       0     0.1    28.5    38.5   131.5   141.5    170.   170.1
1273        RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

1274        KK   23-31
1275        KM   SUB-BASIN 23-31
1276        KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
1277        KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .994
1278        KM     L = 1.41  Kb = .062  Adj. Slope =   17.0
1279        BA   1.006
1280        LG    .230    .150  10.100    .040  28.000
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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

1281        UC   1.104    .542
1282        UA       0       5      16      30      65      77      84      90      94      97
1283        UA     100

1284        KK   RET23
1285        KM   RETENTION BASIN DIVERSION
1286        KM   SUB-BASIN 23-31
1287        KM   12% OF SUB-BASIN DRAINS TO RETENTION BASIN
1288        DT  D2331R    3.65
1289        DI       0  10000.
1290        DQ       0   1200.

1291        KK   S75CW
1292        KM   RETRIEVAL OF STREET CAPACITY DIVERSION
1293        KM   75TH
1294        DR   S75CW

1295        KK  R2331W
1296        KM   SUB-BASIN STREET ROUTE
1297        KM   WEST
1298        KM   RW= 220'
1299        KM   PAV= 148'
1300        RS       5    FLOW     -1.
1301        RC    0.02   0.016    0.02   5310.  0.0035
1302        RX       0     0.1    36.0    46.0   174.0   184.0    220.   220.1
1303        RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

1304        KK  C23-31
1305        KM   SUB-BASIN COMBINE
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1306          HC       3     8.1

1307          KK  D2331S
1308          KM   SUB-BASIN DIVERSION
1309          KM   SUB-BASIN 23-31
1310          KM   48% West & 52% South
1311          DT  D2331W
1312          DI       0  10000.
1313          DQ       0   4800.

1314          KK   CPA4
1315          KM   EAST/WEST STREET COMBINE
1316          KM   PEORIA
1317          HC       2     8.1

1318          KK   SPA5W
1319          KM   STREET CAPACITY DIVERSION
1320          KM   PEORIA AVENUE
1321          KM   DIVERSION TO SOUTH
1322          DT   SPA5S
1323          DI       0     38.     69.    950.   1633.
1324          DQ       0     0.1     15.    353.    609.
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

1325          KK   RPA9
1326          KM   STREET ROUTE
1327          KM   WEST
1328          KM   PEORIA
1329          RS       4    FLOW     -1.
1330          RC    0.02   0.016    0.02   2660.  0.0019
1331          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
1332          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

1333          KK   D83CR
1334          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
1335          KM   83RD & CACTUS
1336          DR   D83CR

1337          KK   R83D
1338          KM   STREET ROUTE
1339          KM   SOUTH
1340          KM   83RD Avenue
1341          RS       7    FLOW     -1.
1342          RC    0.02   0.016    0.02   5470.  0.0022
1343          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
1344          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

1345          KK  D2331W
1346          KM   RETRIEVAL OF SUB-BASIN DIVERSION
1347          KM   SUB-BASIN 23-31
1348          DR  D2331W

1349          KK   C83B
1350          KM   NORTH/SOUTH STREET COMBINE
1351          KM   83RD AVENUE
1352          HC       2     8.1

1353          KK   S83BS
1354          KM   STREET CAPACITY DIVERSION
1355          KM   83RD
1356          KM   DIVERSION TO WEST
1357          DT   S83BW
1358          DI       0     43.     86.   1252.   2152.
```

```
1359        DQ      0     0.1     24.    565.    975.

1360        KK   CPA83
1361        KM   INTERSECTION COMBINE
1362        KM   PEORIA & 83RD
1363        HC       2     8.1

1364        KK   DPA83
1365        KM   STREET INTERSECTION DIVERSION
1366        KM   PEORIA & 83RD
1367        KM   0% West & 100% South
1368        KM   DIVERSION SOUTH
1369        KM   STORM DRAIN ALONG PEORIA AVE
1370        KM   CAP=  96.0 CFS WEST
1371        DT   D83PA
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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

1372        DI      0     96.  10096.
1373        DQ      0     0.1  10000.

1374        KK  D2231S
1375        KM   RETRIEVAL OF SUB-BASIN DIVERSION
1376        KM   SUB-BASIN 22-31
1377        DR  D2231S

1378        KK   S83BW
1379        KM   RETRIEVAL OF STREET CAPACITY DIVERSION
1380        KM   83RD
1381        DR   S83BW

1382        KK  C2231E
1383        KM   SUB-BASIN COMBINE
1384        HC       2  11.583

1385        KK   RES22
1386        KM   PONDING AREA RESERVOIR ROUTE
1387        KM   SUB-BASIN 22-31E
1388        KM   PONDING AREA NORTHEAST OF GRAND AVENUE/RR EMBANKMENT
1389        RS       1    ELEV    1134
1390        SV       0    5.40    9.60   39.75
1391        SE   1134.   1136.  1136.5   1138.
1392        SQ      0.     0.1    970.  10990.
            *
            * PEORIA COMPUTATIONAL PATH WEST OF GRAND AVENUE
            *

1393        KK  R2231W
1394        KM   SUB-BASIN STREET ROUTE
1395        KM   WEST
1396        KM   RW= 100'
1397        KM   PAV= 70'
1398        RS       3    FLOW     -1.
1399        RC    0.02   0.016    0.02   3160.  0.0045
1400        RX       0     0.1    15.0    25.0    75.0    85.0    100.   100.1
1401        RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

1402        KK  22-31W
1403        KM   SUB-BASIN 22-31W
1404        KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
1405        KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .995
1406        KM     L =  .99  Kb = .065  Adj. Slope =   18.0
1407        BA    .764
1408        LG    .260    .150   8.800    .080  35.000
1409        UC    .875    .369
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1410        UA      0      5     16     30     65     77     84     90     94     97
1411        UA    100
```



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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

1412        KK  D2231B
1413        KM   SUB-BASIN DIVERSION
1414        KM   SUB-BASIN 22-31W
1415        KM   34% West & 66% South
1416        DT  D2231C
1417        DI       0  10000.
1418        DQ       0   3400.

1419        KK  C2231W
1420        KM   SUB-BASIN COMBINE
1421        HC       3  12.349

1422        KK   SPA6W
1423        KM   STREET CAPACITY DIVERSION
1424        KM   PEORIA AVENUE
1425        KM   DIVERSION TO SOUTH
1426        DT   SPA6S
1427        DI       0     46.    115.   1185.   2018.
1428        DQ       0    0.1     66.    367.    629.

1429        KK   RPA10
1430        KM   STREET ROUTE
1431        KM   WEST
1432        KM   PEORIA Avenue
1433        RS       3    FLOW     -1.
1434        RC    0.02   0.016    0.02   2680.  0.0024
1435        RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
1436        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

1437        KK   DPA91
1438        KM   STREET INTERSECTION DIVERSION
1439        KM   PEORIA & 91ST
1440        KM   38% West & 62% South
1441        KM   DIVERSION SOUTH
1442        KM   STORM DRAIN ALONG PEORIA AVE
1443        KM   CAP= 147.0 CFS WEST
1444        DT   D91PA
1445        DI       0    147.  10147.
1446        DQ       0     0.1   6200.

1447        KK  D2231C
1448        KM   RETRIEVAL OF SUB-BASIN DIVERSION
1449        KM   SUB-BASIN 22-31W
1450        DR  D2231C

1451        KK  R2231S
1452        KM   SUB-BASIN STREET ROUTE
1453        KM   SOUTH
1454        KM   RW= 210'
1455        KM   PAV= 138'
1456        RS       4    FLOW     -1.
1457        RC    0.02   0.016    0.02   4200.  0.0044
1458        RX       0     0.1    36.0    46.0   164.0   174.0    210.   210.1
1459        RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0
```



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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10
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```
1460          KK   CPA91
1461          KM   INTERSECTION COMBINE
1462          KM   PEORIA & 91ST
1463          HC       2  12.349
              *

1464          KK   NULL2
1465          KM    NULL COMBINE @ END OF PEORIA C.P.
1466          HC       2     1.
              *
              *  Olive Avenue Computation Path
              *

1467          KK  26-32W
1468          KM   SUB-BASIN 26-32W
1469          KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
1470          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .999
1471          KM     L =  .48  Kb = .078  Adj. Slope =   16.0
1472          BA    .086
1473          LG    .150    .220   4.800    .470  38.000
1474          UC    .688    .549
1475          UA       0       5      16      30      65      77      84      90      94      97
1476          UA     100

1477          KK   DOA35
1478          KM   STREET INTERSECTION DIVERSION
1479          KM   OLIVE & 35TH
1480          KM   31% West & 69% South
1481          KM   DIVERSION SOUTH
1482          KM   EXISTING STORM DRAIN ALONG 35TH AVENUE
1483          KM   CAP=  54 CFS SOUTH
1484          DT   D35OA
1485          DI       0     54.  10054.
1486          DQ       0     54.   6954.

1487          KK   ROA1
1488          KM   STREET ROUTE
1489          KM   WEST
1490          KM   OLIVE
1491          RS       4    FLOW     -1.
1492          RC    0.02   0.016    0.02   2650.  0.0017
1493          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
1494          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

1495          KK   27-32
1496          KM   SUB-BASIN 27-32
1497          KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
1498          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .996
1499          KM     L =  .62  Kb = .081  Adj. Slope =   18.0
1500          BA    .614
1501          LG    .240    .250   5.400    .280  35.000
1502          UC   1.558    .545
1503          UA       0       5      16      30      65      77      84      90      94      97
1504          UA     100
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

1505          KK  D2732S
1506          KM   SUB-BASIN DIVERSION
1507          KM   SUB-BASIN 27-32
1508          KM   47% West & 53% South
1509          DT  D2732W
1510          DI       0  10000.
1511          DQ       0   4700.
```

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1512          KK   COA1
1513          KM   EAST/WEST STREET COMBINE
1514          KM   OLIVE
1515          HC       2   0.699

1516          KK   SOA1W
1517          KM   STREET CAPACITY DIVERSION
1518          KM   OLIVE AVENUE
1519          KM   DIVERSION TO SOUTH
1520          DT   SOA1S
1521          DI       0     28.     60.   1043.   1789.
1522          DQ       0     0.1     24.    565.    975.

1523          KK   ROA2
1524          KM   STREET ROUTE
1525          KM   WEST
1526          KM   OLIVE
1527          RS       3    FLOW     -1.
1528          RC    0.02   0.016    0.02   2650.  0.0027
1529          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
1530          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

1531          KK  D2732W
1532          KM   RETRIEVAL OF SUB-BASIN DIVERSION
1533          KM   SUB-BASIN 27-32
1534          DR  D2732W

1535          KK   S43AS
1536          KM   STREET CAPACITY DIVERSION
1537          KM   43RD AVENUE
1538          KM   DIVERSION TO WEST
1539          DT   S43AW
1540          DI       0     35.     83.   1503.   2581.
1541          DQ       0     0.1     40.    918.   1584.

1542          KK   R43A
1543          KM   STREET ROUTE
1544          KM   SOUTH
1545          KM   43RD Avenue
1546          RS       4    FLOW     -1.
1547          RC    0.02   0.016    0.02   2600.  0.0015
1548          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
1549          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

1550          KK   COA43
1551          KM   INTERSECTION COMBINE
1552          KM   OLIVE & 43RD
1553          HC       2   0.699

1554          KK   DOA43
1555          KM   STREET INTERSECTION DIVERSION
1556          KM   OLIVE & 43RD
1557          KM   56% West & 44% South
1558          KM   DIVERSION SOUTH
1559          KM   EXISTING STORM DRAIN ALONG 43RD AVENUE
1560          KM   CAP=  81 CFS SOUTH
1561          DT   D43OA
1562          DI       0     81.  10081.
1563          DQ       0     81.   4481.

1564          KK   ROA3
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```
1565        KM   STREET ROUTE
1566        KM   WEST
1567        KM   OLIVE
1568        RS       2    FLOW     -1.
1569        RC    0.02   0.016    0.02   2640.  0.0039
1570        RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
1571        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

1572        KK   SPA1S
1573        KM   RETRIEVAL OF STREET CAPACITY DIVERSION
1574        KM   PEORIA
1575        DR   SPA1S

1576        KK  R2832S
1577        KM   SUB-BASIN STREET ROUTE
1578        KM   SOUTH
1579        KM   RW= 220'
1580        KM   PAV= 148'
1581        RS       5    FLOW     -1.
1582        RC    0.02   0.016    0.02   5190.  0.0031
1583        RX       0     0.1    36.0    46.0   174.0   184.0    220.   220.1
1584        RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

1585        KK   28-32
1586        KM   SUB-BASIN 28-32
1587        KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
1588        KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .994
1589        KM     L = 1.29  Kb = .075  Adj. Slope =   14.0
1590        BA    .995
1591        LG    .250    .150   7.300    .140  34.000
1592        UC   1.371    .646
1593        UA       0       5      16      30      65      77      84      90      94      97
1594        UA     100
```



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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

1595        KK   RET28
1596        KM   RETENTION BASIN DIVERSION
1597        KM   SUB-BASIN 28-32
1598        KM   4% OF SUB-BASIN DRAINS TO RETENTION BASIN
1599        DT  D28-32    4.50
1600        DI       0  10000.
1601        DQ       0    400.

1602        KK   S43AW
1603        KM   RETRIEVAL OF STREET CAPACITY DIVERSION
1604        KM   43RD
1605        DR   S43AW

1606        KK  R2832W
1607        KM   SUB-BASIN STREET ROUTE
1608        KM   WEST
1609        KM   RW= 270'
1610        KM   PAV= 183'
1611        RS       6    FLOW     -1.
1612        RC    0.02   0.016    0.02   5280.  0.0028
1613        RX       0     0.1    43.5    53.5   216.5   226.5    270.   270.1
1614        RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

1615        KK  C28-32
1616        KM   SUB-BASIN COMBINE
1617        HC       3   2.091

1618        KK  D2832S
```

```
1619          KM   SUB-BASIN DIVERSION
1620          KM   SUB-BASIN 28-32
1621          KM   34% West & 66% South
1622          DT  D2832W
1623          DI       0  10000.
1624          DQ       0   3400.

1625          KK   COA2
1626          KM   EAST/WEST STREET COMBINE
1627          KM   OLIVE
1628          HC       2   2.091

1629          KK   SOA2W
1630          KM   STREET CAPACITY DIVERSION
1631          KM   OLIVE
1632          KM   DIVERSION TO SOUTH
1633          DT   SOA2S
1634          DI       0     46.    104.   1369.   2337.
1635          DQ       0     0.1     38.    632.   1074.

1636          KK   RA04
1637          KM   STREET ROUTE
1638          KM   WEST
1639          KM   OLIVE
1640          RS       3    FLOW     -1.
1641          RC    0.02   0.016    0.02   2640.  0.0029
1                                          HEC-1 INPUT                                                    PAGE 37

LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

1642          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
1643          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

1644          KK   D51PA
1645          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
1646          KM   51ST & PEORIA
1647          DR   D51PA

1648          KK   R51B
1649          KM   STREET ROUTE
1650          KM   SOUTH
1651          KM   51ST Avenue
1652          RS       3    FLOW     -1.
1653          RC    0.02   0.016    0.02   2600.  0.0028
1654          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
1655          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

1656          KK  D2832W
1657          KM   RETRIEVAL OF SUB-BASIN DIVERSION
1658          KM   SUB-BASIN 28-32
1659          DR  D2832W

1660          KK   C51A
1661          KM   NORTH/SOUTH STREET COMBINE
1662          KM   51ST AVENUE
1663          HC       2   2.091

1664          KK   S51BS
1665          KM   STREET CAPACITY DIVERSION
1666          KM   51ST
1667          KM   DIVERSION TO WEST
1668          DT   S51BW
1669          DI       0     42.    142.   2045.   3484.
1670          DQ       0     0.1     82.   1375.   2337.

1671          KK   R51C
```

```
1672        KM   STREET ROUTE
1673        KM   SOUTH
1674        KM   51ST Avenue
1675        RS       3    FLOW     -1.
1676        RC    0.02   0.016    0.02   2590.  0.0028
1677        RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
1678        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

1679        KK   COA51
1680        KM   INTERSECTION COMBINE
1681        KM   OALIVE & 51ST
1682        HC       2   2.091

1683        KK   DOA51
1684        KM   STREET INTERSECTION DIVERSION
1685        KM   OLIVE & 51ST
1686        KM   50% West & 50% South
1687        KM   DIVERSION SOUTH
1688        KM   EXISTING STORM DRAIN ALONG OLIVE ROAD
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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

1689        KM   CAP= 350 CFS WEST
1690        DT   D510A
1691        DI       0    350.  10350.
1692        DQ       0     0.1   5000.

1693        KK   ROA5
1694        KM   STREET ROUTE
1695        KM   WEST
1696        KM   OLIVE
1697        RS       2    FLOW     -1.
1698        RC    0.02   0.016    0.02   2620.  0.0039
1699        RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
1700        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

1701        KK   SPA2S
1702        KM   RETRIEVAL OF STREET CAPACITY DIVERSION
1703        KM   CACTUS
1704        DR   SPA2S

1705        KK  R2932S
1706        KM   SUB-BASIN STREET ROUTE
1707        KM   SOUTH
1708        KM   RW= 270'
1709        KM   PAV= 183'
1710        RS       6    FLOW     -1.
1711        RC    0.02   0.016    0.02   5220.  0.0030
1712        RX       0     0.1    43.5    53.5   216.5   226.5    270.   270.1
1713        RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

1714        KK   29-32
1715        KM   SUB-BASIN 29-32
1716        KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
1717        KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .994
1718        KM     L = 1.33  Kb = .077  Adj. Slope =   17.0
1719        BA    .993
1720        LG    .260    .150   8.800    .070  30.000
1721        UC   1.267    .607
1722        UA       0       5      16      30      65      77      84      90      94      97
1723        UA     100

1724        KK   RET29
1725        KM   RETENTION BASIN DIVERSION
1726        KM   SUB-BASIN 29-32
```


1K/4PRINT

```
1727          KM   10% OF SUB-BASIN DRAINS TO RETENTION BASIN
1728          DT  D2932R    5.10
1729          DI       0  10000.
1730          DQ       0   1000.

1731          KK   S51BW
1732          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
1733          KM   51ST
1734          DR   S51BW
```



```
LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


1735          KK  R2932W
1736          KM   SUB-BASIN STREET ROUTE
1737          KM   WEST
1738          KM   RW= 320'
1739          KM   PAV= 218'
1740          RS       5    FLOW     -1.
1741          RC    0.02   0.016    0.02   5260.  0.0038
1742          RX       0     0.1    51.0    61.0   259.0   269.0    320.   320.1
1743          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

1744          KK  C29-32
1745          KM   SUB-BASIN COMBINE
1746          HC       3   4.070

1747          KK  D2932S
1748          KM   SUB-BASIN DIVERSION
1749          KM   SUB-BASIN 29-32
1750          KM   35% West & 65% South
1751          DT  D2932W
1752          DI       0  10000.
1753          DQ       0   3500.

1754          KK   COA3
1755          KM   EAST/WEST STREET COMBINE
1756          KM   OLIVE
1757          HC       2   4.070

1758          KK   SOA3W
1759          KM   STREET CAPACITY DIVERSION
1760          KM   OLIVE
1761          KM   DIVERSION TO SOUTH
1762          KM   STORM DRAIN ALONG OLIVE AVENUE
1763          KM   CAP= 380.0 CFS
1764          DT   SOA3S
1765          DI       0    427.    506.   2122.   3352.
1766          DQ       0     0.1     60.   1004.   1705.

1767          KK   ROA6
1768          KM   STREET ROUTE
1769          KM   WEST
1770          KM   OLIVE
1771          RS       3    FLOW     -1.
1772          RC    0.02   0.016    0.02   2630.  0.0030
1773          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
1774          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

1775          KK   D59PA
1776          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
1777          KM   59TH & PEORIA
1778          DR   D59PA
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

1779          KK   R59C
1780          KM   STREET ROUTE
1781          KM   SOUTH
1782          KM   59TH Avenue
1783          RS       3    FLOW     -1.
1784          RC    0.02   0.016    0.02   2600.  0.0023
1785          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
1786          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

1787          KK  D2932W
1788          KM   RETRIEVAL OF SUB-BASIN DIVERSION
1789          KM   SUB-BASIN 29-32
1790          DR  D2932W

1791          KK   C59B
1792          KM   NORTH/SOUTH STREET COMBINE
1793          KM   59TH AVENUE
1794          HC       2   4.354

1795          KK   S59BS
1796          KM   STREET CAPACITY DIVERSION
1797          KM   59TH
1798          KM   DIVERSION TO WEST
1799          DT   S59BW
1800          DI       0     37.     79.   1029.   1758.
1801          DQ       0     0.1     27.    446.    758.

1802          KK   RR59D
1803          KM   STREET ROUTE
1804          KM   SOUTH
1805          KM   59TH Avenue
1806          RS       3    FLOW     -1.
1807          RC    0.02   0.016    0.02   2600.  0.0020
1808          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
1809          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

1810          KK   COA59
1811          KM   INTERSECTION COMBINE
1812          KM   OLIVE & 59TH
1813          HC       2   4.354

1814          KK   DOA59
1815          KM   STREET INTERSECTION DIVERSION
1816          KM   OLIVE & 59TH
1817          KM   50% West & 50% South
1818          KM   DIVERSION SOUTH
1819          KM   EXISTING STORM DRAIN ALONG OLIVE AVENUE
1820          KM   CAP= 380 CFS WEST
1821          DT   D590A
1822          DI       0    380.  10380.
1823          DQ       0     0.1   5000.
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

1824          KK   ROA7
1825          KM   STREET ROUTE
1826          KM   WEST
1827          KM   OLIVE
1828          RS       2    FLOW     -1.
1829          RC    0.02   0.016    0.02   2630.  0.0040
1830          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
```


K/7 4PRINT

```
1831          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

1832          KK   SPA3S
1833          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
1834          KM   PEORIA
1835          DR   SPA3S

1836          KK  R3032S
1837          KM   SUB-BASIN STREET ROUTE
1838          KM   SOUTH
1839          KM   RW= 220'
1840          KM   PAV= 148'
1841          RS       6    FLOW     -1.
1842          RC    0.02   0.016    0.02   5220.  0.0028
1843          RX       0     0.1    36.0    46.0   174.0   184.0    220.   220.1
1844          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

1845          KK   30-32
1846          KM   SUB-BASIN 30-32
1847          KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
1848          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .994
1849          KM     L = 1.15  Kb = .075  Adj. Slope =   16.0
1850          BA    .960
1851          LG    .240    .160   8.400    .090  33.000
1852          UC   1.158    .499
1853          UA       0       5      16      30      65      77      84      90      94      97
1854          UA     100

1855          KK   RET30
1856          KM   RETENTION BASIN DIVERSION
1857          KM   SUB-BASIN 30-32
1858          KM   8% OF SUB-BASIN DRAINS TO RETENTION BASIN
1859          DT  D3032R   18.04
1860          DI       0  10000.
1861          DQ       0    800.

1862          KK   S59BW
1863          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
1864          KM   59TH
1865          DR   S59BW

1866          KK  R3032W
1867          KM   SUB-BASIN STREET ROUTE
1868          KM   WEST
1869          KM   RW= 50'
1870          KM   PAV= 35'
1871          RS       5    FLOW     -1.
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

1872          RC    0.02   0.016    0.02   5070.  0.0032
1873          RX       0     0.1     7.5    17.5    32.5    42.5     50.    50.1
1874          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

1875          KK  C30-32
1876          KM   SUB-BASIN COMBINE
1877          HC       3   7.180

1878          KK  D3032S
1879          KM   SUB-BASIN DIVERSION
1880          KM   SUB-BASIN 30-32
1881          KM   42% West & 58% South
1882          DT  D3032W
1883          DI       0  10000.
1884          DQ       0   4200.
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1885          KK   COA4
1886          KM   EAST/WEST STREET COMBINE
1887          KM   OLIVE
1888          HC       2   7.180

1889          KK   SOA4W
1890          KM   STREET CAPACITY DIVERSION
1891          KM   OLIVE
1892          KM   DIVERSION TO SOUTH
1893          KM   STORM DRAIN ALONG OLIVE ROAD
1894          KM   CAP= 520.0 CFS
1895          DT   SOA4S
1896          DI       0    568.    626.   1915.   2902.
1897          DQ       0     0.1     38.    632.   1074.

1898          KK   ROA8
1899          KM   STREET ROUTE
1900          KM   WEST
1901          KM   OLIVE
1902          RS       2    FLOW     -1.
1903          RC    0.02   0.016    0.02   2430.  0.0033
1904          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
1905          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

1906          KK   D67PA
1907          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
1908          KM   67TH & PEORIA
1909          DR   D67PA

1910          KK   R67E
1911          KM   STREET ROUTE
1912          KM   SOUTH
1913          KM   67TH Avenue
1914          RS       3    FLOW     -1.
1915          RC    0.02   0.016    0.02   2620.  0.0032
1916          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
1917          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

1918          KK  D3032W
1919          KM   RETRIEVAL OF SUB-BASIN DIVERSION
1920          KM   SUB-BASIN 30-32
1921          DR  D3032W

1922          KK   C67C
1923          KM   NORTH/SOUTH STREET COMBINE
1924          KM   67TH AVENUE
1925          HC       2   7.429

1926          KK   S67CS
1927          KM   STREET CAPACITY DIVERSION
1928          KM   67TH
1929          KM   DIVERSION TO WEST
1930          DT   S67CW
1931          DI       0     44.    112.   1515.   2585.
1932          DQ       0     0.1     49.    818.   1389.

1933          KK   R67F
1934          KM   STREET ROUTE
1935          KM   SOUTH
1936          KM   67TH Avenue
1937          RS       3    FLOW     -1.
```

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1938          RC    0.02   0.016    0.02   2620.  0.0029
1939          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
1940          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

1941          KK   COA67
1942          KM   INTERSECTION COMBINE
1943          KM   OLIVE & 67TH
1944          HC       2   7.429

1945          KK   DOA67
1946          KM   STREET INTERSECTION DIVERSION
1947          KM   OLIVE & 67TH
1948          KM   43% West & 57% South
1949          KM   DIVERSION SOUTH
1950          KM   EXISTING STORM DRAIN ALONG OLIVE AVENUE
1951          KM   CAP= 750 CFS WEST
1952          DT   D670A
1953          DI       0    750.  10750.
1954          DQ       0     0.1   5700.

1955          KK   ROA9
1956          KM   STREET ROUTE
1957          KM   WEST
1958          KM   OLIVE
1959          RS       3    FLOW     -1.
1960          RC    0.02   0.016    0.02   2640.  0.0037
1961          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
1962          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

1963          KK   SPA4S
1964          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
1965          KM   PEORIA
1966          DR   SPA4S

1967          KK  R2531S
1968          KM   SUB-BASIN STREET ROUTE
1969          KM   SOUTH
1970          KM   RW= 220'
1971          KM   PAV= 148'
1972          RS       6    FLOW     -1.
1973          RC    0.02   0.016    0.02   5220.  0.0025
1974          RX       0     0.1    36.0    46.0   174.0   184.0    220.   220.1
1975          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

1976          KK   25-31
1977          KM   SUB-BASIN 25-31
1978          KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
1979          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .994
1980          KM     L = 1.42  Kb = .067  Adj. Slope =   19.0
1981          BA   1.005
1982          LG    .240    .170   9.700    .060  29.000
1983          UC   1.138    .564
1984          UA       0       5      16      30      65      77      84      90      94      97
1985          UA     100

1986          KK   RET25
1987          KM   RETENTION BASIN DIVERSION
1988          KM   SUB-BASIN 25-31
1989          KM   11% OF SUB-BASIN DRAINS TO RETENTION BASIN
1990          DT  D2531R   72.80
1991          DI       0  10000.
1992          DQ       0   1100.
```

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1993        KK   S67CW
1994        KM   RETRIEVAL OF STREET CAPACITY DIVERSION
1995        KM   67TH
1996        DR   S67CW

1997        KK  R2531W
1998        KM   SUB-BASIN STREET ROUTE
1999        KM   WEST
2000        KM   RW= 270'
2001        KM   PAV= 183'
2002        RS       5    FLOW     -1.
2003        RC    0.02   0.016    0.02   5290.  0.0038
2004        RX       0     0.1    43.5    53.5   216.5   226.5    270.   270.1
2005        RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0
```



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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

2006        KK  C25-31
2007        KM   SUB-BASIN COMBINE
2008        HC       3  11.463

2009        KK  D2531S
2010        KM   SUB-BASIN DIVERSION
2011        KM   SUB-BASIN 25-31
2012        KM   47% West & 53% South
2013        DT  D2531W
2014        DI       0  10000.
2015        DQ       0   4700.

2016        KK   COA5
2017        KM   EAST/WEST STREET COMBINE
2018        KM   OLIVE
2019        HC       2  11.463

2020        KK   SOA5W
2021        KM   STREET CAPACITY DIVERSION
2022        KM   OLIVE
2023        KM   DIVERSION TO SOUTH
2024        KM   STORM DRAIN ALONG OLIVE AVENUE
2025        KM   CAP= 262.0 CFS
2026        DT   SOA5S
2027        DI       0    307.    341.   1325.   2088.
2028        DQ       0     0.1     15.    353.    609.

2029        KK   RES25
2030        KM   SURCHARGE BASIN DIVERSION
2031        KM   FOR THE OLIVE AVENUE STORM DRAIN SYSTEM AT ABOUT 72ND AVENUE
2032        KM   PEAK DISCHARGE CAPACITY OF DIVERSION PIPE = 589 CFS
2033        DT  RES25O   94.00    589.
2034        DI       0    589.  10000.
2035        DQ       0    589.    589.

2036        KK   ROA10
2037        KM   STREET ROUTE
2038        KM   WEST
2039        KM   OLIVE
2040        RS       3    FLOW     -1.
2041        RC    0.02   0.016    0.02   2640.  0.0026
2042        RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
2043        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

2044        KK   D75PA
2045        KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
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2046          KM   75TH & PEORIA
2047          DR   D75PA
1                                          HEC-1 INPUT                                          PAGE 46

LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


2048          KK   R75F
2049          KM   STREET ROUTE
2050          KM   SOUTH
2051          KM   75TH Avenue
2052          RS       3    FLOW     -1.
2053          RC    0.02   0.016    0.02   2620.  0.0039
2054          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
2055          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

2056          KK  D2531W
2057          KM   RETRIEVAL OF SUB-BASIN DIVERSION
2058          KM   SUB-BASIN 25-31
2059          DR  D2531W

2060          KK   C75C
2061          KM   NORTH/SOUTH STREET COMBINE
2062          KM   75TH AVENUE
2063          HC       2  11.463

2064          KK   S75DS
2065          KM   STREET CAPACITY DIVERSION
2066          KM   75TH
2067          KM   DIVERSION TO WEST
2068          DT   S75DW
2069          DI       0     41.     98.   1571.   2703.
2070          DQ       0     0.1     40.    918.   1584.

2071          KK   R75G
2072          KM   STREET ROUTE
2073          KM   SOUTH
2074          KM   75TH Avenue
2075          RS       3    FLOW     -1.
2076          RC    0.02   0.016    0.02   2280.  0.0025
2077          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
2078          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

2079          KK   COA75
2080          KM   INTERSECTION COMBINE
2081          KM   OLIVE & 75TH
2082          HC       2  11.463

2083          KK   DOA75
2084          KM   STREET INTERSECTION DIVERSION
2085          KM   OLIVE & 75TH
2086          KM   0% West & 100% South
2087          KM   DIVERSION SOUTH
2088          KM   EXISTING STORM DRAIN ALONG OLIVE AVENUE
2089          KM   CAP= 392 CFS WEST
2090          DT   D75OA
2091          DI       0    392.  10392.
2092          DQ       0     0.1  10000.
1                                          HEC-1 INPUT                                          PAGE 47

LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


2093          KK   SPA5S
2094          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
2095          KM   PEORIA AVENUE
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2096          DR   SPA5S

2097          KK  26-31E
2098          KM   SUB-BASIN 26-31E
2099          KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
2100          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .997
2101          KM     L =  .77  Kb = .041  Adj. Slope =   24.0
2102          BA    .461
2103          LG    .210    .180  10.100    .040  21.000
2104          UC    .458    .196
2105          UA       0       5      16      30      65      77      84      90      94      97
2106          UA     100

2107          KK   RET26
2108          KM   RETENTION BASIN DIVERSION
2109          KM   SUB-BASIN 26-31E
2110          KM   29% OF SUB-BASIN DRAINS TO RETENTION BASIN
2111          DT  D2631R    5.40
2112          DI       0  10000.
2113          DQ       0   2900.

2114          KK  C2631E
2115          KM   SUB-BASIN COMBINE
2116          HC       2  15.223

2117          KK  D2631E
2118          KM   SUB-BASIN DIVERSION
2119          KM   SUB-BASIN 26-31E
2120          KM   35% NORTHWEST & 65% SOUTHEAST
2121          KM   DIVERSION IS TO THE NORTHWEST
2122          KM   MAIN COMPUTATION PATH IS TO THE SOUTHWEST
2123          DT  D2631N
2124          DI       0  10000.
2125          DQ       0   3500.

2126          KK   S75DW
2127          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
2128          KM   75TH AVENUE
2129          DR   S75DW

2130          KK  C2631S
2131          KM   SUB-BASIN COMBINE (C26-31S)
2132          HC       3  15.223

2133          KK  RES26S
2134          KM   PONDING AREA RESERVOIR ROUTE
2135          KM   SUB-BASIN 26-31E
2136          KM   PONDING AREA NORTHEAST OF GRAND AVENUE/RR EMBANKMENT
2137          KM   OUTFLOW REPRESENTS BOTH FLOW WEST (OVER THE RR EMBANKEMENT) AND
2138          KM   FLOW SOUTH OVER OLIVE AVENUE
2139          RS       1    ELEV   1132.
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

2140          SV       0    3.40   27.60   56.80   99.80  129.13  243.28
2141          SE    1132.   1134.   1136.   1137.   1138.  1138.5   1140.
2142          SQ       0     0.1     0.2     0.3   2170.   4810.  51070.

2143          KK   D26AW
2144          KM   DIVERSION OF FLOW SOUTH OVER OLIVE AVENUE TO SUB-BASIN 36-31
2145          DT   D26AS
2146          DI       0   2170.   4810.
2147          DQ       0   2170.   4160.
              *
              * CONTINUATION OF OLIVE AVENUE COMPUTATIONAL PATH
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2148            KK  26-31W
2149            KM   SUB-BASIN 26-31W
2150            KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
2151            KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .997
2152            KM     L =  .51  Kb = .075  Adj. Slope =   14.0
2153            BA    .541
2154            LG    .410    .130  10.100    .050  12.000
2155            UC    .675    .198
2156            UA       0       5      16      30      65      77      84      90      94      97
2157            UA     100

2158            KK  D2631S
2159            KM   SUB-BASIN DIVERSION
2160            KM   SUB-BASIN 26-31W
2161            KM   54% West & 46% South
2162            DT  D2631N
2163            DI       0  10000.
2164            DQ       0   5400.

2165            KK    COA6
2166            KM   EAST/WEST STREET COMBINE
2167            HC       2  15.763

2168            KK   SOA6W
2169            KM   STREET CAPACITY DIVERSION
2170            KM   OLIVE  AVENUE
2171            KM   DIVERSION TO SOUTH
2172            KM   STORM DRAIN ALONG OLIVE AVENUE
2173            KM   CAP= 427.0 CFS
2174            DT   SOA6S
2175            DI       0    468.    502.   1464.   2210.
2176            DQ       0     0.1     17.    388.    670.

2177            KK   RES26
2178            KM   SURCHARGE BASIN DIVERSION
2179            KM   FOR THE OLIVE AVENUE STORM DRAIN SYSTEM AT ABOUT 79TH AVENUE
2180            KM   PEAK DISCHARGE CAPACITY OF DIVERSION PIPE = 134 CFS
2181            DT  RES260    32.8    134.
2182            DI       0    134.  10000.
2183            DQ       0    134.    134.
1                                          HEC-1 INPUT                                          PAGE 49

LINE            ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


2184            KK   ROA11
2185            KM   STREET ROUTE
2186            KM   WEST
2187            KM   OLIVE Avenue
2188            RS       4    FLOW     -1.
2189            RC    0.02   0.016    0.02   2660.  0.0016
2190            RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
2191            RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

2192            KK   D83PA
2193            KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
2194            KM   PEORIA & 83RD
2195            DR   D83PA

2196            KK  D2631N
2197            KM   RETRIEVAL OF SUB-BASIN DIVERSION
2198            KM   SUB-BASIN 26-31E
2199            DR  D2631N
```

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2200          KK  C2631N
2201          KM   SUB-BASIN COMBINE (C26-31N)
2202          HC       2  15.223

2203          KK  RES26N
2204          KM   PONDING AREA RESERVOIR ROUTE
2205          KM   PONDING AREA NORTHEAST OF GRAND AVENUE/RR EMBANKMENT
2206          KM   SUB-BASIN 26-31
2207          RS       1    ELEV   1136.
2208          SV       0    2.81   35.11   72.11   86.13   96.24  106.94  124.13
2209          SE   1136.   1138.   1140.   1141.  1141.3  1141.5  1141.7   1142.
2210          SQ       0     0.1     0.2     0.3     0.4    100.    160.    970.

2211          KK  R2631W
2212          KM   SUB-BASIN STREET ROUTE
2213          KM   WEST
2214          KM   RW= 100'
2215          KM   PAV= 70'
2216          RS       2    FLOW     -1.
2217          RC    0.02   0.016    0.02   2310.  0.0049
2218          RX       0     0.1    15.0    25.0    75.0    85.0    100.   100.1
2219          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

2220          KK  D2631N
2221          KM   RETRIEVAL OF SUB-BASIN DIVERSION
2222          KM   SUB-BASIN 26-31W
2223          DR  D2631N

2224          KK  C2631W
2225          KM   SUB-BASIN COMBINE
2226          HC       2  15.763
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

2227          KK   S83CS
2228          KM   STREET CAPACITY DIVERSION
2229          KM   83RD AVENUE
2230          KM   DIVERSION TO WEST
2231          DT   S83CW
2232          DI       0     44.     80.   1091.   1876.
2233          DQ       0     0.1     17.    388.    670.

2234          KK    R83E
2235          KM   STREET ROUTE
2236          KM   SOUTH
2237          KM   83RD Avenue
2238          RS       3    FLOW     -1.
2239          RC    0.02   0.016    0.02   2640.  0.0025
2240          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
2241          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

2242          KK   COA83
2243          KM   INTERSECTION COMBINE
2244          KM   OLIVE & 83RD
2245          HC       2  15.763

2246          KK   DOA83
2247          KM   STREET INTERSECTION DIVERSION
2248          KM   OLIVE & 83RD
2249          KM   52% West & 48% South
2250          KM   DIVERSION TO THE SOUTH
2251          KM   EXISTING STORM DRAIN SYSTEM ALONG OLIVE AVENUE
2252          KM   CAPACITY = 397 CFS WEST
2253          DT   D83OA
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2254          DI       0    397.  10000.
2255          DQ       0     0.1   4800.

2256          KK   ROA12
2257          KM   STREET ROUTE
2258          KM   WEST
2259          KM   OLIVE Avenue
2260          RS       3    FLOW     -1.
2261          RC    0.02   0.016    0.02   2660.  0.0022
2262          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
2263          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

2264          KK   SPA6S
2265          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
2266          KM   PEORIA
2267          DR   SPA6S

2268          KK  R2731S
2269          KM   SUB-BASIN STREET ROUTE
2270          KM   SOUTH
2271          KM   RW= 170'
2272          KM   PAV= 113'
2273          RS       7    FLOW     -1.
2274          RC    0.02   0.016    0.02   5240.  0.0017
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

2275          RX       0     0.1    28.5    38.5   131.5   141.5    170.   170.1
2276          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

2277          KK   27-31
2278          KM   SUB-BASIN 27-31
2279          KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
2280          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .994
2281          KM     L = 1.42  Kb = .072  Adj. Slope =   16.0
2282          BA   1.013
2283          LG    .330    .160   9.700    .060  20.000
2284          UC   1.313    .658
2285          UA       0       5      16      30      65      77      84      90      94      97
2286          UA     100

2287          KK   S83CW
2288          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
2289          KM   83RD
2290          DR   S83CW

2291          KK  R2731W
2292          KM   SUB-BASIN STREET ROUTE
2293          KM   WEST
2294          KM   RW= 170'
2295          KM   PAV= 113'
2296          RS       6    FLOW     -1.
2297          RC    0.02   0.016    0.02   5280.  0.0031
2298          RX       0     0.1    28.5    38.5   131.5   141.5    170.   170.1
2299          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

2300          KK  C27-31
2301          KM   SUB-BASIN COMBINE
2302          HC       3  18.053

2303          KK  D2731S
2304          KM   SUB-BASIN DIVERSION
2305          KM   SUB-BASIN 27-31
2306          KM   35% West & 65% South
2307          DT  D2731W
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2308          DI       0  10000.
2309          DQ       0   3500.

2310          KK    COA7
2311          KM   EAST/WEST STREET COMBINE
2312          KM   OLIVE  AVENUE
2313          HC       2  18.053

2314          KK   SOA7W
2315          KM   STREET CAPACITY DIVERSION
2316          KM   OLIVE  AVENUE
2317          KM   DIVERSION TO SOUTH
2318          KM   STORM DRAIN ALONG OLIVE AVENUE
2319          KM   CAP= 546.0 CFS
2320          DT   SOA7S
2321          DI       0    586.    628.   1747.   2611.
2322          DQ       0     0.1     24.    565.    975.
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

2323          KK   ROA13
2324          KM   STREET ROUTE
2325          KM   WEST
2326          RS       3    FLOW     -1.
2327          RC    0.02   0.016    0.02   2650.  0.0029
2328          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
2329          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

2330          KK   D91PA
2331          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
2332          KM   91ST & PEORIA
2333          DR   D91PA

2334          KK    R91A
2335          KM   STREET ROUTE
2336          KM   SOUTH
2337          KM   91ST Avenue
2338          RS       3    FLOW     -1.
2339          RC    0.02   0.016    0.02   2600.  0.0025
2340          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
2341          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

2342          KK  D2731W
2343          KM   RETRIEVAL OF SUB-BASIN DIVERSION
2344          KM   SUB-BASIN 27-31
2345          DR  D2731W

2346          KK    C91A
2347          KM   NORTH/SOUTH STREET COMBINE
2348          KM   91ST AVENUE
2349          HC       2  18.053

2350          KK   S91AS
2351          KM   STREET CAPACITY DIVERSION
2352          KM   91ST
2353          KM   DIVERSION TO WEST
2354          DT   S91AW
2355          DI       0     35.     58.    731.   1256.
2356          DQ       0     0.1      8.    177.    305.

2357          KK    R91B
2358          KM   STREET ROUTE
2359          KM   SOUTH
2360          KM   91ST Avenue
```


K/14-PRINT

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2361        RS       4    FLOW     -1.
2362        RC    0.02   0.016    0.02   2640.  0.0014
2363        RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
2364        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

2365        KK   COA91
2366        KM   INTERSECTION COMBINE
2367        KM   OLIVE & 91ST
2368        HC       2  18.053

2369        KK   DOA91
2370        KM   STREET INTERSECTION DIVERSION
2371        KM   OLIVE & 91ST
2372        KM   52% West & 48% South
2373        KM   DIVERSION TO THE SOUTH
2374        KM   EXISTING STORM DRAIN SYSTEM ALONG OLIVE AVENUE
2375        KM   CAPACITY = 546 CFS WEST
2376        DT   D910A
2377        DI       0    546.  10546.
2378        DQ       0     0.1   4800.

2379        KK   28-31
2380        KM   SUB-BASIN 28-31
2381        KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
2382        KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .999
2383        KM     L =  .97  Kb = .095  Adj. Slope =   25.0
2384        BA    .141
2385        LG    .470    .150   8.800    .090   5.000
2386        UC   1.029   1.139
2387        UA       0       5      16      30      65      77      84      90      94      97
2388        UA     100

2389        KK   S91AW
2390        KM   RETRIEVAL OF STREET CAPACITY DIVERSION
2391        KM   91ST AVENUE
2392        DR   S91AW

2393        KK   R2831
2394        KM   SUB-BASIN STREET ROUTE
2395        KM   RW= 50'
2396        KM   PAV= 35'
2397        RS       1    FLOW     -1.
2398        RC    0.02   0.016    0.02   2790.  0.0076
2399        RX       0     0.1     7.5    17.5    32.5    42.5     50.    50.1
2400        RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

2401        KK  C28-31
2402        KM   SUB-BASIN COMBINE
2403        HC       3  18.194

2404        KK  RADOT2
2405        KM   AGUA FRIA FRWY CHANNEL ROUTE
2406        KM   SOUTH
2407        KM   BOTTOM WIDTH = 30'
2408        KM   TOP WIDTH =  70'
2409        KM   DEPTH = 10'
2410        KM   SIDE SLOPES = 2:1
2411        RS       2    FLOW     -1.
2412        RC   0.016   0.016   0.016   5900.  0.0035
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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10
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2413          RX       0     10.    15.0    20.0    50.0    55.0    60.0    70.0
2414          RY    10.0      5.     2.5     0.0     0.0     2.5      5.    10.0
              *
              * NORTHERN AVENUE COMPUTATION PATH
              *

2415          KK   36-32
2416          KM   SUB-BASIN 36-32
2417          KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
2418          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .999
2419          KM     L =  .57  Kb = .077  Adj. Slope =   25.0
2420          BA    .114
2421          LG    .210    .150   8.800    .080  57.000
2422          UC    .567    .433
2423          UA       0       5      16      30      65      77      84      90      94      97
2424          UA     100

2425          KK   DNA27
2426          KM   STREET INTERSECTION DIVERSION
2427          KM   NORTHERN & 27TH
2428          KM   0% West & 100% South
2429          KM   DIVERSION SOUTH
2430          KM   EXISTING STORM DRAIN ALONG 27TH AVENUE
2431          KM   CAP= 104 CFS SOUTH
2432          DT   D27NA
2433          DI       0  10000.
2434          DQ       0  10000.

2435          KK  26-32E
2436          KM   SUB-BASIN 26-32E
2437          KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
2438          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .999
2439          KM     L =  .61  Kb = .029  Adj. Slope =   20.0
2440          BA    .107
2441          LG    .080    .200   6.000    .260  84.000
2442          UC    .342    .270
2443          UA       0       5      16      30      65      77      84      90      94      97
2444          UA     100

2445          KK  R3532S
2446          KM   SUB-BASIN STREET ROUTE
2447          KM   SOUTH
2448          KM   RW= 220'
2449          KM   PAV= 148'
2450          RS       5    FLOW     -1.
2451          RC    0.02   0.016    0.02   5220.  0.0040
2452          RX       0     0.1    36.0    46.0   174.0   184.0    220.   220.1
2453          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

2454          KK   35-32
2455          KM   SUB-BASIN 35-32
2456          KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
2457          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .994
2458          KM     L = 1.15  Kb = .075  Adj. Slope =   22.0
2459          BA    .989
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

2460          LG    .240    .250   5.800    .240  38.000
2461          UC   1.067    .447
2462          UA       0       5      16      30      65      77      84      90      94      97
2463          UA     100

2464          KK  D3532S
```

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2465          KM   SUB-BASIN DIVERSION
2466          KM   SUB-BASIN 35-32
2467          KM   33% West & 67% South
2468          DT  D3532W
2469          DI       0  10000.
2470          DQ       0   3300.

2471          KK  C35-32
2472          KM   SUB-BASIN COMBINE
2473          HC       3   1.094

2474          KK   SNA1W
2475          KM   STREET CAPACITY DIVERSION
2476          KM   NORTHERN AVENUE
2477          KM   0% WEST & 100% SOUTH
2478          KM   DIVERSION TO SOUTH
2479          KM   COMPUTATION PATH IS TO THE WEST
2480          KM   EXISTING STORM DRAIN SYSTEMS
2481          KM   CAPACITY= 61 CFS SOUTH
2482          DT   SNA1S
2483          DI       0  10000.
2484          DQ       0  10000.

2485          KK   D35OA
2486          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
2487          KM   OLIVE & 35TH
2488          DR   D35OA

2489          KK   R35A
2490          KM   STREET ROUTE
2491          KM   SOUTH
2492          KM   35TH Avenue
2493          RS       2    FLOW     -1.
2494          RC    0.02   0.016    0.02   2600.  0.0042
2495          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
2496          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

2497          KK  D3532W
2498          KM   RETRIEVAL OF SUB-BASIN DIVERSION
2499          KM   SUB-BASIN 35-32
2500          DR  D3532W

2501          KK   C35A
2502          KM   NORTH/SOUTH STREET COMBINE
2503          KM   35TH AVENUE
2504          HC       2   1.074
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

2505          KK   S35AS
2506          KM   STREET CAPACITY DIVERSION
2507          KM   35TH AVENUE
2508          KM   DIVERSION TO WEST
2509          KM   EXISTING STORM DRAIN ALONG 35TH AVENUE
2510          KM   CAP=  81 CFS SOUTH
2511          DT   S35AW
2512          DI       0    118.    205.   2502.   4246.
2513          DQ       0     0.1     78.   1800.   3106.

2514          KK   R35B
2515          KM   STREET ROUTE
2516          KM   SOUTH
2517          KM   35TH Avenue
2518          RS       3    FLOW     -1.
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2519        RC    0.02   0.016    0.02   2600.  0.0032
2520        RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
2521        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

2522        KK   CNA35
2523        KM   INTERSECTION COMBINE
2524        KM   NORTHERN & 35TH
2525        HC       2   1.074

2526        KK   DNA35
2527        KM   STREET INTERSECTION DIVERSION
2528        KM   NORTHERN & 35TH
2529        KM   24% West & 76% South
2530        KM   DIVERSION SOUTH
2531        KM   EXISTING STORM DRAIN ALONG 35TH AVENUE
2532        KM   CAP=  81 CFS SOUTH
2533        DT   D35NA
2534        DI       0     81.  10081.
2535        DQ       0     81.   7681.

2536        KK   RNA1
2537        KM   STREET ROUTE
2538        KM   WEST
2539        KM   NORTHERN Avenue
2540        RS       3    FLOW     -1.
2541        RC    0.02   0.016    0.02   2640.  0.0022
2542        RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
2543        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

2544        KK   SOA1S
2545        KM   RETRIEVAL OF STREET CAPACITY DIVERSION
2546        KM   OLIVE
2547        DR   SOA1S
```



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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

2548        KK  R3432S
2549        KM   SUB-BASIN STREET ROUTE
2550        KM   SOUTH
2551        KM   RW= 220'
2552        KM   PAV= 148'
2553        RS       5    FLOW     -1.
2554        RC    0.02   0.016    0.02   5200.  0.0039
2555        RX       0     0.1    36.0    46.0   174.0   184.0    220.   220.1
2556        RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

2557        KK   34-32
2558        KM   SUB-BASIN 34-32
2559        KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
2560        KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .994
2561        KM     L = 1.21  Kb = .075  Adj. Slope =   19.0
2562        BA    .993
2563        LG    .240    .210   6.400    .190  35.000
2564        UC   1.171    .515
2565        UA       0       5      16      30      65      77      84      90      94      97
2566        UA     100

2567        KK   S35AW
2568        KM   RETRIEVAL OF STREET CAPACITY DIVERSION
2569        KM   35TH
2570        DR   S35AW

2571        KK  R3432W
2572        KM   SUB-BASIN STREET ROUTE
```


1K/14PRINT

```
2573          KM   WEST
2574          KM   RW= 450'
2575          KM   PAV= 315'
2576          RS       7    FLOW     -1.
2577          RC    0.02   0.016    0.02   5280.  0.0017
2578          RX       0     0.1    67.5    77.5   372.5   382.5    450.   450.1
2579          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

2580          KK  C34-32
2581          KM   SUB-BASIN COMBINE
2582          HC       3   2.680

2583          KK  D3432S
2584          KM   SUB-BASIN DIVERSION
2585          KM   SUB-BASIN 34-32
2586          KM   38% West & 62% South
2587          DT  D3432W
2588          DI       0  10000.
2589          DQ       0   3800.

2590          KK   CNA1
2591          KM   EAST/WEST STREET COMBINE
2592          KM   NORTHERN
2593          HC       2   2.680
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

2594          KK   SNA2W
2595          KM   STREET CAPACITY DIVERSION
2596          KM   NORTHERN
2597          KM   DIVERSION TO SOUTH
2598          KM   STORM DRAIN ALONG 39TH AVENUE
2599          KM   CAP= 133.0 CFS SOUTH
2600          KM   STORM DRAIN ALONG NORTHERN AVENUE
2601          KM   CAP=  18.0 CFS WEST
2602          DT   SNA2S
2603          DI       0    151.    179.    218.   1363.   2233.
2604          DQ       0    133.    133.    165.    874.   1412.

2605          KK   RNA2
2606          KM   STREET ROUTE
2607          KM   WEST
2608          KM   NORTHERN
2609          RS       3    FLOW     -1.
2610          RC    0.02   0.016    0.02   2630.  0.0021
2611          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
2612          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

2613          KK   D430A
2614          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
2615          KM   43RD & OLIVE
2616          DR   D430A

2617          KK   R43B
2618          KM   STREET ROUTE
2619          KM   SOUTH
2620          KM   43RD Avenue
2621          RS       3    FLOW     -1.
2622          RC    0.02   0.016    0.02   2590.  0.0033
2623          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
2624          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

2625          KK  D3432W
2626          KM   RETRIEVAL OF SUB-BASIN DIVERSION
```


K/14PRINT

```
2627          KM   SUB-BASIN 34-32
2628          DR  D3432W

2629          KK   C43B
2630          KM   NORTH/SOUTH STREET COMBINE
2631          KM   43RD AVENUE
2632          HC       2   2.680

2633          KK   S43BS
2634          KM   STREET CAPACITY DIVERSION
2635          KM   43RD
2636          KM   DIVERSION TO WEST
2637          KM   EXISTING STORM DRAIN ALONG 43RD AVENUE
2638          KM   CAP= 115 CFS SOUTH
2639          DT   S43BW
2640          DI       0    152.    208.   1824.   3051.
2641          DQ       0     0.1     47.   1094.   1888.
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

2642          KK   R43C
2643          KM   STREET ROUTE
2644          KM   SOUTH
2645          KM   43RD Avenue
2646          RS       2    FLOW     -1.
2647          RC    0.02   0.016    0.02   2600.  0.0040
2648          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
2649          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

2650          KK   CNA43
2651          KM   INTERSECTION COMBINE
2652          KM   NORTHEN & 43RD
2653          HC       2   2.680

2654          KK   DNA43
2655          KM   STREET INTERSECTION DIVERSION
2656          KM   NORTHERN & 43RD
2657          KM   0% West & 100% South
2658          KM   DIVERSION SOUTH
2659          KM   EXISTING STORM DRAIN ALONG 43RD AVENUE
2660          KM   CAP= 115 CFS SOUTH
2661          DT   D43NA
2662          DI       0  10000.
2663          DQ       0  10000.

2664          KK   RNA3
2665          KM   STREET ROUTE
2666          KM   WEST
2667          KM   NORTHERN
2668          RS       4    FLOW     -1.
2669          RC    0.02   0.016    0.02   2630.  0.0012
2670          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
2671          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

2672          KK   SOA2S
2673          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
2674          KM   OLIVE
2675          DR   SOA2S

2676          KK  R3332S
2677          KM   SUB-BASIN STREET ROUTE
2678          KM   SOUTH
2679          KM   RW= 220'
2680          KM   PAV= 148'
```

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2681        RS       6    FLOW     -1.
2682        RC    0.02   0.016    0.02   5200.  0.0023
2683        RX       0     0.1    36.0    46.0   174.0   184.0    220.   220.1
2684        RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0
```



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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

2685        KK   33-32
2686        KM   SUB-BASIN 33-32
2687        KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
2688        KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .994
2689        KM     L = 1.38  Kb = .073  Adj. Slope =   15.0
2690        BA    .993
2691        LG    .240    .250   6.000    .230  39.000
2692        UC   1.429    .714
2693        UA       0       5      16      30      65      77      84      90      94      97
2694        UA     100

2695        KK   S43BW
2696        KM   RETRIEVAL OF STREET CAPACITY DIVERSION
2697        KM   43RD
2698        DR   S43BW

2699        KK  R3332W
2700        KM   SUB-BASIN STREET ROUTE
2701        KM   WEST
2702        KM   RW= 320'
2703        KM   PAV= 218'
2704        RS       6    FLOW     -1.
2705        RC    0.02   0.016    0.02   5270.  0.0030
2706        RX       0     0.1    51.0    61.0   259.0   269.0    320.   320.1
2707        RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

2708        KK  C33-32
2709        KM   SUB-BASIN COMBINE
2710        HC       3   5.064

2711        KK  D3332S
2712        KM   SUB-BASIN DIVERSION
2713        KM   SUB-BASIN 33-32
2714        KM   27% West & 73% South
2715        DT  D3332W
2716        DI       0  10000.
2717        DQ       0   2700.

2718        KK   CNA2
2719        KM   EAST/WEST STREET COMBINE
2720        KM   NORTHERN
2721        HC       2   5.064

2722        KK   SNA3W
2723        KM   STREET CAPACITY DIVERSION
2724        KM   NORTHERN
2725        KM   DIVERSION TO SOUTH
2726        DT   SNA3S
2727        DI       0     34.     97.   1657.   2314.
2728        DQ       0     0.1     49.    818.   1389.
```



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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

2729        KK   RNA4
2730        KM   STREET ROUTE
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2731        KM   WEST
2732        KM   NORTHERN
2733        RS       3    FLOW     -1.
2734        RC    0.02   0.016    0.02   2630.  0.0024
2735        RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
2736        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

2737        KK   D51OA
2738        KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
2739        KM   51ST & OLIVE
2740        DR   D51OA

2741        KK   R51D
2742        KM   STREET ROUTE
2743        KM   SOUTH
2744        KM   51ST Avenue
2745        RS       3    FLOW     -1.
2746        RC    0.02   0.016    0.02   2670.  0.0023
2747        RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
2748        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

2749        KK  D3332W
2750        KM   RETRIEVAL OF SUB-BASIN DIVERSION
2751        KM   SUB-BASIN 33-32
2752        DR  D3332W

2753        KK   C51B
2754        KM   NORTH/SOUTH STREET COMBINE
2755        KM   51ST AVENUE
2756        HC       2   5.064

2757        KK   S51CS
2758        KM   STREET CAPACITY DIVERSION
2759        KM   51ST
2760        KM   DIVERSION TO WEST
2761        DT   S51CW
2762        DI       0     35.     99.   1378.   2350.
2763        DQ       0     0.1     49.    818.   1389.

2764        KK   R51E
2765        KM   STREET ROUTE
2766        KM   SOUTH
2767        KM   51ST Avenue
2768        RS       4    FLOW     -1.
2769        RC    0.02   0.016    0.02   2610.  0.0016
2770        RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
2771        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
```



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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

2772        KK   CNA51
2773        KM   INTERSECTION COMBINE
2774        KM   NORTHERN & 51ST
2775        HC       2     5.1

2776        KK   DNA51
2777        KM   STREET INTERSECTION DIVERSION
2778        KM   NORTHERN & 51ST
2779        KM   44% West & 56% South
2780        DT   D51NA
2781        DI       0  10000.
2782        DQ       0   5600.

2783        KK   RNA5
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```
2784          KM   STREET ROUTE
2785          KM   WEST
2786          KM   NORTHERN
2787          RS       2    FLOW     -1.
2788          RC    0.02   0.016    0.02   2640.  0.0044
2789          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
2790          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

2791          KK   SOA3S
2792          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
2793          KM   OLIVE
2794          DR   SOA3S

2795          KK  R3232S
2796          KM   SUB-BASIN STREET ROUTE
2797          KM   SOUTH
2798          KM   RW= 170'
2799          KM   PAV= 113'
2800          RS       6    FLOW     -1.
2801          RC    0.02   0.016    0.02   5200.  0.0023
2802          RX       0     0.1    28.5    38.5   131.5   141.5    170.   170.1
2803          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

2804          KK   32-32
2805          KM   SUB-BASIN 32-32
2806          KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
2807          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .994
2808          KM     L = 1.38  Kb = .079  Adj. Slope =   15.0
2809          BA    .993
2810          LG    .300    .150   7.600    .130  23.000
2811          UC   1.475    .740
2812          UA       0       5      16      30      65      77      84      90      94      97
2813          UA     100

2814          KK   RET32
2815          KM   RETENTION BASIN DIVERSION
2816          KM   SUB-BASIN 32-32
2817          KM   9% OF SUB-BASIN DRAINS TO RETENTION BASIN
2818          DT  D3232R    1.87
2819          DI       0  10000.
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

2820          DQ       0    900.

2821          KK   S51CW
2822          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
2823          KM   51ST
2824          DR   S51CW

2825          KK  R3232W
2826          KM   SUB-BASIN STREET ROUTE
2827          KM   WEST
2828          KM   RW= 220'
2829          KM   PAV= 148'
2830          RS       5    FLOW     -1.
2831          RC    0.02   0.016    0.02   5420.  0.0037
2832          RX       0     0.1    36.0    46.0   174.0   184.0    220.   220.1
2833          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

2834          KK  C32-32
2835          KM   SUB-BASIN COMBINE
2836          HC       3   8.034

2837          KK  D3232S
```

```
2838          KM   SUB-BASIN DIVERSION
2839          KM   SUB-BASIN 32-32
2840          KM   36% West & 64% South
2841          DT  D3232W
2842          DI       0  10000.
2843          DQ       0   3600.

2844          KK   CNA3
2845          KM   EAST/WEST STREET COMBINE
2846          KM   NORTHERN
2847          HC       2   8.034

2848          KK   SNA4W
2849          KM   CASE 2
2850          KM   STREET CAPACITY DIVERSION
2851          KM   NORTHERN
2852          KM   DIVERSION TO SOUTH
2853          DT   SNA4S
2854          DI       0     77.    117.   1269.   2150.
2855          DQ       0     26.     45.    467.    776.

2856          KK   RNA6
2857          KM   STREET ROUTE
2858          KM   WEST
2859          KM   NORTHERN
2860          RS       3    FLOW     -1.
2861          RC    0.02   0.016    0.02   2640.  0.0036
2862          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
2863          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

2864          KK   D59OA
2865          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
2866          KM   59TH & OLIVE
2867          DR   D59OA

2868          KK   R59E
2869          KM   STREET ROUTE
2870          KM   SOUTH
2871          KM   59TH Avenue
2872          RS       3    FLOW     -1.
2873          RC    0.02   0.016    0.02   2760.  0.0030
2874          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
2875          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

2876          KK  D3232W
2877          KM   RETRIEVAL OF SUB-BASIN DIVERSION
2878          KM   SUB-BASIN 32-32
2879          DR  D3232W

2880          KK   C59C
2881          KM   NORTH/SOUTH STREET COMBINE
2882          KM   59TH AVENUE
2883          HC       2   8.319

2884          KK   S59CS
2885          KM   STREET CAPACITY DIVERSION
2886          KM   59TH
2887          KM   DIVERSION TO WEST
2888          DT   S59CW
2889          DI       0     41.    114.   1578.   2692.
2890          DQ       0     0.1     55.    929.   1579.
```

```
2891    KK   R59F
2892    KM   STREET ROUTE
2893    KM   SOUTH
2894    KM   59TH Avenue
2895    RS       3    FLOW     -1.
2896    RC    0.02   0.016    0.02   2420.  0.0022
2897    RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
2898    RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

2899    KK   CNA59
2900    KM   INTERSECTION COMBINE
2901    KM   NORTHERN & 59TH
2902    HC       2   8.319

2903    KK   DNA59
2904    KM   STREET INTERSECTION DIVERSION
2905    KM   NORTHERN & 59TH
2906    KM   51% West & 49% South
2907    DT   D59NA
2908    DI       0  10000.
2909    DQ       0   4900.
```



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LINE    ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

2910    KK   RNA7
2911    KM   STREET ROUTE
2912    KM   WEST
2913    KM   NORTHERN
2914    RS       3    FLOW     -1.
2915    RC    0.02   0.016    0.02   2670.  0.0038
2916    RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
2917    RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

2918    KK   SOA4S
2919    KM   RETRIEVAL OF STREET CAPACITY DIVERSION
2920    KM   OLIVE
2921    DR   SOA4S

2922    KK  R3132S
2923    KM   SUB-BASIN STREET ROUTE
2924    KM   SOUTH
2925    KM   RW= 170'
2926    KM   PAV= 113'
2927    RS       6    FLOW     -1.
2928    RC    0.02   0.016    0.02   5190.  0.0026
2929    RX       0     0.1    28.5    38.5   131.5   141.5    170.   170.1
2930    RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

2931    KK   31-32
2932    KM   SUB-BASIN 31-32
2933    KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
2934    KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .994
2935    KM     L = 1.33  Kb = .071  Adj. Slope =   17.0
2936    BA    .953
2937    LG    .300    .160   8.800    .080  26.000
2938    UC   1.208    .589
2939    UA       0       5      16      30      65      77      84      90      94      97
2940    UA     100

2941    KK   RET31
2942    KM   RETENTION BASIN DIVERSION
2943    KM   SUB-BASIN 31-32
2944    KM   6% OF SUB-BASIN DRAINS TO RETENTION BASIN
2945    DT  D3132R    1.30
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2946          DI       0  10000.
2947          DQ       0    600.

2948          KK   S59CW
2949          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
2950          KM   59TH
2951          DR   S59CW

2952          KK  R3132W
2953          KM   SUB-BASIN STREET ROUTE
2954          KM   WEST
2955          KM   RW= 100'
2956          KM   PAV= 70'
2957          RS       5    FLOW     -1.
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

2958          RC    0.02   0.016    0.02   5100.  0.0034
2959          RX       0     0.1    15.0    25.0    75.0    85.0    100.   100.1
2960          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

2961          KK  C31-32
2962          KM   SUB-BASIN COMBINE
2963          HC       3  12.098

2964          KK  D3132S
2965          KM   SUB-BASIN DIVERSION
2966          KM   SUB-BASIN 31-32
2967          KM   29% West & 71% South
2968          DT  D3132W
2969          DI       0  10000.
2970          DQ       0   2900.

2971          KK   CNA4
2972          KM   EAST/WEST STREET COMBINE
2973          KM   NORTHERN
2974          HC       2  12.098

2975          KK   SNA5W
2976          KM   STREET CAPACITY DIVERSION
2977          KM   NORTHERN
2978          KM   DIVERSION TO SOUTH
2979          DT   SNA5S
2980          DI       0     44.    101.   1335.   2279.
2981          DQ       0     0.1     38.    632.   1074.

2982          KK   RNA8
2983          KM   STREET ROUTE
2984          KM   WEST
2985          KM   NORTHERN
2986          RS       3    FLOW     -1.
2987          RC    0.02   0.016    0.02   2420.  0.0024
2988          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
2989          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

2990          KK   D67OA
2991          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
2992          KM   67TH & OLIVE
2993          DR   D67OA

2994          KK   R67G
2995          KM   STREET ROUTE
2996          KM   SOUTH
2997          KM   67TH Avenue
2998          RS       3    FLOW     -1.
```

```
2999          RC    0.02   0.016    0.02   2590.  0.0030
3000          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
3001          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
```



```
LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

3002          KK  D3132W
3003          KM   RETRIEVAL OF SUB-BASIN DIVERSION
3004          KM   SUB-BASIN 31-32
3005          DR  D3132W

3006          KK   C67D
3007          KM   NORTH/SOUTH STREET COMBINE
3008          KM   67TH AVENUE
3009          HC       2  12.347

3010          KK   S67DS
3011          KM   STREET CAPACITY DIVERSION
3012          KM   67TH
3013          KM   DIVERSION TO WEST
3014          DT   S67DW
3015          DI       0     37.     64.    768.   1315.
3016          DQ       0     0.1     11.    186.    316.

3017          KK   R67H
3018          KM   STREET ROUTE
3019          KM   SOUTH
3020          KM   67TH Avenue
3021          RS       4    FLOW     -1.
3022          RC    0.02   0.016    0.02   2570.  0.0013
3023          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
3024          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

3025          KK   CNA67
3026          KM   INTERSECTION COMBINE
3027          KM   NORTHERN & 67TH
3028          HC       2  12.374

3029          KK   DNA67
3030          KM   STREET INTERSECTION DIVERSION
3031          KM   NORTHERN & 67TH
3032          KM   0% West & 100% South
3033          DT   D67NA
3034          DI       0  10000.
3035          DQ       0  10000.

3036          KK   D750A
3037          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
3038          KM   75TH & OLIVE
3039          DR   D750A

3040          KK   SOA5S
3041          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
3042          KM   OLIVE AVENUE
3043          DR   SOA5S
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

3044          KK  36-31E
3045          KM   SUB-BASIN 36-31E
3046          KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
3047          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .997
```

```
3048    KM     L =  .81  Kb = .072  Adj. Slope =   18.0
3049    BA    .495
3050    LG    .340    .150   8.800    .080  26.000
3051    UC    .821    .375
3052    UA       0       5      16      30      65      77      84      90      94      97
3053    UA     100

3054    KK   S67DW
3055    KM   RETRIEVAL OF STREET CAPACITY DIVERSION
3056    KM   67TH AVENUE
3057    DR   S67DW

3058    KK  R3631W
3059    KM   SUB-BASIN STREET ROUTE
3060    KM   WEST
3061    KM   RW= 120'
3062    KM   PAV= 78'
3063    RS       8    FLOW     -1.
3064    RC    0.02   0.016    0.02   6200.  0.0019
3065    RX       0     0.1    21.0    31.0    89.0    99.0    120.   120.1
3066    RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

3067    KK   D26AS
3068    KM   RETRIEVAL OF PONDING AREA DIVERSION
3069    KM   FROM RES26S AS FLOW OVER OLIVE AVENUE
3070    DR   D26AS

3071    KK  C3631E
3072    KM   SUB-BASIN COMBINE
3073    HC       5    20.6

3074    KK   RES36
3075    KM   PONDING AREA RESERVOIR ROUTE
3076    KM   PONDING AREA NORTHEAST OF GRAND AVENUE/RR EMBANKMENT
3077    KM   SUB-BASIN 36-31E
3078    RS       1    ELEV   1132.
3079    SV       0    3.10   19.20   35.25   57.20  130.00  191.30
3080    SE   1132.   1134.   1136.   1137.   1138.   1140.   1141.
3081    SQ       0     0.1     0.2     0.3   1470.   9050.  16540.
        *
        * BEGIN COMPUTATIONS FOR AREA WEST OF GRAND AVENUE
        *

3082    KK  R3631
3083    KM   SUB-BASIN STREET ROUTE
3084    KM   WEST
3085    KM   RW= 50'
3086    KM   PAV= 35'
3087    RS       2    FLOW     -1.
3088    RC    0.02   0.016    0.02   2290.  0.0035
```



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LINE    ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

3089    RX       0     0.1     7.5    17.5    32.5    42.5     50.    50.1
3090    RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

3091    KK  36-31W
3092    KM   SUB-BASIN 36-31W
3093    KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
3094    KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .997
3095    KM     L =  .66  Kb = .050  Adj. Slope =   13.0
3096    BA    .506
3097    LG    .270    .150   8.400    .110  44.000
3098    UC    .621    .231
3099    UA       0       5      16      30      65      77      84      90      94      97
```

```
3100          UA     100

3101          KK  C3631W
3102          KM   SUB-BASIN COMBINE
3103          HC       2  21.140

3104          KK  D3631S
3105          KM   SUB-BASIN DIVERSION
3106          KM   SUB-BASIN 36-31W
3107          KM   79% West & 21% South
3108          DT  D3631W
3109          DI       0  10000.
3110          DQ       0   7900.

3111          KK    CNA5
3112          KM   EAST/WEST STREET COMBINE
3113          HC       2  21.140

3114          KK   SNA6W
3115          KM   STREET CAPACITY DIVERSION
3116          KM   NORTHERN AVENUE
3117          KM   DIVERSION TO SOUTH
3118          DT   SNA6S
3119          DI       0     45.     91.   1163.   1988.
3120          DQ       0     0.1     27.    446.    758.

3121          KK    RNA9
3122          KM   STREET ROUTE
3123          KM   WEST
3124          KM   NORTHERN Avenue
3125          RS       3    FLOW     -1.
3126          RC    0.02   0.016    0.02   2690.  0.0026
3127          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
3128          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

3129          KK  D3631W
3130          KM   RETRIEVAL OF SUB-BASIN DIVERSION
3131          KM   SUB-BASIN 36-31W
3132          DR  D3631W
```



```
LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

3133          KK   S75ES
3134          KM   STREET CAPACITY DIVERSION
3135          KM   75TH AVENUE
3136          KM   DIVERSION TO WEST
3137          DT   S75EW
3138          DI       0     35.     57.    725.   1245.
3139          DQ       0     0.1      8.    177.    304.

3140          KK    R75H
3141          KM   STREET ROUTE
3142          KM   SOUTH
3143          KM   75TH Avenue
3144          RS       7    FLOW     -1.
3145          RC    0.02   0.016    0.02   2630.  0.0005
3146          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
3147          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

3148          KK   CNA75
3149          KM   INTERSECTION COMBINE
3150          KM   NORTHERNN & 75TH
3151          HC       2  21.140
```


K/714PRINT

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3152        KK   DNA75
3153        KM   STREET INTERSECTION DIVERSION
3154        KM   NORTHERN & 75TH
3155        KM   69% West & 31% South
3156        DT   D75NA
3157        DI       0  10000.
3158        DQ       0   3100.

3159        KK   RNA10
3160        KM   STREET ROUTE
3161        KM   WEST
3162        KM   NORTHERN
3163        RS       2    FLOW     -1.
3164        RC    0.02   0.016    0.02   2660.  0.0055
3165        RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
3166        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

3167        KK   SOA6S
3168        KM   RETRIEVAL OF STREET CAPACITY DIVERSION
3169        KM   OLIVE
3170        DR   SOA6S

3171        KK  R3531S
3172        KM   SUB-BASIN STREET ROUTE
3173        KM   SOUTH
3174        KM   RW= 170'
3175        KM   PAV= 113'
3176        RS       6    FLOW     -1.
3177        RC    0.02   0.016    0.02   5220.  0.0028
3178        RX       0     0.1    28.5    38.5   131.5   141.5    170.   170.1
3179        RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0
```



```
1                                   HEC-1 INPUT

LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


3180        KK   35-31
3181        KM   SUB-BASIN 35-31
3182        KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
3183        KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .994
3184        KM     L = 1.33  Kb = .066  Adj. Slope =   16.0
3185        BA   1.005
3186        LG    .410    .160   8.800    .090  13.000
3187        UC   1.204    .570
3188        UA       0       5      16      30      65      77      84      90      94      97
3189        UA     100

3190        KK   S75EW
3191        KM   RETRIEVAL OF STREET CAPACITY DIVERSION
3192        KM   75TH
3193        DR   S75EW

3194        KK  R3531W
3195        KM   SUB-BASIN STREET ROUTE
3196        KM   WEST
3197        KM   RW= 70'
3198        KM   PAV= 43'
3199        RS       6    FLOW     -1.
3200        RC    0.02   0.016    0.02   5310.  0.0027
3201        RX       0     0.1    13.5    23.5    46.5    56.5     70.    70.1
3202        RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

3203        KK  C35-31
3204        KM   SUB-BASIN COMBINE
3205        HC       3  22.686
```

```
3206          KK  D3531S
3207          KM   SUB-BASIN DIVERSION
3208          KM   SUB-BASIN 35-31
3209          KM   49% West & 51% South
3210          DT  D3531W
3211          DI       0  10000.
3212          DQ       0   4900.

3213          KK    CNA6
3214          KM   EAST/WEST STREET COMBINE
3215          HC       2  22.686

3216          KK   SNA7W
3217          KM   STREET CAPACITY DIVERSION
3218          KM   NORTHERN
3219          KM   DIVERSION TO SOUTH
3220          DT   SNA7S
3221          DI       0     54.     93.   1119.   1915.
3222          DQ       0     0.1     16.    260.    442.
```



```
LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

3223          KK   RNA11
3224          KM   STREET ROUTE
3225          KM   WEST
3226          KM   NORTHERN AVENUE
3227          RS       3    FLOW     -1.
3228          RC    0.02   0.016    0.02   2690.  0.0038
3229          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
3230          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

3231          KK   D83OA
3232          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
3233          KM   83RD & OLIVE
3234          DR   D83OA

3235          KK    R83F
3236          KM   STREET ROUTE
3237          KM   SOUTH
3238          KM   83RD Avenue
3239          RS       2    FLOW     -1.
3240          RC    0.02   0.016    0.02   2610.  0.0043
3241          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
3242          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

3243          KK  D3531W
3244          KM   RETRIEVAL OF SUB-BASIN DIVERSION
3245          KM   SUB-BASIN 35-31
3246          DR  D3531W

3247          KK    C83C
3248          KM   NORTH/SOUTH STREET COMBINE
3249          KM   83RD AVENUE
3250          HC       2  22.686

3251          KK   S83DS
3252          KM   STREET CAPACITY DIVERSION
3253          KM   83RD
3254          KM   DIVERSION TO WEST
3255          DT   S83DW
3256          DI       0     50.     96.   1357.   2333.
3257          DQ       0     0.1     24.    565.    975.

3258          KK    R83G
```

```
3259          KM   STREET ROUTE
3260          KM   SOUTH
3261          KM   83RD Avenue
3262          RS       3    FLOW     -1.
3263          RC    0.02   0.016    0.02   2620.  0.0036
3264          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
3265          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

3266          KK   CNA83
3267          KM   INTERSECTION COMBINE
3268          KM   NORTHERN & 83RD
3269          HC       2  22.686

3270          KK   DNA83
3271          KM   STREET INTERSECTION DIVERSION
3272          KM   NORTHERN & 83RD
3273          KM   100% West & 00% South
3274          KM   DIVERSION SOUTH
3275          KM   STORM DRAIN ALONG NORTHERN AVENUE
3276          KM   CAP= 214.0 CFS WEST
3277          DT   D83NA
3278          DI       0  10000.
3279          DQ       0     0.1

3280          KK   RNA12
3281          KM   STREET ROUTE
3282          KM   WEST
3283          KM   NORTHERN
3284          RS       3    FLOW     -1.
3285          RC    0.02   0.016    0.02   2620.  0.0021
3286          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
3287          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

3288          KK   RES34
3289          KM   SURCHARGE BASIN DIVERSION
3290          KM   "PEORIA BASIN" PER FCD 94-12
3291          KM   FOR THE NORTHERN AVENUE STORM DRAIN SYSTEM AT ABOUT 85TH AVENUE
3292          KM   PEAK DISCHARGE CAPACITY OF DIVERSION PIPE = 202 CFS
3293          DT  RES340    69.0    202.
3294          DI       0    202.  10000.
3295          DQ       0    202.    202.

3296          KK   SOA7S
3297          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
3298          KM   OLIVE AVENUE
3299          DR   SOA7S

3300          KK  R3431S
3301          KM   SUB-BASIN STREET ROUTE
3302          KM   SOUTH
3303          KM   RW= 170'
3304          KM   PAV= 113'
3305          RS       5    FLOW     -1.
3306          RC    0.02   0.016    0.02   5240.  0.0039
3307          RX       0     0.1    28.5    38.5   131.5   141.5    170.   170.1
3308          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

3309          KK   34-31
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```
3310          KM   SUB-BASIN 34-31
3311          KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
3312          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .994
3313          KM     L = 1.35  Kb = .075  Adj. Slope =   14.0
3314          BA    .996
3315          LG    .370    .160   8.000    .120  16.000
3316          UC   1.504    .742
3317          UA      0       5      16      30      65      77      84      90      94      97
3318          UA    100

3319          KK   RET34
3320          KM   RETENTION BASIN DIVERSION
3321          KM   SUB-BASIN 34-31
3322          KM    6% OF SUB-BASIN DRAINS TO RETENTION BASIN
3323          DT  D3431R   11.91
3324          DI       0  10000.
3325          DQ       0    600.

3326          KK   S83DW
3327          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
3328          KM   83RD
3329          DR   S83DW

3330          KK  R3431W
3331          KM   SUB-BASIN STREET ROUTE
3332          KM   WEST
3333          KM   RW= 170'
3334          KM   PAV= 113'
3335          RS       7    FLOW     -1.
3336          RC    0.02   0.016    0.02   5210.  0.0017
3337          RX       0     0.1    28.5    38.5   131.5   141.5    170.   170.1
3338          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

3339          KK  C34-31
3340          KM   SUB-BASIN COMBINE
3341          HC       3  25.971

3342          KK  D3431S
3343          KM   SUB-BASIN DIVERSION
3344          KM   SUB-BASIN 34-31
3345          KM   35% West & 65% South
3346          KM   DIVERSION WEST
3347          KM   STORM DRAIN ALONG BUTLER DRIVE
3348          KM   CAP=  78.0 CFS WEST
3349          DT  D3431W
3350          DI       0     78.    278.    578.   1078.   2078.
3351          DQ       0     78.    148.    253.    428.    778.
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

3352          KK    CNA7
3353          KM   EAST/WEST STREET COMBINE
3354          KM   NORTHERN AVENUE
3355          HC       2  25.971

3356          KK   SNA8W
3357          KM   STREET CAPACITY DIVERSION
3358          KM   NORTHERN AVENUE
3359          KM   DIVERSION TO SOUTH
3360          KM   STORM DRAIN ALONG NORTHERN AVENUE
3361          KM   CAP= 33.0 CFS WEST
3362          DT   SNA8S
3363          DI       0     63.     98.    878.   1476.
3364          DQ       0    0.1     22.    372.    632.
```

```
3365          KK   RNA13
3366          KM   STREET ROUTE
3367          KM   WEST
3368          KM   NORTHERN AVENUE
3369          RS       5    FLOW     -1.
3370          RC    0.02   0.016    0.02   2640.  0.0008
3371          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
3372          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

3373          KK   D910A
3374          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
3375          KM   91ST & OLIVE AVENUE
3376          DR   D910A

3377          KK    R91C
3378          KM   STREET ROUTE
3379          KM   SOUTH
3380          KM   91ST Avenue
3381          RS       3    FLOW     -1.
3382          RC    0.02   0.016    0.02   2640.  0.0028
3383          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
3384          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

3385          KK  D3431W
3386          KM   RETRIEVAL OF SUB-BASIN DIVERSION
3387          KM   SUB-BASIN 34-31
3388          DR  D3431W

3389          KK    C91B
3390          KM   NORTH/SOUTH STREET COMBINE
3391          KM   91ST AVENUE
3392          HC       2  25.971

3393          KK   S91BS
3394          KM   STREET CAPACITY DIVERSION
3395          KM   91ST
3396          KM   DIVERSION TO WEST
3397          KM   STORM DRAIN ALONG BUTLER DRIVE
3398          KM   CAP=  78.0 CFS WEST
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

3399          DT   S91BW
3400          DI       0     78.    120.    150.    936.   1547.
3401          DQ       0     78.     78.     89.    264.    394.

3402          KK    R91D
3403          KM   STREET ROUTE
3404          KM   SOUTH
3405          KM   91ST Avenue
3406          RS       3    FLOW     -1.
3407          RC    0.02   0.016    0.02   2640.  0.0029
3408          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
3409          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

3410          KK   CNA91
3411          KM   INTERSECTION COMBINE
3412          KM   NORTHERN & 91ST
3413          HC       2  25.971

3414          KK   DNA91
3415          KM   STREET INTERSECTION DIVERSION
3416          KM   NORTHERN & 91ST
3417          KM   40% West & 60% South
```


K/14PRINT

```
3418          KM   DIVERSION SOUTH
3419          KM   STORM DRAIN ALONG NORTHERN AVENUE
3420          KM   CAP=  33.0 CFS WEST
3421          DT   D91NA
3422          DI       0     33.  10033.
3423          DQ       0     0.1   6000.

3424          KK   RNA14
3425          KM   STREET ROUTE
3426          KM   WEST
3427          KM   NORTHERN
3428          RS       3    FLOW     -1.
3429          RC    0.02   0.016    0.02   2680.  0.0025
3430          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
3431          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

3432          KK   S91BW
3433          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
3434          KM   91ST AVENUE
3435          DR   S91BW

3436          KK  R3331W
3437          KM   SUB-BASIN STREET ROUTE
3438          KM   WEST
3439          KM   RW= 50'
3440          KM   PAV= 35'
3441          RS       4    FLOW     -1.
3442          RC    0.02   0.016    0.02   3920.  0.0036
3443          RX       0     0.1     7.5    17.5    32.5    42.5     50.    50.1
3444          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

3445          KK   33-31
3446          KM   SUB-BASIN 33-31
3447          KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
3448          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .998
3449          KM     L = 1.08  Kb = .090  Adj. Slope =   31.0
3450          BA    .259
3451          LG    .480    .150   7.300    .160   4.000
3452          UC   1.017    .866
3453          UA       0       5      16      30      65      77      84      90      94      97
3454          UA     100

3455          KK  C33-31
3456          KM   SUB-BASIN COMBINE
3457          HC       4  26.369

3458          KK   R421S
3459          KM   ROUTE WEST TO AGUA FRIA RIVER
3460          KM   RW= 50'
3461          KM   PAV= 35'
3462          RS       2    FLOW     -1.
3463          RC    0.02   0.016    0.02   2410.  0.0041
3464          RX       0     0.1     7.5    17.5    32.5    42.5     50.    50.1
3465          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0
              *

3466          KK   NULL3
3467          KM   NULL COMBINE @ NORTHERN AVE C.P.
3468          HC       2     1.
              *
              *  GLENDALE AVNEUE COMPUTATION PATH
              *
```

```
3469          KK    1-22
3470          KM   SUB-BASIN 1-22
3471          KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
3472          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .999
3473          KM     L =  .70  Kb = .083  Adj. Slope =   15.0
3474          BA    .244
3475          LG    .230    .190   6.800    .150  32.000
3476          UC    .917    .564
3477          UA      0       5      16      30      65      77      84      90      94      97
3478          UA     100

3479          KK   D122S
3480          KM   SUB-BASIN DIVERSION
3481          KM   SUB-BASIN 1-22
3482          KM   81% West & 19% South
3483          DT   D122W
3484          DI       0  10000.
3485          DQ       0   8100.
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

3486          KK   D27NA
3487          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
3488          KM   27TH & NORTHERN
3489          DR   D27NA

3490          KK   R27A
3491          KM   STREET ROUTE
3492          KM   SOUTH
3493          KM   27TH Avenue
3494          RS       2    FLOW     -1.
3495          RC    0.02   0.016    0.02   2620.  0.0042
3496          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
3497          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

3498          KK   D122W
3499          KM   RETRIEVAL OF SUB-BASIN DIVERSION
3500          KM   SUB-BASIN 1-22
3501          DR   D122W

3502          KK   C27A
3503          KM   NORTH/SOUTH STREET COMBINE
3504          KM   27TH AVENUE
3505          HC       2   0.357

3506          KK   S27AS
3507          KM   STREET CAPACITY DIVERSION
3508          KM   27TH AVENUE
3509          KM   DIVERSION TO WEST
3510          KM   EXISTING STORM DRAIN ALONG 27TH AVENUE
3511          KM   CAP= 120 CFS SOUTH
3512          DT   S27AW
3513          DI       0    159.    200.   1515.   2514.
3514          DQ       0     0.1     32.    741.   1279.

3515          KK   R27B
3516          KM   STREET ROUTE
3517          KM   SOUTH
3518          KM   27TH Avenue
3519          RS       2    FLOW     -1.
3520          RC    0.02   0.016    0.02   2630.  0.0040
3521          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
3522          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
```

```
3523          KK   CGA27
3524          KM   INTERSECTION COMBINE
3525          KM   GLENDALE & 27TH
3526          HC       2   0.357

3527          KK   DGA27
3528          KM   STREET INTERSECTION DIVERSION
3529          KM   GLENDALE & 27TH
3530          KM   0% West & 100% South
3531          KM   DIVERSION SOUTH
3532          KM   EXISTING STORM DRAIN ALONG 27TH AVENUE
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

3533          KM   CAP= 120 CFS SOUTH
3534          DT   D27GA
3535          DI       0  10000.
3536          DQ       0  10000.

3537          KK    2-22
3538          KM   SUB-BASIN 2-22
3539          KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
3540          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .994
3541          KM     L = 1.42  Kb = .072  Adj. Slope =   14.0
3542          BA   1.004
3543          LG    .250    .220   6.400    .190  26.000
3544          UC   1.500    .766
3545          UA       0       5      16      30      65      77      84      90      94      97
3546          UA     100

3547          KK   D222S
3548          KM   SUB-BASIN DIVERSION
3549          KM   SUB-BASIN 2-22
3550          KM   9% West & 91% South
3551          DT   D222W
3552          DI       0  10000.
3553          DQ       0    900.

3554          KK   SNA1S
3555          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
3556          KM   NORTHERN
3557          DR   SNA1S

3558          KK   R222S
3559          KM   SUB-BASIN STREET ROUTE
3560          KM   SOUTH
3561          KM   RW= 170'
3562          KM   PAV= 113'
3563          RS       5    FLOW     -1.
3564          RC    0.02   0.016    0.02   5240.  0.0040
3565          RX       0     0.1    28.5    38.5   131.5   141.5    170.   170.1
3566          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

3567          KK   S27AW
3568          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
3569          KM   27TH AVENUE
3570          DR   S27AW

3571          KK   R222W
3572          KM   SUB-BASIN STREET ROUTE -- SPECIAL CASE
3573          KM   FLOW PATH PARALLELS 27TH AVENUE
3574          KM   WEST
3575          KM   RW= 100'
3576          KM   PAV=  70'
```

```
3577        RS      4    FLOW     -1.
3578        RC   0.02   0.016    0.02   4100.  0.0029
3579        RX      0     0.1    15.0    25.0    75.0    85.0    100.   100.1
3580        RY    4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0
```



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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

3581        KK   C2-22
3582        KM   SUB-BASIN COMBINE
3583        HC      3   2.455

3584        KK   D35NA
3585        KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
3586        KM   35TH & NORTHERN
3587        DR   D35NA

3588        KK   R35C
3589        KM   STREET ROUTE
3590        KM   SOUTH
3591        KM   35TH Avenue
3592        RS      3    FLOW     -1.
3593        RC   0.02   0.016    0.02   2620.  0.0034
3594        RX   44.9     45.     66.    66.1    134.   134.1    155.   155.1
3595        RY    4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

3596        KK   D222W
3597        KM   RETRIEVAL OF SUB-BASIN DIVERSION
3598        KM   SUB-BASIN 2-22
3599        DR   D222W

3600        KK   C35B
3601        KM   NORTH/SOUTH STREET COMBINE
3602        KM   35TH AVENUE
3603        HC      2   2.078

3604        KK   S35BS
3605        KM   STREET CAPACITY DIVERSION
3606        KM   35TH AVENUE
3607        KM   DIVERSION TO WEST
3608        KM   EXISTING STORM DRAIN ALONG 35TH AVENUE
3609        KM   CAP=  70 CFS SOUTH
3610        DT   S35BW
3611        DI      0    104.    153.   1567.   2641.
3612        DQ      0     0.1     40.    918.   1584.

3613        KK   R35D
3614        KM   STREET ROUTE
3615        KM   SOUTH
3616        KM   35TH Avenue
3617        RS      3    FLOW     -1.
3618        RC   0.02   0.016    0.02   2640.  0.0031
3619        RX   44.9     45.     66.    66.1    134.   134.1    155.   155.1
3620        RY    4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

3621        KK   S35CE
3622        KM   STREET CAPACITY DIVERSION
3623        KM   MAIN PATH IS TO THE EAST, CONVEYING 33% OF THE FLOW
3624        KM   35TH AVENUE
3625        KM   DIVERSION TO SOUTH
3626        DT   S35CS
3627        DI      0  10000.
```



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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10
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K&T 4PRINT

```
3628          DQ       0   6700.

3629          KK   CGA1
3630          KM   EAST/WEST STREET COMBINE
3631          KM   GLENDALE
3632          HC       3   2.542

3633          KK   SGA1W
3634          KM   STREET CAPACITY DIVERSION
3635          KM   GLENDALE AVENUE -- ALL FLOW IS TO THE SOUTH --
3636          KM   DIVERSION TO SOUTH
3637          DT   SGA1S
3638          DI       0  10000.
3639          DQ       0  10000.

3640          KK   S35CS
3641          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
3642          KM   GLENDALE AVENUE
3643          DR   S35CS

3644          KK   CGA35
3645          KM   INTERSECTION COMBINE
3646          KM   GLENDALE & 35TH
3647          HC       2     2.1

3648          KK   DGA35
3649          KM   STREET INTERSECTION DIVERSION
3650          KM   GLENDALE & 35TH
3651          KM   17% West & 83% South
3652          KM   DIVERSION SOUTH
3653          KM   EXISTING STORM DRAIN ALONG 35TH AVENUE
3654          KM   CAP=  64 CFS SOUTH
3655          DT   D35GA
3656          DI       0     64.  10064.
3657          DQ       0     64.   8364.

3658          KK   RGA1
3659          KM   STREET ROUTE
3660          KM   WEST
3661          KM   GLENDALE
3662          RS       3    FLOW     -1.
3663          RC    0.02   0.016    0.02   2590.  0.0022
3664          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
3665          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

3666          KK   SNA2S
3667          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
3668          KM   NORTHERN
3669          DR   SNA2S
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

3670          KK   R322S
3671          KM   SUB-BASIN STREET ROUTE
3672          KM   SOUTH
3673          KM   RW= 170'
3674          KM   PAV= 113'
3675          RS       5    FLOW     -1.
3676          RC    0.02   0.016    0.02   5260.  0.0032
3677          RX       0     0.1    28.5    38.5   131.5   141.5    170.   170.1
3678          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

3679          KK    3-22
```

```
3680        KM   SUB-BASIN 3-22
3681        KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
3682        KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .994
3683        KM     L = 1.22  Kb = .073  Adj. Slope =   15.0
3684        BA    .999
3685        LG    .240    .160   7.300    .130  34.000
3686        UC   1.242    .552
3687        UA      0       5      16      30      65      77      84      90      94      97
3688        UA    100

3689        KK   S35BW
3690        KM   RETRIEVAL OF STREET CAPACITY DIVERSION
3691        KM   35TH
3692        DR   S35BW

3693        KK   R322W
3694        KM   SUB-BASIN STREET ROUTE
3695        KM   WEST
3696        KM   RW= 270'
3697        KM   PAV= 183'
3698        RS       6    FLOW     -1.
3699        RC    0.02   0.016    0.02   5210.  0.0024
3700        RX       0     0.1    43.5    53.5   216.5   226.5    270.   270.1
3701        RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

3702        KK   C3-22
3703        KM   SUB-BASIN COMBINE
3704        HC       3   4.682

3705        KK   D322S
3706        KM   SUB-BASIN DIVERSION
3707        KM   SUB-BASIN 3-22
3708        KM   43% West & 57% South
3709        KM   DIVERSION WEST
3710        KM   SPECIAL CASE
3711        KM   EXISTING STORM DRAIN ALONG 39TH AVENUE
3712        KM   CAP= 150 CFS SOUTH
3713        DT   D322W
3714        DI       0    150.  10150.
3715        DQ       0     0.1   4300.
```



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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

3716        KK   CGA2
3717        KM   EAST/WEST STREET COMBINE
3718        KM   GLENDALE
3719        HC       2   4.682

3720        KK   SGA2W
3721        KM   CASE 2
3722        KM   STREET CAPACITY DIVERSION
3723        KM   GLENDALE
3724        KM   DIVERSION TO SOUTH
3725        KM   EXISTING STORM DRAIN ALONG GLENDALE AVENUE
3726        KM   CAP=  27 CFS SOUTH
3727        KM   EXISTING STORM DRAIN ALONG 39TH AVENUE
3728        KM   CAP= 150 CFS SOUTH
3729        DT   SGA2S
3730        DI       0    247.    306.   1683.   2724.
3731        DQ       0    181.    223.   1038.   1638.

3732        KK   RGA2
3733        KM   STREET ROUTE
3734        KM   WEST
```


K/14PRINT

```
3735    KM   GLENDALE
3736    RS      3    FLOW     -1.
3737    RC   0.02   0.016    0.02   2610.  0.0026
3738    RX   44.9     45.     66.    66.1    134.   134.1    155.   155.1
3739    RY    4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

3740    KK   D43NA
3741    KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
3742    KM   43RD & NORTHERN
3743    DR   D43NA

3744    KK   R43D
3745    KM   STREET ROUTE
3746    KM   SOUTH
3747    KM   43RD Avenue
3748    RS      3    FLOW     -1.
3749    RC   0.02   0.016    0.02   2660.  0.0038
3750    RX   44.9     45.     66.    66.1    134.   134.1    155.   155.1
3751    RY    4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

3752    KK   D322W
3753    KM   RETRIEVAL OF SUB-BASIN DIVERSION
3754    KM   SUB-BASIN 3-22
3755    DR   D322W

3756    KK   C43C
3757    KM   NORTH/SOUTH STREET COMBINE
3758    KM   43RD AVENUE
3759    HC      2   4.682
```



```
LINE         ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

3760    KK   S43CS
3761    KM   STREET CAPACITY DIVERSION
3762    KM   43RD
3763    KM   DIVERSION TO WEST
3764    KM   EXISTING STORM DRAIN ALONG 43RD AVENUE
3765    KM   CAP= 100 CFS SOUTH
3766    DT   S43CW
3767    DI      0    136.    169.   1265.   2097.
3768    DQ      0     0.1     24.    565.    975.

3769    KK   R43E
3770    KM   STREET ROUTE
3771    KM   SOUTH
3772    KM   43RD Avenue
3773    RS      3    FLOW     -1.
3774    RC   0.02   0.016    0.02   2620.  0.0031
3775    RX   44.9     45.     66.    66.1    134.   134.1    155.   155.1
3776    RY    4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

3777    KK   CGA43
3778    KM   INTERSECTION COMBINE
3779    KM   GLENDALE & 43RD
3780    HC      2   4.682

3781    KK   DGA43
3782    KM   STREET INTERSECTION DIVERSION
3783    KM   GLENDALE & 43RD
3784    KM   56% West & 44% South
3785    KM   DIVERSION SOUTH
3786    KM   EXISTING STORM DRAIN ALONG 43RD AVENUE
3787    KM   CAP= 100 CFS SOUTH
3788    DT   D43GA
```


1C714PRINT

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3789        DI      0    100.  10100.
3790        DQ      0    100.   4500.

3791        KK   RGA3
3792        KM   STREET ROUTE
3793        KM   WEST
3794        KM   GLENDALE
3795        RS      4    FLOW     -1.
3796        RC   0.02   0.016    0.02   2610.  0.0015
3797        RX   44.9     45.     66.    66.1    134.   134.1    155.   155.1
3798        RY    4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

3799        KK   SNA3S
3800        KM   RETRIEVAL OF STREET CAPACITY DIVERSION
3801        KM   NORTHERN
3802        DR   SNA3S
```



```
LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

3803        KK   R422S
3804        KM   SUB-BASIN STREET ROUTE
3805        KM   SOUTH
3806        KM   RW= 170'
3807        KM   PAV= 113'
3808        RS      5    FLOW     -1.
3809        RC   0.02   0.016    0.02   5260.  0.0036
3810        RX      0     0.1    28.5    38.5   131.5   141.5    170.   170.1
3811        RY    4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

3812        KK    4-22
3813        KM   SUB-BASIN 4-22
3814        KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
3815        KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .994
3816        KM     L = 1.46  Kb = .069  Adj. Slope =   15.0
3817        BA   1.004
3818        LG    .230    .260   5.600    .260  36.000
3819        UC   1.450    .755
3820        UA      0       5      16      30      65      77      84      90      94      97
3821        UA    100

3822        KK   S43CW
3823        KM   RETRIEVAL OF STREET CAPACITY DIVERSION
3824        KM   43RD
3825        DR   S43CW

3826        KK   R422W
3827        KM   SUB-BASIN STREET ROUTE
3828        KM   WEST
3829        KM   RW= 170'
3830        KM   PAV= 113'
3831        RS      8    FLOW     -1.
3832        RC   0.02   0.016    0.02   5240.  0.0016
3833        RX      0     0.1    28.5    38.5   131.5   141.5    170.   170.1
3834        RY    4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

3835        KK   C4-22
3836        KM   SUB-BASIN COMBINE
3837        HC      3   8.070

3838        KK   D422S
3839        KM   SUB-BASIN DIVERSION
3840        KM   SUB-BASIN 4-22
3841        KM   42% West & 58% South
3842        DT   D422W
```

```
3843          DI       0  10000.
3844          DQ       0   4200.

3845          KK   CGA3
3846          KM   EAST/WEST STREET COMBINE
3847          KM   GLENDALE
3848          HC       2   8.070
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

3849          KK   SGA3W
3850          KM   STREET CAPACITY DIVERSION
3851          KM   GLENDALE
3852          KM   DIVERSION TO SOUTH
3853          DT   SGA3S
3854          DI       0     57.    109.   1291.   2179.
3855          DQ       0     30.     70.    860.   1440.

3856          KK   RGA4
3857          KM   STREET ROUTE
3858          KM   WEST
3859          KM   GLENDALE
3860          RS       5    FLOW     -1.
3861          RC    0.02   0.016    0.02   2600.  0.0008
3862          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
3863          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

3864          KK   D51NA
3865          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
3866          KM   51ST & NORTHERN
3867          DR   D51NA

3868          KK   R51F
3869          KM   STREET ROUTE
3870          KM   SOUTH
3871          KM   51ST Avenue
3872          RS       3    FLOW     -1.
3873          RC    0.02   0.016    0.02   2630.  0.0035
3874          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
3875          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

3876          KK   D422W
3877          KM   RETRIEVAL OF SUB-BASIN DIVERSION
3878          KM   SUB-BASIN 4-22
3879          DR   D422W

3880          KK   C51C
3881          KM   NORTH/SOUTH STREET COMBINE
3882          KM   51ST AVENUE
3883          HC       2   8.070

3884          KK   S51DS
3885          KM   STREET CAPACITY DIVERSION
3886          KM   51ST
3887          KM   DIVERSION TO WEST
3888          DT   S51DW
3889          DI       0     42.    120.   1670.   2848.
3890          DQ       0     0.1     60.   1004.   1705.
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

3891          KK   R51G
```

```
3892        KM   STREET ROUTE
3893        KM   SOUTH
3894        KM   51ST Avenue
3895        RS       3    FLOW     -1.
3896        RC    0.02   0.016    0.02   2640.  0.0021
3897        RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
3898        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

3899        KK   CGA51
3900        KM   INTERSECTION COMBINE
3901        KM   GLENDALE & 51ST
3902        HC       2   8.070

3903        KK   DGA51
3904        KM   STREET INTERSECTION DIVERSION
3905        KM   GLENDALE & 51ST
3906        KM   45% West & 55% South
3907        DT   D51GA
3908        DI       0  10000.
3909        DQ       0   5500.

3910        KK   RGA5
3911        KM   STREET ROUTE
3912        KM   WEST
3913        KM   GLENDALE
3914        RS       3    FLOW     -1.
3915        RC    0.02   0.016    0.02   2300.  0.0026
3916        RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
3917        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

3918        KK   SNA4S
3919        KM   RETRIEVAL OF STREET CAPACITY DIVERSION
3920        KM   NORTHERN
3921        DR   SNA4S

3922        KK   R522S
3923        KM   SUB-BASIN STREET ROUTE
3924        KM   SOUTH
3925        KM   RW= 170'
3926        KM   PAV= 113'
3927        RS       7    FLOW     -1.
3928        RC    0.02   0.016    0.02   5300.  0.0018
3929        RX       0     0.1    28.5    38.5   131.5   141.5    170.   170.1
3930        RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

3931        KK    5-22
3932        KM   SUB-BASIN 5-22
3933        KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
3934        KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .994
3935        KM     L = 1.27  Kb = .063  Adj. Slope =   20.0
3936        BA   1.014
3937        LG    .270    .250   5.200    .340  36.000
3938        UC   1.087    .488
```



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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

3939        UA       0       5      16      30      65      77      84      90      94      97
3940        UA     100

3941        KK   S51DW
3942        KM   RETRIEVAL OF STREET CAPACITY DIVERSION
3943        KM   51ST
3944        DR   S51DW

3945        KK   R522W
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KC7.4PRINT

```
3946        KM   SUB-BASIN STREET ROUTE
3947        KM   WEST
3948        KM   RW= 170'
3949        KM   PAV= 113'
3950        RS       6    FLOW     -1.
3951        RC    0.02   0.016    0.02   5360.  0.0031
3952        RX       0     0.1    28.5    38.5   131.5   141.5    170.   170.1
3953        RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

3954        KK   C5-22
3955        KM   SUB-BASIN COMBINE
3956        HC       3    12.1

3957        KK   D522S
3958        KM   SUB-BASIN DIVERSION
3959        KM   SUB-BASIN 5-22
3960        KM   48% West & 52% South
3961        DT   D522W
3962        DI       0  10000.
3963        DQ       0   4800.

3964        KK   CGA4
3965        KM   EAST/WEST STREET COMBINE
3966        KM   GLENDALE
3967        HC       2    12.1

3968        KK   SGA4W
3969        KM   CASE 2
3970        KM   STREET CAPACITY DIVERSION
3971        KM   GLENDALE
3972        KM   DIVERSION TO SOUTH
3973        DT   SGA4S
3974        DI       0     71.    179.   2350.   3985.
3975        DQ       0     28.    117.   1660.   2801.

3976        KK   RGA6
3977        KM   STREET ROUTE
3978        KM   WEST
3979        KM   GLENDALE
3980        RS       3    FLOW     -1.
3981        RC    0.02   0.016    0.02   3040.  0.0033
3982        RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
3983        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
```



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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

3984        KK   D59NA
3985        KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
3986        KM   59TH & NORTHERN
3987        DR   D59NA

3988        KK   R59G
3989        KM   STREET ROUTE
3990        KM   SOUTH
3991        KM   59TH Avenue
3992        RS       4    FLOW     -1.
3993        RC    0.02   0.016    0.02   2620.  0.0017
3994        RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
3995        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

3996        KK   D522W
3997        KM   RETRIEVAL OF SUB-BASIN DIVERSION
3998        KM   SUB-BASIN 5-22
3999        DR   D522W
```

```
4000          KK   C59D
4001          KM   NORTH/SOUTH STREET COMBINE
4002          KM   59TH AVENUE
4003          HC       2  12.340

4004          KK   S59DS
4005          KM   STREET CAPACITY DIVERSION
4006          KM   59TH
4007          KM   DIVERSION TO WEST
4008          DT   S59DW
4009          DI       0     34.    130.   1910.   3253.
4010          DQ       0     0.1     82.   1375.   2337.

4011          KK   R59H
4012          KM   STREET ROUTE
4013          KM   SOUTH
4014          KM   59TH Avenue
4015          RS       4    FLOW     -1.
4016          RC    0.02   0.016    0.02   2620.  0.0019
4017          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
4018          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

4019          KK   CGA59
4020          KM   INTERSECTION COMBINE
4021          KM   GLENDALE & 59TH
4022          HC       2  12.340

4023          KK   DGA59
4024          KM   STREET INTERSECTION DIVERSION
4025          KM   GLENDALE & 59TH
4026          KM   DIVERSION IS TO THE NORTH
4027          KM   ALL FLOW IS TO THE NORTH
4028          KM   0% West & 100% NORTH
4029          DT   D59GA
4030          DI       0  10000.
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

4031          DQ       0  10000.

4032          KK   D67NA
4033          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
4034          KM   NORTHERN & 67TH
4035          DR   D67NA

4036          KK   SNA5S
4037          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
4038          KM   NORTHERN
4039          DR   SNA5S

4040          KK  R622ES
4041          KM   SUB-BASIN STREET ROUTE
4042          KM   SOUTH
4043          KM   RW= 170'
4044          KM   PAV= 113'
4045          RS       8    FLOW     -1.
4046          RC    0.02   0.016    0.02   6250.  0.0020
4047          RX       0     0.1    28.5    38.5   131.5   141.5    170.   170.1
4048          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

4049          KK   6-22E
4050          KM   SUB-BASIN 6-22E
4051          KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
4052          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .997
```

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4053          KM     L =  .91  Kb = .075  Adj. Slope =   16.0
4054          BA    .498
4055          LG    .250    .150   7.600    .130  34.000
4056          UC    .983    .501
4057          UA       0       5      16      30      65      77      84      90      94      97
4058          UA     100

4059          KK   S59DW
4060          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
4061          KM   59TH AVENUE
4062          DR   S59DW

4063          KK  R622EW
4064          KM   SUB-BASIN STREET ROUTE
4065          KM   WEST
4066          KM   RW= 170'
4067          KM   PAV= 113'
4068          RS       6    FLOW     -1.
4069          RC    0.02   0.016    0.02   5300.  0.0024
4070          RX       0     0.1    28.5    38.5   131.5   141.5    170.   170.1
4071          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

4072          KK   D59GA
4073          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
4074          KM   59TH & GLENDALE
4075          DR   D59GA
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

4076          KK  C6-22E
4077          KM   SUB-BASIN COMBINE
4078          HC       5    16.9

4079          KK   8-22E
4080          KM   SUB-BASIN 8-22E
4081          KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
4082          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .997
4083          KM     L =  .88  Kb = .044  Adj. Slope =   15.0
4084          BA    .522
4085          LG    .150    .250   4.800    .380  61.000
4086          UC    .671    .311
4087          UA       0       5      16      30      65      77      84      90      94      97
4088          UA     100

4089          KK   SGA4S
4090          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
4091          KM   GLENDALE
4092          DR   SGA4S

4093          KK  R822ES
4094          KM   SUB-BASIN STREET ROUTE
4095          KM   SOUTH
4096          KM   RW= 370'
4097          KM   PAV= 253'
4098          RS       3    FLOW     -1.
4099          RC    0.02   0.016    0.02   2620.  0.0025
4100          RX       0     0.1    58.5    68.5   301.5   311.5    370.   370.1
4101          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

4102          KK  C8-22E
4103          KM   SUB-BASIN COMBINE
4104          HC       2    12.6

4105          KK  D822EW
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4106        KM   SUB-BASIN DIVERSION
4107        KM   SUB-BASIN 8-22E
4108        KM   50% NORTHWEST & 50% SOUTHEAST
4109        KM   DIVERSION IS TO THE SOUTHEAST
4110        KM   MAIN COMPUTATION PATH IS TO THE NORTHWEST
4111        DT  D822ES
4112        DI       0  10000.
4113        DQ       0   5000.

4114        KK   RGR3
4115        KM   STREET ROUTE
4116        KM   NORTHWEST
4117        KM   GRAND AVENUE
4118        KM   RW=  93'
4119        KM   PAV=  88'
4120        RS       8    FLOW     -1.
4121        RC    0.02   0.016    0.02   3760.  0.0008
4122        RX       0     0.1     2.5    12.5    80.5    90.5     93.    93.1
4123        RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0
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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

4124        KK  C622EA
4125        KM   SUB-BASIN COMBINE
4126        HC       2    17.4

4127        KK   RES6
4128        KM   PONDING AREA RESERVOIR ROUTE
4129        KM   EXISTING PONDING AREA AND SURCHARGE BASIN - "WEST BASIN" PER FCD 94-12
4130        KM   FOR THE ORANGEWOOD AVENUE STORM DRAIN SYSTEM AT ABOUT 65TH AVENUE
4131        KM   PONDING AREA NORTHEAST OF GRAND AVENUE/RR EMBANKMENT
4132        KM   STORM DRAIN ALONG ORANGEWOOD AVE AS PART OF ORANGEWOOD S.D. SYSTEM
4133        KM   CAP= 108.0 CFS WEST
4134        KM   SUB-BASIN 6-22E
4135        RS       1    FLOW      0.
4136        SV      0.    73.5    147.    150.    163.    190.    235.    293.    365.    450.
4137        SE   1131.   1136.   1141.   1142.   1143.   1144.   1145.   1146.   1147.   1148.
4138        SQ      0.    108.    108.    108.    108.    108.    108.   2298.   9138.  20498.

4139        KK  R622WW
4140        KM   SUB-BASIN STREET ROUTE
4141        KM   WEST
4142        KM   RW= 100'
4143        KM   PAV= 70'
4144        RS       2    FLOW     -1.
4145        RC    0.02   0.016    0.02   2200.  0.0034
4146        RX       0     0.1    15.0    25.0    75.0    85.0    100.    100.1
4147        RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

4148        KK   6-22W
4149        KM   SUB-BASIN 6-22W
4150        KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
4151        KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .997
4152        KM     L =  .70  Kb = .058  Adj. Slope =   19.0
4153        BA    .474
4154        LG    .200    .250   6.000    .240  51.000
4155        UC    .629    .255
4156        UA       0       5      16      30      65      77      84      90      94      97
4157        UA     100

4158        KK  C6-22W
4159        KM   SUB-BASIN COMBINE
4160        HC       2    17.9
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4161        KK  D622WS
4162        KM   SUB-BASIN DIVERSION
4163        KM   SUB-BASIN 6-22W
4164        KM   36% West & 64% South
4165        KM   DIVERSION WEST
4166        KM   STORM DRAIN ALONG ORANGEWOOD AVE AS PART OF ORANGEWOOD S.D. SYSTEM
4167        KM   CAP= 235.0 CFS WEST
4168        DT  D622WW
4169        DI       0    235.    435.    735.   1235.   2235.
4170        DQ       0    235.    307.    415.    595.    955.
1                                        HEC-1 INPUT                                    PAGE 93

LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


4171        KK   CGA5
4172        KM   EAST/WEST STREET COMBINE
4173        KM   GLENDALE
4174        HC       2    17.9

4175        KK   SGA5W
4176        KM   STREET CAPACITY DIVERSION
4177        KM   GLENDALE AVENUE
4178        KM   DIVERSION TO SOUTH
4179        DT   SGA5S
4180        DI       0     49.    141.   1971.   3361.
4181        DQ       0     0.1     71.   1190.   2021.

4182        KK   RGA7
4183        KM   STREET ROUTE
4184        KM   WEST
4185        KM   GLENDALE
4186        RS       2    FLOW     -1.
4187        RC    0.02   0.016    0.02   2500.  0.0041
4188        RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
4189        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

4190        KK  D622WW
4191        KM   RETRIEVAL OF SUB-BASIN DIVERSION
4192        KM   SUB-BASIN 6-22W
4193        DR  D622WW

4194        KK   S67ES
4195        KM   STREET CAPACITY DIVERSION
4196        KM   67TH AVENUE
4197        KM   DIVERSION TO WEST
4198        KM   STORM DRAIN ALONG ORANGEWOOD AVENUE
4199        KM   CAP= 235.0 CFS WEST
4200        DT   S67EW
4201        DI       0    235.    275.    308.   1136.   1775.
4202        DQ       0    235.    235.    251.    495.    677.

4203        KK   R67I
4204        KM   STREET ROUTE
4205        KM   SOUTH
4206        KM   67TH Avenue
4207        RS       4    FLOW     -1.
4208        RC    0.02   0.016    0.02   2660.  0.0012
4209        RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
4210        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

4211        KK   CGA67
4212        KM   INTERSECTION COMBINE
4213        KM   GLENDALE & 67TH
4214        HC       2    17.9
1                                        HEC-1 INPUT                                    PAGE 94
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

4215          KK   DGA67
4216          KM   STREET INTERSECTION DIVERSION
4217          KM   GLENDALE & 67TH
4218          KM   70% West & 30% South
4219          DT   D67GA
4220          DI       0  10000.
4221          DQ       0   3000.

4222          KK    RGA8
4223          KM   STREET ROUTE
4224          KM   WEST
4225          KM   GLENDALE
4226          RS       3    FLOW     -1.
4227          RC    0.02   0.016    0.02   2680.  0.0035
4228          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
4229          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

4230          KK   SNA6S
4231          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
4232          KM   NORTHERN
4233          DR   SNA6S

4234          KK   R121S
4235          KM   SUB-BASIN STREET ROUTE
4236          KM   SOUTH
4237          KM   RW= 70'
4238          KM   PAV= 43'
4239          RS       6    FLOW     -1.
4240          RC    0.02   0.016    0.02   5310.  0.0027
4241          RX       0     0.1    13.5    23.5    46.5    56.5     70.    70.1
4242          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

4243          KK    1-21
4244          KM   SUB-BASIN 1-21
4245          KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
4246          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .994
4247          KM     L = 1.43  Kb = .071  Adj. Slope =   14.0
4248          BA    .999
4249          LG    .370    .150   8.800    .080  17.000
4250          UC   1.408    .721
4251          UA       0       5      16      30      65      77      84      90      94      97
4252          UA     100

4253          KK    RET1
4254          KM   RETENTION BASIN DIVERSION
4255          KM   SUB-BASIN 1-21
4256          KM    7% OF SUB-BASIN DRAINS TO RETENTION BASIN
4257          DT   D1-21    3.66
4258          DI       0  10000.
4259          DQ       0    700.
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

4260          KK   S67EW
4261          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
4262          KM   67TH
4263          DR   S67EW

4264          KK    RES1
4265          KM   SURCHARGE BASIN DIVERSION
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4266          KM   "WEST BASIN" PER FCD 94-12
4267          KM   FOR THE ORANGEWOOD AVENUE STORM DRAIN SYSTEM AT ABOUT 71ST AVENUE
4268          KM   PEAK DISCHARGE CAPACITY OF DIVERSION PIPE = 185 CFS
4269          DT  RES100    45.0    185.
4270          DI       0    185.  10000.
4271          DQ       0    185.    185.

4272          KK   R121W
4273          KM   SUB-BASIN STREET ROUTE
4274          KM   WEST
4275          KM   RW= 170'
4276          KM   PAV= 113'
4277          RS       6    FLOW     -1.
4278          RC    0.02   0.016    0.02   5290.  0.0025
4279          RX       0     0.1    28.5    38.5   131.5   141.5    170.   170.1
4280          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

4281          KK   C1-21
4282          KM   SUB-BASIN COMBINE
4283          HC       3  27.655

4284          KK   D121S
4285          KM   SUB-BASIN DIVERSION
4286          KM   SUB-BASIN 1-21
4287          KM   33% West & 67% South
4288          KM   DIVERSION WEST
4289          KM   STORM DRAIN ALONG ORANGEWOOD AVE AS PART OF ORANGEWOOD S.D. SYSTEM
4290          KM   CAP=  83.0 CFS WEST
4291          DT   D121W
4292          DI       0     83.    283.    583.   1083.   2083.
4293          DQ       0     83.    149.    248.    413.    743.

4294          KK    CGA6
4295          KM   EAST/WEST STREET COMBINE
4296          KM   GLENDALE AVENUE
4297          HC       2  27.655

4298          KK   SGA6W
4299          KM   STREET CAPACITY DIVERSION
4300          KM   GLENDALE AVENUE
4301          KM   DIVERSION TO SOUTH
4302          DT   SGA6S
4303          DI       0     45.     80.    974.   1667.
4304          DQ       0     0.1     16.    260.    442.
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

4305          KK    RGA9
4306          KM   STREET ROUTE
4307          KM   WEST
4308          KM   GLENDALE AVENUE
4309          RS       3    FLOW     -1.
4310          RC    0.02   0.016    0.02   2660.  0.0029
4311          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
4312          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

4313          KK   D75NA
4314          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
4315          KM   75TH & NORTHERN
4316          DR   D75NA

4317          KK    R75I
4318          KM   STREET ROUTE
4319          KM   SOUTH
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4320          KM   75TH Avenue
4321          RS      3    FLOW     -1.
4322          RC   0.02   0.016    0.02   2650.  0.0025
4323          RX   44.9     45.     66.    66.1    134.   134.1    155.   155.1
4324          RY    4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

4325          KK   D121W
4326          KM   RETRIEVAL OF SUB-BASIN DIVERSION
4327          KM   SUB-BASIN 1-21
4328          DR   D121W

4329          KK    C75D
4330          KM   NORTH/SOUTH STREET COMBINE
4331          KM   75TH AVENUE
4332          HC      2  27.655

4333          KK   S75FS
4334          KM   STREET CAPACITY DIVERSION
4335          KM   75TH
4336          KM   DIVERSION TO WEST
4337          KM   STORM DRAIN ALONG ORANGEWOOD AVENUE
4338          KM   CAP= 124 CFS WEST
4339          DT   S75FW
4340          DI      0    124.    167.    223.   1432.   2357.
4341          DQ      0    124.    124.    162.    756.   1198.

4342          KK    R75J
4343          KM   STREET ROUTE
4344          KM   SOUTH
4345          KM   75TH Avenue
4346          RS      3    FLOW     -1.
4347          RC   0.02   0.016    0.02   2640.  0.0033
4348          RX   44.9     45.     66.    66.1    134.   134.1    155.   155.1
4349          RY    4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

4350          KK   CGA75
4351          KM   INTERSECTION COMBINE
4352          KM   GLENDALE & 75TH
4353          HC      2  27.655

4354          KK   DGA75
4355          KM   STREET INTERSECTION DIVERSION
4356          KM   GLENDALE & 75TH
4357          KM   39% West & 61% South
4358          DT   D75GA
4359          DI      0  10000.
4360          DQ      0   6100.

4361          KK   RGA10
4362          KM   STREET ROUTE
4363          KM   WEST
4364          KM   GLENDALE
4365          RS      3    FLOW     -1.
4366          RC   0.02   0.016    0.02   2610.  0.0025
4367          RX   44.9     45.     66.    66.1    134.   134.1    155.   155.1
4368          RY    4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

4369          KK   SNA7S
4370          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
4371          KM   GLENDALE
4372          DR   SNA7S
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K/14PRINT

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4373        KK   R221S
4374        KM   SUB-BASIN STREET ROUTE
4375        KM   SOUTH
4376        KM   RW= 50'
4377        KM   PAV= 35'
4378        RS       8    FLOW     -1.
4379        RC    0.02   0.016    0.02   5270.  0.0014
4380        RX       0     0.1     7.5    17.5    32.5    42.5     50.    50.1
4381        RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

4382        KK    2-21
4383        KM   SUB-BASIN 2-21
4384        KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
4385        KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .994
4386        KM     L = 1.15  Kb = .075  Adj. Slope =   16.0
4387        BA    .996
4388        LG    .390    .160   7.600    .130   9.000
4389        UC   1.229    .521
4390        UA       0       5      16      30      65      77      84      90      94      97
4391        UA     100

4392        KK   S75FW
4393        KM   RETRIEVAL OF STREET CAPACITY DIVERSION
4394        KM   75TH
4395        DR   S75FW
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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

4396        KK   R221W
4397        KM   SUB-BASIN STREET ROUTE
4398        KM   WEST
4399        KM   RW= 70'
4400        KM   PAV= 43'
4401        RS       6    FLOW     -1.
4402        RC    0.02   0.016    0.02   5300.  0.0029
4403        RX       0     0.1    13.5    23.5    46.5    56.5     70.    70.1
4404        RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

4405        KK   C2-21
4406        KM   SUB-BASIN COMBINE
4407        HC       3  30.196

4408        KK   D221S
4409        KM   SUB-BASIN DIVERSION
4410        KM   SUB-BASIN 2-21
4411        KM   49% West & 51% South
4412        KM   DIVERSION WEST
4413        KM   STORM DRAIN ALONG ORANGEWOOD AVE AS PART OF ORANGEWOOD S.D. SYSTEM
4414        KM   CAP= 159.0 CFS WEST
4415        DT   D221W
4416        DI       0    159.    359.    659.   1159.   2159.
4417        DQ       0    159.    257.    404.    649.   1139.

4418        KK    CGA7
4419        KM   EAST/WEST STREET COMBINE
4420        KM   GLENDALE AVENUE
4421        HC       2  30.196

4422        KK   SGA7W
4423        KM   STREET CAPACITY DIVERSION
4424        KM   GLENDALE
4425        KM   DIVERSION TO SOUTH
4426        DT   SGA7S
4427        DI       0     46.    103.   1357.   2317.
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4428          DQ      0     0.1     38.    632.   1074.

4429          KK   RGA11
4430          KM   STREET ROUTE
4431          KM   WEST
4432          KM   GLENDALE AVENUE
4433          RS       2    FLOW     -1.
4434          RC    0.02   0.016    0.02   2630.  0.0041
4435          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
4436          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

4437          KK   D83NA
4438          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
4439          KM   83RD & NORTHERN
4440          DR   D83NA
              *
              * KM NO STREET ROUTE SOUTH FROM 83RD AND NORTHERN
              * KM DUE TO GRADE BREAK ALONG 83RD AVENUE
              *
1                                   HEC-1 INPUT                                    PAGE 99

LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


4441          KK   D221W
4442          KM   RETRIEVAL OF SUB-BASIN DIVERSION
4443          KM   SUB-BASIN 2-21
4444          DR   D221W

4445          KK    C83D
4446          KM   NORTH/SOUTH STREET COMBINE
4447          KM   83RD AVENUE
4448          HC       2  30.196

4449          KK   S83ES
4450          KM   STREET CAPACITY DIVERSION
4451          KM   83RD AVENUE
4452          KM   DIVERSION TO WEST
4453          KM   STORM DRAIN ALONG 83RD AVENUE AS PART OF ORANGEWOOD STORM DRAIN SYSTEM
4454          KM   CAP= 220.0 CFS SOUTH
4455          DT   S83EW
4456          DI       0    250.    274.    877.   1344.
4457          DQ       0     0.1     11.    186.    316.

4458          KK    R83I
4459          KM   STREET ROUTE
4460          KM   SOUTH
4461          KM   83RD Avenue
4462          RS       2    FLOW     -1.
4463          RC    0.02   0.016    0.02   2630.  0.0040
4464          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
4465          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

4466          KK   CGA83
4467          KM   INTERSECTION COMBINE
4468          KM   GLENDALE & 83RD
4469          HC       2  30.196

4470          KK   DGA83
4471          KM   STREET INTERSECTION DIVERSION
4472          KM   GLENDALE & 83RD
4473          KM   60% West & 40% South
4474          KM   DIVERSION SOUTH
4475          KM   STORM DRAIN ALONG GLENDALE AVENUE AS PART OF ORANGEWOOD S.D. SYSTEM
4476          KM   CAP= 455.0 CFS WEST
4477          DT   D83GA
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4478          DI       0    455.  10455.
4479          DQ       0     0.1   4000.

4480          KK   RGA12
4481          KM   STREET ROUTE
4482          KM   WEST
4483          KM   GLENDALE
4484          RS       4    FLOW     -1.
4485          RC    0.02   0.016    0.02   2690.  0.0020
4486          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
4487          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
1                                          HEC-1 INPUT                                                    PAGE100

LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


4488          KK   SNA8S
4489          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
4490          KM   NPRTHERN AVENUE
4491          DR   SNA8S

4492          KK   R321S
4493          KM   SUB-BASIN STREET ROUTE
4494          KM   SOUTH
4495          KM   RW= 50'
4496          KM   PAV= 35'
4497          RS       8    FLOW     -1.
4498          RC    0.02   0.016    0.02   5280.  0.0014
4499          RX       0     0.1     7.5    17.5    32.5    42.5     50.    50.1
4500          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

4501          KK    3-21
4502          KM   SUB-BASIN 3-21
4503          KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
4504          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .994
4505          KM     L = 1.42  Kb = .080  Adj. Slope =    8.0
4506          BA    .981
4507          LG    .490    .170   6.800    .200   1.000
4508          UC   1.500    .777
4509          UA       0       5      16      30      65      77      84      90      94      97
4510          UA     100

4511          KK   S83EW
4512          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
4513          KM   83RD
4514          DR   S83EW

4515          KK   R321W
4516          KM   SUB-BASIN STREET ROUTE
4517          KM   WEST
4518          KM   RW= 50'
4519          KM   PAV= 35'
4520          RS       5    FLOW     -1.
4521          RC    0.02   0.016    0.02   5310.  0.0033
4522          RX       0     0.1     7.5    17.5    32.5    42.5     50.    50.1
4523          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

4524          KK   C3-21
4525          KM   SUB-BASIN COMBINE
4526          HC       3  34.462

4527          KK   D321S
4528          KM   SUB-BASIN DIVERSION
4529          KM   SUB-BASIN 3-21
4530          KM   31% West & 69% South
4531          DT   D321W
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4532          DI       0  10000.
4533          DQ       0   3100.
1                                   HEC-1 INPUT                                                    PAGE101

LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

4534          KK    CGA8
4535          KM   EAST/WEST STREET COMBINE
4536          KM   GLENDALE AVENUE
4537          HC       2  34.462

4538          KK   SGA8W
4539          KM   STREET CAPACITY DIVERSION
4540          KM   GLENDALE AVENUE
4541          KM   DIVERSION TO SOUTH
4542          KM   STORM DRAIN ALONG GLENDALE AVENUE AS PART OF ORANGEWOOD S.D. SYSTEM
4543          KM   CAP= 455.0 CFS
4544          DT   SGA8S
4545          DI       0    500.    530.   1355.   1995.
4546          DQ       0     0.1     11.    186.    316.

4547          KK   RGA13
4548          KM   STREET ROUTE
4549          KM   WEST
4550          KM   GLENDALE AVENUE
4551          RS       2    FLOW     -1.
4552          RC    0.02   0.016    0.02   2650.  0.0044
4553          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
4554          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

4555          KK   D91NA
4556          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
4557          KM   91ST & NORTHERN
4558          DR   D91NA

4559          KK    R91E
4560          KM   STREET ROUTE
4561          KM   SOUTH
4562          KM   91ST Avenue
4563          RS       3    FLOW     -1.
4564          RC    0.02   0.016    0.02   2570.  0.0033
4565          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
4566          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

4567          KK   D321W
4568          KM   RETRIEVAL OF SUB-BASIN DIVERSION
4569          KM   SUB-BASIN 3-21
4570          DR   D321W

4571          KK    C91C
4572          KM   NORTH/SOUTH STREET COMBINE
4573          KM   91ST AVENUE
4574          HC       2  34.462

4575          KK   S91CS
4576          KM   STREET CAPACITY DIVERSION
4577          KM   91ST
4578          KM   DIVERSION TO WEST
4579          DT   S91CW
4580          DI       0     46.     76.    909.   1555.
1                                   HEC-1 INPUT                                                    PAGE102

LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

4581          DQ       0     0.1     11.    186.    316.
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4582          KK    R91F
4583          KM   STREET ROUTE
4584          KM   SOUTH
4585          KM   91ST Avenue
4586          RS       3    FLOW     -1.
4587          RC    0.02   0.016    0.02   2610.  0.0032
4588          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
4589          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

4590          KK   CGA91
4591          KM   INTERSECTION COMBINE
4592          KM   GLENDALE & 91ST
4593          HC       2  34.462

4594          KK   DGA91
4595          KM   STREET INTERSECTION DIVERSION
4596          KM   GLENDALE & 91ST
4597          KM   64% West & 36% South
4598          KM   DIVERSION SOUTH
4599          KM   STORM DRAIN ALONG GLENDALE AVENUE AS PART OF ORANGEWOOD S.D. SYSTEM
4600          KM   CAP= 455.0 CFS WEST
4601          DT   D91GA
4602          DI       0    455.  10455.
4603          DQ       0     0.1   3600.

4604          KK   RGA14
4605          KM   STREET ROUTE
4606          KM   WEST
4607          KM   GLENDALE
4608          RS       2    FLOW     -1.
4609          RC    0.02   0.016    0.02   2580.  0.0040
4610          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
4611          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

4612          KK    4-21
4613          KM   SUB-BASIN 4-21
4614          KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
4615          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .995
4616          KM     L = 1.35  Kb = .080  Adj. Slope =   13.0
4617          BA    .875
4618          LG    .490    .190   6.600    .220   2.000
4619          UC   1.500    .796
4620          UA       0       5      16      30      65      77      84      90      94      97
4621          UA     100

4622          KK    RET4
4623          KM   RETENTION BASIN DIVERSION
4624          KM   SUB-BASIN 4-21
4625          KM   13% OF SUB-BASIN DRAINS TO RETENTION BASIN
4626          DT   D4-21    5.94
4627          DI       0  10000.
4628          DQ       0   1300.
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

4629          KK   S91CW
4630          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
4631          KM   91ST
4632          DR   S91CW

4633          KK   R421W
4634          KM   SUB-BASIN STREET ROUTE
4635          KM   WEST
```

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4636        KM   RW= 50'
4637        KM   PAV= 35'
4638        RS      6    FLOW     -1.
4639        RC   0.02   0.016    0.02   4830.  0.0022
4640        RX      0     0.1     7.5    27.5    32.5    42.5     50.    50.1
4641        RY    4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

4642        KK   C4-21
4643        KM   SUB-BASIN COMBINE
4644        HC      2  35.336

4645        KK   D421S
4646        KM   SUB-BASIN DIVERSION
4647        KM   SUB-BASIN 4-21
4648        KM   42% West & 58% South
4649        DT   D421W
4650        DI      0  10000.
4651        DQ      0   4200.

4652        KK    CGA9
4653        KM   EAST/WEST STREET COMBINE
4654        KM   GLENDALE AVENUE
4655        HC      2  35.336

4656        KK   SGA9W
4657        KM   STREET CAPACITY DIVERSION
4658        KM   GLENDALE AVENUE
4659        KM   DIVERSION TO SOUTH
4660        KM   STORM DRAIN ALONG GLENDALE AVENUE AS PART OF ORANGEWOOD S.D. SYSTEM
4661        KM   CAP= 487.0 CFS WEST
4662        DT   SGA9S
4663        DI      0    524.    551.   1262.   1814.
4664        DQ      0     0.1     11.    186.    316.

4665        KK   RGA15
4666        KM   STREET ROUTE
4667        KM   WEST
4668        KM   GLENDALE AVENUE
4669        RS      7    FLOW     -1.
4670        RC   0.02   0.016    0.02   2690.  0.0005
4671        RX   44.9     45.     66.    66.1    134.   134.1    155.   155.1
4672        RY    4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
1                                        HEC-1 INPUT                                                    PAGE104

LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


4673        KK   D421W
4674        KM   RETRIEVAL OF SUB-BASIN DIVERSION
4675        KM   SUB-BASIN 4-21
4676        DR   D421W

4677        KK    R99A
4678        KM   STREET ROUTE
4679        KM   SOUTH
4680        KM   99TH Avenue
4681        RS      3    FLOW     -1.
4682        RC   0.02   0.016    0.02   2610.  0.0026
4683        RX   44.9     45.     66.    66.1    134.   134.1    155.   155.1
4684        RY    4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

4685        KK   CGA99
4686        KM   INTERSECTION COMBINE
4687        KM   GLENDALE & 99TH
4688        HC      2  35.336
```


K24P8A7NT

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4689          KK   DGA99
4690          KM   STREET INTERSECTION DIVERSION
4691          KM   GLENDALE & 99TH
4692          KM   00% West & 100% South
4693          KM   DIVERSION SOUTH
4694          KM   STORM DRAIN ALONG GLENDALE AVENUE AS PART OF ORANGEWOOD S.D. SYSTEM
4695          KM   CAP= 487.0 CFS WEST
4696          DT   D99GA
4697          DI       0    487.  10487.
4698          DQ       0     0.1  10000.
              *
              * NO ROUTE ALONG GLENDALE DUE TO NEGATIVE SLOPE TO THE WEST
              *

4699          KK   5-21
4700          KM   SUB-BASIN 5-21
4701          KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
4702          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .998
4703          KM     L =  .74  Kb = .053  Adj. Slope =   16.0
4704          BA    .348
4705          LG    .320    .270   6.400    .190  11.000
4706          UC    .696    .355
4707          UA       0       5      16      30      65      77      84      90      94      97
4708          UA     100

4709          KK   C5-21
4710          KM   SUB-BASIN COMBINE
4711          HC       2  35.681

4712          KK   NULL4
4713          KM   NULL COMBINE @ GLENDALE AVE C.P.
4714          HC       2     1.
              *
              * BETHANY HOME ROAD COMPUTATION PATH
              *
1                                          HEC-1 INPUT                                          PAGE105

LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


4715          KK   11-22
4716          KM   SUB-BASIN 11-22
4717          KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
4718          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .994
4719          KM     L = 1.48  Kb = .064  Adj. Slope =   14.0
4720          BA   1.006
4721          LG    .220    .260   5.200    .290  38.000
4722          UC   1.429    .750
4723          UA       0       5      16      30      65      77      84      90      94      97
4724          UA     100

4725          KK  D1122S
4726          KM   SUB-BASIN DIVERSION
4727          KM   SUB-BASIN 11-22
4728          KM   21% West & 79% South
4729          DT  D1122W
4730          DI       0  10000.
4731          DQ       0   2100.

4732          KK   SGA1S
4733          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
4734          KM   GLENDALE
4735          DR   SGA1S

4736          KK  R1122S
4737          KM   SUB-BASIN STREET ROUTE
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4738          KM   SOUTH
4739          KM   RW= 120'
4740          KM   PAV= 78'
4741          RS       5    FLOW     -1.
4742          RC    0.02   0.016    0.02   5250.  0.0036
4743          RX       0     0.1    21.0    31.0    89.0    99.0    120.   120.1
4744          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

4745          KK  C11-22
4746          KM   SUB-BASIN COMBINE
4747          HC       2     3.5

4748          KK  SD31A
4749          KM   STORM DRAIN DIVERSION
4750          KM   STORM DRAIN ALONG HALF MILE STREET
4751          KM   EXISTING STORM DRAIN ALONG 31ST AVENUE
4752          KM   DIVERSION SOUTH
4753          KM   CAP= 147 CFS SOUTH
4754          DT  SD31AS
4755          DI       0    147.  10147.
4756          DQ       0    147.    147.

4757          KK   SBH1E
4758          KM   STREET CAPACITY DIVERSION
4759          KM   BETHANY HOME ROAD
4760          KM   SPECIAL CASE
4761          KM   50/50 SPLIT EAST/WEST DUE TO GRADE BREAK
4762          DT   SBH1W
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

4763          DI       0  10000.
4764          DQ       0   5000.

4765          KK   RBH1
4766          KM   STREET ROUTE
4767          KM   EAST
4768          KM   BETHANY HOME ROAD
4769          RS       5    FLOW     -1.
4770          RC    0.02   0.016    0.02   2630.  0.0011
4771          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
4772          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

4773          KK   D27GA
4774          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
4775          KM   27TH & GLENDALE
4776          DR   D27GA

4777          KK   R27C
4778          KM   STREET ROUTE
4779          KM   SOUTH
4780          KM   27TH Avenue
4781          RS       5    FLOW     -1.
4782          RC    0.02   0.016    0.02   5270.  0.0039
4783          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
4784          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

4785          KK   12-22
4786          KM   SUB-BASIN 12-22
4787          KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
4788          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .999
4789          KM     L =  .68  Kb = .069  Adj. Slope =   15.0
4790          BA    .245
4791          LG    .200    .260   4.800    .340  49.000
4792          UC    .800    .473
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```
4793        UA      0      5     16     30     65     77     84     90     94     97
4794        UA    100

4795        KK   CBH27
4796        KM   INTERSECTION COMBINE
4797        KM   BETHANY HOME & 27TH
4798        HC      3    21.3

4799        KK   DBH27
4800        KM   STREET INTERSECTION DIVERSION
4801        KM   BETHANY HOME & 27TH
4802        KM   0% West & 100% South
4803        KM   DIVERSION SOUTH
4804        KM   EXISTING STORM DRAIN ALONG 27TH AVENUE
4805        KM   CAP= 145 CFS SOUTH
4806        DT   D27BH
4807        DI      0  10000.
4808        DQ      0  10000.
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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

4809        KK   D35GA
4810        KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
4811        KM   35TH & GLENDALE
4812        DR   D35GA

4813        KK   R35E
4814        KM   STREET ROUTE
4815        KM   SOUTH
4816        KM   35TH Avenue
4817        RS      2    FLOW     -1.
4818        RC   0.02   0.016    0.02   2620.  0.0054
4819        RX   44.9     45.     66.    66.1    134.   134.1    155.   155.1
4820        RY    4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

4821        KK  D1122W
4822        KM   RETRIEVAL OF SUB-BASIN DIVERSION
4823        KM   SUB-BASIN 11-22
4824        DR  D1122W

4825        KK   C35C
4826        KM   NORTH/SOUTH STREET COMBINE
4827        KM   35TH AVENUE
4828        HC      2     3.1

4829        KK   R35F
4830        KM   STREET ROUTE
4831        KM   SOUTH
4832        KM   35TH Avenue
4833        RS      2    FLOW     -1.
4834        RC   0.02   0.016    0.02   2630.  0.0042
4835        RX   44.9     45.     66.    66.1    134.   134.1    155.   155.1
4836        RY    4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

4837        KK   SBH1W
4838        KM   RETRIEVAL OF STREET CAPACITY DIVERSION
4839        KM   SPECIAL CASE
4840        KM   50/50 SPLIT EAST/WEST DUE TO GRADE BREAK
4841        KM   BETHANY HOME ROAD
4842        DR   SBH1W

4843        KK   RBH2
4844        KM   STREET ROUTE
4845        KM   WEST
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4846          KM   BETHANY HOME
4847          RS       4    FLOW     -1.
4848          RC    0.02   0.016    0.02   2650.  0.0012
4849          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
4850          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

4851          KK   SGA2S
4852          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
4853          KM   GLENDALE
4854          DR   SGA2S

4855          KK  R1022S
4856          KM   SUB-BASIN STREET ROUTE
4857          KM   SOUTH
4858          KM   RW= 70'
4859          KM   PAV= 43'
4860          RS       5    FLOW     -1.
4861          RC    0.02   0.016    0.02   5260.  0.0034
4862          RX       0     0.1    13.5    23.5    46.5    56.5     70.    70.1
4863          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

4864          KK   10-22
4865          KM   SUB-BASIN 10-22
4866          KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
4867          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .994
4868          KM     L = 1.35  Kb = .077  Adj. Slope =   15.0
4869          BA    .991
4870          LG    .240    .250   5.300    .300  33.000
4871          UC   1.500    .742
4872          UA       0       5      16      30      65      77      84      90      94      97
4873          UA     100

4874          KK  C10-22
4875          KM   SUB-BASIN COMBINE
4876          HC       2     5.7

4877          KK  SD39A
4878          KM   STORM DRAIN DIVERSION
4879          KM   STORM DRAIN ALONG HALF MILE STREET
4880          KM   EXISTING STORM DRAIN ALONG 39TH AVENUE
4881          KM   DIVERSION SOUTH
4882          KM   CAP= 164 CFS SOUTH
4883          DT  SD39AS
4884          DI       0    164.  10164.
4885          DQ       0    164.    164.

4886          KK  D1022E
4887          KM   SUB-BASIN DIVERSION
4888          KM   SUB-BASIN 10-22
4889          KM   59% WEST & 41% EAST
4890          DT  D1022W
4891          DI       0  10000.
4892          DQ       0   5900.

4893          KK   CBH35
4894          KM   INTERSECTION COMBINE
4895          KM   BETHANY HOME & 35TH
4896          HC       4     7.1
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10
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4897          KK   DBH35
4898          KM   STREET INTERSECTION DIVERSION
4899          KM   BETHANY HOME & 35TH
4900          KM   0% West & 100% South
4901          KM   DIVERSION SOUTH
4902          KM   EXISTING STORM DRAIN ALONG 35TH AVENUE
4903          KM   CAP=  55 CFS SOUTH
4904          DT   D35BH
4905          DI       0  10000.
4906          DQ       0  10000.

4907          KK   D43GA
4908          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
4909          KM   43RD & GLENDALE
4910          DR   D43GA

4911          KK   R43F
4912          KM   STREET ROUTE
4913          KM   SOUTH
4914          KM   43TH Avenue
4915          RS       3    FLOW     -1.
4916          RC    0.02   0.016    0.02   2610.  0.0025
4917          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
4918          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

4919          KK  D1022W
4920          KM   RETRIEVAL OF SUB-BASIN DIVERSION
4921          KM   SUB-BASIN 10-22
4922          DR  D1022W

4923          KK   C43D
4924          KM   NORTH/SOUTH STREET COMBINE
4925          KM   43TH AVENUE
4926          HC       2     5.7

4927          KK   S43DS
4928          KM   STREET CAPACITY DIVERSION
4929          KM   43RD AVENUE
4930          KM   DIVERSION TO WEST
4931          KM   EXISTING STORM DRAIN ALONG 43RD AVENUE
4932          KM   CAP= 100 CFS SOUTH
4933          DT   S43DW
4934          DI       0    132.    172.   1379.   2296.
4935          DQ       0     0.1     32.    741.   1279.

4936          KK   R43G
4937          KM   STREET ROUTE
4938          KM   SOUTH
4939          KM   43TH Avenue
4940          RS       3    FLOW     -1.
4941          RC    0.02   0.016    0.02   2620.  0.0031
4942          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
4943          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
1                                          HEC-1 INPUT                                    PAGE110

LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


4944          KK   CBH43
4945          KM   INTERSECTION COMBINE
4946          KM   BETHANY HOME & 43TH
4947          HC       2     5.7

4948          KK   DBH43
4949          KM   STREET INTERSECTION DIVERSION
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4950          KM   BETHANY HOME & 43RD
4951          KM   51% West & 49% South
4952          KM   DIVERSION SOUTH
4953          KM   EXISTING STORM DRAIN ALONG 43RD AVENUE
4954          KM   CAP= 100 CFS SOUTH
4955          DT   D43BH
4956          DI       0    100.  10100.
4957          DQ       0    100.   5000.

4958          KK   RBH3
4959          KM   STREET ROUTE
4960          KM   WEST
4961          KM   BETHANY HOME ROAD
4962          RS       4    FLOW     -1.
4963          RC    0.02   0.016    0.02   2610.  0.0015
4964          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
4965          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

4966          KK   SGA3S
4967          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
4968          KM   GLENDALE
4969          DR   SGA3S

4970          KK   R922S
4971          KM   SUB-BASIN STREET ROUTE
4972          KM   SOUTH
4973          KM   RW= 170'
4974          KM   PAV= 113'
4975          RS       6    FLOW     -1.
4976          RC    0.02   0.016    0.02   5230.  0.0028
4977          RX       0     0.1    28.5    38.5   131.5   141.5    170.   170.1
4978          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

4979          KK    9-22
4980          KM   SUB-BASIN 9-22
4981          KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
4982          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .994
4983          KM     L = 1.36  Kb = .069  Adj. Slope =   13.0
4984          BA    .990
4985          LG    .220    .230   6.200    .210  42.000
4986          UC   1.421    .703
4987          UA       0       5      16      30      65      77      84      90      94      97
4988          UA     100
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

4989          KK   S43DW
4990          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
4991          KM   43RD
4992          DR   S43DW

4993          KK   R922W
4994          KM   SUB-BASIN STREET ROUTE
4995          KM   WEST
4996          KM   RW= 270'
4997          KM   PAV= 183'
4998          RS       7    FLOW     -1.
4999          RC    0.02   0.016    0.02   5240.  0.0020
5000          RX       0     0.1    43.5    53.5   216.5   226.5    270.   270.1
5001          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

5002          KK   C9-22
5003          KM   SUB-BASIN COMBINE
5004          HC       3    10.1
```

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5005          KK   D922S
5006          KM   SUB-BASIN DIVERSION
5007          KM   SUB-BASIN 9-22
5008          KM   34% West & 66% South
5009          DT   D922W
5010          DI       0  10000.
5011          DQ       0   3400.

5012          KK   CBH1
5013          KM   EAST/WEST STREET COMBINE
5014          KM   BETHANY HOME
5015          HC       2    10.1

5016          KK   SBH2W
5017          KM   CASE 2
5018          KM   STREET CAPACITY DIVERSION
5019          KM   BETHANY HOME ROAD
5020          KM   DIVERSION TO SOUTH
5021          DT   SBH2S
5022          DI       0     93.    160.   1761.   2958.
5023          DQ       0     62.    115.   1270.   2114.

5024          KK   RBH4
5025          KM   STREET ROUTE
5026          KM   WEST
5027          KM   BETHANY HOME ROAD
5028          RS       4    FLOW     -1.
5029          RC    0.02   0.016    0.02   2590.  0.0015
5030          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
5031          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
1                                          HEC-1 INPUT                                                    PAGE112

LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


5032          KK   D51GA
5033          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
5034          KM   51ST & GLENDALE
5035          DR   D51GA

5036          KK   R51H
5037          KM   STREET ROUTE
5038          KM   SOUTH
5039          KM   51ST Avenue
5040          RS       2    FLOW     -1.
5041          RC    0.02   0.016    0.02   2600.  0.0042
5042          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
5043          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

5044          KK   D922W
5045          KM   RETRIEVAL OF SUB-BASIN DIVERSION
5046          KM   SUB-BASIN 9-22
5047          DR   D922W

5048          KK   C51D
5049          KM   NORTH/SOUTH STREET COMBINE
5050          KM   51ST AVENUE
5051          HC       2    10.1

5052          KK   S51ES
5053          KM   STREET CAPACITY DIVERSION
5054          KM   51ST
5055          KM   DIVERSION TO WEST
5056          DT   S51EW
5057          DI       0     44.    134.   1894.   3229.
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5058          DQ      0     0.1     71.   1190.   2021.

5059          KK   R51I
5060          KM   STREET ROUTE
5061          KM   SOUTH
5062          KM   51ST Avenue
5063          RS       3    FLOW     -1.
5064          RC    0.02   0.016    0.02   2630.  0.0021
5065          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
5066          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

5067          KK   CBH51
5068          KM   INTERSECTION COMBINE
5069          KM   BETHANY HOME & 51ST
5070          HC       2    10.1

5071          KK   DBH51
5072          KM   STREET INTERSECTION DIVERSION
5073          KM   BETHANY HOME & 51ST
5074          KM   0% West & 100% South
5075          DT   D51BH
5076          DI       0  10000.
5077          DQ       0  10000.
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

5078          KK   S51EW
5079          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
5080          KM   51ST AVENUE
5081          DR   S51EW

5082          KK  R822EW
5083          KM   SUB-BASIN STREET ROUTE
5084          KM   WEST
5085          KM   RW= 170'
5086          KM   PAV= 113'
5087          RS       5    FLOW     -1.
5088          RC    0.02   0.016    0.02   2630.  0.0008
5089          RX       0     0.1    28.5    38.5   131.5   141.5    170.   170.1
5090          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

5091          KK  D822ES
5092          KM   RETRIEVAL OF SUB-BASIN DIVERSION
5093          KM   SUB-BASIN 8-22E
5094          DR  D822ES

5095          KK  C822E1
5096          KM   SUB-BASIN COMBINE
5097          HC       2    14.6

5098          KK   RES8
5099          KM   PONDING AREA RESERVOIR ROUTE
5100          KM   PONDING AREA NORTHEAST OF GRAND AVENUE/RR EMBANKMENT
5101          KM   SUB-BASIN 8-22E
5102          RS       1    ELEV   1148.
5103          SV       0   14.95   50.65   78.30  116.78  220.43
5104          SE   1148.   1149.   1150.  1150.5   1151.   1152.
5105          SQ       0     0.1     0.2    310.   1070.   4090.

5106          KK  R822WW
5107          KM   SUB-BASIN STREET ROUTE
5108          KM   WEST
5109          KM   RW= 110'
5110          KM   PAV= 68'
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K/14PRINT

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5111          RS       4    FLOW     -1.
5112          RC    0.02   0.016    0.02   3090.  0.0022
5113          RX       0     0.1    21.0    31.0    79.0    89.0    110.   110.1
5114          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

5115          KK   8-22W
5116          KM   SUB-BASIN 8-22W
5117          KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
5118          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .997
5119          KM     L =  .51  Kb = .039  Adj. Slope =   13.0
5120          BA    .494
5121          LG    .170    .260   5.100    .340  57.000
5122          UC    .450    .133
5123          UA       0       5      16      30      65      77      84      90      94      97
5124          UA     100
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

5125          KK  D822WS
5126          KM   SUB-BASIN DIVERSION
5127          KM   SUB-BASIN 8-22W
5128          KM   21% West & 79% South
5129          DT  D822WW
5130          DI       0  10000.
5131          DQ       0   2100.

5132          KK  C8-22W
5133          KM   SUB-BASIN COMBINE
5134          HC       3    15.1

5135          KK   SBH3W
5136          KM   STREET CAPACITY DIVERSION
5137          KM   BETHANY HOME ROAD
5138          KM   DIVERSION TO SOUTH
5139          DT   SBH3S
5140          DI       0     39.     83.   1068.   1825.
5141          DQ       0     0.1     27.    446.    758.

5142          KK   RBH5
5143          KM   STREET ROUTE
5144          KM   WEST
5145          KM   BETHANY HOME
5146          RS       3    FLOW     -1.
5147          RC    0.02   0.016    0.02   2740.  0.0021
5148          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
5149          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

5150          KK  D822WW
5151          KM   RETRIEVAL OF SUB-BASIN DIVERSION
5152          KM   SUB-BASIN 8-22W
5153          DR  D822WW

5154          KK   S59ES
5155          KM   STREET CAPACITY DIVERSION
5156          KM   59TH AVENUE
5157          KM   DIVERSION TO WEST
5158          DT   S59EW
5159          DI       0     38.     92.   1238.   2113.
5160          DQ       0     0.1     38.    632.   1074.

5161          KK   R59I
5162          KM   STREET ROUTE
5163          KM   SOUTH
5164          KM   59TH Avenue
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```
5165        RS      3    FLOW     -1.
5166        RC   0.02   0.016    0.02   2690.  0.0021
5167        RX   44.9     45.     66.    66.1    134.   134.1    155.   155.1
5168        RY    4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

5169        KK   CBH59
5170        KM   INTERSECTION COMBINE
5171        KM   BETHANY HOME & 59TH
5172        HC      2    15.1

5173        KK   DBH59
5174        KM   STREET INTERSECTION DIVERSION
5175        KM   BETHANY HOME & 59TH
5176        KM   44% West & 56% South
5177        DT   D59BH
5178        DI      0  10000.
5179        DQ      0   5600.

5180        KK   RBH6
5181        KM   STREET ROUTE
5182        KM   WEST
5183        KM   BETHANY HOME
5184        RS      3    FLOW     -1.
5185        RC   0.02   0.016    0.02   2690.  0.0032
5186        RX   44.9     45.     66.    66.1    134.   134.1    155.   155.1
5187        RY    4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

5188        KK   SGA5S
5189        KM   RETRIEVAL OF STREET CAPACITY DIVERSION
5190        KM   GLENDALE
5191        DR   SGA5S

5192        KK   R722S
5193        KM   SUB-BASIN STREET ROUTE
5194        KM   SOUTH
5195        KM   RW= 320'
5196        KM   PAV= 218'
5197        RS      7    FLOW     -1.
5198        RC   0.02   0.016    0.02   5240.  0.0022
5199        RX      0     0.1    51.0    61.0   259.0   269.0    320.   320.1
5200        RY    4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

5201        KK    7-22
5202        KM   SUB-BASIN 7-22
5203        KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
5204        KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .994
5205        KM     L = 1.47  Kb = .067  Adj. Slope =   14.0
5206        BA    .970
5207        LG    .220    .260   5.600    .260  39.000
5208        UC   1.458    .779
5209        UA      0       5      16      30      65      77      84      90      94      97
5210        UA    100

5211        KK   S59EW
5212        KM   RETRIEVAL OF STREET CAPACITY DIVERSION
5213        KM   59TH
5214        DR   S59EW
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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10
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5215          KK   R722W
5216          KM   SUB-BASIN STREET ROUTE
5217          KM   WEST
5218          KM   RW= 220'
5219          KM   PAV= 148'
5220          RS       5    FLOW     -1.
5221          RC    0.02   0.016    0.02   5200.  0.0040
5222          RX       0     0.1    36.0    46.0   174.0   184.0    220.   220.1
5223          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

5224          KK   C7-22
5225          KM   SUB-BASIN COMBINE
5226          HC       3    19.3

5227          KK   D722S
5228          KM   SUB-BASIN DIVERSION
5229          KM   SUB-BASIN 7-22
5230          KM   36% West & 64% South
5231          DT   D722W
5232          DI       0  10000.
5233          DQ       0   3600.

5234          KK   CBH2
5235          KM   EAST/WEST STREET COMBINE
5236          KM   BETHANY HOME
5237          HC       2    25.8

5238          KK   SBH4W
5239          KM   STREET CAPACITY DIVERSION
5240          KM   BETHANY HOME
5241          KM   DIVERSION TO SOUTH
5242          DT   SBH4S
5243          DI       0     43.    155.   2245.   3826.
5244          DQ       0     0.1     93.   1561.   2652.

5245          KK   RBH7
5246          KM   STREET ROUTE
5247          KM   WEST
5248          KM   BETHANY HOME
5249          RS       3    FLOW     -1.
5250          RC    0.02   0.016    0.02   2510.  0.0026
5251          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
5252          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

5253          KK   D67GA
5254          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
5255          KM   67TH & GLENDALE
5256          DR   D67GA
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

5257          KK   R67J
5258          KM   STREET ROUTE
5259          KM   SOUTH
5260          KM   67TH Avenue
5261          RS       2    FLOW     -1.
5262          RC    0.02   0.016    0.02   2660.  0.0064
5263          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
5264          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

5265          KK   D722W
5266          KM   RETRIEVAL OF SUB-BASIN DIVERSION
5267          KM   SUB-BASIN 7-22
5268          DR   D722W
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5269          KK   C67E
5270          KM   NORTH/SOUTH STREET COMBINE
5271          KM   67TH AVENUE
5272          HC       2    19.3

5273          KK   S67FS
5274          KM   STREET CAPACITY DIVERSION
5275          KM   67TH
5276          KM   DIVERSION TO WEST
5277          DT   S67FW
5278          DI       0     30.     69.    918.   1567.
5279          DQ       0     0.1     27.    446.    758.

5280          KK   R67K
5281          KM   STREET ROUTE
5282          KM   SOUTH
5283          KM   67TH Avenue
5284          RS       4    FLOW     -1.
5285          RC    0.02   0.016    0.02   2640.  0.0016
5286          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
5287          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

5288          KK   CBH67
5289          KM   INTERSECTION COMBINE
5290          KM   BETHANY HOME & 67TH
5291          HC       2    21.3

5292          KK   DBH67
5293          KM   STREET INTERSECTION DIVERSION
5294          KM   BETHANY HOME & 67TH
5295          KM   35% West & 65% South
5296          DT   D67BH
5297          DI       0  10000.
5298          DQ       0   6500.
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

5299          KK    RBH8
5300          KM   STREET ROUTE
5301          KM   WEST
5302          KM   BETHANY HOME
5303          RS       3    FLOW     -1.
5304          RC    0.02   0.016    0.02   2650.  0.0037
5305          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
5306          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

5307          KK   SGA6S
5308          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
5309          KM   GLENDALE AVENUE
5310          DR   SGA6S

5311          KK  R1221S
5312          KM   SUB-BASIN STREET ROUTE
5313          KM   SOUTH
5314          KM   RW= 70'
5315          KM   PAV= 43'
5316          RS       8    FLOW     -1.
5317          RC    0.02   0.016    0.02   5220.  0.0015
5318          RX       0     0.1    13.5    23.5    46.5    56.5     70.    70.1
5319          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

5320          KK   12-21
5321          KM   SUB-BASIN 12-21
```


K/L4PRINT

```
5322          KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
5323          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .994
5324          KM     L = 1.29  Kb = .074  Adj. Slope =   16.0
5325          BA   1.004
5326          LG    .370    .150   9.700    .070  17.000
5327          UC   1.263    .586
5328          UA       0       5      16      30      65      77      84      90      94      97
5329          UA     100

5330          KK   RET12
5331          KM   RETENTION BASIN DIVERSION
5332          KM   SUB-BASIN 12-21
5333          KM    6% OF SUB-BASIN DRAINS TO RETENTION BASIN
5334          DT  D1221R    4.18
5335          DI       0  10000.
5336          DQ       0    600.

5337          KK   S67FW
5338          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
5339          KM   67TH
5340          DR   S67FW

5341          KK  R1221W
5342          KM   SUB-BASIN STREET ROUTE
5343          KM   WEST
5344          KM   RW= 120'
5345          KM   PAV= 78'
5346          RS       3    FLOW     -1.
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

5347          RC    0.02   0.016    0.02   5330.  0.0036
5348          RX       0     0.1    21.0    31.0    89.0    99.0    120.   120.1
5349          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

5350          KK  C12-21
5351          KM   SUB-BASIN COMBINE
5352          HC       3  31.347

5353          KK  D1221S
5354          KM   SUB-BASIN DIVERSION
5355          KM   SUB-BASIN 12-21
5356          KM   38% West & 62% South
5357          DT  D1221W
5358          DI       0  10000.
5359          DQ       0   3800.

5360          KK    CBH3
5361          KM   EAST/WEST STREET COMBINE
5362          KM   BETHANY HOME
5363          HC       2  31.347

5364          KK   SBH5W
5365          KM   STREET CAPACITY DIVERSION
5366          KM   BETHANY HOME
5367          KM   DIVERSION TO SOUTH
5368          DT   SBH5S
5369          DI       0     37.     73.   1221.   2087.
5370          DQ       0     0.1     27.    446.    758.

5371          KK    RBH9
5372          KM   STREET ROUTE
5373          KM   WEST
5374          KM   BETHANY HOME
5375          RS       3    FLOW     -1.
```

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5376          RC    0.02   0.016    0.02   2680.  0.0039
5377          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
5378          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

5379          KK   D75GA
5380          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
5381          KM   75TH & GLENDALE
5382          DR   D75GA

5383          KK    R75K
5384          KM   STREET ROUTE
5385          KM   SOUTH
5386          KM   75TH Avenue
5387          RS       3    FLOW     -1.
5388          RC    0.02   0.016    0.02   2620.  0.0021
5389          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
5390          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
1                                          HEC-1 INPUT                                                    PAGE120

LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


5391          KK  D1221W
5392          KM   RETRIEVAL OF SUB-BASIN DIVERSION
5393          KM   SUB-BASIN 12-21
5394          DR  D1221W

5395          KK    C75E
5396          KM   NORTH/SOUTH STREET COMBINE
5397          KM   75TH AVENUE
5398          HC       2  31.347

5399          KK   S75GS
5400          KM   STREET CAPACITY DIVERSION
5401          KM   75TH
5402          KM   DIVERSION TO WEST
5403          DT   S75GW
5404          DI       0     35.     66.    821.   1404.
5405          DQ       0     0.1     16.    260.    442.

5406          KK    R75L
5407          KM   STREET ROUTE
5408          KM   SOUTH
5409          KM   75TH Avenue
5410          RS       4    FLOW     -1.
5411          RC    0.02   0.016    0.02   2640.  0.0019
5412          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
5413          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

5414          KK   CBH75
5415          KM   INTERSECTION COMBINE
5416          KM   BETHANY HOME & 75TH
5417          HC       2  31.347

5418          KK   DBH75
5419          KM   STREET INTERSECTION DIVERSION
5420          KM   BETHANY HOME & 75TH
5421          KM   69% West & 31% South
5422          DT   D75BH
5423          DI       0  10000.
5424          DQ       0   3100.

5425          KK   RBH10
5426          KM   STREET ROUTE
5427          KM   WEST
5428          KM   BETHANY HOME
```


1K/L4PRINT

```
5429          RS       3    FLOW     -1.
5430          RC    0.02   0.016    0.02   2590.  0.0035
5431          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
5432          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

5433          KK   SGA7S
5434          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
5435          KM   GLENDALE
5436          DR   SGA7S

5437          KK  R1121S
5438          KM   SUB-BASIN STREET ROUTE
5439          KM   SOUTH
5440          KM   RW= 70'
5441          KM   PAV= 43'
5442          RS       7    FLOW     -1.
5443          RC    0.02   0.016    0.02   5960.  0.0024
5444          RX       0     0.1    13.5    23.5    46.5    56.5     70.    70.1
5445          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

5446          KK   11-21
5447          KM   SUB-BASIN 11-21
5448          KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
5449          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .994
5450          KM     L = 1.25  Kb = .079  Adj. Slope =   17.0
5451          BA    .985
5452          LG    .400    .150   7.600    .140  12.000
5453          UC   1.333    .614
5454          UA       0       5      16      30      65      77      84      90      94      97
5455          UA     100

5456          KK   RET11
5457          KM   RETENTION BASIN DIVERSION
5458          KM   SUB-BASIN 11-21
5459          KM   24% OF SUB-BASIN DRAINS TO RETENTION BASIN
5460          DT  D1121R   13.13
5461          DI       0  10000.
5462          DQ       0   2400.

5463          KK   S75GW
5464          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
5465          KM   75TH
5466          DR   S75GW

5467          KK  R1121W
5468          KM   SUB-BASIN STREET ROUTE
5469          KM   WEST
5470          KM   RW= 50'
5471          KM   PAV= 35'
5472          RS       5    FLOW     -1.
5473          RC    0.02   0.016    0.02   5240.  0.0035
5474          RX       0     0.1     7.5    27.5    32.5    42.5     50.    50.1
5475          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

5476          KK  C11-21
5477          KM   SUB-BASIN COMBINE
5478          HC       3  34.871
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5479          KK  D1121S
5480          KM   SUB-BASIN DIVERSION
5481          KM   SUB-BASIN 11-21
5482          KM   30% West & 70% South
5483          DT  D1121W
5484          DI       0  10000.
5485          DQ       0   3000.

5486          KK    CBH4
5487          KM   EAST/WEST STREET COMBINE
5488          KM   BETHANY HOME
5489          HC       2  34.871

5490          KK   SBH6W
5491          KM   STREET CAPACITY DIVERSION
5492          KM   BETHANY HOME
5493          KM   DIVERSION TO SOUTH
5494          DT   SBH6S
5495          DI       0     36.     56.    927.   1588.
5496          DQ       0     0.1     11.    186.    316.

5497          KK   RBH11
5498          KM   STREET ROUTE
5499          KM   WEST
5500          KM   BETHANY HOME
5501          RS       3    FLOW     -1.
5502          RC    0.02   0.016    0.02   2620.  0.0034
5503          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
5504          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

5505          KK   D83GA
5506          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
5507          KM   83RD & GLENDALE
5508          DR   D83GA

5509          KK    R83J
5510          KM   STREET ROUTE
5511          KM   SOUTH
5512          KM   83RD Avenue
5513          RS       3    FLOW     -1.
5514          RC    0.02   0.016    0.02   2590.  0.0025
5515          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
5516          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

5517          KK  D1121W
5518          KM   RETRIEVAL OF SUB-BASIN DIVERSION
5519          KM   SUB-BASIN 11-21
5520          DR  D1121W
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

5521          KK    C83E
5522          KM   NORTH/SOUTH STREET COMBINE
5523          KM   83RD AVENUE
5524          HC       2  34.871

5525          KK   S83FS
5526          KM   STREET CAPACITY DIVERSION
5527          KM   83RD
5528          KM   DIVERSION TO WEST
5529          DT   S83FW
5530          DI       0     28.     50.    834.   1426.
5531          DQ       0     0.1     16.    260.    442.
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5532          KK    R83K
5533          KM   STREET ROUTE
5534          KM   SOUTH
5535          KM   83RD Avenue
5536          RS       4    FLOW     -1.
5537          RC    0.02   0.016    0.02   2580.  0.0018
5538          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
5539          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

5540          KK   CBH83
5541          KM   INTERSECTION COMBINE
5542          KM   BETHANY HOME & 83RD
5543          HC       2  34.871

5544          KK   DBH83
5545          KM   BETHANY HOME RD. TERMINATES AT 83RD AVENUE
5546          KM   FLOW DIVERSION BASED ON TOPO AND COMPUTED RATING DATA
5547          KM   SEE APPENDIX G FOR COMPUTATIONS
5548          KM   STREET INTERSECTION DIVERSION - SPECIAL CASE
5549          KM   BETHANY HOME & 83RD
5550          DT   D83BH
5551          DI       0    243.    859.   1844.
5552          DQ       0    115.    324.    595.

5553          KK   RBH12
5554          KM   STREET ROUTE
5555          KM   WEST
5556          KM   BETHANY HOME
5557          RS       5    FLOW     -1.
5558          RC    0.02   0.016    0.02   5222.  0.0031
5559          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
5560          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

5561          KK   SGA8S
5562          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
5563          KM   GLENDALE
5564          DR   SGA8S
1                                    HEC-1 INPUT                                          PAGE124

LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


5565          KK  R1021S
5566          KM   SUB-BASIN STREET ROUTE
5567          KM   SOUTH
5568          KM   RW= 50'
5569          KM   PAV= 35'
5570          RS       5    FLOW     -1.
5571          RC    0.02   0.016    0.02   5140.  0.0035
5572          RX       0     0.1     7.5    17.5    32.5    42.5     50.    50.1
5573          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

5574          KK   10-21
5575          KM   SUB-BASIN 10-21
5576          KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
5577          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .994
5578          KM     L = 1.42  Kb = .061  Adj. Slope =   17.0
5579          BA    .979
5580          LG    .330    .210   7.600    .120   7.000
5581          UC   1.200    .607
5582          UA       0       5      16      30      65      77      84      90      94      97
5583          UA     100

5584          KK   RET10
5585          KM   RETENTION BASIN DIVERSION
5586          KM   SUB-BASIN 10-21
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5587          KM   29% OF SUB-BASIN DRAINS TO RETENTION BASIN
5588          DT  D1021R   14.77
5589          DI       0  10000.
5590          DQ       0   2900.

5591          KK   S83FW
5592          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
5593          KM   83RD AVENUE
5594          DR   S83FW

5595          KK  R1021W
5596          KM   SUB-BASIN STREET ROUTE
5597          KM   WEST
5598          KM   RW= 120'
5599          KM   PAV=  78'
5600          RS       5    FLOW     -1.
5601          RC    0.02   0.016    0.02   5260.  0.0032
5602          RX       0     0.1    21.0    31.0    89.0    99.0    120.   120.1
5603          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

5604          KK  C10-21
5605          KM   SUB-BASIN COMBINE
5606          HC       3  43.317

5607          KK  D1021S
5608          KM   SUB-BASIN DIVERSION
5609          KM   SUB-BASIN 10-21
5610          KM   43% West & 57% South
5611          DT  D1021W
5612          DI       0  10000.
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

5613          DQ       0   4300.

5614          KK   D91GA
5615          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
5616          KM   91ST & GLENDALE
5617          DR   D91GA

5618          KK    R91G
5619          KM   STREET ROUTE
5620          KM   SOUTH
5621          KM   91ST Avenue
5622          RS       3    FLOW     -1.
5623          RC    0.02   0.016    0.02   2600.  0.0024
5624          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
5625          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

5626          KK  D1021W
5627          KM   RETRIEVAL OF SUB-BASIN DIVERSION
5628          KM   SUB-BASIN 10-21
5629          DR  D1021W

5630          KK    C91D
5631          KM   NORTH/SOUTH STREET COMBINE
5632          KM   91ST AVENUE
5633          HC       2  43.317

5634          KK   S91DS
5635          KM   STREET CAPACITY DIVERSION
5636          KM   91ST AVENUE
5637          KM   DIVERSION TO WEST
5638          DT   S91DW
5639          DI       0     12.     26.    435.    743.
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5640        DQ      0     0.1     11.    186.    316.

5641        KK    R91H
5642        KM   STREET ROUTE
5643        KM   SOUTH
5644        KM   91ST Avenue
5645        RS      4    FLOW     -1.
5646        RC   0.02   0.016    0.02   2580.  0.0015
5647        RX   44.9     45.     66.    66.1    134.   134.1    155.   155.1
5648        RY    4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

5649        KK    CBH5
5650        KM   EAST/WEST STREET COMBINE
5651        KM   BETHANY HOME
5652        HC      3  43.317

5653        KK   RES10
5654        KM   PONDING AREA RESERVOIR ROUTE
5655        KM   RETENTION BASIN NORTH OF GRAND CANAL EMBANKMENT
5656        KM   SQ DATA INCLUDES FLOW SOUTH OVER CANAL AND FLOW WEST OVER 91ST AVE
5657        KM   SUB-BASIN 10-21
5658        RS      1    ELEV   1064.
5659        SV      0    16.7    40.1    55.3    71.6
1                                        HEC-1 INPUT                                          PAGE126

LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

5660        SE   1064.   1066.   1068.   1069.   1070.
5661        SQ      0     0.1     0.2   1377.   5008.

5662        KK   SBH7W
5663        KM   DIVERSION
5664        KM   BETHANY HOME ALIGNMENT/GRAND CANAL
5665        KM   RETENTION BASIN NORTH OF GRAND CANAL EMBANKMENT
5666        KM   FLOW SOUTH OVER CANAL AND FLOW WEST OVER 91ST AVE
5667        KM   DIVERSION TO SOUTH
5668        DT   SBH7S
5669        DI      0   1377.   5008.
5670        DQ      0    432.   2336.

5671        KK   DBH91
5672        KM   STREET INTERSECTION DIVERSION
5673        KM   BETHANY HOME & 91ST
5674        KM   100% West & 00% South
5675        DT   D91BH
5676        DI      0  10000.
5677        DQ      0     0.0

5678        KK   RBH13
5679        KM   STREET ROUTE
5680        KM   WEST
5681        KM   BETHANY HOME
5682        RS      6    FLOW     -1.
5683        RC   0.02   0.016    0.02   5290.  0.0023
5684        RX   44.9     45.     66.    66.1    134.   134.1    155.   155.1
5685        RY    4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

5686        KK   SGA9S
5687        KM   RETRIEVAL OF STREET CAPACITY DIVERSION
5688        KM   GLENDALE
5689        DR   SGA9S

5690        KK   R921S
5691        KM   SUB-BASIN STREET ROUTE
5692        KM   SOUTH
5693        KM   RW= 50'
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5694        KM   PAV= 35'
5695        RS       8    FLOW     -1.
5696        RC    0.02   0.016    0.02   5160.  0.0014
5697        RX       0     0.1     7.5    17.5    31.5    42.5     50.    50.1
5698        RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

5699        KK    9-21
5700        KM   SUB-BASIN 9-21
5701        KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
5702        KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .994
5703        KM     L = 1.30  Kb = .080  Adj. Slope =   12.0
5704        BA    .967
5705        LG    .500    .150   7.000    .180    .000
5706        UC   1.500    .730
5707        UA       0       5      16      30      65      77      84      90      94      97
5708        UA     100
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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

5709        KK   S91DW
5710        KM   RETRIEVAL OF STREET CAPACITY DIVERSION
5711        KM   91ST
5712        DR   S91DW

5713        KK   R921W
5714        KM   SUB-BASIN STREET ROUTE
5715        KM   WEST
5716        KM   RW= 70'
5717        KM   PAV= 43'
5718        RS       6    FLOW     -1.
5719        RC    0.02   0.016    0.02   5280.  0.0024
5720        RX       0     0.1    13.5    23.5    46.5    56.5     70.    70.1
5721        RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

5722        KK   C9-21
5723        KM   SUB-BASIN COMBINE
5724        HC       3  45.158

5725        KK   D921S
5726        KM   SUB-BASIN DIVERSION
5727        KM   SUB-BASIN 9-21
5728        KM   39% West & 61% South
5729        DT   D921W
5730        DI       0  10000.
5731        DQ       0   3900.

5732        KK   D99GA
5733        KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
5734        KM   99TH & GLENDALE
5735        DR   D99GA

5736        KK    R99B
5737        KM   STREET ROUTE
5738        KM   SOUTH
5739        KM   99TH Avenue
5740        RS       3    FLOW     -1.
5741        RC    0.02   0.016    0.02   2580.  0.0030
5742        RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
5743        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

5744        KK   D921W
5745        KM   RETRIEVAL OF SUB-BASIN DIVERSION
5746        KM   SUB-BASIN 9-21
5747        DR   D921W
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K&T4PRINT

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5748          KK    C99A
5749          KM   NORTH/SOUTH STREET COMBINE
5750          KM   99TH AVENUE
5751          HC       2  45.158
1                                        HEC-1 INPUT                                                    PAGE128

LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


5752          KK   S99AS
5753          KM   STREET CAPACITY DIVERSION
5754          KM   99TH AVENUE
5755          KM   DIVERSION TO WEST
5756          KM   SPECIAL CASE 100% FLOW WEST
5757          DT   S99AW
5758          DI       0  10000.
5759          DQ       0  10000.

5760          KK    R99C
5761          KM   STREET ROUTE
5762          KM   SOUTH
5763          KM   99TH Avenue
5764          RS       3    FLOW     -1.
5765          RC    0.02   0.016    0.02   2220.  0.0014
5766          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
5767          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

5768          KK    CBH6
5769          KM   EAST/WEST STREET COMBINE
5770          KM   BETHANY HOME
5771          HC       3  45.158

5772          KK    RES9
5773          KM   PONDING AREA RESERVOIR ROUTE
5774          KM   PONDING AREA NORTH OF GRAND CANAL
5775          KM   SQ DATA INCLUDES FLOW SOUTH OVER CANAL AND FLOW WEST OVER 99TH AVE
5776          KM   SUB-BASIN 9-21
5777          RS       1    ELEV   1056.
5778          SV       0    16.5    38.3    75.5   140.4
5779          SE   1056.   1058.   1059.   1060.   1061.
5780          SQ      0.     0.1   1755.   6437.  16856.

5781          KK   SBH8W
5782          KM   DIVERSION
5783          KM   BETHANY HOME ALIGNMENT/GRAND CANAL
5784          KM   RETENTION BASIN NORTH OF GRAND CANAL EMBANKMENT
5785          KM   FLOW SOUTH OVER CANAL AND FLOW WEST OVER 99TH AVE
5786          KM   DIVERSION TO SOUTH
5787          DT   SBH8S
5788          DI       0   1755.   6437.  16856.
5789          DQ       0     0.1     0.2   2592.

5790          KK   DBH99
5791          KM   STREET INTERSECTION DIVERSION
5792          KM   BETHANY HOME & 99TH
5793          KM   100% West & 00% South
5794          DT   D99BH
5795          DI       0  10000.
5796          DQ       0     0.0
1                                        HEC-1 INPUT                                                    PAGE129

LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


5797          KK   RBH14
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5798          KM   STREET ROUTE
5799          KM   WEST
5800          KM   BETHANY HOME
5801          RS       4    FLOW     -1.
5802          RC    0.02   0.016    0.02   2270.  0.0009
5803          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
5804          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

5805          KK   8-21E
5806          KM   SUB-BASIN 8-21E
5807          KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
5808          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .997
5809          KM     L =  .96  Kb = .085  Adj. Slope =   14.0
5810          BA    .508
5811          LG    .480    .230   6.200    .250   2.000
5812          UC   1.454    .798
5813          UA       0       5      16      30      65      77      84      90      94      97
5814          UA     100

5815          KK   S99AW
5816          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
5817          KM   99TH AVENUE
5818          DR   S99AW

5819          KK  R821EW
5820          KM   SUB-BASIN STREET ROUTE
5821          KM   WEST
5822          KM   RW= 70'
5823          KM   PAV= 43'
5824          RS       4    FLOW     -1.
5825          RC    0.02   0.016    0.02   3300.  0.0024
5826          RX       0     0.1    13.5    23.5    46.5    56.5     70.    70.1
5827          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

5828          KK  C8-21E
5829          KM   SUB-BASIN COMBINE
5830          HC       2  46.012

5831          KK  D821ES
5832          KM   SUB-BASIN DIVERSION
5833          KM   SUB-BASIN 8-21E
5834          KM   56% West & 44% South
5835          DT  D821EW
5836          DI       0  10000.
5837          DQ       0   5600.

5838          KK    CBH7
5839          KM   EAST/WEST STREET COMBINE
5840          HC       2  46.012
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

5841          KK   RES8S
5842          KM   PONDING AREA RESERVOIR ROUTE
5843          KM   PONDING AREA EAST OF GRAND CANAL
5844          KM   SUB-BASIN 8-21E
5845          RS       1    ELEV   1052.
5846          SV       0    18.0    44.7    89.0
5847          SE   1052.   1054.   1055.   1056.
5848          SQ      0.     0.1     0.2   2160.

5849          KK   8-21W
5850          KM   SUB-BASIN 8-21W
5851          KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
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5852          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .998
5853          KM     L =  .70  Kb = .081  Adj. Slope =   16.0
5854          BA    .274
5855          LG    .430    .230   6.200    .240   8.000
5856          UC    .979    .568
5857          UA       0       5      16      30      65      77      84      90      94      97
5858          UA     100

5859          KK  C8-21W
5860          KM   SUB-BASIN COMBINE
5861          HC       2  46.290

5862          KK  D821EW
5863          KM   RETRIEVAL OF SUB-BASIN DIVERSION
5864          KM   SUB-BASIN 8-21E
5865          DR  D821EW

5866          KK   RES8N
5867          KM   PONDING AREA RESERVOIR ROUTE
5868          KM   PONDING AREA NORTHEAST OF GRAND CANAL
5869          KM   SUB-BASIN 8-21E
5870          RS       1    ELEV   1050.
5871          SV       0    15.0    34.7    63.8   107.6
5872          SE   1050.   1052.   1053.   1054.   1055.
5873          SQ      0.     0.1     0.2   4536.  13441.
              *

5874          KK   NULL5
5875          KM   NULL COMBINE @ BETHANY HOME C.P.
5876          HC       3     1.
              *
              * CAMELBACK COMPUTATION PATH
              *

5877          KK   D27BH
5878          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
5879          KM   27TH & BETHANY HOME
5880          DR   D27BH
1                                        HEC-1 INPUT                                          PAGE131

LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


5881          KK   R27D
5882          KM   STREET ROUTE
5883          KM   SOUTH
5884          KM   27TH Avenue
5885          RS       5    FLOW     -1.
5886          RC    0.02   0.016    0.02   5280.  0.0035
5887          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
5888          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

5889          KK   13-22
5890          KM   SUB-BASIN 13-22
5891          KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
5892          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .999
5893          KM     L = 1.00  Kb = .061  Adj. Slope =   18.0
5894          BA    .246
5895          LG    .180    .250   5.100    .340  56.000
5896          UC    .879    .713
5897          UA       0       5      16      30      65      77      84      90      94      97
5898          UA     100

5899          KK   14-22
5900          KM   SUB-BASIN 14-22
5901          KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
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5902          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .994
5903          KM     L = 1.32  Kb = .073  Adj. Slope =   13.0
5904          BA   1.000
5905          LG    .240    .250   5.000    .350  36.000
5906          UC   1.500    .725
5907          UA       0       5      16      30      65      77      84      90      94      97
5908          UA     100

5909          KK  SD31AS
5910          KM   RETRIEVAL OF STORM DRAIN DIVERSION
5911          KM   EXISTING STORM DRAIN ALONG 31ST AVENUE
5912          KM   CAP= 147 CFS SOUTH
5913          DR  SD31AS

5914          KK  CSD31B
5915          KM   SUB-BASIN COMBINE FOR STORM DRAIN DIVERSION
5916          HC       2

5917          KK  SD31B
5918          KM   STORM DRAIN DIVERSION
5919          KM   STORM DRAIN ALONG HALF MILE STREET
5920          KM   EXISTING STORM DRAIN ALONG 31ST AVENUE
5921          KM   DIVERSION SOUTH
5922          KM   CAP= 150 CFS SOUTH
5923          DT  SD31BS
5924          DI       0    150.  10150.
5925          DQ       0    150.    150.
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

5926          KK  D1422E
5927          KM   SUB-BASIN DIVERSION
5928          KM   SUB-BASIN 14-22
5929          KM   48% WEST & 52% EAST
5930          DT  D1422W
5931          DI       0  10000.
5932          DQ       0   4800.

5933          KK   CCB27
5934          KM   INTERSECTION COMBINE
5935          KM   CAMELBACK & 27TH
5936          HC       3   5.038

5937          KK   DCB27
5938          KM   STREET INTERSECTION DIVERSION
5939          KM   CAMELBACK & 27TH
5940          KM   0% West & 100% South
5941          KM   DIVERSION SOUTH
5942          KM   EXISTING STORM DRAIN ALONG 27TH AVENUE
5943          KM   CAP= 152 CFS SOUTH
5944          DT   D27CB
5945          DI       0  10000.
5946          DQ       0  10000.

5947          KK   D35BH
5948          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
5949          KM   35TH & BETHANY HOME
5950          DR   D35BH

5951          KK   R35G
5952          KM   STREET ROUTE
5953          KM   SOUTH
5954          KM   35TH Avenue
5955          RS       5    FLOW     -1.
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1C/14PRINT

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5956          RC    0.02   0.016    0.02   5260.  0.0042
5957          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
5958          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

5959          KK  D1422W
5960          KM   RETRIEVAL OF SUB-BASIN DIVERSION
5961          KM   SUB-BASIN 14-22
5962          DR  D1422W

5963          KK   15-22
5964          KM   SUB-BASIN 15-22
5965          KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
5966          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .994
5967          KM     L = 1.54  Kb = .072  Adj. Slope =   15.0
5968          BA    .998
5969          LG    .240    .260   4.800    .350  34.000
5970          UC   1.500    .821
5971          UA      0       5      16      30      65      77      84      90      94      97
5972          UA    100
1                                          HEC-1 INPUT                                          PAGE133

LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


5973          KK  SD39AS
5974          KM   RETRIEVAL OF STORM DRAIN DIVERSION
5975          KM   EXISTING STORM DRAIN ALONG 39TH AVENUE
5976          KM   CAP= 164 CFS SOUTH
5977          DR  SD39AS

5978          KK  CSD39B
5979          KM   SUB-BASIN COMBINE FOR STORM DRAIN DIVERSION
5980          HC      2

5981          KK  SD39B
5982          KM   STORM DRAIN DIVERSION
5983          KM   STORM DRAIN ALONG HALF MILE STREET
5984          KM   EXISTING STORM DRAIN ALONG 39TH AVENUE
5985          KM   DIVERSION SOUTH
5986          KM   CAP= 268 CFS SOUTH
5987          DT  SD39BS
5988          DI      0    268.  10268.
5989          DQ      0    268.    268.

5990          KK  D1522E
5991          KM   SUB-BASIN DIVERSION
5992          KM   SUB-BASIN 15-22
5993          KM   49% WEST & 51% EAST
5994          DT  D1522W
5995          DI      0  10000.
5996          DQ      0   4900.

5997          KK   CCB35
5998          KM   INTERSECTION COMBINE
5999          KM   CAMELBACK & 35TH
6000          HC      4   9.140

6001          KK   DCB35
6002          KM   STREET INTERSECTION DIVERSION
6003          KM   CAMELBACK & 35TH
6004          KM   0% West & 100% South
6005          KM   DIVERSION SOUTH
6006          KM   EXISTING STORM DRAIN ALONG 35TH AVENUE
6007          KM   CAP=  86 CFS SOUTH
6008          DT   D35CB
6009          DI      0  10000.
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6010          DQ       0  10000.

6011          KK   D43BH
6012          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
6013          KM   43RD & BETHANY HOME
6014          DR   D43BH
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

6015          KK   R43H
6016          KM   STREET ROUTE
6017          KM   SOUTH
6018          KM   43RD Avenue
6019          RS       3    FLOW     -1.
6020          RC    0.02   0.016    0.02   2620.  0.0037
6021          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
6022          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

6023          KK  D1522W
6024          KM   RETRIEVAL OF SUB-BASIN DIVERSION
6025          KM   SUB-BASIN 15-22
6026          DR  D1522W

6027          KK   C43E
6028          KM   NORTH/SOUTH STREET COMBINE
6029          KM   43RD AVENUE
6030          HC       2   6.671

6031          KK   S43ES
6032          KM   STREET CAPACITY DIVERSION
6033          KM   43RD AVENUE
6034          KM   DIVERSION TO WEST
6035          KM   EXISTING STORM DRAIN ALONG 43RD AVENUE
6036          KM   CAP= 165 CFS SOUTH
6037          DT   S43EW
6038          DI       0    200.    233.   1311.   2131.
6039          DQ       0     0.1     24.    565.    975.

6040          KK   R43I
6041          KM   STREET ROUTE
6042          KM   SOUTH
6043          KM   43RD Avenue
6044          RS       3    FLOW     -1.
6045          RC    0.02   0.016    0.02   2600.  0.0028
6046          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
6047          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

6048          KK   D51BH
6049          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
6050          KM   51ST & BETHANY HOME
6051          DR   D51BH

6052          KK   RGR4
6053          KM   STREET ROUTE
6054          KM   SOUTHEAST
6055          KM   GRAND AVENUE
6056          KM   RW=  93'
6057          KM   PAV=  88'
6058          RS       7    FLOW     -1.
6059          RC    0.02   0.016    0.02   3690.  0.0010
6060          RX       0     0.1     2.5    12.5    80.5    90.5     93.    93.1
6061          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

6062          KK   SBH2S
6063          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
6064          KM   BETHANY HOME
6065          DR   SBH2S

6066          KK  R1622S
6067          KM   SUB-BASIN STREET ROUTE
6068          KM   SOUTH
6069          KM   RW= 120'
6070          KM   PAV= 78'
6071          RS       3    FLOW     -1.
6072          RC    0.02   0.016    0.02   2650.  0.0031
6073          RX       0     0.1    21.0    31.0    89.0    99.0    120.   120.1
6074          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

6075          KK  16-22E
6076          KM   SUB-BASIN 16-22E
6077          KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
6078          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .997
6079          KM     L = 1.14  Kb = .065  Adj. Slope =   12.0
6080          BA    .513
6081          LG    .210    .260   4.900    .340  42.000
6082          UC   1.275    .787
6083          UA       0       5      16      30      65      77      84      90      94      97
6084          UA     100

6085          KK   S43EW
6086          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
6087          KM   43RD AVENUE
6088          DR   S43EW

6089          KK  R1622W
6090          KM   SUB-BASIN STREET ROUTE
6091          KM   WEST
6092          KM   RW= 120'
6093          KM   PAV= 78'
6094          RS       4    FLOW     -1.
6095          RC    0.02   0.016    0.02   2550.  0.0012
6096          RX       0     0.1    21.0    31.0    89.0    99.0    120.   120.1
6097          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

6098          KK  C1622E
6099          KM   SUB-BASIN COMBINE
6100          HC       4    11.6

6101          KK   RGR5
6102          KM   STREET ROUTE
6103          KM   SOUTHEAST
6104          KM   GRAND AVENUE
6105          KM   RW=  93'
6106          KM   PAV=  88'
6107          RS       5    FLOW     -1.
6108          RC    0.02   0.016    0.02   3620.  0.0016
6109          RX       0     0.1     2.5    12.5    80.5    90.5     93.    93.1
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

6110          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

6111          KK   CCB43
6112          KM   INTERSECTION COMBINE
6113          KM   CAMELBACK & 43RD
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6114          HC      3    11.6

6115          KK   DCB43
6116          KM   STREET INTERSECTION DIVERSION
6117          KM   CAMELBACK & 43RD
6118          KM   0% West & 100% South
6119          KM   DIVERSION SOUTH
6120          KM   EXISTING STORM DRAIN ALONG 43RD AVENUE
6121          KM   CAP= 100 CFS SOUTH
6122          DT   D43CB
6123          DI       0  10000.
6124          DQ       0  10000.

6125          KK  16-22W
6126          KM   SUB-BASIN 16-22W
6127          KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
6128          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .997
6129          KM     L =  .83  Kb = .024  Adj. Slope =   14.0
6130          BA    .479
6131          LG    .150    .250   5.000    .360  55.000
6132          UC    .433    .192
6133          UA       0       5      16      30      65      77      84      90      94      97
6134          UA     100

6135          KK  D1622S
6136          KM   SUB-BASIN DIVERSION
6137          KM   SUB-BASIN 16-22W
6138          KM   71% West & 29% South
6139          DT  D1622W
6140          DI       0  10000.
6141          DQ       0   7100.

6142          KK   CCB1
6143          KM   EAST/WEST STREET COMBINE
6144          KM   CAMELBACK
6145          HC       2    12.0

6146          KK   SCB1W
6147          KM   STREET CAPACITY DIVERSION
6148          KM   CAMELBACK
6149          KM   DIVERSION TO SOUTH
6150          DT   SCB1S
6151          DI       0     20.     43.    759.   1303.
6152          DQ       0     0.1     18.    424.    731.
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

6153          KK   RCB1
6154          KM   STREET ROUTE
6155          KM   WEST
6156          KM   CAMELBACK
6157          RS       7    FLOW     -1.
6158          RC    0.02   0.016    0.02   3540.  0.0010
6159          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
6160          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

6161          KK  D1622W
6162          KM   RETRIEVAL OF SUB-BASIN DIVERSION
6163          KM   SUB-BASIN 16-22W
6164          DR  D1622W

6165          KK   S51FS
6166          KM   STREET CAPACITY DIVERSION
6167          KM   51ST AVENUE
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K/L4PRINT

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6168        KM   DIVERSION TO WEST
6169        DT   S51FW
6170        DI       0     44.    100.   1329.   2268.
6171        DQ       0     0.1     38.    632.   1074.

6172        KK   R51J
6173        KM   STREET ROUTE
6174        KM   SOUTH
6175        KM   51ST Avenue
6176        RS       3    FLOW     -1.
6177        RC    0.02   0.016    0.02   2680.  0.0025
6178        RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
6179        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

6180        KK   CCB51
6181        KM   INTERSECTION COMBINE
6182        KM   CAMELBACK & 51ST
6183        HC       2    12.0

6184        KK   DCB51
6185        KM   STREET INTERSECTION DIVERSION
6186        KM   CAMELBACK & 51ST
6187        KM   51% West & 49% South
6188        DT   D51CB
6189        DI       0  10000.
6190        DQ       0   4900.

6191        KK   RCB2
6192        KM   STREET ROUTE
6193        KM   WEST
6194        KM   CAMELBACK
6195        RS       3    FLOW     -1.
6196        RC    0.02   0.016    0.02   2430.  0.0026
6197        RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
6198        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

6199        KK   SBH3S
6200        KM   RETRIEVAL OF STREET CAPACITY DIVERSION
6201        KM   BETHANY HOME
6202        DR   SBH3S

6203        KK  R1722S
6204        KM   SUB-BASIN STREET ROUTE
6205        KM   SOUTH
6206        KM   RW= 120'
6207        KM   PAV= 78'
6208        RS       6    FLOW     -1.
6209        RC    0.02   0.016    0.02   5370.  0.0031
6210        RX       0     0.1    21.0    31.0    89.0    99.0    120.   120.1
6211        RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

6212        KK   17-22
6213        KM   SUB-BASIN 17-22
6214        KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
6215        KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .994
6216        KM     L = 1.32  Kb = .039  Adj. Slope =   19.0
6217        BA   1.016
6218        LG    .200    .260   5.100    .330  46.000
6219        UC    .762    .339
6220        UA       0       5      16      30      65      77      84      90      94      97
6221        UA     100
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6222          KK   S51FW
6223          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
6224          KM   51ST
6225          DR   S51FW

6226          KK  R1722W
6227          KM   SUB-BASIN STREET ROUTE
6228          KM   WEST
6229          KM   RW= 120'
6230          KM   PAV= 78'
6231          RS       7    FLOW     -1.
6232          RC    0.02   0.016    0.02   5300.  0.0022
6233          RX       0     0.1    21.0    31.0    89.0    99.0    120.   120.1
6234          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

6235          KK  C17-22
6236          KM   SUB-BASIN COMBINE
6237          HC       3    16.1

6238          KK  D1722S
6239          KM   SUB-BASIN DIVERSION
6240          KM   SUB-BASIN 17-22
6241          KM   29% West & 71% South
6242          DT  D1722W
6243          DI       0  10000.
6244          DQ       0   2900.
```



```
LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

6245          KK   CCB2
6246          KM   EAST/WEST STREET COMBINE
6247          KM   CAMELBACK
6248          HC       2    18.1

6249          KK   SCB2W
6250          KM   STREET CAPACITY DIVERSION
6251          KM   CAMELBACK
6252          KM   DIVERSION TO SOUTH
6253          DT   SCB2S
6254          DI       0     28.     74.   1361.   2339.
6255          DQ       0     0.1     38.    883.   1523.

6256          KK   RCB3
6257          KM   STREET ROUTE
6258          KM   WEST
6259          KM   CAMELBACK
6260          RS       4    FLOW     -1.
6261          RC    0.02   0.016    0.02   2980.  0.0019
6262          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
6263          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

6264          KK   D59BH
6265          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
6266          KM   59TH & BETHANY HOME
6267          DR   D59BH

6268          KK   R59J
6269          KM   STREET ROUTE
6270          KM   SOUTH
6271          KM   59TH Avenue
6272          RS       3    FLOW     -1.
6273          RC    0.02   0.016    0.02   2660.  0.0034
6274          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
6275          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
```

```
6276          KK  D1722W
6277          KM   RETRIEVAL OF SUB-BASIN DIVERSION
6278          KM   SUB-BASIN 17-22
6279          DR  D1722W

6280          KK   C59E
6281          KM   NORTH/SOUTH STREET COMBINE
6282          KM   59TH AVENUE
6283          HC       2    16.1

6284          KK   S59FS
6285          KM   STREET CAPACITY DIVERSION
6286          KM   59TH
6287          KM   DIVERSION TO WEST
6288          DT   S59FW
6289          DI       0     44.    122.   1699.   2898.
6290          DQ       0     0.1     60.   1004.   1705.
```



```
LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

6291          KK   R59K
6292          KM   STREET ROUTE
6293          KM   SOUTH
6294          KM   59TH Avenue
6295          RS       3    FLOW     -1.
6296          RC    0.02   0.016    0.02   2670.  0.0026
6297          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
6298          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

6299          KK   CCB59
6300          KM   INTERSECTION COMBINE
6301          KM   CAMELBACK & 59TH
6302          HC       2    18.1

6303          KK   DCB59
6304          KM   STREET INTERSECTION DIVERSION
6305          KM   CAMELBACK & 59TH
6306          KM   48% West & 52% South
6307          KM   DIVERSION SOUTH
6308          KM   STORM DRAIN ALONG 59TH AVE
6309          KM   CAP=  14.0 CFS SOUTH
6310          DT   D59CB
6311          DI       0     14.  10014.
6312          DQ       0     14.   5214.

6313          KK   RCB4
6314          KM   STREET ROUTE
6315          KM   WEST
6316          KM   CAMELBACK
6317          RS       3    FLOW     -1.
6318          RC    0.02   0.016    0.02   2640.  0.0029
6319          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
6320          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

6321          KK   SBH4S
6322          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
6323          KM   BETHANY HOME
6324          DR   SBH4S

6325          KK  R1822S
6326          KM   SUB-BASIN STREET ROUTE
6327          KM   SOUTH
6328          KM   RW= 120'
```


1/24PRINT

```
6329        KM   PAV= 78'
6330        RS       6    FLOW     -1.
6331        RC    0.02   0.016    0.02   5440.  0.0027
6332        RX       0     0.1    21.0    31.0    89.0    99.0    120.   120.1
6333        RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0
1                                        HEC-1 INPUT                                                    PAGE141

LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


6334        KK   18-22
6335        KM   SUB-BASIN 18-22
6336        KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
6337        KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .994
6338        KM     L = 1.40  Kb = .076  Adj. Slope =   15.0
6339        BA    .969
6340        LG    .240    .150   7.600    .120  34.000
6341        UC   1.413    .723
6342        UA       0       5      16      30      65      77      84      90      94      97
6343        UA     100

6344        KK   S59FW
6345        KM   RETRIEVAL OF STREET CAPACITY DIVERSION
6346        KM   59TH
6347        DR   S59FW

6348        KK  R1822W
6349        KM   SUB-BASIN STREET ROUTE
6350        KM   WEST
6351        KM   RW= 120'
6352        KM   PAV= 78'
6353        RS       6    FLOW     -1.
6354        RC    0.02   0.016    0.02   5200.  0.0024
6355        RX       0     0.1    21.0    31.0    89.0    99.0    120.   120.1
6356        RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

6357        KK  C18-22
6358        KM   SUB-BASIN COMBINE
6359        HC       3    23.8

6360        KK  D1822S
6361        KM   SUB-BASIN DIVERSION
6362        KM   SUB-BASIN 18-22
6363        KM   44% West & 56% South
6364        DT  D1822W
6365        DI       0  10000.
6366        DQ       0   4400.

6367        KK   CCB3
6368        KM   EAST/WEST STREET COMBINE
6369        KM   CAMELBACK
6370        HC       2    25.3

6371        KK   SCB3W
6372        KM   STREET CAPACITY DIVERSION
6373        KM   CAMELBACK
6374        KM   DIVERSION TO SOUTH
6375        DT   SCB3S
6376        DI       0     31.     87.   1451.   2475.
6377        DQ       0     0.1     48.    818.   1389.
1                                        HEC-1 INPUT                                                    PAGE142

LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


6378        KK   RCB5
```


K/L4PRINT

```
6379          KM   STREET ROUTE
6380          KM   WEST
6381          KM   CAMELBACK
6382          RS       3    FLOW     -1.
6383          RC    0.02   0.016    0.02   2520.  0.0021
6384          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
6385          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

6386          KK   D67BH
6387          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
6388          KM   67TH & BETHANY HOME
6389          DR   D67BH

6390          KK   R67L
6391          KM   STREET ROUTE
6392          KM   SOUTH
6393          KM   67TH Avenue
6394          RS       3    FLOW     -1.
6395          RC    0.02   0.016    0.02   2650.  0.0025
6396          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
6397          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

6398          KK  D1822W
6399          KM   RETRIEVAL OF SUB-BASIN DIVERSION
6400          KM   SUB-BASIN 18-22
6401          DR  D1822W

6402          KK   C67F
6403          KM   NORTH/SOUTH STREET COMBINE
6404          KM   67TH AVENUE
6405          HC       2  37.078

6406          KK   S67GS
6407          KM   STREET CAPACITY DIVERSION
6408          KM   67TH
6409          KM   DIVERSION TO WEST
6410          DT   S67GW
6411          DI       0     41.    118.   1650.   2814.
6412          DQ       0     0.1     60.   1004.   1705.

6413          KK   R67M
6414          KM   STREET ROUTE
6415          KM   SOUTH
6416          KM   67TH Avenue
6417          RS       3    FLOW     -1.
6418          RC    0.02   0.016    0.02   2660.  0.0027
6419          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
6420          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

6421          KK   CCB67
6422          KM   INTERSECTION COMBINE
6423          KM   CAMELBACK & 67TH
6424          HC       2    25.3

6425          KK   DCB67
6426          KM   STREET INTERSECTION DIVERSION
6427          KM   CAMELBACK & 67TH
6428          KM   54% West & 46% South
6429          DT   D67CB
6430          DI       0  10000.
6431          DQ       0   4600.
```

```
6432        KK    RCB6
6433        KM   STREET ROUTE
6434        KM   WEST
6435        KM   CAMEL BACK
6436        RS       3    FLOW     -1.
6437        RC    0.02   0.016    0.02   2470.  0.0029
6438        RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
6439        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

6440        KK   SBH5S
6441        KM   RETRIEVAL OF STREET CAPACITY DIVERSION
6442        KM   BETHANY HOME
6443        DR   SBH5S

6444        KK  R1321S
6445        KM   SUB-BASIN STREET ROUTE
6446        KM   SOUTH
6447        KM   RW= 220'
6448        KM   PAV= 148'
6449        RS       7    FLOW     -1.
6450        RC    0.02   0.016    0.02   5630.  0.0020
6451        RX       0     0.1    36.0    46.0   174.0   184.0    220.   220.1
6452        RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

6453        KK   13-21
6454        KM   SUB-BASIN 13-21
6455        KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
6456        KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .994
6457        KM     L = 1.32  Kb = .073  Adj. Slope =   18.0
6458        BA   1.003
6459        LG    .270    .170   7.300    .130  26.000
6460        UC   1.229    .580
6461        UA       0       5      16      30      65      77      84      90      94      97
6462        UA     100

6463        KK   S67GW
6464        KM   RETRIEVAL OF STREET CAPACITY DIVERSION
6465        KM   67TH
6466        DR   S67GW
```



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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

6467        KK  R1321W
6468        KM   SUB-BASIN STREET ROUTE
6469        KM   WEST
6470        KM   RW= 270'
6471        KM   PAV= 183'
6472        RS       5    FLOW     -1.
6473        RC    0.02   0.016    0.02   5320.  0.0032
6474        RX       0     0.1    43.5    53.5   216.5   226.5    270.   270.1
6475        RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

6476        KK  C13-21
6477        KM   SUB-BASIN COMBINE
6478        HC       3  37.078

6479        KK  D1321S
6480        KM   SUB-BASIN DIVERSION
6481        KM   SUB-BASIN 13-21
6482        KM   35% West & 65% South
6483        DT  D1321W
6484        DI       0  10000.
6485        DQ       0   3500.
```

```
6486          KK    CCB4
6487          KM   EAST/WEST STREET COMBINE
6488          HC       2  37.078

6489          KK   SCB4W
6490          KM   STREET CAPACITY DIVERSION
6491          KM   CAMELBACK
6492          KM   DIVERSION TO SOUTH
6493          DT   SCB4S
6494          DI       0     30.     87.   1446.   2467.
6495          DQ       0     0.1     49.    818.   1389.

6496          KK    RCB7
6497          KM   STREET ROUTE
6498          KM   WEST
6499          KM   CAMELBACK
6500          RS       4    FLOW     -1.
6501          RC    0.02   0.016    0.02   2810.  0.0021
6502          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
6503          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

6504          KK   D75BH
6505          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
6506          KM   75TH & BETHANY HOME
6507          DR   D75BH

6508          KK    R75M
6509          KM   STREET ROUTE
6510          KM   SOUTH
6511          KM   75TH Avenue
6512          RS       4    FLOW     -1.
6513          RC    0.02   0.016    0.02   2620.  0.0013
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

6514          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
6515          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

6516          KK  D1321W
6517          KM   RETRIEVAL OF SUB-BASIN DIVERSION
6518          KM   SUB-BASIN 13-21
6519          DR  D1321W

6520          KK    C75F
6521          KM   NORTH/SOUTH STREET COMBINE
6522          KM   75TH AVENUE
6523          HC       2  40.904

6524          KK   S75HS
6525          KM   STREET CAPACITY DIVERSION
6526          KM   75TH
6527          KM   DIVERSION TO WEST
6528          DT   S75HW
6529          DI       0  10000.
6530          DQ       0  10000.

6531          KK    R75N
6532          KM   STREET ROUTE
6533          KM   SOUTH
6534          KM   75TH Avenue
6535          RS       4    FLOW     -1.
6536          RC    0.02   0.016    0.02   2650.  0.0014
6537          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
6538          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
```


K/14PRINT

```
6539        KK   CCB75
6540        KM   INTERSECTION COMBINE
6541        KM   CAMELBACK & 75TH
6542        HC       2  37.078

6543        KK   DCB75
6544        KM   STREET INTERSECTION DIVERSION
6545        KM   CAMELBACK & 75TH
6546        KM   35% West & 65% South
6547        DT   D75CB
6548        DI       0  10000.
6549        DQ       0   6500.

6550        KK    RCB8
6551        KM   STREET ROUTE
6552        KM   WEST
6553        KM   CAMELBACK
6554        RS       2    FLOW     -1.
6555        RC    0.02   0.016    0.02   2510.  0.0042
6556        RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
6557        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
```



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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

6558        KK   SBH6S
6559        KM   RETRIEVAL OF STREET CAPACITY DIVERSION
6560        KM   BETHANY HOME
6561        DR   SBH6S

6562        KK  R1421S
6563        KM   SUB-BASIN STREET ROUTE
6564        KM   SOUTH
6565        KM   RW= 50'
6566        KM   PAV= 35'
6567        RS       4    FLOW     -1.
6568        RC    0.02   0.016    0.02   3400.  0.0025
6569        RX       0     0.1     7.5    17.5    32.5    42.5     50.    50.1
6570        RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

6571        KK   S75HW
6572        KM   RETRIEVAL OF STREET CAPACITY DIVERSION
6573        KM   75TH
6574        DR   S75HW

6575        KK  R1421W
6576        KM   SUB-BASIN STREET ROUTE
6577        KM   WEST
6578        KM   RW= 50'
6579        KM   PAV= 35'
6580        RS       6    FLOW     -1.
6581        RC    0.02   0.016    0.02   5360.  0.0026
6582        RX       0     0.1     7.5    17.5    32.5    42.5     50.    50.1
6583        RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

6584        KK  14-21E
6585        KM   SUB-BASIN 14-21E
6586        KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
6587        KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .997
6588        KM     L =  .99  Kb = .072  Adj. Slope =   18.0
6589        BA    .432
6590        LG    .380    .170   8.800    .080   6.000
6591        UC    .971    .573
6592        UA       0       5      16      30      65      77      84      90      94      97
6593        UA     100
```

```
6594          KK  RET14E
6595          KM   RETENTION BASIN DIVERSION
6596          KM   SUB-BASIN 14-21E
6597          KM   32% OF SUB-BASIN DRAINS TO RETENTION BASIN
6598          DT  D1421R    3.02
6599          DI       0  10000.
6600          DQ       0   3200.
1                                          HEC-1 INPUT                                          PAGE147

LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

6601          KK  C1421E
6602          KM   SUB-BASIN COMBINE
6603          HC       3  41.033

6604          KK  D1421E
6605          KM    SPECIAL CASE
6606          KM    DIVERT FLOW WEST OVER THE GRAND CANAL
6607          DT  D1421X
6608          DI      0.     37.    996.   5440.
6609          DQ      0.     0.1    216.   1890.

6610          KK  14-21W
6611          KM   SUB-BASIN 14-21W
6612          KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
6613          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .997
6614          KM     L =  .53  Kb = .073  Adj. Slope =    7.0
6615          BA    .562
6616          LG    .310    .170   8.400    .090  17.000
6617          UC    .946    .291
6618          UA       0       5      16      30      65      77      84      90      94      97
6619          UA     100

6620          KK  RET14W
6621          KM   RETENTION BASIN DIVERSION
6622          KM   SUB-BASIN 14-21W
6623          KM   40% OF SUB-BASIN DRAINS TO RETENTION BASIN
6624          DT  D1421P    3.70
6625          DI       0  10000.
6626          DQ       0   4000.

6627          KK  C1421W
6628          KM   SUB-BASIN COMBINE
6629          HC       2   41.59

6630          KK  D1421S
6631          KM   SUB-BASIN DIVERSION
6632          KM   SUB-BASIN 14-21W
6633          KM   50% West & 50% South
6634          DT  D1421W
6635          DI       0  10000.
6636          DQ       0   5000.

6637          KK    CCB5
6638          KM   EAST/WEST STREET COMBINE
6639          KM   CAMELBACK
6640          HC       2  41.594

6641          KK   SCB5W
6642          KM   STREET CAPACITY DIVERSION
6643          KM   CAMELBACK
6644          KM   DIVERSION TO SOUTH
6645          DT   SCB5S
6646          DI       0     37.     79.   1367.   2346.
```

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6647        DQ      0     0.1     32.    741.   1279.
1                                         HEC-1 INPUT                                                    PAGE148

LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

6648        KK    RCB9
6649        KM   STREET ROUTE
6650        KM   WEST
6651        KM   CAMELBACK
6652        RS       3    FLOW     -1.
6653        RC    0.02   0.016    0.02   2770.  0.0033
6654        RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
6655        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

6656        KK  D1421X
6657        KM   RETRIEVAL OF SUB-BASIN DIVERSION
6658        KM   SUB-BASIN 14-21E
6659        DR  D1421X

6660        KK  RES14E
6661        KM   PONDING AREA RESERVOIR ROUTE
6662        KM   PONDING AREA NORTHEAST OF GRAND CANAL EMBANKMENT
6663        KM   SUB-BASIN 14-21E
6664        RS       1    ELEV   1086.
6665        SV       0   11.05   19.61   30.20    58.2
6666        SE   1086.   1087.  1087.5   1088.   1089.
6667        SQ      0.     0.1     0.2    553.   6234.

6668        KK   D83BH
6669        KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
6670        KM   83RD & BETHANY HOME
6671        DR   D83BH

6672        KK    R83L
6673        KM   STREET ROUTE
6674        KM   SOUTH
6675        KM   83RD Avenue
6676        RS       4    FLOW     -1.
6677        RC    0.02   0.016    0.02   2730.  0.0015
6678        RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
6679        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

6680        KK  D1421W
6681        KM   RETRIEVAL OF SUB-BASIN DIVERSION
6682        KM   SUB-BASIN 14-21W
6683        DR  D1421W

6684        KK    C83F
6685        KM   NORTH/SOUTH STREET COMBINE
6686        KM   83RD AVENUE
6687        HC       3  41.594

6688        KK   S83GS
6689        KM   STREET CAPACITY DIVERSION
6690        KM   83RD AVENUE
6691        KM   DIVERSION TO WEST
6692        DT   S83GW
6693        DI       0     25.     46.    769.   1314.
6694        DQ       0     0.1     16.    260.    442.
1                                         HEC-1 INPUT                                                    PAGE149

LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

6695        KK    R83M
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```
6696          KM   STREET ROUTE
6697          KM   SOUTH
6698          KM   83RD Avenue
6699          RS      4    FLOW     -1.
6700          RC   0.02   0.016    0.02   2630.  0.0017
6701          RX   44.9     45.     66.    66.1    134.   134.1    155.   155.1
6702          RY    4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

6703          KK   CCB83
6704          KM   INTERSECTION COMBINE
6705          KM   CAMELBACK & 83RD
6706          HC      .2  41.594

6707          KK   DCB83
6708          KM   STREET INTERSECTION DIVERSION
6709          KM   CAMELBACK & 83RD
6710          KM   64% West & 36% South
6711          DT   D83CB
6712          DI      0  10000.
6713          DQ      0   3600.

6714          KK   RCB10
6715          KM   STREET ROUTE
6716          KM   WEST
6717          KM   CAMELBACK
6718          RS      2    FLOW     -1.
6719          RC   0.02   0.016    0.02   2650.  0.0045
6720          RX   44.9     45.     66.    66.1    134.   134.1    155.   155.1
6721          RY    4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

6722          KK   SBH7S
6723          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
6724          KM   BETHANY HOME
6725          DR   SBH7S

6726          KK  R1521S
6727          KM   SUB-BASIN STREET ROUTE
6728          KM   SOUTH
6729          KM   RW= 50'
6730          KM   PAV= 35'
6731          RS      7    FLOW     -1.
6732          RC   0.02   0.016    0.02   5220.  0.0020
6733          RX      0     0.1     7.5    17.5    32.5    42.5     50.    50.1
6734          RY    4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

6735          KK   15-21
6736          KM   SUB-BASIN 15-21
6737          KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
6738          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .994
6739          KM     L = 1.48  Kb = .071  Adj. Slope =   15.0
6740          BA   1.011
6741          LG    .410    .160   9.700    .070   6.000
6742          UC   1.417    .741
1                                        HEC-1 INPUT                                          PAGE150

LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

6743          UA      0       5      16      30      65      77      84      90      94      97
6744          UA    100

6745          KK   RET15
6746          KM   RETENTION BASIN DIVERSION
6747          KM   SUB-BASIN 15-21
6748          KM   12% OF SUB-BASIN DRAINS TO RETENTION BASIN
6749          DT    D15    5.90
6750          DI      0  10000.
```

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6751          DQ       0   1200.

6752          KK   S83GW
6753          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
6754          KM   83RD
6755          DR   S83GW

6756          KK  R1521W
6757          KM   SUB-BASIN STREET ROUTE
6758          KM   WEST
6759          KM   RW= 70'
6760          KM   PAV= 43'
6761          RS       5    FLOW     -1.
6762          RC    0.02   0.016    0.02   5280.  0.0040
6763          RX       0     0.1    13.5    23.5    46.5    56.5     70.    70.1
6764          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

6765          KK  C15-21
6766          KM   SUB-BASIN COMBINE
6767          HC       3  48.800

6768          KK  D1521S
6769          KM   SUB-BASIN DIVERSION
6770          KM   SUB-BASIN 15-21
6771          KM   35% West & 65% South
6772          DT  D1521W
6773          DI       0  10000.
6774          DQ       0   3500.

6775          KK    CCB6
6776          KM   EAST/WEST STREET COMBINE
6777          HC       2  48.800

6778          KK   SCB6W
6779          KM   STREET CAPACITY DIVERSION
6780          KM   CAMELBACK
6781          KM   DIVERSION TO SOUTH
6782          DT   SCB6S
6783          DI       0     37.     62.   1002.   1716.
6784          DQ       0     0.1     17.    388.    670.
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

6785          KK   RCB11
6786          KM   STREET ROUTE
6787          KM   WEST
6788          KM   CAMELBACK
6789          RS       3    FLOW     -1.
6790          RC    0.02   0.016    0.02   2650.  0.0028
6791          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
6792          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

6793          KK   D91BH
6794          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
6795          KM   91ST & BETHANY HOME
6796          DR   D91BH

6797          KK  D1521W
6798          KM   RETRIEVAL OF SUB-BASIN DIVERSION
6799          KM   SUB-BASIN 15-21
6800          DR  D1521W

6801          KK    C91E
6802          KM   NORTH/SOUTH STREET COMBINE
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K/14PRINT

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6803          KM   91ST AVENUE
6804          HC       2  48.800

6805          KK   S91ES
6806          KM   STREET CAPACITY DIVERSION
6807          KM   91ST
6808          KM   DIVERSION TO WEST
6809          DT   S91EW
6810          DI       0     47.     84.   1359.   2329.
6811          DQ       0     0.1     24.    565.    975.

6812          KK    R91J
6813          KM   STREET ROUTE
6814          KM   SOUTH
6815          KM   91ST Avenue
6816          RS       5    FLOW     -1.
6817          RC    0.02   0.016    0.02   2640.  0.0010
6818          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
6819          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

6820          KK   CCB91
6821          KM   INTERSECTION COMBINE
6822          KM   CAMLEBACK & 91ST
6823          HC       2  48.800

6824          KK   DCB91
6825          KM   STREET INTERSECTION DIVERSION
6826          KM   CAMELBACK & 91ST
6827          KM   43% West & 57% South
6828          DT   D91CB
6829          DI       0  10000.
6830          DQ       0   5700.
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

6831          KK   RCB12
6832          KM   STREET ROUTE
6833          KM   WEST
6834          KM   CAMELBACK
6835          RS       3    FLOW     -1.
6836          RC    0.02   0.016    0.02   2730.  0.0031
6837          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
6838          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

6839          KK   SBH8S
6840          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
6841          KM   BETHANY HOME
6842          DR   SBH8S

6843          KK  R1621S
6844          KM   SUB-BASIN STREET ROUTE
6845          KM   SOUTH
6846          KM   RW= 50'
6847          KM   PAV= 35'
6848          RS       6    FLOW     -1.
6849          RC    0.02   0.016    0.02   5260.  0.0025
6850          RX       0     0.1     7.5    17.5    32.5    42.5     50.    50.1
6851          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

6852          KK   16-21
6853          KM   SUB-BASIN 16-21
6854          KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
6855          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .994
6856          KM     L = 1.35  Kb = .078  Adj. Slope =   12.0
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6857        BA   1.022
6858        LG    .460     .150   8.800    .090   4.000
6859        UC   1.500     .729
6860        UA      0        5      16      30      65      77      84      90      94      97
6861        UA    100

6862        KK   S91EW
6863        KM   RETRIEVAL OF STREET CAPACITY DIVERSION
6864        KM   91ST
6865        DR   S91EW

6866        KK  R1621W
6867        KM   SUB-BASIN STREET ROUTE
6868        KM   WEST
6869        KM   RW= 170'
6870        KM   PAV= 113'
6871        RS       7    FLOW     -1.
6872        RC    0.02   0.016    0.02   5300.  0.0022
6873        RX       0     0.1    28.5    38.5   131.5   141.5    170.   170.1
6874        RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0
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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

6875        KK  C16-21
6876        KM   SUB-BASIN COMBINE
6877        HC       3  50.641

6878        KK  D1621S
6879        KM   SUB-BASIN DIVERSION
6880        KM   SUB-BASIN 16-21
6881        KM   40% West & 60% South
6882        DT  D1621W
6883        DI       0  10000.
6884        DQ       0   4000.

6885        KK    CCB7
6886        KM   EAST/WEST STREET COMBINE
6887        HC       2  50.641

6888        KK   SCB7W
6889        KM   STREET CAPACITY DIVERSION
6890        KM   CAMELBACK
6891        KM   DIVERSION TO SOUTH
6892        DT   SCB7S
6893        DI       0     32.     47.    709.   1213.
6894        DQ       0     0.1      8.    177.    305.

6895        KK   RCB13
6896        KM   STREET ROUTE
6897        KM   WEST
6898        KM   CAMELBACK
6899        RS       3    FLOW     -1.
6900        RC    0.02   0.016    0.02   2640.  0.0023
6901        RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
6902        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

6903        KK   D99BH
6904        KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
6905        KM   99TH & BETHANY HOME
6906        DR   D99BH

6907        KK  D1621W
6908        KM   RETRIEVAL OF SUB-BASIN DIVERSION
6909        KM   SUB-BASIN 16-21
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6910          DR  D1621W

6911          KK    C99B
6912          KM   NORTH/SOUTH STREET COMBINE
6913          KM   99TH AVENUE
6914          HC       2  50.641

6915          KK   S99BS
6916          KM   STREET CAPACITY DIVERSION
6917          KM   99TH
6918          KM   DIVERSION TO WEST
6919          DT   S99BW
6920          DI       0     36.     60.   1002.   1714.
1                                          HEC-1 INPUT                                                    PAGE154

LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

6921          DQ       0     0.1     16.    260.    442.

6922          KK    R99E
6923          KM   STREET ROUTE
6924          KM   SOUTH
6925          KM   99TH Avenue
6926          RS       3    FLOW     -1.
6927          RC    0.02   0.016    0.02   2620.  0.0026
6928          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
6929          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

6930          KK   CCB99
6931          KM   INTERSECTION COMBINE
6932          KM   CAMELBACK & 99TH
6933          HC       2  50.641

6934          KK   DCB99
6935          KM   STREET INTERSECTION DIVERSION
6936          KM   CAMELBACK & 99TH
6937          KM   66% West & 34% South
6938          DT   D99CB
6939          DI       0  10000.
6940          DQ       0   3400.

6941          KK   RCB14
6942          KM   STREET ROUTE
6943          KM   WEST
6944          KM   CAMELBACK
6945          RS       4    FLOW     -1.
6946          RC    0.02   0.016    0.02   2640.  0.0016
6947          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
6948          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

6949          KK  17-21E
6950          KM   SUB-BASIN 17-21E
6951          KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
6952          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .996
6953          KM     L = 1.68  Kb = .079  Adj. Slope =   12.0
6954          BA    .699
6955          LG    .450    .160   7.300    .160   3.000
6956          UC   1.500   1.078
6957          UA       0       5      16      30      65      77      84      90      94      97
6958          UA     100

6959          KK   S99BW
6960          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
6961          KM   99TH
6962          DR   S99BW
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6963          KK  R1721W
6964          KM   SUB-BASIN STREET ROUTE
6965          KM   WEST
6966          KM   RW= 50'
6967          KM   PAV= 35'
6968          RS       8    FLOW     -1.
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

6969          RC    0.02   0.016    0.02   6515.  0.0024
6970          RX       0     0.1     7.5    17.5    32.5    42.5     50.    50.1
6971          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

6972          KK  C1721E
6973          KM   SUB-BASIN COMBINE
6974          HC       2  51.340

6975          KK  D1721S
6976          KM   SUB-BASIN DIVERSION
6977          KM   SUB-BASIN 17-21E
6978          KM   21% West & 79% South
6979          DT  D1721W
6980          DI       0  10000.
6981          DQ       0   2100.

6982          KK    CCB8
6983          KM   EAST/WEST STREET COMBINE
6984          HC       2  51.340

6985          KK   SCB8W
6986          KM   STREET CAPACITY DIVERSION
6987          KM   CAMELBACK
6988          KM   DIVERSION TO SOUTH
6989          DT   SCB8S
6990          DI       0     23.     44.    730.   1247.
6991          DQ       0     0.1     16.    260.    442.

6992          KK   RCB15
6993          KM   STREET ROUTE
6994          KM   WEST
6995          KM   CAMELBACK
6996          RS       5    FLOW     -1.
6997          RC    0.02   0.016    0.02   2630.  0.0011
6998          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
6999          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

7000          KK  D1721W
7001          KM   RETRIEVAL OF SUB-BASIN DIVERSION
7002          KM   SUB-BASIN 17-21E
7003          DR  D1721W

7004          KK  CCB107
7005          KM   INTERSECTION COMBINE
7006          KM   CAMELBACK & 107TH
7007          HC       2  51.646

7008          KK  DCB107
7009          KM   STREET INTERSECTION DIVERSION
7010          KM   CAMELBACK & 107TH
7011          KM   55% West & 45% South
7012          DT  D107CB
7013          DI       0  10000.
7014          DQ       0   4500.
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

7015          KK  17-21W
7016          KM   SUB-BASIN 17-21W
7017          KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
7018          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .998
7019          KM     L = 1.11  Kb = .093  Adj. Slope =   15.0
7020          BA    .306
7021          LG    .440    .250   5.800    .280   4.000
7022          UC   1.500   1.239
7023          UA      0       5      16      30      65      77      84      90      94      97
7024          UA    100

7025          KK  R1821W
7026          KM   SUB-BASIN STREET ROUTE
7027          KM   WEST
7028          KM   RW= 100'
7029          KM   PAV= 70'
7030          RS     10    FLOW     -1.
7031          RC   0.02   0.016    0.02   8950.  0.0027
7032          RX      0     0.1    15.0    25.0    75.0    85.0    100.   100.1
7033          RY    4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

7034          KK   18-21
7035          KM   SUB-BASIN 18-21
7036          KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
7037          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .997
7038          KM     L = 1.22  Kb = .083  Adj. Slope =   10.0
7039          BA    .542
7040          LG    .480    .250   5.600    .320   1.000
7041          UC   1.500    .965
7042          UA      0       5      16      30      65      77      84      90      94      97
7043          UA    100

7044          KK  C18-21
7045          KM   SUB-BASIN COMBINE
7046          HC      3  52.189

7047          KK   NULL6
7048          KM   NULL COMBINE AT END OF CAMELBACK ROAD COMPUTATIONAL PATH
7049          HC      2     1.
              *
              * INDIAN SCHOOL COMPUTATION PATH
              *

7050          KK   23-22
7051          KM   SUB-BASIN 23-22
7052          KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
7053          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .994
7054          KM     L = 1.41  Kb = .076  Adj. Slope =   13.0
7055          BA    .989
7056          LG    .240    .150   7.600    .120  32.000
7057          UC   1.500    .769
7058          UA      0       5      16      30      65      77      84      90      94      97
7059          UA    100
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

7060          KK  SD31BS
7061          KM   RETRIEVAL OF STORM DRAIN DIVERSION
7062          KM   EXISTING STORM DRAIN ALONG 31ST AVENUE
7063          KM   CAP= 150 CFS SOUTH
7064          DR  SD31BS
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7065        KK  CSD31C
7066        KM   SUB-BASIN COMBINE FOR STORM DRAIN DIVERSION
7067        HC       2

7068        KK  SD31C
7069        KM   STORM DRAIN DIVERSION
7070        KM   STORM DRAIN ALONG HALF MILE STREET
7071        KM   EXISTING STORM DRAIN ALONG 31ST AVENUE
7072        KM   DIVERSION SOUTH
7073        KM   CAP= 251 CFS SOUTH
7074        DT  SD31CS
7075        DI       0    251.  10251.
7076        DQ       0    251.    251.

7077        KK  D2322E
7078        KM   SUB-BASIN DIVERSION
7079        KM   SUB-BASIN 23-22
7080        KM   59% WEST & 41% EAST
7081        DT  D2322W
7082        DI       0  10000.
7083        DQ       0   5900.

7084        KK   D27CB
7085        KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
7086        KM   27TH & CAMELBACK
7087        DR   D27CB

7088        KK   R27E
7089        KM   STREET ROUTE
7090        KM   SOUTH
7091        KM   27TH Avenue
7092        RS       5    FLOW     -1.
7093        RC    0.02   0.016    0.02   5250.  0.0040
7094        RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
7095        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

7096        KK   24-22
7097        KM   SUB-BASIN 24-22
7098        KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
7099        KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .999
7100        KM     L = 1.00  Kb = .047  Adj. Slope =   18.0
7101        BA    .225
7102        LG    .150    .160   7.600    .120  65.000
7103        UC    .679    .564
7104        UA       0       5      16      30      65      77      84      90      94      97
7105        UA     100
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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

7106        KK   CIS27
7107        KM   INTERSECTION COMBINE
7108        KM   INDIAN SCHOOL & 27TH
7109        HC       3   6.253

7110        KK   DIS27
7111        KM   STREET INTERSECTION DIVERSION
7112        KM   INDIAN SCHOOL & 27TH
7113        KM   0% West & 100% South
7114        KM   DIVERSION SOUTH
7115        KM   EXISTING STORM DRAIN ALONG 27TH AVENUE
7116        KM   CAP= 160 CFS SOUTH
7117        DT   D27IS
7118        DI       0  10000.
```


1C/14PRINT

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7119          DQ       0  10000.

7120          KK   D35CB
7121          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
7122          KM   35TH & CAMELBACK
7123          DR   D35CB

7124          KK   R35H
7125          KM   STREET ROUTE
7126          KM   SOUTH
7127          KM   35TH Avenue
7128          RS       2    FLOW     -1.
7129          RC    0.02   0.016    0.02   2580.  0.0047
7130          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
7131          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

7132          KK  D2322W
7133          KM   RETRIEVAL OF SUB-BASIN DIVERSION
7134          KM   SUB-BASIN 23-22
7135          DR  D2322W

7136          KK   C35D
7137          KM   NORTH/SOUTH STREET COMBINE
7138          KM   35TH AVENUE
7139          HC       2  10.130

7140          KK   R35I
7141          KM   STREET ROUTE
7142          KM   SOUTH
7143          KM   35TH Avenue
7144          RS       3    FLOW     -1.
7145          RC    0.02   0.016    0.02   2690.  0.0028
7146          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
7147          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

7148          KK   CIS35
7149          KM   INTERSECTION COMBINE
7150          KM   INDIAN SCHOOL & 35TH
7151          HC       2    10.1

7152          KK   D43CB
7153          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
7154          KM   43RD & CAMELBACK
7155          DR   D43CB

7156          KK  SD43A
7157          KM   STORM DRAIN DIVERSION
7158          KM   EXISTING STORM DRAIN ALONG 43RD AVENUE
7159          KM   CAP= 165 CFS SOUTH
7160          DT  SD43AS
7161          DI       0    165.  10000.
7162          DQ       0    165.    165.

7163          KK   RGR6
7164          KM   STREET ROUTE
7165          KM   SOUTHEAST
7166          KM   GRAND AVENUE
7167          KM   RW=  93'
7168          KM   PAV=  88'
7169          RS       4    FLOW     -1.
7170          RC    0.02   0.016    0.02   3760.  0.0030
7171          RX       0     0.1     2.5    12.5    80.5    90.5     93.    93.1
```

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7172        RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

7173        KK  22-22E
7174        KM   SUB-BASIN 22-22E
7175        KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
7176        KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .997
7177        KM     L = 1.05  Kb = .065  Adj. Slope =   20.0
7178        BA    .532
7179        LG    .220    .260   4.800    .360  43.000
7180        UC    .946    .518
7181        UA       0       5      16      30      65      77      84      90      94      97
7182        UA     100

7183        KK  SD39BS
7184        KM   RETRIEVAL OF STORM DRAIN DIVERSION
7185        KM   EXISTING STORM DRAIN ALONG 31ST AVENUE
7186        KM   CAP= 268 CFS SOUTH
7187        DR  SD39BS

7188        KK  C2222E
7189        KM   SUB-BASIN COMBINE
7190        HC       3  12.095
1                                   HEC-1 INPUT                                          PAGE160

LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


7191        KK  SD39C
7192        KM   STORM DRAIN DIVERSION
7193        KM   STORM DRAIN ALONG HALF MILE STREET
7194        KM   EXISTING STORM DRAIN ALONG 39TH AVENUE
7195        KM   DIVERSION SOUTH
7196        KM   CAP= 268 CFS SOUTH
7197        DT  SD39CS
7198        DI       0    268.  10268.
7199        DQ       0    268.    268.

7200        KK   RGR7
7201        KM   STREET ROUTE
7202        KM   SOUTHEAST
7203        KM   GRAND AVENUE
7204        KM   RW=  93'
7205        KM   PAV=  88'
7206        RS       4    FLOW     -1.
7207        RC    0.02   0.016    0.02   3690.  0.0031
7208        RX       0     0.1     2.5    12.5    80.5    90.5     93.    93.1
7209        RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

7210        KK  CIS35A
7211        KM   INTERSECTION COMBINE
7212        KM   INDIAN SCHOOL & 35TH
7213        HC       2    15.6

7214        KK   DIS35
7215        KM   STREET INTERSECTION DIVERSION
7216        KM   INDIAN SCHOOL & 35TH
7217        KM   DIVERSION TO SOUTH (FLOW IN GRAND AVE)
7218        KM   SPECIAL CASE
7219        KM   EXISTING STORM DRAIN ALONG 35TH AVENUE
7220        KM   CAP=  75 CFS SOUTH
7221        DT   D35IS
7222        DI       0     75.     79.    291.    340.    480.   1337.   2975.
7223        DQ       0     0.1      4.    216.    265.    389.    813.   1460.

7224        KK  SIS1AW
7225        KM   STREET CAPACITY DIVERSION
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K&T 4-PRINT

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7226          KM   INDIAN SCHOOL
7227          KM   DIVERSION TO SOUTH
7228          DT  SIS1AS
7229          DI       0  10000.
7230          DQ       0  10000.

7231          KK  22-22W
7232          KM   SUB-BASIN 22-22W
7233          KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
7234          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .997
7235          KM     L =  .96  Kb = .025  Adj. Slope =   26.0
7236          BA    .467
7237          LG    .140    .250   4.800    .380  57.000
7238          UC    .383    .191
7239          UA       0       5      16      30      65      77      84      90      94      97
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

7240          UA     100

7241          KK  D2222S
7242          KM   SUB-BASIN DIVERSION
7243          KM   SUB-BASIN 22-22W
7244          KM   14% West & 86% South
7245          DT  D2222W
7246          DI       0  10000.
7247          DQ       0   1400.

7248          KK  SD39CS
7249          KM   RETRIEVAL OF STORM DRAIN DIVERSION
7250          KM   EXISTING STORM DRAIN ALONG 39TH AVENUE
7251          KM   CAP= 268 CFS SOUTH
7252          DR  SD39CS

7253          KK  C2222W
7254          KM   SUB-BASIN COMBINE
7255          HC       3    16.0

7256          KK   SIS1W
7257          KM   STREET CAPACITY DIVERSION
7258          KM   INDIAN SCHOOL
7259          KM   43% WEST 57% SOUTH
7260          KM   DIVERSION TO SOUTH -- SPECIAL CASE
7261          KM   FLOW DIVERSION BASED ON GRADE BREAK LOCATIONS & STREET PATTERNS
7262          KM   EXISTING STORM DRAIN ALONG 39TH AVENUE
7263          KM   CAP= 332 CFS SOUTH
7264          DT   SIS1S
7265          DI       0    332.   1332.   2332.   3332.
7266          DQ       0    332.    902.   1472.   2042.

7267          KK   RIS1
7268          KM   STREET ROUTE
7269          KM   WEST
7270          KM   INDIAN SCHOOL
7271          RS       3    FLOW     -1.
7272          RC    0.02   0.016    0.02   1400.  0.0007
7273          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
7274          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

7275          KK  D2222W
7276          KM   RETRIEVAL OF SUB-BASIN DIVERSION
7277          KM   SUB-BASIN 22-22W
7278          DR  D2222W

7279          KK  SD43AS
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7280          KM   RETRIEVAL OF STORM DRAIN DIVERSION
7281          KM   EXISTING STORM DRAIN ALONG 43RD AVENUE
7282          KM   CAP= 165 CFS SOUTH
7283          DR  SD43AS
1                                   HEC-1 INPUT                                          PAGE162

LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


7284          KK  CSD43A
7285          KM   COMBINE FOR STORM DRAIN DIVERSION
7286          KM   ALONG 43RD AVENUE JUST SOUTH OF GRAND AVENUE
7287          HC       2     16.

7288          KK   S43FS
7289          KM   STREET CAPACITY DIVERSION
7290          KM   43RD
7291          KM   DIVERSION TO WEST
7292          KM   EXISTING STORM DRAIN ALONG 43RD AVENUE
7293          KM   CAP=  89 CFS SOUTH
7294          DT   S43FW
7295          DI       0    131.    149.    972.   1598.
7296          DQ       0     0.1      8.    177.    305.

7297          KK   R43J
7298          KM   STREET ROUTE
7299          KM   SOUTH
7300          KM   43RD Avenue
7301          RS       3    FLOW     -1.
7302          RC    0.02   0.016    0.02   3750.  0.0040
7303          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
7304          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

7305          KK   CIS43
7306          KM   INTERSECTION COMBINE
7307          KM   INDIAN SCHOOL & 43RD
7308          HC       2    16.0

7309          KK   DIS43
7310          KM   STREET INTERSECTION DIVERSION
7311          KM   INDIAN SCHOOL & 43RD
7312          KM   37% West & 63% South
7313          KM   DIVERSION SOUTH
7314          KM   EXISTING STORM DRAIN ALONG 43RD AVENUE
7315          KM   CAP=  89 CFS SOUTH
7316          DT   D43IS
7317          DI       0     89.  10089.
7318          DQ       0     89.   6389.

7319          KK   RIS2
7320          KM   STREET ROUTE
7321          KM   WEST
7322          KM   INDIAN SCHOOL
7323          RS       6    FLOW     -1.
7324          RC    0.02   0.016    0.02   2650.  0.0007
7325          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
7326          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
1                                   HEC-1 INPUT                                          PAGE163

LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


7327          KK   SCB1S
7328          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
7329          KM   CAMELBACK
7330          DR   SCB1S
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7331          KK  R2122S
7332          KM   SUB-BASIN STREET ROUTE
7333          KM   SOUTH
7334          KM   RW= 140'
7335          KM   PAV= 86'
7336          RS       5    FLOW     -1.
7337          RC    0.02   0.016    0.02   5330.  0.0040
7338          RX       0     0.1    27.0    37.0   103.0   113.0    140.   140.1
7339          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

7340          KK   21-22
7341          KM   SUB-BASIN 21-22
7342          KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
7343          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .994
7344          KM     L = 1.45  Kb = .047  Adj. Slope =   17.0
7345          BA    .995
7346          LG    .200    .290   5.000    .290  30.000
7347          UC   1.033    .518
7348          UA       0       5      16      30      65      77      84      90      94      97
7349          UA     100

7350          KK   S43FW
7351          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
7352          KM   43RD
7353          DR   S43FW

7354          KK  R2122W
7355          KM   SUB-BASIN STREET ROUTE
7356          KM   WEST
7357          KM   RW= 50'
7358          KM   PAV= 35'
7359          RS       5    FLOW     -1.
7360          RC    0.02   0.016    0.02   4980.  0.0035
7361          RX       0     0.1     7.5    17.5    32.5    42.5     50.    50.1
7362          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

7363          KK  C21-22
7364          KM   SUB-BASIN COMBINE
7365          HC       3    13.5

7366          KK  D2122S
7367          KM   SUB-BASIN DIVERSION
7368          KM   SUB-BASIN 21-22
7369          KM   28% West & 72% South
7370          DT  D2122W
7371          DI       0  10000.
7372          DQ       0   2800.
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

7373          KK   CIS1
7374          KM   EAST/WEST STREET COMBINE
7375          KM   INDIAN SCHOOL
7376          HC       2    17.5

7377          KK  SIS2WA
7378          KM   STREET CAPACITY DIVERSION
7379          KM   INDIAN SCHOOL
7380          KM   SPECIAL CASE -- DUE TO GRADE BREAK
7381          KM   DIVERSION TO SOUTH
7382          DT  SIS2SA
7383          DI       0  10000.
7384          DQ       0   5000.
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7385          KK   SIS2W
7386          KM   STREET CAPACITY DIVERSION
7387          KM   INDIAN SCHOOL
7388          KM   DIVERSION TO SOUTH
7389          KM   STORM DRAIN ALONG INDIAN SCHOOL ROAD
7390          KM   CAP=  45.0 CFS WEST
7391          DT   SIS2S
7392          DI       0     59.     95.   1029.   1734.
7393          DQ       0     0.1     32.    741.   1279.

7394          KK   RIS3
7395          KM   STREET ROUTE
7396          KM   WEST
7397          KM   INDIAN SCHOOL
7398          RS       4    FLOW     -1.
7399          RC    0.02   0.016    0.02   2710.  0.0014
7400          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
7401          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

7402          KK   D51CB
7403          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
7404          KM   51ST & CAMELBACK
7405          DR   D51CB

7406          KK   R51K
7407          KM   STREET ROUTE
7408          KM   SOUTH
7409          KM   51ST Avenue
7410          RS       2    FLOW     -1.
7411          RC    0.02   0.016    0.02   2650.  0.0042
7412          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
7413          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

7414          KK  D2122W
7415          KM   RETRIEVAL OF SUB-BASIN DIVERSION
7416          KM   SUB-BASIN 21-22
7417          DR  D2122W
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

7418          KK   C51E
7419          KM   NORTH/SOUTH STREET COMBINE
7420          KM   51ST AVENUE
7421          HC       2    13.5

7422          KK   S51GS
7423          KM   STREET CAPACITY DIVERSION
7424          KM   51ST
7425          KM   DIVERSION TO WEST
7426          KM   STORM DRAIN ALONG 51ST AVE
7427          KM   CAP=  38.0 CFS SOUTH
7428          DT   S51GW
7429          DI       0     75.    110.   1259.   2132.
7430          DQ       0     0.1     26.    600.   1035.

7431          KK   R51L
7432          KM   STREET ROUTE
7433          KM   SOUTH
7434          KM   51ST Avenue
7435          RS       3    FLOW     -1.
7436          RC    0.02   0.016    0.02   2650.  0.0032
7437          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
7438          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
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7439          KK   CIS51
7440          KM   INTERSECTION COMBINE
7441          KM   INDIAN SCHOOL & 51ST
7442          HC       2    17.5

7443          KK   DIS51
7444          KM   STREET INTERSECTION DIVERSION
7445          KM   INDIAN SCHOOL & 51ST
7446          KM   22% West & 78% South
7447          KM   DIVERSION SOUTH
7448          KM   EXISTING STORM DRAIN ALONG 51ST AVENUE
7449          KM   CAP= 207 CFS SOUTH
7450          DT   D51IS
7451          DI       0    207.  10207.
7452          DQ       0    207.   8007.

7453          KK   RIS4
7454          KM   STREET ROUTE
7455          KM   WEST
7456          KM   INDIAN SCHOOL
7457          RS       4    FLOW     -1.
7458          RC    0.02   0.016    0.02   2710.  0.0016
7459          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
7460          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
1                                          HEC-1 INPUT                                                    PAGE166

LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


7461          KK   SCB2S
7462          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
7463          KM   CAMELBACK
7464          DR   SCB2S

7465          KK  R2022S
7466          KM   SUB-BASIN STREET ROUTE
7467          KM   SOUTH
7468          KM   RW= 220'
7469          KM   PAV= 148'
7470          RS       6    FLOW     -1.
7471          RC    0.02   0.016    0.02   5340.  0.0031
7472          RX       0     0.1    36.0    46.0   174.0   184.0    220.   220.1
7473          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

7474          KK   20-22
7475          KM   SUB-BASIN 20-22
7476          KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
7477          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .994
7478          KM     L = 1.42  Kb = .069  Adj. Slope =   12.0
7479          BA   1.014
7480          LG    .220    .250   5.300    .300  40.000
7481          UC   1.500    .762
7482          UA       0       5      16      30      65      77      84      90      94      97
7483          UA     100

7484          KK   S51GW
7485          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
7486          KM   51ST
7487          DR   S51GW

7488          KK  R2022W
7489          KM   SUB-BASIN STREET ROUTE
7490          KM   WEST
7491          KM   RW= 120'
7492          KM   PAV= 78'
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7493        RS       8    FLOW     -1.
7494        RC    0.02   0.016    0.02   5400.  0.0017
7495        RX       0     0.1    21.0    31.0    89.0    99.0    120.   120.1
7496        RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

7497        KK  C20-22
7498        KM   SUB-BASIN COMBINE
7499        HC       3    20.5

7500        KK  D2022S
7501        KM   SUB-BASIN DIVERSION
7502        KM   SUB-BASIN 20-22
7503        KM   39% West & 61% South
7504        DT  D2022W
7505        DI       0  10000.
7506        DQ       0   3900.
```



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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

7507        KK   CIS2
7508        KM   EAST/WEST STREET COMBINE
7509        KM   INDIAN SCHOOL
7510        HC       2    24.5

7511        KK   SIS3W
7512        KM   CASE 2
7513        KM   STREET CAPACITY DIVERSION
7514        KM   INDIAN SCHOOL
7515        KM   DIVERSION TO SOUTH
7516        KM   STORM DRAIN ALONG INDIAN SCHOOL
7517        KM   CAP=  61.0 CFS WEST
7518        DT   SIS3S
7519        DI       0    134.    221.   2044.   3408.
7520        DQ       0     42.    116.   1492.   2506.

7521        KK   RIS5
7522        KM   STREET ROUTE
7523        KM   WEST
7524        KM   INDIAN SCHOOL
7525        RS       4    FLOW     -1.
7526        RC    0.02   0.016    0.02   2680.  0.0019
7527        RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
7528        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

7529        KK   D59CB
7530        KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
7531        KM   59TH & CAMELBACK
7532        DR   D59CB

7533        KK   R59L
7534        KM   STREET ROUTE
7535        KM   SOUTH
7536        KM   59TH Avenue
7537        RS       3    FLOW     -1.
7538        RC    0.02   0.016    0.02   2660.  0.0032
7539        RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
7540        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

7541        KK  D2022W
7542        KM   RETRIEVAL OF SUB-BASIN DIVERSION
7543        KM   SUB-BASIN 20-22
7544        DR  D2022W

7545        KK   C59F
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7546          KM   NORTH/SOUTH STREET COMBINE
7547          KM   59TH AVENUE
7548          HC       2    20.5
1                                        HEC-1 INPUT                                          PAGE168

LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


7549          KK   S59GS
7550          KM   STREET CAPACITY DIVERSION
7551          KM   59TH
7552          KM   DIVERSION TO WEST
7553          KM   STORM DRAIN ALONG 59TH AVE
7554          KM   CAP=  60.0 CFS SOUTH
7555          DT   S59GW
7556          DI       0     93.    141.   1540.   2602.
7557          DQ       0     0.1     40.    918.   1584.

7558          KK   R59M
7559          KM   STREET ROUTE
7560          KM   SOUTH
7561          KM   59TH Avenue
7562          RS       3    FLOW     -1.
7563          RC    0.02   0.016    0.02   2630.  0.0028
7564          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
7565          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

7566          KK   CIS59
7567          KM   INTERSECTION COMBINE
7568          KM   INDIAN SCHOOL & 59TH
7569          HC       2    24.5

7570          KK   DIS59
7571          KM   STREET INTERSECTION DIVERSION
7572          KM   INDIAN SCHOOL & 59TH
7573          KM   39% West & 61% South
7574          KM   DIVERSION SOUTH
7575          KM   EXISTING STORM DRAIN ALONG 59TH AVENUE
7576          KM   CAP= 359 CFS SOUTH
7577          DT   D59IS
7578          DI       0    359.  10359.
7579          DQ       0    359.   6459.

7580          KK   RIS6
7581          KM   STREET ROUTE
7582          KM   WEST
7583          KM   INDIAN SCHOOL
7584          RS       1    FLOW     -1.
7585          RC    0.02   0.016    0.02   1420.  0.0059
7586          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
7587          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

7588          KK   SCB3S
7589          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
7590          KM   CAMELBACK
7591          DR   SCB3S
1                                        HEC-1 INPUT                                          PAGE169

LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


7592          KK  R1922S
7593          KM   SUB-BASIN STREET ROUTE
7594          KM   SOUTH
7595          KM   RW= 270'
7596          KM   PAV= 183'
```

```
7597    RS      6    FLOW     -1.
7598    RC   0.02   0.016    0.02   5320.  0.0025
7599    RX      0     0.1    43.5    53.5   216.5   226.5    270.   270.1
7600    RY    4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

7601    KK   19-22
7602    KM   SUB-BASIN 19-22
7603    KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
7604    KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .994
7605    KM     L = 1.31  Kb = .076  Adj. Slope =   17.0
7606    BA    .939
7607    LG    .230    .160   7.300    .140  27.000
7608    UC   1.296    .635
7609    UA      0       5      16      30      65      77      84      90      94      97
7610    UA    100

7611    KK    PAGC        STORAGE ROUTING IN GOLF COURSE
7612    KM    PONDING AREA IN THE GOLF COURSE AT 59TH AVE & INDIAN SCHOOL
7613    KM    DATA BASED ON HEC-1 BY CVL(4/96) FOR FCD 93-34
7614    KM    SEE CVL COMPUTATION SHEETS IN APPENDIX E
7615    RS      1    FLOW      -1
7616    SV      0    1.93    5.25    9.27   14.63   20.86   28.00      32
7617    SE   1100    1101    1102    1103    1104    1105    1106  1106.5
7618    SQ      0       0       0       0       0     477    2326    3000

7619    KK   S59GW
7620    KM   RETRIEVAL OF STREET CAPACITY DIVERSION
7621    KM   59TH
7622    DR   S59GW

7623    KK  R1922W
7624    KM   SUB-BASIN STREET ROUTE
7625    KM   WEST
7626    KM   RW= 220'
7627    KM   PAV= 148'
7628    RS      6    FLOW     -1.
7629    RC   0.02   0.016    0.02   5170.  0.0027
7630    RX      0     0.1    36.0    46.0   174.0   184.0    220.   220.1
7631    RY    4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

7632    KK  C19-22
7633    KM   SUB-BASIN COMBINE
7634    HC      3    28.7
```



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LINE    ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

7635    KK  D1922S
7636    KM   SUB-BASIN DIVERSION
7637    KM   SUB-BASIN 19-22
7638    KM   44% West & 56% South
7639    DT  D1922W
7640    DI      0  10000.
7641    DQ      0   4400.

7642    KK   CIS3
7643    KM   EAST/WEST STREET COMBINE
7644    KM   INDIAN SCHOOL
7645    HC      2    32.7

7646    KK   SIS4W
7647    KM   STREET CAPACITY DIVERSION
7648    KM   INDIAN SCHOOL
7649    KM   DIVERSION TO SOUTH
7650    KM   STORM DRAIN ALONG INDIAN SCHOOL
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K/L14PRINT

```
7651        KM   CAP= 26. CFS WEST
7652        DT   SIS4S
7653        DI       0     26.  10026.
7654        DQ       0     0.1  10000.

7655        KK   D67CB
7656        KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
7657        KM   67TH & CAMELBACK
7658        DR   D67CB

7659        KK   R67N
7660        KM   STREET ROUTE
7661        KM   SOUTH
7662        KM   67TH Avenue
7663        RS       3    FLOW     -1.
7664        RC    0.02   0.016    0.02   2680.  0.0036
7665        RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
7666        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

7667        KK  D1922W
7668        KM   RETRIEVAL OF SUB-BASIN DIVERSION
7669        KM   SUB-BASIN 19-22
7670        DR  D1922W

7671        KK   C67G
7672        KM   NORTH/SOUTH STREET COMBINE
7673        KM   67TH AVENUE
7674        HC       2    28.7

7675        KK   S67HS
7676        KM   STREET CAPACITY DIVERSION
7677        KM   SPECIAL CASE
7678        KM   100% WEST & 0% SOUTH DUE TO GRAND CANAL
7679        KM   DIVERSION TO WEST
7680        DT   S67HW
7681        DI       0  10000.
```



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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

7682        DQ       0  10000.

7683        KK   CIS67
7684        KM   INTERSECTION COMBINE
7685        KM   67TH & INDIAN SCHOOL
7686        HC       2    28.7

7687        KK   DIS67
7688        KM   INTERSECTION DIVERSION
7689        KM   SPECIAL CASE
7690        KM   EXISTING STORM DRAIN SYSTEM ALONG 67TH AVENUE
7691        KM   THIS INTERSECTION DOES NOT HAVE A SURFACE DRAINAGE AREA
7692        KM   100% OF THE FLOW DIVERTED SOUTH
7693        KM   DIVERSION SOUTH
7694        KM   STORM DRAIN ALONG 59TH AVE
7695        KM   CAP= 174.0 CFS SOUTH
7696        DT   D67IS
7697        DI       0  10000.
7698        DQ       0  10000.

7699        KK   S67HW
7700        KM   RETRIEVAL OF STREET CAPACITY DIVERSION
7701        KM   67TH
7702        DR   S67HW

7703        KK  R2421W
```

```
7704          KM   SUB-BASIN STREET ROUTE
7705          KM   WEST
7706          KM   RW= 370'
7707          KM   PAV= 253'
7708          RS      12    FLOW     -1.
7709          RC    0.02   0.016    0.02   5790.  0.0008
7710          RX       0     0.1    58.5    68.5   301.5   311.5    370.   370.1
7711          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

7712          KK  24-21N
7713          KM   SUB-BASIN 24-21N
7714          KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
7715          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .998
7716          KM     L =  .76  Kb = .084  Adj. Slope =   20.0
7717          BA    .413
7718          LG    .240    .150   8.000    .100  32.000
7719          UC    .837    .404
7720          UA       0       5      16      30      65      77      84      90      94      97
7721          UA     100

7722          KK   SCB4S
7723          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
7724          KM   CAMELBACK
7725          DR   SCB4S
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


7726          KK  R2421S
7727          KM   SUB-BASIN STREET ROUTE
7728          KM   SOUTH
7729          KM   RW= 70'
7730          KM   PAV= 43'
7731          RS       5    FLOW     -1.
7732          RC    0.02   0.016    0.02   3800.  0.0018
7733          RX       0     0.1    13.5    23.5    46.5    56.5     70.    70.1
7734          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

7735          KK  C2421N
7736          KM   SUB-BASIN COMBINE
7737          HC       3  40.904

7738          KK  RES24N
7739          KM   PONDING AREA RESERVOIR ROUTE
7740          KM   PONDING AREA NORTHEAST OF GRAND CANAL EMBANKMENT
7741          KM   FLOW OVERTOPS THE GRAND CANAL TO THE SOUTH
7742          KM   SUB-BASIN 24-21N
7743          RS       1    ELEV   1092.
7744          SV       0   14.23   83.84  148.04  186.14  228.25
7745          SE   1092.   1094.   1096.   1097.  1097.5   1098.
7746          SQ      0.     0.1     0.2     0.3    317.   1958.

7747          KK  24-21S
7748          KM   SUB-BASIN 24-21S
7749          KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
7750          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .996
7751          KM     L =  .53  Kb = .068  Adj. Slope =   12.0
7752          BA    .612
7753          LG    .220    .160   7.600    .110  39.000
7754          UC    .692    .196
7755          UA       0       5      16      30      65      77      84      90      94      97
7756          UA     100

7757          KK  C2421S
7758          KM   SUB-BASIN COMBINE
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7759          HC       2   41.52

7760          KK  D2421S
7761          KM   SUB-BASIN DIVERSION
7762          KM   SUB-BASIN 24-21S
7763          KM   21% West & 79% South
7764          DT  D2421W
7765          DI       0  10000.
7766          DQ       0   2100.

7767          KK    CIS5
7768          KM   EAST/WEST STREET COMBINE
7769          HC       2  41.516
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

7770          KK   SIS5W
7771          KM   STREET CAPACITY DIVERSION
7772          KM   INDIAN SCHOOL
7773          KM   DIVERSION TO SOUTH
7774          DT   SIS5S
7775          DI       0     30.     62.   1071.   1837.
7776          DQ       0     0.1     24.    565.    975.

7777          KK    RIS8
7778          KM   STREET ROUTE
7779          KM   WEST
7780          KM   INDIAN SCHOOL
7781          RS       3    FLOW     -1.
7782          RC    0.02   0.016    0.02   2650.  0.0024
7783          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
7784          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

7785          KK   D75CB
7786          KM   RETRIEVAL OF INTERSECTION DIVERSION
7787          DR   D75CB

7788          KK  D2421W
7789          KM   RETRIEVAL OF SUB-BASIN DIVERSION
7790          KM   SUB-BASIN 24-21S
7791          DR  D2421W

7792          KK   C75F1
7793          KM   NORTH/SOUTH STREET COMBINE
7794          KM   75TH AVENUE
7795          HC       2   41.52

7796          KK   S75IS
7797          KM   STREET CAPACITY DIVERSION
7798          KM   75TH AVENUE
7799          KM   DIVERSION TO WEST
7800          DT   S75IW
7801          DI       0     35.     83.   1498.   2573.
7802          DQ       0     0.1     40.    918.   1584.

7803          KK    R75O
7804          KM   STREET ROUTE
7805          KM   SOUTH
7806          KM   75TH Avenue
7807          RS       3    FLOW     -1.
7808          RC    0.02   0.016    0.02   2610.  0.0036
7809          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
7810          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
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7811          KK   CIS75
7812          KM   INTERSECTION COMBINE
7813          KM   INDIAN SCHOOL & 75TH
7814          HC       2  41.516
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

7815          KK   DIS75
7816          KM   STREET INTERSECTION DIVERSION
7817          KM   INDIAN SCHOOL & 75TH
7818          KM   27% West & 73% South
7819          KM   DIVERSION SOUTH
7820          KM   STORM DRAIN ALONG 75TH AVE
7821          KM   CAP= 161.0 CFS SOUTH
7822          KM   STORM DRAIN ALONG INDIAN SCHOOL
7823          KM   CAP=  11.0 CFS WEST
7824          DT   D75IS
7825          DI       0    172.  10172.
7826          DQ       0    161.   7461.

7827          KK    RIS9
7828          KM   STREET ROUTE
7829          KM   WEST
7830          KM   INDIAN SCHOOL
7831          RS       3    FLOW     -1.
7832          RC    0.02   0.016    0.02   2520.  0.0027
7833          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
7834          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

7835          KK   SCB5S
7836          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
7837          KM   CAMELBACK
7838          DR   SCB5S

7839          KK  R2321S
7840          KM   SUB-BASIN STREET ROUTE
7841          KM   SOUTH
7842          KM   RW= 220'
7843          KM   PAV= 148'
7844          RS       5    FLOW     -1.
7845          RC    0.02   0.016    0.02   5010.  0.0030
7846          RX       0     0.1    36.0    46.0   174.0   184.0    220.   220.1
7847          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

7848          KK   23-21
7849          KM   SUB-BASIN 23-21
7850          KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
7851          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .994
7852          KM     L = 1.26  Kb = .073  Adj. Slope =   18.0
7853          BA    .986
7854          LG    .240    .180   6.800    .160  33.000
7855          UC   1.192    .545
7856          UA       0       5      16      30      65      77      84      90      94      97
7857          UA     100

7858          KK   S75IW
7859          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
7860          KM   75TH
7861          DR   S75IW
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10
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7862        KK  R2321W
7863        KM   SUB-BASIN STREET ROUTE
7864        KM   WEST
7865        KM   RW= 470'
7866        KM   PAV= 323'
7867        RS       5    FLOW     -1.
7868        RC    0.02   0.016    0.02   5030.  0.0032
7869        RX       0     0.1    73.5    83.5   386.5   396.5    470.   470.1
7870        RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

7871        KK  C23-21
7872        KM   SUB-BASIN COMBINE
7873        HC       3  47.020

7874        KK  D2321S
7875        KM   SUB-BASIN DIVERSION
7876        KM   SUB-BASIN 23-21
7877        KM   43% West & 57% South
7878        DT  D2321W
7879        DI       0  10000.
7880        DQ       0   4300.

7881        KK    CIS6
7882        KM   EAST/WEST STREET COMBINE
7883        HC       2  47.020

7884        KK   SIS6W
7885        KM   STREET CAPACITY DIVERSION
7886        KM   INDIAN SCHOOL
7887        KM   DIVERSION TO SOUTH
7888        KM   STORM DRAIN ALONG INDIAN SCHOOL ROAD
7889        KM   CAP=  37.0 CFS WEST
7890        DT   SIS6S
7891        DI       0     70.    140.   2034.   3472.
7892        DQ       0     0.1     62.   1447.   2497.

7893        KK   RIS10
7894        KM   STREET ROUTE
7895        KM   WEST
7896        KM   INDIAN SCHOOL
7897        RS       3    FLOW     -1.
7898        RC    0.02   0.016    0.02   2760.  0.0030
7899        RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
7900        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

7901        KK   D83CB
7902        KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
7903        KM   83RD & CAMELBACK
7904        DR   D83CB
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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

7905        KK    R83N
7906        KM   STREET ROUTE
7907        KM   SOUTH
7908        KM   83RD Avenue
7909        RS       3    FLOW     -1.
7910        RC    0.02   0.016    0.02   2650.  0.0022
7911        RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
7912        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

7913        KK  D2321W
7914        KM   RETRIEVAL OF SUB-BASIN DIVERSION
7915        KM   SUB-BASIN 23-21
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7916        DR  D2321W

7917        KK   C83G
7918        KM  NORTH/SOUTH STREET COMBINE
7919        KM  83RD AVENUE
7920        HC      2  47.020

7921        KK  S83HS
7922        KM  STREET CAPACITY DIVERSION
7923        KM  83RD
7924        KM  DIVERSION TO WEST
7925        DT  S83HW
7926        DI     0     29.    1 52    846.   1449.
7927        DQ     0     0.1     15.    353.    609.

7928        KK   R830
7929        KM  STREET ROUTE
7930        KM  SOUTH
7931        KM  83RD Avenue
7932        RS     3    FLOW     -1.
7933        RC  0.02   0.016    0.02   2680.  0.0025
7934        RX  44.9     45.     66.    66.1    134.   134.1    155.   155.1
7935        RY   4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

7936        KK  CIS83
7937        KM  INTERSECTION COMBINE
7938        KM  INDIAN SCHOOL & 83RD
7939        HC      2  47.020

7940        KK  DIS83
7941        KM  STREET INTERSECTION DIVERSION
7942        KM  INDIAN SCHOOL & 83RD
7943        KM  66% West & 34% South
7944        KM  DIVERSION SOUTH
7945        KM  STORM DRAIN ALONG 83RD AVE
7946        KM  CAP= 199.0 CFS SOUTH
7947        DT  D83IS
7948        DI     0    199.  10199.
7949        DQ     0    199.   3599.
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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

7950        KK  RIS11
7951        KM  STREET ROUTE
7952        KM  WEST
7953        KM  INDIAN SCHOOL
7954        RS     3    FLOW     -1.
7955        RC  0.02   0.016    0.02   2670.  0.0030
7956        RX  44.9     45.     66.    66.1    134.   134.1    155.   155.1
7957        RY   4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

7958        KK  SCB6S
7959        KM  RETRIEVAL OF STREET CAPACITY DIVERSION
7960        KM  CAMELBACK
7961        DR  SCB6S

7962        KK  R2221S
7963        KM  SUB-BASIN STREET ROUTE
7964        KM  SOUTH
7965        KM  RW= 120'
7966        KM  PAV= 78'
7967        RS     8    FLOW     -1.
7968        RC  0.02   0.016    0.02   5290.  0.0016
7969        RX     0     0.1    21.0    31.0    89.0    99.0    120.   120.1
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7970          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

7971          KK   22-21
7972          KM   SUB-BASIN 22-21
7973          KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
7974          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .994
7975          KM     L = 1.42  Kb = .073  Adj. Slope =   16.0
7976          BA   1.001
7977          LG    .310    .160   9.700    .060  24.000
7978          UC   1.321    .667
7979          UA       0       5      16      30      65      77      84      90      94      97
7980          UA     100

7981          KK   S83HW
7982          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
7983          KM   83RD
7984          DR   S83HW

7985          KK  R2221W
7986          KM   SUB-BASIN STREET ROUTE
7987          KM   WEST
7988          KM   RW= 70'
7989          KM   PAV= 43'
7990          RS       5    FLOW     -1.
7991          RC    0.02   0.016    0.02   5260.  0.0037
7992          RX       0     0.1    13.5    23.5    46.5    56.5     70.    70.1
7993          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0
1                                          HEC-1 INPUT                                                    PAGE178

LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


7994          KK  C22-21
7995          KM   SUB-BASIN COMBINE
7996          HC       3  55.235

7997          KK  D2221S
7998          KM   SUB-BASIN DIVERSION
7999          KM   SUB-BASIN 22-21
8000          KM   57% West & 43% South
8001          DT  D2221W
8002          DI       0  10000.
8003          DQ       0   5700.

8004          KK    CIS7
8005          KM   EAST/WEST STREET COMBINE
8006          KM   INDIAN SCHOOL
8007          HC       2  55.235

8008          KK   SIS7W
8009          KM   STREET CAPACITY DIVERSION
8010          KM   INDIAN SCHOOL
8011          KM   DIVERSION TO SOUTH
8012          KM   STORM DRAIN ALONG INDIAN SCHOOL ROAD
8013          KM   CAP=  33.0 CFS WEST
8014          DT   SIS7S
8015          DI       0     66.    107.   1333.   2265.
8016          DQ       0     0.1     32.    741.   1279.

8017          KK   RIS12
8018          KM   STREET ROUTE
8019          KM   WEST
8020          KM   INDIAN SCHOOL
8021          RS       3    FLOW     -1.
8022          RC    0.02   0.016    0.02   2640.  0.0030
8023          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
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8024          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

8025          KK   D91CB
8026          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
8027          KM   91ST & CAMELBACK
8028          DR   D91CB

8029          KK    R91K
8030          KM   STREET ROUTE
8031          KM   SOUTH
8032          KM   91ST Avenue
8033          RS       3    FLOW     -1.
8034          RC    0.02   0.016    0.02   2680.  0.0022
8035          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
8036          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
                                             HEC-1 INPUT                                                    PAGE179
1

LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


8037          KK  D2221W
8038          KM   RETRIEVAL OF SUB-BASIN DIVERSION
8039          KM   SUB-BASIN 22-21
8040          DR  D2221W

8041          KK    C91F
8042          KM   NORTH/SOUTH STREET COMBINE
8043          KM   91ST AVENUE
8044          HC       2  55.235

8045          KK   S91FS
8046          KM   STREET CAPACITY DIVERSION
8047          KM   91ST
8048          KM   DIVERSION TO WEST
8049          DT   S91FW
8050          DI       0     25.     54.    954.   1638.
8051          DQ       0     0.1     23.    530.    914.

8052          KK    R91L
8053          KM   STREET ROUTE
8054          KM   SOUTH
8055          KM   91ST Avenue
8056          RS       4    FLOW     -1.
8057          RC    0.02   0.016    0.02   2640.  0.0012
8058          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
8059          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

8060          KK   CIS91
8061          KM   INTERSECTION COMBINE
8062          KM   INDIAN SCHOOL & 91ST
8063          HC       2  55.235

8064          KK   DIS91
8065          KM   STREET INTERSECTION DIVERSION
8066          KM   INDIAN SCHOOL & 91ST
8067          KM   80% West & 20% South
8068          KM   DIVERSION SOUTH
8069          KM   STORM DRAIN ALONG 91ST AVE
8070          KM   CAP= 162.0 CFS SOUTH
8071          DT   D91IS
8072          DI       0    162.  10162.
8073          DQ       0    162.   2162.

8074          KK   RIS13
8075          KM   STREET ROUTE
8076          KM   WEST
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8077        KM   INDIAN SCHOOL
8078        RS       3    FLOW     -1.
8079        RC    0.02   0.016    0.02   2670.  0.0034
8080        RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
8081        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
1                                          HEC-1 INPUT                                                    PAGE180

LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


8082        KK   SCB7S
8083        KM   RETRIEVAL OF STREET CAPACITY DIVERSION
8084        KM   CAMELBACK
8085        DR   SCB7S

8086        KK  R2121S
8087        KM   SUB-BASIN STREET ROUTE
8088        KM   SOUTH
8089        KM   RW= 100'
8090        KM   PAV= 70'
8091        RS       7    FLOW     -1.
8092        RC    0.02   0.016    0.02   5310.  0.0019
8093        RX       0     0.1    15.0    25.0    75.0    85.0    100.   100.1
8094        RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

8095        KK   21-21
8096        KM   SUB-BASIN 21-21
8097        KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
8098        KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .994
8099        KM     L = 1.24  Kb = .079  Adj. Slope =   14.0
8100        BA   1.007
8101        LG    .500    .150   9.700    .070    .000
8102        UC   1.408    .640
8103        UA       0       5      16      30      65      77      84      90      94      97
8104        UA     100

8105        KK   S91FW
8106        KM   RETRIEVAL OF STREET CAPACITY DIVERSION
8107        KM   91ST
8108        DR   S91FW

8109        KK  R2121W
8110        KM   SUB-BASIN STREET ROUTE
8111        KM   WEST
8112        KM   RW= 150'
8113        KM   PAV= 105'
8114        RS       6    FLOW     -1.
8115        RC    0.02   0.016    0.02   5050.  0.0027
8116        RX       0     0.1    22.5    32.5   117.5   127.5    150.   150.1
8117        RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

8118        KK  C21-21
8119        KM   SUB-BASIN COMBINE
8120        HC       3  59.105

8121        KK  D2121S
8122        KM   SUB-BASIN DIVERSION
8123        KM   SUB-BASIN 21-21
8124        KM   53% West & 47% South
8125        DT  D2121W
8126        DI       0  10000.
8127        DQ       0   5300.
1                                          HEC-1 INPUT                                                    PAGE181

LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10
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8128          KK   CIS8
8129          KM   EAST/WEST STREET COMBINE
8130          HC       2  59.105

8131          KK   SIS8W
8132          KM   STREET CAPACITY DIVERSION
8133          KM   INDIAN SCHOOL
8134          KM   DIVERSION TO SOUTH
8135          DT   SIS8S
8136          DI       0     33.     56.    906.   1552.
8137          DQ       0     0.1     15.    353.    609.

8138          KK   RIS14
8139          KM   STREET ROUTE
8140          KM   WEST
8141          KM   INDIAN SCHOOL
8142          RS       3    FLOW     -1.
8143          RC    0.02   0.016    0.02   2620.  0.00224
8144          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
8145          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

8146          KK   D99CB
8147          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
8148          KM   99TH & CAMELBACK
8149          DR   D99CB

8150          KK    R99F
8151          KM   STREET ROUTE
8152          KM   SOUTH
8153          KM   99TH Avenue
8154          RS       4    FLOW     -1.
8155          RC    0.02   0.016    0.02   2660.  0.0019
8156          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
8157          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

8158          KK  D2121W
8159          KM   RETRIEVAL OF SUB-BASIN DIVERSION
8160          KM   SUB-BASIN 21-21
8161          DR  D2121W

8162          KK    C99C
8163          KM   NORTH/SOUTH STREET COMBINE
8164          KM   99TH AVENUE
8165          HC       2  59.105

8166          KK   S99CS
8167          KM   STREET CAPACITY DIVERSION
8168          KM   99TH
8169          KM   DIVERSION TO WEST
8170          DT   S99CW
8171          DI       0     26.     48.    797.   1367.
8172          DQ       0     0.1     15.    353.    609.
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

8173          KK    R99G
8174          KM   STREET ROUTE
8175          KM   SOUTH
8176          KM   99TH Avenue
8177          RS       4    FLOW     -1.
8178          RC    0.02   0.016    0.02   2680.  0.0019
8179          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
8180          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
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8181          KK   CIS99
8182          KM   INTERSECTION COMBINE
8183          KM   INDIAN SCHOOL & 99TH
8184          HC       2  59.105

8185          KK   DIS99
8186          KM   STREET INTERSECTION DIVERSION
8187          KM   INDIAN SCHOOL & 99TH
8188          KM   78% West & 22% South
8189          DT   D99IS
8190          DI       0  10000.
8191          DQ       0   2200.

8192          KK   RIS15
8193          KM   STREET ROUTE
8194          KM   WEST
8195          KM   INDIAN SCHOOL
8196          RS       3    FLOW     -1.
8197          RC    0.02   0.016    0.02   2640.  0.0024
8198          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
8199          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

8200          KK   SCB8S
8201          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
8202          KM   CAMELBACK
8203          DR   SCB8S

8204          KK  R2021S
8205          KM   SUB-BASIN STREET ROUTE
8206          KM   SOUTH
8207          KM   RW= 120'
8208          KM   PAV= 78'
8209          RS       7    FLOW     -1.
8210          RC    0.02   0.016    0.02   5800.  0.0021
8211          RX       0     0.1    21.0    31.0    89.0    99.0    120.   120.1
8212          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

8213          KK   20-21
8214          KM   SUB-BASIN 20-21
8215          KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
8216          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .994
8217          KM     L = 1.59  Kb = .070  Adj. Slope =    9.0
8218          BA   1.022
8219          LG    .270    .170   8.000    .110  24.000
8220          UC   1.500    .831
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

8221          UA       0       5      16      30      65      77      84      90      94      97
8222          UA     100

8223          KK   RET20
8224          KM   RETENTION BASIN DIVERSION
8225          KM   SUB-BASIN 20-21
8226          KM   66% OF SUB-BASIN DRAINS TO RETENTION BASIN
8227          DT  D2021R   30.53
8228          DI       0  10000.
8229          DQ       0   6600.

8230          KK   S99CW
8231          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
8232          KM   99TH
8233          DR   S99CW
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8234          KK  R2021W
8235          KM   SUB-BASIN STREET ROUTE
8236          KM   WEST
8237          KM   RW= 120'
8238          KM   PAV= 78'
8239          RS       8    FLOW     -1.
8240          RC    0.02   0.016    0.02   6000.  0.0020
8241          RX       0     0.1    21.0    31.0    89.0    99.0    120.   120.1
8242          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

8243          KK  C20-21
8244          KM   SUB-BASIN COMBINE
8245          HC       3  60.827

8246          KK  D2021S
8247          KM   SUB-BASIN DIVERSION
8248          KM   SUB-BASIN 20-21
8249          KM   27% West & 73% South
8250          DT  D2021W
8251          DI       0  10000.
8252          DQ       0   2700.

8253          KK    CIS9
8254          KM   EAST/WEST STREET COMBINE
8255          HC       2  60.827

8256          KK   SIS9W
8257          KM   STREET CAPACITY DIVERSION
8258          KM   INDIAN SCHOOL
8259          KM   DIVERSION TO SOUTH
8260          DT   SIS9S
8261          DI       0     28.     42.    642.   1099.
8262          DQ       0     0.1      8.    177.    305.
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

8263          KK   RIS16
8264          KM   STREET ROUTE
8265          KM   WEST
8266          KM   INDIAN SCHOOL
8267          RS       4    FLOW     -1.
8268          RC    0.02   0.016    0.02   2800.  0.0018
8269          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
8270          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

8271          KK  D107CB
8272          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
8273          KM   107TH & CAMELBACK
8274          DR  D107CB

8275          KK   R107A
8276          KM   STREET ROUTE
8277          KM   SOUTH
8278          KM   107TH Avenue
8279          RS       3    FLOW     -1.
8280          RC    0.02   0.016    0.02   2660.  0.0033
8281          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
8282          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

8283          KK  D2021W
8284          KM   RETRIEVAL OF SUB-BASIN DIVERSION
8285          KM   SUB-BASIN 20-21
8286          DR  D2021W
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8287          KK   C107A
8288          KM   NORTH/SOUTH STREET COMBINE
8289          KM   107TH AVENUE
8290          HC       2  60.827

8291          KK  S107AS
8292          KM   STREET CAPACITY DIVERSION
8293          KM   107TH
8294          KM   DIVERSION TO WEST
8295          DT  S107AW
8296          DI       0     31.     56.    917.   1572.
8297          DQ       0     0.1     17.    388.    670.

8298          KK   R107B
8299          KM   STREET ROUTE
8300          KM   SOUTH
8301          KM   107TH Avenue
8302          RS       3    FLOW     -1.
8303          RC    0.02   0.016    0.02   2640.  0.0020
8304          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
8305          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
1                                                HEC-1 INPUT                                                    PAGE185

LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


8306          KK  CIS107
8307          KM   INTERSECTION COMBINE
8308          KM   INDIAN SCHOOL & 107TH
8309          HC       2  60.827

8310          KK  DIS107
8311          KM   STREET INTERSECTION DIVERSION
8312          KM   INDIAN SCHOOL & 107TH
8313          KM   33% West & 67% South
8314          DT  D107IS
8315          DI       0  10000.
8316          DQ       0   6700.

8317          KK   RIS17
8318          KM   STREET ROUTE
8319          KM   WEST
8320          KM   INDIAN SCHOOL
8321          RS       4    FLOW     -1.
8322          RC    0.02   0.016    0.02   2560.  0.0014
8323          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
8324          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

8325          KK   19-21
8326          KM   SUB-BASIN 19-21
8327          KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
8328          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .995
8329          KM     L = 1.33  Kb = .070  Adj. Slope =   26.0
8330          BA    .872
8331          LG    .390    .260   5.100    .360  10.000
8332          UC   1.204    .618
8333          UA       0       5      16      30      65      77      84      90      94      97
8334          UA     100

8335          KK  S107AW
8336          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
8337          KM   107TH
8338          DR  S107AW

8339          KK  R1921W
8340          KM   SUB-BASIN STREET ROUTE
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8341          KM   WEST
8342          KM   RW= 120'
8343          KM   PAV= 78'
8344          RS       2    FLOW     -1.
8345          RC    0.02   0.016    0.02   2640.  0.0039
8346          RX       0     0.1    21.0    31.0    89.0    99.0    120.   120.1
8347          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

8348          KK  C19-21
8349          KM   SUB-BASIN COMBINE
8350          HC       2  61.700
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

8351          KK  D1921S
8352          KM   SUB-BASIN DIVERSION
8353          KM   SUB-BASIN 19-21
8354          KM   72% West & 28% South
8355          DT  D1921W
8356          DI       0  10000.
8357          DQ       0   7200.

8358          KK   CIS10
8359          KM   EAST/WEST STREET COMBINE
8360          HC       2  61.700

8361          KK   RIS18
8362          KM   STREET ROUTE
8363          KM   WEST
8364          KM   INDIAN SCHOOL
8365          RS       4    FLOW     -1.
8366          RC    0.02   0.016    0.02   2500.  0.0011
8367          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
8368          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

8369          KK  D1921W
8370          KM   RETRIEVE SUB-BASIN DIVERSION
8371          DR  D1921W

8372          KK   NULL7
8373          KM   NULL COMBINE: NULL6 + RIS18 + D1921W
8374          HC       3     1.
              *
              *
              * THOMAS ROAD COMPUTATION PATH NORTH OF GRAND CANAL
              *

8375          KK   D35IS
8376          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
8377          KM   35TH & INDIAN SCHOOL
8378          DR   D35IS

8379          KK   RGR8
8380          KM   STREET ROUTE
8381          KM   EAST
8382          KM   GRAND AVENUE
8383          KM   RW= 93'
8384          KM   PAV= 88'
8385          RS       7    FLOW     -1.
8386          RC    0.02   0.016    0.02   4000.  0.0012
8387          RX       0     0.1     2.5    12.5    80.5    90.5     93.    93.1
8388          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0
```

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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

8389          KK   D27IS
8390          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
8391          KM   27TH & INDIAN SCHOOL
8392          DR   D27IS

8393          KK   R27F
8394          KM   STREET ROUTE
8395          KM   SOUTH
8396          KM   27TH Avenue
8397          RS       2    FLOW     -1.
8398          RC    0.02   0.016    0.02   1740.  0.0027
8399          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
8400          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

8401          KK  26-22N
8402          KM   SUB-BASIN 26-22N
8403          KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
8404          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .998
8405          KM     L =  .57  Kb = .030  Adj. Slope =   15.0
8406          BA    .380
8407          LG    .150    .240   5.100    .340  58.000
8408          UC    .383    .141
8409          UA       0       5      16      30      65      77      84      90      94      97
8410          UA     100

8411          KK  SD31CS
8412          KM   RETRIEVAL OF STORM DRAIN DIVERSION
8413          KM   EXISTING STORM DRAIN ALONG 31ST AVENUE
8414          KM   CAP= 251 CFS SOUTH
8415          DR  SD31CS

8416          KK  C2622N
8417          KM   SUB-BASIN COMBINE
8418          KM   THIS COMBINE INCLUDES THE FLOW IN THE 27TH & 31ST AVENUE STORM DRAINS
8419          HC       4  16.649

8420          KK  SD31D
8421          KM   STORM DRAIN DIVERSION
8422          KM   STORM DRAIN ALONG HALF MILE STREET
8423          KM   EXISTING STORM DRAIN ALONG 31ST AVENUE
8424          KM   DIVERT IS TO THE SOUTH
8425          KM   CAP= 251 CFS SOUTH
8426          DT  SD31DS
8427          DI       0    251.  10251.
8428          DQ       0    251.    251.

8429          KK  RES26T
8430          KM   PONDING AREA RESERVOIR ROUTE
8431          KM   PONDING AREA NORTH OF GRAND CANAL
8432          KM   FLOW IN 27TH AVENUE STORM DRAIN INCLUDED IN RATING CURVE FOR PONDING AREA
8433          KM   CAPACITY OF 31ST AVENUE STORM DRAIN HAS ALREADY BEEN DIVERTED TO SOUTH
8434          KM   SUB-BASIN 26-22N
8435          RS       1    ELEV   1011.
8436          SV     0.0     0.1    2.35    9.38    33.9
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

8437          SE   1011.   1012.  1012.5   1013.   1014.
8438          SQ    160.    160.    640.   1780.  10096.

8439          KK    D26W
8440          KM   FLOW DIVERSION
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8441          KM   SUB-BASIN 26-22N
8442          KM   0% West & 100% South
8443          KM   THIS DIVERT PASSES ALL FLOW TO THE SOUTH VIA THE DIVERT
8444          KM   WHILE THE MAIN COMPUTATIONAL PATH REMAINS OPEN (WITH 0 FLOW)
8445          KM   TO THE WEST, TO BE COMBINED AT C2722N.
8446          DT    D26S
8447          DI       0  10000.
8448          DQ       0  10000.

8449          KK  SIS1AS
8450          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
8451          KM   35TH & INDIAN SCHOOL
8452          DR  SIS1AS

8453          KK  SD35DW
8454          KM   SPECIAL STREET CAPACITY DIVERSION
8455          KM   35TH AVENUE
8456          KM   DIVERSION TO SOUTH
8457          KM   EXISTING STORM DRAIN ALONG 35TH AVENUE
8458          KM   CAP=  75 CFS SOUTH
8459          DT  SD35DS
8460          DI       0     75.  10000.
8461          DQ       0     75.     75.

8462          KK  R2722W
8463          KM   SUB-BASIN STREET ROUTE
8464          KM   WEST
8465          KM   RW= 50'
8466          KM   PAV= 35'
8467          RS       7    FLOW     -1.
8468          RC    0.02   0.016    0.02   4660.  0.0015
8469          RX       0     0.1     7.5    17.5    32.5    42.5     50.    50.1
8470          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

8471          KK   SIS1S
8472          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
8473          KM   INDIAN SCHOOL
8474          DR   SIS1S

8475          KK  R2722S
8476          KM   SUB-BASIN STREET ROUTE
8477          KM   SOUTH
8478          KM   RW= 170'
8479          KM   PAV= 113'
8480          RS       3    FLOW     -1.
8481          RC    0.02   0.016    0.02   3060.  0.0029
8482          RX       0     0.1    28.5    38.5   131.5   141.5    170.   170.1
8483          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

8484          KK  27-22N
8485          KM   SUB-BASIN 27-22N
8486          KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
8487          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .998
8488          KM     L = 1.15  Kb = .025  Adj. Slope =   10.0
8489          BA    .372
8490          LG    .120    .250   6.000    .240  71.000
8491          UC    .621    .428
8492          UA       0       5      16      30      65      77      84      90      94      97
8493          UA     100

8494          KK  C2722N
8495          KM   SUB-BASIN COMBINE
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8496        KM   THIS COMBINES FLOWS FROM R2722S, 27-22N, R2722W, & D26W (WITH 0 FLOW)
8497        HC       4    16.4

8498        KK  D2722N
8499        KM   SUB-BASIN DIVERSION
8500        KM   SUB-BASIN 27-22N
8501        KM   19% West & 81% South
8502        KM   DIVERSION WEST
8503        KM   EXISTING STORM DRAIN ALONG 39TH AVENUE
8504        KM   CAP= 332 CFS SOUTH
8505        DT  D2722A
8506        DI       0    332.    532.    832.   1332.   2332.
8507        DQ       0     0.1     38.     95.    190.    380.

8508        KK     D39
8509        KM    FLOW DIVERSION AT 39TH AVE
8510        KM    FLOW DIVERSION DATA BASED ON
8511        KM    PRELIMINARY COMPUTATIONS BY WPA 6/96
8512        KM    CAPACITY OF SURFACE FLOW NORTH OF CANAL = 600 CFS
8513        KM    DIVERSION OF FLOW SOUTH UNDER THE GRAND CANAL
8514        KM    BY AN EXISTING STORM DRAIN SYSTEM
8515        KM    ESTIMATED STORM DRAIN CAPACITY (78") =286 CFS
8516        DT    D39S
8517        DI       0    286.    886.   1286.   2286.
8518        DQ       0    286.    286.    686.   1686.

8519        KK   D43IS
8520        KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
8521        KM   43RD & INDIAN SCHOOL
8522        DR   D43IS

8523        KK   R43K
8524        KM   STREET ROUTE
8525        KM   SOUTH
8526        KM   43RD Avenue
8527        RS       2    FLOW     -1.
8528        RC    0.02   0.016    0.02   2120.  0.0038
8529        RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
8530        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
1                                          HEC-1 INPUT                                    PAGE190

LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


8531        KK   S43GS
8532        KM   STREET CAPACITY DIVERSION
8533        KM   43RD AVENUE
8534        KM   SPECIAL CASE
8535        KM   DIVERSION TO WEST 50% OF SURFACE FLOW
8536        KM   EXISTING STORM DRAIN ALONG 43RD AVENUE
8537        KM   CAP=  89 CFS SOUTH
8538        DT   S43GW
8539        DI       0     89.  10089.
8540        DQ       0     0.1   5000.

8541        KK  D2722A
8542        KM   RETRIEVAL OF SUB-BASIN DIVERSION
8543        KM   SUB-BASIN 27-22N
8544        DR  D2722A

8545        KK  C2722A
8546        KM   SUB-BASIN COMBINE
8547        HC       3    16.4

8548        KK    PA43
8549        KM    STORAGE ROUTING
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8550        KM    PONDING AREA IN THE VICINITY OF 43RD AVE
8551        KM    PRELIMINARY COMPUTATIONS BY WPA 6/96
8552        KM    CAPACITY OF SURFACE FLOW NORTH OF CANAL = 200 CFS
8553        KM    DIVERSION OF FLOW UNDER THE GRAND CANAL BY AN EXISTING STORM DRAIN SYSTEM
8554        KM    ESTIMATED STORM DRAIN CAPACITY(63") = 89 CFS
8555        KM    TOP OF CANAL BANK ELEVATION = 1108
8556        RS       1    ELEV      -1   1104.
8557        SV       0    0.01      .1    .645    4.77    6.79   29.76     33.
8558        SE    1104  1104.1    1105    1106  1106.8    1107    1108   1109.
8559        SQ       0      89      89      89      89     289     289   2289.

8560        KK     D43
8561        KM    FLOW DIVERSION AT 43RD AVE
8562        KM    DIVERSION TO SOUTH
8563        KM    PRELIMINARY COMPUTATIONS BY WPA 6/96
8564        KM    CAPACITY OF SURFACE FLOW NORTH OF CANAL = 200 CFS
8565        KM    DIVERSION OF FLOW SOUTH UNDER THE GRAND CANAL BY EXIST. STORM DRAIN SYSTEM
8566        KM    ESTIMATED STORM DRAIN CAPACITY(63") = 89 CFS
8567        DT    D43S
8568        DI       0     89.    289.   2289.
8569        DQ       0     89.     89.   2089.

8570        KK  R2822W
8571        KM   SUB-BASIN STREET ROUTE
8572        KM   WEST
8573        KM   RW= 150'
8574        KM   PAV= 105'
8575        RS       5    FLOW     -1.
8576        RC    0.02   0.016    0.02   2640.  0.0008
8577        RX       0     0.1    22.5    32.5   117.5   127.5    150.   150.1
8578        RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0
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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

8579        KK   SIS2S
8580        KM   RETRIEVAL OF STREET CAPACITY DIVERSION
8581        KM   INDIAN SCHOOL
8582        DR   SIS2S

8583        KK  SIS2SA
8584        KM   RETRIEVAL OF STREET CAPACITY DIVERSION
8585        KM   RETRIEVE DIVERT JUST EAST OF SIS2
8586        KM   INDIAN SCHOOL
8587        DR  SIS2SA

8588        KK  C2822A
8589        KM   COMBINE
8590        HC       2    18.3

8591        KK  R2822S
8592        KM   SUB-BASIN STREET ROUTE
8593        KM   SOUTH
8594        KM   RW= 270'
8595        KM   PAV= 183'
8596        RS       2    FLOW     -1.
8597        RC    0.02   0.016    0.02   2250.  0.0046
8598        RX       0     0.1    43.5    53.5   216.5   226.5    270.   270.1
8599        RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

8600        KK  28-22N
8601        KM   SUB-BASIN 28-22N
8602        KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
8603        KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .997
8604        KM     L =  .71  Kb = .077  Adj. Slope =   14.0
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8605          BA    .452
8606          LG    .220     .240   5.100    .320  41.000
8607          UC    .946     .416
8608          UA      0        5      16      30      65      77      84      90      94      97
8609          UA    100

8610          KK   S43GW
8611          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
8612          KM   43RD AVENUE
8613          DR   S43GW

8614          KK  C2822N
8615          KM   SUB-BASIN COMBINE
8616          HC       3    18.3

8617          KK  D2822N
8618          KM   SUB-BASIN DIVERSION
8619          KM   SUB-BASIN 28-22N
8620          KM   74% WEST & 26% SOUTH
8621          KM   DIVERSION IS TO THE WEST
8622          KM   MAIN COMPUTATION PATH IS TO THE SOUTH
8623          DT  D2822A
8624          DI       0  10000.
8625          DQ       0   7400.
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

8626          KK  C2822D
8627          KM   SUB-BASIN COMBINE
8628          HC       2    18.3

8629          KK    PA47        STORAGE ROUTING AT 47TH AVE
8630          KM    PONDING AREA IN THE VICINITY OF 47TH AVE
8631          KM    PRELIMINARY COMPUTATIONS BY WPA 6/96
8632          KM    CAPACITY OF FLOW NORTH OF CANAL = 300 CFS+(STORM DRAIN CAP)105CFS PER CVL
8633          KM    DIVERSION OF FLOW OVER THE CANAL BANKS
8634          KM    TOP OF CANAL BANK ELEV = 1105
8635          RS       1    FLOW      -1
8636          SV       0    0.01    4.04    6.31   28.74
8637          SE    1104  1104.1  1104.8    1105    1106
8638          SQ       0     105     338     405    2405

8639          KK     D47
8640          KM    DIVERSION AT 47TH AVE
8641          KM    PRELIMINARY COMPUTATIONS BY WPA 6/96
8642          KM    AN EXISTING STORM DRAIN SYSTEM CONVEYS FLOW TO THE WEST ONLY
8643          KM    CAPACITY OF FLOW NORTH OF CANAL = 300 CFS+(STORM DRAIN CAP)105CFS PER CVL
8644          KM    DIVERSION OF FLOW OVER THE CANAL BANKS
8645          DT    D47S
8646          DI       0     405   2405.
8647          DQ       0     0.1   2000.

8648          KK   D51IS
8649          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
8650          KM   51ST & INDIAN SCHOOL
8651          DR   D51IS

8652          KK   R51M
8653          KM   STREET ROUTE
8654          KM   SOUTH
8655          KM   51ST Avenue
8656          RS       2    FLOW     -1.
8657          RC    0.02   0.016    0.02   2500.  0.0038
8658          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
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8659        RY    4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

8660        KK   S51HS
8661        KM   STREET CAPACITY DIVERSION
8662        KM   50/50 SPLIT
8663        KM   51ST
8664        KM   DIVERSION TO WEST
8665        KM   STORM DRAIN ALONG 51ST AVE
8666        KM   CAP= 207.0 CFS SOUTH
8667        DT   S51HW
8668        DI       0    207.  10207.
8669        DQ       0     0.1   5000.
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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

8670        KK  D2822A
8671        KM   RETRIEVAL OF SUB-BASIN DIVERSION
8672        KM   SUB-BASIN 28-22N
8673        DR  D2822A

8674        KK  C2822B
8675        KM   SUB-BASIN COMBINE
8676        HC       3    18.3

8677        KK    PA51        STORAGE ROUTING
8678        KM    PONDING AREA IN THE VICINITY OF 51ST AVE
8679        KM    PRELIMINARY COMPUTATIONS BY WPA 6/96
8680        KM    CAPACITY OF SURFACE FLOW NORTH OF CANAL =  50 CFS
8681        KM    DIVERSION OF FLOW UNDER THE GRAND CANAL BY AN EXISTING STORM DRAIN SYSTEM
8682        KM    ESTIMATED STORM DRAIN CAPACITY(72") =281 CFS
8683        KM    TOP OF CANAL BANK ELEV = 1105.5
8684        RS       1    FLOW      -1
8685        SV       0    0.01    4.81   23.30    40.5   57.73
8686        SE    1103  1103.1    1104    1105  1105.5    1106
8687        SQ       0     281     306     331    331.   2231.

8688        KK     D51
8689        KM    D51S-51ST AVE. STORM DRAIN DIVERSION TO THE SOUTH
8690        KM    PONDING AREA IN THE VICINITY OF 51ST AVE
8691        KM    PRELIMINARY COMPUTATIONS BY WPA 6/96
8692        KM    CAPACITY OF SURFACE FLOW NORTH OF CANAL =  50 CFS
8693        KM    DIVERSION OF FLOW UNDER THE GRAND CANAL BY AN EXISTING STORM DRAIN SYSTEM
8694        KM    ESTIMATED STORM DRAIN CAPACITY(72") =281 CFS
8695        KM    TOP OF CANAL BANK ELEV = 1105.5
8696        DT    D51S
8697        DI       0     281    2231
8698        DQ       0     281    2181

8699        KK   SIS3S
8700        KM   RETRIEVAL OF STREET CAPACITY DIVERSION
8701        KM   INDIAN SCHOOL
8702        DR   SIS3S

8703        KK  R2922S
8704        KM   SUB-BASIN STREET ROUTE
8705        KM   SOUTH
8706        KM   RW= 270'
8707        KM   PAV= 183'
8708        RS       2    FLOW     -1.
8709        RC    0.02   0.016    0.02   2040.  0.0043
8710        RX       0     0.1    43.5    53.5   216.5   226.5    270.   270.1
8711        RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

8712        KK  29-22N
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1C/14PRINT

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8713          KM   SUB-BASIN 29-22N
8714          KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
8715          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .998
8716          KM     L =  .65  Kb = .058  Adj. Slope =   17.0
8717          BA    .414
1                                        HEC-1 INPUT                                          PAGE194

LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

8718          LG    .210    .280   6.200    .180  30.000
8719          UC    .633    .261
8720          UA       0       5      16      30      65      77      84      90      94      97
8721          UA     100

8722          KK  C2922N
8723          KM   SUB-BASIN COMBINE
8724          HC       2    24.9

8725          KK  D2922N
8726          KM   SUB-BASIN DIVERSION
8727          KM   SUB-BASIN 29-22N
8728          KM   54% WEST & 46% SOUTH
8729          KM   DIVERSION IS TO THE WEST
8730          KM   MAIN COMPUTATION PATH IS TO THE SOUTH
8731          DT  D2922A
8732          DI       0  10000.
8733          DQ       0   5400.

8734          KK   S51HW
8735          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
8736          KM   51ST AVENUE
8737          DR   S51HW

8738          KK  C2922B
8739          KM   SUB-BASIN COMBINE
8740          HC       3    25.8

8741          KK    PA55        STORAGE ROUTING
8742          KM    PONDING AREA IN THE VICINITY OF 55TH AVE
8743          KM    PRELIMINARY COMPUTATIONS BY WPA 6/96
8744          KM    CAPACITY OF SURFACE FLOW NORTH OF CANAL =  50 CFS
8745          KM    AN EXISTING STORM DRAIN SYSTEM CONVEYS FLOW TO THE WEST ONLY
8746          KM    DIVERSION OF FLOW OVER THE GRAND CANAL
8747          KM    STORM DRAIN CAPACITY WEST = 74 CFS PER CVL
8748          KM    TOP OF CANAL BANK ELEV = 1103
8749          RS       1    FLOW      -1
8750          SV       0    0.01     .04     .08    5.56   12.08   20.80    22.9
8751          SE    1100  1100.1  1100.7    1101    1102  1102.5    1103   1104.
8752          SQ       0      74      87      93     114     124     124    629.

8753          KK     D55
8754          KM    FLOW DIVERSION TO SOUTH
8755          KM    PRELIMINARY COMPUTATIONS BY WPA 6/96
8756          KM    CAPACITY OF SURFACE FLOW NORTH OF CANAL =  50 CFS
8757          KM    AN EXISTING STORM DRAIN SYSTEM CONVEYS FLOW TO THE WEST ONLY
8758          KM    DIVERSION OF FLOW OVER THE GRAND CANAL
8759          KM    STORM DRAIN CAPACITY WEST = 74 CFS PER CVL
8760          KM    TOP OF CANAL BANK ELEV = 1103
8761          DT    D55S
8762          DI       0      74    124.    629.
8763          DQ       0     0.1     0.2    505.
1                                        HEC-1 INPUT                                          PAGE195

LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10
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8764        KK   D59IS
8765        KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
8766        KM   59TH & INDIAN SCHOOL
8767        DR   D59IS

8768        KK   S59HS
8769        KM   STREET CAPACITY DIVERSION
8770        KM   59TH AVENUE
8771        KM   DIVERSION TO WEST
8772        KM   50/50 SPLIT
8773        KM   STORM DRAIN ALONG 59TH AVE
8774        KM   CAP= 359.0 CFS SOUTH
8775        DT   S59HW
8776        DI       0    359.  10359.
8777        DQ       0     0.1   5000.

8778        KK  D2922A
8779        KM   RETRIEVAL OF SUB-BASIN DIVERSION
8780        KM   SUB-BASIN 29-22N
8781        DR  D2922A

8782        KK  C2922A
8783        KM   COMBINE
8784        HC       3    25.8

8785        KK    PA59        STORAGE ROUTING
8786        KM    PONDING AREA IN THE VICINITY OF 43RD AVE
8787        KM    DATA BASED ON HEC-1 BY CVL(4/96) FOR FCD 93-34
8788        KM    DIVERSION OF FLOW UNDER THE GRAND CANAL BY AN EXISTING STORM DRAIN SYSTEM
8789        KM    ESTIMATED STORM DRAIN CAPACITY(72") = 220 CFS
8790        KM    SEE CVL COMPUTATION SHEETS IN APPENDIX
8791        RS       1    FLOW      -1
8792        SV       0    0.01    2.31    9.93   15.88   46.45
8793        SE    1099  1099.1    1100  1100.8    1101    1102
8794        SQ       0     220     220     267     378    2689

8795        KK     D59        FLOW DIVERSION
8796        KM    PONDING AREA IN THE VICINITY OF 59TH AVE
8797        KM    DATA BASED ON HEC-1 BY CVL(4/96) FOR FCD 93-34
8798        KM    FLOW OVER GRAND CANAL BANKS
8799        KM    DIVERT IS TO THE SOUTH
8800        DT    D59S
8801        DI       0     272     378    2689
8802        DQ       0     272     272    1030

8803        KK   SIS4S
8804        KM   RETRIEVAL OF STREET CAPACITY DIVERSION
8805        KM   INDIAN SCHOOL
8806        DR   SIS4S
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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


8807        KK  R3022S
8808        KM   SUB-BASIN STREET ROUTE
8809        KM   SOUTH
8810        KM   RW= 100'
8811        KM   PAV= 70'
8812        RS       2    FLOW     -1.
8813        RC    0.02   0.016    0.02   2250.  0.0037
8814        RX       0     0.1    15.0    25.0    75.0    85.0    100.   100.1
8815        RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

8816        KK  30-22N
8817        KM   SUB-BASIN 30-22N
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8818        KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
8819        KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .999
8820        KM     L =  .82  Kb = .092  Adj. Slope =   14.0
8821        BA    .162
8822        LG    .230    .150   7.000    .150  34.000
8823        UC   1.142   1.032
8824        UA       0       5      16      30      65      77      84      90      94      97
8825        UA     100

8826        KK   S59HW
8827        KM   RETRIEVAL OF STREET CAPACITY DIVERSION
8828        KM   59TH
8829        DR   S59HW

8830        KK  C3022N
8831        KM   SUB-BASIN COMBINE
8832        HC       4    34.1

8833        KK    PA63        STORAGE ROUTING AT 63RD AVE
8834        KM    PONDING AREA IN THE VICINITY OF 63RD AVE
8835        KM    DATA BASED ON HEC-1 BY CVL(4/96) FOR FCD 93-34
8836        KM    DIVERSION OF FLOW UNDER THE GRAND CANAL BY AN EXISTING STORM DRAIN SYSTEM
8837        KM    AND/OR OVER THE GRAND CANAL BANKS
8838        KM    ESTIMATED STORM DRAIN CAPACITY(42") = 52 CFS
8839        KM    SEE CVL COMPUTATION SHEETS IN APPENDIX
8840        RS       1    FLOW      -1
8841        SV       0    0.30    1.27    3.89   10.16   34.71
8842        SE    1096  1097.0  1097.2  1097.5    1098    1099
8843        SQ       0      52    52.1    52.2     219    3220

8844        KK     D63
8845        KM    100% FLOW DIVERTED SOUTH
8846        KM    COMPUTATION PATH WEST ALONG NORTH SIDE OF GRAND CANAL IS TERMINATED
8847        KM    COMPUTATION PATH TO WEST IS COLLECTED @ THOMAS & 67 INTERSECTION COMBINE
8848        DT    D63S
8849        DI      0.  10000.
8850        DQ      0.  10000.
            *
            *  MAIN THOMAS ROAD (SOUTH OF GRAND CANAL) COMPUTATIONAL PATH
            *
1                                        HEC-1 INPUT                                        PAGE197

LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


8851        KK    D26S
8852        KM   RETRIEVE FLOW FROM DIVERT D26W, FROM RES26T
8853        KM   SUB-BASIN 26-22E
8854        DR    D26S

8855        KK  R2622S
8856        KM   SUB-BASIN STREET ROUTE
8857        KM   SOUTH
8858        KM   RW= 150'
8859        KM   PAV= 105'
8860        RS       3    FLOW     -1.
8861        RC    0.02   0.016    0.02   3710.  0.0042
8862        RX       0     0.1    22.5    32.5   117.5   127.5    150.   150.1
8863        RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

8864        KK  26-22E
8865        KM   SUB-BASIN 26-22E
8866        KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
8867        KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .998
8868        KM     L =  .84  Kb = .040  Adj. Slope =   19.0
8869        BA    .384
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8870        LG    .160    .150   8.400    .090  53.000
8871        UC    .521    .269
8872        UA       0       5      16      30      65      77      84      90      94      97
8873        UA     100

8874        KK  C2622E
8875        KM   SUB-BASIN COMBINE
8876        HC       2  12.141

8877        KK  RES26E
8878        KM   PONDING AREA RESERVOIR ROUTE
8879        KM   PONDING AREA NORTHEAST OF GRAND AVENUE/RR EMBANKMENT
8880        KM   SUB-BASIN 26-22E
8881        RS       1    FLOW      0.
8882        SV       0     0.1   13.20   45.92   91.09  149.48
8883        SE   1095.   1096.   1097.   1098.   1099.   1100.
8884        SQ      0.    160.    160     376.   1056.   6078.

8885        KK   DTR27
8886        KM   DIVERSION IN SUB-BASIN 26-22E
8887        KM   0% West & 100% South
8888        KM   THIS DIVERT IS TO MAINTAIN THE COMPUTATION PATH TO THE WEST
8889        KM   MAIN PATH CONTINUES TO THE WEST TO C2622S
8890        KM   DIVERSION SOUTH
8891        KM   STORM DRAIN ALONG 27TH AVE
8892        KM   CAP= 160.0 CFS SOUTH
8893        KM   STORM DRAIN ALONG THOMAS RD.
8894        KM   CAP=  33.0 CFS WEST
8895        DT   D27TR
8896        DI       0    193.  10193.
8897        DQ       0    160.  10160.
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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

8898        KK  26-22S
8899        KM   SUB-BASIN 26-22S
8900        KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
8901        KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .998
8902        KM     L =  .48  Kb = .026  Adj. Slope =   22.0
8903        BA    .393
8904        LG    .150    .150   8.000    .110  56.000
8905        UC    .262    .079
8906        UA       0       5      16      30      65      77      84      90      94      97
8907        UA     100

8908        KK  D2622S
8909        KM   SUB-BASIN DIVERSION
8910        KM   SUB-BASIN 26-22S
8911        KM   24% West & 76% South
8912        DT  D2622W
8913        DI       0  10000.
8914        DQ       0   2400.

8915        KK  SD31DS
8916        KM   RETRIEVAL OF STORM DRAIN DIVERSION ALONG 31ST AVENUE
8917        DR  SD31DS

8918        KK  C2622S
8919        KM   SUB-BASIN COMBINE
8920        KM   COMBINES FLOW FROM D26W, SD31DS, & D2622Q
8921        HC       3   0.392

8922        KK   STR1W
8923        KM   STREET CAPACITY DIVERSION
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8924          KM   THOMAS
8925          KM   DIVERSION TO SOUTH
8926          KM   STORM DRAIN ALONG THOMAS ROAD
8927          KM   CAP=   8.0 CFS WEST
8928          KM   STORM DRAIN ALONG 31ST AVE.
8929          KM   CAP= 237.0 CFS SOUTH
8930          DT   STR1S
8931          DI       0    259.    295.   1223.   1928.
8932          DQ       0    237.    269.    978.   1516.

8933          KK    RTR1
8934          KM   STREET ROUTE
8935          KM   WEST
8936          KM   THOMAS
8937          RS       6    FLOW     -1.
8938          RC    0.02   0.016    0.02   2640.  0.0006
8939          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
8940          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
1                                          HEC-1 INPUT                                                    PAGE199

LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


8941          KK  SD35DS
8942          KM   RETRIEVAL OF STORM DRAIN DIVERSION ALONG 35TH AVENUE
8943          DR  SD35DS

8944          KK  26-22W
8945          KM   SUB-BASIN 26-22W
8946          KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
8947          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF 1.000
8948          KM     L =  .43  Kb = .029  Adj. Slope =   13.0
8949          BA    .079
8950          LG    .140    .240   4.300    .530  57.000
8951          UC    .338    .240
8952          UA       0       5      16      30      65      77      84      90      94      97
8953          UA     100

8954          KK  D2622W
8955          KM   RETRIEVAL OF SUB-BASIN DIVERSION
8956          KM   SUB-BASIN 26-22S
8957          DR  D2622W

8958          KK    C35E
8959          KM   NORTH/SOUTH STREET COMBINE
8960          KM   35TH AVENUE
8961          HC       3   0.471

8962          KK   S35DS
8963          KM   STREET CAPACITY DIVERSION
8964          KM   35TH AVENUE
8965          KM   DIVERSION TO WEST
8966          KM   STORM DRAIN ALONG 35TH AVE
8967          KM   CAP=  63.0 CFS SOUTH
8968          DT   S35DW
8969          DI       0    103.    138.   1306.   2194.
8970          DQ       0     0.1     24.    565.    975.

8971          KK    R35J
8972          KM   STREET ROUTE
8973          KM   SOUTH
8974          KM   35TH Avenue
8975          RS       2    FLOW     -1.
8976          RC    0.02   0.016    0.02   2640.  0.0049
8977          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
8978          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
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8979          KK   CTR35
8980          KM   INTERSECTION COMBINE
8981          KM   THOMAS & 35TH
8982          HC       2   0.471
1                                          HEC-1 INPUT                                                PAGE200

LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


8983          KK   DTR35
8984          KM   STREET INTERSECTION DIVERSION
8985          KM   THOMAS & 35TH
8986          KM   22% West & 78% South
8987          KM   DIVERSION SOUTH
8988          KM   STORM DRAIN ALONG 35TH AVE
8989          KM   CAP=  63.0 CFS SOUTH
8990          KM   STORM DRAIN ALONG THOMAS RD.
8991          KM   CAP=  20.0 CFS WEST
8992          DT   D35TR
8993          DI       0     83.  10083.
8994          DQ       0     63.   7863.

8995          KK    RTR2
8996          KM   STREET ROUTE
8997          KM   WEST
8998          KM   THOMAS
8999          RS       6    FLOW     -1.
9000          RC    0.02   0.016    0.02   2640.  0.0006
9001          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
9002          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

9003          KK    D39S
9004          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
9005          KM   39TH AVENUE AT GRAND CANAL
9006          DR    D39S

9007          KK  R2722A
9008          KM   SUB-BASIN STREET ROUTE
9009          KM   SOUTH
9010          KM   RW= 220'
9011          KM   PAV= 148'
9012          RS       3    FLOW     -1.
9013          RC    0.02   0.016    0.02   3550.  0.0040
9014          RX       0     0.1    36.0    46.0   174.0   184.0    220.   220.1
9015          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

9016          KK  27-22S
9017          KM   SUB-BASIN 27-22S
9018          KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
9019          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .996
9020          KM     L =  .94  Kb = .072  Adj. Slope =   14.0
9021          BA    .631
9022          LG    .220    .150   8.800    .070  39.000
9023          UC   1.013    .464
9024          UA       0       5      16      30      65      77      84      90      94      97
9025          UA     100

9026          KK   S35DW
9027          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
9028          KM   35TH AVENUE
9029          DR   S35DW
1                                          HEC-1 INPUT                                                PAGE201

LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10
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9030          KK  R2722B
9031          KM   SUB-BASIN STREET ROUTE
9032          KM   WEST
9033          KM   RW= 120'
9034          KM   PAV= 78'
9035          RS      10    FLOW     -1.
9036          RC    0.02   0.016    0.02   5300.  0.0009
9037          RX       0     0.1    21.0    31.0    89.0    99.0    120.   120.1
9038          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

9039          KK  C2722S
9040          KM   SUB-BASIN COMBINE
9041          HC       3  12.139

9042          KK  D2722S
9043          KM   SUB-BASIN DIVERSION
9044          KM   SUB-BASIN 27-22S
9045          KM   8% West & 92% South
9046          KM   DIVERSION WEST
9047          KM   STORM DRAIN ALONG 39TH AVE
9048          KM   CAP= 286.0 CFS SOUTH
9049          DT  D2722W
9050          DI       0    286.    486.    786.   1286.   2286.
9051          DQ       0     0.1     16.     40.     80.    160.

9052          KK    CTR1
9053          KM   EAST/WEST STREET COMBINE
9054          HC       2  12.139

9055          KK   STR2W
9056          KM   STREET CAPACITY DIVERSION
9057          KM   THOMAS
9058          KM   DIVERSION TO SOUTH
9059          KM   STORM DRAIN ALONG 39TH AVE.
9060          KM   CAP= 286.0 CFS SOUTH
9061          DT   STR2S
9062          DI       0    286.    298.    332.   1221.   1895.
9063          DQ       0    286.    286.    318.   1027.   1565.

9064          KK    RTR3
9065          KM   STREET ROUTE
9066          KM   WEST
9067          KM   THOMAS
9068          RS      16    FLOW     -1.
9069          RC    0.02   0.016    0.02   2660.  0.0001
9070          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
9071          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

9072          KK    D43S
9073          KM   RETRIEVAL OF DIVERSION D43
9074          KM   43RD & GRAND CANAL
9075          DR    D43S
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

9076          KK  D2722W
9077          KM   RETRIEVAL OF SUB-BASIN DIVERSION
9078          KM   SUB-BASIN 27-22W
9079          DR  D2722W

9080          KK    C43F
9081          KM   NORTH/SOUTH STREET COMBINE
9082          KM   43RD AVENUE
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9083        HC      2  12.139

9084        KK   S43HS
9085        KM   STREET CAPACITY DIVERSION
9086        KM   43RD AVENUE
9087        KM   DIVERSION TO WEST
9088        KM   STORM DRAIN ALONG 43RD AVE
9089        KM   CAP=  89.0 CFS SOUTH
9090        DT   S43HW
9091        DI      0    131.    212.   2426.   4108.
9092        DQ      0     0.1     70.   1624.   2802.

9093        KK    R43M
9094        KM   STREET ROUTE
9095        KM   SOUTH
9096        KM   43RD Avenue
9097        RS      2    FLOW     -1.
9098        RC   0.02   0.016    0.02   2640.  0.0039
9099        RX   44.9     45.     66.    66.1    134.   134.1    155.   155.1
9100        RY    4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

9101        KK   CTR43
9102        KM   INTERSECTION COMBINE
9103        KM   THOMAS & 43RD
9104        HC      2  12.139

9105        KK   DTR43
9106        KM   STREET INTERSECTION DIVERSION
9107        KM   THOMAS & 43RD
9108        KM   19% West & 81% South
9109        KM   DIVERSION SOUTH
9110        KM   STORM DRAIN ALONG 43RD AVE
9111        KM   CAP= 262.0 CFS SOUTH
9112        DT   D43TR
9113        DI      0    262.  10262.
9114        DQ      0    262.   8362.

9115        KK    D51S
9116        KM   RETRIEVAL OF PONDING AREA DIVERSION
9117        KM   51ST @ GRAND CANAL
9118        DR    D51S
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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

9119        KK    D47S
9120        KM   RETRIEVAL OF PONDING AREA DIVERSION
9121        KM   47TH @ GRAND CANAL
9122        DR    D47S

9123        KK  C2822C
9124        KM   SUB-BASIN COMBINE
9125        HC      2  18.316

9126        KK  R2822A
9127        KM   SUB-BASIN STREET ROUTE
9128        KM   EAST
9129        KM   RW= 220'
9130        KM   PAV= 148'
9131        RS      3    FLOW     -1.
9132        RC   0.02   0.016    0.02   2760.  0.0030
9133        RX      0     0.1    36.0    46.0   174.0   184.0    220.   220.1
9134        RY    4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

9135        KK  28-22S
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1C/14PRINT

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9136          KM   SUB-BASIN 28-22S
9137          KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
9138          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .997
9139          KM     L =  .69  Kb = .083  Adj. Slope =   15.0
9140          BA    .543
9141          LG    .240    .190   6.600    .180  33.000
9142          UC    .917    .354
9143          UA       0       5      16      30      65      77      84      90      94      97
9144          UA     100

9145          KK  C2822S
9146          KM   SUB-BASIN COMBINE
9147          HC       2  18.859

9148          KK  D2822S
9149          KM   SUB-BASIN DIVERSION
9150          KM   SUB-BASIN 28-22S
9151          KM   2% West & 98% South
9152          DT  D2822W
9153          DI       0  10000.
9154          DQ       0    200.

9155          KK   S43HW
9156          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
9157          KM   43RD AVENUE
9158          DR   S43HW

9159          KK  R2822B
9160          KM   SUB-BASIN STREET ROUTE
9161          KM   WEST
9162          KM   RW= 220'
9163          KM   PAV= 148'
9164          RS      10    FLOW     -1.
9165          RC    0.02   0.016    0.02   7290.  0.0017
1                                          HEC-1 INPUT                                          PAGE204

LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

9166          RX       0     0.1    36.0    46.0   174.0   184.0    220.   220.1
9167          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

9168          KK    CTR2
9169          KM   EAST/WEST STREET COMBINE
9170          HC       3  19.961

9171          KK   STR3W
9172          KM   STREET CAPACITY DIVERSION 50/50 SPLIT
9173          KM   THOMAS
9174          KM   DIVERSION TO SOUTH
9175          DT   STR3S
9176          DI       0    100.   1000.  10000.
9177          DQ       0     50.    500.   5000.

9178          KK   STR4W
9179          KM   STREET CAPACITY DIVERSION
9180          KM   THOMAS
9181          KM   DIVERSION TO SOUTH
9182          DT   STR4S
9183          DI       0     12.     47.    945.   1626.
9184          DQ       0    0.1     32.    741.   1279.

9185          KK    RTR4
9186          KM   STREET ROUTE
9187          KM   WEST
9188          KM   THOMAS
9189          RS       5    FLOW     -1.
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9190          RC    0.02   0.016    0.02   2820.  0.0009
9191          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
9192          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

9193          KK  D2822W
9194          KM   RETRIEVAL OF SUB-BASIN DIVERSION
9195          KM   SUB-BASIN 28-22W
9196          DR  D2822W

9197          KK   S51IS
9198          KM   STREET CAPACITY DIVERSION
9199          KM   51ST AVENUE
9200          KM   DIVERSION TO WEST
9201          KM   STORM DRAIN ALONG 51ST AVE
9202          KM   CAP= 281.0 CFS SOUTH
9203          DT   S51IW
9204          DI       0    320.    369.   1852.   2978.
9205          DQ       0     0.1     40.    918.   1584.

9206          KK    R51N
9207          KM   STREET ROUTE
9208          KM   SOUTH
9209          KM   51ST Avenue
9210          RS       2    FLOW     -1.
9211          RC    0.02   0.016    0.02   2570.  0.0040
9212          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
9213          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
1                                          HEC-1 INPUT                                                    PAGE205

LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


9214          KK   CTR51
9215          KM   INTERSECTION COMBINE
9216          KM   THOMAS & 51ST
9217          HC       2  19.961

9218          KK   DTR51
9219          KM   STREET INTERSECTION DIVERSION
9220          KM   THOMAS & 51ST
9221          KM   39% West & 61% South
9222          KM   DIVERSION SOUTH
9223          KM   STORM DRAIN ALONG 51ST AVE
9224          KM   CAP= 281.0 CFS SOUTH
9225          DT   D51TR
9226          DI       0    281.  10281.
9227          DQ       0    281.   6381.

9228          KK    RTR5
9229          KM   STREET ROUTE
9230          KM   WEST
9231          KM   THOMAS
9232          RS       4    FLOW     -1.
9233          RC    0.02   0.016    0.02   2720.  0.0014
9234          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
9235          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

9236          KK    D55S
9237          KM   RETRIEVAL OF DIVERSION AT 55TH & GRAND CANAL
9238          DR    D55S

9239          KK  R2922A
9240          KM   SUB-BASIN STREET ROUTE
9241          KM   SOUTH
9242          KM   RW= 270'
9243          KM   PAV= 183'
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9244          RS       2    FLOW     -1.
9245          RC    0.02   0.016    0.02   2890.  0.0050
9246          RX       0     0.1    43.5    53.5   216.5   226.5    270.   270.1
9247          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

9248          KK  29-22S
9249          KM   SUB-BASIN 29-22S
9250          KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
9251          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .996
9252          KM     L =  .79  Kb = .079  Adj. Slope =   16.0
9253          BA    .594
9254          LG    .230    .190   6.600    .190  36.000
9255          UC    .946    .388
9256          UA       0       5      16      30      65      77      84      90      94      97
9257          UA     100
1                                          HEC-1 INPUT                                          PAGE206

LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


9258          KK   S51IW
9259          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
9260          KM   51ST
9261          DR   S51IW

9262          KK  R2922B
9263          KM   SUB-BASIN STREET ROUTE
9264          KM   WEST
9265          KM   RW= 270'
9266          KM   PAV= 183'
9267          RS       9    FLOW     -1.
9268          RC    0.02   0.016    0.02   5300.  0.0011
9269          RX       0     0.1    43.5    53.5   216.5   226.5    270.   270.1
9270          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

9271          KK  C2922S
9272          KM   SUB-BASIN COMBINE
9273          HC       3  26.898

9274          KK  D2922S
9275          KM   SUB-BASIN DIVERSION
9276          KM   SUB-BASIN 29-22S
9277          KM   27% West & 73% South
9278          DT  D2922W
9279          DI       0  10000.
9280          DQ       0   2700.

9281          KK    CTR3
9282          KM   EAST/WEST STREET COMBINE
9283          HC       2  27.999

9284          KK   STR5W
9285          KM   STREET CAPACITY DIVERSION
9286          KM   THOMAS
9287          KM   DIVERSION TO SOUTH
9288          KM   STORM DRAIN ALONG THOMAS ROAD
9289          KM   CAP=  26.0 CFS WEST
9290          DT   STR5S
9291          DI       0     48.     78.    967.   1641.
9292          DQ       0     0.1     24.    565.    975.

9293          KK    RTR6
9294          KM   STREET ROUTE
9295          KM   WEST
9296          KM   THOMAS
9297          RS       4    FLOW     -1.
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9298          RC    0.02   0.016    0.02   2600.  0.0013
9299          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
9300          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

9301          KK    D59S
9302          KM   RETRIEVAL OF INTERSECTION DIVERSION FROM 59TH & GRAND CANAL
9303          DR    D59S

9304          KK    R59N
9305          KM   STREET ROUTE
9306          KM   SOUTH
9307          KM   59TH Avenue
9308          RS       1    FLOW     -1.
9309          RC    0.02   0.016    0.02   1130.  0.0053
9310          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
9311          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

9312          KK  D2922W
9313          KM   RETRIEVAL OF SUB-BASIN DIVERSION
9314          KM   SUB-BASIN 29-22W
9315          DR  D2922W

9316          KK    C59G
9317          KM   NORTH/SOUTH STREET COMBINE
9318          KM   59TH AVENUE
9319          HC       2  26.898

9320          KK   S59IS
9321          KM   STREET CAPACITY DIVERSION
9322          KM   59TH
9323          KM   DIVERSION TO WEST
9324          KM   STORM DRAIN ALONG 59TH AVE
9325          KM   CAP= 389.0 CFS SOUTH
9326          DT   S59IW
9327          DI       0    429.    501.   2501.   4020.
9328          DQ       0     0.1     62.   1447.   2497.

9329          KK    R59O
9330          KM   STREET ROUTE
9331          KM   SOUTH
9332          KM   59TH Avenue
9333          RS       2    FLOW     -1.
9334          RC    0.02   0.016    0.02   2620.  0.0038
9335          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
9336          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

9337          KK   CTR59
9338          KM   INTERSECTION COMBINE
9339          KM   THOMAS & 59TH
9340          HC       2  27.999

9341          KK   DTR59
9342          KM   STREET INTERSECTION DIVERSION
9343          KM   THOMAS & 59TH
9344          KM   40% West & 60% South
9345          KM   DIVERSION SOUTH
9346          KM   STORM DRAIN ALONG 59TH AVE
9347          KM   CAP= 389.0 CFS SOUTH
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LINE ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10

KC/14891NT

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9348          DT   D59TR
9349          DI       0    389.  10389.
9350          DQ       0    389.   6389.

9351          KK    RTR7
9352          KM   STREET ROUTE
9353          KM   WEST
9354          KM   THOMAS
9355          RS       4    FLOW     -1.
9356          RC    0.02   0.016    0.02   2630.  0.0015
9357          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
9358          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

9359          KK    D63S
9360          KM   RETRIEVAL OF FLOW FROM PA63
9361          DR    D63S

9362          KK  R3022A
9363          KM   SUB-BASIN STREET ROUTE
9364          KM   SOUTH
9365          KM   RW= 170'
9366          KM   PAV= 113'
9367          RS       4    FLOW     -1.
9368          RC    0.02   0.016    0.02   4000.  0.0039
9369          RX       0     0.1    28.5    38.5   131.5   141.5    170.   170.1
9370          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

9371          KK  30-22S
9372          KM   SUB-BASIN 30-22S
9373          KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
9374          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .995
9375          KM     L = 1.19  Kb = .074  Adj. Slope =   16.0
9376          BA    .811
9377          LG    .230    .150   8.000    .100  35.000
9378          UC   1.175    .573
9379          UA       0       5      16      30      65      77      84      90      94      97
9380          UA     100

9381          KK   S59IW
9382          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
9383          KM   59TH
9384          DR   S59IW

9385          KK  R3022B
9386          KM   SUB-BASIN STREET ROUTE
9387          KM   WEST
9388          KM   RW= 370'
9389          KM   PAV= 253'
9390          RS       7    FLOW     -1.
9391          RC    0.02   0.016    0.02   5080.  0.0018
9392          RX       0     0.1    58.5    68.5   301.5   311.5    370.   370.1
9393          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

9394          KK  C3022S
9395          KM   SUB-BASIN COMBINE
9396          HC       3  36.031

9397          KK  D3022S
9398          KM   SUB-BASIN DIVERSION
9399          KM   SUB-BASIN 30-22S
9400          KM   24% West & 76% South
9401          DT  D3022W
```

```
9402          DI       0  10000.
9403          DQ       0   2400.

9404          KK    CTR4
9405          KM   EAST/WEST STREET COMBINE
9406          KM   THOMAS
9407          HC       2  37.133

9408          KK   STR6W
9409          KM   STREET CAPACITY DIVERSION
9410          KM   THOMAS
9411          KM   DIVERSION TO SOUTH
9412          DT   STR6S
9413          DI       0     23.     61.   1126.   1935.
9414          DQ       0     0.1     32.    741.   1279.

9415          KK    RTR8
9416          KM   STREET ROUTE
9417          KM   WEST
9418          KM   THOMAS
9419          RS       4    FLOW     -1.
9420          RC    0.02   0.016    0.02   2520.  0.0013
9421          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
9422          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

9423          KK  D3022W
9424          KM   RETRIEVAL OF SUB-BASIN DIVERSION
9425          KM   SUB-BASIN 30-22S
9426          DR  D3022W

9427          KK   D67IS
9428          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
9429          KM   67TH AVE. AND INDIAN SCHOOL
9430          DR   D67IS

9431          KK   C67G1
9432          KM   NORTH/SOUTH STREET COMBINE
9433          KM   67TH AVE.
9434          HC       2   36.03
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

9435          KK   S67IS
9436          KM   STREET CAPACITY DIVERSION
9437          KM   67TH
9438          KM   DIVERSION TO WEST
9439          KM   STORM DRAIN ALONG 67TH AVE
9440          KM   CAP= 240.0 CFS SOUTH
9441          DT   S67IW
9442          DI       0    272.    312.   1519.   2437.
9443          DQ       0     0.1     32.    741.   1279.

9444          KK    R67O
9445          KM   STREET ROUTE
9446          KM   SOUTH
9447          KM   67TH Avenue
9448          RS       3    FLOW     -1.
9449          RC    0.02   0.016    0.02   2630.  0.0030
9450          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
9451          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

9452          KK   CTR67
9453          KM   INTERSECTION COMBINE
9454          KM   THIS COMBINE COLLECTS THE 0 CFS FLOW FROM D63 AND CLOSES THE
```

```
9455        KM   NORTH OF GRAND CANAL THOMAS RD. COMPUTATION PATH
9456        KM   THOMAS & 67TH
9457        HC       3  37.133

9458        KK   DTR67
9459        KM   STREET INTERSECTION DIVERSION
9460        KM   THOMAS & 67TH
9461        KM   40% West & 60% South
9462        KM   DIVERSION SOUTH
9463        KM   STORM DRAIN ALONG 67TH AVE
9464        KM   CAP= 240.0 CFS SOUTH
9465        DT   D67TR
9466        DI       0    240.  10240.
9467        DQ       0    240.   6240.

9468        KK    RTR9
9469        KM   STREET ROUTE
9470        KM   WEST
9471        KM   THOMAS
9472        RS       3    FLOW     -1.
9473        RC    0.02   0.016    0.02   2630.  0.0022
9474        RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
9475        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

9476        KK   SIS5S
9477        KM   RETRIEVAL OF STREET CAPACITY DIVERSION
9478        KM   INDIAN SCHOOL
9479        DR   SIS5S
1                                    HEC-1 INPUT                                          PAGE211

LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


9480        KK  R2521S
9481        KM   SUB-BASIN STREET ROUTE
9482        KM   SOUTH
9483        KM   RW= 120'
9484        KM   PAV= 78'
9485        RS       6    FLOW     -1.
9486        RC    0.02   0.016    0.02   5300.  0.0026
9487        RX       0     0.1    21.0    31.0    89.0    99.0    120.   120.1
9488        RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

9489        KK   25-21
9490        KM   SUB-BASIN 25-21
9491        KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
9492        KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .994
9493        KM     L = 1.38  Kb = .065  Adj. Slope =   14.0
9494        BA   1.001
9495        LG    .220    .170   9.700    .060  32.000
9496        UC   1.246    .611
9497        UA       0       5      16      30      65      77      84      90      94      97
9498        UA     100

9499        KK   RET25
9500        KM   RETENTION BASIN DIVERSION
9501        KM   SUB-BASIN 25-21
9502        KM    2% OF SUB-BASIN DRAINS TO RETENTION BASIN
9503        DT  D2521R   15.49
9504        DI       0  10000.
9505        DQ       0    200.

9506        KK   S67IW
9507        KM   RETRIEVAL OF STREET CAPACITY DIVERSION
9508        KM   67TH
9509        DR   S67IW
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9510        KK  R2521W
9511        KM   SUB-BASIN STREET ROUTE
9512        KM   WEST
9513        KM   RW= 220'
9514        KM   PAV= 148
9515        RS       6    FLOW     -1.
9516        RC    0.02   0.016    0.02   5390.  0.0027
9517        RX       0     0.1    36.0    46.0   174.0   184.0    220.   220.1
9518        RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

9519        KK  C25-21
9520        KM   SUB-BASIN COMBINE
9521        HC       3  37.644

9522        KK  D2521S
9523        KM   SUB-BASIN DIVERSION
9524        KM   SUB-BASIN 25-21
9525        KM   24% West & 76% South
9526        DT  D2521W
9527        DI       0  10000.
```



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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

9528        DQ       0   2400.

9529        KK    CTR5
9530        KM   EAST/WEST STREET COMBINE
9531        HC       2  38.746

9532        KK   STR7W
9533        KM   STREET CAPACITY DIVERSION
9534        KM   THOMAS
9535        KM   DIVERSION TO SOUTH
9536        KM   STORM DRAIN ALONG THOMAS ROAD
9537        KM   CAP=  91.0 CFS WEST
9538        DT   STR7S
9539        DI       0    120.    152.   1150.   1908.
9540        DQ       0     0.1     24.    565.    975.

9541        KK   RTR10
9542        KM   STREET ROUTE
9543        KM   WEST
9544        KM   THOMAS
9545        RS       3    FLOW     -1.
9546        RC    0.02   0.016    0.02   2670.  0.0025
9547        RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
9548        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

9549        KK   D75IS
9550        KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
9551        KM   75TH & INDIAN SCHOOL
9552        DR   D75IS

9553        KK    R75P
9554        KM   STREET ROUTE
9555        KM   SOUTH
9556        KM   75TH Avenue
9557        RS       3    FLOW     -1.
9558        RC    0.02   0.016    0.02   2670.  0.0030
9559        RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
9560        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

9561        KK  D2521W
9562        KM   RETRIEVAL OF SUB-BASIN DIVERSION
```


K/L4PRINT

```
9563          KM   SUB-BASIN 25-21
9564          DR  D2521W

9565          KK    C75G
9566          KM   NORTH/SOUTH STREET COMBINE
9567          KM   75TH AVENUE
9568          HC       2  37.644

9569          KK   S75JS
9570          KM   STREET CAPACITY DIVERSION
9571          KM   75TH
9572          KM   DIVERSION TO WEST
9573          KM   STORM DRAIN ALONG 75TH AVE
9574          KM   CAP= 328.0 CFS SOUTH
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

9575          DT   S75JW
9576          DI       0    359.    399.   1593.   2500.
9577          DQ       0     0.1     32.    741.   1279.

9578          KK    R75Q
9579          KM   STREET ROUTE
9580          KM   SOUTH
9581          KM   75TH Avenue
9582          RS       3    FLOW     -1.
9583          RC    0.02   0.016    0.02   2660.  0.0022
9584          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
9585          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

9586          KK   CTR75
9587          KM   INTERSECTION COMBINE
9588          KM   THOMAS & 75TH
9589          HC       2  38.746

9590          KK   DTR75
9591          KM   STREET INTERSECTION DIVERSION
9592          KM   THOMAS & 75TH
9593          KM   35% West & 65% South
9594          KM   DIVERSION SOUTH
9595          KM   STORM DRAIN ALONG 75TH AVE
9596          KM   CAP= 328.0 CFS SOUTH
9597          DT   D75TR
9598          DI       0    328.  10328.
9599          DQ       0    328.   6828.

9600          KK   RTR11
9601          KM   STREET ROUTE
9602          KM   WEST
9603          KM   THOMAS
9604          RS       3    FLOW     -1.
9605          RC    0.02   0.016    0.02   2600.  0.0029
9606          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
9607          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

9608          KK   SIS6S
9609          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
9610          KM   INDIAN SCHOOL
9611          DR   SIS6S

9612          KK  R2621S
9613          KM   SUB-BASIN STREET ROUTE
9614          KM   SOUTH
9615          KM   RW= 370'
9616          KM   PAV= 253'
```

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9617          RS       6    FLOW     -1.
9618          RC    0.02   0.016    0.02   5700.  0.0029
9619          RX       0     0.1    58.5    68.5   301.5   311.5    370.   370.1
9620          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0
1                                          HEC-1 INPUT                                                    PAGE214

LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


9621          KK   26-21
9622          KM   SUB-BASIN 26-21
9623          KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
9624          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .994
9625          KM     L = 1.40  Kb = .074  Adj. Slope =   15.0
9626          BA    .990
9627          LG    .240    .160   7.000    .140  33.000
9628          UC   1.400    .708
9629          UA       0       5      16      30      65      77      84      90      94      97
9630          UA     100

9631          KK   S75JW
9632          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
9633          KM   75TH
9634          DR   S75JW

9635          KK  R2621W
9636          KM   SUB-BASIN STREET ROUTE
9637          KM   WEST
9638          KM   RW= 270'
9639          KM   PAV= 183'
9640          RS       6    FLOW     -1.
9641          RC    0.02   0.016    0.02   5280.  0.0024
9642          RX       0     0.1    43.5    53.5   216.5   226.5    270.   270.1
9643          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

9644          KK  C26-21
9645          KM   SUB-BASIN COMBINE
9646          HC       3  41.284

9647          KK  D2621S
9648          KM   SUB-BASIN DIVERSION
9649          KM   SUB-BASIN 26-21
9650          KM   26% West & 74% South
9651          DT  D2621W
9652          DI       0  10000.
9653          DQ       0   2600.

9654          KK    CTR6
9655          KM   EAST/WEST STREET COMBINE
9656          HC       2  41.284

9657          KK   STR8W
9658          KM   STREET CAPACITY DIVERSION
9659          KM   THOMAS
9660          KM   DIVERSION TO SOUTH
9661          DT   STR8S
9662          DI       0     31.     46.    690.   1180.
9663          DQ       0     0.1      7.    177.    305.
1                                          HEC-1 INPUT                                                    PAGE215

LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


9664          KK   RTR12
9665          KM   STREET ROUTE
9666          KM   WEST
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INTERPRINT

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9667          KM   THOMAS
9668          RS       3    FLOW     -1.
9669          RC    0.02   0.016    0.02   2620.  0.0021
9670          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
9671          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

9672          KK   D83IS
9673          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
9674          KM   83RD & INDIAN SCHOOL
9675          DR   D83IS

9676          KK    R83P
9677          KM   STREET ROUTE
9678          KM   SOUTH
9679          KM   83RD Avenue
9680          RS       3    FLOW     -1.
9681          RC    0.02   0.016    0.02   2630.  0.0021
9682          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
9683          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

9684          KK  D2621W
9685          KM   RETRIEVAL OF SUB-BASIN DIVERSION
9686          KM   SUB-BASIN 26-21
9687          DR  D2621W

9688          KK    C83H
9689          KM   NORTH/SOUTH STREET COMBINE
9690          KM   83RD AVENUE
9691          HC       2  57.035

9692          KK   S83IS
9693          KM   STREET CAPACITY DIVERSION
9694          KM   83RD
9695          KM   DIVERSION TO WEST
9696          KM   STORM DRAIN ALONG 83RD AVE
9697          KM   CAP= 243.0 CFS SOUTH
9698          DT   S83IW
9699          DI       0    272.    311.   1470.   2350.
9700          DQ       0     0.1     32.    741.   1279.

9701          KK    R83Q
9702          KM   STREET ROUTE
9703          KM   SOUTH
9704          KM   83RD Avenue
9705          RS       3    FLOW     -1.
9706          RC    0.02   0.016    0.02   2630.  0.0024
9707          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
9708          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

9709          KK   CTR83
9710          KM   INTERSECTION COMBINE
9711          KM   THOMAS & 83RD
9712          HC       2  56.347

9713          KK   DTR83
9714          KM   STREET INTERSECTION DIVERSION
9715          KM   THOMAS & 83RD
9716          KM   35% West & 65% South
9717          KM   DIVERSION SOUTH
9718          KM   STORM DRAIN ALONG 83RD AVE
9719          KM   CAP= 243.0 CFS SOUTH
9720          DT   D83TR
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9721        DI       0    243.  10243.
9722        DQ       0    243.   6743.

9723        KK   RTR13
9724        KM   STREET ROUTE
9725        KM   WEST
9726        KM   THOMAS
9727        RS       3    FLOW     -1.
9728        RC    0.02   0.016    0.02   2640.  0.0024
9729        RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
9730        RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

9731        KK   SIS7S
9732        KM   RETRIEVAL OF STREET CAPACITY DIVERSION
9733        KM   INDIAN SCHOOL
9734        DR   SIS7S

9735        KK  R2721S
9736        KM   SUB-BASIN STREET ROUTE
9737        KM   SOUTH
9738        KM   RW= 220'
9739        KM   PAV= 148'
9740        RS       8    FLOW     -1.
9741        RC    0.02   0.016    0.02   5700.  0.0019
9742        RX       0     0.1    36.0    46.0   174.0   184.0    220.   220.1
9743        RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

9744        KK   27-21
9745        KM   SUB-BASIN 27-21
9746        KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
9747        KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .994
9748        KM     L = 1.34  Kb = .073  Adj. Slope =   13.0
9749        BA   1.005
9750        LG    .290    .170   7.600    .120  23.000
9751        UC   1.450    .704
9752        UA       0       5      16      30      65      77      84      90      94      97
9753        UA     100
```



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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

9754        KK   RET27
9755        KM   RETENTION BASIN DIVERSION
9756        KM   SUB-BASIN 27-21
9757        KM    5% OF SUB-BASIN DRAINS TO RETENTION BASIN
9758        DT  D2721R    2.36
9759        DI       0  10000.
9760        DQ       0    500.

9761        KK   S83IW
9762        KM   RETRIEVAL OF STREET CAPACITY DIVERSION
9763        KM   83RD
9764        DR   S83IW

9765        KK  R2721W
9766        KM   SUB-BASIN STREET ROUTE
9767        KM   WEST
9768        KM   RW= 220'
9769        KM   PAV= 148'
9770        RS       6    FLOW     -1.
9771        RC    0.02   0.016    0.02   5280.  0.0027
9772        RX       0     0.1    36.0    46.0   174.0   184.0    220.   220.1
9773        RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

9774        KK  C27-21
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1C/14PRINT

```
9775          KM   SUB-BASIN COMBINE
9776          HC       3  65.566

9777          KK  D2721S
9778          KM   SUB-BASIN DIVERSION
9779          KM   SUB-BASIN 27-21
9780          KM   30% West & 70% South
9781          DT  D2721W
9782          DI       0  10000.
9783          DQ       0   3000.

9784          KK    CTR7
9785          KM   EAST/WEST STREET COMBINE
9786          HC       2  66.668

9787          KK   STR9W
9788          KM   STREET CAPACITY DIVERSION
9789          KM   THOMAS
9790          KM   DIVERSION TO SOUTH
9791          DT   STR9S
9792          DI       0     32.     72.   1278.   2194.
9793          DQ       0     0.1     32.    741.   1279.

9794          KK   RTR14
9795          KM   STREET ROUTE
9796          KM   WEST
9797          KM   THOMAS
9798          RS       3    FLOW     -1.
9799          RC    0.02   0.016    0.02   2650.  0.0031
9800          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
1                                          HEC-1 INPUT                                    PAGE218

LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

9801          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

9802          KK   D91IS
9803          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
9804          KM   91ST & INDIAN SCHOOL
9805          DR   D91IS

9806          KK    R91M
9807          KM   STREET ROUTE
9808          KM   SOUTH
9809          KM   91ST Avenue
9810          RS       4    FLOW     -1.
9811          RC    0.02   0.016    0.02   2630.  0.0016
9812          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
9813          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

9814          KK  D2721W
9815          KM   RETRIEVAL OF SUB-BASIN DIVERSION
9816          KM   SUB-BASIN 27-21
9817          DR  D2721W

9818          KK    C91G
9819          KM   NORTH/SOUTH STREET COMBINE
9820          KM   91ST AVENUE
9821          HC       2  65.566

9822          KK   S91GS
9823          KM   STREET CAPACITY DIVERSION
9824          KM   91ST
9825          KM   DIVERSION TO WEST
9826          KM   STORM DRAIN ALONG 91ST AVE
9827          KM   CAP= 326.0 CFS SOUTH
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```
9828          DT   S91GW
9829          DI       0    343.    356.    822.   1177.
9830          DQ       0     0.1      9.    212.    365.

9831          KK    R91N
9832          KM   STREET ROUTE
9833          KM   SOUTH
9834          KM   91ST Avenue
9835          RS       3    FLOW     -1.
9836          RC    0.02   0.016    0.02   2650.  0.0025
9837          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
9838          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

9839          KK   CTR91
9840          KM   INTERSECTION COMBINE
9841          KM   THOMAS & 91ST
9842          HC       2  66.668
1                                        HEC-1 INPUT                                          PAGE219

LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


9843          KK   DTR91
9844          KM   STREET INTERSECTION DIVERSION
9845          KM   THOMAS & 91ST
9846          KM   43% West & 57% South
9847          KM   DIVERSION SOUTH
9848          KM   STORM DRAIN ALONG 91ST AVE
9849          KM   CAP= 326.0 CFS SOUTH
9850          DT   D91TR
9851          DI       0    326.  10326.
9852          DQ       0    326.   6026.

9853          KK   RTR15
9854          KM   STREET ROUTE
9855          KM   WEST
9856          KM   THOMAS
9857          RS       4    FLOW     -1.
9858          RC    0.02   0.016    0.02   2650.  0.0018
9859          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
9860          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

9861          KK   SIS8S
9862          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
9863          KM   INDIAN SCHOOL
9864          DR   SIS8S

9865          KK  R2821S
9866          KM   SUB-BASIN STREET ROUTE
9867          KM   SOUTH
9868          KM   RW= 50'
9869          KM   PAV= 35'
9870          RS      10    FLOW     -1.
9871          RC    0.02   0.016    0.02   5700.  0.0011
9872          RX       0     0.1     7.5    17.5    32.5    42.5     50.    50.1
9873          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

9874          KK   28-21
9875          KM   SUB-BASIN 28-21
9876          KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
9877          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .994
9878          KM     L = 1.11  Kb = .080  Adj. Slope =   11.0
9879          BA    .999
9880          LG    .490    .150   8.800    .090   2.000
9881          UC   1.487    .625
9882          UA       0       5      16      30      65      77      84      90      94      97
```


K/L4PRINT

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9883          UA     100

9884          KK   S91GW
9885          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
9886          KM   91ST
9887          DR   S91GW
```



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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

9888          KK  R2821W
9889          KM   SUB-BASIN STREET ROUTE
9890          KM   WEST
9891          KM   RW= 50'
9892          KM   PAV= 35'
9893          RS       6    FLOW     -1.
9894          RC    0.02   0.016    0.02   5300.  0.0026
9895          RX       0     0.1     7.5    17.5    32.5    42.5     50.    50.1
9896          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

9897          KK  C28-21
9898          KM   SUB-BASIN COMBINE
9899          HC       3  70.436

9900          KK  D2821S
9901          KM   SUB-BASIN DIVERSION
9902          KM   SUB-BASIN 28-21
9903          KM   63% West & 37% South
9904          DT  D2821W
9905          DI       0  10000.
9906          DQ       0   6300.

9907          KK    CTR8
9908          KM   EAST/WEST STREET COMBINE
9909          HC       2  70.436

9910          KK  STR10W
9911          KM   STREET CAPACITY DIVERSION
9912          KM   THOMAS
9913          KM   DIVERSION TO SOUTH
9914          DT  STR10S
9915          DI       0     26.     41.    618.   1058.
9916          DQ       0     0.1      8.    177.    305.

9917          KK   RTR16
9918          KM   STREET ROUTE
9919          KM   WEST
9920          KM   THOMAS
9921          RS       3    FLOW     -1.
9922          RC    0.02   0.016    0.02   2640.  0.0020
9923          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
9924          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

9925          KK   D99IS
9926          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
9927          KM   99TH & INDIAN SCHOOL
9928          DR   D99IS

9929          KK    R99H
9930          KM   STREET ROUTE
9931          KM   SOUTH
9932          KM   99TH Avenue
9933          RS       5    FLOW     -1.
9934          RC    0.02   0.016    0.02   2650.  0.0009
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

9935          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
9936          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

9937          KK  D2821W
9938          KM   RETRIEVAL OF SUB-BASIN DIVERSION
9939          KM   SUB-BASIN 28-21
9940          DR  D2821W

9941          KK    C99D
9942          KM   NORTH/SOUTH STREET COMBINE
9943          KM   99TH AVENUE
9944          HC       2  70.436

9945          KK   S99DS
9946          KM   STREET CAPACITY DIVERSION
9947          KM   99TH
9948          KM   DIVERSION TO WEST
9949          DT   S99DW
9950          DI       0     19.     31.    490.    839.
9951          DQ       0     0.1      8.    177.    305.

9952          KK    R99I
9953          KM   STREET ROUTE
9954          KM   SOUTH
9955          KM   99TH Avenue
9956          RS       5    FLOW     -1.
9957          RC    0.02   0.016    0.02   2600.  0.0009
9958          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
9959          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

9960          KK   CTR99
9961          KM   INTERSECTION COMBINE
9962          KM   THOMAS & 99TH
9963          HC       2  70.436

9964          KK   DTR99
9965          KM   STREET INTERSECTION DIVERSION
9966          KM   THOMAS & 99TH
9967          KM   75% West & 25% South
9968          DT   D99TR
9969          DI       0  10000.
9970          DQ       0   2500.

9971          KK   RTR17
9972          KM   STREET ROUTE
9973          KM   WEST
9974          KM   THOMAS
9975          RS       3    FLOW     -1.
9976          RC    0.02   0.016    0.02   2530.  0.0019
9977          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
9978          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

9979          KK   SIS9S
9980          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
9981          KM   INDIAN SCHOOL
9982          DR   SIS9S

9983          KK  R2921S
9984          KM   SUB-BASIN STREET ROUTE
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K/L4PRINT

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 9985          KM   SOUTH
 9986          KM   RW= 50'
 9987          KM   PAV= 35'
 9988          RS       7    FLOW     -1.
 9989          RC    0.02   0.016    0.02   5700.  0.0021
 9990          RX       0     0.1     7.5    17.5    32.5    42.5     50.    50.1
 9991          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

 9992          KK  29-21N
 9993          KM   SUB-BASIN 29-21N
 9994          KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
 9995          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .995
 9996          KM     L = 1.41  Kb = .082  Adj. Slope =    9.0
 9997          BA    .761
 9998          LG    .490    .150   9.700    .070   2.000
 9999          UC   1.500    .893
10000          UA       0       5      16      30      65      77      84      90      94      97
10001          UA     100

10002          KK   S99DW
10003          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
10004          KM   99TH
10005          DR   S99DW

10006          KK  R2921W
10007          KM   SUB-BASIN STREET ROUTE
10008          KM   WEST
10009          KM   RW= 50'
10010          KM   PAV= 35'
10011          RS       3    FLOW     -1.
10012          RC    0.02   0.016    0.02   2640.  0.0035
10013          RX       0     0.1     7.5    17.5    32.5    42.5     50.    50.1
10014          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

10015          KK  C2921N
10016          KM   SUB-BASIN COMBINE
10017          HC       3  72.919

10018          KK  D2921S
10019          KM   SUB-BASIN DIVERSION
10020          KM   SUB-BASIN 26-21N
10021          KM   33% West & 67% South
10022          DT  D2921W
10023          DI       0  10000.
10024          DQ       0   3300.
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 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

10025          KK    CTR9
10026          KM   EAST/WEST STREET COMBINE
10027          HC       2  74.021

10028          KK  RES29S
10029          KM   PONDING AREA RESERVOIR ROUTE
10030          KM   PONDING AREA EAST OF RID CANAL
10031          KM   SUB-BASIN 29-21N
10032          RS       1    ELEV   1019.
10033          SV       0    16.4    50.7    71.4    77.2   109.7
10034          SE   1019.   1020.   1021.  1021.4  1021.5   1022.
10035          SQ      0.     0.1     0.2     0.3     96.   1160.

10036          KK  D107IS
10037          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
10038          KM   107TH & INDIAN SCHOOL
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10039          DR  D107IS

10040          KK   R107C
10041          KM   STREET ROUTE
10042          KM   SOUTH
10043          KM   107TH Avenue
10044          RS       5    FLOW     -1.
10045          RC    0.02   0.016    0.02   2490.  0.0009
10046          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
10047          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

10048          KK  D2921W
10049          KM   RETRIEVAL OF SUB-BASIN DIVERSION
10050          KM   SUB-BASIN 29-21N
10051          DR  D2921W

10052          KK   C107B
10053          KM   NORTH/SOUTH STREET COMBINE
10054          KM   107TH AVENUE
10055          HC       2  72.919

10056          KK  RES29W
10057          KM   PONDING AREA RESERVOIR ROUTE
10058          KM   PONDING AREA NORTH OF GRAND RID CANAL
10059          KM   SUB-BASIN 29-21N
10060          RS       1    ELEV   1016.
10061          SV       0    48.9    74.7   130.2   193.2
10062          SE   1016.   1018.  1018.5  1019.3   1020.
10063          SQ      0.     0.1    771.   3920.   9112.

10064          KK  D2921B
10065          KM   DIVERSION
10066          KM   107TH & R.I.D. CANAL
10067          KM   DIVERSION TO WEST
10068          KM   SPECIAL CASE: FLOW DIVERSION DOCUMENTED AS PART OF RES29W ANALYSES
10069          DT  D2921C
10070          DI      0.    771.   3920.   9112.
10071          DQ       0    771.   3920.   8618.
```



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 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

10072          KK  R2921A
10073          KM   SUB-BASIN STREET ROUTE
10074          KM   SOUTH
10075          KM   RW= 150'
10076          KM   PAV= 105'
10077          RS       5    FLOW     -1.
10078          RC    0.02   0.016    0.02   2610.  0.0008
10079          RX       0     0.1    22.5    32.5   117.5   127.5    150.   150.1
10080          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

10081          KK  29-21S
10082          KM   SUB-BASIN 29-21S
10083          KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
10084          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .998
10085          KM     L =  .88  Kb = .086  Adj. Slope =    9.0
10086          BA    .262
10087          LG    .280    .150   9.700    .060  19.000
10088          UC   1.362   1.010
10089          UA       0       5      16      30      65      77      84      90      94      97
10090          UA     100

10091          KK   C107C
10092          KM   NORTH/SOUTH STREET COMBINE
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10093          KM   107TH AVENUE
10094          HC       3  74.284

10095          KK  DTR107
10096          KM   STREET INTERSECTION DIVERSION
10097          KM   THOMAS & 107TH
10098          KM   65% West & 35% South
10099          DT  D107TR
10100          DI       0  10000.
10101          DQ       0   3500.

10102          KK   RTR18
10103          KM   STREET ROUTE
10104          KM   WEST
10105          KM   THOMAS
10106          RS       3    FLOW     -1.
10107          RC    0.02   0.016    0.02   2390.  0.0017
10108          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
10109          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

10110          KK  30-21S
10111          KM   SUB-BASIN 30-21S
10112          KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
10113          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .996
10114          KM     L =  .79  Kb = .036  Adj. Slope =   12.0
10115          BA    .748
10116          LG    .210    .290   6.800    .120  12.000
10117          UC    .596    .204
10118          UA       0       5      16      30      65      77      84      90      94      97
10119          UA     100
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LINE           ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

10120          KK  RET30S
10121          KM   RETENTION BASIN DIVERSION
10122          KM   SUB-BASIN 30-21S
10123          KM   81% OF SUB-BASIN DRAINS TO RETENTION BASIN
10124          DT  D3021X   17.78
10125          DI       0  10000.
10126          DQ       0   8100.

10127          KK  C3021S
10128          KM   SUB-BASIN COMBINE
10129          HC       2  75.033

10130          KK  STR11W
10131          KM   STREET CAPACITY DIVERSION
10132          KM   THOMAS
10133          KM   DIVERSION TO SOUTH
10134          DT  STR11S
10135          DI       0     22.     50.    899.   1543.
10136          DQ       0    0.1     23.    530.    914.

10137          KK   RTR19
10138          KM   STREET ROUTE
10139          KM   WEST
10140          KM   THOMAS
10141          RS       6    FLOW     -1.
10142          RC    0.02   0.016    0.02   2800.  0.0008
10143          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
10144          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

10145          KK  DTR115
10146          KM   STREET INTERSECTION DIVERSION
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10147          KM   THOMAS & 115TH
10148          KM   57% West & 43% South
10149          DT  D115TR
10150          DI       0  10000.
10151          DQ       0   4300.

10152          KK  30-21N
10153          KM   SUB-BASIN 30-21N
10154          KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
10155          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .996
10156          KM     L =  .71  Kb = .047  Adj. Slope =   15.0
10157          BA    .667
10158          LG    .210    .260   6.800    .130  21.000
10159          UC    .604    .203
10160          UA       0       5      16      30      65      77      84      90      94      97
10161          UA     100

10162          KK  RET30N
10163          KM   RETENTION BASIN DIVERSION
10164          KM   SUB-BASIN 30-21N
10165          KM   82% OF SUB-BASIN DRAINS TO RETENTION BASIN
10166          DT  D3021R   29.37
10167          DI       0  10000.
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 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

10168          DQ       0   8200.

10169          KK  D3021S
10170          KM   SUB-BASIN DIVERSION
10171          KM   SUB-BASIN 30-21N
10172          KM   21% West & 79% South
10173          DT  D3021W
10174          DI       0  10000.
10175          DQ       0   2100.

10176          KK  D2921C
10177          KM   RETRIEVAL OF DIVERSION @ 107TH & R.I.D. CANAL
10178          DR  D2921C

10179          KK  R3021W
10180          KM   SUB-BASIN STREET ROUTE
10181          KM   WEST
10182          KM   RW= 70'
10183          KM   PAV= 43'
10184          RS       4    FLOW     -1.
10185          RC    0.02   0.016    0.02   3540.  0.0023
10186          RX       0     0.1    13.5    23.5    46.5    56.5    170.   170.1
10187          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

10188          KK  C3021N
10189          KM   SUB-BASIN COMBINE
10190          HC       2  73.587

10191          KK  R3021R
10192          KM   SUB-BASIN ROUTE THROUGH CHANNEL ADJACENT TO ARTERIAL STREET
10193          KM   WEST
10194          KM   BOTTOM WIDTH = 10'
10195          KM   SIDE SLOPES = 2:1
10196          RS       2    FLOW     -1.
10197          RC    0.02    0.02    0.02   2030.  0.0030
10198          RX       0     0.1     2.5     5.0    15.0    17.5    20.0    20.1
10199          RY     2.5     2.4     1.3     0.0     0.0     1.3     2.4     2.5

10200          KK  D3021W
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K/L 14PRINT

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10201          KM   RETRIEVAL OF SUB-BASIN DIVERSION
10202          KM   SUB-BASIN 30-21N
10203          DR  D2021W

10204          KK   NULL8
10205          KM   COMBINE FLOWS FROM SUB-BASIN 30-21N & 30-21S W/ NULL7
10206          HC       4     1.
               *
               * MCDOWELL COMPUTATION PATH
               *
1                                        HEC-1 INPUT                                                    PAGE227

 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

10207          KK   36-22
10208          KM   SUB-BASIN 36-22
10209          KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
10210          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .999
10211          KM     L =  .88  Kb = .026  Adj. Slope =   11.0
10212          BA    .227
10213          LG    .150    .150   8.000    .110  55.000
10214          UC    .500    .360
10215          UA       0       5      16      30      65      77      84      90      94      97
10216          UA     100

10217          KK  D3622S
10218          KM   SUB-BASIN DIVERSION
10219          KM   SUB-BASIN 36-22
10220          KM   64% West & 36% South
10221          DT  D3622W
10222          DI       0  10000.
10223          DQ       0   6400.

10224          KK   D27TR
10225          KM   RETRIEVAL OF DIVERSION FROM RES26E
10226          DR   D27TR

10227          KK    R27G
10228          KM   STREET ROUTE
10229          KM   SOUTH
10230          KM   27TH Avenue
10231          RS       2    FLOW     -1.
10232          RC    0.02   0.016    0.02   2620.  0.0042
10233          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
10234          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

10235          KK  D3622W
10236          KM   RETRIEVAL OF SUB-BASIN DIVERSION
10237          KM   SUB-BASIN 36-22
10238          DR  D3622W

10239          KK    C27B
10240          KM   NORTH/SOUTH STREET COMBINE
10241          KM   27TH AVENUE
10242          HC       2  17.259

10243          KK   S27BS
10244          KM   STREET CAPACITY DIVERSION
10245          KM   27TH AVENUE
10246          KM   DIVERSION TO WEST
10247          DT   S27BW
10248          DI       0     35.     68.   1146.   1965.
10249          DQ       0    0.1     24.    565.    975.
1                                        HEC-1 INPUT                                                    PAGE228
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 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

 10250         KK   R27H
 10251         KM   STREET ROUTE
 10252         KM   SOUTH
 10253         KM   27TH Avenue
 10254         RS       3    FLOW     -1.
 10255         RC    0.02   0.016    0.02   2700.  0.0023
 10256         RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
 10257         RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

 10258         KK   CMD27
 10259         KM   INTERSECTION COMBINE
 10260         KM   MCDOWELL & 27TH
 10261         HC       2  17.259

 10262         KK   DMD27
 10263         KM   STREET INTERSECTION DIVERSION
 10264         KM   MCDOWELL & 27TH
 10265         KM   38% West & 62% South
 10266         KM   DIVERSION SOUTH
 10267         KM   STORM DRAIN ALONG 27TH AVE
 10268         KM   CAP= 131.0 CFS SOUTH
 10269         DT   D27MD
 10270         DI       0    131.  10131.
 10271         DQ       0    131.   6331.

 10272         KK   RMD1
 10273         KM   STREET ROUTE
 10274         KM   WEST
 10275         KM   MCDOWELL
 10276         RS       7    FLOW     -1.
 10277         RC    0.02   0.016    0.02   2630.  0.0005
 10278         RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
 10279         RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

 10280         KK   STR1S
 10281         KM   RETRIEVAL OF STREET CAPACITY DIVERSION
 10282         KM   THOMAS
 10283         DR   STR1S

 10284         KK  R3522S
 10285         KM   SUB-BASIN STREET ROUTE
 10286         KM   SOUTH
 10287         KM   RW= 270'
 10288         KM   PAV= 183'
 10289         RS       6    FLOW     -1.
 10290         RC    0.02   0.016    0.02   5400.  0.0032
 10291         RX       0     0.1    43.5    53.5   216.5   226.5    270.   270.1
 10292         RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0
1                                            HEC-1 INPUT                                          PAGE229

 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

 10293         KK   35-22
 10294         KM   SUB-BASIN 35-22
 10295         KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
 10296         KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .994
 10297         KM     L = 1.50  Kb = .045  Adj. Slope =   11.0
 10298         BA    .998
 10299         LG    .190    .130  10.100    .050  45.000
 10300         UC   1.100    .570
 10301         UA       0       5      16      30      65      77      84      90      94      97
 10302         UA     100
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10303          KK   S27BW
10304          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
10305          KM   27TH
10306          DR   S27BW

10307          KK  R3522W
10308          KM   SUB-BASIN STREET ROUTE
10309          KM   WEST
10310          KM   RW= 170'
10311          KM   PAV= 113'
10312          RS      13    FLOW     -1.
10313          RC    0.02   0.016    0.02   5310.  0.0006
10314          RX       0     0.1    28.5    38.5   131.5   141.5    170.   170.1
10315          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0    4.0

10316          KK  C35-22
10317          KM   SUB-BASIN COMBINE
10318          HC       3  18.650

10319          KK  D3522S
10320          KM   SUB-BASIN DIVERSION
10321          KM   SUB-BASIN 35-22
10322          KM   26% West & 74% South
10323          KM   DIVERSION WEST
10324          KM   STORM DRAIN ALONG 31ST AVENUE
10325          KM   CAP= 182.0 CFS SOUTH
10326          DT  D3522W
10327          DI       0    182.    382.    682.   1182.   2182.
10328          DQ       0     0.1     52.    130.    260.    420.

10329          KK    CMD1
10330          KM   EAST/WEST STREET COMBINE
10331          HC       2  18.650

10332          KK   SMD1W
10333          KM   STREET CAPACITY DIVERSION
10334          KM   MCDOWELL
10335          KM   DIVERSION TO SOUTH
10336          KM   STORM DRAIN ALONG 31ST AVE.
10337          KM   CAP= 182.0 CFS SOUTH
10338          DT   SMD1S
10339          DI       0    182.    200.    244.   1404.   2284.
10340          DQ       0    182.    182.    221.   1100.   1766.
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 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

10341          KK    RMD2
10342          KM   STREET ROUTE
10343          KM   WEST
10344          KM   MCDOWELL
10345          RS       4    FLOW     -1.
10346          RC    0.02   0.016    0.02   2670.  0.0013
10347          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
10348          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

10349          KK   D35TR
10350          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
10351          KM   35TH & THOMAS
10352          DR   D35TR

10353          KK    R35K
10354          KM   STREET ROUTE
10355          KM   SOUTH
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10356          KM   35TH Avenue
10357          RS       2    FLOW     -1.
10358          RC    0.02   0.016    0.02   2690.  0.0042
10359          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
10360          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

10361          KK  D3522W
10362          KM   RETRIEVAL OF SUB-BASIN DIVERSION
10363          KM   SUB-BASIN 35-22
10364          DR  D3522W

10365          KK    C35F
10366          KM   NORTH/SOUTH STREET COMBINE
10367          KM   35TH AVENUE
10368          HC       2  18.729

10369          KK   S35ES
10370          KM   STREET CAPACITY DIVERSION
10371          KM   35TH
10372          KM   DIVERSION TO WEST
10373          KM   STORM DRAIN ALONG 35TH AVE
10374          KM   CAP=  53.0 CFS SOUTH
10375          DT   S35EW
10376          DI       0     89.    161.   2112.   3594.
10377          DQ       0     0.1     62.   1447.   2497.

10378          KK    R35L
10379          KM   STREET ROUTE
10380          KM   SOUTH
10381          KM   35TH Avenue
10382          RS       3    FLOW     -1.
10383          RC    0.02   0.016    0.02   2630.  0.0030
10384          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
10385          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
```



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 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

10386          KK   CMD35
10387          KM   INTERSECTION COMBINE
10388          KM   MCDOWELL & 35TH
10389          HC       2  18.729

10390          KK   DMD35
10391          KM   STREET INTERSECTION DIVERSION
10392          KM   MCDOWELL & 35TH
10393          KM   33% West & 67% South
10394          KM   DIVERSION SOUTH
10395          KM   STORM DRAIN ALONG 35TH AVE
10396          KM   CAP=  53.0 CFS SOUTH
10397          DT   D35MD
10398          DI       0     53.  10053.
10399          DQ       0     53.   6753.

10400          KK    RMD3
10401          KM   STREET ROUTE
10402          KM   WEST
10403          KM   MCDOWELL
10404          RS      11    FLOW     -1.
10405          RC    0.02   0.016    0.02   2620.  0.0002
10406          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
10407          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

10408          KK   STR2S
10409          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
```


K/14PRINT

```
10410          KM   THOMAS
10411          DR   STR2S

10412          KK  R3422S
10413          KM   SUB-BASIN STREET ROUTE
10414          KM   SOUTH
10415          KM   RW= 270'
10416          KM   PAV= 183'
10417          RS       5    FLOW     -1.
10418          RC    0.02   0.016    0.02   5310.  0.0034
10419          RX       0     0.1    43.5    53.5   216.5   226.5    270.   270.1
10420          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

10421          KK   34-22
10422          KM   SUB-BASIN 34-22
10423          KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
10424          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .994
10425          KM     L = 1.37  Kb = .068  Adj. Slope =   15.0
10426          BA   1.000
10427          LG    .230    .140  10.100    .040  36.000
10428          UC   1.221    .594
10429          UA       0       5      16      30      65      77      84      90      94      97
10430          UA     100
```



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LINE           ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

10431          KK   S35EW
10432          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
10433          KM   35TH
10434          DR   S35EW

10435          KK  R3422W
10436          KM   SUB-BASIN STREET ROUTE
10437          KM   WEST
10438          KM   RW= 420'
10439          KM   PAV= 288'
10440          RS      18    FLOW     -1.
10441          RC    0.02   0.016    0.02   5290.  0.0003
10442          RX       0     0.1    66.0    76.0   344.0   354.0    420.   420.1
10443          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

10444          KK  C34-22
10445          KM   SUB-BASIN COMBINE
10446          HC       3  21.198

10447          KK  D3422S
10448          KM   SUB-BASIN DIVERSION
10449          KM   SUB-BASIN 34-22
10450          KM   36% West & 64% South
10451          KM   DIVERSION WEST
10452          KM   STORM DRAIN ALONG 39TH AVE
10453          KM   CAP= 319.0 CFS SOUTH
10454          DT  D3422W
10455          DI       0    319.    519.    819.   1319.   2319.
10456          DQ       0     0.1     72.    180.    360.    720.

10457          KK    CMD2
10458          KM   EAST/WEST STREET COMBINE
10459          HC       2  21.198

10460          KK   SMD2W
10461          KM   STREET CAPACITY DIVERSION
10462          KM   MCDOWELL
10463          KM   DIVERSION TO SOUTH
```

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10464          KM   STORM DRAIN ALONG 39TH AVE.
10465          KM   CAP= 319.0 CFS SOUTH
10466          DT   SMD2S
10467          DI       0    319.    332.    383.   1635.   2586.
10468          DQ       0    319.    319.    366.   1413.   2207.

10469          KK    RMD4
10470          KM   STREET ROUTE
10471          KM   WEST
10472          KM   MCDOWELL
10473          RS       6    FLOW     -1.
10474          RC    0.02   0.016    0.02   2670.  0.0007
10475          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
10476          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
1                                              HEC-1 INPUT                                                    PAGE233

 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


10477          KK   D43TR
10478          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
10479          KM   43RD & THOMAS
10480          DR   D43TR

10481          KK    R43N
10482          KM   STREET ROUTE
10483          KM   SOUTH
10484          KM   43RD Avenue
10485          RS       2    FLOW     -1.
10486          RC    0.02   0.016    0.02   2650.  0.0042
10487          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
10488          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

10489          KK  D3422W
10490          KM   RETRIEVAL OF SUB-BASIN DIVERSION
10491          KM   SUB-BASIN 34-22
10492          DR  D3422W

10493          KK    C43G
10494          KM   NORTH/SOUTH STREET COMBINE
10495          KM   43RD AVENUE
10496          HC       2  21.198

10497          KK   S43IS
10498          KM   STREET CAPACITY DIVERSION
10499          KM   43RD
10500          KM   DIVERSION TO WEST
10501          KM   100% FLOW SOUTH
10502          KM   STORM DRAIN ALONG 43RD AVE
10503          KM   CAP= 207.0 CFS SOUTH
10504          DT   S43IW
10505          DI       0  10000.
10506          DQ       0      0.

10507          KK    R43O
10508          KM   STREET ROUTE
10509          KM   SOUTH
10510          KM   43RD Avenue
10511          RS       3    FLOW     -1.
10512          RC    0.02   0.016    0.02   2600.  0.0033
10513          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
10514          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

10515          KK   CMD43
10516          KM   INTERSECTION COMBINE
10517          KM   MCDOWELL & 43RD
```


K/14PRINT

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10518          HC       2  21.198
1                                          HEC-1 INPUT                                                    PAGE234

 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

10519          KK   DMD43
10520          KM   STREET INTERSECTION DIVERSION
10521          KM   MCDOWELL & 43RD
10522          KM   0% West & 100% South
10523          KM   DIVERSION SOUTH
10524          KM   STORM DRAIN ALONG 43TH AVE
10525          KM   CAP= 207.0 CFS SOUTH
10526          DT   D43MD
10527          DI       0  10000.
10528          DQ       0  10000.

10529          KK   STR3S
10530          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
10531          KM   THOMAS
10532          DR   STR3S

10533          KK   STR4S
10534          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
10535          KM   THOMAS
10536          DR   STR4S

10537          KK  C3322N
10538          KM   SUB-BASIN COMBINE
10539          HC       3  23.666

10540          KK  R3322S
10541          KM   SUB-BASIN STREET ROUTE
10542          KM   SOUTH
10543          KM   RW= 270'
10544          KM   PAV= 183'
10545          RS       5    FLOW     -1.
10546          RC    0.02   0.016    0.02   5340.  0.0038
10547          RX       0     0.1    43.5    53.5   216.5   226.5    270.   270.1
10548          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

10549          KK   33-22
10550          KM   SUB-BASIN 33-22
10551          KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
10552          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .994
10553          KM     L = 1.21  Kb = .076  Adj. Slope =   16.0
10554          BA   1.002
10555          LG    .240    .150   8.400    .090  34.000
10556          UC   1.529    .690
10557          UA       0       5      16      30      65      77      84      90      94      97
10558          UA     100

10559          KK   S43IW
10560          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
10561          KM   43RD
10562          DR   S43IW
1                                          HEC-1 INPUT                                                    PAGE235

 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

10563          KK  C33-22
10564          KM   SUB-BASIN COMBINE
10565          HC       2  24.666

10566          KK  D3322S
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10567          KM   SUB-BASIN DIVERSION
10568          KM   SUB-BASIN 33-22
10569          KM   29% West & 71% South
10570          DT  D3322W
10571          DI       0  10000.
10572          DQ       0   2900.

10573          KK    CMD3
10574          KM   EAST/WEST STREET COMBINE
10575          HC       2  24.666

10576          KK   SMD3W
10577          KM   SPECIAL STREET CAPACITY DIVERSION DUE TO GRADE BREAK
10578          KM   MCDOWELL
10579          KM   DIVERSION TO SOUTH
10580          KM   50/50 SPLIT
10581          DT   SMD3S
10582          DI       0  10000.
10583          DQ       0   5000.

10584          KK   SMD4W
10585          KM   STREET CAPACITY DIVERSION
10586          KM   MCDOWELL
10587          DT   SMD4S
10588          DI       0      9.     36.    718.   1236.
10589          DQ       0     0.1     24.    565.    975.

10590          KK    RMD5
10591          KM   STREET ROUTE
10592          KM   WEST
10593          KM   MCDOWELL
10594          RS      11    FLOW     -1.
10595          RC    0.02   0.016    0.02   2780.  0.0002
10596          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
10597          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

10598          KK   D51TR
10599          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
10600          KM   51ST & THOMAS
10601          DR   D51TR

10602          KK    R51O
10603          KM   STREET ROUTE
10604          KM   SOUTH
10605          KM   51ST Avenue
10606          RS       3    FLOW     -1.
10607          RC    0.02   0.016    0.02   2630.  0.0037
10608          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
10609          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
```



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 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

10610          KK  D3322W
10611          KM   RETRIEVAL OF SUB-BASIN DIVERSION
10612          KM   SUB-BASIN 33-22
10613          DR  D3322W

10614          KK    C51F
10615          KM   NORTH/SOUTH STREET COMBINE
10616          KM   51ST AVENUE
10617          HC       2  24.666

10618          KK   S51JS
10619          KM   STREET CAPACITY DIVERSION
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10620          KM   51ST
10621          KM   DIVERSION TO WEST
10622          KM   STORM DRAIN ALONG 51ST AVE
10623          KM   CAP= 286.0 CFS SOUTH
10624          DT   S51JW
10625          DI       0    322.    370.   1802.   2890.
10626          DQ       0     0.1     40.    918.   1584.

10627          KK    R51P
10628          KM   STREET ROUTE
10629          KM   SOUTH
10630          KM   51ST Avenue
10631          RS       3    FLOW     -1.
10632          RC    0.02   0.016    0.02   2670.  0.0032
10633          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
10634          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

10635          KK   CMD51
10636          KM   INTERSECTION COMBINE
10637          KM   MCDOWELL & 51ST
10638          HC       2  24.666

10639          KK   DMD51
10640          KM   STREET INTERSECTION DIVERSION
10641          KM   MCDOWELL & 51ST
10642          KM   14% West & 86% South
10643          KM   DIVERSION SOUTH
10644          KM   STORM DRAIN ALONG 51ST AVE
10645          KM   CAP= 286.0 CFS SOUTH
10646          DT   D51MD
10647          DI       0    286.  10286.
10648          DQ       0    286.   8886.

10649          KK    RMD6
10650          KM   STREET ROUTE
10651          KM   WEST
10652          KM   MCDOWELL
10653          RS       5    FLOW     -1.
10654          RC    0.02   0.016    0.02   2630.  0.0010
10655          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
10656          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
```



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LINE           ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

10657          KK   STR5S
10658          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
10659          KM   THOMAS
10660          DR   STR5S

10661          KK  R3222S
10662          KM   SUB-BASIN STREET ROUTE
10663          KM   SOUTH
10664          KM   RW= 170'
10665          KM   PAV= 113'
10666          RS       5    FLOW     -1.
10667          RC    0.02   0.016    0.02   5260.  0.0032
10668          RX       0     0.1    28.5    38.5   131.5   141.5    170.   170.1
10669          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

10670          KK   32-22
10671          KM   SUB-BASIN 32-22
10672          KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
10673          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .994
10674          KM     L = 1.34  Kb = .077  Adj. Slope =   15.0
```

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10675          BA   1.005
10676          LG    .240    .150   7.600    .120  32.000
10677          UC   1.383    .668
10678          UA      0       5      16      30      65      77      84      90      94      97
10679          UA    100

10680          KK   S51JW
10681          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
10682          KM   51ST
10683          DR   S51JW

10684          KK  R3222W
10685          KM   SUB-BASIN STREET ROUTE
10686          KM   WEST
10687          KM   RW= 270'
10688          KM   PAV= 183'
10689          RS      8    FLOW     -1.
10690          RC   0.02   0.016    0.02   5270.  0.0015
10691          RX      0     0.1    43.5    53.5   216.5   226.5    270.   270.1
10692          RY    4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

10693          KK  C32-22
10694          KM   SUB-BASIN COMBINE
10695          HC      3  33.708

10696          KK  D3222S
10697          KM   SUB-BASIN DIVERSION
10698          KM   SUB-BASIN 32-22
10699          KM   57% West & 43% South
10700          DT  D3222W
10701          DI      0  10000.
10702          DQ      0   5700.
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 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

10703          KK    CMD4
10704          KM   EAST/WEST STREET COMBINE
10705          HC      2  33.708

10706          KK   SMD5W
10707          KM   STREET CAPACITY DIVERSION
10708          KM   MCDOWELL
10709          KM   DIVERSION TO SOUTH
10710          DT   SMD5S
10711          DI      0     23.     44.    740.   1269.
10712          DQ      0     0.1     15.    353.    609.

10713          KK    RMD7
10714          KM   STREET ROUTE
10715          KM   WEST
10716          KM   MCDOWELL
10717          RS      4    FLOW     -1.
10718          RC   0.02   0.016    0.02   2660.  0.0019
10719          RX   44.9     45.     66.    66.1    134.   134.1    155.   155.1
10720          RY    4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

10721          KK   D59TR
10722          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
10723          KM   59TH & THOMAS
10724          DR   D59TR

10725          KK    R59P
10726          KM   STREET ROUTE
10727          KM   SOUTH
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KC14PRINT

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10728          KM   59TH Avenue
10729          RS       2    FLOW     -1.
10730          RC    0.02   0.016    0.02   2670.  0.0039
10731          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
10732          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

10733          KK  D3222W
10734          KM   RETRIEVAL OF SUB-BASIN DIVERSION
10735          KM   SUB-BASIN 32-22
10736          DR  D3222W

10737          KK    C59H
10738          KM   NORTH/SOUTH STREET COMBINE
10739          KM   59TH AVENUE
10740          HC       2  33.708

10741          KK   S59JS
10742          KM   STREET CAPACITY DIVERSION
10743          KM   59TH
10744          KM   DIVERSION TO WEST
10745          KM   STORM DRAIN ALONG 59TH AVE
10746          KM   CAP= 448.0 CFS SOUTH
10747          DT   S59JW
10748          DI       0    484.    570.   2852.   4583.
10749          DQ       0     0.1     78.   1800.   3106.
```



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 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

10750          KK    R59Q
10751          KM   STREET ROUTE
10752          KM   SOUTH
10753          KM   59TH Avenue
10754          RS       3    FLOW     -1.
10755          RC    0.02   0.016    0.02   2600.  0.0031
10756          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
10757          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

10758          KK   CMD59
10759          KM   INTERSECTION COMBINE
10760          KM   MCDOWELL & 59TH
10761          HC       2  33.708

10762          KK   DMD59
10763          KM   STREET INTERSECTION DIVERSION
10764          KM   MCDOWELL & 59TH
10765          KM   44% West & 56% South
10766          KM   DIVERSION SOUTH
10767          KM   STORM DRAIN ALONG 59TH AVE
10768          KM   CAP= 448.0 CFS SOUTH
10769          DT   D59MD
10770          DI       0    448.  10448.
10771          DQ       0    448.   6048.

10772          KK    RMD8
10773          KM   STREET ROUTE
10774          KM   WEST
10775          KM   MCDOWELL
10776          RS       3    FLOW     -1.
10777          RC    0.02   0.016    0.02   2620.  0.0021
10778          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
10779          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

10780          KK   STR6S
10781          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
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K&T 4PRINT

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10782          KM   THOMAS
10783          DR   STR6S

10784          KK  R3122S
10785          KM   SUB-BASIN STREET ROUTE
10786          KM   SOUTH
10787          KM   RW= 170'
10788          KM   PAV= 113'
10789          RS       5    FLOW     -1.
10790          RC    0.02   0.016    0.02   5280.  0.0038
10791          RX       0     0.1    28.5    38.5   131.5   141.5    170.   170.1
10792          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0
1                                             HEC-1 INPUT                                                    PAGE240

 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


10793          KK   31-22
10794          KM   SUB-BASIN 31-22
10795          KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
10796          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .994
10797          KM     L = 1.28  Kb = .069  Adj. Slope =   16.0
10798          BA    .978
10799          LG    .250    .170   8.400    .090  25.000
10800          UC   1.188    .552
10801          UA       0       5      16      30      65      77      84      90      94      97
10802          UA     100

10803          KK   S59JW
10804          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
10805          KM   59TH
10806          DR   S59JW

10807          KK  R3122W
10808          KM   SUB-BASIN STREET ROUTE
10809          KM   WEST
10810          KM   RW= 420'
10811          KM   PAV= 288'
10812          RS       8    FLOW     -1.
10813          RC    0.02   0.016    0.02   5200.  0.0013
10814          RX       0     0.1    66.0    76.0   344.0   354.0    420.   420.1
10815          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

10816          KK  C31-22
10817          KM   SUB-BASIN COMBINE
10818          HC       3  43.820

10819          KK  D3122S
10820          KM   SUB-BASIN DIVERSION
10821          KM   SUB-BASIN 31-22
10822          KM   52% West & 48% South
10823          DT  D3122W
10824          DI       0  10000.
10825          DQ       0   5200.

10826          KK    CMD5
10827          KM   EAST/WEST STREET COMBINE
10828          HC       2  43.820

10829          KK   SMD6W
10830          KM   STREET CAPACITY DIVERSION
10831          KM   MCDOWELL
10832          KM   DIVERSION TO SOUTH
10833          KM   STORM DRAIN ALONG McDOWELL RD.
10834          KM   CAP=  48.0 CFS WEST
10835          DT   SMD6S
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10836          DI       0     72.     87.    660.   1096.
10837          DQ       0    0.1      9.    212.    365.
1                                            HEC-1 INPUT                                                    PAGE241

 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


10838          KK    RMD9
10839          KM   STREET ROUTE
10840          KM   WEST
10841          KM   MCDOWELL
10842          RS       5    FLOW     -1.
10843          RC    0.02   0.016    0.02   2530.  0.0009
10844          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
10845          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

10846          KK   D67TR
10847          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
10848          KM   67TH & THOMAS
10849          DR   D67TR

10850          KK    R67P
10851          KM   STREET ROUTE
10852          KM   SOUTH
10853          KM   67TH Avenue
10854          RS       3    FLOW     -1.
10855          RC    0.02   0.016    0.02   2650.  0.0037
10856          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
10857          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

10858          KK  D3122W
10859          KM   RETRIEVAL OF SUB-BASIN DIVERSION
10860          KM   SUB-BASIN 31-22
10861          DR  D3122W

10862          KK    C67H
10863          KM   NORTH/SOUTH STREET COMBINE
10864          KM   67TH AVENUE
10865          HC       2  43.820

10866          KK   S67JS
10867          KM   STREET CAPACITY DIVERSION
10868          KM   67TH
10869          KM   DIVERSION TO WEST
10870          KM   STORM DRAIN ALONG 67TH AVE
10871          KM   CAP= 532.0 CFS SOUTH
10872          DT   S67JW
10873          DI       0    569.    648.   2771.   4383.
10874          DQ       0     0.1     70.   1624.   2802.

10875          KK    R67Q
10876          KM   STREET ROUTE
10877          KM   SOUTH
10878          KM   67TH Avenue
10879          RS       3    FLOW     -1.
10880          RC    0.02   0.016    0.02   2640.  0.0035
10881          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
10882          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
1                                            HEC-1 INPUT                                                    PAGE242

 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


10883          KK   CMD67
10884          KM   INTERSECTION COMBINE
10885          KM   MCDOWELL & 67TH
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10886          HC      2  43.820

10887          KK   DMD67
10888          KM   STREET INTERSECTION DIVERSION
10889          KM   MCDOWELL & 67TH
10890          KM   41% West & 59% South
10891          KM   DIVERSION SOUTH
10892          KM   STORM DRAIN ALONG 67TH AVE
10893          KM   CAP= 532.0 CFS SOUTH
10894          DT   D67MD
10895          DI       0    532.  10532.
10896          DQ       0    532.   6432.

10897          KK   RMD10
10898          KM   STREET ROUTE
10899          KM   WEST
10900          KM   MCDOWELL
10901          RS       4    FLOW     -1.
10902          RC    0.02   0.016    0.02   2630.  0.0013
10903          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
10904          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

10905          KK   STR7S
10906          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
10907          KM   THOMAS
10908          DR   STR7S

10909          KK  R3621S
10910          KM   SUB-BASIN STREET ROUTE
10911          KM   SOUTH
10912          KM   RW= 170'
10913          KM   PAV= 113'
10914          RS       5    FLOW     -1.
10915          RC    0.02   0.016    0.02   5290.  0.0032
10916          RX       0     0.1    28.5    38.5   131.5   141.5    170.   170.1
10917          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

10918          KK   36-21
10919          KM   SUB-BASIN 36-21
10920          KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
10921          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .994
10922          KM     L = 1.36  Kb = .073  Adj. Slope =   16.0
10923          BA   1.003
10924          LG    .260    .160   7.600    .120  28.000
10925          UC   1.313    .639
10926          UA       0       5      16      30      65      77      84      90      94      97
10927          UA     100
```



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 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

10928          KK   S67JW
10929          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
10930          KM   67TH
10931          DR   S67JW

10932          KK  R3621W
10933          KM   SUB-BASIN STREET ROUTE
10934          KM   WEST
10935          KM   RW= 420'
10936          KM   PAV= 228'
10937          RS       7    FLOW     -1.
10938          RC    0.02   0.016    0.02   5330.  0.0018
10939          RX       0     0.1    96.0   106.0   314.0   324.0    420.   420.1
10940          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0
```

```
10941          KK  C36-21
10942          KM   SUB-BASIN COMBINE
10943          HC       3  46.343

10944          KK  D3621S
10945          KM   SUB-BASIN DIVERSION
10946          KM   SUB-BASIN 36-21
10947          KM   30% West & 70% South
10948          DT  D3621W
10949          DI       0  10000.
10950          DQ       0   3000.

10951          KK    CMD6
10952          KM   EAST/WEST STREET COMBINE
10953          HC       2  46.434

10954          KK   SMD7W
10955          KM   STREET CAPACITY DIVERSION
10956          KM   MCDOWELL
10957          KM   DIVERSION TO SOUTH
10958          DT   SMD7S
10959          DI       0     24.     37.    575.    983.
10960          DQ       0     0.1      8.    177.    305.

10961          KK   RMD11
10962          KM   STREET ROUTE
10963          KM   WEST
10964          KM   MCDOWELL
10965          RS       4    FLOW     -1.
10966          RC    0.02   0.016    0.02   2640.  0.0017
10967          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
10968          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

10969          KK   D75TR
10970          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
10971          KM   75TH & THOMAS
10972          DR   D75TR
```



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 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

10973          KK    R75R
10974          KM   STREET ROUTE
10975          KM   SOUTH
10976          KM   75TH Avenue
10977          RS       3    FLOW     -1.
10978          RC    0.02   0.016    0.02   2660.  0.0027
10979          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
10980          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

10981          KK  D3621W
10982          KM   RETRIEVAL OF SUB-BASIN DIVERSION
10983          KM   SUB-BASIN 36-21
10984          DR  D3621W

10985          KK    C75H
10986          KM   NORTH/SOUTH STREET COMBINE
10987          KM   75TH AVENUE
10988          HC       2  46.343

10989          KK   S75KS
10990          KM   STREET CAPACITY DIVERSION
10991          KM   75TH
10992          KM   DIVERSION TO WEST
```


K/14PRINT

```
10993          KM   STORM DRAIN ALONG 75TH AVE
10994          KM   CAP= 467.0 CFS SOUTH
10995          DT   S75KW
10996          DI       0    499.    516.   1218.   1752.
10997          DQ       0     0.1      9.    218.    365.

10998          KK    R75S
10999          KM   STREET ROUTE
11000          KM   SOUTH
11001          KM   75TH Avenue
11002          RS       3    FLOW     -1.
11003          RC    0.02   0.016    0.02   2650.  0.0028
11004          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
11005          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

11006          KK   CMD75
11007          KM   INTERSECTION COMBINE
11008          KM   MCDOWELL & 75TH
11009          HC       2  46.343

11010          KK   DMD75
11011          KM   STREET INTERSECTION DIVERSION
11012          KM   MCDOWELL & 75TH
11013          KM   35% West & 65% South
11014          KM   DIVERSION SOUTH
11015          KM   STORM DRAIN ALONG 75TH AVE
11016          KM   CAP= 467.0 CFS SOUTH
11017          DT   D75MD
11018          DI       0    467.  10467.
11019          DQ       0    467.   6957.
```



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 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

11020          KK   RMD12
11021          KM   STREET ROUTE
11022          KM   WEST
11023          KM   MCDOWELL
11024          RS       3    FLOW     -1.
11025          RC    0.02   0.016    0.02   2630.  0.0026
11026          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
11027          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

11028          KK   STR8S
11029          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
11030          KM   THOMAS
11031          DR   STR8S

11032          KK  R3521S
11033          KM   SUB-BASIN STREET ROUTE
11034          KM   SOUTH
11035          KM   RW= 50'
11036          KM   PAV= 35'
11037          RS       6    FLOW     -1.
11038          RC    0.02   0.016    0.02   5150.  0.0027
11039          RX       0     0.1     7.5    17.5    32.5    42.5     50.    50.1
11040          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

11041          KK   35-21
11042          KM   SUB-BASIN 35-21
11043          KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
11044          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .994
11045          KM     L = 1.04  Kb = .065  Adj. Slope =   14.0
11046          BA    .991
11047          LG    .400    .160   8.800    .090  12.000
```

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11048          UC   1.050    .405
11049          UA       0       5      16      30      65      77      84      90      94      97
11050          UA     100

11051          KK   RET35
11052          KM   RETENTION BASIN DIVERSION
11053          KM   SUB-BASIN 35-21
11054          KM   28% OF SUB-BASIN DRAINS TO RETENTION BASIN
11055          DT  D3521R   32.06
11056          DI       0  10000.
11057          DQ       0   2800.

11058          KK   S75KW
11059          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
11060          KM   75TH
11061          DR   S75KW

11062          KK  R3521W
11063          KM   SUB-BASIN STREET ROUTE
11064          KM   WEST
11065          KM   RW= 50'
11066          KM   PAV= 35'
11067          RS       6    FLOW     -1.
1                                        HEC-1 INPUT                                          PAGE246

 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

11068          RC    0.02   0.016    0.02   5220.  0.0027
11069          RX       0     0.1     7.5    17.5    32.5    42.5     50.    50.1
11070          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

11071          KK  C35-21
11072          KM   SUB-BASIN COMBINE
11073          HC       3  58.412

11074          KK  D3521S
11075          KM   SUB-BASIN DIVERSION
11076          KM   SUB-BASIN 35-21
11077          KM   42% West & 58% South
11078          DT  D3521W
11079          DI       0  10000.
11080          DQ       0   4200.

11081          KK    CMD7
11082          KM   EAST/WEST STREET COMBINE
11083          HC       2  58.412

11084          KK   SMD8W
11085          KM   STREET CAPACITY DIVERSION
11086          KM   MCDOWELL
11087          KM   DIVERSION TO SOUTH
11088          DT   SMD8S
11089          DI       0     31.     46.    692.   1183.
11090          DQ       0     0.1      8.    177.    305.

11091          KK   RMD13
11092          KM   STREET ROUTE
11093          KM   WEST
11094          KM   MCDOWELL
11095          RS       3    FLOW     -1.
11096          RC    0.02   0.016    0.02   2680.  0.0025
11097          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
11098          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

11099          KK   D83TR
11100          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
```

```
11101          KM   83RD & THOMAS
11102          DR   D83TR

11103          KK    R83R
11104          KM   STREET ROUTE
11105          KM   SOUTH
11106          KM   83RD Avenue
11107          RS       3    FLOW     -1.
11108          RC    0.02   0.016    0.02   2640.  0.0032
11109          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
11110          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
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LINE           ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

11111          KK  D3521W
11112          KM   RETRIEVAL OF SUB-BASIN DIVERSION
11113          KM   SUB-BASIN 35-21
11114          DR  D3521W

11115          KK    C83I
11116          KM   NORTH/SOUTH STREET COMBINE
11117          KM   83RD AVENUE
11118          HC       2  66.127

11119          KK   S83JS
11120          KM   STREET CAPACITY DIVERSION
11121          KM   83RD
11122          KM   DIVERSION TO WEST
11123          KM   STORM DRAIN ALONG 83RD AVE
11124          KM   CAP= 243.0 CFS SOUTH
11125          DT   S83JW
11126          DI       0    276.    300.   1178.   1844.
11127          DQ       0     0.1     17.    388.    670.

11128          KK    R83S
11129          KM   STREET ROUTE
11130          KM   SOUTH
11131          KM   83RD Avenue
11132          RS       3    FLOW     -1.
11133          RC    0.02   0.016    0.02   2640.  0.0025
11134          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
11135          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

11136          KK   CMD83
11137          KM   INTERSECTION COMBINE
11138          KM   MCDOWELL & 83TH
11139          HC       2  66.127

11140          KK   DMD83
11141          KM   STREET INTERSECTION DIVERSION
11142          KM   MCDOWELL & 83RD
11143          KM   62% West & 38% South
11144          KM   DIVERSION SOUTH
11145          KM   STORM DRAIN ALONG 83RD AVE
11146          KM   CAP= 243.0 CFS SOUTH
11147          DT   D83MD
11148          DI       0    243.  10243.
11149          DQ       0    243.   4023.

11150          KK   RMD14
11151          KM   STREET ROUTE
11152          KM   WEST
11153          KM   MCDOWELL
11154          RS       3    FLOW     -1.
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11155          RC    0.02   0.016    0.02   2620.  0.0028
11156          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
11157          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
1                                          HEC-1 INPUT                                                    PAGE248

 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


11158          KK   STR9S
11159          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
11160          KM   THOMAS
11161          DR   STR9S

11162          KK  R3421S
11163          KM   SUB-BASIN STREET ROUTE
11164          KM   SOUTH
11165          KM   RW= 170'
11166          KM   PAV= 113'
11167          RS       7    FLOW     -1.
11168          RC    0.02   0.016    0.02   6140.  0.0026
11169          RX       0     0.1    28.5    38.5   131.5   141.5    170.   170.1
11170          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

11171          KK   34-21
11172          KM   SUB-BASIN 34-21
11173          KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
11174          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .994
11175          KM     L = 1.48  Kb = .062  Adj. Slope =   14.0
11176          BA   1.006
11177          LG    .260    .180   8.800    .070  22.000
11178          UC   1.288    .668
11179          UA       0       5      16      30      65      77      84      90      94      97
11180          UA     100

11181          KK   S83JW
11182          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
11183          KM   83RD
11184          DR   S83JW

11185          KK  R3421W
11186          KM   SUB-BASIN STREET ROUTE
11187          KM   WEST
11188          KM   RW= 120'
11189          KM   PAV= 78'
11190          RS       7    FLOW     -1.
11191          RC    0.02   0.016    0.02   5460.  0.0023
11192          RX       0     0.1    21.0    31.0    89.0    99.0    120.   120.1
11193          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

11194          KK  C34-21
11195          KM   SUB-BASIN COMBINE
11196          HC       3  75.397

11197          KK  D3421S
11198          KM   SUB-BASIN DIVERSION
11199          KM   SUB-BASIN 34-21
11200          KM   55% West & 45% South
11201          DT  D3421W
11202          DI       0  10000.
11203          DQ       0   5500.
1                                          HEC-1 INPUT                                                    PAGE249

 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


11204          KK    CMD8
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11205          KM   EAST/WEST STREET COMBINE
11206          HC       2  75.397

11207          KK   SMD9W
11208          KM   STREET CAPACITY DIVERSION
11209          KM   MCDOWELL
11210          KM   DIVERSION TO SOUTH
11211          DT   SMD9S
11212          DI       0     28.     43.    645.   1104.
11213          DQ       0     0.1      8.    177.    305.

11214          KK   RMD15
11215          KM   STREET ROUTE
11216          KM   WEST
11217          KM   MCDOWELL
11218          RS       4    FLOW     -1.
11219          RC    0.02   0.016    0.02   2560.  0.0014
11220          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
11221          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

11222          KK   D91TR
11223          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
11224          KM   91ST & THOMAS
11225          DR   D91TR

11226          KK    R91O
11227          KM   STREET ROUTE
11228          KM   SOUTH
11229          KM   91ST Avenue
11230          RS       3    FLOW     -1.
11231          RC    0.02   0.016    0.02   2650.  0.0023
11232          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
11233          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

11234          KK  D3421W
11235          KM   RETRIEVAL OF SUB-BASIN DIVERSION
11236          KM   SUB-BASIN 34-21
11237          DR  D3421W

11238          KK    C91H
11239          KM   NORTH/SOUTH STREET COMBINE
11240          KM   91ST AVENUE
11241          HC       2  75.397

11242          KK   S91HS
11243          KM   STREET CAPACITY DIVERSION
11244          KM   91ST
11245          KM   DIVERSION TO WEST
11246          KM   STORM DRAIN ALONG 91ST AVE
11247          KM   CAP= 380.0 CFS SOUTH
11248          DT   S91HW
11249          DI       0    408.    425.   1067.   1556.
11250          DQ       0     0.1      9.    212.    365.
```



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 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

11251          KK    R91P
11252          KM   STREET ROUTE
11253          KM   SOUTH
11254          KM   91ST Avenue
11255          RS       4    FLOW     -1.
11256          RC    0.02   0.016    0.02   2700.  0.0020
11257          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
11258          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
```


1C/4PRINT

```
11259          KK   CMD91
11260          KM   INTERSECTION COMBINE
11261          KM   MCDOWELL & 91ST
11262          HC       2  75.397

11263          KK   DMD91
11264          KM   STREET INTERSECTION DIVERSION
11265          KM   MCDOWELL & 91ST
11266          KM   42% West & 58% South
11267          KM   DIVERSION SOUTH
11268          KM   STORM DRAIN ALONG 91ST AVE
11269          KM   CAP= 380.0 CFS SOUTH
11270          DT   D91MD
11271          DI       0    380.  10380.
11272          DQ       0    380.   6180.

11273          KK   RMD16
11274          KM   STREET ROUTE
11275          KM   WEST
11276          KM   MCDOWELL
11277          RS       6    FLOW     -1.
11278          RC    0.02   0.016    0.02   2660.  0.0006
11279          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
11280          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

11281          KK  STR10S
11282          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
11283          KM   THOMAS
11284          DR  STR10S

11285          KK  R3321S
11286          KM   SUB-BASIN STREET ROUTE
11287          KM   SOUTH
11288          KM   RW= 50'
11289          KM   PAV= 35'
11290          RS       7    FLOW     -1.
11291          RC    0.02   0.016    0.02   5160.  0.0019
11292          RX       0     0.1     7.5    17.5    32.5    42.5     50.    50.1
11293          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0
```



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 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

11294          KK   33-21
11295          KM   SUB-BASIN 33-21
11296          KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
11297          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .994
11298          KM     L = 1.32  Kb = .077  Adj. Slope =    7.0
11299          BA    .991
11300          LG    .480    .140   9.700    .070   4.000
11301          UC   1.500    .728
11302          UA       0       5      16      30      65      77      84      90      94      97
11303          UA     100

11304          KK   S91HW
11305          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
11306          KM   91ST
11307          DR   S91HW

11308          KK  R3321W
11309          KM   SUB-BASIN STREET ROUTE
11310          KM   WEST
11311          KM   RW= 50'
11312          KM   PAV= 35'
```

```
11313   RS      11    FLOW     -1.
11314   RC    0.02   0.016    0.02   5300.  0.0008
11315   RX       0     0.1     7.5    17.5    32.5    42.5     50.    50.1
11316   RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

11317   KK  C33-21
11318   KM   SUB-BASIN COMBINE
11319   HC       3  81.256

11320   KK  D3321S
11321   KM   SUB-BASIN DIVERSION
11322   KM   SUB-BASIN 33-21
11323   KM   62% West & 38% South
11324   DT  D3321W
11325   DI       0  10000.
11326   DQ       0   6200.

11327   KK   RES33
11328   KM   PONDING AREA RESERVOIR ROUTE
11329   KM   PONDING AREA NORTHEAST OF RID CANAL
11330   KM   SUB-BASIN 33-21
11331   RS       1    ELEV   1122.
11332   SV       0   64.70  177.70  256.70  350.83
11333   SE   1122.   1123.   1124.  1124.5   1125.
11334   SQ      0.     0.1   1355.   7170.  31884.

11335   KK    CMD9
11336   KM   EAST/WEST STREET COMBINE
11337   HC       2  81.256
```



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 LINE   ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

11338   KK  SMD10W
11339   KM   STREET CAPACITY DIVERSION
11340   KM   MCDOWELL
11341   KM   DIVERSION TO SOUTH
11342   DT  SMD10S
11343   DI       0     15.     28.    467.    800.
11344   DQ       0     0.1      9.    212.    365.

11345   KK  RMD16A
11346   KM   STREET ROUTE
11347   KM   WEST
11348   KM   MCDOWELL
11349   RS       6    FLOW     -1.
11350   RC    0.02   0.016    0.02   2660.  0.0006
11351   RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
11352   RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

11353   KK   D99TR
11354   KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
11355   KM   99TH & THOMAS
11356   DR   D99TR

11357   KK    R99J
11358   KM   STREET ROUTE
11359   KM   SOUTH
11360   KM   99TH Avenue
11361   RS       9    FLOW     -1.
11362   RC    0.02   0.016    0.02   2690.  0.0003
11363   RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
11364   RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

11365   KK  D3321W
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11366          KM   RETRIEVAL OF SUB-BASIN DIVERSION
11367          KM   SUB-BASIN 33-21
11368          DR  D3321W

11369          KK    C99E
11370          KM   NORTH/SOUTH STREET COMBINE
11371          KM   99TH AVENUE
11372          HC       2  81.256

11373          KK   S99ES
11374          KM   STREET CAPACITY DIVERSION
11375          KM   99TH
11376          KM   DIVERSION TO WEST
11377          DT   S99EW
11378          DI       0     19.     31.    490.    838.
11379          DQ       0     0.1      7.    177.    305.
1                                           HEC-1 INPUT                                                    PAGE253

 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


11380          KK    R99K
11381          KM   STREET ROUTE
11382          KM   SOUTH
11383          KM   99TH Avenue
11384          RS       4    FLOW     -1.
11385          RC    0.02   0.016    0.02   2640.  0.0016
11386          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
11387          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

11388          KK   CMD99
11389          KM   INTERSECTION COMBINE
11390          KM   MCDOWELL & 99TH
11391          HC       2  81.256

11392          KK   DMD99
11393          KM   STREET INTERSECTION DIVERSION
11394          KM   MCDOWELL & 99TH
11395          KM   28% West & 72% South
11396          DT   D99MD
11397          DI       0  10000.
11398          DQ       0   7200.

11399          KK   RMD17
11400          KM   STREET ROUTE
11401          KM   WEST
11402          KM   MCDOWELL
11403          RS       4    FLOW     -1.
11404          RC    0.02   0.016    0.02   2660.  0.0018
11405          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
11406          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

11407          KK  32-21E
11408          KM   SUB-BASIN 32-21E
11409          KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
11410          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .999
11411          KM     L =  .49  Kb = .088  Adj. Slope =   10.0
11412          BA    .243
11413          LG    .450    .140   9.700    .070  10.000
11414          UC    .871    .402
11415          UA       0       5      16      30      65      77      84      90      94      97
11416          UA     100

11417          KK   S99EW
11418          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
11419          KM   99TH AVENUE
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11420          DR   S99EW

11421          KK  C3221E
11422          KM   SUB-BASIN COMBINE
11423          HC       2  81.499
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 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


11424          KK  RES32E
11425          KM   PONDING AREA RESERVOIR ROUTE
11426          KM   PONDING AREA EAST OF RID CANAL
11427          KM   SUB-BASIN 32-21E
11428          RS       1    ELEV   1020.
11429          SV       0   15.73   25.07   35.38   85.58
11430          SE   1020.   1021.  1021.5   1022.   1023.
11431          SQ      0.     0.1   1069.   3077   11170.

11432          KK  32-21W
11433          KM   SUB-BASIN 32-21W
11434          KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
11435          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .995
11436          KM     L =  .90  Kb = .079  Adj. Slope =    1.0
11437          BA    .772
11438          LG    .470    .150   8.800    .090   5.000
11439          UC   1.000    .394
11440          UA       0       5      16      30      65      77      84      90      94      97
11441          UA     100

11442          KK  C3221W
11443          KM   SUB-BASIN COMBINE
11444          HC       2  82.271

11445          KK  D3221S
11446          KM   SUB-BASIN DIVERSION
11447          KM   SUB-BASIN 32-21W
11448          KM   94% West & 6% South
11449          DT  D3221W
11450          DI       0  10000.
11451          DQ       0   9400.

11452          KK   CMD10
11453          KM   EAST/WEST STREET COMBINE
11454          HC       2  82.271

11455          KK  SMD11W
11456          KM   STREET CAPACITY DIVERSION
11457          KM   MCDOWELL
11458          KM   DIVERSION TO SOUTH
11459          DT  SMD11S
11460          DI       0     28.     42.    639.   1092.
11461          DQ       0     0.1      8.    177.    305.

11462          KK   RMD18
11463          KM   STREET ROUTE
11464          KM   WEST
11465          KM   MCDOWELL
11466          RS       3    FLOW     -1.
11467          RC    0.02   0.016    0.02   2620.  0.0023
11468          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
11469          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
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 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10
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KC/14PRINT

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11470          KK  D107TR
11471          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
11472          KM   107TH & THOMAS
11473          DR  D107TR

11474          KK  D3221W
11475          KM   RETRIEVAL OF SUB-BASIN DIVERSION
11476          KM   SUB-BASIN 32-21W
11477          DR  D3221W

11478          KK   C107D
11479          KM   NORTH/SOUTH STREET COMBINE
11480          KM   107TH AVENUE
11481          HC       2  85.017

11482          KK  S107BS
11483          KM   STREET CAPACITY DIVERSION
11484          KM   107TH AVENUE
11485          KM   DIVERSION TO WEST
11486          KM   100% FLOW TO SOUTH
11487          DT  S107BW
11488          DI       0  10000.
11489          DQ       0     0.1

11490          KK   R107D
11491          KM   CHANNEL ROUTE ALONG THE WEST SIDE OF 107TH AVENUE
11492          KM   SOUTH
11493          RS       4    FLOW     -1.
11494          RC    0.02   0.016    0.02   2640.  0.0023
11495          RX     0.0     0.1      4.     8.0     12.    16.0    19.1     20.
11496          RY     8.0     7.9     4.0     0.0     0.0     4.0     7.9     8.0

11497          KK  CMD107
11498          KM   INTERSECTION COMBINE
11499          KM   MCDOWELL & 107TH
11500          HC       2  85.017

11501          KK  DMD107
11502          KM   STREET INTERSECTION DIVERSION
11503          KM   MCDOWELL & 107TH
11504          KM   100% West & 0% South
11505          DT  D107MD
11506          DI       0  10000.
11507          DQ       0  10000.

11508          KK   RMD19
11509          KM   STREET ROUTE
11510          KM   WEST
11511          KM   MCDOWELL
11512          RS       3    FLOW     -1.
11513          RC    0.02   0.016    0.02   2650.  0.0020
11514          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
11515          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
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 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

11516          KK  STR11S
11517          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
11518          KM   THOMAS
11519          DR  STR11S

11520          KK  R3121S
11521          KM   SUB-BASIN STREET ROUTE
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11522          KM   SOUTH
11523          KM   RW= 50'
11524          KM   PAV= 35'
11525          RS      11    FLOW     -1.
11526          RC    0.02   0.016    0.02   5340.  0.0008
11527          RX       0     0.1     7.5    17.5    32.5    42.5     50.    50.1
11528          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

11529          KK   31-21
11530          KM   SUB-BASIN 31-21
11531          KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
11532          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .994
11533          KM     L = 1.20  Kb = .080  Adj. Slope =    9.0
11534          BA    .965
11535          LG    .500    .150   8.000    .130    .000
11536          UC   1.500    .685
11537          UA       0       5      16      30      65      77      84      90      94      97
11538          UA     100

11539          KK  S107BW
11540          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
11541          KM   107TH
11542          DR  S107BW

11543          KK  C31-21
11544          KM   SUB-BASIN COMBINE
11545          HC       3  86.731

11546          KK  D3121S
11547          KM   SUB-BASIN DIVERSION
11548          KM   SUB-BASIN 31-21
11549          KM   60% West & 40% South
11550          DT  D3121W
11551          DI       0  10000.
11552          DQ       0   6000.

11553          KK   CMD11
11554          KM   EAST/WEST STREET COMBINE
11555          HC       2  86.731

11556          KK  SMD12W
11557          KM   STREET CAPACITY DIVERSION
11558          KM   MCDOWELL
11559          KM   DIVERSION TO SOUTH
11560          DT  SMD12S
11561          DI       0     29.     45.    672.   1149.
11562          DQ       0     0.1      8.    177.    305.
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 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

11563          KK   RMD20
11564          KM   STREET ROUTE
11565          KM   WEST
11566          KM   MCDOWELL
11567          RS       3    FLOW     -1.
11568          RC    0.02   0.016    0.02   2450.  0.0027
11569          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
11570          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

11571          KK  D115TR
11572          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
11573          KM   115TH & THOMAS
11574          DR  D115TR
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11575          KK   R115A
11576          KM   STREET ROUTE
11577          KM   SOUTH
11578          KM   115TH Avenue
11579          RS       3    FLOW     -1.
11580          RC    0.02   0.016    0.02   2650.  0.0021
11581          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
11582          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

11583          KK  D3121W
11584          KM   RETRIEVAL OF SUB-BASIN DIVERSION
11585          KM   SUB-BASIN 31-21
11586          DR  D3121W

11587          KK   C115A
11588          KM   NORTH/SOUTH STREET COMBINE
11589          KM   115TH AVENUE
11590          HC       2  86.731

11591          KK  S115AS
11592          KM   STREET CAPACITY DIVERSION
11593          KM   115TH
11594          KM   DIVERSION TO WEST
11595          DT  S115AW
11596          DI       0     26.     41.    645.   1104.
11597          DQ       0     0.1      9.    212.    365.

11598          KK   R115B
11599          KM   STREET ROUTE
11600          KM   SOUTH
11601          KM   115TH Avenue
11602          RS       4    FLOW     -1.
11603          RC    0.02   0.016    0.02   2630.  0.0015
11604          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
11605          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3
```



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 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

11606          KK  CMD115
11607          KM   INTERSECTION COMBINE
11608          KM   MCDOWELL & 115TH
11609          HC       2  86.731

11610          KK  DMD115
11611          KM   STREET INTERSECTION DIVERSION
11612          KM   MCDOWELL & 115TH
11613          KM   41% West & 59% South
11614          DT  D115MD
11615          DI       0  10000.
11616          DQ       0   5900.

11617          KK   RMD21
11618          KM   STREET ROUTE
11619          KM   WEST
11620          KM   MCDOWELL
11621          RS       4    FLOW     -1.
11622          RC    0.02   0.016    0.02   2650.  0.0018
11623          RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
11624          RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

11625          KK  36-W21
11626          KM   SUB-BASIN 36-W21
11627          KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
11628          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .995
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11629   KM    L =  .92  Kb = .070  Adj. Slope =   27.0
11630   BA   .837
11631   LG   .400    .210   5.400    .340  20.000
11632   UC   .837    .315
11633   UA     0       5      16      30      65      77      84      90      94      97
11634   UA   100

11635   KK  S115AW
11636   KM   RETRIEVAL OF STREET CAPACITY DIVERSION
11637   KM   115TH
11638   DR  S115AW

11639   KK  R3621A
11640   KM   SUB-BASIN STREET ROUTE
11641   KM   WEST
11642   KM   RW= 70'
11643   KM   PAV= 43'
11644   RS       2    FLOW     -1.
11645   RC    0.02   0.016    0.02   3400.  0.0066
11646   RX       0     0.1    13.5    23.5    46.5    56.5     70.    70.1
11647   RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

11648   KK  C36W21
11649   KM   SUB-BASIN COMBINE
11650   HC       2  87.567
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 LINE   ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

11651   KK  D36W21
11652   KM   SUB-BASIN DIVERSION
11653   KM   SUB-BASIN 36-W21
11654   KM   66% West & 34% South
11655   DT  D36S21
11656   DI       0  10000.
11657   DQ       0   6600.

11658   KK   CMD12
11659   KM   EAST/WEST STREET COMBINE
11660   HC       2  87.567

11661   KK  SMD13W
11662   KM   STREET CAPACITY DIVERSION
11663   KM   MCDOWELL
11664   KM   DIVERSION TO SOUTH
11665   DT  SMD13S
11666   DI       0     35.     59.    942.   1613.
11667   DQ       0     0.1     15.    353.    609.

11668   KK   RMD22
11669   KM   STREET ROUTE
11670   KM   WEST
11671   KM   MCDOWELL
11672   RS       4    FLOW     -1.
11673   RC    0.02   0.016    0.02   4840.  0.0041
11674   RX    44.9     45.     66.    66.1    134.   134.1    155.   155.1
11675   RY     4.3     0.3     0.3     0.0     0.0     0.3     0.3     4.3

11676   KK  D36S21
11677   KM   RETRIEVAL OF SUB-BASIN DIVERSION
11678   KM   SUB-BASIN 36-W21
11679   DR  D36S21

11680   KK   NULL9
11681   KM   COMBINE FLOWS FROM MCDOWELL COMPUTATIONAL PATH WITH THOMAS
```


1<7 4PRINT

```
11682          HC       3     1.
               *
               *  I-10 COMPUTATIONAL PATH
               *

11683          KK   D27MD
11684          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
11685          KM   27TH & MCDOWELL
11686          DR   D27MD

11687          KK    1-12
11688          KM   SUB-BASIN 1-12
11689          KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
11690          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .999
11691          KM     L =  .45  Kb = .029  Adj. Slope =   18.0
11692          BA    .099
11693          LG    .110    .260   5.600    .270  71.000
11694          UC    .296    .189
1                                        HEC-1 INPUT                                          PAGE260

 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

11695          UA       0       5      16      30      65      77      84      90      94      97
11696          UA     100

11697          KK   C1-12
11698          KM   SUB-BASIN COMBINE
11699          HC       2  17.358

11700          KK   DI10A
11701          KM   INTERSECTION DIVERSION
11702          KM   I-10 & 27TH
11703          KM   100% West & 0% South
11704          KM   DIVERSION SOUTH
11705          KM   STORM DRAIN ALONG 27TH AVE
11706          KM   CAP= 131.0 CFS SOUTH
11707          DT   DA1I0
11708          DI       0    131.  10131.
11709          DQ       0    131.    131.

11710          KK   R212W
11711          KM   SUB-BASIN STREET ROUTE
11712          KM   WEST
11713          KM   RW= 50'
11714          KM   PAV= 35'
11715          RS      15    FLOW     -1.
11716          RC    0.02   0.016    0.02   5300.  0.0004
11717          RX       0     0.1     7.5    17.5    32.5    42.5     50.    50.1
11718          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

11719          KK   D35MD
11720          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
11721          KM   35TH & MCDOWELL
11722          DR   D35MD

11723          KK   SMD1S
11724          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
11725          KM   MCDOWELL
11726          DR   SMD1S

11727          KK   R212S
11728          KM   SUB-BASIN STREET ROUTE
11729          KM   SOUTH
11730          KM   RW= 270'
11731          KM   PAV= 183'
11732          RS       4    FLOW     -1.
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```
11733          RC    0.02   0.016    0.02   3590.  0.0027
11734          RX       0     0.1    43.5    53.5   216.5   226.5    270.   270.1
11735          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

11736          KK    2-12
11737          KM   SUB-BASIN 2-12
11738          KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
11739          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .999
11740          KM     L =  .70  Kb = .050  Adj. Slope =   14.0
11741          BA    .229
11742          LG    .160    .140  10.100    .040  53.000
1                                          HEC-1 INPUT                                                    PAGE261

 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

11743          UC    .613    .374
11744          UA       0       5      16      30      65      77      84      90      94      97
11745          UA     100

11746          KK   C2-12
11747          KM   SUB-BASIN COMBINE
11748          HC       4  19.056

11749          KK   DI10B
11750          KM   INTERSECTION DIVERSION
11751          KM   I-10 & 35TH
11752          KM   100% West & 0% South
11753          DT   DBI10
11754          DI       0  10000.
11755          DQ       0     0.1

11756          KK   R312W
11757          KM   SUB-BASIN STREET ROUTE
11758          KM   WEST
11759          KM   RW= 100'
11760          KM   PAV= 70'
11761          RS      12    FLOW     -1.
11762          RC    0.02   0.016    0.02   5430.  0.0007
11763          RX       0     0.1    15.0    25.0    75.0    85.0    100.   100.1
11764          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

11765          KK   D43MD
11766          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
11767          KM   43RD & MCDOWELL
11768          DR   D43MD

11769          KK   SMD2S
11770          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
11771          KM   MCDOWELL
11772          DR   SMD2S

11773          KK   R312S
11774          KM   SUB-BASIN STREET ROUTE
11775          KM   SOUTH
11776          KM   RW= 220'
11777          KM   PAV= 148'
11778          RS       6    FLOW     -1.
11779          RC    0.02   0.016    0.02   3840.  0.0015
11780          RX       0     0.1    36.0    46.0   174.0   184.0    220.   220.1
11781          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

11782          KK    3-12
11783          KM   SUB-BASIN 3-12
11784          KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
11785          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .999
11786          KM     L =  .72  Kb = .081  Adj. Slope =    7.0
```

```
11787          BA    .241
11788          LG    .220     .150   9.700    .060  44.000
11789          UC   1.237     .811
11790          UA      0        5      16      30      65      77      84      90      94      97
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 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

11791          UA     100

11792          KK   C3-12
11793          KM   SUB-BASIN COMBINE
11794          HC       4  21.767

11795          KK   DI10C
11796          KM   INTERSECTION DIVERSION
11797          KM   I-10 & 43RD
11798          KM   100% West & 0% South
11799          KM   DIVERSION SOUTH
11800          KM   STORM DRAIN ALONG 43RD AVE
11801          KM   CAP= 207.0 CFS SOUTH
11802          DT   DC11O
11803          DI       0    207.  10207.
11804          DQ       0    207.    207.

11805          KK   R412W
11806          KM   I-10 CHANNEL ROUTE
11807          KM   WEST
11808          KM   BOTTOM WIDTH = 30'
11809          KM   TOP WIDTH = 100'
11810          KM   DEPTH = 18'
11811          KM   SIDE SLOPES = 2:1
11812          RS       2    FLOW     -1.
11813          RC    0.02   0.016    0.02   5180.  0.0027
11814          RX       0     0.1    18.0    36.0    66.0    84.0   102.0   102.1
11815          RY    18.0   17.05     9.0     0.0     0.0     9.0   17.05    18.0

11816          KK   D51MD
11817          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
11818          KM   51ST & MCDOWELL
11819          DR   D51MD

11820          KK   SMD4S
11821          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
11822          KM   MCDOWELL
11823          DR   SMD4S

11824          KK   SMD3S
11825          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
11826          KM   MCDOWELL
11827          DR   SMD3S

11828          KK   C4-12
11829          KM   SUB-BASIN COMBINE
11830          HC       2  24.666

11831          KK   R412S
11832          KM   SUB-BASIN STREET ROUTE
11833          KM   SOUTH
11834          KM   RW= 210'
11835          KM   PAV= 129'
11836          RS       6    FLOW     -1.
11837          RC    0.02   0.016    0.02   3390.  0.0012
```



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 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10
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11838          RX       0     0.1    40.5    50.5   159.5   169.5    210.   210.1
11839          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

11840          KK    4-12
11841          KM   SUB-BASIN 4-12
11842          KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
11843          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .999
11844          KM     L =  .71  Kb = .028  Adj. Slope =    9.0
11845          BA    .216
11846          LG    .200    .250   9.700    .040   1.000
11847          UC    .500    .312
11848          UA       0       5      16      30      65      77      84      90      94      97
11849          UA     100

11850          KK  CI1051
11851          KM   SUB-BASIN COMBINE
11852          HC       4  25.452

11853          KK   DI10D
11854          KM   INTERSECTION DIVERSION
11855          KM   I-10 & 51ST
11856          KM   100% West & 0% South
11857          DT   DDI10
11858          DI       0  10000.
11859          DQ       0     0.0

11860          KK   R512W
11861          KM   I-10 CHANNEL ROUTE
11862          KM   WEST
11863          KM   BOTTOM WIDTH = 30'
11864          KM   TOP WIDTH = 100'
11865          KM   DEPTH = 18'
11866          KM   SIDE SLOPES = 2:1
11867          RS       3    FLOW     -1.
11868          RC    0.02   0.016    0.02   5150.  0.0017
11869          RX       0     0.1    18.0    36.0    66.0    84.0   102.0   102.1
11870          RY    18.0   17.05     9.0     0.0     0.0     9.0   17.05    18.0

11871          KK   D59MD
11872          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
11873          KM   59TH & MCDOWELL
11874          DR   D59MD

11875          KK   SMD5S
11876          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
11877          KM   MCDOWELL
11878          DR   SMD5S

11879          KK   R512S
11880          KM   SUB-BASIN STREET ROUTE
11881          KM   SOUTH
11882          KM   RW= 50'
11883          KM   PAV= 35'
11884          RS       4    FLOW     -1.
11885          RC    0.02   0.016    0.02   3210.  0.0019
```



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 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

11886          RX       0     0.1     7.5    17.5    32.5    42.5    50.    50.1
11887          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

11888          KK    5-12
11889          KM   SUB-BASIN 5-12
11890          KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
```

```
11891          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .999
11892          KM     L =  .90  Kb = .059  Adj. Slope =   14.0
11893          BA    .184
11894          LG    .220    .200   9.700    .050  21.000
11895          UC    .846    .741
11896          UA       0       5      16      30      65      77      84      90      94      97
11897          UA     100

11898          KK   C5-12
11899          KM   SUB-BASIN COMBINE
11900          HC       4  34.679

11901          KK   DI10E
11902          KM   INTERSECTION DIVERSION
11903          KM   I-10 & 59TH
11904          KM   100% West & 0% South
11905          DT   DEI10
11906          DI       0  10000.
11907          DQ       0     0.0

11908          KK   R612W
11909          KM   I-10 CHANNEL ROUTE
11910          KM   WEST
11911          KM   BOTTOM WIDTH = 30'
11912          KM   TOP WIDTH = 100'
11913          KM   DEPTH = 18'
11914          KM   SIDE SLOPES = 2:1
11915          RS       3    FLOW     -1.
11916          RC    0.02   0.016    0.02   5060.  0.0012
11917          RX       0     0.1    18.0    36.0    66.0    84.0   102.0   102.1
11918          RY    18.0   17.05     9.0     0.0     0.0     9.0   17.05    18.0

11919          KK   D67MD
11920          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
11921          KM   67TH & MCDOWELL
11922          DR   D67MD

11923          KK   SMD6S
11924          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
11925          KM   MCDOWELL
11926          DR   SMD6S

11927          KK   R612S
11928          KM   SUB-BASIN STREET ROUTE
11929          KM   SOUTH
11930          KM   RW= 70'
11931          KM   PAV= 43'
11932          RS       4    FLOW     -1.
11933          RC    0.02   0.016    0.02   2620.  0.0018
```



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 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

11934          RX       0     0.1    13.5    23.5    46.5    56.5     70.    70.1
11935          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

11936          KK    6-12
11937          KM   SUB-BASIN 6-12
11938          KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
11939          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .999
11940          KM     L =  .93  Kb = .044  Adj. Slope =   10.0
11941          BA    .180
11942          LG    .210    .220   9.700    .040  16.000
11943          UC    .804    .728
11944          UA       0       5      16      30      65      77      84      90      94      97
11945          UA     100
```

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11946          KK   C6-12
11947          KM   SUB-BASIN COMBINE
11948          HC       4  44.970

11949          KK   DI10F
11950          KM   INTERSECTION DIVERSION
11951          KM   I-10 & 67TH
11952          KM   100% West & 0% South
11953          DT   DFI10
11954          DI       0  10000.
11955          DQ       0     0.0

11956          KK   R111W
11957          KM   I-10 CHANNEL ROUTE
11958          KM   WEST
11959          KM   BOTTOM WIDTH = 30'
11960          KM   TOP WIDTH = 100'
11961          KM   DEPTH = 18'
11962          KM   SIDE SLOPES = 2:1
11963          RS       2    FLOW     -1.
11964          RC    0.02   0.016    0.02   5000.  0.0020
11965          RX       0     0.1    18.0    36.0    66.0    84.0   102.0   102.1
11966          RY    18.0   17.05     9.0     0.0     0.0     9.0   17.05    18.0

11967          KK   D75MD
11968          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
11969          KM   75TH & MCDOWELL
11970          DR   D75MD

11971          KK   SMD7S
11972          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
11973          KM   MCDOWELL
11974          DR   SMD7S

11975          KK   R111S
11976          KM   SUB-BASIN STREET ROUTE
11977          KM   SOUTH
11978          KM   RW= 150'
11979          KM   PAV= 105'
11980          RS       4    FLOW     -1.
11981          RC    0.02   0.016    0.02   3220.  0.0019
```



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 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

11982          RX       0     0.1    22.5    32.5   117.5   127.5    150.   150.1
11983          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

11984          KK    1-11
11985          KM   SUB-BASIN 1-11
11986          KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
11987          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .999
11988          KM     L =  .92  Kb = .066  Adj. Slope =   13.0
11989          BA    .182
11990          LG    .320    .270   6.600    .170   9.000
11991          UC   1.538   1.474
11992          UA       0       5      16      30      65      77      84      90      94      97
11993          UA     100

11994          KK   C1-11
11995          KM   SUB-BASIN COMBINE
11996          HC       4  47.765

11997          KK   DI10G
11998          KM   INTERSECTION DIVERSION
```

```
11999          KM   I-10 & 75TH
12000          KM   100% West & 0% South
12001          DT   DGI10
12002          DI       0  10000.
12003          DQ       0     0.0

12004          KK   R211W
12005          KM   I-10 CHANNEL ROUTE
12006          KM   WEST
12007          KM   BOTTOM WIDTH = 30'
12008          KM   TOP WIDTH = 100'
12009          KM   DEPTH = 18'
12010          KM   SIDE SLOPES = 2:1
12011          RS       3    FLOW     -1.
12012          RC    0.02   0.016    0.02   5130.  0.0016
12013          RX       0     0.1    18.0    36.0    66.0    84.0   102.0   102.1
12014          RY    18.0   17.05     9.0     0.0     0.0     9.0   17.05    18.0

12015          KK   D83MD
12016          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
12017          KM   83RD & MCDOWELL
12018          DR   D83MD

12019          KK   SMD8S
12020          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
12021          KM   MCDOWELL
12022          DR   SMD8S

12023          KK   R211S
12024          KM   SUB-BASIN STREET ROUTE
12025          KM   SOUTH
12026          KM   RW= 50'
12027          KM   PAV= 35'
12028          RS       4    FLOW     -1.
12029          RC    0.02   0.016    0.02   3250.  0.0027
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 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

12030          RX       0     0.1     7.5    17.5    32.5    42.5     50.    50.1
12031          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

12032          KK    2-11
12033          KM   SUB-BASIN 2-11
12034          KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
12035          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .999
12036          KM     L =  .98  Kb = .098  Adj. Slope =   15.0
12037          BA    .178
12038          LG    .500    .150   7.300    .170   1.000
12039          UC   1.471   1.494
12040          UA       0       5      16      30      65      77      84      90      94      97
12041          UA     100

12042          KK  RET211
12043          KM   RETENTION BASIN DIVERSION
12044          KM   SUB-BASIN 2-11
12045          KM    6% OF SUB-BASIN DRAINS TO RETENTION BASIN
12046          DT  D2-11R    1.87
12047          DI       0  10000.
12048          DQ       0    600.

12049          KK   C2-11
12050          KM   SUB-BASIN COMBINE
12051          HC       4  67.637

12052          KK   DI10H
```


K/14PRINT

```
12053          KM   INTERSECTION DIVERSION
12054          KM   I-10 & 83RD
12055          KM   100% West & 0% South
12056          DT   DHI10
12057          DI       0  10000.
12058          DQ       0     0.0

12059          KK   R311W
12060          KM   I-10 CHANNEL ROUTE
12061          KM   WEST
12062          KM   BOTTOM WIDTH = 30'
12063          KM   TOP WIDTH = 100'
12064          KM   DEPTH = 18'
12065          KM   SIDE SLOPES = 2:1
12066          RS       3    FLOW     -1.
12067          RC    0.02   0.016    0.02   5170.  0.0016
12068          RX       0     0.1    18.0    36.0    66.0    84.0   102.0   102.1
12069          RY    18.0   17.05     9.0     0.0     0.0     9.0   17.05    18.0

12070          KK   D91MD
12071          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
12072          KM   91ST & MCDOWELL
12073          DR   D91MD
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 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

12074          KK   SMD9S
12075          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
12076          KM   MCDOWELL
12077          DR   SMD9S

12078          KK   R311S
12079          KM   SUB-BASIN STREET ROUTE
12080          KM   SOUTH
12081          KM   RW= 50'
12082          KM   PAV= 35'
12083          RS       5    FLOW     -1.
12084          RC    0.02   0.016    0.02   2790.  0.0010
12085          RX       0     0.1     7.5    17.5    32.5    42.5     50.    50.1
12086          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

12087          KK    3-11
12088          KM   SUB-BASIN 3-11
12089          KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
12090          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .999
12091          KM     L = 1.00  Kb = .027  Adj. Slope =   12.0
12092          BA    .168
12093          LG    .170    .220   9.700    .040  21.000
12094          UC    .542    .518
12095          UA       0       5      16      30      65      77      84      90      94      97
12096          UA     100

12097          KK   C3-11
12098          KM   SUB-BASIN COMBINE
12099          HC       4  77.074

12100          KK   DI10I
12101          KM   INTERSECTION DIVERSION
12102          KM   I-10 & 91ST
12103          KM   100% West & 0% South
12104          DT   DII10
12105          DI       0  10000.
12106          DQ       0     0.0
```


K/14PRINT

```
12107          KK   R411W
12108          KM   I-10 CHANNEL ROUTE
12109          KM   WEST
12110          KM   BOTTOM WIDTH = 30'
12111          KM   TOP WIDTH = 100'
12112          KM   DEPTH = 18'
12113          KM   SIDE SLOPES = 2:1
12114          RS       4    FLOW     -1.
12115          RC    0.02   0.016    0.02   5220.  0.0008
12116          RX       0     0.1    18.0    36.0    66.0    84.0   102.0   102.1
12117          RY    18.0   17.05     9.0     0.0     0.0     9.0   17.05    18.0
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 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

12118          KK   D99MD
12119          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
12120          KM   99TH & MCDOWELL
12121          DR   D99MD

12122          KK  SMD10S
12123          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
12124          KM   MCDOWELL
12125          DR  SMD10S

12126          KK   R411S
12127          KM   SUB-BASIN STREET ROUTE
12128          KM   SOUTH
12129          KM   RW= 50'
12130          KM   PAV= 35'
12131          RS       6    FLOW     -1.
12132          RC    0.02   0.016    0.02   3170.  0.0010
12133          RX       0     0.1     7.5    17.5    32.5    42.5     50.    50.1
12134          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

12135          KK    4-11
12136          KM   SUB-BASIN 4-11
12137          KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
12138          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .999
12139          KM     L =  .87  Kb = .093  Adj. Slope =   10.0
12140          BA    .176
12141          LG    .480    .150   8.800    .090   4.000
12142          UC   1.446   1.342
12143          UA       0       5      16      30      65      77      84      90      94      97
12144          UA     100

12145          KK   C4-11
12146          KM   SUB-BASIN COMBINE
12147          HC       4  83.109

12148          KK   DI10J
12149          KM   INTERSECTION DIVERSION
12150          KM   I-10 & 99TH
12151          KM   100% West & 0% South
12152          DT   DJI10
12153          DI       0  10000.
12154          DQ       0     0.0

12155          KK   R511W
12156          KM   I-10 CHANNEL ROUTE
12157          KM   WEST
12158          KM   BOTTOM WIDTH = 30'
12159          KM   TOP WIDTH = 100'
12160          KM   DEPTH = 18'
12161          KM   SIDE SLOPES = 2:1
```

```
12162          RS       3    FLOW     -1.
12163          RC    0.02   0.016    0.02   5290.  0.0017
12164          RX       0     0.1    18.0    36.0    66.0    84.0   102.0   102.1
12165          RY    18.0   17.05     9.0     0.0     0.0     9.0   17.05    18.0
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 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

12166          KK  D107MD
12167          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
12168          KM   107TH & MCDOWELL
12169          DR  D107MD

12170          KK  SMD11S
12171          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
12172          KM   MCDOWELL
12173          DR  SMD11S

12174          KK   R511S
12175          KM   SUB-BASIN STREET ROUTE
12176          KM   SOUTH
12177          KM   RW= 100'
12178          KM   PAV= 70'
12179          RS       3    FLOW     -1.
12180          RC    0.02   0.016    0.02   2800.  0.0025
12181          RX       0     0.1    15.0    25.0    75.0    85.0    100.    100.1
12182          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

12183          KK    5-11
12184          KM   SUB-BASIN 5-11
12185          KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
12186          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .999
12187          KM     L =  .86  Kb = .098  Adj. Slope =    9.0
12188          BA    .183
12189          LG    .500    .150   9.700    .070    .000
12190          UC   1.500   1.354
12191          UA       0       5      16      30      65      77      84      90      94      97
12192          UA     100

12193          KK   C5-11
12194          KM   SUB-BASIN COMBINE
12195          HC       4  87.052

12196          KK   DI10K
12197          KM   INTERSECTION DIVERSION
12198          KM   I-10 & 107TH
12199          KM   100% West & 0% South
12200          DT   DKI10
12201          DI       0  10000.
12202          DQ       0     0.0

12203          KK   R611W
12204          KM   I-10 CHANNEL ROUTE
12205          KM   WEST
12206          KM   BOTTOM WIDTH = 30'
12207          KM   TOP WIDTH = 100'
12208          KM   DEPTH = 18'
12209          KM   SIDE SLOPES = 2:1
12210          RS       2    FLOW     -1.
12211          RC    0.02   0.016    0.02   5130.  0.0019
12212          RX       0     0.1    18.0    36.0    66.0    84.0   102.0   102.1
12213          RY    18.0   17.05     9.0     0.0     0.0     9.0   17.05    18.0
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 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10
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12214          KK  D115MD
12215          KM   RETRIEVAL OF STREET INTERSECTION DIVERSION
12216          KM   115TH & MCDOWELL
12217          DR  D115MD

12218          KK  SMD12S
12219          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
12220          KM   MCDOWELL
12221          DR  SMD12S

12222          KK   R611S
12223          KM   SUB-BASIN STREET ROUTE
12224          KM   SOUTH
12225          KM   RW= 50'
12226          KM   PAV= 35'
12227          RS       3    FLOW     -1.
12228          RC    0.02   0.016    0.02   2930.  0.0033
12229          RX       0     0.1     7.5    17.5    32.5    42.5     50.    50.1
12230          RY     4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

12231          KK    6-11
12232          KM   SUB-BASIN 6-11
12233          KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
12234          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .999
12235          KM     L =  .95  Kb = .094  Adj. Slope =   13.0
12236          BA    .221
12237          LG    .490    .150   8.000    .130   1.000
12238          UC   1.438   1.256
12239          UA       0       5      16      30      65      77      84      90      94      97
12240          UA     100

12241          KK   C6-11
12242          KM   SUB-BASIN COMBINE
12243          HC       4  88.987

12244          KK   DI10L
12245          KM   INTERSECTION DIVERSION
12246          KM   I-10 & 115TH
12247          KM   100% West & 0% South
12248          DT   DLI10
12249          DI       0  10000.
12250          DQ       0     0.0

12251          KK  R1W11W
12252          KM   I-10 CHANNEL ROUTE
12253          KM   WEST
12254          KM   BOTTOM WIDTH = 30'
12255          KM   TOP WIDTH = 100'
12256          KM   DEPTH = 18'
12257          KM   SIDE SLOPES = 2:1
12258          RS       4    FLOW     -1.
12259          RC    0.02   0.016    0.02   5340.  0.0009
12260          RX       0     0.1    18.0    36.0    66.0    84.0   102.0   102.1
12261          RY    18.0   17.05     9.0     0.0     0.0     9.0   17.05    18.0
```



```
 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

12262          KK  SMD13S
12263          KM   RETRIEVAL OF STREET CAPACITY DIVERSION
12264          KM   MCDOWELL
12265          DR  SMD13S
```

```
12266          KK  R1W11S
12267          KM   SUB-BASIN STREET ROUTE
12268          KM   SOUTH
12269          KM   RW= 50'
12270          KM   PAV= 35'
12271          RS      6    FLOW     -1.
12272          RC   0.02   0.016    0.02   5840.  0.0034
12273          RX      0     0.1     7.5    17.5    32.5    42.5     50.    50.1
12274          RY    4.0     0.0     0.0     0.0     0.0     0.0     0.0     4.0

12275          KK   1-W11
12276          KM   SUB-BASIN 1-W11
12277          KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
12278          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .998
12279          KM     L = 1.43  Kb = .065  Adj. Slope =   16.0
12280          BA    .374
12281          LG    .220    .250   6.600    .150  23.000
12282          UC   1.296   1.150
12283          UA      0       5      16      30      65      77      84      90      94      97
12284          UA    100

12285          KK  C1-W11
12286          KM   SUB-BASIN COMBINE
12287          HC      3  90.195

12288          KK  R1W11A
12289          KM   I-10 CHANNEL ROUTE
12290          KM   WEST
12291          KM   BOTTOM WIDTH = 30'
12292          KM   TOP WIDTH = 100'
12293          KM   DEPTH = 18'
12294          KM   SIDE SLOPES = 2:1
12295          RS      1    FLOW     -1.
12296          RC   0.02   0.016    0.02   2040.  0.0015
12297          RX      0     0.1    18.0    36.0    66.0    84.0   102.0   102.1
12298          RY   18.0   17.05     9.0     0.0     0.0     9.0   17.05    18.0

12299          KK   2-W11
12300          KM   SUB-BASIN 2-W11
12301          KM   24-HOUR SCS TYPE II RAINFALL WAS USED TO FIND TC & R FOR THIS BASIN
12302          KM   THIS BASIN USED RAINFALL REDUCTION FACTOR OF  .999
12303          KM     L =  .86  Kb = .039  Adj. Slope =   19.0
12304          BA    .085
12305          LG    .200    .340   5.000    .240   6.000
12306          UC    .579    .729
12307          UA      0       5      16      30      65      77      84      90      94      97
12308          UA    100
```



```
 LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

12309          KK  C2-W11
12310          KM   SUB-BASIN COMBINE
12311          HC      2  90.280

12312          KK  NULL10
12313          KM   COMBINE FLOWS FROM MCDOWELL WITH I10 COMPUTATION PATH
12314          HC      2     1.
12315          ZZ
```

1

SCHEMATIC DIAGRAM OF STREAM NETWORK

```
INPUT
 LINE     (V) ROUTING          (--->) DIVERSION OR PUMP FLOW

  NO.     (.) CONNECTOR        (<---) RETURN OF DIVERTED OR PUMPED FLOW
```


K/14PRINT

```
 94        7-32
              .
              .
108           .-------->   D7-32
104       RET7
              .
              .
115           .-------->   D67TB
111       DTB67
              V
              V
118       RTB1
              .
              .
126           .        12-31
              .            .
              .            .
140           .            .-------->  D1231W
136           .       D1231S
              .            .
              .            .
143       CTB1 ............
              .
              .
151           .-------->   STB1S
147       STB1W
              V
              V
154       RTB2
              .
              .
165           .            .<--------  D1231W
162           .       D1231W
              .            .
              .            .
170           .            .-------->   S75AW
166           .        S75AS
              .            V
              .            V
173           .        R75A
              .            .
              .            .
181       CTB75............
              .
              .
189           .-------->   D75TB
185       DTB75
              V
              V
192       RTB3
              .
              .
200           .         2-31
              .            .
              .            .
214           .            .-------->   D231W
210           .        D231S
              .            V
              .            V
217           .       R1131S
              .            .
              .            .
226           .            .        11-31
              .            .           .
              .            .           .
```

```
238                                   .<-------  S75AW
236                              S75AW
                                     V
                                     V
239                              R1131W
                                     .
                                     .
248                   C11-31.........................
                                     .
                                     .
255                                  .-------> D1131W
251                   D1131S
                                     .
                                     .
258            CTB2 ............
                     .
                     .
266                  .-------> STB2S
262            STB2W
                   V
                   V
269            RTB4
                     .
                     .
280                  .<-------  D1131W
277                   D1131W
                         V
                         V
281                    R83A
                         .
                         .
289            CTB83............
                     .
                     .
297                  .-------> D83TB
293            DTB83
                     .
                     .
300                    10-31
                         .
                         .
310            CADOT1...........
                     .
                     .
320                  .-------> ADOT1S
314            ADOT1W
                     .
                     .
323                    17-32
                         .
                         .
337                      .-------> D1732
333                    RET17
                         .
                         .
344                      .-------> D59CR
340                    DCR59
                         V
                         V
347                    RCR1
                         .
                         .
355                      .       18-32
                         .           .
                         .           .
369                      .           .-------> D1832W
```


ICL4PRINT

```
365                 .           .       D1832S
                    .           .           .
                    .           .           .
372                 .     CCR1 ............
                    .           .
                    .           .
380                 .           .-------> SCR1S
376                 .     SCR1W
                    .         V
                    .         V
383                 .     RCR2
                    .           .
                    .           .
394                 .           .           .<-------  D67TB
391                 .           .       D67TB
                    .           .           V
                    .           .           V
395                 .           .       R67A
                    .           .           .
                    .           .           .
406                 .           .           .           .<-------  D1832W
403                 .           .           .     D1832W
                    .           .           .           .
                    .           .           .           .
407                 .           .       C67A ............
                    .           .           .
                    .           .           .
415                 .           .           .-------> S67AW
411                 .           .       S67AS
                    .           .           V
                    .           .           V
418                 .           .       R67B
                    .           .           .
                    .           .           .
426                 .     CCR67............
                    .           .
                    .           .
437                 .           .-------> D67CR
430                 .     DCR67
                    .         V
                    .         V
440                 .     RCR3
                    .           .
                    .           .
450                 .           .           .<-------  STB1S
448                 .           .       STB1S
                    .           .           V
                    .           .           V
451                 .           .       R1331S
                    .           .           .
                    .           .           .
460                 .           .           .     13-31
                    .           .           .           .
                    .           .           .           .
473                 .           .           .           .           .<-------  S67AW
470                 .           .           .           .     S67AW
                    .           .           .           .         V
                    .           .           .           .         V
474                 .           .           .           .     R1331W
                    .           .           .           .           .
                    .           .           .           .           .
483                 .           .       C13-31.......................
                    .           .           .
                    .           .           .
490                 .           .           .-------> D1331W
486                 .           .       D1331S
```

```
493          CCR2 ............
503                 -------> SCR2S
497          SCR2W
                 V
                 V
506          RCR4

517                      <------- D75TB
514                  D75TB
                         V
                         V
518                  R75B

529                                <------- D1331W
526                          D1331W

530                  C75A ............

538                      -------> S75BW
534                  S75BS
                         V
                         V
541                  R75C

549          CCR75............

560                 -------> D75CR
553          DCR75
                 V
                 V
563          RCR5

573                      <------- STB2S
571                  STB2S
                         V
                         V
574                 R1431S

583                              14-31

597                                -------> D14-31
593                              RET14

602                                         <------- S75BW
600                                      S75BW
                                            V
                                            V
603                                     R1431W

612                  C14-31......................
```

```
619                                  .-------> D1431W
615                          D1431S
                                     .
                                     .
622                  CCR3 ............
                                     .
                                     .
632                                  .-------> SCR3S
626                  SCR3W
                         V
                         V
635                  RCR6
                                     .
                                     .
646                                  .<-------  D83TB
643                          D83TB
                                     V
                                     V
647                          R83B
                                     .
                                     .
658                                  .          .<-------  D1431W
655                                  .     D1431W
                                     .          .
                                     .          .
659                          C83A ............
                                     .
                                     .
667                                  .-------> S83AW
663                          S83AS
                                     V
                                     V
670                          R83C
                                     .
                                     .
678                  CCR83............
                                     .
                                     .
689                                  .-------> D83CR
682                  DCR83
                         V
                         V
692                  RCR7
                                     .
                                     .
700                          15-31
                                     .
                                     .
712                                  .          .<-------  S83AW
710                                  .      S83AW
                                     .          V
                                     .          V
713                                  .     R1531W
                                     .          .
                                     .          .
722                          C15-31............
                                     .
                                     .
729                                  .-------> D1531W
725                          D1531S
                                     .
                                     .
732                  CCR4 ............
                                     .
                                     .
```

```
742                 .-------> SCR4S
736            SCR4W
                   V
                   V
745            RCR8
                   .
                   .
753                .      22-31E
                   .           .
                   .           .
769                .           .-------> D2231S
763                .      D2231E
                   .           .
                   .           .
775                .           .        .<-------  SCR4S
772                .           .   SCR4S
                   .           .        .
                   .           .        .
776                .      C2231N............
                   .           V
                   .           V
779                .      R2231E
                   .           .
                   .           .
788            CADOT3............
                   V
                   V
791            R2231N
                   .
                   .
802                .           .<-------  ADOT1S
800                .      ADOT1S
                   .           V
                   .           V
803                .      RADOT1
                   .           .
                   .           .
817                .           .        .<-------  D1531W
814                .           .   D1531W
                   .           .        .
                   .           .        .
818                .      CADOT2............
                   .           .
                   .           .
821        NULL1........................
                   .
                   .
825            21-32
                   .
                   .
839                .-------> D2132W
835            D2132S
                   .
                   .
846                .-------> SPA1S
842            SPA1W
                   V
                   V
849            RPA1
                   .
                   .
860                .           .<-------  D2132W
857                .      D2132W
                   .           .
                   .           .
865                .           .-------> S51AW
```

```
861                 S51AS
                      V
                      V
868                 R51A
                      .
                      .
876          CPA51............
                      .
                      .
884                   .-------> D51PA
880          DPA51
                 V
                 V
887          RPA2
                 .
                 .
895                 20-32
                      .
                      .
909                   .-------> D2032R
905                 RET20
                      .
                      .
915                   .                .<-------  S51AW
912                   .          S51AW
                      .            V
                      .            V
916                   .         R2032W
                      .            .
                      .            .
925                 C20-32............
                      .
                      .
932                   .-------> D2032W
928                 D2032S
                      .
                      .
935          CPA1 ............
                 .
                 .
943                   .-------> SPA2S
939          SPA2W
                 V
                 V
946          RPA3
                 .
                 .
957                   .<-------  D59CR
954                 D59CR
                      V
                      V
958                 R59A
                      .
                      .
969                   .                .<-------  D2032W
966                   .          D2032W
                      .            .
                      .            .
970                 C59A ............
                      .
                      .
978                   .-------> S59AW
974                 S59AS
                      V
                      V
981                 R59B
```

```
989          CPA59............
997                 -------> D59PA
993          DPA59
                 V
                 V
1000         RPA4
1011                     <------- SCR1S
1008                 SCR1S
                         V
                         V
1012                 R1932S
1021                             19-32
1035                                     -------> D1932R
1031                             RET19
1041                                                <------- S59AW
1038                                         S59AW
                                                 V
                                                 V
1042                                         R1932W
1051                 C19-32......................
1058                         -------> D1932W
1054                 D1932S
1061         CPA2 ............
1069                 -------> SPA3S
1065         SPA3W
                 V
                 V
1072         RPA5
1083                     <------- D67CR
1080                 D67CR
                         V
                         V
1084                 R67C
1095                                     <------- D1932W
1092                             D1932W
1096                 C67B ............
1104                         -------> S67BW
1100                 S67BS
```


ICA4PRINT

```
                 .          .          V
                 .          .          V
1107             .          .      R67D
                 .          .          .
                 .          .          .
1115             .      CPA67.............
                 .          .
                 .          .
1123             .          .-------> D67PA
1119             .      DPA67
                 .          V
                 .          V
1126             .      RPA6
                 .          .
                 .          .
1137             .          .<-------   SCR2S
1134             .          .      SCR2S
                 .          .          V
                 .          .          V
1138             .          .     R2431S
                 .          .          .
                 .          .          .
1147             .          .          .      24-31
                 .          .          .          .
                 .          .          .          .
1161             .          .          .          .-------> D24-31
1157             .          .          .      RET24
                 .          .          .          .
                 .          .          .          .
1167             .          .          .          .          .<-------   S67BW
1164             .          .          .          .      S67BW
                 .          .          .          .          V
                 .          .          .          .          V
1168             .          .          .          .     R2431W
                 .          .          .          .          .
                 .          .          .          .          .
1177             .          .     C24-31.......................
                 .          .          .
                 .          .          .
1184             .          .          .-------> D2431W
1180             .          .     D2431S
                 .          .          .
                 .          .          .
1187             .      CPA3 .............
                 .          .
                 .          .
1195             .          .-------> SPA4S
1191             .      SPA4W
                 .          V
                 .          V
1198             .      RPA7
                 .          .
                 .          .
1209             .          .<-------   D75CR
1206             .          .      D75CR
                 .          .          V
                 .          .          V
1210             .          .      R75D
                 .          .          .
                 .          .          .
1221             .          .          .<-------  D2431W
1218             .          .          .      D2431W
                 .          .          .          .
                 .          .          .          .
1222             .          .      C75B .............
                 .          .          .
```

```
1230                    .-------> S75CW
1226                S75CS
                        V
                        V
1233                R75E
                        .
                        .
1241            CPA75.............
                        .
                        .
1250                    .-------> D75PA
1245            DPA75
                    V
                    V
1253            RPA8
                        .
                        .
1264                    .<------- SCR3S
1261                SCR3S
                        V
                        V
1265                R23-31
                        .
                        .
1274                    .       23-31
                        .           .
                        .           .
1288                    .           .-------> D2331R
1284                    .       RET23
                        .           .
                        .           .
1294                    .           .         .<------- S75CW
1291                    .           .     S75CW
                        .           .         V
                        .           .         V
1295                    .           .     R2331W
                        .           .         .
                        .           .         .
1304                C23-31.......................
                        .
                        .
1311                    .-------> D2331W
1307                D2331S
                        .
                        .
1314            CPA4 .............
                        .
                        .
1322                    .-------> SPA5S
1318            SPA5W
                    V
                    V
1325            RPA9
                        .
                        .
1336                    .<------- D83CR
1333                D83CR
                        V
                        V
1337                R83D
                        .
                        .
1348                    .           .<------- D2331W
1345                    .       D2331W
                        .           .
```


1C7L4PRINT

```
1349                C83B ............
                     .
1357                 .-------> S83BW
1353                S83BS
                     .
                     .
1360          CPA83............
                 .
                 .
1371             .-------> D83PA
1364          DPA83
                 .
                 .
1377                 .<------- D2231S
1374             .  D2231S
                     .
                     .
1381                 .          .<-------  S83BW
1378             .      .      S83BW
                     .          .
                     .          .
1382             .  C2231E............
                     V
                     V
1385             .   RES22
                     V
                     V
1393             .  R2231W
                     .
                     .
1402             .      .      22-31W
                     .          .
                     .          .
1416             .      .          .-------> D2231C
1412             .      .      D2231B
                     .          .
                     .          .
1419          C2231W.......................
                 .
                 .
1426             .-------> SPA6S
1422          SPA6W
                 V
                 V
1429          RPA10
                 .
                 .
1444             .-------> D91PA
1437          DPA91
                 .
                 .
1450                 .<------- D2231C
1447             .  D2231C
                     V
                     V
1451             .  R2231S
                     .
                     .
1460          CPA91............
                 .
                 .
1464       NULL2............
                 .
                 .
```

```
1467          26-32W
                 .
                 .
1484             .-------> D350A
1477          DOA35
                 V
                 V
1487          ROA1
                 .
                 .
1495                27-32
                        .
                        .
1509                    .-------> D2732W
1505                D2732S
                        .
                        .
1512          COA1 .............
                 .
                 .
1520             .-------> SOA1S
1516          SOA1W
                 V
                 V
1523          ROA2
                 .
                 .
1534                    .<------- D2732W
1531                D2732W
                        .
                        .
1539                    .-------> S43AW
1535                S43AS
                        V
                        V
1542                R43A
                        .
                        .
1550          COA43.............
                 .
                 .
1561             .-------> D430A
1554          DOA43
                 V
                 V
1564          ROA3
                 .
                 .
1575                    .<------- SPA1S
1572                SPA1S
                        V
                        V
1576                R2832S
                        .
                        .
1585                        28-32
                                .
                                .
1599                            .-------> D28-32
1595                        RET28
                                .
                                .
1605                            .<------- S43AW
1602                        S43AW
                                V
                                V
```


K/L4PRINT

```
1606                                                R2832W
1615                        C28-32
1622                                  -------> D2832W
1618                        D2832S
1625                  COA2
1633                        -------> SOA2S
1629                  SOA2W
                            V
                            V
1636                  RAO4
1647                                  <------- D51PA
1644                        D51PA
                                V
                                V
1648                        R51B
1659                                                <------- D2832W
1656                                      D2832W
1660                        C51A
1668                                  -------> S51BW
1664                        S51BS
                                V
                                V
1671                        R51C
1679                  COA51
1690                        -------> D510A
1683                  DOA51
                            V
                            V
1693                  ROA5
1704                                  <------- SPA2S
1701                        SPA2S
                                V
                                V
1705                        R2932S
1714                                      29-32
1728                                                -------> D2932R
1724                                      RET29
1734                                                        <------- S51BW
```

```
1731                                                  S51BW
                                                        V
                                                        V
1735                                                  R2932W

1744                          C29-32.......................

1751                                  -------> D2932W
1747                          D2932S

1754                    COA3 ............

1764                                  -------> SOA3S
1758                    SOA3W
                          V
                          V
1767                    ROA6

1778                                  <-------  D59PA
1775                          D59PA
                                V
                                V
1779                          R59C

1790                                                <-------  D2932W
1787                                        D2932W

1791                          C59B ............

1799                                  -------> S59BW
1795                          S59BS
                                V
                                V
1802                          RR59D

1810                    COA59............

1821                                  -------> D590A
1814                    DOA59
                          V
                          V
1824                    ROA7

1835                                  <-------  SPA3S
1832                          SPA3S
                                V
                                V
1836                          R3032S

1845                                        30-32

1859                                                -------> D3032R
1855                                        RET30
```


1C/14PRINT

```
1865                                  .<-------   S59BW
1862                            S59BW
                                    V
                                    V
1866                            R3032W
                                    .
                                    .
1875                  C30-32........................
                                    .
                                    .
1882                                .-------> D3032W
1878                  D3032S
                                    .
                                    .
1885            COA4 ............
                    .
                    .
1895                .------->   SOA4S
1889            SOA4W
                    V
                    V
1898            ROA8
                    .
                    .
1909                            .<-------   D67PA
1906                  D67PA
                                V
                                V
1910                  R67E
                                .
                                .
1921                                        .<-------  D3032W
1918                                  D3032W
                                            .
                                            .
1922                  C67C ............
                                .
                                .
1930                            .------->   S67CW
1926                  S67CS
                                V
                                V
1933                  R67F
                                .
                                .
1941            COA67............
                    .
                    .
1952                .------->   D670A
1945            DOA67
                    V
                    V
1955            ROA9
                    .
                    .
1966                            .<-------   SPA4S
1963                  SPA4S
                                V
                                V
1967                  R2531S
                                .
                                .
1976                                  25-31
                                            .
```

```
1990                                  .-------> D2531R
1986                            RET25
                                                 .<-------  S67CW
1996                                       S67CW
1993                                           V
                                               V
1997                                       R2531W
                                                 .
2006                      C25-31.......................
                                       .-------> D2531W
2013
2009                      D2531S
2016                 COA5 ............
                                  .------->  SOA5S
2026
2020                 SOA5W
                                  .-------> RES250
2033
2029                 RES25
                         V
                         V
2036                 ROA10
                                       .<-------  D75PA
2047
2044                      D75PA
                              V
                              V
2048                      R75F
                                                 .<-------  D2531W
2059
2056                                       D2531W
2060                      C75C ............
                                       .-------> S75DW
2068
2064                      S75DS
                              V
                              V
2071                      R75G
2079                 COA75............
                                  .-------> D750A
2090
2083                 DOA75
                                       .<-------  SPA5S
2096
2093                      SPA5S
2097                                       26-31E
```


ICT-4PRINT

```
2111                                                  .-------> D2631R
2107                                          RET26
2114                                  C2631E............
2123                                                  .-------> D2631N
2117                                  D2631E
2129                                                  .<-------   S75DW
2126                                          S75DW
2130                          C2631S......................
                                  V
                                  V
2133                          RES26S
2145                                  .------->   D26AS
2143                           D26AW
2148                                  26-31W
2162                                                  .-------> D2631N
2158                                  D2631S
2165                            COA6............
2174                                  .------->   SOA6S
2168                           SOA6W
2181                                  .-------> RES260
2177                           RES26
                                  V
                                  V
2184                           ROA11
2195                                                  .<-------   D83PA
2192                                   D83PA
2199                                                  .<-------  D2631N
2196                                          D2631N
2200                                  C2631N............
                                                  V
                                                  V
2203                                  RES26N
                                                  V
                                                  V
2211                                  R2631W
2223                                                  .<-------  D2631N
```

```
2220                                  D2631N
                                        .
                                        .
2224                            C2631W.....
                                        .
                                        .
2231                                    .-------> S83CW
2227                             S83CS
                                     V
                                     V
2234                             R83E
                                        .
                                        .
2242                     COA83.....
                                 .
                                 .
2253                             .-------> D830A
2246                     DOA83
                             V
                             V
2256                     ROA12
                                 .
                                 .
2267                                    .<------- SPA6S
2264                             SPA6S
                                     V
                                     V
2268                             R2731S
                                        .
                                        .
2277                                        27-31
                                                .
                                                .
2290                                            .<------- S83CW
2287                                        S83CW
                                                V
                                                V
2291                                        R2731W
                                                .
                                                .
2300                             C27-31.....
                                        .
                                        .
2307                                    .-------> D2731W
2303                             D2731S
                                        .
                                        .
2310                       COA7.....
                                 .
                                 .
2320                             .-------> SOA7S
2314                       SOA7W
                             V
                             V
2323                       ROA13
                                 .
                                 .
2333                                    .<------- D91PA
2330                           D91PA
                                     V
                                     V
2334                           R91A
                                        .
                                        .
2345                                            .<------- D2731W
2342                                        D2731W
```


1<2>4PRINT

```
2346                C91A............
2354                .-------> S91AW
2350              S91AS
                    V
                    V
2357                R91B
2365          COA91............
                  .-------> D910A
2376
2369          DOA91
2379                28-31
2392                        .<------- S91AW
2389                      S91AW
                            V
                            V
2393                      R2831
2401          C28-31........................
                V
                V
2404          RADOT2
2415                36-32
2432                .-------> D27NA
2425              DNA27
2435                      26-32E
                            V
                            V
2445                      R3532S
2454                                35-32
2468                                        .-------> D3532W
2464                                D3532S
2471                C35-32........................
2482                .-------> SNA1S
2474              SNA1W
2488                        .<------- D350A
2485                      D350A
                            V
                            V
```

```
2489                    R35A
                          .
2500                      .<-------  D3532W
2497                D3532W
                          .
2501                    C35A ............
                          .
2511                      .-------->  S35AW
2505                    S35AS
                          V
                          V
2514                    R35B
                          .
2522            CNA35............
                    .
2533                .-------->  D35NA
2526            DNA35
                    V
                    V
2536            RNA1
                    .
2547                      .<-------  SOA1S
2544                    SOA1S
                          V
                          V
2548                    R3432S
                          .
2557                          34-32
                                .
2570                            .<-------  S35AW
2567                          S35AW
                                V
                                V
2571                          R3432W
                                .
2580                    C34-32.......................
                          .
2587                      .-------->  D3432W
2583                    D3432S
                          .
2590            CNA1 ............
                    .
2602                .-------->  SNA2S
2594            SNA2W
                    V
                    V
2605            RNA2
                    .
2616                      .<-------  D430A
2613                    D430A
                          V
                          V
2617                    R43B
```


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```
2628                                                  <------- D3432W
2625                                        D3432W
2629                                 C43B ............
2639                                      -------> S43BW
2633                                 S43BS
                                        V
                                        V
2642                                 R43C
2650                          CNA43............
2661                                 -------> D43NA
2654                          DNA43
                                 V
                                 V
2664                          RNA3
2675                                      <------- SOA2S
2672                                 SOA2S
                                        V
                                        V
2676                                R3332S
2685                                            33-32
2698                                                          <------- S43BW
2695                                                     S43BW
                                                            V
                                                            V
2699                                                    R3332W
2708                                R3332S.......................
2715                                      -------> D3332W
2711                                D3332S
2718                          CNA2 ............
2726                                 -------> SNA3S
2722                          SNA3W
                                 V
                                 V
2729                          RNA4
2740                                      <------- D510A
2737                                 D510A
                                        V
                                        V
2741                                 R51D
```

```
2752                                                  .<-------  D3332W
2749                                          D3332W
                                                      .
                                                      .
2753                                   C51B ............
                                                      .
                                                      .
2761                                                  .------->  S51CW
2757                                   S51CS
                                           V
                                           V
2764                                   R51E
                                                      .
                                                      .
2772                            CNA51............
                                     .
                                     .
2780                                 .------->  D51NA
2776                            DNA51
                                     V
                                     V
2783                            RNA5
                                     .
                                     .
2794                                 .<-------  SOA3S
2791                                   SOA3S
                                           V
                                           V
2795                                   R3232S
                                                      .
                                                      .
2804                                                  .      32-32
                                                      .        .
                                                      .        .
2818                                                  .        .------->  D3232R
2814                                                  .      RET32
                                                      .        .
                                                      .        .
2824                                                  .        .         .<-------  S51CW
2821                                                  .        .      S51CW
                                                      .        .         V
                                                      .        .         V
2825                                                  .        .      R3232W
                                                      .        .         .
                                                      .        .         .
2834                                   C32-32.......................
                                                      .
                                                      .
2841                                                  .------->  D3232W
2837                                   D3232S
                                                      .
                                                      .
2844                            CNA3 ............
                                     .
                                     .
2853                                 .------->  SNA4S
2848                            SNA4W
                                     V
                                     V
2856                            RNA6
                                     .
                                     .
2867                                 .<-------  D590A
2864                                   D590A
                                           V
```

```
2868                    V
                      R59E
                        .
2879                    .<-------  D3232W
2876                    .      D3232W
                        .          .
2880                    .      C59C ............
                        .          .
2888                    .------->  S59CW
2884                    .      S59CS
                        .        V
                        .        V
2891                    .      R59F
                        .          .
2899                    .  CNA59............
                        .          .
2907                    .------->  D59NA
2903                    .  DNA59
                        .      V
                        .      V
2910                    .  RNA7
                        .          .
2921                    .          .<-------  SOA4S
2918                    .      SOA4S
                        .        V
                        .        V
2922                    .     R3132S
                        .          .
2931                    .          .      31-32
                        .          .          .
2945                    .          .          .-------> D3132R
2941                    .          .      RET31
                        .          .          .
2951                    .          .          .          .<-------  S59CW
2948                    .          .          .      S59CW
                        .          .          .        V
                        .          .          .        V
2952                    .          .          .     R3132W
                        .          .          .          .
2961                    .     C31-32..........................
                        .          .
2968                    .          .-------> D3132W
2964                    .     D3132S
                        .          .
2971                    .  CNA4 ............
                        .          .
2979                    .------->  SNA5S
2975                    .  SNA5W
                        .      V
                        .      V
2982                    .  RNA8
                        .          .
```


K214PRINT

```
2993                                  .<-------  D670A
2990                            D670A
                                    V
                                    V
2994                            R67G
                                    .
                                    .                .<-------  D3132W
3005                                .
3002                                .        D3132W
                                    .           .
                                    .           .
3006                            C67D ............
                                    .
                                    .
3014                                .------->  S67DW
3010                            S67DS
                                    V
                                    V
3017                            R67H
                                    .
                                    .
3025                      CNA67............
                                    .
                                    .
3033                                .------->  D67NA
3029                      DNA67
                                    .
                                    .
3039                                .<-------  D75OA
3036                            D75OA
                                    .
                                    .                .<-------  SOA5S
3043                                .
3040                                .        SOA5S
                                    .           .
                                    .           .
3044                                .           .      36-31E
                                    .           .        .
                                    .           .        .
3057                                .           .        .           .<-------  S67DW
3054                                .           .        .      S67DW
                                    .           .        .        V
                                    .           .        .        V
3058                                .           .        .     R3631W
                                    .           .        .        .
                                    .           .        .        .
3070                                .           .        .        .           .<-------  D26AS
3067                                .           .        .        .     D26AS
                                    .           .        .        .        .
                                    .           .        .        .        .
3071                            C3631E..........................................
                                    V
                                    V
3074                            RES36
                                    V
                                    V
3082                            R3631
                                    .
                                    .
3091                                .        36-31W
                                    .           .
                                    .           .
3101                            C3631W...........
                                    .
                                    .
3108                                .------->  D3631W
```

```
3104                    D3631S
                          .
                          .
3111                CNA5.........
                          .
                          .
3118                      .-------> SNA6S
3114                SNA6W
                          V
                          V
3121                RNA9
                          .
                          .
3132                      .<------- D3631W
3129                    D3631W
                          .
                          .
3137                      .-------> S75EW
3133                  S75ES
                          V
                          V
3140                   R75H
                          .
                          .
3148                CNA75........
                          .
                          .
3156                      .-------> D75NA
3152                DNA75
                          V
                          V
3159                RNA10
                          .
                          .
3170                      .<------- SOA6S
3167                  SOA6S
                          V
                          V
3171                R3531S
                          .
                          .
3180                      .     35-31
                          .       .
                          .       .
3193                      .       .     .<------- S75EW
3190                      .       .   S75EW
                          .       .       V
                          .       .       V
3194                      .       .   R3531W
                          .       .       .
                          .       .       .
3203                  C35-31.......................
                          .
                          .
3210                      .-------> D3531W
3206                  D3531S
                          .
                          .
3213                CNA6........
                          .
                          .
3220                      .-------> SNA7S
3216                SNA7W
                          V
                          V
3223                RNA11
```

```
3234                    <------- D830A
3231                D830A
                        V
                        V
3235                R83F

3246                                <------- D3531W
3243                        D3531W

3247                C83C............

3255                        -------> S83DW
3251                S83DS
                        V
                        V
3258                R83G

3266            CNA83............

3277                -------> D83NA
3270            DNA83
                    V
                    V
3280            RNA12

3293                -------> RES340
3288            RES34

3299                        <------- SOA7S
3296                SOA7S
                        V
                        V
3300                R3431S

3309                            34-31

3323                                -------> D3431R
3319                            RET34

3329                                        <------- S83DW
3326                                    S83DW
                                            V
                                            V
3330                                    R3431W

3339                C34-31......................

3349                        -------> D3431W
3342                D3431S

3352            CNA7............
```


1C714PRINT

```
                 .          .          .
                 .          .          .
3362             .          .          .-------> SNA8S
3356             .          .     SNA8W
                 .          .        V
                 .          .        V
3365             .          .     RNA13
                 .          .          .
                 .          .          .
3376             .          .          .<------- D910A
3373             .          .      D910A
                 .          .          V
                 .          .          V
3377             .          .       R91C
                 .          .          .
                 .          .          .
3388             .          .          .          .<------- D3431W
3385             .          .          .     D3431W
                 .          .          .          .
                 .          .          .          .
3389             .          .       C91B...........
                 .          .          .
                 .          .          .
3399             .          .          .-------> S91BW
3393             .          .      S91BS
                 .          .          V
                 .          .          V
3402             .          .       R91D
                 .          .          .
                 .          .          .
3410             .          .     CNA91...........
                 .          .          .
                 .          .          .
3421             .          .          .-------> D91NA
3414             .          .     DNA91
                 .          .        V
                 .          .        V
3424             .          .     RNA14
                 .          .          .
                 .          .          .
3435             .          .          .<------- S91BW
3432             .          .      S91BW
                 .          .          V
                 .          .          V
3436             .          .     R3331W
                 .          .          .
                 .          .          .
3445             .          .          .      33-31
                 .          .          .          .
                 .          .          .          .
3455             .     C33-31..................................
                 .        V
                 .        V
3458             .     R421S
                 .        .
                 .        .
3466        NULL3...........
                 .
                 .
3469             .      1-22
                 .        .
                 .        .
3483             .        .-------> D122W
3479             .     D122S
                 .        .
                 .        .
```

```
3489                                  .<-------   D27NA
3486                          D27NA
                                  V
                                  V
3490                          R27A
                                  .
                                  .
3501                                          .<-------   D122W
3498                                  D122W
                                          .           .
                                          .           .
3502                          C27A ............
                                  .
                                  .
3512                                  .------->   S27AW
3506                          S27AS
                                  V
                                  V
3515                          R27B
                                  .
                                  .
3523                  CGA27............
                              .
                              .
3534                          .------->   D27GA
3527                  DGA27
                              .
                              .
3537                            2-22
                                  .
                                  .
3551                                  .------->   D222W
3547                          D222S
                                  .
                                  .
3557                                          .<-------   SNA1S
3554                                  SNA1S
                                          V
                                          V
3558                                  R222S
                                          .           .
                                          .           .
3570                                          .           .<-------   S27AW
3567                                          .       S27AW
                                          .           V
                                          .           V
3571                                          .       R222W
                                          .           .           .
                                          .           .           .
3581                          C2-22.......................
                                  .
                                  .
3587                                          .<-------   D35NA
3584                                  D35NA
                                          V
                                          V
3588                                  R35C
                                          .           .
                                          .           .
3599                                          .           .<-------   D222W
3596                                          .       D222W
                                          .           .           .
                                          .           .           .
3600                                  C35B ............
                                          .           .
                                          .           .
```


K/74PRINT

```
3610                                  .-------> S35BW
3604                          S35BS
                                  V
                                  V
3613                          R35D
                                  .
                                  .
3626                                  .-------> S35CS
3621                          S35CE
                                  .
                                  .
3629                  CGA1 ......................
                          .
                          .
3637                      .-------> SGA1S
3633                  SGA1W
                          .
                          .
3643                              .<------- S35CS
3640                      S35CS
                              .
                              .
3644                  CGA35............
                          .
                          .
3655                      .-------> D35GA
3648                  DGA35
                          V
                          V
3658                  RGA1
                          .
                          .
3669                              .<------- SNA2S
3666                      SNA2S
                              V
                              V
3670                      R322S
                              .
                              .
3679                              .       3-22
                                  .         .
                                  .         .
3692                              .         .         .<------- S35BW
3689                              .         .     S35BW
                                  .         .         V
                                  .         .         V
3693                              .         .     R322W
                                  .         .         .
                                  .         .         .
3702                      C3-22.......................
                              .
                              .
3713                          .-------> D322W
3705                      D322S
                              .
                              .
3716                  CGA2 ............
                          .
                          .
3729                      .-------> SGA2S
3720                  SGA2W
                          V
                          V
3732                  RGA2
                          .
                          .
```


S74PRINT

```
3743                    .<-------   D43NA
3740                D43NA
                        V
                        V
3744                R43D
                        .
                        .
3755                    .<-------   D322W
3752                    .       D322W
                        .           .
                        .           .
3756                C43C ............
                        .
                        .
3766                    .------->   S43CW
3760                S43CS
                        V
                        V
3769                R43E
                        .
                        .
3777            CGA43............
                        .
                        .
3788                    .------->   D43GA
3781            DGA43
                    V
                    V
3791            RGA3
                        .
                        .
3802                    .<-------   SNA3S
3799                SNA3S
                        V
                        V
3803                R422S
                        .
                        .
3812                    .       4-22
                        .           .
                        .           .
3825                    .           .           .<-------   S43CW
3822                    .           .       S43CW
                        .           .           V
                        .           .           V
3826                    .           .       R422W
                        .           .           .
                        .           .           .
3835                R422S...........................
                        .
                        .
3842                    .------->   D422W
3838                D422S
                        .
                        .
3845            CGA3 ............
                        .
                        .
3853                    .------->   SGA3S
3849            SGA3W
                    V
                    V
3856            RGA4
                        .
                        .
3867                    .<-------   D51NA
```


1C/L4PRINT

```
3864                    D51NA
                            V
                            V
3868                    R51F
                            .
                            .
3879                        .<-------   D422W
3876                        .       D422W
                            .           .
                            .           .
3880                    C51C ............
                            .
                            .
3888                        .------->   S51DW
3884                    S51DS
                            V
                            V
3891                    R51G
                            .
                            .
3899                CGA51............
                        .
                        .
3907                    .------->   D51GA
3903                DGA51
                        V
                        V
3910                RGA5
                        .
                        .
3921                        .<-------   SNA4S
3918                    SNA4S
                            V
                            V
3922                    R522S
                            .
                            .
3931                        .       5-22
                            .           .
                            .           .
3944                        .           .       .<-------   S51DW
3941                        .           .   S51DW
                            .           .       V
                            .           .       V
3945                        .           .   R522W
                            .           .       .
                            .           .       .
3954                    C5-22........................
                            .
                            .
3961                        .------->   D522W
3957                    D522S
                            .
                            .
3964                CGA4 ............
                        .
                        .
3973                    .------->   SGA4S
3968                SGA4W
                        V
                        V
3976                RGA6
                        .
                        .
3987                        .<-------   D59NA
3984                    D59NA
```

```
                    V
                    V
3988            R59G
                    .
3999                .<-------  D522W
3996                .      D522W
                    .          .
4000            C59D ...........
                    .
4008                .------->  S59DW
4004            S59DS
                    V
                    V
4011            R59H
                    .
4019        CGA59...........
                    .
4029                .------->  D59GA
4023        DGA59
                    .
4035                .<-------  D67NA
4032            D67NA
                    .
4039                .<-------  SNA5S
4036                .      SNA5S
                    .          V
                    .          V
4040                .      R622ES
                    .          .
4049                .          .      6-22E
                    .          .        .
4062                .          .        .<-------  S59DW
4059                .          .        .     S59DW
                    .          .        .         V
                    .          .        .         V
4063                .          .        .     R622EW
                    .          .        .        .
4075                .          .        .        .<-------  D59GA
4072                .          .        .        .     D59GA
                    .          .        .        .        .
4076            C6-22E..........................................
                    .
4079                .      8-22E
                    .          .
4092                .          .        .<-------  SGA4S
4089                .          .      SGA4S
                    .          .        V
                    .          .        V
4093                .          .      R822ES
                    .          .        .
4102                .      C8-22E...........
                    .          .
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4111                                  .-------> D822ES
4105                          D822EW
                                   V
                                   V
4114                           RGR3
                                   .
                                   .
4124                     C622EA............
                              V
                              V
4127                      RES6
                              V
                              V
4139                     R622WW
                              .
                              .
4148                           .      6-22W
                              .          .
                              .          .
4158                     C6-22W............
                              .
                              .
4168                          .-------> D622WW
4161                     D622WS
                              .
                              .
4171                CGA5 ............
                          .
                          .
4179                      .-------> SGA5S
4175                SGA5W
                       V
                       V
4182                RGA7
                          .
                          .
4193                          .<------- D622WW
4190                     D622WW
                              .
                              .
4200                          .-------> S67EW
4194                      S67ES
                              V
                              V
4203                      R67I
                              .
                              .
4211                CGA67............
                          .
                          .
4219                      .-------> D67GA
4215                DGA67
                       V
                       V
4222                 RGA8
                          .
                          .
4233                          .<------- SNA6S
4230                      SNA6S
                              V
                              V
4234                      R121S
                              .
                              .
4243                          .      1-21
```

```
4257                                                  .-------> D1-21
4253                                          RET1
                                                      .
                                                      .
4263                                                  .<-------  S67EW
4260                                          S67EW
                                                      .
                                                      .
4269                                                  .-------> RES100
4264                                          RES1
                                                      V
                                                      V
4272                                          R121W
                                                      .
                                                      .
4281                                  C1-21.......................
                                                      .
                                                      .
4291                                                  .-------> D121W
4284                                  D121S
                                                      .
                                                      .
4294                          CGA6............
                                      .
                                      .
4302                                  .-------> SGA6S
4298                          SGA6W
                                      V
                                      V
4305                          RGA9
                                      .
                                      .
4316                                  .<-------  D75NA
4313                                  D75NA
                                      V
                                      V
4317                                  R75I
                                      .
                                      .
4328                                                  .<-------  D121W
4325                                          D121W
                                                      .
                                                      .
4329                                  C75D............
                                      .
                                      .
4339                                  .-------> S75FW
4333                                  S75FS
                                      V
                                      V
4342                                  R75J
                                      .
                                      .
4350                          CGA75...........
                                      .
                                      .
4358                                  .-------> D75GA
4354                          DGA75
                                      V
                                      V
4361                          RGA10
                                      .
                                      .
4372                                  .<-------  SNA7S
```

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4369                    SNA7S
                          V
                          V
4373                    R221S
                          .
                          .
4382                      .        2-21
                          .          .
                          .          .
4395                      .          .          .<-------   S75FW
4392                      .          .      S75FW
                          .          .          V
                          .          .          V
4396                      .          .      R221W
                          .          .          .
                          .          .          .
4405                    C2-21.......................
                          .
                          .
4415                      .-------->   D221W
4408                    D221S
                          .
                          .
4418                CGA7............
                          .
                          .
4426                      .-------->   SGA7S
4422                SGA7W
                          V
                          V
4429                RGA11
                          .
                          .
4440                      .<-------   D83NA
4437                    D83NA
                          .
                          .
4444                      .          .<-------   D221W
4441                      .      D221W
                          .          .
                          .          .
4445                     C83D............
                          .
                          .
4455                      .-------->   S83EW
4449                    S83ES
                          V
                          V
4458                     R83I
                          .
                          .
4466                CGA83...........
                          .
                          .
4477                      .-------->   D83GA
4470                DGA83
                          V
                          V
4480                RGA12
                          .
                          .
4491                      .<-------   SNA8S
4488                    SNA8S
                          V
                          V
4492                    R321S
```

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4501                          3-21
                                 .
4514                             .<-------   S83EW
4511                             .     S83EW
                                 .        V
                                 .        V
4515                             .     R321W
                                 .        .
                                 .        .
4524                   C3-21.....................
                          .
4531                      .------->   D321W
4527                   D321S
                          .
4534              CGA8............
                          .
4544                      .------->   SGA8S
4538              SGA8W
                     V
                     V
4547              RGA13
                          .
4558                      .<-------   D91NA
4555                   D91NA
                          V
                          V
4559                   R91E
                          .
                          .
4570                      .           .<-------   D321W
4567                      .        D321W
                          .           .
                          .           .
4571                   C91C............
                          .
4579                      .------->   S91CW
4575                   S91CS
                          V
                          V
4582                   R91F
                          .
                          .
4590              CGA91...........
                          .
4601                      .------->   D91GA
4594              DGA91
                     V
                     V
4604              RGA14
                          .
4612                   4-21
                          .
4626                      .------->   D4-21
4622                   RET4
                          .
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4632                                  .<-------   S91CW
4629                            S91CW
                                    V
                                    V
4633                            R421W
                                    .
                                    .
4642                  C4-21............
                                    .
                                    .
4649                                .------->   D421W
4645                  D421S
                                    .
                                    .
4652            CGA9............
                    .
                    .
4662                .------->   SGA9S
4656            SGA9W
                    V
                    V
4665            RGA15
                    .
                    .
4676                                .<-------   D421W
4673                  D421W
                                    V
                                    V
4677                   R99A
                                    .
                                    .
4685            CGA99...........
                    .
                    .
4696                .------->   D99GA
4689            DGA99
                    .
                    .
4699                  5-21
                                    .
                                    .
4709            C5-21...........
                    .
                    .
4712      NULL4............
                    .
                    .
4715            11-22
                    .
                    .
4729                .------->  D1122W
4725          D1122S
                    .
                    .
4735                                .<-------   SGA1S
4732                  SGA1S
                                    V
                                    V
4736                 R1122S
                                    .
                                    .
4745          C11-22............
                    .
                    .
4754                .------->  SD31AS
```

```
4748          SD31A
4762                  -------> SBH1W
4757          SBH1E
                  V
                  V
4765          RBH1
4776                  <------- D27GA
4773                  D27GA
                          V
                          V
4777                  R27C
4785                          12-22
4795          CBH27.......................
4806                  -------> D27BH
4799          DBH27
4812                  <------- D35GA
4809                  D35GA
                          V
                          V
4813                  R35E
4824                          <------- D1122W
4821                          D1122W
4825                  C35C............
                          V
                          V
4829                  R35F
4842                          <------- SBH1W
4837                          SBH1W
                                  V
                                  V
4843                          RBH2
4854                                   <------- SGA2S
4851                                   SGA2S
                                           V
                                           V
4855                                   R1022S
4864                                           10-22
4874                                   C10-22............
4883                                           -------> SD39AS
4877                                   SD39A
```


KC14PRINT

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4890                                                  .-------> D1022W
4886                                          D1022E
4893          CBH35.................................
4904                  .-------> D35BH
4897          DBH35
4910                          .<-------  D43GA
4907                  D43GA
                          V
                          V
4911                  R43F
4922                                      .<-------  D1022W
4919                              D1022W
4923                  C43D ............
4933                          .-------> S43DW
4927                  S43DS
                          V
                          V
4936                  R43G
4944          CBH43............
4955                  .-------> D43BH
4948          DBH43
                  V
                  V
4958          RBH3
4969                          .<-------  SGA3S
4966                  SGA3S
                          V
                          V
4970                  R922S
4979                              9-22
4992                                                  .<-------  S43DW
4989                                          S43DW
                                                  V
                                                  V
4993                                          R922W
5002                  C9-22.......................
5009                          .-------> D922W
5005                  D922S
```

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5012          CBH1 ............
                   .
5021               .-------> SBH2S
5016          SBH2W
                   V
                   V
5024          RBH4
                   .
                   .
5035               .<------- D51GA
5032               .     D51GA
                   .        V
                   .        V
5036               .     R51H
                   .        .
                   .        .
5047               .        .<------- D922W
5044               .        .     D922W
                   .        .        .
                   .        .        .
5048               .     C51D ............
                   .        .
                   .        .
5056               .        .-------> S51EW
5052               .     S51ES
                   .        V
                   .        V
5059               .     R51I
                   .        .
                   .        .
5067          CBH51............
                   .
                   .
5075               .-------> D51BH
5071          DBH51
                   .
                   .
5081               .        .<------- S51EW
5078               .     S51EW
                   .        V
                   .        V
5082               .    R822EW
                   .        .
                   .        .
5094               .        .        .<------- D822ES
5091               .        .     D822ES
                   .        .        .
                   .        .        .
5095               .    C822E1............
                   .        V
                   .        V
5098               .     RES8
                   .        V
                   .        V
5106               .    R822WW
                   .        .
                   .        .
5115               .        .     8-22W
                   .        .        .
                   .        .        .
5129               .        .        .-------> D822WW
5125               .        .     D822WS
                   .        .        .
```

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5132        C8-22W.......................
                 .
                 .
5139             .-------> SBH3S
5135        SBH3W
                 V
                 V
5142        RBH5
                 .
                 .
5153             .<-------  D822WW
5150             .     D822WW
                 .          .
                 .          .
5158             .          .-------> S59EW
5154             .      S59ES
                 .          V
                 .          V
5161             .      R59I
                 .          .
                 .          .
5169        CBH59............
                 .
                 .
5177             .-------> D59BH
5173        DBH59
                 V
                 V
5180        RBH6
                 .
                 .
5191             .          .<-------  SGA5S
5188             .      SGA5S
                 .          V
                 .          V
5192             .      R722S
                 .          .
                 .          .
5201             .          .       7-22
                 .          .          .
                 .          .          .
5214             .          .          .          .<-------  S59EW
5211             .          .          .      S59EW
                 .          .          .          V
                 .          .          .          V
5215             .          .          .      R722W
                 .          .          .          .
                 .          .          .          .
5224             .      C7-22........................
                 .          .
                 .          .
5231             .          .-------> D722W
5227             .      D722S
                 .          .
                 .          .
5234        CBH2 ............
                 .
                 .
5242             .-------> SBH4S
5238        SBH4W
                 V
                 V
5245        RBH7
                 .
                 .
```

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5256                                  .<-------   D67GA
5253                          D67GA
                                 V
                                 V
5257                          R67J
                                 .
                                 .
5268                                          .<-------   D722W
5265                                   D722W
                                                 .
                                                 .
5269                          C67E .............
                                 .
                                 .
5277                                 .------->   S67FW
5273                          S67FS
                                 V
                                 V
5280                          R67K
                                 .
                                 .
5288                     CBH67............
                                 .
                                 .
5296                             .------->   D67BH
5292                     DBH67
                            V
                            V
5299                      RBH8
                                 .
                                 .
5310                                 .<-------   SGA6S
5307                          SGA6S
                                 V
                                 V
5311                          R1221S
                                 .
                                 .
5320                                 .       12-21
                                 .           .
                                 .           .
5334                                 .           .------->  D1221R
5330                                 .       RET12
                                 .           .
                                 .           .
5340                                 .           .          .<-------   S67FW
5337                                 .           .      S67FW
                                 .           .          V
                                 .           .          V
5341                                 .           .      R1221W
                                 .           .          .
                                 .           .          .
5350                          C12-21........................
                                 .
                                 .
5357                                 .------->  D1221W
5353                          D1221S
                                 .
                                 .
5360                       CBH3............
                                 .
                                 .
5368                             .------->   SBH5S
5364                       SBH5W
                            V
                            V
```

```
5371          RBH9
5382                    .<-------   D75GA
5379                D75GA
                        V
                        V
5383                R75K
5394                            .<-------  D1221W
5391                        D1221W
5395                C75E............
5403                    .------->   S75GW
5399                S75GS
                        V
                        V
5406                R75L
5414          CBH75............
5422                    .------->   D75BH
5418          DBH75
                  V
                  V
5425          RBH10
5436                    .<-------   SGA7S
5433                SGA7S
                        V
                        V
5437              R1121S
5446                        11-21
5460                            .------->  D1121R
5456                        RET11
5466                                        .<-------   S75GW
5463                                    S75GW
                                            V
                                            V
5467                                    R1121W
5476              C11-21........................
5483                    .------->  D1121W
5479              D1121S
5486          CBH4............
5494                    .------->   SBH6S
```

```
5490          SBH6W
                V
                V
5497          RBH11

5508                    <-------  D83GA
5505                D83GA
                        V
                        V
5509                R83J

5520                                <-------  D1121W
5517                        D1121W

5521                C83E............

5529                        -------->  S83FW
5525                S83FS
                        V
                        V
5532                R83K

5540          CBH83............

5550                    -------->  D83BH
5544          DBH83
                V
                V
5553          RBH12

5564                    <-------  SGA8S
5561                SGA8S
                        V
                        V
5565                R1021S

5574                        10-21

5588                                -------->  D1021R
5584                        RET10

5594                                        <-------  S83FW
5591                                    S83FW
                                            V
                                            V
5595                                    R1021W

5604                C10-21......................

5611                        -------->  D1021W
5607                D1021S

5617                                <-------  D91GA
```

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5614                                D91GA
                                      V
                                      V
5618                                R91G
                                      .
                                      .
5629                                      .<-------  D1021W
5626                                  D1021W
                                          .
                                          .
5630                                C91D............
                                      .
                                      .
5638                                  .------->   S91DW
5634                                S91DS
                                      V
                                      V
5641                                R91H
                                      .
                                      .
5649                        CBH5.......................
                              V
                              V
5653                      RES10
                              .
                              .
5668                          .------->   SBH7S
5662                      SBH7W
                              .
                              .
5675                          .------->   D91BH
5671                      DBH91
                              V
                              V
5678                      RBH13
                              .
                              .
5689                              .<-------   SGA9S
5686                          SGA9S
                                  V
                                  V
5690                          R921S
                                  .
                                  .
5699                                9-21
                                      .
                                      .
5712                                      .<-------   S91DW
5709                                  S91DW
                                          V
                                          V
5713                                  R921W
                                          .
                                          .
5722                          C9-21.......................
                                  .
                                  .
5729                              .------->   D921W
5725                          D921S
                                  .
                                  .
5735                                      .<-------   D99GA
5732                                D99GA
                                      V
                                      V
5736                                R99B
```

```
5747                                                  <-------  D921W
5744                                          D921W
5748                                     C99A............
5757                                                  ------->  S99AW
5752                                     S99AS
                                            V
                                            V
5760                                     R99C
5768                          CBH6........................
                                 V
                                 V
5772                          RES9
5787                                 ------->  SBH8S
5781                          SBH8W
5794                                 ------->  D99BH
5790                          DBH99
                                 V
                                 V
5797                          RBH14
5805                                8-21E
5818                                                  <-------  S99AW
5815                                     S99AW
                                            V
                                            V
5819                                     R821EW
5828                                C8-21E............
5835                                                  ------->  D821EW
5831                                D821ES
5838                          CBH7............
                                 V
                                 V
5841                          RES8S
5849                                8-21W
5859                          C8-21W............
5865                                                  <-------  D821EW
5862                                D821EW
                                       V
                                       V
```


K/14PRINT

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5866                .           .       RES8N
                    .           .           .
                    .           .           .
5874        NULL5.......................
                    .
                    .
5880                .           .<-------   D27BH
5877                .       D27BH
                    .           V
                    .           V
5881                .       R27D
                    .           .
                    .           .
5889                .           .       13-22
                    .           .           .
                    .           .           .
5899                .           .           .       14-22
                    .           .           .           .
                    .           .           .           .
5913                .           .           .           .           .<-------  SD31AS
5909                .           .           .           .      SD31AS
                    .           .           .           .           .
                    .           .           .           .           .
5914                .           .           .      CSD31B............
                    .           .           .           .
                    .           .           .           .
5923                .           .           .           .-------> SD31BS
5917                .           .           .      SD31B
                    .           .           .           .
                    .           .           .           .
5930                .           .           .           .-------> D1422W
5926                .           .           .      D1422E
                    .           .           .           .
                    .           .           .           .
5933                .       CCB27........................
                    .           .
                    .           .
5944                .           .------->   D27CB
5937                .       DCB27
                    .           .
                    .           .
5950                .           .           .<-------   D35BH
5947                .           .       D35BH
                    .           .           V
                    .           .           V
5951                .           .       R35G
                    .           .           .
                    .           .           .
5962                .           .           .           .<-------  D1422W
5959                .           .           .      D1422W
                    .           .           .           .
                    .           .           .           .
5963                .           .           .           .      15-22
                    .           .           .           .           .
                    .           .           .           .           .
5977                .           .           .           .           .           .<-------  SD39AS
5973                .           .           .           .           .      SD39AS
                    .           .           .           .           .           .
                    .           .           .           .           .           .
5978                .           .           .           .      CSD39B............
                    .           .           .           .           .
                    .           .           .           .           .
5987                .           .           .           .           .-------------------> SD39BS
5981                .           .           .           .      SD39B
                    .           .           .           .           .
                    .           .           .           .           .
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5994                                                  .-------> D1522W
5990                                            D1522E
                                                     .
5997          CCB35.................................
                 .
6008             .-------> D35CB
6001          DCB35
                 .
                 .
6014             .<-------  D43BH
6011             .      D43BH
                 .          V
                 .          V
6015             .      R43H
                 .          .
6026             .          .<-------  D1522W
6023             .      D1522W
                 .          .
                 .          .
6027             .      C43E .............
                 .          .
                 .          .
6037             .          .-------> S43EW
6031             .      S43ES
                 .          V
                 .          V
6040             .      R43I
                 .          .
                 .          .
6051             .          .<-------  D51BH
6048             .      D51BH
                 .          V
                 .          V
6052             .      RGR4
                 .          .
                 .          .
6065             .          .          .<-------  SBH2S
6062             .          .      SBH2S
                 .          .          V
                 .          .          V
6066             .          .      R1622S
                 .          .          .
                 .          .          .
6075             .          .          .      16-22E
                 .          .          .          .
                 .          .          .          .
6088             .          .          .          .          .<-------  S43EW
6085             .          .          .          .      S43EW
                 .          .          .          .          V
                 .          .          .          .          V
6089             .          .          .          .      R1622W
                 .          .          .          .          .
                 .          .          .          .          .
6098             .          .      C1622E..................................
                 .          .          V
                 .          .          V
6101             .          .      RGR5
                 .          .          .
                 .          .          .
6111             .      CCB43.........................
                 .
                 .
6122             .-------> D43CB
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6115          .      DCB43
              .        .
              .        .
6125          .        .      16-22W
              .        .        .
              .        .        .
6139          .        .        .-------> D1622W
6135          .        .      D1622S
              .        .        .
              .        .        .
6142          .      CCB1 ............
              .        .
              .        .
6150          .        .------->   SCB1S
6146          .      SCB1W
              .        V
              .        V
6153          .      RCB1
              .        .
              .        .
6164          .        .        .<------- D1622W
6161          .        .      D1622W
              .        .        .
              .        .        .
6169          .        .        .------->   S51FW
6165          .        .       S51FS
              .        .          V
              .        .          V
6172          .        .       R51J
              .        .        .
              .        .        .
6180          .      CCB51............
              .        .
              .        .
6188          .        .------->   D51CB
6184          .      DCB51
              .        V
              .        V
6191          .      RCB2
              .        .
              .        .
6202          .        .        .<-------   SBH3S
6199          .        .       SBH3S
              .        .          V
              .        .          V
6203          .        .      R1722S
              .        .        .
              .        .        .
6212          .        .        .      17-22
              .        .        .        .
              .        .        .        .
6225          .        .        .        .          .<-------   S51FW
6222          .        .        .        .      S51FW
              .        .        .        .         V
              .        .        .        .         V
6226          .        .        .        .     R1722W
              .        .        .        .        .
              .        .        .        .        .
6235          .        .      C17-22.......................
              .        .        .
              .        .        .
6242          .        .        .-------> D1722W
6238          .        .      D1722S
              .        .        .
              .        .        .
6245          .      CCB2 ............
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                 .          .
                 .          .
6253             .          .-------> SCB2S
6249             .     SCB2W
                 .        V
                 .        V
6256             .     RCB3
                 .          .
                 .          .
6267             .          .<------- D59BH
6264             .          .     D59BH
                 .          .        V
                 .          .        V
6268             .          .     R59J
                 .          .          .
                 .          .          .
6279             .          .          .<------- D1722W
6276             .          .          .     D1722W
                 .          .          .          .
                 .          .          .          .
6280             .          .     C59E .............
                 .          .          .
                 .          .          .
6288             .          .          .-------> S59FW
6284             .          .     S59FS
                 .          .        V
                 .          .        V
6291             .          .     R59K
                 .          .          .
                 .          .          .
6299             .     CCB59.............
                 .          .
                 .          .
6310             .          .-------> D59CB
6303             .     DCB59
                 .        V
                 .        V
6313             .     RCB4
                 .          .
                 .          .
6324             .          .<------- SBH4S
6321             .          .     SBH4S
                 .          .        V
                 .          .        V
6325             .          .     R1822S
                 .          .          .
                 .          .          .
6334             .          .          .     18-22
                 .          .          .          .
                 .          .          .          .
6347             .          .          .          .<------- S59FW
6344             .          .          .          .     S59FW
                 .          .          .          .        V
                 .          .          .          .        V
6348             .          .          .          .     R1822W
                 .          .          .          .          .
                 .          .          .          .          .
6357             .          .     C18-22.......................
                 .          .          .
                 .          .          .
6364             .          .          .-------> D1822W
6360             .          .     D1822S
                 .          .          .
                 .          .          .
6367             .     CCB3 .............
                 .          .
```


K/14PRINT

```
6375                  .-------> SCB3S
6371            SCB3W
                    V
                    V
6378            RCB5

6389                        .<-------  D67BH
6386                  D67BH
                        V
                        V
6390                  R67L

6401                                .<-------  D1822W
6398                        D1822W
6402                  C67F ............

6410                        .-------> S67GW
6406                  S67GS
                        V
                        V
6413                  R67M

6421            CCB67............

6429                  .-------> D67CB
6425            DCB67
                    V
                    V
6432             RCB6

6443                        .<-------  SBH5S
6440                  SBH5S
                        V
                        V
6444                R1321S

6453                        13-21

6466                                          .<-------  S67GW
6463                                    S67GW
                                            V
                                            V
6467                                  R1321W

6476                C13-21......................

6483                        .-------> D1321W
6479                D1321S

6486            CCB4............
```

```
6493                .-------> SCB4S
6489            SCB4W
                    V
                    V
6496             RCB7
                    .
                    .
6507                    .<-------  D75BH
6504                D75BH
                        V
                        V
6508                R75M
                        .
                        .
6519                    .          .<-------  D1321W
6516                    .      D1321W
                        .          .
                        .          .
6520                C75F.............
                        .
                        .
6528                    .-------> S75HW
6524                S75HS
                        V
                        V
6531                R75N
                        .
                        .
6539            CCB75............
                    .
                    .
6547                .-------> D75CB
6543            DCB75
                    V
                    V
6550             RCB8
                    .
                    .
6561                    .<-------  SBH6S
6558                SBH6S
                        V
                        V
6562               R1421S
                        .
                        .
6574                    .          .<-------  S75HW
6571                    .      S75HW
                        .          V
                        .          V
6575                    .      R1421W
                        .          .
                        .          .
6584                    .          .      14-21E
                        .          .          .
                        .          .          .-------> D1421R
6598                    .          .
6594                    .          .      RET14E
                        .          .          .
                        .          .          .
6601               C1421E.......................
                        .
                        .
6607                    .-------> D1421X
6604               D1421E
                        .
                        .
```


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```
6610                                  14-21W
                                         .
                                         .
6624                                     .-------> D1421P
6620                                  RET14W
                                         .
                                         .
6627                           C1421W............
                                  .
                                  .
6634                              .-------> D1421W
6630                           D1421S
                                  .
                                  .
6637                     CCB5............
                              .
                              .
6645                          .-------> SCB5S
6641                     SCB5W
                              V
                              V
6648                     RCB9
                              .
                              .
6659                              .<------- D1421X
6656                           D1421X
                                  V
                                  V
6660                           RES14E
                                  .
                                  .
6671                                     .<------- D83BH
6668                                  D83BH
                                         V
                                         V
6672                                   R83L
                                         .
                                         .
6683                                     .         .<------- D1421W
6680                                     .      D1421W
                                         .         .
                                         .         .
6684                              C83F.......................
                                  .
                                  .
6692                              .-------> S83GW
6688                           S83GS
                                  V
                                  V
6695                              R83M
                                  .
                                  .
6703                     CCB83............
                              .
                              .
6711                          .-------> D83CB
6707                     DCB83
                              V
                              V
6714                     RCB10
                              .
                              .
6725                              .<------- SBH7S
6722                           SBH7S
                                  V
                                  V
```


C714PRINT

```
6726                    R1521S
                          :
6735                      :      15-21
                          :        :
6749                      :        :-------> D15
6745                      :      RET15
                          :        :
6755                      :        :        <------- S83GW
6752                      :        :     S83GW
                          :        :       V
                          :        :       V
6756                      :        :    R1521W
                          :        :       :
6765                    C15-21.....:       :
                          :                :
6772                      :-------> D1521W
6768                    D1521S
                          :
6775                CCB6.....
                          :
6782                      :-------> SCB6S
6778                SCB6W
                          V
                          V
6785                RCB11
                          :
6796                      :<------- D91BH
6793                  D91BH
                          :
6800                      :        :<------- D1521W
6797                      :      D1521W
                          :        :
6801                    C91E.....  :
                          :        :
6809                      :-------> S91EW
6805                  S91ES
                          V
                          V
6812                    R91J
                          :
6820                CCB91.....
                          :
6828                      :-------> D91CB
6824                DCB91
                          V
                          V
6831                RCB12
                          :
6842                      :<------- SBH8S
6839                  SBH8S
                          V
                          V
```


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```
6843                R1621S
6852                        16-21
6865                                    .<-------   S91EW
6862                                S91EW
                                        V
                                        V
6866                                R1621W
6875                C16-21.......................
6882                        .-------> D1621W
6878                D1621S
6885            CCB7............
6892                .------->   SCB7S
6888            SCB7W
                    V
                    V
6895            RCB13
6906                        .<-------   D99BH
6903                D99BH
6910                                .<-------  D1621W
6907                        D1621W
6911                C99B............
6919                        .------->   S99BW
6915                S99BS
                        V
                        V
6922                R99E
6930            CCB99............
6938                .------->   D99CB
6934            DCB99
                    V
                    V
6941            RCB14
6949                17-21E
6962                                .<-------   S99BW
6959                        S99BW
                                V
                                V
6963                        R1721W
```

```
6972                C1721E............
                    .
6979                .-------> D1721W
6975                D1721S
                    .
6982            CCB8............
                .
6989            .-------> SCB8S
6985            SCB8W
                V
                V
6992            RCB15
                .
7003            .<------- D1721W
7000            D1721W
                .
7004            CCB107............
                .
7012            .-------> D107CB
7008            DCB107
                .
7015            17-21W
                V
                V
7025            R1821W
                .
7034            .       18-21
                .
7044            C18-21........................
                .
7047        NULL6............
                .
7050            23-22
                .
7064            .<------- SD31BS
7060            SD31BS
                .
7065            CSD31C............
                .
7074            .-------> SD31CS
7068            SD31C
                .
7081            .-------> D2322W
7077            D2322E
                .
7087            .<------- D27CB
7084            D27CB
                V
```

```
7088                    V
                     R27E
                        .
7096                    .      24-22
                        .        .
7106              CIS27.........................
                        .
7117                    .-------> D27IS
7110              DIS27
                        .
7123                    .<-------  D35CB
7120                 D35CB
                        V
                        V
7124                 R35H
                        .
                        .
7135                    .                .<-------  D2322W
7132                    .      D2322W
                        .        .
                        .        .
7136                 C35D .............
                        V
                        V
7140                 R35I
                        .
                        .
7148              CIS35............
                        .
7155                    .<-------  D43CB
7152                 D43CB
                        .
                        .
7160                    .-------> SD43AS
7156                SD43A
                        V
                        V
7163                 RGR6
                        .
                        .
7173                    .      22-22E
                        .        .
                        .        .
7187                    .        .                .<-------  SD39BS
7183                    .        .      SD39BS
                        .        .        .
                        .        .        .
7188                SD2222E.........................
                        .
                        .
7197                    .-------> SD39CS
7191                SD39C
                        V
                        V
7200                 RGR7
                        .
                        .
7210              CIS35A............
                        .
                        .
7221                    .-------> D35IS
```


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```
7214          DIS35
7228                  .-------> SIS1AS
7224      SIS1AW
7231                  22-22W
7245                          .-------> D2222W
7241                  D2222S
7252                                  .<------- SD39CS
7248                          SD39CS
7253      C2222W.......................
7264                  .-------> SIS1S
7256      SIS1W
              V
              V
7267      RIS1
7278                          .<------- D2222W
7275                  D2222W
7283                                  .<------- SD43AS
7279                          SD43AS
7284                  CSD43A............
7294                          .-------> S43FW
7288                  S43FS
              V
              V
7297                  R43J
7305      CIS43............
7316                  .-------> D43IS
7309      DIS43
              V
              V
7319      RIS2
7330                          .<------- SCB1S
7327                  SCB1S
              V
              V
7331                  R2122S
7340                          21-22
```


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```
7353                                                  .<-------   S43FW
7350                                            S43FW
                                                    V
                                                    V
7354                                            R2122W
                                                    .
                                                    .
7363                        C21-22.......................
                                    .
                                    .
7370                                .-------> D2122W
7366                        D2122S
                                    .
                                    .
7373                CIS1 ............
                            .
                            .
7382                        .-------> SIS2SA
7377            SIS2WA
                            .
                            .
7391                        .------->  SIS2S
7385                SIS2W
                        V
                        V
7394                RIS3
                            .
                            .
7405                                .<-------   D51CB
7402                        D51CB
                                V
                                V
7406                        R51K
                                    .
                                    .
7417                                                .<-------  D2122W
7414                                        D2122W
                                                    .
                                                    .
7418                        C51E ............
                                    .
                                    .
7428                                .------->   S51GW
7422                        S51GS
                                V
                                V
7431                        R51L
                                    .
                                    .
7439                CIS51............
                            .
                            .
7450                        .------->   D51IS
7443                DIS51
                        V
                        V
7453                RIS4
                            .
                            .
7464                                .<-------   SCB2S
7461                        SCB2S
                                V
                                V
7465                        R2022S
                                    .
                                    .
```

```
7474                                  20-22
                                        .
                                        .
7487                                    .<-------   S51GW
7484                                    .
                                      S51GW
                                        V
                                        V
7488                                  R2022W
                                        .
                                        .
7497                        C20-22.......................
                                        .
                                        .
7504                                    .-------> D2022W
7500                        D2022S
                                        .
                                        .
7507                   CIS2 ............
                            .
                            .
7518                        .------->   SIS3S
7511                   SIS3W
                            V
                            V
7521                   RIS5
                            .
                            .
7532                                    .<-------   D59CB
7529                        D59CB
                                V
                                V
7533                        R59L
                                .
                                .
7544                                    .<-------  D2022W
7541                                D2022W
                                        .
                                        .
7545                        C59F ............
                                .
                                .
7555                            .------->   S59GW
7549                        S59GS
                                V
                                V
7558                        R59M
                                .
                                .
7566                   CIS59............
                            .
                            .
7577                        .------->   D591S
7570                   DIS59
                            V
                            V
7580                   RIS6
                            .
                            .
7591                            .<-------   SCB3S
7588                        SCB3S
                                V
                                V
7592                        R1922S
                                .
                                .
7601                            .       19-22
```


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```
                 :         :         :         V
                 :         :         :         V
7611             :         :         :       PAGC
                 :         :         :         :
                 :         :         :         :
7622             :         :         :         :          .<-------   S59GW
7619             :         :         :         :      S59GW
                 :         :         :         :          V
                 :         :         :         :          V
7623             :         :         :         :     R1922W
                 :         :         :         :          :
                 :         :         :         :          :
7632             :         :     C19-22.......................
                 :         :         :
                 :         :         :
7639             :         :         :-------> D1922W
7635             :         :     D1922S
                 :         :         :
                 :         :         :
7642             :       CIS3 ............
                 :         :
                 :         :
7652             :         :-------> SIS4S
7646             :       SIS4W
                 :         :
                 :         :
7658             :         :         :<-------   D67CB
7655             :         :      D67CB
                 :         :         V
                 :         :         V
7659             :         :      R67N
                 :         :         :
                 :         :         :
7670             :         :         :         :<-------  D1922W
7667             :         :         :     D1922W
                 :         :         :         :
                 :         :         :         :
7671             :         :      C67G ............
                 :         :         :
                 :         :         :
7680             :         :         :-------> S67HW
7675             :         :      S67HS
                 :         :         :
                 :         :         :
7683             :       CIS67............
                 :         :
                 :         :
7696             :         :-------> D67IS
7687             :       DIS67
                 :         :
                 :         :
7702             :         :         :<-------   S67HW
7699             :         :      S67HW
                 :         :         V
                 :         :         V
7703             :         :     R2421W
                 :         :         :
                 :         :         :
7712             :         :         :     24-21N
                 :         :         :         :
                 :         :         :         :
7725             :         :         :         :          .<-------   SCB4S
7722             :         :         :         :      SCB4S
                 :         :         :         :          V
                 :         :         :         :          V
7726             :         :         :         :     R2421S
```

```
7735                C2421N.......................
                        V
                        V
7738                RES24N
                        .
7747                    .      24-21S
                        .          .
                        .          .
7757                C2421S............
                        .
                        .
7764                    .-------> D2421W
7760                D2421S
                        .
                        .
7767            CIS5............
                    .
                    .
7774                .-------> SIS5S
7770            SIS5W
                    V
                    V
7777            RIS8
                    .
                    .
7787                    .<------- D75CB
7785                D75CB
                        .
                        .
7791                    .          .<------- D2421W
7788                    .      D2421W
                        .          .
                        .          .
7792                C75F1............
                        .
                        .
7800                    .-------> S75IW
7796                S75IS
                        V
                        V
7803                R75O
                        .
                        .
7811            CIS75............
                    .
                    .
7824                .-------> D75IS
7815            DIS75
                    V
                    V
7827            RIS9
                    .
                    .
7838                    .<------- SCB5S
7835                SCB5S
                        V
                        V
7839                R2321S
                        .
                        .
7848                    .      23-21
                        .          .
                        .          .
```

```
7861                                                  .<-------   S75IW
7858                                            S75IW
                                                    V
                                                    V
7862                                          R2321W
                                                    .
                                                    .
7871                        C23-21.......................
                                  .
                                  .
7878                              .-------> D2321W
7874                        D2321S
                                  .
                                  .
7881                  CIS6............
                                  .
                                  .
7890                              .------->   SIS6S
7884                  SIS6W
                          V
                          V
7893                  RIS10
                                  .
                                  .
7904                              .<-------   D83CB
7901                      D83CB
                              V
                              V
7905                       R83N
                                  .
                                  .
7916                              .                .<-------  D2321W
7913                              .        D2321W
                                  .                .
                                  .                .
7917                       C83G............
                                  .
                                  .
7925                              .------->   S83HW
7921                      S83HS
                              V
                              V
7928                       R83O
                                  .
                                  .
7936                  CIS83............
                                  .
                                  .
7947                              .------->   D83IS
7940                  DIS83
                          V
                          V
7950                  RIS11
                                  .
                                  .
7961                              .<-------   SCB6S
7958                      SCB6S
                              V
                              V
7962                    R2221S
                                  .
                                  .
7971                              .        22-21
                                  .                .
                                  .                .
7984                              .                .          .<-------   S83HW
```

```
7981                                                  S83HW
                                                        V
                                                        V
7985                                                  R2221W
                                                        .
                                                        .
7994                  C22-21.......................
                                .
                                .-------> D2221W
8001
7997                  D2221S
                                .
                                .
8004            CIS7............
                    .
                    .
8014                .-------> SIS7S
8008            SIS7W
                    V
                    V
8017            RIS12
                    .
                    .
8028                            .<-------  D91CB
8025                  D91CB
                        V
                        V
8029                  R91K
                                .
                                .
8040                                        .<-------  D2221W
8037                            D2221W
                                                .
                                                .
8041                  C91F............
                                .
                                .
8049                            .-------> S91FW
8045                  S91FS
                        V
                        V
8052                  R91L
                                .
                                .
8060            CIS91...........
                    .
                    .
8071                .-------> D91IS
8064            DIS91
                    V
                    V
8074            RIS13
                    .
                    .
8085                            .<-------  SCB7S
8082                  SCB7S
                        V
                        V
8086                  R2121S
                                .
                                .
8095                            21-21
                                                .
                                                .
8108                                                    .<-------  S91FW
8105                                                S91FW
```


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```
                 .         .         .         .         V
                 .         .         .         .         V
8109             .         .         .         .     R2121W
                 .         .         .         .         .
                 .         .         .         .         .
8118             .         .     C21-21.......................
                 .         .         .
                 .         .         .
8125             .         .         .-------> D2121W
8121             .         .     D2121S
                 .         .         .
                 .         .         .
8128             .       CIS8............
                 .         .
                 .         .
8135             .         .-------> SIS8S
8131             .       SIS8W
                 .         V
                 .         V
8138             .       RIS14
                 .         .
                 .         .
8149             .         .         .<-------   D99CB
8146             .         .     D99CB
                 .         .         V
                 .         .         V
8150             .         .      R99F
                 .         .         .
                 .         .         .
8161             .         .         .         .<-------  D2121W
8158             .         .         .     D2121W
                 .         .         .         .
                 .         .         .         .
8162             .         .      C99C............
                 .         .         .
                 .         .         .
8170             .         .         .-------> S99CW
8166             .         .     S99CS
                 .         .         V
                 .         .         V
8173             .         .      R99G
                 .         .         .
                 .         .         .
8181             .       CIS99...........
                 .         .
                 .         .
8189             .         .-------> D99IS
8185             .       DIS99
                 .         V
                 .         V
8192             .       RIS15
                 .         .
                 .         .
8203             .         .         .<-------   SCB8S
8200             .         .     SCB8S
                 .         .         V
                 .         .         V
8204             .         .     R2021S
                 .         .         .
                 .         .         .
8213             .         .         .     20-21
                 .         .         .         .
                 .         .         .         .
8227             .         .         .         .-------> D2021R
8223             .         .         .     RET20
                 .         .         .         .
```

```
8233                                          .<-------  S99CW
8230                                   S99CW
                                          V
                                          V
8234                                   R2021W
                                          .
                                          .
8243                   C20-21.......................
                                          .
                                          .
8250                                      .-------> D2021W
8246                   D2021S
                                          .
                                          .
8253             CIS9............
                                          .
                                          .
8260                                      .-------> SIS9S
8256             SIS9W
                     V
                     V
8263             RIS16
                                          .
                                          .
8274                                      .<------- D107CB
8271                   D107CB
                                          V
                                          V
8275                   R107A
                                          .
                                          .
8286                                                .<------- D2021W
8283                                       D2021W
                                                    .
                                                    .
8287                   C107A............
                                          .
                                          .
8295                                      .-------> S107AW
8291                   S107AS
                                          V
                                          V
8298                   R107B
                                          .
                                          .
8306             CIS107...........
                                          .
                                          .
8314                                      .-------> D107IS
8310             DIS107
                     V
                     V
8317             RIS17
                                          .
                                          .
8325                   19-21
                                          .
                                          .
8338                                                .<------- S107AW
8335                                       S107AW
                                                    V
                                                    V
8339                                       R1921W
                                                    .
                                                    .
```


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```
8348          .          .     C19-21............
              .          .          .
              .          .          .
8355          .          .          .-------> D1921W
8351          .          .     D1921S
              .          .          .
              .          .          .
8358          .     CIS10............
              .          V
              .          V
8361          .     RIS18
              .          .
              .          .
8371          .          .          .<------- D1921W
8369          .          .     D1921W
              .          .          .
              .          .          .
8372     NULL7........................
              .
              .
8378          .          .<-------  D351S
8375          .     D351S
              .          V
              .          V
8379          .     RGR8
              .          .
              .          .
8392          .          .          .<-------  D27IS
8389          .          .     D27IS
              .          .          V
              .          .          V
8393          .          .     R27F
              .          .          .
              .          .          .
8401          .          .          .     26-22N
              .          .          .          .
              .          .          .          .
8415          .          .          .          .          .<------- SD31CS
8411          .          .          .          .     SD31CS
              .          .          .          .          .
              .          .          .          .          .
8416          .     C2622N.................................
              .          .
              .          .
8426          .          .-------> SD31DS
8420          .     SD31D
              .          V
              .          V
8429          .     RES26T
              .          .
              .          .
8446          .          .------->  D26S
8439          .       D26W
              .          .
              .          .
8452          .          .          .<------- SIS1AS
8449          .          .     SIS1AS
              .          .          .
              .          .          .
8459          .          .          .-------> SD35DS
8453          .          .     SD35DW
              .          .          V
              .          .          V
8462          .          .     R2722W
              .          .          .
              .          .          .
```

```
8474                                   <------- SIS1S
8471                          SIS1S
                                 V
                                 V
8475                          R2722S

8484                                        27-22N

8494                C2722N.....................................

8505                       -------> D2722A
8498                D2722N

8516                       -------> D39S
8508                   D39

8522                                <------- D43IS
8519                        D43IS
                                 V
                                 V
8523                        R43K

8538                                -------> S43GW
8531                        S43GS

8544                                         <------- D2722A
8541                          D2722A

8545                C2722A.......................
                       V
                       V
8548                   PA43

8567                       -------> D43S
8560                   D43
                       V
                       V
8570                R2822W

8582                                <------- SIS2S
8579                         SIS2S

8587                                         <------- SIS2SA
8583                            SIS2SA

8588                        C2822A............
                                 V
                                 V
8591                        R2822S

8600                            28-22N
```

```
8613                                                  .<-------   S43GW
8610                                            S43GW
                                                    .
                                                    .
8614                        C2822N.......................
                                  .
                                  .
8623                              .-------> D2822A
8617                        D2822N
                                  .
                                  .
8626                    C2822D............
                            V
                            V
8629                      PA47
                            .
                            .
8645                        .------->   D47S
8639                      D47
                            .
                            .
8651                              .<-------   D51IS
8648                        D51IS
                                  V
                                  V
8652                        R51M
                                  .
                                  .
8667                              .------->   S51HW
8660                        S51HS
                                  .
                                  .
8673                              .           .<-------  D2822A
8670                              .       D2822A
                                  .           .
                                  .           .
8674                    C2822B.......................
                            V
                            V
8677                      PA51
                            .
                            .
8696                        .------->   D51S
8688                      D51
                            .
                            .
8702                              .<-------   SIS3S
8699                        SIS3S
                                  V
                                  V
8703                        R2922S
                                  .
                                  .
8712                              .       29-22N
                                  .           .
                                  .           .
8722                        C2922N............
                                  .
                                  .
8731                              .-------> D2922A
8725                        D2922N
                                  .
                                  .
8737                              .           .<-------   S51HW
8734                              .       S51HW
                                  .           .
```

```
8738          C2922B.......................
                 V
                 V
8741           PA55
                 .
                 .
8761             .-------->    D55S
8753           D55
                 .
                 .
8767             .<-------   D591S
8764                 D591S
                     .
                     .
8775                 .------->   S59HW
8768                 S59HS
                     .
                     .
8781                 .           .<-------  D2922A
8778                     D2922A
                     .           .
                     .           .
8782          C2922A.......................
                 V
                 V
8785           PA59
                 .
                 .
8800             .-------->    D59S
8795           D59
                 .
                 .
8806             .<-------   S1S4S
8803                 S1S4S
                     V
                     V
8807                 R3022S
                     .
                     .
8816                 .       30-22N
                     .           .
                     .           .
8829                 .           .           .<-------   S59HW
8826                 .           .       S59HW
                     .           .           .
                     .           .           .
8830          C3022N...................................
                 V
                 V
8833           PA63
                 .
                 .
8848             .-------->    D63S
8844           D63
                 .
                 .
8854             .<-------    D26S
8851                 D26S
                     V
                     V
8855                 R2622S
                     .
                     .
8864                 .       26-22E
                     .           .
```

```
8874                C2622E............
                        V
                        V
8877                RES26E
                        .
                        .
8895                    .-------> D27TR
8885                DTR27
                        .
                        .
8898                    .     26-22S
                        .          .
                        .          .
8912                    .          .-------> D2622W
8908                    .     D2622S
                        .          .
                        .          .
8917                    .          .        .<-------  SD31DS
8915                    .          .   SD31DS
                        .          .        .
                        .          .        .
8918                C2622S......................
                        .
                        .
8930                    .-------> STR1S
8922                STR1W
                        V
                        V
8933                 RTR1
                        .
                        .
8943                    .          .<-------  SD35DS
8941                    .     SD35DS
                        .          .
                        .          .
8944                    .          .   26-22W
                        .          .        .
                        .          .        .
8957                    .          .        .        .<-------  D2622W
8954                    .          .        .   D2622W
                        .          .        .        .
                        .          .        .        .
8958                    .       C35E......................
                        .          .
                        .          .
8968                    .          .-------> S35DW
8962                    .      S35DS
                        .          V
                        .          V
8971                    .       R35J
                        .          .
                        .          .
8979                CTR35............
                        .
                        .
8992                    .-------> D35TR
8983                DTR35
                        V
                        V
8995                 RTR2
                        .
                        .
9006                    .          .<-------   D39S
9003                    .       D39S
                        .          V
```

```
9007                    V
                     R2722A
9016                                27-22S
9029                                                .<-------   S35DW
9026                                          S35DW
                                                  V
                                                  V
9030                                        R2722B
9039                 C2722S.......................
9049                            .------->  D2722W
9042                 D2722S
9052            CTR1............
9061                 .------->   STR2S
9055            STR2W
                    V
                    V
9064            RTR3
9075                            .<-------    D43S
9072                 D43S
9079                                                .<-------  D2722W
9076                                      D2722W
9080                 C43F............
9090                            .------->   S43HW
9084                 S43HS
                        V
                        V
9093                 R43M
9101            CTR43............
9112                 .------->   D43TR
9105            DTR43
9118                            .<-------    D51S
9115                 D51S
9122                                                .<-------   D47S
9119                                        D47S
9123                 C2822C............
                        V
```


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```
9126                    V
                     R2822A
                        .
9135                    .        28-22S
                        .           .
9145                 C2822S...........
                        .
9152                    .-------> D2822W
9148                 D2822S
                        .
9158                    .           .<-------   S43HW
9155                    .       S43HW
                        .          V
                        .          V
9159                    .       R2822B
                        .           .
9168              CTR2.......................
                     .
9175                 .------->   STR3S
9171              STR3W
                     .
9182                 .------->   STR4S
9178              STR4W
                     V
                     V
9185               RTR4
                     .
9196                    .<-------  D2822W
9193                 D2822W
                        .
9203                    .------->   S51IW
9197               S51IS
                        V
                        V
9206                R51N
                        .
9214              CTR51............
                     .
9225                 .------->   D51TR
9218              DTR51
                     V
                     V
9228               RTR5
                     .
9238                    .<-------    D55S
9236                D55S
                        V
                        V
9239                 R2922A
                        .
9248                    .        29-22S
                        .           .
```


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```
9261                                                  .<-------  S51IW
9258                                            S51IW
                                                    V
                                                    V
9262                                            R2922B
                                                    .
                                                    .
9271                                  C2922S........................
                                                    .
                                                    .
9278                                                .-------> D2922W
9274                                  D2922S
                                                    .
                                                    .
9281                            CTR3............
                                                    .
                                                    .
9290                                .-------> STR5S
9284                            STR5W
                                    V
                                    V
9293                            RTR6
                                    .
                                    .
9303                                          .<-------  D59S
9301                                      D59S
                                              V
                                              V
9304                                      R59N
                                              .
                                              .
9315                                                    .<-------  D2922W
9312                                              D2922W
                                                        .
                                                        .
9316                                      C59G............
                                              .
                                              .
9326                                          .-------> S59IW
9320                                      S59IS
                                              V
                                              V
9329                                      R59O
                                              .
                                              .
9337                            CTR59...........
                                    .
                                    .
9348                                .-------> D59TR
9341                            DTR59
                                    V
                                    V
9351                            RTR7
                                    .
                                    .
9361                                          .<-------  D63S
9359                                      D63S
                                              V
                                              V
9362                                      R3022A
                                              .
                                              .
9371                                              30-22S
                                                        .
                                                        .
9384                                                    .<-------  S59IW
```


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```
9381                                                  S591W
                                                        V
9385                                                  R3022B

9394                        C3022S.......................

9401                                  -------> D3022W
9397                        D3022S

9404                   CTR4............

9412                        -------> STR6S
9408                   STR6W
                          V
                          V
9415                   RTR8

9426                                  <------- D3022W
9423                        D3022W

9430                                                <------- D67IS
9427                                     D67IS

9431                         C67G1............

9441                                  -------> S67IW
9435                         S67IS
                                V
                                V
9444                          R670

9452                CTR67........................

9465                        -------> D67TR
9458                DTR67
                       V
                       V
9468                 RTR9

9479                        <------- SIS5S
9476                   SIS5S
                          V
                          V
9480                R2521S

9489                         25-21

9503                                  -------> D2521R
9499                         RET25

9509                                                <------- S67IW
```

```
9506                                                  S67IW
                                                        V
                                                        V
9510                                                 R2521W
                                                        .
                                                        .
9519                        C25-21.......................
                                 .
                                 .
9526                             .-------> D2521W
9522                        D2521S
                                 .
                                 .
9529                   CTR5............
                            .
                            .
9538                        .-------> STR7S
9532                   STR7W
                            V
                            V
9541                   RTR10
                            .
                            .
9552                             .<-------  D75IS
9549                        D75IS
                                 V
                                 V
9553                         R75P
                                 .
                                 .
9564                             .          .<-------  D2521W
9561                             .     D2521W
                                 .          .
                                 .          .
9565                         C75G............
                                 .
                                 .
9575                             .-------> S75JW
9569                        S75JS
                                 V
                                 V
9578                         R75Q
                                 .
                                 .
9586                   CTR75............
                            .
                            .
9597                        .-------> D75TR
9590                   DTR75
                            V
                            V
9600                   RTR11
                            .
                            .
9611                             .<-------  SIS6S
9608                        SIS6S
                                 V
                                 V
9612                        R2621S
                                 .
                                 .
9621                             .      26-21
                                 .          .
                                 .          .
9634                             .          .          .<-------  S75JW
9631                             .          .      S75JW
```

```
                                                          V
                                                          V
9635                                                   R2621W
                                                          .
                                                          .
9644                                C26-21.................
                                                          .
                                                          .
9651                                       .-------> D2621W
9647                                D2621S
                                          .
                                          .
9654                            CTR6............
                                          .
                                          .
9661                                       .-------> STR8S
9657                            STR8W
                                    V
                                    V
9664                            RTR12
                                          .
                                          .
9675                                       .<------- D83IS
9672                                 D83IS
                                        V
                                        V
9676                                 R83P
                                          .
                                          .
9687                                       .                .<------- D2621W
9684                                       .          D2621W
                                          .                .
                                          .                .
9688                                 C83H............
                                          .
                                          .
9698                                       .-------> S83IW
9692                                 S83IS
                                        V
                                        V
9701                                 R83Q
                                          .
                                          .
9709                            CTR83............
                                          .
                                          .
9720                                       .-------> D83TR
9713                            DTR83
                                    V
                                    V
9723                            RTR13
                                          .
                                          .
9734                                       .<------- SIS7S
9731                                 SIS7S
                                        V
                                        V
9735                                R2721S
                                          .
                                          .
9744                                       .          27-21
                                          .                .
                                          .                .
9758                                       .                .-------> D2721R
9754                                       .          RET27
                                          .                .
```

```
9764                                  .<-------  S83IW
9761                            S83IW
                                    V
                                    V
9765                            R2721W
                                    .
                                    .
9774                      C27-21.......................
                                    .
                                    .
9781                                .-------> D2721W
9777                      D2721S
                                    .
                                    .
9784                  CTR7............
                            .
                            .
9791                        .-------> STR9S
9787                  STR9W
                            V
                            V
9794                  RTR14
                            .
                            .
9805                                .<-------  D91IS
9802                      D91IS
                                V
                                V
9806                       R91M
                                .
                                .
9817                                        .<-------  D2721W
9814                                  D2721W
                                            .
                                            .
9818                       C91G............
                                .
                                .
9828                            .-------> S91GW
9822                      S91GS
                                V
                                V
9831                       R91N
                                .
                                .
9839                  CTR91...........
                            .
                            .
9850                        .-------> D91TR
9843                  DTR91
                            V
                            V
9853                  RTR15
                            .
                            .
9864                                .<-------  SIS8S
9861                      SIS8S
                                V
                                V
9865                     R2821S
                                .
                                .
9874                                  28-21
                                            .
                                            .
```


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```
9887                                                  .<-------   S91GW
9884                                            S91GW
                                                    V
                                                    V
9888                                          R2821W
                                                    .
                                                    .
9897                        C28-21.......................
                                  .
                                  .
9904                              .-------> D2821W
9900                        D2821S
                                  .
                                  .
9907                    CTR8............
                                  .
                                  .
9914                              .-------> STR10S
9910                    STR10W
                              V
                              V
9917                    RTR16
                                  .
                                  .
9928                              .<-------   D99IS
9925                      D99IS
                              V
                              V
9929                       R99H
                                  .
                                  .
9940                              .                .<-------  D2821W
9937                              .          D2821W
                                  .                .
                                  .                .
9941                       C99D............
                                  .
                                  .
9949                              .------->   S99DW
9945                      S99DS
                              V
                              V
9952                       R99I
                                  .
                                  .
9960                    CTR99............
                                  .
                                  .
9968                              .------->   D99TR
9964                    DTR99
                              V
                              V
9971                    RTR17
                                  .
                                  .
9982                              .<-------   SIS9S
9979                      SIS9S
                              V
                              V
9983                     R2921S
                                  .
                                  .
9992                              .          29-21N
                                  .                .
                                  .                .
10005                             .                .          .<-------   S99DW
```

```
10002                                                  S99DW
                                                         V
                                                         V
10006                                                  R2921W
                                                         .
                                                         .
10015                  C2921N.......................
                         .
10022                    .-------> D2921W
10018                  D2921S
                         .
                         .
10025            CTR9............
                   V
                   V
10028          RES29S
                 .
                 .
10039                    .<------- D1071S
10036                  D1071S
                         V
                         V
10040                  R107C
                         .
                         .
10051                    .                .<------- D2921W
10048                    .        D2921W
                         .           .
                         .           .
10052                  C107B............
                         V
                         V
10056                  RES29W
                         .
                         .
10069                    .-------> D2921C
10064                  D2921B
                         V
                         V
10072                  R2921A
                         .
                         .
10081                    .        29-21S
                         .           .
                         .           .
10091            C107C........................
                 .
                 .
10099            .-------> D107TR
10095          DTR107
                   V
                   V
10102          RTR18
                 .
                 .
10110                  30-21S
                         .
                         .
10124                    .-------> D3021X
10120                  RET30S
                         .
                         .
10127          C3021S............
                 .
                 .
```


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```
10134          .          .-------> STR11S
10130          .     STR11W
               .          V
               .          V
10137          .      RTR19
               .          .
               .          .
10149          .          .-------> D115TR
10145          .     DTR115
               .          .
               .          .
10152          .          .     30-21N
               .          .          .
               .          .          .
10166          .          .          .-------> D3021R
10162          .          .     RET30N
               .          .          .
               .          .          .
10173          .          .          .-------> D3021W
10169          .          .     D3021S
               .          .          .
               .          .          .
10178          .          .          .          .<-------  D2921C
10176          .          .          .     D2921C
               .          .          .          V
               .          .          .          V
10179          .          .          .     R3021W
               .          .          .          .
               .          .          .          .
10188          .          .     C3021N............
               .          .          V
               .          .          V
10191          .          .     R3021R
               .          .          .
               .          .          .
10203          .          .          .          .<-------  D2021W
10200          .          .          .     D3021W
               .          .          .          .
               .          .          .          .
10204     NULL8.......................................
               .
               .
10207          .      36-22
               .          .
               .          .
10221          .          .-------> D3622W
10217          .     D3622S
               .          .
               .          .
10226          .          .          .<-------   D27TR
10224          .          .      D27TR
               .          .          V
               .          .          V
10227          .          .       R27G
               .          .          .
               .          .          .
10238          .          .          .          .<-------  D3622W
10235          .          .          .     D3622W
               .          .          .          .
               .          .          .          .
10239          .          .       C27B............
               .          .          .
               .          .          .
10247          .          .          .------->   S27BW
10243          .          .      S27BS
               .          .          V
```

```
10250                    V
                       R27H
10258          CMD27............
10269                  .------->  D27MD
10262          DMD27
                   V
                   V
10272           RMD1

10283                     .<-------  STR1S
10280                 STR1S
                          V
                          V
10284               R3522S

10293                           35-22

10306                                     .<-------  S27BW
10303                                  S27BW
                                          V
                                          V
10307                                 R3522W

                    C35-22......................
10326                     .------->  D3522W
10319               D3522S

10329           CMD1............

10338                  .------->  SMD1S
10332          SMD1W
                   V
                   V
10341           RMD2

10352                     .<-------  D35TR
10349                 D35TR
                          V
                          V
10353                 R35K

10364                                .<-------  D3522W
10361                           D3522W

10365                 C35F............

10375                     .------->  S35EW
10369                 S35ES
                          V
                          V
```


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```
10378          .          .        R35L
               .          .          .
               .          .          .
10386          .      CMD35............
               .          .
               .          .
10397          .          .-------->  D35MD
10390          .      DMD35
               .          V
               .          V
10400          .       RMD3
               .          .
               .          .
10411          .          .          .<-------   STR2S
10408          .          .      STR2S
               .          .          V
               .          .          V
10412          .          .     R3422S
               .          .          .
               .          .          .
10421          .          .          .      34-22
               .          .          .          .
               .          .          .          .
10434          .          .          .          .          .<-------   S35EW
10431          .          .          .          .      S35EW
               .          .          .          .          V
               .          .          .          .          V
10435          .          .          .          .     R3422W
               .          .          .          .          .
               .          .          .          .          .
10444          .          .     C34-22......................
               .          .          .
               .          .          .
10454          .          .          .-------->  D3422W
10447          .          .     D3422S
               .          .          .
               .          .          .
10457          .       CMD2............
               .          .
               .          .
10466          .          .-------->  SMD2S
10460          .      SMD2W
               .          V
               .          V
10469          .       RMD4
               .          .
               .          .
10480          .          .          .<-------   D43TR
10477          .          .      D43TR
               .          .          V
               .          .          V
10481          .          .       R43N
               .          .          .
               .          .          .
10492          .          .          .          .<-------  D3422W
10489          .          .          .      D3422W
               .          .          .          .
               .          .          .          .
10493          .          .       C43G............
               .          .          .
               .          .          .
10504          .          .          .-------->  S431W
10497          .          .      S431S
               .          .          V
               .          .          V
10507          .          .       R430
```


S7.4PRINT

```
10515   CMD43............
10526   .-------> D43MD
10519   DMD43
10532                .<-------  STR3S
10529           STR3S
10536                           .<-------  STR4S
10533                       STR4S
10537   C3322N.......................
            V
            V
10540   R3322S
10549           33-22
10562                           .<-------  S43IW
10559                       S43IW
10563           C33-22............
10570                .-------> D3322W
10566           D3322S
10573     CMD3............
10581   .-------> SMD3S
10576   SMD3W
10587   .-------> SMD4S
10584   SMD4W
            V
            V
10590     RMD5
10601                .<-------  D51TR
10598         D51TR
                  V
                  V
10602         R510
10613                           .<-------  D3322W
10610                       D3322W
10614         C51F............
10624                .-------> S51JW
```

```
10618          .          .      S51JS
               .          .         V
               .          .         V
10627          .          .       R51P
               .          .         .
               .          .         .
10635          .     CMD51............
               .          .
               .          .
10646          .          .-------> D51MD
10639          .     DMD51
               .         V
               .         V
10649          .      RMD6
               .          .
               .          .
10660          .          .         .<-------   STR5S
10657          .          .      STR5S
               .          .         V
               .          .         V
10661          .          .     R3222S
               .          .         .
               .          .         .
10670          .          .         .      32-22
               .          .         .         .
               .          .         .         .
10683          .          .         .         .          .<-------   S51JW
10680          .          .         .         .      S51JW
               .          .         .         .         V
               .          .         .         .         V
10684          .          .         .         .     R3222W
               .          .         .         .         .
               .          .         .         .         .
10693          .          .     C32-22.......................
               .          .         .
               .          .         .
10700          .          .         .-------> D3222W
10696          .          .     D3222S
               .          .         .
               .          .         .
10703          .      CMD4............
               .          .
               .          .
10710          .          .-------> SMD5S
10706          .     SMD5W
               .         V
               .         V
10713          .      RMD7
               .          .
               .          .
10724          .          .         .<-------   D59TR
10721          .          .      D59TR
               .          .         V
               .          .         V
10725          .          .       R59P
               .          .         .
               .          .         .
10736          .          .         .          .<-------  D3222W
10733          .          .         .      D3222W
               .          .         .         .
               .          .         .         .
10737          .          .       C59H............
               .          .         .
               .          .         .
10747          .          .         .-------> S59JW
10741          .          .      S59JS
```

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                 .          .          V
                 .          .          V
10750            .          .       R59Q
                 .          .          .
                 .          .          .
10758            .     CMD59............
                 .          .
                 .          .
10769            .          .-------> D59MD
10762            .     DMD59
                 .          V
                 .          V
10772            .      RMD8
                 .          .
                 .          .
10783            .          .<-------   STR6S
10780            .          .     STR6S
                 .          .          V
                 .          .          V
10784            .          .    R3122S
                 .          .          .
                 .          .          .
10793            .          .          .      31-22
                 .          .          .          .
                 .          .          .          .
10806            .          .          .          .<-------   S59JW
10803            .          .          .          .     S59JW
                 .          .          .          .          V
                 .          .          .          .          V
10807            .          .          .          .     R3122W
                 .          .          .          .          .
                 .          .          .          .          .
10816            .          .    C31-22.......................
                 .          .          .
                 .          .          .
10823            .          .          .-------> D3122W
10819            .          .    D3122S
                 .          .          .
                 .          .          .
10826            .      CMD5............
                 .          .
                 .          .
10835            .          .-------> SMD6S
10829            .     SMD6W
                 .          V
                 .          V
10838            .      RMD9
                 .          .
                 .          .
10849            .          .<-------   D67TR
10846            .          .     D67TR
                 .          .          V
                 .          .          V
10850            .          .      R67P
                 .          .          .
                 .          .          .
10861            .          .          .<------- D3122W
10858            .          .          .      D3122W
                 .          .          .          .
                 .          .          .          .
10862            .          .      C67H............
                 .          .          .
                 .          .          .
10872            .          .          .-------> S67JW
10866            .          .     S67JS
                 .          .          V
```


K/T 4-PRINT

```
                    .         .         V
10875               .         .      R67Q
                    .         .         .
                    .         .         .
10883               .     CMD67.........
                    .         .
                    .         .
10894               .         .------->  D67MD
10887               .     DMD67
                    .         V
                    .         V
10897               .     RMD10
                    .         .
                    .         .
10908               .         .         .<-------   STR7S
10905               .         .      STR7S
                    .         .         V
                    .         .         V
10909               .         .     R3621S
                    .         .         .
                    .         .         .
10918               .         .         .      36-21
                    .         .         .         .
                    .         .         .         .
10931               .         .         .         .          .<-------   S67JW
10928               .         .         .         .      S67JW
                    .         .         .         .         V
                    .         .         .         .         V
10932               .         .         .         .     R3621W
                    .         .         .         .         .
                    .         .         .         .         .
10941               .         .     C36-21.......................
                    .         .         .
                    .         .         .
10948               .         .         .------->  D3621W
10944               .         .     D3621S
                    .         .         .
                    .         .         .
10951               .      CMD6.........
                    .         .
                    .         .
10958               .         .------->  SMD7S
10954               .     SMD7W
                    .         V
                    .         V
10961               .     RMD11
                    .         .
                    .         .
10972               .         .         .<-------   D75TR
10969               .         .      D75TR
                    .         .         V
                    .         .         V
10973               .         .      R75R
                    .         .         .
                    .         .         .
10984               .         .         .         .<-------  D3621W
10981               .         .         .      D3621W
                    .         .         .         .
                    .         .         .         .
10985               .         .      C75H.........
                    .         .         .
                    .         .         .
10995               .         .         .-------->  S75KW
10989               .         .      S75KS
                    .         .         V
                    .         .         V
```


K/14PRINT

```
10998                R75S
                       .
                       .
11006          CMD75.........
                       .
                       .
11017                  .-------> D75MD
11010          DMD75
                   V
                   V
11020          RMD12
                       .
                       .
11031                  .<-------  STR8S
11028                STR8S
                       V
                       V
11032               R3521S
                       .
                       .
11041                  .      35-21
                       .          .
                       .          .
11055                  .          .-------> D3521R
11051                  .      RET35
                       .          .
                       .          .
11061                  .          .         .<-------  S75KW
11058                  .          .      S75KW
                       .          .         V
                       .          .         V
11062                  .          .      R3521W
                       .          .         .
                       .          .         .
11071                C35-21.......................
                       .
                       .
11078                  .-------> D3521W
11074                D3521S
                       .
                       .
11081          CMD7.........
                       .
                       .
11088                  .-------> SMD8S
11084          SMD8W
                   V
                   V
11091          RMD13
                       .
                       .
11102                  .<-------  D83TR
11099                D83TR
                       V
                       V
11103                R83R
                       .
                       .
11114                  .          .<-------  D3521W
11111                  .      D3521W
                       .          .
                       .          .
11115                R83I.........
                       .
                       .
11125                  .-------> S83JW
```

```
11119                S83JS
                       V
                       V
11128                R83S
                       .
                       .
11136          CMD83............
                       .
                       .
11147                .-------> D83MD
11140          DMD83
                   V
                   V
11150          RMD14
                       .
                       .
11161                      .<-------  STR9S
11158                STR9S
                       V
                       V
11162               R3421S
                       .
                       .
11171                      .      34-21
                           .         .
                           .         .
11184                      .         .          .<-------  S83JW
11181                      .         .       S83JW
                           .         .          V
                           .         .          V
11185                      .         .      R3421W
                           .         .          .
                           .         .          .
11194               C34-21.......................
                       .
                       .
11201                      .-------> D3421W
11197               D3421S
                       .
                       .
11204           CMD8............
                       .
                       .
11211                .-------> SMD9S
11207          SMD9W
                   V
                   V
11214          RMD15
                       .
                       .
11225                      .<-------  D91TR
11222                D91TR
                       V
                       V
11226                R910
                       .
                       .
11237                      .         .<-------  D3421W
11234                      .      D3421W
                           .         .
                           .         .
11238                C91H............
                       .
                       .
11248                      .-------> S91HW
11242                S91HS
```

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                    .         .         V
                    .         .         V
11251               .         .       R91P
                    .         .         .
                    .         .         .
11259               .      CMD91.........
                    .         .
                    .         .
11270               .         .-------> D91MD
11263               .      DMD91
                    .         V
                    .         V
11273               .      RMD16
                    .         .
                    .         .
11284               .         .<------- STR10S
11281               .      STR10S
                    .         V
                    .         V
11285               .      R3321S
                    .         .
                    .         .
11294               .         .      33-21
                    .         .         .
                    .         .         .
11307               .         .         .         .<------- S91HW
11304               .         .         .      S91HW
                    .         .         .         V
                    .         .         .         V
11308               .         .         .      R3321W
                    .         .         .         .
                    .         .         .         .
11317               .      C33-21.......................
                    .         .
                    .         .
11324               .         .-------> D3321W
11320               .      D3321S
                    .         V
                    .         V
11327               .       RES33
                    .         .
                    .         .
11335               .     CMD9............
                    .         .
                    .         .
11342               .         .-------> SMD10S
11338               .     SMD10W
                    .         V
                    .         V
11345               .     RMD16A
                    .         .
                    .         .
11356               .         .<------- D99TR
11353               .      D99TR
                    .         V
                    .         V
11357               .       R99J
                    .         .
                    .         .
11368               .         .         .<------- D3321W
11365               .         .      D3321W
                    .         .         .
                    .         .         .
11369               .         .      C99E............
                    .         .         .
                    .         .         .
```


K&T-4PRINT

```
11377                                  .------->  S99EW
11373                          S99ES
                                  V
                                  V
11380                          R99K
                                  .
                                  .
11388                   CMD99............
                                  .
                                  .
11396                           .------->  D99MD
11392                   DMD99
                             V
                             V
11399                   RMD17
                                  .
                                  .
11407                          32-21E
                                  .
                                  .
11420                                          .<-------  S99EW
11417                                     S99EW
                                  .          .
                                  .          .
11421                          C3221E...........
                                  V
                                  V
11424                          RES32E
                                  .
                                  .
11432                                     32-21W
                                  .          .
                                  .          .
11442                          C3221W...........
                                  .
                                  .
11449                                  .------->  D3221W
11445                          D3221S
                                  .
                                  .
11452                   CMD10............
                                  .
                                  .
11459                           .------->  SMD11S
11455                   SMD11W
                             V
                             V
11462                   RMD18
                                  .
                                  .
11473                                  .<-------  D107TR
11470                          D107TR
                                  .
                                  .
11477                                          .<-------  D3221W
11474                                     D3221W
                                  .          .
                                  .          .
11478                          C107D............
                                  .
                                  .
11487                                  .------->  S107BW
11482                          S107BS
                                  V
                                  V
11490                          R107D
```


1071APRINT

```
11497          CMD107............
                    .
                    .
11505               .-------> D107MD
11501          DMD107
                    V
                    V
11508           RMD19
                    .
                    .
11519               .<------- STR11S
11516               .     STR11S
                    .          V
                    .          V
11520               .     R3121S
                    .          .
                    .          .
11529               .          .      31-21
                    .          .        .
                    .          .        .
11542               .          .        .<------- S107BW
11539               .          .     S107BW
                    .          .        .
                    .          .        .
11543               .     C31-21........................
                    .          .
                    .          .
11550               .          .-------> D3121W
11546               .     D3121S
                    .          .
                    .          .
11553           CMD11............
                    .
                    .
11560               .-------> SMD12S
11556          SMD12W
                    V
                    V
11563           RMD20
                    .
                    .
11574               .          .<------- D115TR
11571               .     D115TR
                    .          V
                    .          V
11575               .      R115A
                    .          .
                    .          .
11586               .          .        .<------- D3121W
11583               .          .      D3121W
                    .          .        .
                    .          .        .
11587               .      C115A............
                    .          .
                    .          .
11595               .          .-------> S115AW
11591               .     S115AS
                    .          V
                    .          V
11598               .      R115B
                    .          .
                    .          .
11606          CMD115............
                    .
```


K/14PRINT

```
11614          .          .
               .          .-------> D115MD
11610          .     DMD115
               .          V
               .          V
11617          .      RMD21
               .          .
               .          .
11625          .          .     36-W21
               .          .          .
               .          .          .
11638          .          .          .          .<-------  S115AW
11635          .          .          .     S115AW
               .          .          .          V
               .          .          .          V
11639          .          .          .     R3621A
               .          .          .          .
               .          .          .          .
11648          .          .     C36W21............
               .          .          .
               .          .          .
11655          .          .          .-------> D36S21
11651          .          .     D36W21
               .          .          .
               .          .          .
11658          .      CMD12............
               .          .
               .          .
11665          .          .-------> SMD13S
11661          .     SMD13W
               .          V
               .          V
11668          .      RMD22
               .          .
               .          .
11679          .          .          .<-------  D36S21
11676          .          .     D36S21
               .          .          .
               .          .          .
11680     NULL9........................
               .
               .
11686          .          .<-------  D27MD
11683          .      D27MD
               .          .
               .          .
11687          .          .       1-12
               .          .          .
               .          .          .
11697          .      C1-12............
               .          .
               .          .
11707          .          .-------> DA1IO
11700          .      DI10A
               .          V
               .          V
11710          .      R212W
               .          .
               .          .
11722          .          .          .<-------  D35MD
11719          .          .      D35MD
               .          .          .
               .          .          .
11726          .          .          .          .<-------  SMD1S
11723          .          .          .     SMD1S
               .          .          .          V
```

```
                                          V
11727                                  R212S
                                          .
11736                                     .          2-12
                                          .            .
11746                          C2-12.......................
                                   .
11753                              .-------> DBI10
11749                          DI10B
                                   V
                                   V
11756                          R312W
                                   .
11768                              .<-------  D43MD
11765                              D43MD
                                   .
11772                              .          .<-------  SMD2S
11769                                      SMD2S
                                          V
                                          V
11773                                  R312S
                                          .
11782                                     .          3-12
                                          .            .
11792                          C3-12.......................
                                   .
11802                              .-------> DC1I0
11795                          DI10C
                                   V
                                   V
11805                          R412W
                                   .
11819                              .<-------  D51MD
11816                              D51MD
                                   .
11823                              .          .<-------  SMD4S
11820                                      SMD4S
                                          .
                                          .          .<-------  SMD3S
11827                                     .
11824                                     .          SMD3S
                                          .            .
11828                                     .      C4-12.............
                                          V
                                          V
11831                                  R412S
                                          .
11840                                     .          4-12
                                          .            .
11850                          CI1051.......................
                                   .
11857                              .-------> DDI10
```


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```
11853          .      DI10D
               .          V
               .          V
11860          .      R512W
               .          .
               .          .
11874          .          .          .<-------   D59MD
11871          .          .      D59MD
               .          .          .
               .          .          .
11878          .          .          .          .<-------   SMD5S
11875          .          .          .      SMD5S
               .          .          .          V
               .          .          .          V
11879          .          .          .      R512S
               .          .          .          .
               .          .          .          .
11888          .          .          .          .        5-12
               .          .          .          .          .
               .          .          .          .          .
11898          .      C5-12.......................................
               .          .
               .          .
11905          .          .-------->  DEI10
11901          .      DI10E
               .          V
               .          V
11908          .      R612W
               .          .
               .          .
11922          .          .          .<-------   D67MD
11919          .          .      D67MD
               .          .          .
               .          .          .
11926          .          .          .          .<-------   SMD6S
11923          .          .          .      SMD6S
               .          .          .          V
               .          .          .          V
11927          .          .          .      R612S
               .          .          .          .
               .          .          .          .
11936          .          .          .          .        6-12
               .          .          .          .          .
               .          .          .          .          .
11946          .      C6-12.......................................
               .          .
               .          .
11953          .          .-------->  DFI10
11949          .      DI10F
               .          V
               .          V
11956          .      R111W
               .          .
               .          .
11970          .          .          .<-------   D75MD
11967          .          .      D75MD
               .          .          .
               .          .          .
11974          .          .          .          .<-------   SMD7S
11971          .          .          .      SMD7S
               .          .          .          V
               .          .          .          V
11975          .          .          .      R111S
               .          .          .          .
               .          .          .          .
11984          .          .          .          .        1-11
```

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11994          C1-11.................................
                   .
12001              .-------> DGI10
11997          DI10G
                   V
                   V
12004          R211W
                   .
                   .
12018              .<-------  D83MD
12015              .      D83MD
                   .          .
                   .          .
12022              .          .<-------  SMD8S
12019              .          .      SMD8S
                   .          .          V
                   .          .          V
12023              .          .      R211S
                   .          .          .
                   .          .          .
12032              .          .          .      2-11
                   .          .          .        .
                   .          .          .        .
12046              .          .          .        .-------> D2-11R
12042              .          .          .    RET211
                   .          .          .        .
                   .          .          .        .
12049          C2-11.................................
                   .
                   .
12056              .-------> DHI10
12052          DI10H
                   V
                   V
12059          R311W
                   .
                   .
12073              .<-------  D91MD
12070              .      D91MD
                   .          .
                   .          .
12077              .          .<-------  SMD9S
12074              .          .      SMD9S
                   .          .          V
                   .          .          V
12078              .          .      R311S
                   .          .          .
                   .          .          .
12087              .          .          .      3-11
                   .          .          .        .
                   .          .          .        .
12097          C3-11.................................
                   .
                   .
12104              .-------> DII10
12100          DI10I
                   V
                   V
12107          R411W
                   .
                   .
12121              .<-------  D99MD
12118              .      D99MD
```


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```
12125                                  .<-------  SMD10S
12122                          SMD10S
                                    V
                                    V
12126                           R411S
                                    .
                                    .
12135                                .        4-11
                                    .           .
                                    .           .
12145                C4-11.................................
                        .
                        .
12152                   .------->  DJI10
12148                DI10J
                        V
                        V
12155                R511W
                        .
                        .
12169                   .<-------  D107MD
12166                        D107MD
                                .
                                .
12173                           .<-------  SMD11S
12170                          SMD11S
                                    V
                                    V
12174                           R511S
                                    .
                                    .
12183                                .        5-11
                                    .           .
                                    .           .
12193                C5-11.................................
                        .
                        .
12200                   .------->  DKI10
12196                DI10K
                        V
                        V
12203                R611W
                        .
                        .
12217                   .<-------  D115MD
12214                        D115MD
                                .
                                .
12221                           .<-------  SMD12S
12218                          SMD12S
                                    V
                                    V
12222                           R611S
                                    .
                                    .
12231                                .        6-11
                                    .           .
                                    .           .
12241                C6-11.................................
                        .
                        .
12248                   .------->  DLI10
12244                DI10L
                        V
```

```
                    V
12251          R1W11W
                    .
                    .
12265               .<-------  SMD13S
12262               .     SMD13S
                    .         V
                    .         V
12266               .     R1W11S
                    .         .
                    .         .
12275               .         .      1-W11
                    .         .          .
                    .         .          .
12285          C1-W11.......................
                    V
                    V
12288          R1W11A
                    .
                    .
12299               .      2-W11
                    .          .
                    .          .
12309          C2-W11............
                    .
                    .
12312      NULL10............
```

(***) RUNOFF ALSO COMPUTED AT THIS LOCATION

```
1****************************************
*                                      *
*   FLOOD HYDROGRAPH PACKAGE  (HEC-1)  *
*              MAY   1991              *
*           VERSION 4.0.1E             *
*                                      *
*  RUN DATE  01/26/97  TIME  20:20:10  *
*                                      *
****************************************
```

```
****************************************
*                                      *
*   U.S. ARMY CORPS OF ENGINEERS       *
*   HYDROLOGIC ENGINEERING CENTER      *
*         609 SECOND STREET            *
*      DAVIS, CALIFORNIA 95616         *
*          (916) 551-1748              *
*                                      *
****************************************
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MARYVALE ADMS - FCD#93-29: CH2M HILL & Wood/Patel & Associates
Model for Entire Study Area (Approximately 100 square miles)
Existing Conditions
100Yr-24Hr Event
Clark Unit Hydrograph
24-Hour SCS TYPE II Rainfall Pattern was used to determine TC & R
Green-Ampt Precipitation Losses
Model Prepared and Checked by David Dust and Jim Geisbush
MV100-24 (BASE79): SWW\132586\HEC-1
January 1997

****

HEC-1 ELEMENT NOMENCLATURE

SUB-BASIN HYDROGRAPH:
   Example: "17-32N": the sub-basin is Section 17, T3N, R2E

SUB-BASIN DIVERSION:
   Example: "D1732S": is the southerly component of divert in Section 17

SUB-BASIN ROUTE:
   Example: "R1732S": is the southerly flow route through Sec. 17, T3N, R2E

SUB-BASIN RESERVOIR ROUTE OR SURGE BASIN DIVERT:
   Example: "RES17": corresponds to a reservoir route or surge basin divert

KC14PRINT

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                                  in Sub-basin 17-##

                    RETENTION BASIN DIVERT:
                       Example: "RET17": corresponds to retention basin divert in
                                         Sub-Basin 17-##

                    SUB-BASIN COMBINE:
                       Example: "C17-32": corresponds to sub-basin combine in Sec. 17, T3N, R2E

                    STREET ROUTE:
                       Example: "RPA1": first route for Peoria Avenue
                       Example" "R67C": third route for 67th Avenue

                    STREET CAPACITY DIVERSION:
                       Example: "SPA1S": first diversion from Peoria Avenue to the south

                    STREET INTERSECTION DIVERSION:
                       Example: "RPA67": flow component along Peoria Avenue from diversion at
                                         Peoria Avenue and 67th Avenue
                       Example: "R67PA": flow component along 67th Avenue from diversion at
                                         Peoria Avenue and 67th Avenue

                    STREET INTERSECTION COMBINE:
                       Example: "CPA67": hydrograph combine at the intersection of Peoria Avenue
                                         and 67th Avenue

                    STREET COMBINE:
                       Example: "CPA2": second hydrograph combine along Peoria Avenue

                    "NULL" COMBINE:
                       Example: "NULL2": dummy hydrograph combine used to free up a HEC-1
                                         computational path.  Hence, hydrograph is meaningless.

                    ******************************************************************************
                    STREET NAME CODES
                      Thunderbird Road  = TB
                      Cactus Road       = CR
                      Peoria Avenue     = PA
                      Olive Avenue      = OA
                      Northern Avenue   = NA
                      Glendale Avenue   = GA
                      Bethany Home Road = BH
                      Camelback Road    = CB
                      Indian School Road= IS
                      Thomas Road       = TR
                      McDowell Road     = MD
                    ******************************************************************************


73 IO          OUTPUT CONTROL VARIABLES
                     IPRNT           5  PRINT CONTROL
                     IPLOT           0  PLOT CONTROL
                     QSCAL          0.  HYDROGRAPH PLOT SCALE

   IT          HYDROGRAPH TIME DATA
                      NMIN           5  MINUTES IN COMPUTATION INTERVAL
                     IDATE      1    0  STARTING DATE
                     ITIME        0000  STARTING TIME
                        NQ        1000  NUMBER OF HYDROGRAPH ORDINATES
                    NDDATE      4    0  ENDING DATE
                    NDTIME        1115  ENDING TIME
                     ICENT          19  CENTURY MARK

                 COMPUTATION INTERVAL    0.08 HOURS
                      TOTAL TIME BASE   83.25 HOURS
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ENGLISH UNITS

DRAINAGE AREA	SQUARE MILES
PRECIPITATION DEPTH	INCHES
LENGTH, ELEVATION	FEET
FLOW	CUBIC FEET PER SECOND
STORAGE VOLUME	ACRE-FEET
SURFACE AREA	ACRES
TEMPERATURE	DEGREES FAHRENHEIT

75 JD INDEX STORM NO. 1

STRM 3.69 PRECIPITATION DEPTH

TRDA 0.01 TRANSPOSITION DRAINAGE AREA

76 PI PRECIPITATION PATTERN

0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01
0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.03	0.03
0.03	0.09	0.09	0.09	0.01	0.01	0.01	0.01	0.01	0.01
0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		

86 JD INDEX STORM NO. 2

STRM 3.47 PRECIPITATION DEPTH

TRDA 10.00 TRANSPOSITION DRAINAGE AREA

0 PI PRECIPITATION PATTERN

0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01
0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.03	0.03
0.03	0.09	0.09	0.09	0.01	0.01	0.01	0.01	0.01	0.01
0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00

87 JD         INDEX STORM NO. 3
                STRM        3.32  PRECIPITATION DEPTH
                TRDA       30.00  TRANSPOSITION DRAINAGE AREA

 0 PI          PRECIPITATION PATTERN
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.01      0.00      0.01
                0.01      0.01      0.01      0.01      0.01      0.01      0.01      0.01      0.03      0.03
                0.03      0.09      0.09      0.09      0.01      0.01      0.01      0.01      0.01      0.01
                0.01      0.01      0.01      0.01      0.01      0.01      0.00      0.00      0.00      0.00
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00

88 JD         INDEX STORM NO. 4
                STRM        3.17  PRECIPITATION DEPTH
                TRDA       60.00  TRANSPOSITION DRAINAGE AREA

 0 PI          PRECIPITATION PATTERN
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.01      0.00      0.01
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0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.03	0.03
0.03	0.09	0.09	0.09	0.01	0.01	0.01	0.01	0.01	0.01
0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

89 JD INDEX STORM NO. 5

STRM 3.12 PRECIPITATION DEPTH

TRDA 90.00 TRANSPOSITION DRAINAGE AREA

0 PI PRECIPITATION PATTERN

0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01
0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.03	0.03
0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
0.03	0.09	0.09	0.09	0.01	0.01	0.01	0.00	0.00	0.00
0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

90 JD INDEX STORM NO. 6

STRM 3.08 PRECIPITATION DEPTH

TRDA 120.00 TRANSPOSITION DRAINAGE AREA

0 PI PRECIPITATION PATTERN

0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

K&E 4PRINT

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                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.01      0.00      0.01
                0.01      0.01      0.01      0.01      0.01      0.01      0.01      0.01      0.03      0.03
                0.03      0.09      0.09      0.09      0.01      0.01      0.01      0.01      0.01      0.01
                0.01      0.01      0.01      0.01      0.01      0.01      0.00      0.00      0.00      0.00
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00

91 JD         INDEX STORM NO. 7
                    STRM        3.04  PRECIPITATION DEPTH
                    TRDA      150.00  TRANSPOSITION DRAINAGE AREA

 0 PI           PRECIPITATION PATTERN
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.01      0.00      0.01
                0.01      0.01      0.01      0.01      0.01      0.01      0.01      0.01      0.03      0.03
                0.03      0.09      0.09      0.09      0.01      0.01      0.01      0.01      0.01      0.01
                0.01      0.01      0.01      0.01      0.01      0.01      0.00      0.00      0.00      0.00
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00

92 JD         INDEX STORM NO. 8
                    STRM        2.95  PRECIPITATION DEPTH
                    TRDA      300.00  TRANSPOSITION DRAINAGE AREA

 0 PI           PRECIPITATION PATTERN
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
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0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01
0.00	0.00.	0.00	0.00	0.00	0.00	0.01	0.01	0.03	0.03
0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
0.03	0.09	0.09	0.09	0.01	0.01	0.01	0.01	0.00	0.00
0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		

93 JD INDEX STORM NO. 9

STRM 2.88 PRECIPITATION DEPTH

TRDA 500.00 TRANSPOSITION DRAINAGE AREA

0 PI PRECIPITATION PATTERN

0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01
0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.03	0.03
0.03	0.09	0.09	0.09	0.01	0.01	0.01	0.01	0.01	0.01
0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		

WARNING EXCESS AT PONDING LESS THAN ZERO FOR PERIOD. EXCESS SET TO ZERO

WARNING --- ROUTED OUTFLOW (2522.) IS GREATER THAN MAXIMUM OUTFLOW (2446.) IN STORAGE-OUTFLOW TABLE

WARNING --- ROUTED OUTFLOW (2603.) IS GREATER THAN MAXIMUM OUTFLOW (2446.) IN STORAGE-OUTFLOW TABLE

WARNING --- ROUTED OUTFLOW (2646.) IS GREATER THAN MAXIMUM OUTFLOW (2446.) IN STORAGE-OUTFLOW TABLE

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WARNING --- ROUTED OUTFLOW (   2656.) IS GREATER THAN MAXIMUM OUTFLOW (   2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2637.) IS GREATER THAN MAXIMUM OUTFLOW (   2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2592.) IS GREATER THAN MAXIMUM OUTFLOW (   2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2525.) IS GREATER THAN MAXIMUM OUTFLOW (   2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2498.) IS GREATER THAN MAXIMUM OUTFLOW (   2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2591.) IS GREATER THAN MAXIMUM OUTFLOW (   2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2639.) IS GREATER THAN MAXIMUM OUTFLOW (   2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2655.) IS GREATER THAN MAXIMUM OUTFLOW (   2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2642.) IS GREATER THAN MAXIMUM OUTFLOW (   2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2603.) IS GREATER THAN MAXIMUM OUTFLOW (   2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2539.) IS GREATER THAN MAXIMUM OUTFLOW (   2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2458.) IS GREATER THAN MAXIMUM OUTFLOW (   2446.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1608.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1643.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1658.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1643.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1601.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1637.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1657.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1648.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1609.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1631.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1655.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1651.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1618.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1625.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1652.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1653.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1625.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1619.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1648.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1655.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1632.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (   1612.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1643.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1655.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1637.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1606.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1639.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1654.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1642.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1602.) IS GREATER THAN MAXIMUM OUTFLOW (   1601.) IN STORAGE-OUTFLOW TABLE
        WARNING EXCESS AT PONDING LESS THAN ZERO FOR PERIOD. EXCESS SET TO ZERO
WARNING --- ROUTED OUTFLOW (    377.) IS GREATER THAN MAXIMUM OUTFLOW (    245.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (    556.) IS GREATER THAN MAXIMUM OUTFLOW (    245.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (    430.) IS GREATER THAN MAXIMUM OUTFLOW (    245.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (    331.) IS GREATER THAN MAXIMUM OUTFLOW (    245.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (    245.) IS GREATER THAN MAXIMUM OUTFLOW (    245.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (    481.) IS GREATER THAN MAXIMUM OUTFLOW (    245.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (    729.) IS GREATER THAN MAXIMUM OUTFLOW (    245.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (    874.) IS GREATER THAN MAXIMUM OUTFLOW (    245.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (    966.) IS GREATER THAN MAXIMUM OUTFLOW (    245.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1020.) IS GREATER THAN MAXIMUM OUTFLOW (    245.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1039.) IS GREATER THAN MAXIMUM OUTFLOW (    245.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1036.) IS GREATER THAN MAXIMUM OUTFLOW (    245.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1024.) IS GREATER THAN MAXIMUM OUTFLOW (    245.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   1004.) IS GREATER THAN MAXIMUM OUTFLOW (    245.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (    979.) IS GREATER THAN MAXIMUM OUTFLOW (    245.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (    953.) IS GREATER THAN MAXIMUM OUTFLOW (    245.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (    925.) IS GREATER THAN MAXIMUM OUTFLOW (    245.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (    895.) IS GREATER THAN MAXIMUM OUTFLOW (    245.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (    862.) IS GREATER THAN MAXIMUM OUTFLOW (    245.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (    829.) IS GREATER THAN MAXIMUM OUTFLOW (    245.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (    797.) IS GREATER THAN MAXIMUM OUTFLOW (    245.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (    771.) IS GREATER THAN MAXIMUM OUTFLOW (    245.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (    748.) IS GREATER THAN MAXIMUM OUTFLOW (    245.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (    727.) IS GREATER THAN MAXIMUM OUTFLOW (    245.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (    706.) IS GREATER THAN MAXIMUM OUTFLOW (    245.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (    685.) IS GREATER THAN MAXIMUM OUTFLOW (    245.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (    663.) IS GREATER THAN MAXIMUM OUTFLOW (    245.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (    640.) IS GREATER THAN MAXIMUM OUTFLOW (    245.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (    617.) IS GREATER THAN MAXIMUM OUTFLOW (    245.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (    595.) IS GREATER THAN MAXIMUM OUTFLOW (    245.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (    574.) IS GREATER THAN MAXIMUM OUTFLOW (    245.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (    555.) IS GREATER THAN MAXIMUM OUTFLOW (    245.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (    537.) IS GREATER THAN MAXIMUM OUTFLOW (    245.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (    521.) IS GREATER THAN MAXIMUM OUTFLOW (    245.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (    507.) IS GREATER THAN MAXIMUM OUTFLOW (    245.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (    495.) IS GREATER THAN MAXIMUM OUTFLOW (    245.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (    485.) IS GREATER THAN MAXIMUM OUTFLOW (    245.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (    372.) IS GREATER THAN MAXIMUM OUTFLOW (    245.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (    356.) IS GREATER THAN MAXIMUM OUTFLOW (    245.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (    269.) IS GREATER THAN MAXIMUM OUTFLOW (    245.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (    257.) IS GREATER THAN MAXIMUM OUTFLOW (    245.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (    246.) IS GREATER THAN MAXIMUM OUTFLOW (    245.) IN STORAGE-OUTFLOW TABLE
        WARNING EXCESS AT PONDING LESS THAN ZERO FOR PERIOD. EXCESS SET TO ZERO

WARNING --- ROUTED OUTFLOW (    832.) IS GREATER THAN MAXIMUM OUTFLOW (    827.) IN STORAGE-OUTFLOW TABLE

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WARNING --- ROUTED OUTFLOW (    833.) IS GREATER THAN MAXIMUM OUTFLOW (    827.) IN STORAGE-OUTFLOW TABLE

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WARNING --- ROUTED OUTFLOW (   2564.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE

WARNING --- ROUTED OUTFLOW (   2847.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE

WARNING --- ROUTED OUTFLOW (   2863.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE

WARNING --- ROUTED OUTFLOW (   2790.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE

WARNING --- ROUTED OUTFLOW (   2702.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE

WARNING --- ROUTED OUTFLOW (   2596.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE

WARNING --- ROUTED OUTFLOW (   2483.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (   2872.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2803.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2717.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (   2502.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2389.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (   2634.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2521.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (   2675.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (   2846.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2761.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (   2411.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (   2542.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (   2776.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2681.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2579.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2466.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2353.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2434.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2525.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2488.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (   2408.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2326.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2394.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2522.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2498.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2422.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2339.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2249.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2342.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2516.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2507.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2437.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2352.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2265.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2277.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2505.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2515.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2451.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2367.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2280.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2486.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2522.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2463.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2381.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2294.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2458.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2527.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2475.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2396.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2309.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2418.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2530.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2487.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (   2410.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2323.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2365.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2528.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2499.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2423.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2338.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2301.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2519.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2510.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2436.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2353.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2263.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2503.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2521.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2450.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2367.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2278.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2475.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2530.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2463.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2381.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2294.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2437.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2535.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2477.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2395.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2309.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2290.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2268.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2287.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2275.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2279.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
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WARNING --- ROUTED OUTFLOW (   2282.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2265.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2288.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2294.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2248.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2297.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2258.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2297.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2268.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2291.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2278.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2279.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2287.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2257.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2296.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2302.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2249.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2305.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
WARNING --- ROUTED OUTFLOW (   2261.) IS GREATER THAN MAXIMUM OUTFLOW (   2248.) IN STORAGE-OUTFLOW TABLE
        WARNING EXCESS AT PONDING LESS THAN ZERO FOR PERIOD. EXCESS SET TO ZERO
1
                                    RUNOFF SUMMARY
                              FLOW IN CUBIC FEET PER SECOND
                          TIME IN HOURS,  AREA IN SQUARE MILES

                                     PEAK   TIME OF    AVERAGE FLOW FOR MAXIMUM PERIOD     BASIN    MAXIMUM    TIME OF
        OPERATION        STATION     FLOW    PEAK                                         AREA     STAGE    MAX STAGE
+                                                       6-HOUR     24-HOUR     72-HOUR
        HYDROGRAPH AT
+                         7-32       248.   12.33        50.         14.         5.       0.25
        DIVERSION TO
+                         D7-32       30.   12.00         2.          1.         0.       0.25
        HYDROGRAPH AT
+                         RET7       248.   12.33        48.         13.         4.       0.25
        DIVERSION TO
+                         D67TB      131.   12.33        25.          7.         2.       0.25
        HYDROGRAPH AT
+                         DTB67      116.   12.33        23.          6.         2.       0.25
        ROUTED TO
+                         RTB1       109.   12.50        23.          6.         2.       0.25
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+	HYDROGRAPH AT	12-31	872.	12.42	159.	44.	15.	1.02
+	DIVERSION TO	D1231W	558.	12.42	102.	28.	9.	1.02
+	HYDROGRAPH AT	D1231S	314.	12.42	57.	16.	5.	1.02
+	2 COMBINED AT	CTB1	408.	12.42	79.	22.	7.	1.27
+	DIVERSION TO	STB1S	179.	12.42	28.	7.	2.	1.27
+	HYDROGRAPH AT	STB1W	228.	12.42	51.	15.	5.	1.27
+	ROUTED TO	RTB2	222.	12.58	51.	15.	5.	1.27
+	HYDROGRAPH AT	D1231W	558.	12.42	102.	28.	9.	1.02
+	DIVERSION TO	S75AW	306.	12.42	47.	12.	4.	1.02
+	HYDROGRAPH AT	S75AS	252.	12.42	55.	17.	6.	1.02
+	ROUTED TO	R75A	245.	12.58	55.	17.	6.	1.02
+	2 COMBINED AT	CTB75	467.	12.58	105.	31.	10.	1.27
+	DIVERSION TO	D75TB	215.	12.58	49.	14.	5.	1.27
+	HYDROGRAPH AT	DTB75	252.	12.58	57.	17.	6.	1.27
+	ROUTED TO	RTB3	246.	12.75	57.	17.	6.	1.27
+	HYDROGRAPH AT	2-31	115.	12.50	29.	8.	3.	0.29
+	DIVERSION TO	D231W	89.	12.50	23.	6.	2.	0.29
+	HYDROGRAPH AT	D231S	26.	12.50	7.	2.	1.	0.29
+	ROUTED TO	R1131S	22.	13.25	7.	2.	1.	0.29
+	HYDROGRAPH AT	11-31	529.	12.58	137.	37.	12.	1.00
+	HYDROGRAPH AT	S75AW	306.	12.42	47.	12.	4.	1.02
+	ROUTED TO	R1131W	264.	12.83	47.	12.	4.	1.02

+	3 COMBINED AT	C11-31	752.	12.75	188.	50.	17.	2.55
+	DIVERSION TO	D1131W	527.	12.75	131.	35.	12.	2.55
+	HYDROGRAPH AT	D1131S	226.	12.75	56.	15.	5.	2.55
+	2 COMBINED AT	CTB2	470.	12.75	113.	32.	11.	2.55
+	DIVERSION TO	STB2S	155.	12.75	31.	8.	3.	2.55
+	HYDROGRAPH AT	STB2W	314.	12.75	82.	24.	8.	2.55
+	ROUTED TO	RTB4	307.	12.92	82.	24.	8.	2.55
+	HYDROGRAPH AT	D1131W	527.	12.75	131.	35.	12.	2.55
+	ROUTED TO	R83A	524.	12.92	131.	35.	12.	2.55
+	2 COMBINED AT	CTB83	830.	12.92	214.	59.	20.	2.55
+	DIVERSION TO	D83TB	415.	12.92	107.	30.	10.	2.55
+	HYDROGRAPH AT	DTB83	415.	12.92	107.	30.	10.	2.55
+	HYDROGRAPH AT	10-31	61.	12.50	19.	5.	2.	0.11
+	2 COMBINED AT	CADOT1	465.	12.92	125.	35.	12.	2.67
+	DIVERSION TO	ADOT1S	465.	12.92	125.	35.	12.	2.67
+	HYDROGRAPH AT	ADOT1W	0.	0.08	0.	0.	0.	2.67
+	HYDROGRAPH AT	17-32	178.	12.58	50.	14.	5.	0.28
+	DIVERSION TO	D1732	62.	12.58	9.	2.	1.	0.28
+	HYDROGRAPH AT	RET17	148.	13.00	42.	12.	4.	0.28
+	DIVERSION TO	D59CR	78.	13.00	22.	6.	2.	0.28
+	HYDROGRAPH AT	DCR59	69.	13.00	20.	6.	2.	0.28
+	ROUTED TO	RCR1	63.	13.17	20.	6.	2.	0.28

+	HYDROGRAPH AT	18-32	622.	12.50	154.	44.	15.	0.91
+	DIVERSION TO	D1832W	299.	12.50	74.	21.	7.	0.91
+	HYDROGRAPH AT	D1832S	323.	12.50	80.	23.	8.	0.91
+	2 COMBINED AT	CCR1	364.	12.58	98.	28.	9.	1.44
+	DIVERSION TO	SCR1S	152.	12.58	33.	8.	3.	1.44
+	HYDROGRAPH AT	SCR1W	212.	12.58	65.	20.	7.	1.44
+	ROUTED TO	RCR2	208.	12.75	65.	20.	7.	1.44
+	HYDROGRAPH AT	D67TB	131.	12.33	25.	7.	2.	0.25
+	ROUTED TO	R67A	126.	12.50	25.	7.	2.	0.25
+	HYDROGRAPH AT	D1832W	299.	12.50	74.	21.	7.	0.91
+	2 COMBINED AT	C67A	421.	12.50	98.	28.	9.	1.44
+	DIVERSION TO	S67AW	248.	12.50	47.	12.	4.	1.44
+	HYDROGRAPH AT	S67AS	173.	12.50	51.	16.	5.	1.44
+	ROUTED TO	R67B	167.	12.67	51.	16.	5.	1.44
+	2 COMBINED AT	CCR67	375.	12.75	116.	36.	12.	1.44
+	DIVERSION TO	D67CR	89.	12.75	11.	3.	1.	1.44
+	HYDROGRAPH AT	DCR67	286.	12.75	105.	34.	11.	1.44
+	ROUTED TO	RCR3	283.	12.92	105.	34.	11.	1.44
+	HYDROGRAPH AT	STB1S	179.	12.42	28.	7.	2.	1.27
+	ROUTED TO	R1331S	150.	12.92	28.	7.	2.	1.27
+	HYDROGRAPH AT	13-31	723.	12.50	188.	53.	18.	1.00
+	HYDROGRAPH AT	S67AW	248.	12.50	47.	12.	4.	1.44

+	ROUTED TO	R1331W	215.	13.08	47.	12.	4.	1.44
+	3 COMBINED AT	C13-31	936.	12.92	260.	71.	24.	3.46
+	DIVERSION TO	D1331W	468.	12.92	130.	35.	12.	3.46
+	HYDROGRAPH AT	D1331S	468.	12.92	130.	35.	12.	3.46
+	2 COMBINED AT	CCR2	750.	12.92	234.	69.	23.	3.46
+	DIVERSION TO	SCR2S	186.	12.92	26.	6.	2.	3.46
+	HYDROGRAPH AT	SCR2W	564.	12.92	209.	62.	21.	3.46
+	ROUTED TO	RCR4	561.	13.00	209.	62.	21.	3.46
+	HYDROGRAPH AT	D75TB	215.	12.58	49.	14.	5.	1.27
+	ROUTED TO	R75B	206.	12.75	48.	14.	5.	1.27
+	HYDROGRAPH AT	D1331W	468.	12.92	130.	35.	12.	3.46
+	2 COMBINED AT	C75A	658.	12.92	178.	50.	17.	3.46
+	DIVERSION TO	S75BW	219.	12.92	52.	13.	4.	3.46
+	HYDROGRAPH AT	S75BS	439.	12.92	126.	37.	12.	3.46
+	ROUTED TO	R75C	434.	13.00	126.	37.	12.	3.46
+	2 COMBINED AT	CCR75	995.	13.00	334.	99.	33.	3.46
+	DIVERSION TO	D75CR	273.	13.00	47.	12.	4.	3.46
+	HYDROGRAPH AT	DCR75	722.	13.00	288.	87.	29.	3.46
+	ROUTED TO	RCR5	720.	13.08	288.	87.	29.	3.46
+	HYDROGRAPH AT	STB2S	155.	12.75	31.	8.	3.	2.55
+	ROUTED TO	R1431S	133.	13.33	31.	8.	3.	2.55
+	HYDROGRAPH AT	14-31	730.	12.50	185.	54.	18.	1.01

+	DIVERSION TO	D14-31	66.	12.50	9.	2.	1.	1.01
+	HYDROGRAPH AT	RET14	664.	12.50	177.	51.	17.	1.01
+	HYDROGRAPH AT	S75BW	219.	12.92	52.	13.	4.	3.46
+	ROUTED TO	R1431W	211.	13.17	52.	13.	4.	3.46
+	3 COMBINED AT	C14-31	811.	13.00	255.	71.	24.	5.76
+	DIVERSION TO	D1431W	389.	13.00	122.	34.	11.	5.76
+	HYDROGRAPH AT	D1431S	422.	13.00	133.	37.	12.	5.76
+	2 COMBINED AT	CCR3	1136.	13.08	419.	123.	41.	5.76
+	DIVERSION TO	SCR3S	206.	13.08	27.	7.	2.	5.76
+	HYDROGRAPH AT	SCR3W	931.	13.08	392.	117.	39.	5.76
+	ROUTED TO	RCR6	930.	13.17	392.	117.	39.	5.76
+	HYDROGRAPH AT	D83TB	415.	12.92	107.	30.	10.	2.55
+	ROUTED TO	R83B	411.	13.00	107.	30.	10.	2.55
+	HYDROGRAPH AT	D1431W	389.	13.00	122.	34.	11.	5.76
+	2 COMBINED AT	C83A	796.	13.00	228.	63.	21.	5.76
+	DIVERSION TO	S83AW	474.	13.00	121.	30.	10.	5.76
+	HYDROGRAPH AT	S83AS	322.	13.00	106.	33.	11.	5.76
+	ROUTED TO	R83C	319.	13.17	106.	33.	11.	5.76
+	2 COMBINED AT	CCR83	1249.	13.17	498.	149.	50.	5.76
+	DIVERSION TO	D83CR	230.	13.17	40.	10.	3.	5.76
+	HYDROGRAPH AT	DCR83	1019.	13.17	458.	139.	47.	5.76
+	ROUTED TO	RCR7	1018.	13.25	458.	139.	47.	5.76

+	HYDROGRAPH AT	15-31	486.	12.58	127.	34.	12.	0.84
+	HYDROGRAPH AT	S83AW	474.	13.00	121.	30.	10.	5.76
+	ROUTED TO	R1531W	463.	13.25	121.	30.	10.	5.76
+	2 COMBINED AT	C15-31	784.	13.17	244.	64.	21.	6.71
+	DIVERSION TO	D1531W	180.	13.17	56.	15.	5.	6.71
+	HYDROGRAPH AT	D1531S	603.	13.17	188.	49.	16.	6.71
+	2 COMBINED AT	CCR4	1620.	13.17	645.	188.	63.	6.71
+	DIVERSION TO	SCR4S	213.	13.17	37.	9.	3.	6.71
+	HYDROGRAPH AT	SCR4W	1407.	13.17	608.	179.	60.	6.71
+	ROUTED TO	RCR8	1405.	13.25	608.	179.	60.	6.71
+	HYDROGRAPH AT	22-31E	346.	12.58	100.	28.	9.	0.51
+	DIVERSION TO	D2231S	221.	12.58	64.	18.	6.	0.51
+	HYDROGRAPH AT	D2231E	124.	12.58	36.	10.	3.	0.51
+	HYDROGRAPH AT	SCR4S	213.	13.17	37.	9.	3.	6.71
+	2 COMBINED AT	C2231N	301.	13.17	72.	19.	6.	7.20
+	ROUTED TO	R2231E	294.	13.33	71.	19.	6.	7.20
+	2 COMBINED AT	CADOT3	1678.	13.33	674.	196.	66.	11.60
+	ROUTED TO	R2231N	1676.	13.42	673.	196.	66.	11.60
+	HYDROGRAPH AT	ADOT1S	465.	12.92	125.	35.	12.	2.67
+	ROUTED TO	RADOT1	440.	13.08	125.	35.	12.	2.67
+	HYDROGRAPH AT	D1531W	180.	13.17	56.	15.	5.	6.71
+	2 COMBINED AT	CADOT2	609.	13.08	179.	49.	16.	6.82

+	3 COMBINED AT	NULL1	2282.	13.33	874.	251.	84.	1.00
+	HYDROGRAPH AT	21-32	338.	12.42	82.	24.	8.	0.40
+	DIVERSION TO	D2132W	101.	12.42	24.	7.	2.	0.40
+	HYDROGRAPH AT	D2132S	237.	12.42	57.	17.	6.	0.40
+	DIVERSION TO	SPA1S	114.	12.42	20.	5.	2.	0.40
+	HYDROGRAPH AT	SPA1W	123.	12.42	37.	12.	4.	0.40
+	ROUTED TO	RPA1	119.	12.67	37.	12.	4.	0.40
+	HYDROGRAPH AT	D2132W	101.	12.42	24.	7.	2.	0.40
+	DIVERSION TO	S51AW	50.	12.42	7.	2.	1.	0.40
+	HYDROGRAPH AT	S51AS	51.	12.42	18.	6.	2.	0.40
+	ROUTED TO	R51A	50.	12.75	18.	6.	2.	0.40
+	2 COMBINED AT	CPA51	168.	12.67	55.	18.	6.	0.40
+	DIVERSION TO	D51PA	94.	12.67	31.	10.	3.	0.40
+	HYDROGRAPH AT	DPA51	74.	12.67	24.	8.	3.	0.40
+	ROUTED TO	RPA2	71.	12.92	24.	8.	3.	0.40
+	HYDROGRAPH AT	20-32	762.	12.50	194.	57.	19.	0.99
+	DIVERSION TO	D2032R	122.	12.50	17.	5.	2.	0.99
+	HYDROGRAPH AT	RET20	640.	12.50	178.	52.	17.	0.99
+	HYDROGRAPH AT	S51AW	50.	12.42	7.	2.	1.	0.40
+	ROUTED TO	R2032W	33.	13.33	7.	2.	1.	0.40
+	2 COMBINED AT	C20-32	649.	12.83	184.	54.	18.	1.40
+	DIVERSION TO	D2032W	182.	12.83	52.	15.	5.	1.40

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+	HYDROGRAPH AT	D2032S	467.	12.83	132.	39.	13.	1.40
+	2 COMBINED AT	CPA1	536.	12.83	156.	46.	15.	1.40
+	DIVERSION TO	SPA2S	261.	12.83	65.	16.	5.	1.40
+	HYDROGRAPH AT	SPA2W	275.	12.83	91.	30.	10.	1.40
+	ROUTED TO	RPA3	269.	12.92	91.	30.	10.	1.40
+	HYDROGRAPH AT	D59CR	78.	13.00	22.	6.	2.	0.28
+	ROUTED TO	R59A	71.	13.25	22.	6.	2.	0.28
+	HYDROGRAPH AT	D2032W	182.	12.83	52.	15.	5.	1.40
+	2 COMBINED AT	C59A	240.	12.83	73.	21.	7.	1.67
+	DIVERSION TO	S59AW	112.	12.83	26.	7.	2.	1.67
+	HYDROGRAPH AT	S59AS	128.	12.83	47.	15.	5.	1.67
+	ROUTED TO	R59B	125.	13.00	47.	15.	5.	1.67
+	2 COMBINED AT	CPA59	392.	12.92	138.	44.	15.	1.67
+	DIVERSION TO	D59PA	216.	12.92	76.	24.	8.	1.67
+	HYDROGRAPH AT	DPA59	177.	12.92	62.	20.	7.	1.67
+	ROUTED TO	RPA4	175.	13.08	62.	20.	7.	1.67
+	HYDROGRAPH AT	SCR1S	152.	12.58	33.	8.	3.	1.44
+	ROUTED TO	R1932S	139.	13.08	33.	8.	3.	1.44
+	HYDROGRAPH AT	19-32	646.	12.50	168.	49.	16.	0.96
+	DIVERSION TO	D1932R	65.	12.50	17.	5.	2.	0.96
+	HYDROGRAPH AT	RET19	581.	12.50	151.	44.	15.	0.96
+	HYDROGRAPH AT	S59AW	112.	12.83	26.	7.	2.	1.67

+	ROUTED TO	R1932W	101.	13.33	26.	7.	2.	1.67
+	3 COMBINED AT	C19-32	655.	12.92	207.	58.	19.	3.54
+	DIVERSION TO	D1932W	275.	12.92	87.	24.	8.	3.54
+	HYDROGRAPH AT	D1932S	380.	12.92	120.	34.	11.	3.54
+	2 COMBINED AT	CPA2	547.	12.92	181.	53.	18.	3.54
+	DIVERSION TO	SPA3S	323.	12.92	95.	24.	8.	3.54
+	HYDROGRAPH AT	SPA3W	224.	12.92	86.	30.	10.	3.54
+	ROUTED TO	RPA5	223.	13.08	86.	30.	10.	3.54
+	HYDROGRAPH AT	D67CR	89.	12.75	11.	3.	1.	1.44
+	ROUTED TO	R67C	79.	13.00	11.	3.	1.	1.44
+	HYDROGRAPH AT	D1932W	275.	12.92	87.	24.	8.	3.54
+	2 COMBINED AT	C67B	348.	13.00	97.	27.	9.	3.79
+	DIVERSION TO	S67BW	218.	13.00	52.	13.	4.	3.79
+	HYDROGRAPH AT	S67BS	130.	13.00	45.	14.	5.	3.79
+	ROUTED TO	R67D	127.	13.17	45.	14.	5.	3.79
+	2 COMBINED AT	CPA67	349.	13.17	131.	43.	15.	3.79
+	DIVERSION TO	D67PA	105.	13.17	39.	13.	4.	3.79
+	HYDROGRAPH AT	DPA67	244.	13.17	92.	30.	10.	3.79
+	ROUTED TO	RPA6	242.	13.25	92.	30.	10.	3.79
+	HYDROGRAPH AT	SCR2S	186.	12.92	26.	6.	2.	3.46
+	ROUTED TO	R2431S	163.	13.33	26.	6.	2.	3.46
+	HYDROGRAPH AT	24-31	637.	12.67	189.	56.	19.	1.01

+	DIVERSION TO	D24-31	5.	12.42	1.	0.	0.	1.01
+	HYDROGRAPH AT	RET24	637.	12.67	189.	55.	19.	1.01
+	HYDROGRAPH AT	S67BW	218.	13.00	52.	13.	4.	3.79
+	ROUTED TO	R2431W	206.	13.42	52.	13.	4.	3.79
+	3 COMBINED AT	C24-31	824.	13.25	262.	74.	25.	5.80
+	DIVERSION TO	D2431W	387.	13.25	123.	35.	12.	5.80
+	HYDROGRAPH AT	D2431S	437.	13.25	139.	39.	13.	5.80
+	2 COMBINED AT	CPA3	677.	13.25	229.	69.	23.	5.80
+	DIVERSION TO	SPA4S	327.	13.25	98.	24.	8.	5.80
+	HYDROGRAPH AT	SPA4W	350.	13.25	132.	45.	15.	5.80
+	ROUTED TO	RPA7	347.	13.33	132.	45.	15.	5.80
+	HYDROGRAPH AT	D75CR	273.	13.00	47.	12.	4.	3.46
+	ROUTED TO	R75D	268.	13.17	47.	12.	4.	3.46
+	HYDROGRAPH AT	D2431W	387.	13.25	123.	35.	12.	5.80
+	2 COMBINED AT	C75B	651.	13.17	169.	46.	15.	5.80
+	DIVERSION TO	S75CW	286.	13.17	65.	16.	5.	5.80
+	HYDROGRAPH AT	S75CS	365.	13.17	104.	30.	10.	5.80
+	ROUTED TO	R75E	360.	13.33	104.	30.	10.	5.80
+	2 COMBINED AT	CPA75	707.	13.33	235.	74.	25.	5.80
+	DIVERSION TO	D75PA	407.	13.33	143.	51.	17.	5.80
+	HYDROGRAPH AT	DPA75	301.	13.33	92.	23.	8.	5.80
+	ROUTED TO	RPA8	296.	13.42	92.	23.	8.	5.80

+	HYDROGRAPH AT	SCR3S	206.	13.08	27.	7.	2.	5.76
+	ROUTED TO	R23-31	190.	13.42	27.	7.	2.	5.76
+	HYDROGRAPH AT	23-31	851.	12.42	213.	61.	20.	1.01
+	DIVERSION TO	D2331R	73.	12.25	6.	2.	1.	1.01
+	HYDROGRAPH AT	RET23	851.	12.42	207.	59.	20.	1.01
+	HYDROGRAPH AT	S75CW	286.	13.17	65.	16.	5.	5.80
+	ROUTED TO	R2331W	268.	13.50	65.	16.	5.	5.80
+	3 COMBINED AT	C23-31	846.	12.50	297.	81.	27.	8.10
+	DIVERSION TO	D2331W	403.	12.50	141.	39.	13.	8.10
+	HYDROGRAPH AT	D2331S	437.	12.50	153.	42.	14.	8.10
+	2 COMBINED AT	CPA4	703.	13.33	243.	65.	22.	8.10
+	DIVERSION TO	SPA5S	258.	13.33	82.	20.	7.	8.10
+	HYDROGRAPH AT	SPA5W	445.	13.33	161.	44.	15.	8.10
+	ROUTED TO	RPA9	444.	13.50	161.	44.	15.	8.10
+	HYDROGRAPH AT	D83CR	230.	13.17	40.	10.	3.	5.76
+	ROUTED TO	R83D	223.	13.50	40.	10.	3.	5.76
+	HYDROGRAPH AT	D2331W	403.	12.50	141.	39.	13.	8.10
+	2 COMBINED AT	C83B	598.	13.42	180.	49.	16.	8.10
+	DIVERSION TO	S83BW	261.	13.42	70.	18.	6.	8.10
+	HYDROGRAPH AT	S83BS	336.	13.42	110.	31.	10.	8.10
+	2 COMBINED AT	CPA83	775.	13.42	270.	75.	25.	8.10
+	DIVERSION TO	D83PA	679.	13.42	190.	47.	16.	8.10

+	HYDROGRAPH AT	DPA83	96.	13.33	80.	28.	9.	8.10
+	HYDROGRAPH AT	D2231S	221.	12.58	64.	18.	6.	0.51
+	HYDROGRAPH AT	S83BW	261.	13.42	70.	18.	6.	8.10
+	2 COMBINED AT	C2231E	382.	13.33	130.	34.	11.	11.58
+	ROUTED TO	RES22	379.	12.58	124.	32.	11.	11.58
+	ROUTED TO	R2231W	376.	13.50	124.	32.	11.	11.58
+	HYDROGRAPH AT	22-31W	805.	12.33	152.	45.	15.	0.76
+	DIVERSION TO	D2231C	274.	12.33	52.	15.	5.	0.76
+	HYDROGRAPH AT	D2231B	531.	12.33	100.	30.	10.	0.76
+	3 COMBINED AT	C2231W	872.	12.58	297.	88.	29.	12.35
+	DIVERSION TO	SPA6S	279.	12.58	108.	27.	9.	12.35
+	HYDROGRAPH AT	SPA6W	593.	12.58	189.	61.	20.	12.35
+	ROUTED TO	RPA10	584.	12.67	189.	61.	20.	12.35
+	DIVERSION TO	D91PA	271.	12.67	55.	14.	5.	12.35
+	HYDROGRAPH AT	DPA91	313.	12.67	135.	47.	16.	12.35
+	HYDROGRAPH AT	D2231C	274.	12.33	52.	15.	5.	0.76
+	ROUTED TO	R2231S	249.	12.67	52.	15.	5.	0.76
+	2 COMBINED AT	CPA91	553.	12.67	184.	62.	21.	12.35
+	2 COMBINED AT	NULL2	2643.	13.25	1062.	314.	106.	1.00
+	HYDROGRAPH AT	26-32W	66.	12.33	14.	4.	1.	0.09
+	DIVERSION TO	D350A	62.	12.33	14.	4.	1.	0.09
+	HYDROGRAPH AT	DOA35	4.	12.33	0.	0.	0.	0.09

+	ROUTED TO	ROA1	2.	12.75	0.	0.	0.	0.09
+	HYDROGRAPH AT	27-32	390.	12.58	101.	31.	10.	0.61
+	DIVERSION TO	D2732W	183.	12.58	48.	15.	5.	0.61
+	HYDROGRAPH AT	D2732S	207.	12.58	54.	17.	6.	0.61
+	2 COMBINED AT	COA1	207.	12.58	54.	17.	6.	0.70
+	DIVERSION TO	SOA1S	105.	12.58	21.	5.	2.	0.70
+	HYDROGRAPH AT	SOA1W	102.	12.58	33.	11.	4.	0.70
+	ROUTED TO	ROA2	97.	12.83	33.	11.	4.	0.70
+	HYDROGRAPH AT	D2732W	183.	12.58	48.	15.	5.	0.61
+	DIVERSION TO	S43AW	102.	12.58	19.	5.	2.	0.61
+	HYDROGRAPH AT	S43AS	81.	12.58	28.	10.	3.	0.61
+	ROUTED TO	R43A	78.	12.92	28.	10.	3.	0.61
+	2 COMBINED AT	COA43	174.	12.92	61.	21.	7.	0.70
+	DIVERSION TO	D43OA	122.	12.92	53.	19.	6.	0.70
+	HYDROGRAPH AT	DOA43	52.	12.92	8.	2.	1.	0.70
+	ROUTED TO	ROA3	46.	13.17	8.	2.	1.	0.70
+	HYDROGRAPH AT	SPA1S	114.	12.42	20.	5.	2.	0.40
+	ROUTED TO	R2832S	85.	13.17	20.	5.	2.	0.40
+	HYDROGRAPH AT	28-32	671.	12.58	182.	55.	18.	1.00
+	DIVERSION TO	D28-32	27.	12.58	7.	2.	1.	1.00
+	HYDROGRAPH AT	RET28	644.	12.58	175.	53.	18.	1.00
+	HYDROGRAPH AT	S43AW	102.	12.58	19.	5.	2.	0.61

+	ROUTED TO	R2832W	77.	13.58	19.	5.	2.	0.61
+	3 COMBINED AT	C28-32	667.	12.67	212.	62.	21.	2.09
+	DIVERSION TO	D2832W	227.	12.67	72.	21.	7.	2.09
+	HYDROGRAPH AT	D2832S	440.	12.67	140.	41.	14.	2.09
+	2 COMBINED AT	COA2	456.	12.92	147.	43.	14.	2.09
+	DIVERSION TO	SOA2S	203.	12.92	58.	14.	5.	2.09
+	HYDROGRAPH AT	SOA2W	252.	12.92	90.	28.	9.	2.09
+	ROUTED TO	RAO4	252.	13.00	90.	28.	9.	2.09
+	HYDROGRAPH AT	D51PA	94.	12.67	31.	10.	3.	0.40
+	ROUTED TO	R51B	90.	12.92	31.	10.	3.	0.40
+	HYDROGRAPH AT	D2832W	227.	12.67	72.	21.	7.	2.09
+	2 COMBINED AT	C51A	311.	12.83	102.	31.	10.	2.09
+	DIVERSION TO	S51BW	197.	12.83	53.	13.	4.	2.09
+	HYDROGRAPH AT	S51BS	114.	12.83	49.	17.	6.	2.09
+	ROUTED TO	R51C	113.	13.00	49.	17.	6.	2.09
+	2 COMBINED AT	COA51	365.	13.00	139.	46.	15.	2.09
+	DIVERSION TO	D51OA	8.	13.00	1.	0.	0.	2.09
+	HYDROGRAPH AT	DOA51	357.	13.00	138.	46.	15.	2.09
+	ROUTED TO	ROA5	357.	13.08	138.	46.	15.	2.09
+	HYDROGRAPH AT	SPA2S	261.	12.83	65.	16.	5.	1.40
+	ROUTED TO	R2932S	248.	13.17	65.	16.	5.	1.40
+	HYDROGRAPH AT	29-32	741.	12.50	195.	57.	19.	0.99

+	DIVERSION TO	D2932R	74.	12.50	9.	3.	1.	0.99
+	HYDROGRAPH AT	RET29	667.	12.50	187.	54.	18.	0.99
+	HYDROGRAPH AT	S51BW	197.	12.83	53.	13.	4.	2.09
+	ROUTED TO	R2932W	188.	13.33	53.	13.	4.	2.09
+	3 COMBINED AT	C29-32	923.	13.08	300.	83.	28.	4.07
+	DIVERSION TO	D2932W	323.	13.08	105.	29.	10.	4.07
+	HYDROGRAPH AT	D2932S	600.	13.08	195.	54.	18.	4.07
+	2 COMBINED AT	COA3	955.	13.08	332.	99.	33.	4.07
+	DIVERSION TO	SOA3S	322.	13.08	61.	15.	5.	4.07
+	HYDROGRAPH AT	SOA3W	633.	13.08	272.	84.	28.	4.07
+	ROUTED TO	ROA6	632.	13.17	272.	84.	28.	4.07
+	HYDROGRAPH AT	D59PA	216.	12.92	76.	24.	8.	1.67
+	ROUTED TO	R59C	214.	13.08	76.	24.	8.	1.67
+	HYDROGRAPH AT	D2932W	323.	13.08	105.	29.	10.	4.07
+	2 COMBINED AT	C59B	534.	13.08	180.	53.	18.	4.35
+	DIVERSION TO	S59BW	228.	13.08	69.	17.	6.	4.35
+	HYDROGRAPH AT	S59BS	306.	13.08	110.	36.	12.	4.35
+	ROUTED TO	RR59D	304.	13.17	110.	36.	12.	4.35
+	2 COMBINED AT	COA59	936.	13.17	381.	119.	40.	4.35
+	DIVERSION TO	D59OA	278.	13.17	66.	17.	6.	4.35
+	HYDROGRAPH AT	DOA59	658.	13.17	315.	103.	35.	4.35
+	ROUTED TO	ROA7	657.	13.25	315.	103.	35.	4.35

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+	HYDROGRAPH AT	SPA3S	323.	12.92	95.	24.	8.	3.54
+	ROUTED TO	R3032S	318.	13.25	95.	24.	8.	3.54
+	HYDROGRAPH AT	30-32	797.	12.50	184.	55.	18.	0.96
+	DIVERSION TO	D3032R	64.	12.50	15.	4.	1.	0.96
+	HYDROGRAPH AT	RET30	733.	12.50	170.	50.	17.	0.96
+	HYDROGRAPH AT	S59BW	228.	13.08	69.	17.	6.	4.35
+	ROUTED TO	R3032W	226.	13.25	69.	17.	6.	4.35
+	3 COMBINED AT	C30-32	976.	13.00	328.	90.	30.	7.18
+	DIVERSION TO	D3032W	410.	13.00	138.	38.	13.	7.18
+	HYDROGRAPH AT	D3032S	566.	13.00	190.	52.	17.	7.18
+	2 COMBINED AT	COA4	1200.	13.08	504.	155.	52.	7.18
+	DIVERSION TO	SOA4S	302.	13.08	68.	17.	6.	7.18
+	HYDROGRAPH AT	SOA4W	897.	13.08	436.	138.	46.	7.18
+	ROUTED TO	ROA8	895.	13.17	435.	138.	46.	7.18
+	HYDROGRAPH AT	D67PA	105.	13.17	39.	13.	4.	3.79
+	ROUTED TO	R67E	103.	13.33	39.	13.	4.	3.79
+	HYDROGRAPH AT	D3032W	410.	13.00	138.	38.	13.	7.18
+	2 COMBINED AT	C67C	497.	13.00	176.	51.	17.	7.43
+	DIVERSION TO	S67CW	260.	13.00	82.	21.	7.	7.43
+	HYDROGRAPH AT	S67CS	237.	13.00	94.	30.	10.	7.43
+	ROUTED TO	R67F	235.	13.17	94.	30.	10.	7.43
+	2 COMBINED AT	COA67	1130.	13.17	529.	168.	56.	7.43

+	DIVERSION TO	D670A	217.	13.17	40.	10.	3.	7.43
+	HYDROGRAPH AT	DOA67	913.	13.17	490.	158.	53.	7.43
+	ROUTED TO	ROA9	912.	13.25	490.	158.	53.	7.43
+	HYDROGRAPH AT	SPA4S	327.	13.25	98.	24.	8.	5.80
+	ROUTED TO	R2531S	318.	13.58	98.	24.	8.	5.80
+	HYDROGRAPH AT	25-31	803.	12.50	197.	57.	19.	1.00
+	DIVERSION TO	D2531R	88.	12.50	22.	6.	2.	1.00
+	HYDROGRAPH AT	RET25	715.	12.50	176.	51.	17.	1.00
+	HYDROGRAPH AT	S67CW	260.	13.00	82.	21.	7.	7.43
+	ROUTED TO	R2531W	251.	13.42	82.	21.	7.	7.43
+	3 COMBINED AT	C25-31	888.	13.17	345.	94.	31.	11.46
+	DIVERSION TO	D2531W	417.	13.17	162.	44.	15.	11.46
+	HYDROGRAPH AT	D2531S	471.	13.17	183.	50.	17.	11.46
+	2 COMBINED AT	COA5	1379.	13.17	670.	206.	69.	11.46
+	DIVERSION TO	SOA5S	371.	13.17	140.	35.	12.	11.46
+	HYDROGRAPH AT	SOA5W	1008.	13.17	529.	171.	58.	11.46
+	DIVERSION TO	RES25O	589.	12.42	159.	47.	16.	11.46
+	HYDROGRAPH AT	RES25	1005.	13.17	433.	125.	42.	11.46
+	ROUTED TO	ROA10	1023.	13.33	431.	125.	42.	11.46
+	HYDROGRAPH AT	D75PA	407.	13.33	143.	51.	17.	5.80
+	ROUTED TO	R75F	404.	13.42	143.	51.	17.	5.80
+	HYDROGRAPH AT	D2531W	417.	13.17	162.	44.	15.	11.46

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+	2 COMBINED AT	C75C	792.	13.33	303.	95.	32.	11.46
+	DIVERSION TO	S75DW	454.	13.33	162.	41.	14.	11.46
+	HYDROGRAPH AT	S75DS	338.	13.33	142.	54.	18.	11.46
+	ROUTED TO	R75G	337.	13.42	142.	54.	18.	11.46
+	2 COMBINED AT	COA75	1356.	13.33	567.	178.	60.	11.46
+	DIVERSION TO	D750A	964.	13.33	249.	62.	21.	11.46
+	HYDROGRAPH AT	DOA75	392.	13.25	318.	116.	39.	11.46
+	HYDROGRAPH AT	SPA5S	258.	13.33	82.	20.	7.	8.10
+	HYDROGRAPH AT	26-31E	727.	12.17	94.	26.	9.	0.46
+	DIVERSION TO	D2631R	163.	12.00	10.	3.	1.	0.46
+	HYDROGRAPH AT	RET26	727.	12.17	85.	24.	8.	0.46
+	2 COMBINED AT	C2631E	778.	12.17	158.	42.	14.	15.22
+	DIVERSION TO	D2631N	272.	12.17	55.	15.	5.	15.22
+	HYDROGRAPH AT	D2631E	506.	12.17	103.	27.	9.	15.22
+	HYDROGRAPH AT	S75DW	454.	13.33	162.	41.	14.	11.46
+	3 COMBINED AT	C2631S	1023.	13.33	568.	182.	61.	15.22
+	ROUTED TO	RES26S	989.	13.58	513.	155.	52.	15.22
+	DIVERSION TO	D26AS	989.	13.58	513.	155.	52.	15.22
+	HYDROGRAPH AT	D26AW	0.	0.08	0.	0.	0.	15.22
+	HYDROGRAPH AT	26-31W	763.	12.25	102.	27.	9.	0.54
+	DIVERSION TO	D2631N	412.	12.25	55.	15.	5.	0.54
+	HYDROGRAPH AT	D2631S	351.	12.25	47.	13.	4.	0.54

+	2 COMBINED AT	COA6	334.	12.25	44.	12.	4.	15.76
+	DIVERSION TO	SOA6S	0.	12.17	0.	0.	0.	15.76
+	HYDROGRAPH AT	SOA6W	334.	12.25	44.	12.	4.	15.76
+	DIVERSION TO	RES26O	134.	12.00	30.	8.	3.	15.76
+	HYDROGRAPH AT	RES26	200.	12.25	14.	3.	1.	15.76
+	ROUTED TO	ROA11	168.	12.42	14.	3.	1.	15.76
+	HYDROGRAPH AT	D83PA	679.	13.42	190.	47.	16.	8.10
+	HYDROGRAPH AT	D2631N	272.	12.17	55.	15.	5.	15.22
+	2 COMBINED AT	C2631N	743.	13.42	237.	60.	20.	15.22
+	ROUTED TO	RES26N	145.	14.75	65.	17.	6.	15.22
+	ROUTED TO	R2631W	145.	14.83	64.	17.	6.	15.22
+	HYDROGRAPH AT	D2631N	272.	12.17	55.	15.	5.	15.22
+	2 COMBINED AT	C2631W	272.	12.17	112.	31.	11.	15.76
+	DIVERSION TO	S83CW	87.	12.17	28.	7.	2.	15.76
+	HYDROGRAPH AT	S83CS	184.	12.17	84.	24.	8.	15.76
+	ROUTED TO	R83E	162.	12.42	83.	24.	8.	15.76
+	2 COMBINED AT	COA83	330.	12.42	97.	27.	9.	15.76
+	DIVERSION TO	D83OA	0.	12.42	0.	0.	0.	15.76
+	HYDROGRAPH AT	DOA83	330.	12.42	97.	27.	9.	15.76
+	ROUTED TO	ROA12	303.	12.58	96.	27.	9.	15.76
+	HYDROGRAPH AT	SPA6S	279.	12.58	108.	27.	9.	12.35
+	ROUTED TO	R2731S	262.	13.00	107.	27.	9.	12.35

+	HYDROGRAPH AT	27-31	703.	12.58	188.	53.	18.	1.01
+	HYDROGRAPH AT	S83CW	87.	12.17	28.	7.	2.	15.76
+	ROUTED TO	R2731W	48.	13.08	28.	7.	2.	15.76
+	3 COMBINED AT	C27-31	892.	12.75	306.	83.	28.	18.05
+	DIVERSION TO	D2731W	312.	12.75	107.	29.	10.	18.05
+	HYDROGRAPH AT	D2731S	580.	12.75	199.	54.	18.	18.05
+	2 COMBINED AT	COA7	856.	12.67	291.	81.	27.	18.05
+	DIVERSION TO	SOA7S	134.	12.67	11.	3.	1.	18.05
+	HYDROGRAPH AT	SOA7W	722.	12.67	280.	78.	26.	18.05
+	ROUTED TO	ROA13	718.	12.75	279.	78.	26.	18.05
+	HYDROGRAPH AT	D91PA	271.	12.67	55.	14.	5.	12.35
+	ROUTED TO	R91A	263.	12.83	55.	14.	5.	12.35
+	HYDROGRAPH AT	D2731W	312.	12.75	107.	29.	10.	18.05
+	2 COMBINED AT	C91A	567.	12.83	160.	42.	14.	18.05
+	DIVERSION TO	S91AW	136.	12.83	34.	8.	3.	18.05
+	HYDROGRAPH AT	S91AS	431.	12.83	126.	34.	11.	18.05
+	ROUTED TO	R91B	425.	13.00	126.	34.	11.	18.05
+	2 COMBINED AT	COA91	1108.	12.92	405.	112.	37.	18.05
+	DIVERSION TO	D91OA	270.	12.92	40.	10.	3.	18.05
+	HYDROGRAPH AT	DOA91	838.	12.92	365.	102.	34.	18.05
+	HYDROGRAPH AT	28-31	69.	12.58	22.	6.	2.	0.14
+	HYDROGRAPH AT	S91AW	136.	12.83	34.	8.	3.	18.05

+	ROUTED TO	R2831	131.	12.92	34.	8.	3.	18.05
+	3 COMBINED AT	C28-31	1026.	12.92	418.	115.	39.	18.19
+	ROUTED TO	RADOT2	1019.	13.00	417.	115.	39.	18.19
+	HYDROGRAPH AT	36-32	129.	12.25	26.	8.	3.	0.11
+	DIVERSION TO	D27NA	129.	12.25	26.	8.	3.	0.11
+	HYDROGRAPH AT	DNA27	0.	0.08	0.	0.	0.	0.11
+	HYDROGRAPH AT	26-32E	161.	12.08	27.	9.	3.	0.11
+	ROUTED TO	R3532S	111.	12.58	27.	9.	3.	0.11
+	HYDROGRAPH AT	35-32	800.	12.42	170.	53.	18.	0.99
+	DIVERSION TO	D3532W	264.	12.42	56.	17.	6.	0.99
+	HYDROGRAPH AT	D3532S	536.	12.42	114.	35.	12.	0.99
+	3 COMBINED AT	C35-32	606.	12.50	140.	44.	15.	1.09
+	DIVERSION TO	SNA1S	606.	12.50	140.	44.	15.	1.09
+	HYDROGRAPH AT	SNA1W	0.	0.08	0.	0.	0.	1.09
+	HYDROGRAPH AT	D35OA	62.	12.33	14.	4.	1.	0.09
+	ROUTED TO	R35A	57.	12.58	14.	4.	1.	0.09
+	HYDROGRAPH AT	D3532W	264.	12.42	56.	17.	6.	0.99
+	2 COMBINED AT	C35A	315.	12.42	70.	22.	7.	1.07
+	DIVERSION TO	S35AW	161.	12.42	19.	5.	2.	1.07
+	HYDROGRAPH AT	S35AS	155.	12.42	51.	17.	6.	1.07
+	ROUTED TO	R35B	152.	12.58	51.	17.	6.	1.07
+	2 COMBINED AT	CNA35	152.	12.58	51.	17.	6.	1.07

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+	DIVERSION TO	D35NA	135.	12.58	48.	16.	5.	1.07
+	HYDROGRAPH AT	DNA35	17.	12.58	3.	1.	0.	1.07
+	ROUTED TO	RNA1	14.	13.17	3.	1.	0.	1.07
+	HYDROGRAPH AT	SOA1S	105.	12.58	21.	5.	2.	0.70
+	ROUTED TO	R3432S	82.	13.42	21.	5.	2.	0.70
+	HYDROGRAPH AT	34-32	749.	12.50	173.	53.	18.	0.99
+	HYDROGRAPH AT	S35AW	161.	12.42	19.	5.	2.	1.07
+	ROUTED TO	R3432W	91.	13.58	19.	5.	2.	1.07
+	3 COMBINED AT	C34-32	751.	12.50	210.	62.	21.	2.68
+	DIVERSION TO	D3432W	285.	12.50	80.	24.	8.	2.68
+	HYDROGRAPH AT	D3432S	466.	12.50	130.	38.	13.	2.68
+	2 COMBINED AT	CNA1	469.	12.50	133.	39.	13.	2.68
+	DIVERSION TO	SNA2S	320.	12.50	99.	30.	10.	2.68
+	HYDROGRAPH AT	SNA2W	148.	12.50	34.	9.	3.	2.68
+	ROUTED TO	RNA2	142.	12.75	34.	9.	3.	2.68
+	HYDROGRAPH AT	D43OA	122.	12.92	53.	19.	6.	0.70
+	ROUTED TO	R43B	121.	13.08	53.	19.	6.	0.70
+	HYDROGRAPH AT	D3432W	285.	12.50	80.	24.	8.	2.68
+	2 COMBINED AT	C43B	355.	12.58	132.	42.	14.	2.68
+	DIVERSION TO	S43BW	142.	12.58	31.	8.	3.	2.68
+	HYDROGRAPH AT	S43BS	213.	12.58	101.	35.	12.	2.68
+	ROUTED TO	R43C	212.	12.83	101.	35.	12.	2.68

+	2 COMBINED AT	CNA43	353.	12.75	135.	44.	15.	2.68
+	DIVERSION TO	D43NA	353.	12.75	135.	44.	15.	2.68
+	HYDROGRAPH AT	DNA43	0.	0.08	0.	0.	0.	2.68
+	ROUTED TO	RNA3	0.	0.08	0.	0.	0.	2.68
+	HYDROGRAPH AT	SOA2S	203.	12.92	58.	14.	5.	2.09
+	ROUTED TO	R3332S	199.	13.33	58.	14.	5.	2.09
+	HYDROGRAPH AT	33-32	585.	12.58	172.	54.	18.	0.99
+	HYDROGRAPH AT	S43BW	142.	12.58	31.	8.	3.	2.68
+	ROUTED TO	R3332W	120.	13.50	31.	8.	3.	2.68
+	3 COMBINED AT	C33-32	714.	13.08	256.	75.	25.	5.06
+	DIVERSION TO	D3332W	193.	13.08	69.	20.	7.	5.06
+	HYDROGRAPH AT	D3332S	521.	13.08	187.	54.	18.	5.06
+	2 COMBINED AT	CNA2	521.	13.08	187.	54.	18.	5.06
+	DIVERSION TO	SNA3S	258.	13.08	87.	22.	7.	5.06
+	HYDROGRAPH AT	SNA3W	263.	13.08	100.	33.	11.	5.06
+	ROUTED TO	RNA4	262.	13.25	100.	33.	11.	5.06
+	HYDROGRAPH AT	D51OA	8.	13.00	1.	0.	0.	2.09
+	ROUTED TO	R51D	5.	13.42	1.	0.	0.	2.09
+	HYDROGRAPH AT	D3332W	193.	13.08	69.	20.	7.	5.06
+	2 COMBINED AT	C51B	194.	13.08	70.	20.	7.	5.06
+	DIVERSION TO	S51CW	106.	13.08	31.	8.	3.	5.06
+	HYDROGRAPH AT	S51CS	88.	13.08	39.	13.	4.	5.06

+	ROUTED TO	R51E	87.	13.33	39.	13.	4.	5.06
+	2 COMBINED AT	CNA51	349.	13.25	138.	45.	15.	5.10
+	DIVERSION TO	D51NA	195.	13.25	77.	25.	8.	5.10
+	HYDROGRAPH AT	DNA51	153.	13.25	61.	20.	7.	5.10
+	ROUTED TO	RNA5	152.	13.42	61.	20.	7.	5.10
+	HYDROGRAPH AT	SOA3S	322.	13.08	61.	15.	5.	4.07
+	ROUTED TO	R3232S	313.	13.33	61.	15.	5.	4.07
+	HYDROGRAPH AT	32-32	588.	12.67	168.	48.	16.	0.99
+	DIVERSION TO	D3232R	37.	12.33	3.	1.	0.	0.99
+	HYDROGRAPH AT	RET32	588.	12.67	166.	47.	16.	0.99
+	HYDROGRAPH AT	S51CW	106.	13.08	31.	8.	3.	5.06
+	ROUTED TO	R3232W	100.	13.58	31.	8.	3.	5.06
+	3 COMBINED AT	C32-32	786.	13.25	252.	69.	23.	8.03
+	DIVERSION TO	D3232W	283.	13.25	91.	25.	8.	8.03
+	HYDROGRAPH AT	D3232S	503.	13.25	161.	44.	15.	8.03
+	2 COMBINED AT	CNA3	652.	13.25	221.	64.	21.	8.03
+	DIVERSION TO	SNA4S	241.	13.25	82.	23.	8.	8.03
+	HYDROGRAPH AT	SNA4W	411.	13.25	140.	40.	14.	8.03
+	ROUTED TO	RNA6	408.	13.33	140.	40.	14.	8.03
+	HYDROGRAPH AT	D590A	278.	13.17	66.	17.	6.	4.35
+	ROUTED TO	R59E	276.	13.25	66.	17.	6.	4.35
+	HYDROGRAPH AT	D3232W	283.	13.25	91.	25.	8.	8.03

+	2 COMBINED AT	C59C	556.	13.25	156.	41.	14.	8.32
+	DIVERSION TO	S59CW	319.	13.25	82.	20.	7.	8.32
+	HYDROGRAPH AT	S59CS	237.	13.25	74.	21.	7.	8.32
+	ROUTED TO	R59F	235.	13.42	74.	21.	7.	8.32
+	2 COMBINED AT	CNA59	643.	13.42	214.	61.	20.	8.32
+	DIVERSION TO	D59NA	315.	13.42	105.	30.	10.	8.32
+	HYDROGRAPH AT	DNA59	328.	13.42	109.	31.	10.	8.32
+	ROUTED TO	RNA7	327.	13.50	109.	31.	10.	8.32
+	HYDROGRAPH AT	SOA4S	302.	13.08	68.	17.	6.	7.18
+	ROUTED TO	R3132S	293.	13.42	68.	17.	6.	7.18
+	HYDROGRAPH AT	31-32	714.	12.50	177.	51.	17.	0.95
+	DIVERSION TO	D3132R	26.	12.25	2.	1.	0.	0.95
+	HYDROGRAPH AT	RET31	714.	12.50	175.	50.	17.	0.95
+	HYDROGRAPH AT	S59CW	319.	13.25	82.	20.	7.	8.32
+	ROUTED TO	R3132W	315.	13.50	82.	20.	7.	8.32
+	3 COMBINED AT	C31-32	931.	13.25	314.	85.	28.	12.10
+	DIVERSION TO	D3132W	270.	13.25	91.	25.	8.	12.10
+	HYDROGRAPH AT	D3132S	661.	13.25	223.	60.	20.	12.10
+	2 COMBINED AT	CNA4	956.	13.33	330.	91.	30.	12.10
+	DIVERSION TO	SNA5S	449.	13.33	146.	37.	12.	12.10
+	HYDROGRAPH AT	SNA5W	506.	13.33	184.	55.	18.	12.10
+	ROUTED TO	RNA8	504.	13.50	184.	55.	18.	12.10

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+	HYDROGRAPH AT	D67OA	217.	13.17	40.	10.	3.	7.43
+	ROUTED TO	R67G	212.	13.33	40.	10.	3.	7.43
+	HYDROGRAPH AT	D3132W	270.	13.25	91.	25.	8.	12.10
+	2 COMBINED AT	C67D	474.	13.25	129.	34.	11.	12.35
+	DIVERSION TO	S67DW	113.	13.25	28.	7.	2.	12.35
+	HYDROGRAPH AT	S67DS	361.	13.25	101.	27.	9.	12.35
+	ROUTED TO	R67H	359.	13.42	101.	27.	9.	12.35
+	2 COMBINED AT	CNA67	861.	13.42	284.	82.	27.	12.37
+	DIVERSION TO	D67NA	861.	13.42	284.	82.	27.	12.37
+	HYDROGRAPH AT	DNA67	0.	0.08	0.	0.	0.	12.37
+	HYDROGRAPH AT	D75OA	964.	13.33	249.	62.	21.	11.46
+	HYDROGRAPH AT	SOA5S	371.	13.17	140.	35.	12.	11.46
+	HYDROGRAPH AT	36-31E	521.	12.33	93.	27.	9.	0.50
+	HYDROGRAPH AT	S67DW	113.	13.25	28.	7.	2.	12.35
+	ROUTED TO	R3631W	105.	13.83	28.	7.	2.	12.35
+	HYDROGRAPH AT	D26AS	989.	13.58	513.	155.	52.	15.22
+	5 COMBINED AT	C3631E	2357.	13.33	971.	277.	93.	20.60
+	ROUTED TO	RES36	2305.	13.58	926.	260.	87.	20.60
+	ROUTED TO	R3631	2305.	13.67	925.	260.	87.	20.60
+	HYDROGRAPH AT	36-31W	692.	12.17	102.	32.	11.	0.51
+	2 COMBINED AT	C3631W	2331.	13.67	988.	288.	97.	21.14
+	DIVERSION TO	D3631W	1842.	13.67	781.	227.	76.	21.14

+	HYDROGRAPH AT	D3631S	490.	13.67	207.	60.	20.	21.14
+	2 COMBINED AT	CNA5	490.	13.67	207.	60.	20.	21.14
+	DIVERSION TO	SNA6S	183.	13.67	71.	18.	6.	21.14
+	HYDROGRAPH AT	SNA6W	307.	13.67	136.	43.	14.	21.14
+	ROUTED TO	RNA9	305.	13.75	136.	43.	14.	21.14
+	HYDROGRAPH AT	D3631W	1842.	13.67	781.	227.	76.	21.14
+	DIVERSION TO	S75EW	450.	13.67	189.	52.	17.	21.14
+	HYDROGRAPH AT	S75ES	1392.	13.67	592.	176.	59.	21.14
+	ROUTED TO	R75H	1391.	13.75	591.	176.	59.	21.14
+	2 COMBINED AT	CNA75	1696.	13.75	727.	218.	73.	21.14
+	DIVERSION TO	D75NA	526.	13.75	225.	68.	23.	21.14
+	HYDROGRAPH AT	DNA75	1170.	13.75	501.	151.	51.	21.14
+	ROUTED TO	RNA10	1168.	13.83	500.	151.	51.	21.14
+	HYDROGRAPH AT	SOA6S	0.	12.17	0.	0.	0.	15.76
+	ROUTED TO	R3531S	0.	13.00	0.	0.	0.	15.76
+	HYDROGRAPH AT	35-31	725.	12.50	164.	45.	15.	1.00
+	HYDROGRAPH AT	S75EW	450.	13.67	189.	52.	17.	21.14
+	ROUTED TO	R3531W	448.	13.83	187.	52.	17.	21.14
+	3 COMBINED AT	C35-31	771.	12.50	332.	92.	31.	22.69
+	DIVERSION TO	D3531W	378.	12.50	163.	45.	15.	22.69
+	HYDROGRAPH AT	D3531S	393.	12.50	170.	47.	16.	22.69
+	2 COMBINED AT	CNA6	1468.	13.75	664.	197.	66.	22.69

+	DIVERSION TO	SNA7S	340.	13.75	151.	40.	13.	22.69
+	HYDROGRAPH AT	SNA7W	1128.	13.75	512.	157.	53.	22.69
+	ROUTED TO	RNA11	1128.	13.83	512.	157.	53.	22.69
+	HYDROGRAPH AT	D83OA	0.	12.42	0.	0.	0.	15.76
+	ROUTED TO	R83F	0.	12.75	0.	0.	0.	15.76
+	HYDROGRAPH AT	D3531W	378.	12.50	163.	45.	15.	22.69
+	2 COMBINED AT	C83C	378.	12.50	163.	45.	15.	22.69
+	DIVERSION TO	S83DW	145.	12.50	52.	13.	4.	22.69
+	HYDROGRAPH AT	S83DS	233.	12.50	110.	32.	11.	22.69
+	ROUTED TO	R83G	227.	12.67	110.	32.	11.	22.69
+	2 COMBINED AT	CNA83	1315.	13.83	621.	188.	63.	22.69
+	DIVERSION TO	D83NA	0.	13.67	0.	0.	0.	22.69
+	HYDROGRAPH AT	DNA83	1315.	13.83	621.	188.	63.	22.69
+	ROUTED TO	RNA12	1312.	13.92	620.	188.	63.	22.69
+	DIVERSION TO	RES34O	202.	12.42	127.	35.	12.	22.69
+	HYDROGRAPH AT	RES34	1110.	13.92	506.	155.	52.	22.69
+	HYDROGRAPH AT	SOA7S	134.	12.67	11.	3.	1.	18.05
+	ROUTED TO	R3431S	73.	13.25	11.	3.	1.	18.05
+	HYDROGRAPH AT	34-31	570.	12.67	159.	44.	15.	1.00
+	DIVERSION TO	D3431R	34.	12.67	10.	3.	1.	1.00
+	HYDROGRAPH AT	RET34	536.	12.67	149.	41.	14.	1.00
+	HYDROGRAPH AT	S83DW	145.	12.50	52.	13.	4.	22.69

+	ROUTED TO	R3431W	123.	13.17	52.	13.	4.	22.69
+	3 COMBINED AT	C34-31	578.	13.08	198.	54.	18.	25.97
+	DIVERSION TO	D3431W	253.	13.08	110.	32.	11.	25.97
+	HYDROGRAPH AT	D3431S	325.	13.08	88.	22.	7.	25.97
+	2 COMBINED AT	CNA7	1245.	13.92	581.	176.	59.	25.97
+	DIVERSION TO	SNA8S	531.	13.92	238.	63.	21.	25.97
+	HYDROGRAPH AT	SNA8W	713.	13.92	343.	113.	38.	25.97
+	ROUTED TO	RNA13	711.	14.00	342.	113.	38.	25.97
+	HYDROGRAPH AT	D91OA	270.	12.92	40.	10.	3.	18.05
+	ROUTED TO	R91C	265.	13.00	40.	10.	3.	18.05
+	HYDROGRAPH AT	D3431W	253.	13.08	110.	32.	11.	25.97
+	2 COMBINED AT	C91B	507.	13.08	148.	41.	14.	25.97
+	DIVERSION TO	S91BW	169.	13.08	79.	24.	8.	25.97
+	HYDROGRAPH AT	S91BS	339.	13.08	69.	17.	6.	25.97
+	ROUTED TO	R91D	334.	13.17	69.	17.	6.	25.97
+	2 COMBINED AT	CNA91	848.	13.92	409.	130.	44.	25.97
+	DIVERSION TO	D91NA	489.	13.92	226.	64.	21.	25.97
+	HYDROGRAPH AT	DNA91	359.	13.92	183.	67.	22.	25.97
+	ROUTED TO	RNA14	356.	14.00	183.	67.	22.	25.97
+	HYDROGRAPH AT	S91BW	169.	13.08	79.	24.	8.	25.97
+	ROUTED TO	R3331W	167.	13.25	79.	24.	8.	25.97
+	HYDROGRAPH AT	33-31	139.	12.50	35.	9.	3.	0.26

+	4 COMBINED AT	C33-31	1541.	13.08	688.	207.	70.	26.37
+	ROUTED TO	R421S	1542.	13.17	688.	207.	70.	26.37
+	2 COMBINED AT	NULL3	4314.	13.17	1830.	543.	184.	1.00
+	HYDROGRAPH AT	1-22	195.	12.42	44.	13.	4.	0.24
+	DIVERSION TO	D122W	158.	12.42	35.	11.	4.	0.24
+	HYDROGRAPH AT	D122S	37.	12.42	8.	2.	1.	0.24
+	HYDROGRAPH AT	D27NA	129.	12.25	26.	8.	3.	0.11
+	ROUTED TO	R27A	117.	12.42	26.	8.	3.	0.11
+	HYDROGRAPH AT	D122W	158.	12.42	35.	11.	4.	0.24
+	2 COMBINED AT	C27A	272.	12.42	61.	19.	6.	0.36
+	DIVERSION TO	S27AW	71.	12.42	6.	2.	1.	0.36
+	HYDROGRAPH AT	S27AS	201.	12.42	54.	17.	6.	0.36
+	ROUTED TO	R27B	197.	12.58	54.	17.	6.	0.36
+	2 COMBINED AT	CGA27	231.	12.58	63.	20.	7.	0.36
+	DIVERSION TO	D27GA	231.	12.58	63.	20.	7.	0.36
+	HYDROGRAPH AT	DGA27	0.	0.08	0.	0.	0.	0.36
+	HYDROGRAPH AT	2-22	548.	12.67	161.	47.	16.	1.00
+	DIVERSION TO	D222W	49.	12.67	14.	4.	1.	1.00
+	HYDROGRAPH AT	D222S	498.	12.67	146.	43.	14.	1.00
+	HYDROGRAPH AT	SNA1S	606.	12.50	140.	44.	15.	1.09
+	ROUTED TO	R222S	595.	12.67	140.	44.	15.	1.09
+	HYDROGRAPH AT	S27AW	71.	12.42	6.	2.	1.	0.36

+	ROUTED TO	R222W	49.	12.92	6.	2.	1.	0.36
+	3 COMBINED AT	C2-22	1104.	12.67	289.	88.	29.	2.45
+	HYDROGRAPH AT	D35NA	135.	12.58	48.	16.	5.	1.07
+	ROUTED TO	R35C	133.	12.75	48.	16.	5.	1.07
+	HYDROGRAPH AT	D222W	49.	12.67	14.	4.	1.	1.00
+	2 COMBINED AT	C35B	181.	12.75	62.	20.	7.	2.08
+	DIVERSION TO	S35BW	57.	12.75	9.	2.	1.	2.08
+	HYDROGRAPH AT	S35BS	124.	12.75	53.	18.	6.	2.08
+	ROUTED TO	R35D	123.	12.92	53.	18.	6.	2.08
+	DIVERSION TO	S35CS	82.	12.92	35.	12.	4.	2.08
+	HYDROGRAPH AT	S35CE	40.	12.92	17.	6.	2.	2.08
+	3 COMBINED AT	CGA1	1140.	12.67	307.	94.	31.	2.54
+	DIVERSION TO	SGA1S	1140.	12.67	307.	94.	31.	2.54
+	HYDROGRAPH AT	SGA1W	0.	0.08	0.	0.	0.	2.54
+	HYDROGRAPH AT	S35CS	82.	12.92	35.	12.	4.	2.08
+	2 COMBINED AT	CGA35	82.	12.92	35.	12.	4.	2.10
+	DIVERSION TO	D35GA	79.	12.92	35.	12.	4.	2.10
+	HYDROGRAPH AT	DGA35	3.	12.92	1.	0.	0.	2.10
+	ROUTED TO	RGA1	2.	13.42	1.	0.	0.	2.10
+	HYDROGRAPH AT	SNA2S	320.	12.50	99.	30.	10.	2.68
+	ROUTED TO	R322S	308.	12.83	99.	30.	10.	2.68
+	HYDROGRAPH AT	3-22	755.	12.50	184.	55.	19.	1.00

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+	HYDROGRAPH AT	S35BW	57.	12.75	9.	2.	1.	2.08
+	ROUTED TO	R322W	41.	13.83	9.	2.	1.	2.08
+	3 COMBINED AT	C3-22	984.	12.67	288.	86.	29.	4.68
+	DIVERSION TO	D322W	359.	12.67	78.	20.	7.	4.68
+	HYDROGRAPH AT	D322S	625.	12.67	210.	67.	22.	4.68
+	2 COMBINED AT	CGA2	625.	12.67	211.	67.	22.	4.68
+	DIVERSION TO	SGA2S	412.	12.67	147.	47.	16.	4.68
+	HYDROGRAPH AT	SGA2W	213.	12.67	63.	20.	7.	4.68
+	ROUTED TO	RGA2	210.	12.83	63.	20.	7.	4.68
+	HYDROGRAPH AT	D43NA	353.	12.75	135.	44.	15.	2.68
+	ROUTED TO	R43D	351.	12.83	135.	44.	15.	2.68
+	HYDROGRAPH AT	D322W	359.	12.67	78.	20.	7.	4.68
+	2 COMBINED AT	C43C	693.	12.75	212.	63.	21.	4.68
+	DIVERSION TO	S43CW	283.	12.75	63.	16.	5.	4.68
+	HYDROGRAPH AT	S43CS	410.	12.75	149.	47.	16.	4.68
+	ROUTED TO	R43E	408.	12.83	149.	47.	16.	4.68
+	2 COMBINED AT	CGA43	617.	12.83	212.	67.	22.	4.68
+	DIVERSION TO	D43GA	328.	12.83	139.	49.	16.	4.68
+	HYDROGRAPH AT	DGA43	290.	12.83	73.	18.	6.	4.68
+	ROUTED TO	RGA3	286.	13.00	73.	18.	6.	4.68
+	HYDROGRAPH AT	SNA3S	258.	13.08	87.	22.	7.	5.06
+	ROUTED TO	R422S	255.	13.33	87.	22.	7.	5.06

+	HYDROGRAPH AT	4-22	553.	12.58	167.	52.	17.	1.00
+	HYDROGRAPH AT	S43CW	283.	12.75	63.	16.	5.	4.68
+	ROUTED TO	R422W	268.	13.17	63.	16.	5.	4.68
+	3 COMBINED AT	C4-22	927.	13.08	312.	88.	29.	8.07
+	DIVERSION TO	D422W	389.	13.08	131.	37.	12.	8.07
+	HYDROGRAPH AT	D422S	538.	13.08	181.	51.	17.	8.07
+	2 COMBINED AT	CGA3	818.	13.08	254.	69.	23.	8.07
+	DIVERSION TO	SGA3S	544.	13.08	166.	45.	15.	8.07
+	HYDROGRAPH AT	SGA3W	274.	13.08	88.	25.	8.	8.07
+	ROUTED TO	RGA4	270.	13.33	87.	25.	8.	8.07
+	HYDROGRAPH AT	D51NA	195.	13.25	77.	25.	8.	5.10
+	ROUTED TO	R51F	194.	13.42	77.	25.	8.	5.10
+	HYDROGRAPH AT	D422W	389.	13.08	131.	37.	12.	8.07
+	2 COMBINED AT	C51C	571.	13.17	208.	62.	21.	8.07
+	DIVERSION TO	S51DW	335.	13.17	110.	28.	9.	8.07
+	HYDROGRAPH AT	S51DS	236.	13.17	98.	34.	12.	8.07
+	ROUTED TO	R51G	235.	13.33	98.	34.	12.	8.07
+	2 COMBINED AT	CGA51	504.	13.33	185.	59.	20.	8.07
+	DIVERSION TO	D51GA	277.	13.33	102.	32.	11.	8.07
+	HYDROGRAPH AT	DGA51	227.	13.33	83.	27.	9.	8.07
+	ROUTED TO	RGA5	225.	13.42	83.	27.	9.	8.07
+	HYDROGRAPH AT	SNA4S	241.	13.25	82.	23.	8.	8.03

+	ROUTED TO	R522S	234.	13.67	82.	23.	8.	8.03
+	HYDROGRAPH AT	5-22	734.	12.42	163.	51.	17.	1.01
+	HYDROGRAPH AT	S51DW	335.	13.17	110.	28.	9.	8.07
+	ROUTED TO	R522W	329.	13.50	110.	28.	9.	8.07
+	3 COMBINED AT	C5-22	765.	13.17	342.	99.	33.	12.10
+	DIVERSION TO	D522W	367.	13.17	164.	47.	16.	12.10
+	HYDROGRAPH AT	D522S	398.	13.17	178.	51.	17.	12.10
+	2 COMBINED AT	CGA4	611.	13.42	260.	78.	26.	12.10
+	DIVERSION TO	SGA4S	424.	13.42	171.	48.	16.	12.10
+	HYDROGRAPH AT	SGA4W	187.	13.42	89.	30.	10.	12.10
+	ROUTED TO	RGA6	185.	13.58	89.	30.	10.	12.10
+	HYDROGRAPH AT	D59NA	315.	13.42	105.	30.	10.	8.32
+	ROUTED TO	R59G	313.	13.50	105.	30.	10.	8.32
+	HYDROGRAPH AT	D522W	367.	13.17	164.	47.	16.	12.10
+	2 COMBINED AT	C59D	659.	13.50	267.	77.	26.	12.34
+	DIVERSION TO	S59DW	466.	13.50	178.	45.	15.	12.34
+	HYDROGRAPH AT	S59DS	193.	13.50	88.	32.	11.	12.34
+	ROUTED TO	R59H	191.	13.67	88.	32.	11.	12.34
+	2 COMBINED AT	CGA59	376.	13.58	177.	62.	21.	12.34
+	DIVERSION TO	D59GA	376.	13.58	177.	62.	21.	12.34
+	HYDROGRAPH AT	DGA59	0.	0.08	0.	0.	0.	12.34
+	HYDROGRAPH AT	D67NA	861.	13.42	284.	82.	27.	12.37

+	HYDROGRAPH AT	SNA5S	449.	13.33	146.	37.	12.	12.10
+	ROUTED TO	R622ES	441.	13.67	146.	37.	12.	12.10
+	HYDROGRAPH AT	6-22E	425.	12.42	93.	28.	9.	0.50
+	HYDROGRAPH AT	S59DW	466.	13.50	178.	45.	15.	12.34
+	ROUTED TO	R622EW	460.	13.75	178.	45.	15.	12.34
+	HYDROGRAPH AT	D59GA	376.	13.58	177.	62.	21.	12.34
+	5 COMBINED AT	C6-22E	2135.	13.58	852.	246.	82.	16.90
+	HYDROGRAPH AT	8-22E	595.	12.25	107.	35.	12.	0.52
+	HYDROGRAPH AT	SGA4S	424.	13.42	171.	48.	16.	12.10
+	ROUTED TO	R822ES	420.	13.58	171.	48.	16.	12.10
+	2 COMBINED AT	C8-22E	624.	12.25	269.	82.	27.	12.60
+	DIVERSION TO	D822ES	312.	12.25	135.	41.	14.	12.60
+	HYDROGRAPH AT	D822EW	312.	12.25	135.	41.	14.	12.60
+	ROUTED TO	RGR3	308.	12.58	134.	41.	14.	12.60
+	2 COMBINED AT	C622EA	2359.	13.58	982.	286.	96.	17.40
+	ROUTED TO	RES6	1681.	14.25	576.	225.	96.	17.40
+	ROUTED TO	R622WW	1675.	14.33	576.	225.	96.	17.40
+	HYDROGRAPH AT	6-22W	589.	12.25	92.	30.	10.	0.47
+	2 COMBINED AT	C6-22W	1691.	14.33	643.	245.	105.	17.90
+	DIVERSION TO	D622WW	759.	14.33	375.	178.	82.	17.90
+	HYDROGRAPH AT	D622WS	932.	14.33	267.	67.	22.	17.90
+	2 COMBINED AT	CGA5	932.	14.33	267.	67.	22.	17.90

+	DIVERSION TO	SGA5S	555.	14.33	150.	38.	13.	17.90
+	HYDROGRAPH AT	SGA5W	377.	14.33	117.	29.	10.	17.90
+	ROUTED TO	RGA7	375.	14.42	117.	29.	10.	17.90
+	HYDROGRAPH AT	D622WW	759.	14.33	375.	178.	82.	17.90
+	DIVERSION TO	S67EW	384.	14.33	265.	150.	73.	17.90
+	HYDROGRAPH AT	S67ES	375.	14.33	111.	28.	9.	17.90
+	ROUTED TO	R67I	372.	14.42	111.	28.	9.	17.90
+	2 COMBINED AT	CGA67	747.	14.42	227.	57.	19.	17.90
+	DIVERSION TO	D67GA	224.	14.42	68.	17.	6.	17.90
+	HYDROGRAPH AT	DGA67	523.	14.42	159.	40.	13.	17.90
+	ROUTED TO	RGA8	521.	14.50	159.	40.	13.	17.90
+	HYDROGRAPH AT	SNA6S	183.	13.67	71.	18.	6.	21.14
+	ROUTED TO	R121S	181.	13.92	71.	18.	6.	21.14
+	HYDROGRAPH AT	1-21	628.	12.58	174.	48.	16.	1.00
+	DIVERSION TO	D1-21	44.	12.58	7.	2.	1.	1.00
+	HYDROGRAPH AT	RET1	584.	12.58	168.	46.	16.	1.00
+	HYDROGRAPH AT	S67EW	384.	14.33	265.	150.	73.	17.90
+	DIVERSION TO	RES100	185.	11.83	75.	23.	8.	17.90
+	HYDROGRAPH AT	RES1	384.	14.33	243.	143.	66.	17.90
+	ROUTED TO	R121W	382.	14.58	242.	143.	66.	17.90
+	3 COMBINED AT	C1-21	614.	14.42	429.	194.	85.	27.66
+	DIVERSION TO	D121W	258.	14.42	197.	119.	59.	27.66

+	HYDROGRAPH AT	D121S	356.	14.42	232.	74.	26.	27.66
+	2 COMBINED AT	CGA6	840.	14.50	380.	111.	38.	27.66
+	DIVERSION TO	SGA6S	223.	14.50	98.	25.	8.	27.66
+	HYDROGRAPH AT	SGA6W	616.	14.50	282.	86.	30.	27.66
+	ROUTED TO	RGA9	615.	14.58	281.	86.	30.	27.66
+	HYDROGRAPH AT	D75NA	526.	13.75	225.	68.	23.	21.14
+	ROUTED TO	R75I	525.	13.83	225.	68.	23.	21.14
+	HYDROGRAPH AT	D121W	258.	14.42	197.	119.	59.	27.66
+	2 COMBINED AT	C75D	750.	13.83	417.	185.	81.	27.66
+	DIVERSION TO	S75FW	421.	13.83	257.	144.	68.	27.66
+	HYDROGRAPH AT	S75FS	329.	13.83	160.	42.	14.	27.66
+	ROUTED TO	R75J	327.	14.00	160.	42.	14.	27.66
+	2 COMBINED AT	CGA75	909.	14.58	440.	128.	44.	27.66
+	DIVERSION TO	D75GA	554.	14.58	269.	78.	27.	27.66
+	HYDROGRAPH AT	DGA75	354.	14.58	172.	50.	17.	27.66
+	ROUTED TO	RGA10	350.	14.75	171.	50.	17.	27.66
+	HYDROGRAPH AT	SNA7S	340.	13.75	151.	40.	13.	22.69
+	ROUTED TO	R221S	339.	14.00	150.	40.	13.	22.69
+	HYDROGRAPH AT	2-21	714.	12.50	148.	39.	13.	1.00
+	HYDROGRAPH AT	S75FW	421.	13.83	257.	144.	68.	27.66
+	ROUTED TO	R221W	419.	14.00	257.	144.	68.	27.66
+	3 COMBINED AT	C2-21	897.	12.75	523.	216.	93.	30.20

+	DIVERSION TO	D221W	521.	12.75	337.	169.	77.	30.20
+	HYDROGRAPH AT	D221S	377.	12.75	186.	47.	16.	30.20
+	2 COMBINED AT	CGA7	604.	14.67	350.	96.	33.	30.20
+	DIVERSION TO	SGA7S	275.	14.67	155.	39.	13.	30.20
+	HYDROGRAPH AT	SGA7W	329.	14.67	195.	57.	20.	30.20
+	ROUTED TO	RGA11	325.	14.75	194.	57.	20.	30.20
+	HYDROGRAPH AT	D83NA	0.	13.67	0.	0.	0.	22.69
+	HYDROGRAPH AT	D221W	521.	12.75	337.	169.	77.	30.20
+	2 COMBINED AT	C83D	521.	12.75	337.	169.	77.	30.20
+	DIVERSION TO	S83EW	83.	12.75	32.	8.	3.	30.20
+	HYDROGRAPH AT	S83ES	438.	12.75	306.	161.	74.	30.20
+	ROUTED TO	R83I	434.	12.92	305.	161.	74.	30.20
+	2 COMBINED AT	CGA83	717.	14.08	499.	218.	94.	30.20
+	DIVERSION TO	D83GA	105.	14.08	39.	10.	3.	30.20
+	HYDROGRAPH AT	DGA83	612.	14.08	460.	208.	91.	30.20
+	ROUTED TO	RGA12	610.	14.17	459.	208.	91.	30.20
+	HYDROGRAPH AT	SNA8S	531.	13.92	238.	63.	21.	25.97
+	ROUTED TO	R321S	529.	14.08	236.	63.	21.	25.97
+	HYDROGRAPH AT	3-21	460.	12.67	118.	30.	10.	0.98
+	HYDROGRAPH AT	S83EW	83.	12.75	32.	8.	3.	30.20
+	ROUTED TO	R321W	78.	13.08	32.	8.	3.	30.20
+	3 COMBINED AT	C3-21	754.	13.00	355.	95.	32.	34.46

+	DIVERSION TO	D321W	234.	13.00	110.	29.	10.	34.46
+	HYDROGRAPH AT	D321S	521.	13.00	245.	65.	22.	34.46
+	2 COMBINED AT	CGA8	1108.	13.00	697.	271.	112.	34.46
+	DIVERSION TO	SGA8S	134.	13.00	53.	13.	4.	34.46
+	HYDROGRAPH AT	SGA8W	974.	13.00	644.	258.	107.	34.46
+	ROUTED TO	RGA13	972.	13.08	643.	258.	107.	34.46
+	HYDROGRAPH AT	D91NA	489.	13.92	226.	64.	21.	25.97
+	ROUTED TO	R91E	486.	14.00	225.	64.	21.	25.97
+	HYDROGRAPH AT	D321W	234.	13.00	110.	29.	10.	34.46
+	2 COMBINED AT	C91C	671.	14.08	323.	91.	30.	34.46
+	DIVERSION TO	S91CW	136.	14.08	63.	16.	5.	34.46
+	HYDROGRAPH AT	S91CS	535.	14.08	260.	75.	25.	34.46
+	ROUTED TO	R91F	534.	14.17	260.	75.	25.	34.46
+	2 COMBINED AT	CGA91	1471.	14.17	903.	332.	132.	34.46
+	DIVERSION TO	D91GA	366.	14.17	164.	41.	14.	34.46
+	HYDROGRAPH AT	DGA91	1105.	14.17	739.	291.	119.	34.46
+	ROUTED TO	RGA14	1103.	14.25	737.	291.	119.	34.46
+	HYDROGRAPH AT	4-21	390.	12.67	102.	26.	9.	0.88
+	DIVERSION TO	D4-21	51.	12.67	12.	3.	1.	0.88
+	HYDROGRAPH AT	RET4	339.	12.67	90.	23.	8.	0.88
+	HYDROGRAPH AT	S91CW	136.	14.08	63.	16.	5.	34.46
+	ROUTED TO	R421W	134.	14.25	62.	16.	5.	34.46

+	2 COMBINED AT	C4-21	339.	13.33	144.	38.	13.	35.34
+	DIVERSION TO	D421W	133.	13.33	57.	15.	5.	35.34
+	HYDROGRAPH AT	D421S	184.	13.33	79.	21.	7.	35.34
+	2 COMBINED AT	CGA9	1270.	13.25	809.	311.	125.	35.34
+	DIVERSION TO	SGA9S	188.	13.25	78.	19.	6.	35.34
+	HYDROGRAPH AT	SGA9W	1082.	13.25	731.	291.	119.	35.34
+	ROUTED TO	RGA15	1080.	13.42	730.	291.	119.	35.34
+	HYDROGRAPH AT	D421W	133.	13.33	57.	15.	5.	35.34
+	ROUTED TO	R99A	130.	13.50	57.	15.	5.	35.34
+	2 COMBINED AT	CGA99	1208.	13.42	784.	305.	124.	35.34
+	DIVERSION TO	D99GA	721.	13.42	306.	76.	25.	35.34
+	HYDROGRAPH AT	DGA99	487.	13.25	478.	229.	98.	35.34
+	HYDROGRAPH AT	5-21	329.	12.25	47.	13.	4.	0.35
+	2 COMBINED AT	C5-21	636.	12.67	493.	238.	102.	35.68
+	2 COMBINED AT	NULL4	4850.	13.17	2325.	768.	288.	1.00
+	HYDROGRAPH AT	11-22	558.	12.58	169.	53.	18.	1.01
+	DIVERSION TO	D1122W	117.	12.58	35.	11.	4.	1.01
+	HYDROGRAPH AT	D1122S	441.	12.58	133.	42.	14.	1.01
+	HYDROGRAPH AT	SGA1S	1140.	12.67	307.	94.	31.	2.54
+	ROUTED TO	R1122S	1136.	12.83	306.	94.	31.	2.54
+	2 COMBINED AT	C11-22	1537.	12.83	436.	135.	45.	3.50
+	DIVERSION TO	SD31AS	147.	12.00	126.	57.	19.	3.50

+ HYDROGRAPH AT	SD31A	1390.	12.83	310.	78.	26.	3.50
+ DIVERSION TO	SBH1W	695.	12.83	155.	39.	13.	3.50
+ HYDROGRAPH AT	SBH1E	695.	12.83	155.	39.	13.	3.50
+ ROUTED TO	RBH1	693.	12.92	155.	39.	13.	3.50
+ HYDROGRAPH AT	D27GA	231.	12.58	63.	20.	7.	0.36
+ ROUTED TO	R27C	223.	12.83	63.	20.	7.	0.36
+ HYDROGRAPH AT	12-22	214.	12.33	46.	15.	5.	0.25
+ 3 COMBINED AT	CBH27	963.	12.92	246.	68.	23.	21.30
+ DIVERSION TO	D27BH	963.	12.92	246.	68.	23.	21.30
+ HYDROGRAPH AT	DBH27	0.	0.08	0.	0.	0.	21.30
+ HYDROGRAPH AT	D35GA	79.	12.92	35.	12.	4.	2.10
+ ROUTED TO	R35E	78.	13.17	35.	12.	4.	2.10
+ HYDROGRAPH AT	D1122W	117.	12.58	35.	11.	4.	1.01
+ 2 COMBINED AT	C35C	178.	12.92	70.	23.	8.	3.10
+ ROUTED TO	R35F	175.	13.08	70.	23.	8.	3.10
+ HYDROGRAPH AT	SBH1W	695.	12.83	155.	39.	13.	3.50
+ ROUTED TO	RBH2	691.	12.92	155.	39.	13.	3.50
+ HYDROGRAPH AT	SGA2S	412.	12.67	147.	47.	16.	4.68
+ ROUTED TO	R1022S	408.	12.83	147.	47.	16.	4.68
+ HYDROGRAPH AT	10-22	526.	12.58	157.	48.	16.	0.99
+ 2 COMBINED AT	C10-22	903.	12.75	301.	95.	32.	5.70
+ DIVERSION TO	SD39AS	164.	12.00	126.	51.	17.	5.70

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+	HYDROGRAPH AT	SD39A	739.	12.75	175.	44.	15.	5.70
+	DIVERSION TO	D1022W	436.	12.75	103.	26.	9.	5.70
+	HYDROGRAPH AT	D1022E	303.	12.75	72.	18.	6.	5.70
+	4 COMBINED AT	CBH35	1143.	12.92	294.	79.	26.	7.10
+	DIVERSION TO	D35BH	1143.	12.92	294.	79.	26.	7.10
+	HYDROGRAPH AT	DBH35	0.	0.08	0.	0.	0.	7.10
+	HYDROGRAPH AT	D43GA	328.	12.83	139.	49.	16.	4.68
+	ROUTED TO	R43F	324.	13.00	139.	49.	16.	4.68
+	HYDROGRAPH AT	D1022W	436.	12.75	103.	26.	9.	5.70
+	2 COMBINED AT	C43D	735.	12.92	242.	74.	25.	5.70
+	DIVERSION TO	S43DW	363.	12.92	87.	22.	7.	5.70
+	HYDROGRAPH AT	S43DS	372.	12.92	155.	53.	18.	5.70
+	ROUTED TO	R43G	371.	13.00	155.	53.	18.	5.70
+	2 COMBINED AT	CBH43	371.	13.00	155.	53.	18.	5.70
+	DIVERSION TO	D43BH	233.	13.00	119.	44.	15.	5.70
+	HYDROGRAPH AT	DBH43	138.	13.00	36.	9.	3.	5.70
+	ROUTED TO	RBH3	135.	13.25	36.	9.	3.	5.70
+	HYDROGRAPH AT	SGA3S	544.	13.08	166.	45.	15.	8.07
+	ROUTED TO	R922S	533.	13.33	166.	45.	15.	8.07
+	HYDROGRAPH AT	9-22	609.	12.58	180.	56.	19.	0.99
+	HYDROGRAPH AT	S43DW	363.	12.92	87.	22.	7.	5.70
+	ROUTED TO	R922W	351.	13.25	87.	22.	7.	5.70

+	3 COMBINED AT	C9-22	1279.	13.25	424.	121.	40.	10.10
+	DIVERSION TO	D922W	435.	13.25	144.	41.	14.	10.10
+	HYDROGRAPH AT	D922S	844.	13.25	280.	80.	27.	10.10
+	2 COMBINED AT	CBH1	978.	13.25	316.	89.	30.	10.10
+	DIVERSION TO	SBH2S	705.	13.25	226.	63.	21.	10.10
+	HYDROGRAPH AT	SBH2W	273.	13.25	89.	26.	9.	10.10
+	ROUTED TO	RBH4	270.	13.42	89.	26.	9.	10.10
+	HYDROGRAPH AT	D51GA	277.	13.33	102.	32.	11.	8.07
+	ROUTED TO	R51H	275.	13.42	102.	32.	11.	8.07
+	HYDROGRAPH AT	D922W	435.	13.25	144.	41.	14.	10.10
+	2 COMBINED AT	C51D	695.	13.33	245.	73.	25.	10.10
+	DIVERSION TO	S51EW	428.	13.33	138.	34.	11.	10.10
+	HYDROGRAPH AT	S51ES	267.	13.33	107.	39.	13.	10.10
+	ROUTED TO	R51I	264.	13.50	107.	39.	13.	10.10
+	2 COMBINED AT	CBH51	532.	13.42	197.	64.	22.	10.10
+	DIVERSION TO	D51BH	532.	13.42	197.	64.	22.	10.10
+	HYDROGRAPH AT	DBH51	0.	0.08	0.	0.	0.	10.10
+	HYDROGRAPH AT	S51EW	428.	13.33	138.	34.	11.	10.10
+	ROUTED TO	R822EW	421.	13.50	138.	34.	11.	10.10
+	HYDROGRAPH AT	D822ES	312.	12.25	135.	41.	14.	12.60
+	2 COMBINED AT	C822E1	649.	13.50	266.	74.	25.	14.60
+	ROUTED TO	RES8	369.	14.50	182.	49.	16.	14.60

+	ROUTED TO	R822WW	368.	14.67	181.	49.	16.	14.60
+	HYDROGRAPH AT	8-22W	807.	12.08	98.	32.	11.	0.49
+	DIVERSION TO	D822WW	169.	12.08	21.	7.	2.	0.49
+	HYDROGRAPH AT	D822WS	637.	12.08	78.	26.	9.	0.49
+	3 COMBINED AT	C8-22W	605.	12.08	229.	72.	24.	15.10
+	DIVERSION TO	SBH3S	249.	12.08	88.	24.	8.	15.10
+	HYDROGRAPH AT	SBH3W	356.	12.08	141.	49.	17.	15.10
+	ROUTED TO	RBH5	328.	12.25	140.	49.	17.	15.10
+	HYDROGRAPH AT	D822WW	169.	12.08	21.	7.	2.	0.49
+	DIVERSION TO	S59EW	78.	12.08	5.	1.	0.	0.49
+	HYDROGRAPH AT	S59ES	91.	12.08	15.	5.	2.	0.49
+	ROUTED TO	R591	74.	12.33	15.	5.	2.	0.49
+	2 COMBINED AT	CBH59	392.	12.25	153.	54.	18.	15.10
+	DIVERSION TO	D59BH	220.	12.25	86.	30.	10.	15.10
+	HYDROGRAPH AT	DBH59	172.	12.25	68.	24.	8.	15.10
+	ROUTED TO	RBH6	156.	12.42	67.	24.	8.	15.10
+	HYDROGRAPH AT	SGA5S	555.	14.33	150.	38.	13.	17.90
+	ROUTED TO	R722S	542.	14.67	150.	38.	13.	17.90
+	HYDROGRAPH AT	7-22	532.	12.58	166.	52.	17.	0.97
+	HYDROGRAPH AT	S59EW	78.	12.08	5.	1.	0.	0.49
+	ROUTED TO	R722W	37.	12.75	5.	1.	0.	0.49
+	3 COMBINED AT	C7-22	632.	14.67	305.	87.	29.	19.30

+	DIVERSION TO	D722W	228.	14.67	110.	31.	11.	19.30
+	HYDROGRAPH AT	D722S	405.	14.67	195.	56.	19.	19.30
+	2 COMBINED AT	CBH2	474.	12.58	253.	77.	26.	25.80
+	DIVERSION TO	SBH4S	317.	12.58	160.	40.	13.	25.80
+	HYDROGRAPH AT	SBH4W	157.	12.58	93.	37.	13.	25.80
+	ROUTED TO	RBH7	154.	14.92	93.	37.	13.	25.80
+	HYDROGRAPH AT	D67GA	224.	14.42	68.	17.	6.	17.90
+	ROUTED TO	R67J	222.	14.58	68.	17.	6.	17.90
+	HYDROGRAPH AT	D722W	228.	14.67	110.	31.	11.	19.30
+	2 COMBINED AT	C67E	445.	14.58	177.	48.	16.	19.30
+	DIVERSION TO	S67FW	213.	14.58	79.	20.	7.	19.30
+	HYDROGRAPH AT	S67FS	232.	14.58	97.	28.	10.	19.30
+	ROUTED TO	R67K	229.	14.83	97.	28.	10.	19.30
+	2 COMBINED AT	CBH67	383.	14.83	190.	66.	22.	21.30
+	DIVERSION TO	D67BH	249.	14.83	123.	43.	14.	21.30
+	HYDROGRAPH AT	DBH67	134.	14.83	66.	23.	8.	21.30
+	ROUTED TO	RBH8	131.	15.08	66.	23.	8.	21.30
+	HYDROGRAPH AT	SGA6S	223.	14.50	98.	25.	8.	27.66
+	ROUTED TO	R1221S	220.	14.83	96.	25.	8.	27.66
+	HYDROGRAPH AT	12-21	733.	12.50	178.	49.	16.	1.00
+	DIVERSION TO	D1221R	44.	12.50	8.	2.	1.	1.00
+	HYDROGRAPH AT	RET12	689.	12.50	170.	47.	16.	1.00

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+	HYDROGRAPH AT	S67FW	213.	14.58	79.	20.	7.	19.30
+	ROUTED TO	R1221W	197.	15.00	79.	20.	7.	19.30
+	3 COMBINED AT	C12-21	697.	13.00	340.	93.	31.	31.35
+	DIVERSION TO	D1221W	247.	13.00	118.	32.	11.	31.35
+	HYDROGRAPH AT	D1221S	404.	13.00	193.	53.	18.	31.35
+	2 COMBINED AT	CBH3	493.	13.00	256.	75.	25.	31.35
+	DIVERSION TO	SBH5S	180.	13.00	94.	24.	8.	31.35
+	HYDROGRAPH AT	SBH5W	313.	13.00	162.	51.	17.	31.35
+	ROUTED TO	RBH9	308.	13.08	162.	51.	17.	31.35
+	HYDROGRAPH AT	D75GA	554.	14.58	269.	78.	27.	27.66
+	ROUTED TO	R75K	547.	14.75	267.	78.	27.	27.66
+	HYDROGRAPH AT	D1221W	247.	13.00	118.	32.	11.	31.35
+	2 COMBINED AT	C75E	680.	14.83	374.	108.	37.	31.35
+	DIVERSION TO	S75GW	214.	14.83	116.	30.	10.	31.35
+	HYDROGRAPH AT	S75GS	465.	14.83	258.	78.	27.	31.35
+	ROUTED TO	R75L	464.	14.92	258.	78.	27.	31.35
+	2 COMBINED AT	CBH75	684.	15.08	419.	126.	44.	31.35
+	DIVERSION TO	D75BH	212.	15.08	130.	39.	14.	31.35
+	HYDROGRAPH AT	DBH75	472.	15.08	289.	87.	31.	31.35
+	ROUTED TO	RBH10	469.	15.17	288.	87.	31.	31.35
+	HYDROGRAPH AT	SGA7S	275.	14.67	155.	39.	13.	30.20
+	ROUTED TO	R1121S	270.	14.92	153.	39.	13.	30.20

+	HYDROGRAPH AT	11-21	631.	12.58	149.	40.	13.	0.99
+	DIVERSION TO	D1121R	151.	12.58	26.	7.	2.	0.99
+	HYDROGRAPH AT	RET11	479.	12.58	124.	34.	11.	0.99
+	HYDROGRAPH AT	S75GW	214.	14.83	116.	30.	10.	31.35
+	ROUTED TO	R1121W	213.	15.00	115.	30.	10.	31.35
+	3 COMBINED AT	C11-21	651.	13.08	361.	98.	33.	34.87
+	DIVERSION TO	D1121W	195.	13.08	108.	29.	10.	34.87
+	HYDROGRAPH AT	D1121S	456.	13.08	252.	68.	23.	34.87
+	2 COMBINED AT	CBH4	891.	13.17	533.	154.	53.	34.87
+	DIVERSION TO	SBH6S	179.	13.17	107.	29.	10.	34.87
+	HYDROGRAPH AT	SBH6W	712.	13.17	426.	125.	43.	34.87
+	ROUTED TO	RBH11	708.	13.25	426.	125.	43.	34.87
+	HYDROGRAPH AT	D83GA	105.	14.08	39.	10.	3.	30.20
+	ROUTED TO	R83J	101.	14.33	39.	10.	3.	30.20
+	HYDROGRAPH AT	D1121W	195.	13.08	108.	29.	10.	34.87
+	2 COMBINED AT	C83E	277.	13.17	145.	39.	13.	34.87
+	DIVERSION TO	S83FW	87.	13.17	45.	11.	4.	34.87
+	HYDROGRAPH AT	S83FS	191.	13.17	100.	27.	9.	34.87
+	ROUTED TO	R83K	187.	13.33	100.	27.	9.	34.87
+	2 COMBINED AT	CBH83	891.	13.25	526.	152.	53.	34.87
+	DIVERSION TO	D83BH	332.	13.25	210.	62.	22.	34.87
+	HYDROGRAPH AT	DBH83	559.	13.25	316.	90.	31.	34.87

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+	ROUTED TO	RBH12	550.	13.50	314.	90.	31.	34.87
+	HYDROGRAPH AT	SGA8S	134.	13.00	53.	13.	4.	34.46
+	ROUTED TO	R1021S	128.	13.25	53.	13.	4.	34.46
+	HYDROGRAPH AT	10-21	642.	12.50	141.	37.	12.	0.98
+	DIVERSION TO	D1021R	186.	12.50	29.	7.	2.	0.98
+	HYDROGRAPH AT	RET10	456.	12.50	113.	30.	10.	0.98
+	HYDROGRAPH AT	S83FW	87.	13.17	45.	11.	4.	34.87
+	ROUTED TO	R1021W	80.	13.58	44.	11.	4.	34.87
+	3 COMBINED AT	C10-21	482.	13.33	209.	54.	18.	43.32
+	DIVERSION TO	D1021W	175.	12.50	80.	21.	7.	43.32
+	HYDROGRAPH AT	D1021S	232.	12.50	106.	28.	9.	43.32
+	HYDROGRAPH AT	D91GA	366.	14.17	164.	41.	14.	34.46
+	ROUTED TO	R91G	363.	14.25	164.	41.	14.	34.46
+	HYDROGRAPH AT	D1021W	175.	12.50	80.	21.	7.	43.32
+	2 COMBINED AT	C91D	506.	13.33	236.	60.	20.	43.32
+	DIVERSION TO	S91DW	216.	13.33	101.	25.	8.	43.32
+	HYDROGRAPH AT	S91DS	290.	13.33	135.	35.	12.	43.32
+	ROUTED TO	R91H	286.	13.50	135.	35.	12.	43.32
+	3 COMBINED AT	CBH5	1025.	13.50	534.	149.	51.	43.32
+	ROUTED TO	RES10	977.	13.67	483.	130.	44.	43.32
+	DIVERSION TO	SBH7S	306.	13.67	152.	41.	14.	43.32
+	HYDROGRAPH AT	SBH7W	670.	13.67	332.	90.	30.	43.32

+	DIVERSION TO	D91BH	0.	0.08	0.	0.	0.	43.32
+	HYDROGRAPH AT	DBH91	670.	13.67	332.	90.	30.	43.32
+	ROUTED TO	RBH13	664.	13.83	328.	89.	30.	43.32
+	HYDROGRAPH AT	SGA9S	188.	13.25	78.	19.	6.	35.34
+	ROUTED TO	R921S	183.	13.58	78.	19.	6.	35.34
+	HYDROGRAPH AT	9-21	488.	12.58	120.	30.	10.	0.97
+	HYDROGRAPH AT	S91DW	216.	13.33	101.	25.	8.	43.32
+	ROUTED TO	R921W	210.	13.58	100.	25.	8.	43.32
+	3 COMBINED AT	C9-21	592.	13.50	273.	69.	23.	45.16
+	DIVERSION TO	D921W	231.	13.50	106.	27.	9.	45.16
+	HYDROGRAPH AT	D921S	361.	13.50	166.	42.	14.	45.16
+	HYDROGRAPH AT	D99GA	721.	13.42	306.	76.	25.	35.34
+	ROUTED TO	R99B	718.	13.50	306.	76.	25.	35.34
+	HYDROGRAPH AT	D921W	231.	13.50	106.	27.	9.	45.16
+	2 COMBINED AT	C99A	918.	13.50	397.	100.	33.	45.16
+	DIVERSION TO	S99AW	918.	13.50	397.	100.	33.	45.16
+	HYDROGRAPH AT	S99AS	0.	0.08	0.	0.	0.	45.16
+	ROUTED TO	R99C	0.	0.08	0.	0.	0.	45.16
+	3 COMBINED AT	CBH6	968.	13.75	472.	131.	44.	45.16
+	ROUTED TO	RES9	905.	14.00	453.	123.	41.	45.16
+	DIVERSION TO	SBH8S	0.	13.92	0.	0.	0.	45.16
+	HYDROGRAPH AT	SBH8W	905.	14.00	453.	123.	41.	45.16

+	DIVERSION TO	D99BH	0.	0.08	0.	0.	0.	45.16
+	HYDROGRAPH AT	DBH99	905.	14.00	453.	123.	41.	45.16
+	ROUTED TO	RBH14	901.	14.08	451.	123.	41.	45.16
+	HYDROGRAPH AT	8-21E	216.	12.58	55.	14.	5.	0.51
+	HYDROGRAPH AT	S99AW	918.	13.50	397.	100.	33.	45.16
+	ROUTED TO	R821EW	914.	13.58	396.	100.	33.	45.16
+	2 COMBINED AT	C8-21E	999.	13.58	439.	111.	37.	46.01
+	DIVERSION TO	D821EW	559.	13.58	246.	62.	21.	46.01
+	HYDROGRAPH AT	D821ES	439.	13.58	193.	49.	16.	46.01
+	2 COMBINED AT	CBH7	1244.	14.08	626.	171.	57.	46.01
+	ROUTED TO	RES8S	1134.	14.58	558.	149.	50.	46.01
+	HYDROGRAPH AT	8-21W	173.	12.42	34.	9.	3.	0.27
+	2 COMBINED AT	C8-21W	1139.	14.58	560.	155.	52.	46.29
+	HYDROGRAPH AT	D821EW	559.	13.58	246.	62.	21.	46.01
+	ROUTED TO	RES8N	481.	13.92	179.	45.	15.	46.01
+	3 COMBINED AT	NULL5	5733.	14.00	3323.	1039.	379.	1.00
+	HYDROGRAPH AT	D27BH	963.	12.92	246.	68.	23.	21.30
+	ROUTED TO	R27D	952.	13.08	246.	68.	23.	21.30
+	HYDROGRAPH AT	13-22	172.	12.42	49.	16.	5.	0.25
+	HYDROGRAPH AT	14-22	535.	12.58	161.	50.	17.	1.00
+	HYDROGRAPH AT	SD31AS	147.	12.00	126.	57.	19.	3.50
+	2 COMBINED AT	CSD31B	682.	12.58	287.	107.	36.	1.00

+	DIVERSION TO	SD31BS	150.	11.75	140.	71.	24.	1.00
+	HYDROGRAPH AT	SD31B	532.	12.58	147.	37.	12.	1.00
+	DIVERSION TO	D1422W	255.	12.58	71.	18.	6.	1.00
+	HYDROGRAPH AT	D1422E	277.	12.58	76.	19.	6.	1.00
+	3 COMBINED AT	CCB27	1342.	13.00	381.	106.	35.	5.04
+	DIVERSION TO	D27CB	1342.	13.00	381.	106.	35.	5.04
+	HYDROGRAPH AT	DCB27	0.	0.08	0.	0.	0.	5.04
+	HYDROGRAPH AT	D35BH	1143.	12.92	294.	79.	26.	7.10
+	ROUTED TO	R35G	1133.	13.08	294.	79.	26.	7.10
+	HYDROGRAPH AT	D1422W	255.	12.58	71.	18.	6.	1.00
+	HYDROGRAPH AT	15-22	492.	12.67	157.	49.	16.	1.00
+	HYDROGRAPH AT	SD39AS	164.	12.00	126.	51.	17.	5.70
+	2 COMBINED AT	CSD39B	656.	12.67	284.	100.	34.	1.00
+	DIVERSION TO	SD39BS	268.	12.00	200.	79.	27.	1.00
+	HYDROGRAPH AT	SD39B	388.	12.67	84.	21.	7.	1.00
+	DIVERSION TO	D1522W	190.	12.67	41.	10.	3.	1.00
+	HYDROGRAPH AT	D1522E	198.	12.67	43.	11.	4.	1.00
+	4 COMBINED AT	CCB35	1499.	13.00	402.	106.	35.	9.14
+	DIVERSION TO	D35CB	1499.	13.00	402.	106.	35.	9.14
+	HYDROGRAPH AT	DCB35	0.	0.08	0.	0.	0.	9.14
+	HYDROGRAPH AT	D43BH	233.	13.00	119.	44.	15.	5.70
+	ROUTED TO	R43H	231.	13.17	119.	44.	15.	5.70

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+	HYDROGRAPH AT	D1522W	190.	12.67	41.	10.	3.	1.00
+	2 COMBINED AT	C43E	384.	13.00	158.	53.	18.	6.67
+	DIVERSION TO	S43EW	100.	13.00	18.	4.	1.	6.67
+	HYDROGRAPH AT	S43ES	284.	13.00	141.	49.	16.	6.67
+	ROUTED TO	R43I	284.	13.08	140.	49.	16.	6.67
+	HYDROGRAPH AT	D51BH	532.	13.42	197.	64.	22.	10.10
+	ROUTED TO	RGR4	529.	13.58	196.	64.	22.	10.10
+	HYDROGRAPH AT	SBH2S	705.	13.25	226.	63.	21.	10.10
+	ROUTED TO	R1622S	703.	13.33	226.	63.	21.	10.10
+	HYDROGRAPH AT	16-22E	287.	12.58	89.	28.	9.	0.51
+	HYDROGRAPH AT	S43EW	100.	13.00	18.	4.	1.	6.67
+	ROUTED TO	R1622W	97.	13.25	18.	4.	1.	6.67
+	4 COMBINED AT	C1622E	1405.	13.42	519.	157.	53.	11.60
+	ROUTED TO	RGR5	1402.	13.58	519.	157.	53.	11.60
+	3 COMBINED AT	CCB43	1658.	13.50	658.	206.	69.	11.60
+	DIVERSION TO	D43CB	1658.	13.50	658.	206.	69.	11.60
+	HYDROGRAPH AT	DCB43	0.	0.08	0.	0.	0.	11.60
+	HYDROGRAPH AT	16-22W	697.	12.17	94.	31.	10.	0.48
+	DIVERSION TO	D1622W	495.	12.17	66.	22.	7.	0.48
+	HYDROGRAPH AT	D1622S	202.	12.17	27.	9.	3.	0.48
+	2 COMBINED AT	CCB1	194.	12.17	26.	9.	3.	12.00
+	DIVERSION TO	SCB1S	104.	12.17	10.	2.	1.	12.00

+	HYDROGRAPH AT	SCB1W	90.	12.17	17.	6.	2.	12.00
+	ROUTED TO	RCB1	73.	12.58	17.	6.	2.	12.00
+	HYDROGRAPH AT	D1622W	495.	12.17	66.	22.	7.	0.48
+	DIVERSION TO	S51FW	229.	12.17	22.	5.	2.	0.48
+	HYDROGRAPH AT	S51FS	266.	12.17	45.	16.	5.	0.48
+	ROUTED TO	R51J	248.	12.25	45.	16.	5.	0.48
+	2 COMBINED AT	CCB51	275.	12.33	60.	22.	7.	12.00
+	DIVERSION TO	D51CB	135.	12.33	29.	11.	4.	12.00
+	HYDROGRAPH AT	DCB51	140.	12.33	30.	11.	4.	12.00
+	ROUTED TO	RCB2	132.	12.50	30.	11.	4.	12.00
+	HYDROGRAPH AT	SBH3S	249.	12.08	88.	24.	8.	15.10
+	ROUTED TO	R1722S	200.	12.42	85.	24.	8.	15.10
+	HYDROGRAPH AT	17-22	1010.	12.25	182.	58.	19.	1.02
+	HYDROGRAPH AT	S51FW	229.	12.17	22.	5.	2.	0.48
+	ROUTED TO	R1722W	186.	12.50	22.	5.	2.	0.48
+	3 COMBINED AT	C17-22	1202.	12.42	267.	84.	28.	16.10
+	DIVERSION TO	D1722W	349.	12.42	77.	24.	8.	16.10
+	HYDROGRAPH AT	D1722S	853.	12.42	190.	60.	20.	16.10
+	2 COMBINED AT	CCB2	967.	12.42	218.	70.	23.	18.10
+	DIVERSION TO	SCB2S	624.	12.42	132.	35.	12.	18.10
+	HYDROGRAPH AT	SCB2W	343.	12.42	85.	35.	12.	18.10
+	ROUTED TO	RCB3	332.	12.58	85.	35.	12.	18.10

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+	HYDROGRAPH AT	D59BH	220.	12.25	86.	30.	10.	15.10
+	ROUTED TO	R59J	202.	12.42	86.	30.	10.	15.10
+	HYDROGRAPH AT	D1722W	349.	12.42	77.	24.	8.	16.10
+	2 COMBINED AT	C59E	550.	12.42	162.	54.	18.	16.10
+	DIVERSION TO	S59FW	316.	12.42	81.	21.	7.	16.10
+	HYDROGRAPH AT	S59FS	234.	12.42	81.	34.	11.	16.10
+	ROUTED TO	R59K	223.	12.58	80.	34.	11.	16.10
+	2 COMBINED AT	CCB59	554.	12.58	165.	69.	23.	18.10
+	DIVERSION TO	D59CB	295.	12.58	93.	42.	14.	18.10
+	HYDROGRAPH AT	DCB59	259.	12.58	73.	26.	9.	18.10
+	ROUTED TO	RCB4	249.	12.75	72.	26.	9.	18.10
+	HYDROGRAPH AT	SBH4S	317.	12.58	160.	40.	13.	25.80
+	ROUTED TO	R1822S	310.	15.00	158.	40.	13.	25.80
+	HYDROGRAPH AT	18-22	619.	12.58	181.	54.	18.	0.97
+	HYDROGRAPH AT	S59FW	316.	12.42	81.	21.	7.	16.10
+	ROUTED TO	R1822W	287.	12.67	79.	21.	7.	16.10
+	3 COMBINED AT	C18-22	1132.	12.75	395.	111.	37.	23.80
+	DIVERSION TO	D1822W	498.	12.75	174.	49.	16.	23.80
+	HYDROGRAPH AT	D1822S	634.	12.75	221.	62.	21.	23.80
+	2 COMBINED AT	CCB3	876.	12.75	291.	88.	29.	25.30
+	DIVERSION TO	SCB3S	493.	12.75	163.	43.	14.	25.30
+	HYDROGRAPH AT	SCB3W	383.	12.75	128.	45.	15.	25.30

+	ROUTED TO	RCB5	373.	12.92	128.	45.	15.	25.30
+	HYDROGRAPH AT	D67BH	249.	14.83	123.	43.	14.	21.30
+	ROUTED TO	R67L	246.	15.00	123.	43.	14.	21.30
+	HYDROGRAPH AT	D1822W	498.	12.75	174.	49.	16.	23.80
+	2 COMBINED AT	C67F	623.	12.83	279.	87.	29.	37.08
+	DIVERSION TO	S67GW	371.	12.83	159.	41.	14.	37.08
+	HYDROGRAPH AT	S67GS	252.	12.83	120.	46.	15.	37.08
+	ROUTED TO	R67M	248.	13.00	120.	46.	15.	37.08
+	2 COMBINED AT	CCB67	625.	12.92	253.	92.	31.	25.30
+	DIVERSION TO	D67CB	288.	12.92	116.	42.	14.	25.30
+	HYDROGRAPH AT	DCB67	338.	12.92	137.	50.	17.	25.30
+	ROUTED TO	RCB6	331.	13.08	137.	50.	17.	25.30
+	HYDROGRAPH AT	SBH5S	180.	13.00	94.	24.	8.	31.35
+	ROUTED TO	R1321S	171.	13.50	92.	24.	8.	31.35
+	HYDROGRAPH AT	13-21	721.	12.50	173.	51.	17.	1.00
+	HYDROGRAPH AT	S67GW	371.	12.83	159.	41.	14.	37.08
+	ROUTED TO	R1321W	348.	13.25	157.	41.	14.	37.08
+	3 COMBINED AT	C13-21	891.	13.08	387.	110.	37.	37.08
+	DIVERSION TO	D1321W	312.	13.08	135.	39.	13.	37.08
+	HYDROGRAPH AT	D1321S	579.	13.08	251.	72.	24.	37.08
+	2 COMBINED AT	CCB4	902.	13.08	382.	120.	40.	37.08
+	DIVERSION TO	SCB4S	510.	13.08	216.	60.	20.	37.08

+	HYDROGRAPH AT	SCB4W	392.	13.08	166.	60.	20.	37.08
+	ROUTED TO	RCB7	387.	13.25	166.	60.	20.	37.08
+	HYDROGRAPH AT	D75BH	212.	15.08	130.	39.	14.	31.35
+	ROUTED TO	R75M	210.	15.25	129.	39.	14.	31.35
+	HYDROGRAPH AT	D1321W	312.	13.08	135.	39.	13.	37.08
+	2 COMBINED AT	C75F	488.	13.17	254.	75.	26.	40.90
+	DIVERSION TO	S75HW	488.	13.17	254.	75.	26.	40.90
+	HYDROGRAPH AT	S75HS	0.	0.08	0.	0.	0.	40.90
+	ROUTED TO	R75N	0.	0.08	0.	0.	0.	40.90
+	2 COMBINED AT	CCB75	387.	13.25	166.	60.	20.	37.08
+	DIVERSION TO	D75CB	252.	13.25	108.	39.	13.	37.08
+	HYDROGRAPH AT	DCB75	136.	13.25	58.	21.	7.	37.08
+	ROUTED TO	RCB8	132.	13.42	58.	21.	7.	37.08
+	HYDROGRAPH AT	SBH6S	179.	13.17	107.	29.	10.	34.87
+	ROUTED TO	R1421S	177.	13.33	106.	29.	10.	34.87
+	HYDROGRAPH AT	S75HW	488.	13.17	254.	75.	26.	40.90
+	ROUTED TO	R1421W	485.	13.33	254.	75.	26.	40.90
+	HYDROGRAPH AT	14-21E	333.	12.42	69.	18.	6.	0.43
+	DIVERSION TO	D1421R	91.	12.25	6.	2.	1.	0.43
+	HYDROGRAPH AT	RET14E	329.	12.42	64.	17.	6.	0.43
+	3 COMBINED AT	C1421E	766.	13.25	405.	118.	40.	41.03
+	DIVERSION TO	D1421X	164.	13.25	83.	22.	7.	41.03

+	HYDROGRAPH AT	D1421E	602.	13.25	322.	96.	33.	41.03
+	HYDROGRAPH AT	14-21W	611.	12.33	97.	27.	9.	0.56
+	DIVERSION TO	D1421P	101.	12.00	6.	2.	1.	0.56
+	HYDROGRAPH AT	RET14W	611.	12.33	91.	25.	8.	0.56
+	2 COMBINED AT	C1421W	875.	12.50	397.	117.	40.	41.59
+	DIVERSION TO	D1421W	437.	12.50	199.	58.	20.	41.59
+	HYDROGRAPH AT	D1421S	437.	12.50	199.	58.	20.	41.59
+	2 COMBINED AT	CCB5	473.	12.67	254.	79.	27.	41.59
+	DIVERSION TO	SCB5S	249.	12.67	129.	34.	11.	41.59
+	HYDROGRAPH AT	SCB5W	224.	12.67	126.	45.	16.	41.59
+	ROUTED TO	RCB9	222.	12.83	126.	45.	16.	41.59
+	HYDROGRAPH AT	D1421X	164.	13.25	83.	22.	7.	41.03
+	ROUTED TO	RES14E	89.	15.83	48.	12.	4.	41.03
+	HYDROGRAPH AT	D83BH	332.	13.25	210.	62.	22.	34.87
+	ROUTED TO	R83L	329.	13.42	209.	62.	22.	34.87
+	HYDROGRAPH AT	D1421W	437.	12.50	199.	58.	20.	41.59
+	3 COMBINED AT	C83F	652.	13.33	439.	131.	45.	41.59
+	DIVERSION TO	S83GW	221.	13.33	149.	42.	14.	41.59
+	HYDROGRAPH AT	S83GS	432.	13.33	290.	90.	31.	41.59
+	ROUTED TO	R83M	430.	13.42	289.	90.	31.	41.59
+	2 COMBINED AT	CCB83	649.	13.42	415.	135.	47.	41.59
+	DIVERSION TO	D83CB	234.	13.42	149.	48.	17.	41.59

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+	HYDROGRAPH AT	DCB83	416.	13.42	265.	86.	30.	41.59
+	ROUTED TO	RCB10	413.	13.50	265.	86.	30.	41.59
+	HYDROGRAPH AT	SBH7S	306.	13.67	152.	41.	14.	43.32
+	ROUTED TO	R1521S	303.	13.83	149.	41.	14.	43.32
+	HYDROGRAPH AT	15-21	605.	12.58	164.	43.	14.	1.01
+	DIVERSION TO	D15	73.	12.58	12.	3.	1.	1.01
+	HYDROGRAPH AT	RET15	533.	12.58	152.	40.	13.	1.01
+	HYDROGRAPH AT	S83GW	221.	13.33	149.	42.	14.	41.59
+	ROUTED TO	R1521W	219.	13.50	147.	42.	14.	41.59
+	3 COMBINED AT	C15-21	710.	13.75	402.	114.	38.	48.80
+	DIVERSION TO	D1521W	248.	13.75	141.	40.	13.	48.80
+	HYDROGRAPH AT	D1521S	461.	13.75	262.	74.	25.	48.80
+	2 COMBINED AT	CCB6	858.	13.67	517.	158.	54.	48.80
+	DIVERSION TO	SCB6S	331.	13.67	197.	55.	18.	48.80
+	HYDROGRAPH AT	SCB6W	527.	13.67	321.	103.	36.	48.80
+	ROUTED TO	RCB11	518.	13.83	320.	103.	36.	48.80
+	HYDROGRAPH AT	D91BH	0.	0.08	0.	0.	0.	43.32
+	HYDROGRAPH AT	D1521W	248.	13.75	141.	40.	13.	48.80
+	2 COMBINED AT	C91E	248.	13.75	141.	40.	13.	48.80
+	DIVERSION TO	S91EW	94.	13.75	47.	12.	4.	48.80
+	HYDROGRAPH AT	S91ES	155.	13.75	94.	28.	9.	48.80
+	ROUTED TO	R91J	150.	14.00	93.	28.	9.	48.80

+	2 COMBINED AT	CCB91	659.	13.83	413.	131.	45.	48.80
+	DIVERSION TO	D91CB	376.	13.83	236.	75.	26.	48.80
+	HYDROGRAPH AT	DCB91	283.	13.83	178.	56.	20.	48.80
+	ROUTED TO	RCB12	280.	14.00	177.	56.	20.	48.80
+	HYDROGRAPH AT	SBH8S	0.	13.92	0.	0.	0.	45.16
+	ROUTED TO	R1621S	0.	15.17	0.	0.	0.	45.16
+	HYDROGRAPH AT	16-21	586.	12.67	155.	40.	13.	1.02
+	HYDROGRAPH AT	S91EW	94.	13.75	47.	12.	4.	48.80
+	ROUTED TO	R1621W	86.	14.25	47.	12.	4.	48.80
+	3 COMBINED AT	C16-21	586.	12.67	212.	55.	18.	50.64
+	DIVERSION TO	D1621W	205.	12.67	70.	18.	6.	50.64
+	HYDROGRAPH AT	D1621S	308.	12.67	106.	28.	9.	50.64
+	2 COMBINED AT	CCB7	522.	13.00	276.	84.	29.	50.64
+	DIVERSION TO	SCB7S	129.	13.00	66.	18.	6.	50.64
+	HYDROGRAPH AT	SCB7W	393.	13.00	209.	66.	23.	50.64
+	ROUTED TO	RCB13	391.	13.17	209.	66.	23.	50.64
+	HYDROGRAPH AT	D99BH	0.	0.08	0.	0.	0.	45.16
+	HYDROGRAPH AT	D1621W	205.	12.67	70.	18.	6.	50.64
+	2 COMBINED AT	C99B	205.	12.67	70.	18.	6.	50.64
+	DIVERSION TO	S99BW	54.	12.67	15.	4.	1.	50.64
+	HYDROGRAPH AT	S99BS	152.	12.67	55.	15.	5.	50.64
+	ROUTED TO	R99E	149.	12.83	55.	15.	5.	50.64

+	2 COMBINED AT	CCB99	529.	13.08	263.	80.	27.	50.64
+	DIVERSION TO	D99CB	180.	13.08	90.	27.	9.	50.64
+	HYDROGRAPH AT	DCB99	349.	13.08	174.	53.	18.	50.64
+	ROUTED TO	RCB14	347.	13.25	173.	53.	18.	50.64
+	HYDROGRAPH AT	17-21E	287.	12.75	92.	24.	8.	0.70
+	HYDROGRAPH AT	S99BW	54.	12.67	15.	4.	1.	50.64
+	ROUTED TO	R1721W	50.	13.33	15.	4.	1.	50.64
+	2 COMBINED AT	C1721E	287.	13.08	102.	26.	9.	51.34
+	DIVERSION TO	D1721W	55.	13.08	20.	5.	2.	51.34
+	HYDROGRAPH AT	D1721S	207.	13.08	74.	19.	6.	51.34
+	2 COMBINED AT	CCB8	547.	13.17	242.	72.	24.	51.34
+	DIVERSION TO	SCB8S	195.	13.17	86.	23.	8.	51.34
+	HYDROGRAPH AT	SCB8W	352.	13.17	156.	48.	17.	51.34
+	ROUTED TO	RCB15	351.	13.33	155.	48.	17.	51.34
+	HYDROGRAPH AT	D1721W	55.	13.08	20.	5.	2.	51.34
+	2 COMBINED AT	CCB107	402.	13.33	173.	53.	18.	51.65
+	DIVERSION TO	D107CB	181.	13.33	78.	24.	8.	51.65
+	HYDROGRAPH AT	DCB107	221.	13.33	95.	29.	10.	51.65
+	HYDROGRAPH AT	17-21W	95.	12.67	33.	9.	3.	0.31
+	ROUTED TO	R1821W	88.	13.58	33.	9.	3.	0.31
+	HYDROGRAPH AT	18-21	183.	12.67	53.	13.	4.	0.54
+	3 COMBINED AT	C18-21	373.	13.42	163.	47.	16.	52.19

+	2 COMBINED AT	NULL6	6084.	13.92	3522.	1095.	399.	1.00
+	HYDROGRAPH AT	23-22	597.	12.67	182.	54.	18.	0.99
+	HYDROGRAPH AT	SD31BS	150.	11.75	140.	71.	24.	1.00
+	2 COMBINED AT	CSD31C	747.	12.67	322.	125.	42.	0.99
+	DIVERSION TO	SD31CS	251.	12.00	211.	97.	33.	0.99
+	HYDROGRAPH AT	SD31C	496.	12.67	111.	28.	9.	0.99
+	DIVERSION TO	D2322W	293.	12.67	65.	16.	5.	0.99
+	HYDROGRAPH AT	D2322E	203.	12.67	45.	11.	4.	0.99
+	HYDROGRAPH AT	D27CB	1342.	13.00	381.	106.	35.	5.04
+	ROUTED TO	R27E	1332.	13.17	381.	106.	35.	5.04
+	HYDROGRAPH AT	24-22	211.	12.33	52.	17.	6.	0.22
+	3 COMBINED AT	CIS27	1571.	13.08	472.	133.	45.	6.25
+	DIVERSION TO	D27IS	1571.	13.08	472.	133.	45.	6.25
+	HYDROGRAPH AT	DIS27	0.	0.08	0.	0.	0.	6.25
+	HYDROGRAPH AT	D35CB	1499.	13.00	402.	106.	35.	9.14
+	ROUTED TO	R35H	1496.	13.08	402.	106.	35.	9.14
+	HYDROGRAPH AT	D2322W	293.	12.67	65.	16.	5.	0.99
+	2 COMBINED AT	C35D	1727.	13.08	464.	122.	41.	10.13
+	ROUTED TO	R35I	1719.	13.08	464.	122.	41.	10.13
+	2 COMBINED AT	CIS35	1719.	13.08	464.	122.	41.	10.10
+	HYDROGRAPH AT	D43CB	1658.	13.50	658.	206.	69.	11.60
+	DIVERSION TO	SD43AS	165.	12.17	163.	82.	28.	11.60

+	HYDROGRAPH AT	SD43A	1493.	13.50	496.	124.	41.	11.60
+	ROUTED TO	RGR6	1489.	13.58	496.	124.	41.	11.60
+	HYDROGRAPH AT	22-22E	403.	12.42	92.	29.	10.	0.53
+	HYDROGRAPH AT	SD39BS	268.	12.00	200.	79.	27.	1.00
+	3 COMBINED AT	C2222E	1846.	13.58	774.	229.	77.	12.10
+	DIVERSION TO	SD39CS	268.	11.92	244.	97.	33.	12.10
+	HYDROGRAPH AT	SD39C	1578.	13.58	530.	132.	44.	12.10
+	ROUTED TO	RGR7	1575.	13.67	530.	132.	44.	12.10
+	2 COMBINED AT	CIS35A	2885.	13.42	972.	248.	83.	15.60
+	DIVERSION TO	D35IS	1424.	13.42	535.	134.	45.	15.60
+	HYDROGRAPH AT	DIS35	1461.	13.42	437.	115.	38.	15.60
+	DIVERSION TO	SIS1AS	1461.	13.42	437.	115.	38.	15.60
+	HYDROGRAPH AT	SIS1AW	0.	0.08	0.	0.	0.	15.60
+	HYDROGRAPH AT	22-22W	710.	12.08	93.	31.	10.	0.47
+	DIVERSION TO	D2222W	99.	12.08	13.	4.	1.	0.47
+	HYDROGRAPH AT	D2222S	610.	12.08	80.	26.	9.	0.47
+	HYDROGRAPH AT	SD39CS	268.	11.92	244.	97.	33.	12.10
+	3 COMBINED AT	C2222W	846.	12.08	316.	121.	41.	16.00
+	DIVERSION TO	SIS1S	625.	12.08	299.	117.	39.	16.00
+	HYDROGRAPH AT	SIS1W	221.	12.08	17.	4.	1.	16.00
+	ROUTED TO	RIS1	208.	12.25	17.	4.	1.	16.00
+	HYDROGRAPH AT	D2222W	99.	12.08	13.	4.	1.	0.47

+	HYDROGRAPH AT	SD43AS	165.	12.17	163.	82.	28.	11.60
+	2 COMBINED AT	CSD43A	256.	12.17	173.	86.	29.	16.00
+	DIVERSION TO	S43FW	30.	12.17	13.	3.	1.	16.00
+	HYDROGRAPH AT	S43FS	226.	12.17	160.	82.	28.	16.00
+	ROUTED TO	R43J	209.	12.33	160.	82.	28.	16.00
+	2 COMBINED AT	CIS43	407.	12.25	177.	87.	29.	16.00
+	DIVERSION TO	D43IS	289.	12.25	144.	78.	27.	16.00
+	HYDROGRAPH AT	DIS43	118.	12.25	33.	9.	3.	16.00
+	ROUTED TO	RIS2	97.	12.67	32.	9.	3.	16.00
+	HYDROGRAPH AT	SCB1S	104.	12.17	10.	2.	1.	12.00
+	ROUTED TO	R2122S	58.	12.67	10.	2.	1.	12.00
+	HYDROGRAPH AT	21-22	707.	12.42	154.	47.	16.	1.00
+	HYDROGRAPH AT	S43FW	30.	12.17	13.	3.	1.	16.00
+	ROUTED TO	R2122W	18.	13.00	12.	3.	1.	16.00
+	3 COMBINED AT	C21-22	714.	12.42	166.	50.	17.	13.50
+	DIVERSION TO	D2122W	200.	12.42	46.	14.	5.	13.50
+	HYDROGRAPH AT	D2122S	514.	12.42	119.	36.	12.	13.50
+	2 COMBINED AT	CIS1	576.	12.58	146.	45.	15.	17.50
+	DIVERSION TO	SIS2SA	288.	12.58	73.	22.	7.	17.50
+	HYDROGRAPH AT	SIS2WA	288.	12.58	73.	22.	7.	17.50
+	DIVERSION TO	SIS2S	179.	12.58	28.	7.	2.	17.50
+	HYDROGRAPH AT	SIS2W	110.	12.58	45.	15.	5.	17.50

+	ROUTED TO	RIS3	107.	12.83	45.	15.	5.	17.50
+	HYDROGRAPH AT	D51CB	135.	12.33	29.	11.	4.	12.00
+	ROUTED TO	R51K	122.	12.50	29.	11.	4.	12.00
+	HYDROGRAPH AT	D2122W	200.	12.42	46.	14.	5.	13.50
+	2 COMBINED AT	C51E	319.	12.50	75.	25.	8.	13.50
+	DIVERSION TO	S51GW	130.	12.50	19.	5.	2.	13.50
+	HYDROGRAPH AT	S51GS	188.	12.50	56.	20.	7.	13.50
+	ROUTED TO	R51L	184.	12.67	56.	20.	7.	13.50
+	2 COMBINED AT	CIS51	285.	12.75	100.	35.	12.	17.50
+	DIVERSION TO	D51IS	268.	12.75	98.	35.	12.	17.50
+	HYDROGRAPH AT	DIS51	17.	12.75	1.	0.	0.	17.50
+	ROUTED TO	RIS4	11.	13.25	1.	0.	0.	17.50
+	HYDROGRAPH AT	SCB2S	624.	12.42	132.	35.	12.	18.10
+	ROUTED TO	R2022S	592.	12.67	131.	35.	12.	18.10
+	HYDROGRAPH AT	20-22	552.	12.67	173.	54.	18.	1.01
+	HYDROGRAPH AT	S51GW	130.	12.50	19.	5.	2.	13.50
+	ROUTED TO	R2022W	110.	13.08	19.	5.	2.	13.50
+	3 COMBINED AT	C20-22	1113.	12.67	307.	91.	30.	20.50
+	DIVERSION TO	D2022W	434.	12.67	120.	35.	12.	20.50
+	HYDROGRAPH AT	D2022S	679.	12.67	187.	55.	18.	20.50
+	2 COMBINED AT	CIS2	672.	12.67	187.	55.	18.	24.50
+	DIVERSION TO	SIS3S	457.	12.67	102.	28.	9.	24.50

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+	HYDROGRAPH AT	SIS3W	216.	12.67	84.	27.	9.	24.50
+	ROUTED TO	RIS5	212.	12.83	84.	27.	9.	24.50
+	HYDROGRAPH AT	D59CB	295.	12.58	93.	42.	14.	18.10
+	ROUTED TO	R59L	284.	12.75	93.	42.	14.	18.10
+	HYDROGRAPH AT	D2022W	434.	12.67	120.	35.	12.	20.50
+	2 COMBINED AT	C59F	715.	12.67	211.	77.	26.	20.50
+	DIVERSION TO	S59GW	400.	12.67	81.	20.	7.	20.50
+	HYDROGRAPH AT	S59GS	315.	12.67	130.	57.	19.	20.50
+	ROUTED TO	R59M	310.	12.83	130.	57.	19.	20.50
+	2 COMBINED AT	CIS59	519.	12.83	214.	84.	28.	24.50
+	DIVERSION TO	D59IS	457.	12.83	208.	82.	28.	24.50
+	HYDROGRAPH AT	DIS59	63.	12.83	6.	1.	0.	24.50
+	ROUTED TO	RIS6	56.	13.00	6.	1.	0.	24.50
+	HYDROGRAPH AT	SCB3S	493.	12.75	163.	43.	14.	25.30
+	ROUTED TO	R1922S	458.	13.08	161.	43.	14.	25.30
+	HYDROGRAPH AT	19-22	631.	12.50	163.	48.	16.	0.94
+	ROUTED TO	PAGC	626.	12.58	160.	46.	15.	0.94
+	HYDROGRAPH AT	S59GW	400.	12.67	81.	20.	7.	20.50
+	ROUTED TO	R1922W	374.	13.08	81.	20.	7.	20.50
+	3 COMBINED AT	C19-22	1280.	13.08	379.	106.	36.	28.70
+	DIVERSION TO	D1922W	563.	13.08	167.	47.	16.	28.70
+	HYDROGRAPH AT	D1922S	717.	13.08	212.	60.	20.	28.70

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+	2 COMBINED AT	CIS3	759.	13.08	214.	60.	20.	32.70
+	DIVERSION TO	SIS4S	733.	13.08	189.	48.	16.	32.70
+	HYDROGRAPH AT	SIS4W	26.	12.92	26.	12.	4.	32.70
+	HYDROGRAPH AT	D67CB	288.	12.92	116.	42.	14.	25.30
+	ROUTED TO	R67N	282.	13.08	116.	42.	14.	25.30
+	HYDROGRAPH AT	D1922W	563.	13.08	167.	47.	16.	28.70
+	2 COMBINED AT	C67G	844.	13.08	281.	89.	30.	28.70
+	DIVERSION TO	S67HW	844.	13.08	281.	89.	30.	28.70
+	HYDROGRAPH AT	S67HS	0.	0.08	0.	0.	0.	28.70
+	2 COMBINED AT	CIS67	26.	12.92	26.	12.	4.	28.70
+	DIVERSION TO	D67IS	26.	12.92	26.	12.	4.	28.70
+	HYDROGRAPH AT	DIS67	0.	0.08	0.	0.	0.	28.70
+	HYDROGRAPH AT	S67HW	844.	13.08	281.	89.	30.	28.70
+	ROUTED TO	R2421W	807.	13.50	278.	89.	30.	28.70
+	HYDROGRAPH AT	24-21N	421.	12.33	79.	23.	8.	0.41
+	HYDROGRAPH AT	SCB4S	510.	13.08	216.	60.	20.	37.08
+	ROUTED TO	R2421S	506.	13.25	215.	60.	20.	37.08
+	3 COMBINED AT	C2421N	1280.	13.50	530.	165.	55.	40.90
+	ROUTED TO	RES24N	365.	16.33	280.	91.	31.	40.90
+	HYDROGRAPH AT	24-21S	855.	12.25	120.	37.	12.	0.61
+	2 COMBINED AT	C2421S	772.	12.25	291.	122.	41.	41.52
+	DIVERSION TO	D2421W	162.	12.25	61.	26.	9.	41.52

+	HYDROGRAPH AT	D2421S	610.	12.25	230.	96.	33.	41.52
+	2 COMBINED AT	CIS5	610.	12.25	230.	96.	33.	41.52
+	DIVERSION TO	SIS5S	318.	12.25	114.	43.	14.	41.52
+	HYDROGRAPH AT	SIS5W	292.	12.25	116.	53.	18.	41.52
+	ROUTED TO	RIS8	275.	12.33	116.	53.	18.	41.52
+	HYDROGRAPH AT	D75CB	252.	13.25	108.	39.	13.	37.08
+	HYDROGRAPH AT	D2421W	162.	12.25	61.	26.	9.	41.52
+	2 COMBINED AT	C75F1	260.	13.25	166.	64.	22.	41.52
+	DIVERSION TO	S75IW	150.	13.25	92.	27.	9.	41.52
+	HYDROGRAPH AT	S75IS	110.	13.25	75.	36.	12.	41.52
+	ROUTED TO	R75O	108.	13.42	74.	36.	12.	41.52
+	2 COMBINED AT	CIS75	355.	12.42	190.	89.	31.	41.52
+	DIVERSION TO	D75IS	295.	12.42	172.	82.	28.	41.52
+	HYDROGRAPH AT	DIS75	61.	12.42	18.	7.	2.	41.52
+	ROUTED TO	RIS9	50.	12.67	18.	7.	2.	41.52
+	HYDROGRAPH AT	SCB5S	249.	12.67	129.	34.	11.	41.59
+	ROUTED TO	R2321S	242.	13.50	126.	34.	11.	41.59
+	HYDROGRAPH AT	23-21	737.	12.50	175.	53.	18.	0.99
+	HYDROGRAPH AT	S75IW	150.	13.25	92.	27.	9.	41.52
+	ROUTED TO	R2321W	131.	13.92	90.	27.	9.	41.52
+	3 COMBINED AT	C23-21	813.	12.75	350.	107.	36.	47.02
+	DIVERSION TO	D2321W	350.	12.75	150.	46.	15.	47.02

+	HYDROGRAPH AT	D2321S	464.	12.75	199.	61.	20.	47.02
+	2 COMBINED AT	CIS6	510.	12.75	216.	68.	23.	47.02
+	DIVERSION TO	SIS6S	333.	12.75	116.	29.	10.	47.02
+	HYDROGRAPH AT	SIS6W	177.	12.75	100.	38.	13.	47.02
+	ROUTED TO	RIS10	175.	12.92	100.	38.	13.	47.02
+	HYDROGRAPH AT	D83CB	234.	13.42	149.	48.	17.	41.59
+	ROUTED TO	R83N	232.	13.58	149.	48.	17.	41.59
+	HYDROGRAPH AT	D2321W	350.	12.75	150.	46.	15.	47.02
+	2 COMBINED AT	C83G	542.	12.92	293.	93.	32.	47.02
+	DIVERSION TO	S83HW	8.	12.92	4.	1.	0.	47.02
+	HYDROGRAPH AT	S83HS	534.	12.92	289.	92.	32.	47.02
+	ROUTED TO	R83O	532.	13.00	288.	92.	32.	47.02
+	2 COMBINED AT	CIS83	706.	13.00	388.	130.	45.	47.02
+	DIVERSION TO	D83IS	371.	13.00	263.	99.	34.	47.02
+	HYDROGRAPH AT	DIS83	335.	13.00	125.	31.	10.	47.02
+	ROUTED TO	RIS11	331.	13.17	124.	31.	10.	47.02
+	HYDROGRAPH AT	SCB6S	331.	13.67	197.	55.	18.	48.80
+	ROUTED TO	R2221S	319.	14.00	195.	55.	18.	48.80
+	HYDROGRAPH AT	22-21	696.	12.58	191.	54.	18.	1.00
+	HYDROGRAPH AT	S83HW	8.	12.92	4.	1.	0.	47.02
+	ROUTED TO	R2221W	7.	13.92	4.	1.	0.	47.02
+	3 COMBINED AT	C22-21	764.	13.00	343.	102.	34.	55.24

+	DIVERSION TO	D2221W	436.	13.00	196.	58.	19.	55.24
+	HYDROGRAPH AT	D2221S	329.	13.00	148.	44.	15.	55.24
+	2 COMBINED AT	CIS7	645.	13.08	265.	74.	25.	55.24
+	DIVERSION TO	SIS7S	343.	13.08	123.	31.	10.	55.24
+	HYDROGRAPH AT	SIS7W	302.	13.08	142.	43.	14.	55.24
+	ROUTED TO	RIS12	299.	13.17	142.	43.	14.	55.24
+	HYDROGRAPH AT	D91CB	376.	13.83	236.	75.	26.	48.80
+	ROUTED TO	R91K	371.	14.00	235.	75.	26.	48.80
+	HYDROGRAPH AT	D2221W	436.	13.00	196.	58.	19.	55.24
+	2 COMBINED AT	C91F	760.	13.08	419.	131.	45.	55.24
+	DIVERSION TO	S91FW	421.	13.08	228.	66.	22.	55.24
+	HYDROGRAPH AT	S91FS	339.	13.08	190.	65.	23.	55.24
+	ROUTED TO	R91L	336.	13.25	190.	65.	23.	55.24
+	2 COMBINED AT	CIS91	635.	13.25	332.	108.	37.	55.24
+	DIVERSION TO	D91IS	257.	13.25	196.	74.	26.	55.24
+	HYDROGRAPH AT	DIS91	378.	13.25	136.	34.	11.	55.24
+	ROUTED TO	RIS13	375.	13.33	136.	34.	11.	55.24
+	HYDROGRAPH AT	SCB7S	129.	13.00	66.	18.	6.	50.64
+	ROUTED TO	R2121S	126.	13.42	65.	18.	6.	50.64
+	HYDROGRAPH AT	21-21	642.	12.58	154.	39.	13.	1.01
+	HYDROGRAPH AT	S91FW	421.	13.08	228.	66.	22.	55.24
+	ROUTED TO	R2121W	415.	13.33	227.	66.	22.	55.24

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+	3 COMBINED AT	C21-21	885.	13.17	403.	115.	38.	59.10
+	DIVERSION TO	D2121W	469.	13.17	213.	61.	20.	59.10
+	HYDROGRAPH AT	D2121S	416.	13.17	189.	54.	18.	59.10
+	2 COMBINED AT	CIS8	777.	13.25	322.	87.	29.	59.10
+	DIVERSION TO	SIS8S	302.	13.25	121.	31.	10.	59.10
+	HYDROGRAPH AT	SIS8W	475.	13.25	201.	56.	19.	59.10
+	ROUTED TO	RIS14	475.	13.25	201.	56.	19.	59.10
+	HYDROGRAPH AT	D99CB	180.	13.08	90.	27.	9.	50.64
+	ROUTED TO	R99F	178.	13.33	89.	27.	9.	50.64
+	HYDROGRAPH AT	D2121W	469.	13.17	213.	61.	20.	59.10
+	2 COMBINED AT	C99C	643.	13.25	298.	88.	29.	59.10
+	DIVERSION TO	S99CW	283.	13.25	128.	35.	12.	59.10
+	HYDROGRAPH AT	S99CS	359.	13.25	170.	52.	18.	59.10
+	ROUTED TO	R99G	356.	13.33	170.	52.	18.	59.10
+	2 COMBINED AT	CIS99	830.	13.33	370.	109.	37.	59.10
+	DIVERSION TO	D99IS	183.	13.33	81.	24.	8.	59.10
+	HYDROGRAPH AT	DIS99	648.	13.33	289.	85.	28.	59.10
+	ROUTED TO	RIS15	644.	13.42	288.	85.	28.	59.10
+	HYDROGRAPH AT	SCB8S	195.	13.17	86.	23.	8.	51.34
+	ROUTED TO	R2021S	190.	13.58	85.	23.	8.	51.34
+	HYDROGRAPH AT	20-21	574.	12.67	177.	51.	17.	1.02
+	DIVERSION TO	D2021R	379.	12.67	57.	15.	5.	1.02

+	HYDROGRAPH AT	RET20	501.	13.08	127.	36.	12.	1.02
+	HYDROGRAPH AT	S99CW	283.	13.25	128.	35.	12.	59.10
+	ROUTED TO	R2021W	277.	13.58	125.	35.	12.	59.10
+	3 COMBINED AT	C20-21	787.	13.33	299.	87.	29.	60.83
+	DIVERSION TO	D2021W	212.	13.33	81.	23.	8.	60.83
+	HYDROGRAPH AT	D2021S	574.	13.33	218.	63.	21.	60.83
+	2 COMBINED AT	CIS9	1216.	13.42	504.	148.	50.	60.83
+	DIVERSION TO	SIS9S	338.	13.42	138.	39.	13.	60.83
+	HYDROGRAPH AT	SIS9W	878.	13.42	366.	109.	37.	60.83
+	ROUTED TO	RIS16	875.	13.50	366.	109.	37.	60.83
+	HYDROGRAPH AT	D107CB	181.	13.33	78.	24.	8.	51.65
+	ROUTED TO	R107A	179.	13.50	78.	24.	8.	51.65
+	HYDROGRAPH AT	D2021W	212.	13.33	81.	23.	8.	60.83
+	2 COMBINED AT	C107A	387.	13.42	156.	47.	16.	60.83
+	DIVERSION TO	S107AW	159.	13.42	60.	15.	5.	60.83
+	HYDROGRAPH AT	S107AS	227.	13.42	96.	31.	11.	60.83
+	ROUTED TO	R107B	225.	13.58	96.	31.	11.	60.83
+	2 COMBINED AT	CIS107	1097.	13.50	462.	140.	47.	60.83
+	DIVERSION TO	D107IS	735.	13.50	309.	94.	32.	60.83
+	HYDROGRAPH AT	DIS107	362.	13.50	152.	46.	16.	60.83
+	ROUTED TO	RIS17	360.	13.67	152.	46.	16.	60.83
+	HYDROGRAPH AT	19-21	443.	12.50	98.	27.	9.	0.87

+	HYDROGRAPH AT	S107AW	159.	13.42	60.	15.	5.	60.83
+	ROUTED TO	R1921W	155.	13.67	60.	15.	5.	60.83
+	2 COMBINED AT	C19-21	443.	12.50	168.	46.	15.	61.70
+	DIVERSION TO	D1921W	263.	12.50	98.	27.	9.	61.70
+	HYDROGRAPH AT	D1921S	102.	12.50	38.	11.	4.	61.70
+	2 COMBINED AT	CIS10	431.	13.67	183.	57.	19.	61.70
+	ROUTED TO	RIS18	427.	13.83	183.	57.	19.	61.70
+	HYDROGRAPH AT	D1921W	263.	12.50	98.	27.	9.	61.70
+	3 COMBINED AT	NULL7	6766.	13.92	3875.	1199.	434.	1.00
+	HYDROGRAPH AT	D35IS	1424.	13.42	535.	134.	45.	15.60
+	ROUTED TO	RGR8	1422.	13.58	535.	134.	45.	15.60
+	HYDROGRAPH AT	D27IS	1571.	13.08	472.	133.	45.	6.25
+	ROUTED TO	R27F	1574.	13.17	472.	133.	45.	6.25
+	HYDROGRAPH AT	26-22N	652.	12.08	77.	25.	8.	0.38
+	HYDROGRAPH AT	SD31CS	251.	12.00	211.	97.	33.	0.99
+	4 COMBINED AT	C2622N	3146.	13.25	1264.	380.	127.	16.65
+	DIVERSION TO	SD31DS	251.	11.58	246.	126.	43.	16.65
+	HYDROGRAPH AT	SD31D	2895.	13.25	1018.	255.	85.	16.65
+	ROUTED TO	RES26T	2893.	13.25	1048.	382.	234.	16.65
+	DIVERSION TO	D26S	2893.	13.25	1048.	382.	234.	16.65
+	HYDROGRAPH AT	D26W	0.	0.08	0.	0.	0.	16.65
+	HYDROGRAPH AT	SIS1AS	1461.	13.42	437.	115.	38.	15.60

S714PRINT

+	DIVERSION TO	SD35DS	75.	12.25	65.	22.	7.	15.60
+	HYDROGRAPH AT	SD35DW	1386.	13.42	372.	93.	31.	15.60
+	ROUTED TO	R2722W	1381.	13.58	372.	93.	31.	15.60
+	HYDROGRAPH AT	SIS1S	625.	12.08	299.	117.	39.	16.00
+	ROUTED TO	R2722S	603.	12.25	299.	117.	39.	16.00
+	HYDROGRAPH AT	27-22N	399.	12.25	84.	28.	9.	0.37
+	4 COMBINED AT	C2722N	1745.	13.50	746.	236.	79.	16.40
+	DIVERSION TO	D2722A	268.	13.50	83.	21.	7.	16.40
+	HYDROGRAPH AT	D2722N	1476.	13.50	662.	215.	72.	16.40
+	DIVERSION TO	D39S	876.	13.50	375.	143.	48.	16.40
+	HYDROGRAPH AT	D39	600.	12.92	287.	72.	24.	16.40
+	HYDROGRAPH AT	D43IS	289.	12.25	144.	78.	27.	16.00
+	ROUTED TO	R43K	276.	12.42	144.	78.	27.	16.00
+	DIVERSION TO	S43GW	94.	12.42	28.	8.	3.	16.00
+	HYDROGRAPH AT	S43GS	183.	12.42	117.	70.	24.	16.00
+	HYDROGRAPH AT	D2722A	268.	13.50	83.	21.	7.	16.40
+	3 COMBINED AT	C2722A	981.	13.50	487.	163.	55.	16.40
+	ROUTED TO	PA43	982.	13.50	487.	163.	55.	16.40
+	DIVERSION TO	D43S	782.	13.50	350.	128.	43.	16.40
+	HYDROGRAPH AT	D43	200.	12.00	137.	35.	12.	16.40
+	ROUTED TO	R2822W	200.	12.67	135.	35.	12.	16.40
+	HYDROGRAPH AT	SIS2S	179.	12.58	28.	7.	2.	17.50

+	HYDROGRAPH AT	SIS2SA	288.	12.58	73.	22.	7.	17.50
+	2 COMBINED AT	C2822A	465.	12.58	101.	29.	10.	18.30
+	ROUTED TO	R2822S	457.	12.67	101.	29.	10.	18.30
+	HYDROGRAPH AT	28-22N	386.	12.33	79.	25.	8.	0.45
+	HYDROGRAPH AT	S43GW	94.	12.42	28.	8.	3.	16.00
+	3 COMBINED AT	C2822N	828.	12.58	198.	60.	20.	18.30
+	DIVERSION TO	D2822A	613.	12.58	147.	44.	15.	18.30
+	HYDROGRAPH AT	D2822N	215.	12.58	52.	16.	5.	18.30
+	2 COMBINED AT	C2822D	415.	12.58	186.	51.	17.	18.30
+	ROUTED TO	PA47	368.	12.92	186.	51.	17.	18.30
+	DIVERSION TO	D47S	0.	12.83	0.	0.	0.	18.30
+	HYDROGRAPH AT	D47	368.	12.92	186.	51.	17.	18.30
+	HYDROGRAPH AT	D51IS	268.	12.75	98.	35.	12.	17.50
+	ROUTED TO	R51M	266.	12.83	98.	35.	12.	17.50
+	DIVERSION TO	S51HW	29.	12.83	2.	1.	0.	17.50
+	HYDROGRAPH AT	S51HS	236.	12.83	96.	34.	11.	17.50
+	HYDROGRAPH AT	D2822A	613.	12.58	147.	44.	15.	18.30
+	3 COMBINED AT	C2822B	1174.	12.67	428.	129.	43.	18.30
+	ROUTED TO	PA51	910.	13.17	414.	129.	43.	18.30
+	DIVERSION TO	D51S	894.	13.17	411.	128.	43.	18.30
+	HYDROGRAPH AT	D51	16.	13.17	3.	1.	0.	18.30
+	HYDROGRAPH AT	SIS3S	457.	12.67	102.	28.	9.	24.50

+	ROUTED TO	R2922S	447.	12.83	102.	28.	9.	24.50
+	HYDROGRAPH AT	29-22N	494.	12.25	69.	21.	7.	0.41
+	2 COMBINED AT	C2922N	583.	12.75	164.	47.	16.	24.90
+	DIVERSION TO	D2922A	315.	12.75	88.	25.	9.	24.90
+	HYDROGRAPH AT	D2922N	268.	12.75	75.	22.	7.	24.90
+	HYDROGRAPH AT	S51HW	29.	12.83	2.	1.	0.	17.50
+	3 COMBINED AT	C2922B	295.	12.75	81.	23.	8.	25.80
+	ROUTED TO	PA55	124.	13.25	81.	23.	8.	25.80
+	DIVERSION TO	D55S	124.	13.25	75.	19.	6.	25.80
+	HYDROGRAPH AT	D55	54.	11.83	7.	4.	1.	25.80
+	HYDROGRAPH AT	D59IS	457.	12.83	208.	82.	28.	24.50
+	DIVERSION TO	S59HW	49.	12.83	4.	1.	0.	24.50
+	HYDROGRAPH AT	S59HS	408.	12.83	204.	81.	27.	24.50
+	HYDROGRAPH AT	D2922A	315.	12.75	88.	25.	9.	24.90
+	3 COMBINED AT	C2922A	717.	12.75	295.	111.	37.	25.80
+	ROUTED TO	PA59	626.	13.08	295.	111.	37.	25.80
+	DIVERSION TO	D59S	353.	13.08	243.	98.	33.	25.80
+	HYDROGRAPH AT	D59	273.	13.08	52.	13.	4.	25.80
+	HYDROGRAPH AT	SIS4S	733.	13.08	189.	48.	16.	32.70
+	ROUTED TO	R3022S	726.	13.17	188.	48.	16.	32.70
+	HYDROGRAPH AT	30-22N	88.	12.58	30.	9.	3.	0.16
+	HYDROGRAPH AT	S59HW	49.	12.83	4.	1.	0.	24.50

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+	4 COMBINED AT	C3022N	1084.	13.08	266.	69.	23.	34.10
+	ROUTED TO	PA63	1042.	13.25	260.	69.	23.	34.10
+	DIVERSION TO	D63S	1042.	13.25	260.	69.	23.	34.10
+	HYDROGRAPH AT	D63	0.	0.08	0.	0.	0.	34.10
+	HYDROGRAPH AT	D26S	2893.	13.25	1048.	382.	234.	16.65
+	ROUTED TO	R2622S	2889.	13.33	1048.	382.	234.	16.65
+	HYDROGRAPH AT	26-22E	533.	12.17	84.	27.	9.	0.38
+	2 COMBINED AT	C2622E	2994.	13.33	1146.	412.	244.	12.14
+	ROUTED TO	RES26E	2547.	13.83	1136.	412.	244.	12.14
+	DIVERSION TO	D27TR	2514.	13.83	1103.	382.	216.	12.14
+	HYDROGRAPH AT	DTR27	33.	0.08	33.	30.	28.	12.14
+	HYDROGRAPH AT	26-22S	833.	12.00	86.	28.	9.	0.39
+	DIVERSION TO	D2622W	200.	12.00	21.	7.	2.	0.39
+	HYDROGRAPH AT	D2622S	633.	12.00	66.	21.	7.	0.39
+	HYDROGRAPH AT	SD31DS	251.	11.58	246.	126.	43.	16.65
+	3 COMBINED AT	C2622S	917.	12.00	344.	180.	79.	0.39
+	DIVERSION TO	STR1S	745.	12.00	306.	163.	72.	0.39
+	HYDROGRAPH AT	STR1W	173.	12.00	38.	18.	7.	0.39
+	ROUTED TO	RTR1	146.	12.33	38.	17.	7.	0.39
+	HYDROGRAPH AT	SD35DS	75.	12.25	65.	22.	7.	15.60
+	HYDROGRAPH AT	26-22W	111.	12.08	16.	5.	2.	0.08
+	HYDROGRAPH AT	D2622W	200.	12.00	21.	7.	2.	0.39

+	3 COMBINED AT	C35E	332.	12.08	99.	34.	11.	0.47
+	DIVERSION TO	S35DW	114.	12.08	9.	2.	1.	0.47
+	HYDROGRAPH AT	S35DS	218.	12.08	90.	31.	11.	0.47
+	ROUTED TO	R35J	201.	12.25	90.	31.	11.	0.47
+	2 COMBINED AT	CTR35	342.	12.25	127.	49.	18.	0.47
+	DIVERSION TO	D35TR	265.	12.25	98.	37.	14.	0.47
+	HYDROGRAPH AT	DTR35	77.	12.25	30.	12.	4.	0.47
+	ROUTED TO	RTR2	66.	12.67	30.	12.	4.	0.47
+	HYDROGRAPH AT	D39S	876.	13.50	375.	143.	48.	16.40
+	ROUTED TO	R2722A	873.	13.58	374.	143.	48.	16.40
+	HYDROGRAPH AT	27-22S	585.	12.42	131.	40.	13.	0.63
+	HYDROGRAPH AT	S35DW	114.	12.08	9.	2.	1.	0.47
+	ROUTED TO	R2722B	54.	12.92	9.	2.	1.	0.47
+	3 COMBINED AT	C2722S	1085.	13.42	513.	185.	62.	12.14
+	DIVERSION TO	D2722W	64.	13.42	19.	5.	2.	12.14
+	HYDROGRAPH AT	D2722S	1021.	13.42	495.	181.	61.	12.14
+	2 COMBINED AT	CTR1	1057.	13.33	523.	192.	65.	12.14
+	DIVERSION TO	STR2S	896.	13.33	469.	179.	61.	12.14
+	HYDROGRAPH AT	STR2W	161.	13.33	53.	13.	4.	12.14
+	ROUTED TO	RTR3	159.	13.83	53.	13.	4.	12.14
+	HYDROGRAPH AT	D43S	782.	13.50	350.	128.	43.	16.40
+	HYDROGRAPH AT	D2722W	64.	13.42	19.	5.	2.	12.14

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+	2 COMBINED AT	C43F	853.	13.42	374.	135.	45.	12.14
+	DIVERSION TO	S43HW	520.	13.42	190.	48.	16.	12.14
+	HYDROGRAPH AT	S43HS	333.	13.42	184.	87.	30.	12.14
+	ROUTED TO	R43M	333.	13.50	184.	87.	30.	12.14
+	2 COMBINED AT	CTR43	486.	13.83	236.	100.	34.	12.14
+	DIVERSION TO	D43TR	443.	13.83	226.	98.	33.	12.14
+	HYDROGRAPH AT	DTR43	42.	13.83	10.	2.	1.	12.14
+	HYDROGRAPH AT	D51S	894.	13.17	411.	128.	43.	18.30
+	HYDROGRAPH AT	D47S	0.	12.83	0.	0.	0.	18.30
+	2 COMBINED AT	C2822C	894.	13.17	411.	128.	43.	18.32
+	ROUTED TO	R2822A	886.	13.25	410.	128.	43.	18.32
+	HYDROGRAPH AT	28-22S	533.	12.33	95.	29.	10.	0.54
+	2 COMBINED AT	C2822S	991.	13.25	485.	155.	52.	18.86
+	DIVERSION TO	D2822W	20.	13.25	10.	3.	1.	18.86
+	HYDROGRAPH AT	D2822S	971.	13.25	475.	152.	51.	18.86
+	HYDROGRAPH AT	S43HW	520.	13.42	190.	48.	16.	12.14
+	ROUTED TO	R2822B	518.	13.83	190.	48.	16.	12.14
+	3 COMBINED AT	CTR2	1326.	13.50	667.	199.	67.	19.96
+	DIVERSION TO	STR3S	663.	13.50	333.	100.	33.	19.96
+	HYDROGRAPH AT	STR3W	663.	13.50	333.	100.	33.	19.96
+	DIVERSION TO	STR4S	519.	13.50	258.	72.	24.	19.96
+	HYDROGRAPH AT	STR4W	145.	13.50	75.	28.	9.	19.96

+	ROUTED TO	RTR4	143.	13.67	75.	28.	9.	19.96
+	HYDROGRAPH AT	D2822W	20.	13.25	10.	3.	1.	18.86
+	DIVERSION TO	S51IW	0.	13.17	0.	0.	0.	18.86
+	HYDROGRAPH AT	S51IS	20.	13.25	10.	3.	1.	18.86
+	ROUTED TO	R51N	17.	13.58	10.	3.	1.	18.86
+	2 COMBINED AT	CTR51	160.	13.67	84.	31.	10.	19.96
+	DIVERSION TO	D51TR	160.	13.67	84.	31.	10.	19.96
+	HYDROGRAPH AT	DTR51	0.	0.08	0.	0.	0.	19.96
+	ROUTED TO	RTR5	0.	0.08	0.	0.	0.	19.96
+	HYDROGRAPH AT	D55S	124.	13.25	75.	19.	6.	25.80
+	ROUTED TO	R2922A	124.	14.08	75.	19.	6.	25.80
+	HYDROGRAPH AT	29-22S	553.	12.33	106.	32.	11.	0.59
+	HYDROGRAPH AT	S51IW	0.	13.17	0.	0.	0.	18.86
+	ROUTED TO	R2922B	0.	14.25	0.	0.	0.	18.86
+	3 COMBINED AT	C2922S	581.	12.42	171.	49.	16.	26.90
+	DIVERSION TO	D2922W	157.	12.42	46.	13.	4.	26.90
+	HYDROGRAPH AT	D2922S	424.	12.42	125.	35.	12.	26.90
+	2 COMBINED AT	CTR3	423.	12.42	125.	35.	12.	28.00
+	DIVERSION TO	STR5S	234.	12.42	55.	14.	5.	28.00
+	HYDROGRAPH AT	STR5W	189.	12.42	70.	22.	7.	28.00
+	ROUTED TO	RTR6	184.	12.58	69.	22.	7.	28.00
+	HYDROGRAPH AT	D59S	353.	13.08	243.	98.	33.	25.80

+	ROUTED TO	R59N	353.	13.17	243.	98.	33.	25.80
+	HYDROGRAPH AT	D2922W	157.	12.42	46.	13.	4.	26.90
+	2 COMBINED AT	C59G	431.	13.08	289.	111.	37.	26.90
+	DIVERSION TO	S59IW	2.	13.00	0.	0.	0.	26.90
+	HYDROGRAPH AT	S59IS	429.	13.08	289.	111.	37.	26.90
+	ROUTED TO	R59O	427.	13.17	288.	111.	37.	26.90
+	2 COMBINED AT	CTR59	578.	12.67	357.	132.	45.	28.00
+	DIVERSION TO	D59TR	502.	12.67	342.	128.	43.	28.00
+	HYDROGRAPH AT	DTR59	75.	12.67	15.	4.	1.	28.00
+	ROUTED TO	RTR7	68.	13.08	15.	4.	1.	28.00
+	HYDROGRAPH AT	D63S	1042.	13.25	260.	69.	23.	34.10
+	ROUTED TO	R3022A	1031.	13.33	260.	69.	23.	34.10
+	HYDROGRAPH AT	30-22S	630.	12.50	157.	47.	16.	0.81
+	HYDROGRAPH AT	S59IW	2.	13.00	0.	0.	0.	26.90
+	ROUTED TO	R3022B	1.	14.00	0.	0.	0.	26.90
+	3 COMBINED AT	C3022S	1295.	13.33	390.	111.	37.	36.03
+	DIVERSION TO	D3022W	311.	13.33	94.	27.	9.	36.03
+	HYDROGRAPH AT	D3022S	984.	13.33	296.	85.	28.	36.03
+	2 COMBINED AT	CTR4	1042.	13.33	309.	88.	29.	37.13
+	DIVERSION TO	STR6S	685.	13.33	197.	51.	17.	37.13
+	HYDROGRAPH AT	STR6W	357.	13.33	112.	37.	12.	37.13
+	ROUTED TO	RTR8	351.	13.50	112.	37.	12.	37.13

+	HYDROGRAPH AT	D3022W	311.	13.33	94.	27.	9.	36.03
+	HYDROGRAPH AT	D67IS	26.	12.92	26.	12.	4.	28.70
+	2 COMBINED AT	C67G1	337.	13.33	119.	39.	13.	36.03
+	DIVERSION TO	S67IW	46.	13.33	3.	1.	0.	36.03
+	HYDROGRAPH AT	S67IS	290.	13.33	116.	38.	13.	36.03
+	ROUTED TO	R67O	288.	13.42	116.	38.	13.	36.03
+	3 COMBINED AT	CTR67	638.	13.50	228.	75.	25.	37.13
+	DIVERSION TO	D67TR	479.	13.50	201.	68.	23.	37.13
+	HYDROGRAPH AT	DTR67	159.	13.50	27.	7.	2.	37.13
+	ROUTED TO	RTR9	152.	13.67	27.	7.	2.	37.13
+	HYDROGRAPH AT	SIS5S	318.	12.25	114.	43.	14.	41.52
+	ROUTED TO	R2521S	284.	12.50	112.	43.	14.	41.52
+	HYDROGRAPH AT	25-21	754.	12.50	200.	59.	20.	1.00
+	DIVERSION TO	D2521R	15.	12.50	4.	1.	0.	1.00
+	HYDROGRAPH AT	RET25	739.	12.50	196.	58.	19.	1.00
+	HYDROGRAPH AT	S67IW	46.	13.33	3.	1.	0.	36.03
+	ROUTED TO	R2521W	18.	14.17	3.	1.	0.	36.03
+	3 COMBINED AT	C25-21	960.	12.50	281.	97.	32.	37.64
+	DIVERSION TO	D2521W	230.	12.50	67.	23.	8.	37.64
+	HYDROGRAPH AT	D2521S	730.	12.50	213.	73.	25.	37.64
+	2 COMBINED AT	CTR5	728.	12.50	238.	80.	27.	38.75
+	DIVERSION TO	STR7S	336.	12.50	70.	18.	6.	38.75

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+	HYDROGRAPH AT	STR7W	392.	12.50	168.	62.	21.	38.75
+	ROUTED TO	RTR10	385.	12.67	168.	62.	21.	38.75
+	HYDROGRAPH AT	D75IS	295.	12.42	172.	82.	28.	41.52
+	ROUTED TO	R75P	288.	12.50	171.	82.	28.	41.52
+	HYDROGRAPH AT	D2521W	230.	12.50	67.	23.	8.	37.64
+	2 COMBINED AT	C75G	520.	12.50	240.	106.	36.	37.64
+	DIVERSION TO	S75JW	104.	12.50	7.	2.	1.	37.64
+	HYDROGRAPH AT	S75JS	416.	12.50	233.	104.	36.	37.64
+	ROUTED TO	R75Q	411.	12.67	232.	104.	36.	37.64
+	2 COMBINED AT	CTR75	796.	12.67	398.	165.	57.	38.75
+	DIVERSION TO	D75TR	632.	12.67	369.	158.	54.	38.75
+	HYDROGRAPH AT	DTR75	164.	12.67	29.	7.	2.	38.75
+	ROUTED TO	RTR11	154.	12.83	29.	7.	2.	38.75
+	HYDROGRAPH AT	SIS6S	333.	12.75	116.	29.	10.	47.02
+	ROUTED TO	R2621S	310.	13.25	114.	29.	10.	47.02
+	HYDROGRAPH AT	26-21	629.	12.58	180.	54.	18.	0.99
+	HYDROGRAPH AT	S75JW	104.	12.50	7.	2.	1.	37.64
+	ROUTED TO	R2621W	41.	13.42	7.	2.	1.	37.64
+	3 COMBINED AT	C26-21	769.	13.08	277.	81.	27.	41.28
+	DIVERSION TO	D2621W	200.	13.08	72.	21.	7.	41.28
+	HYDROGRAPH AT	D2621S	569.	13.08	205.	60.	20.	41.28
+	2 COMBINED AT	CTR6	703.	13.08	233.	67.	22.	41.28

+	DIVERSION TO	STR8S	180.	13.08	56.	14.	5.	41.28
+	HYDROGRAPH AT	STR8W	523.	13.08	177.	52.	18.	41.28
+	ROUTED TO	RTR12	521.	13.17	176.	52.	18.	41.28
+	HYDROGRAPH AT	D83IS	371.	13.00	263.	99.	34.	47.02
+	ROUTED TO	R83P	370.	13.17	263.	99.	34.	47.02
+	HYDROGRAPH AT	D2621W	200.	13.08	72.	21.	7.	41.28
+	2 COMBINED AT	C83H	557.	13.08	324.	118.	40.	57.03
+	DIVERSION TO	S83IW	182.	13.08	45.	11.	4.	57.03
+	HYDROGRAPH AT	S83IS	374.	13.08	280.	106.	37.	57.03
+	ROUTED TO	R83Q	374.	13.25	279.	106.	37.	57.03
+	2 COMBINED AT	CTR83	875.	13.17	444.	156.	53.	56.35
+	DIVERSION TO	D83TR	654.	13.17	373.	138.	47.	56.35
+	HYDROGRAPH AT	DTR83	221.	13.17	70.	18.	6.	56.35
+	ROUTED TO	RTR13	218.	13.33	70.	18.	6.	56.35
+	HYDROGRAPH AT	SIS7S	343.	13.08	123.	31.	10.	55.24
+	ROUTED TO	R2721S	331.	13.50	122.	31.	10.	55.24
+	HYDROGRAPH AT	27-21	618.	12.58	171.	49.	16.	1.00
+	DIVERSION TO	D2721R	31.	12.58	4.	1.	0.	1.00
+	HYDROGRAPH AT	RET27	587.	12.58	167.	48.	16.	1.00
+	HYDROGRAPH AT	S83IW	182.	13.08	45.	11.	4.	57.03
+	ROUTED TO	R2721W	171.	13.58	45.	11.	4.	57.03
+	3 COMBINED AT	C27-21	785.	13.42	296.	82.	27.	65.57

+	DIVERSION TO	D2721W	235.	13.42	89.	25.	8.	65.57
+	HYDROGRAPH AT	D2721S	549.	13.42	207.	57.	19.	65.57
+	2 COMBINED AT	CTR7	761.	13.42	274.	74.	25.	66.67
+	DIVERSION TO	STR9S	437.	13.42	150.	38.	13.	66.67
+	HYDROGRAPH AT	STR9W	324.	13.42	124.	36.	12.	66.67
+	ROUTED TO	RTR14	320.	13.50	124.	36.	12.	66.67
+	HYDROGRAPH AT	D91IS	257.	13.25	196.	74.	26.	55.24
+	ROUTED TO	R91M	255.	13.42	195.	74.	26.	55.24
+	HYDROGRAPH AT	D2721W	235.	13.42	89.	25.	8.	65.57
+	2 COMBINED AT	C91G	489.	13.42	278.	98.	34.	65.57
+	DIVERSION TO	S91GW	67.	13.42	9.	2.	1.	65.57
+	HYDROGRAPH AT	S91GS	422.	13.42	269.	96.	33.	65.57
+	ROUTED TO	R91N	420.	13.58	268.	96.	33.	65.57
+	2 COMBINED AT	CTR91	739.	13.50	390.	132.	45.	66.67
+	DIVERSION TO	D91TR	561.	13.50	346.	120.	42.	66.67
+	HYDROGRAPH AT	DTR91	178.	13.50	45.	11.	4.	66.67
+	ROUTED TO	RTR15	174.	13.75	45.	11.	4.	66.67
+	HYDROGRAPH AT	SIS8S	302.	13.25	121.	31.	10.	59.10
+	ROUTED TO	R2821S	299.	13.58	119.	31.	10.	59.10
+	HYDROGRAPH AT	28-21	620.	12.58	148.	38.	13.	1.00
+	HYDROGRAPH AT	S91GW	67.	13.42	9.	2.	1.	65.57
+	ROUTED TO	R2821W	57.	13.83	9.	2.	1.	65.57

+	3 COMBINED AT	C28-21	620.	13.33	271.	71.	24.	70.44
+	DIVERSION TO	D2821W	353.	13.33	153.	40.	13.	70.44
+	HYDROGRAPH AT	D2821S	207.	13.33	90.	24.	8.	70.44
+	2 COMBINED AT	CTR8	361.	13.67	134.	35.	12.	70.44
+	DIVERSION TO	STR10S	102.	13.67	34.	9.	3.	70.44
+	HYDROGRAPH AT	STR10W	259.	13.67	100.	26.	9.	70.44
+	ROUTED TO	RTR16	256.	13.83	99.	26.	9.	70.44
+	HYDROGRAPH AT	D99IS	183.	13.33	81.	24.	8.	59.10
+	ROUTED TO	R99H	179.	13.58	81.	24.	8.	59.10
+	HYDROGRAPH AT	D2821W	353.	13.33	153.	40.	13.	70.44
+	2 COMBINED AT	C99D	523.	13.42	229.	64.	21.	70.44
+	DIVERSION TO	S99DW	189.	13.42	81.	21.	7.	70.44
+	HYDROGRAPH AT	S99DS	334.	13.42	148.	42.	14.	70.44
+	ROUTED TO	R99I	332.	13.58	147.	42.	14.	70.44
+	2 COMBINED AT	CTR99	580.	13.67	246.	68.	23.	70.44
+	DIVERSION TO	D99TR	145.	13.67	62.	17.	6.	70.44
+	HYDROGRAPH AT	DTR99	435.	13.67	185.	51.	17.	70.44
+	ROUTED TO	RTR17	434.	13.83	184.	51.	17.	70.44
+	HYDROGRAPH AT	SIS9S	338.	13.42	138.	39.	13.	60.83
+	ROUTED TO	R2921S	336.	13.58	137.	39.	13.	60.83
+	HYDROGRAPH AT	29-21N	396.	12.67	119.	30.	10.	0.76
+	HYDROGRAPH AT	S99DW	189.	13.42	81.	21.	7.	70.44

+	ROUTED TO	R2921W	188.	13.58	80.	21.	7.	70.44
+	3 COMBINED AT	C2921N	724.	13.50	304.	84.	28.	72.92
+	DIVERSION TO	D2921W	239.	13.50	100.	28.	9.	72.92
+	HYDROGRAPH AT	D2921S	485.	13.50	204.	56.	19.	72.92
+	2 COMBINED AT	CTR9	888.	13.58	384.	107.	36.	74.02
+	ROUTED TO	RES29S	607.	14.42	255.	71.	24.	74.02
+	HYDROGRAPH AT	D107IS	735.	13.50	309.	94.	32.	60.83
+	ROUTED TO	R107C	734.	13.58	309.	94.	32.	60.83
+	HYDROGRAPH AT	D2921W	239.	13.50	100.	28.	9.	72.92
+	2 COMBINED AT	C107B	960.	13.58	396.	120.	41.	72.92
+	ROUTED TO	RES29W	661.	14.42	324.	96.	32.	72.92
+	DIVERSION TO	D2921C	661.	14.42	324.	96.	32.	72.92
+	HYDROGRAPH AT	D2921B	0.	0.08	0.	0.	0.	72.92
+	ROUTED TO	R2921A	0.	0.08	0.	0.	0.	72.92
+	HYDROGRAPH AT	29-21S	144.	12.67	50.	14.	5.	0.26
+	3 COMBINED AT	C107C	645.	14.42	272.	83.	28.	74.28
+	DIVERSION TO	D107TR	226.	14.42	95.	29.	10.	74.28
+	HYDROGRAPH AT	DTR107	419.	14.42	177.	54.	18.	74.28
+	ROUTED TO	RTR18	417.	14.50	177.	54.	18.	74.28
+	HYDROGRAPH AT	30-21S	1003.	12.17	112.	30.	10.	0.75
+	DIVERSION TO	D3021X	701.	12.08	34.	9.	3.	0.75
+	HYDROGRAPH AT	RET30S	968.	12.25	81.	22.	7.	0.75

+	2 COMBINED AT	C3021S	840.	12.25	231.	70.	24.	75.03
+	DIVERSION TO	STR11S	495.	12.25	131.	37.	12.	75.03
+	HYDROGRAPH AT	STR11W	345.	12.25	100.	34.	11.	75.03
+	ROUTED TO	RTR19	268.	12.58	99.	34.	11.	75.03
+	DIVERSION TO	D115TR	115.	12.58	43.	14.	5.	75.03
+	HYDROGRAPH AT	DTR115	153.	12.58	56.	19.	6.	75.03
+	HYDROGRAPH AT	30-21N	907.	12.17	108.	31.	10.	0.67
+	DIVERSION TO	D3021R	744.	12.17	56.	15.	5.	0.67
+	HYDROGRAPH AT	RET30N	606.	12.42	57.	16.	5.	0.67
+	DIVERSION TO	D3021W	127.	12.42	12.	3.	1.	0.67
+	HYDROGRAPH AT	D3021S	479.	12.42	45.	13.	4.	0.67
+	HYDROGRAPH AT	D2921C	661.	14.42	324.	96.	32.	72.92
+	ROUTED TO	R3021W	658.	14.58	320.	96.	32.	72.92
+	2 COMBINED AT	C3021N	666.	14.58	325.	105.	35.	73.59
+	ROUTED TO	R3021R	665.	14.67	324.	105.	35.	73.59
+	HYDROGRAPH AT	D3021W	212.	13.33	81.	23.	8.	60.83
+	4 COMBINED AT	NULL8	7700.	14.17	4493.	1396.	500.	1.00
+	HYDROGRAPH AT	36-22	278.	12.17	50.	16.	5.	0.23
+	DIVERSION TO	D3622W	178.	12.17	32.	10.	3.	0.23
+	HYDROGRAPH AT	D3622S	100.	12.17	18.	6.	2.	0.23
+	HYDROGRAPH AT	D27TR	2514.	13.83	1103.	382.	216.	12.14
+	ROUTED TO	R27G	2502.	13.83	1102.	382.	216.	12.14

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+	HYDROGRAPH AT	D3622W	178.	12.17	32.	10.	3.	0.23
+	2 COMBINED AT	C27B	2494.	13.92	1122.	390.	219.	17.26
+	DIVERSION TO	S27BW	1215.	13.92	545.	184.	99.	17.26
+	HYDROGRAPH AT	S27BS	1230.	13.92	562.	203.	118.	17.26
+	ROUTED TO	R27H	1226.	14.00	561.	203.	118.	17.26
+	2 COMBINED AT	CMD27	1232.	14.00	573.	208.	120.	17.26
+	DIVERSION TO	D27MD	813.	14.00	405.	166.	106.	17.26
+	HYDROGRAPH AT	DMD27	418.	14.00	168.	42.	14.	17.26
+	ROUTED TO	RMD1	417.	14.17	167.	42.	14.	17.26
+	HYDROGRAPH AT	STR1S	745.	12.00	306.	163.	72.	0.39
+	ROUTED TO	R3522S	665.	12.25	306.	163.	72.	0.39
+	HYDROGRAPH AT	35-22	835.	12.50	222.	68.	23.	1.00
+	HYDROGRAPH AT	S27BW	1215.	13.92	545.	184.	99.	17.26
+	ROUTED TO	R3522W	1216.	14.17	542.	184.	99.	17.26
+	3 COMBINED AT	C35-22	1625.	14.17	1004.	405.	190.	18.65
+	DIVERSION TO	D3522W	331.	14.17	204.	59.	20.	18.65
+	HYDROGRAPH AT	D3522S	1294.	14.17	800.	346.	170.	18.65
+	2 COMBINED AT	CMD1	1708.	14.17	957.	389.	185.	18.65
+	DIVERSION TO	SMD1S	1330.	14.17	761.	331.	165.	18.65
+	HYDROGRAPH AT	SMD1W	378.	14.17	196.	58.	19.	18.65
+	ROUTED TO	RMD2	370.	14.33	195.	58.	19.	18.65
+	HYDROGRAPH AT	D35TR	265.	12.25	98.	37.	14.	0.47

+	ROUTED TO	R35K	246.	12.42	98.	37.	14.	0.47
+	HYDROGRAPH AT	D3522W	331.	14.17	204.	59.	20.	18.65
+	2 COMBINED AT	C35F	541.	12.42	300.	95.	33.	18.73
+	DIVERSION TO	S35EW	332.	12.42	160.	41.	14.	18.73
+	HYDROGRAPH AT	S35ES	209.	12.42	140.	53.	19.	18.73
+	ROUTED TO	R35L	205.	12.58	140.	53.	19.	18.73
+	2 COMBINED AT	CMD35	541.	14.33	335.	111.	38.	18.73
+	DIVERSION TO	D35MD	380.	14.33	242.	85.	30.	18.73
+	HYDROGRAPH AT	DMD35	161.	14.33	93.	26.	9.	18.73
+	ROUTED TO	RMD3	157.	14.75	93.	26.	9.	18.73
+	HYDROGRAPH AT	STR2S	896.	13.33	469.	179.	61.	12.14
+	ROUTED TO	R3422S	889.	13.67	468.	178.	61.	12.14
+	HYDROGRAPH AT	34-22	800.	12.50	219.	65.	22.	1.00
+	HYDROGRAPH AT	S35EW	332.	12.42	160.	41.	14.	18.73
+	ROUTED TO	R3422W	281.	13.58	151.	41.	14.	18.73
+	3 COMBINED AT	C34-22	1427.	13.50	790.	275.	93.	21.20
+	DIVERSION TO	D3422W	399.	13.50	170.	42.	14.	21.20
+	HYDROGRAPH AT	D3422S	1028.	13.50	620.	233.	79.	21.20
+	2 COMBINED AT	CMD2	1164.	13.50	709.	258.	87.	21.20
+	DIVERSION TO	SMD2S	1019.	13.50	639.	241.	81.	21.20
+	HYDROGRAPH AT	SMD2W	145.	13.50	70.	18.	6.	21.20
+	ROUTED TO	RMD4	142.	13.83	70.	18.	6.	21.20

+	HYDROGRAPH AT	D43TR	443.	13.83	226.	98.	33.	12.14
+	ROUTED TO	R43N	442.	13.92	226.	98.	33.	12.14
+	HYDROGRAPH AT	D3422W	399.	13.50	170.	42.	14.	21.20
+	2 COMBINED AT	C43G	794.	13.58	389.	138.	47.	21.20
+	DIVERSION TO	S431W	0.	0.08	0.	0.	0.	21.20
+	HYDROGRAPH AT	S431S	794.	13.58	389.	138.	47.	21.20
+	ROUTED TO	R43O	794.	13.67	389.	138.	47.	21.20
+	2 COMBINED AT	CMD43	930.	13.75	458.	156.	53.	21.20
+	DIVERSION TO	D43MD	930.	13.75	458.	156.	53.	21.20
+	HYDROGRAPH AT	DMD43	0.	0.08	0.	0.	0.	21.20
+	HYDROGRAPH AT	STR3S	663.	13.50	333.	100.	33.	19.96
+	HYDROGRAPH AT	STR4S	519.	13.50	258.	72.	24.	19.96
+	3 COMBINED AT	C3322N	1171.	13.50	587.	170.	57.	23.67
+	ROUTED TO	R3322S	1161.	13.67	584.	170.	57.	23.67
+	HYDROGRAPH AT	33-22	657.	12.67	194.	58.	19.	1.00
+	HYDROGRAPH AT	S431W	0.	0.08	0.	0.	0.	21.20
+	2 COMBINED AT	C33-22	657.	12.67	194.	58.	19.	24.67
+	DIVERSION TO	D3322W	178.	12.67	52.	16.	5.	24.67
+	HYDROGRAPH AT	D3322S	436.	12.67	128.	38.	13.	24.67
+	2 COMBINED AT	CMD3	1389.	13.58	700.	208.	69.	24.67
+	DIVERSION TO	SMD3S	695.	13.58	350.	104.	35.	24.67
+	HYDROGRAPH AT	SMD3W	695.	13.58	350.	104.	35.	24.67

+	DIVERSION TO	SMD4S	546.	13.58	273.	77.	26.	24.67
+	HYDROGRAPH AT	SMD4W	148.	13.58	77.	27.	9.	24.67
+	ROUTED TO	RMD5	146.	14.00	76.	27.	9.	24.67
+	HYDROGRAPH AT	D51TR	160.	13.67	84.	31.	10.	19.96
+	ROUTED TO	R51O	159.	13.83	84.	31.	10.	19.96
+	HYDROGRAPH AT	D3322W	178.	12.67	52.	16.	5.	24.67
+	2 COMBINED AT	C51F	252.	12.92	132.	46.	16.	24.67
+	DIVERSION TO	S51JW	0.	12.83	0.	0.	0.	24.67
+	HYDROGRAPH AT	S51JS	252.	12.92	132.	46.	16.	24.67
+	ROUTED TO	R51P	251.	13.00	131.	46.	16.	24.67
+	2 COMBINED AT	CMD51	375.	13.92	206.	73.	25.	24.67
+	DIVERSION TO	D51MD	362.	13.92	204.	73.	24.	24.67
+	HYDROGRAPH AT	DMD51	12.	13.92	2.	1.	0.	24.67
+	ROUTED TO	RMD6	10.	14.42	2.	1.	0.	24.67
+	HYDROGRAPH AT	STR5S	234.	12.42	55.	14.	5.	28.00
+	ROUTED TO	R3222S	206.	12.83	55.	14.	5.	28.00
+	HYDROGRAPH AT	32-22	671.	12.58	186.	55.	18.	1.00
+	HYDROGRAPH AT	S51JW	0.	12.83	0.	0.	0.	24.67
+	ROUTED TO	R3222W	0.	14.42	0.	0.	0.	24.67
+	3 COMBINED AT	C32-22	787.	12.75	222.	64.	21.	33.71
+	DIVERSION TO	D3222W	449.	12.75	127.	37.	12.	33.71
+	HYDROGRAPH AT	D3222S	339.	12.75	96.	28.	9.	33.71

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+	2 COMBINED AT	CMD4	339.	12.75	98.	28.	9.	33.71
+	DIVERSION TO	SMD5S	158.	12.75	40.	10.	3.	33.71
+	HYDROGRAPH AT	SMD5W	181.	12.75	57.	18.	6.	33.71
+	ROUTED TO	RMD7	178.	12.92	57.	18.	6.	33.71
+	HYDROGRAPH AT	D59TR	502.	12.67	342.	128.	43.	28.00
+	ROUTED TO	R59P	501.	12.75	342.	128.	43.	28.00
+	HYDROGRAPH AT	D3222W	449.	12.75	127.	37.	12.	33.71
+	2 COMBINED AT	C59H	947.	12.75	464.	163.	55.	33.71
+	DIVERSION TO	S59JW	362.	12.75	67.	17.	6.	33.71
+	HYDROGRAPH AT	S59JS	584.	12.75	397.	147.	50.	33.71
+	ROUTED TO	R59Q	584.	12.83	397.	147.	50.	33.71
+	2 COMBINED AT	CMD59	758.	12.92	454.	164.	56.	33.71
+	DIVERSION TO	D59MD	622.	12.92	420.	156.	53.	33.71
+	HYDROGRAPH AT	DMD59	137.	12.92	33.	8.	3.	33.71
+	ROUTED TO	RMD8	133.	13.08	33.	8.	3.	33.71
+	HYDROGRAPH AT	STR6S	685.	13.33	197.	51.	17.	37.13
+	ROUTED TO	R3122S	666.	13.50	196.	51.	17.	37.13
+	HYDROGRAPH AT	31-22	753.	12.50	177.	51.	17.	0.98
+	HYDROGRAPH AT	S59JW	362.	12.75	67.	17.	6.	33.71
+	ROUTED TO	R3122W	310.	13.42	67.	17.	6.	33.71
+	3 COMBINED AT	C31-22	1182.	13.50	408.	112.	37.	43.82
+	DIVERSION TO	D3122W	615.	13.50	212.	58.	19.	43.82

+	HYDROGRAPH AT	D3122S	567.	13.50	196.	54.	18.	43.82
+	2 COMBINED AT	CMD5	677.	13.42	228.	62.	21.	43.82
+	DIVERSION TO	SMD6S	218.	13.42	62.	16.	5.	43.82
+	HYDROGRAPH AT	SMD6W	459.	13.42	166.	46.	15.	43.82
+	ROUTED TO	RMD9	456.	13.58	166.	46.	15.	43.82
+	HYDROGRAPH AT	D67TR	479.	13.50	201.	68.	23.	37.13
+	ROUTED TO	R67P	477.	13.58	201.	68.	23.	37.13
+	HYDROGRAPH AT	D3122W	615.	13.50	212.	58.	19.	43.82
+	2 COMBINED AT	C67H	1080.	13.50	409.	125.	42.	43.82
+	DIVERSION TO	S67JW	386.	13.50	60.	15.	5.	43.82
+	HYDROGRAPH AT	S67JS	694.	13.50	350.	110.	37.	43.82
+	ROUTED TO	R67Q	692.	13.58	349.	110.	37.	43.82
+	2 COMBINED AT	CMD67	1148.	13.58	515.	156.	52.	43.82
+	DIVERSION TO	D67MD	895.	13.58	452.	141.	47.	43.82
+	HYDROGRAPH AT	DMD67	253.	13.58	63.	16.	5.	43.82
+	ROUTED TO	RMD10	246.	13.75	63.	16.	5.	43.82
+	HYDROGRAPH AT	STR7S	336.	12.50	70.	18.	6.	38.75
+	ROUTED TO	R3621S	304.	12.92	70.	18.	6.	38.75
+	HYDROGRAPH AT	36-21	682.	12.58	179.	52.	18.	1.00
+	HYDROGRAPH AT	S67JW	386.	13.50	60.	15.	5.	43.82
+	ROUTED TO	R3621W	321.	14.08	60.	15.	5.	43.82
+	3 COMBINED AT	C36-21	839.	12.83	282.	78.	26.	46.34

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+	DIVERSION TO	D3621W	252.	12.83	85.	23.	8.	46.34
+	HYDROGRAPH AT	D3621S	588.	12.83	197.	55.	18.	46.34
+	2 COMBINED AT	CMD6	680.	12.92	259.	70.	23.	46.43
+	DIVERSION TO	SMD7S	210.	12.92	77.	19.	6.	46.43
+	HYDROGRAPH AT	SMD7W	470.	12.92	182.	51.	17.	46.43
+	ROUTED TO	RMD11	468.	13.08	182.	51.	17.	46.43
+	HYDROGRAPH AT	D75TR	632.	12.67	369.	158.	54.	38.75
+	ROUTED TO	R75R	629.	12.75	368.	158.	54.	38.75
+	HYDROGRAPH AT	D3621W	252.	12.83	85.	23.	8.	46.34
+	2 COMBINED AT	C75H	869.	12.75	438.	178.	61.	46.34
+	DIVERSION TO	S75KW	114.	12.75	16.	4.	1.	46.34
+	HYDROGRAPH AT	S75KS	755.	12.75	422.	174.	60.	46.34
+	ROUTED TO	R75S	753.	12.92	421.	174.	60.	46.34
+	2 COMBINED AT	CMD75	1196.	13.00	600.	224.	76.	46.34
+	DIVERSION TO	D75MD	940.	13.00	533.	208.	71.	46.34
+	HYDROGRAPH AT	DMD75	256.	13.00	66.	17.	6.	46.34
+	ROUTED TO	RMD12	252.	13.17	66.	17.	6.	46.34
+	HYDROGRAPH AT	STR8S	180.	13.08	56.	14.	5.	41.28
+	ROUTED TO	R3521S	178.	13.25	56.	14.	5.	41.28
+	HYDROGRAPH AT	35-21	884.	12.42	161.	43.	14.	0.99
+	DIVERSION TO	D3521R	248.	12.42	45.	12.	4.	0.99
+	HYDROGRAPH AT	RET35	637.	12.42	116.	31.	10.	0.99

+	HYDROGRAPH AT	S75KW	114.	12.75	16.	4.	1.	46.34
+	ROUTED TO	R3521W	104.	13.17	16.	4.	1.	46.34
+	3 COMBINED AT	C35-21	637.	12.42	201.	55.	18.	58.41
+	DIVERSION TO	D3521W	235.	12.42	69.	18.	6.	58.41
+	HYDROGRAPH AT	D3521S	325.	12.42	95.	25.	8.	58.41
+	2 COMBINED AT	CMD7	523.	13.08	157.	41.	14.	58.41
+	DIVERSION TO	SMD8S	133.	13.08	37.	9.	3.	58.41
+	HYDROGRAPH AT	SMD8W	391.	13.08	120.	32.	11.	58.41
+	ROUTED TO	RMD13	383.	13.17	120.	32.	11.	58.41
+	HYDROGRAPH AT	D83TR	654.	13.17	373.	138.	47.	56.35
+	ROUTED TO	R83R	651.	13.25	373.	138.	47.	56.35
+	HYDROGRAPH AT	D3521W	235.	12.42	69.	18.	6.	58.41
+	2 COMBINED AT	C83I	826.	13.17	429.	155.	53.	66.13
+	DIVERSION TO	S83JW	239.	13.17	70.	18.	6.	66.13
+	HYDROGRAPH AT	S83JS	587.	13.17	358.	137.	47.	66.13
+	ROUTED TO	R83S	585.	13.25	358.	137.	47.	66.13
+	2 COMBINED AT	CMD83	963.	13.25	474.	168.	57.	66.13
+	DIVERSION TO	D83MD	515.	13.25	330.	132.	45.	66.13
+	HYDROGRAPH AT	DMD83	448.	13.25	144.	36.	12.	66.13
+	ROUTED TO	RMD14	445.	13.33	143.	36.	12.	66.13
+	HYDROGRAPH AT	STR9S	437.	13.42	150.	38.	13.	66.67
+	ROUTED TO	R3421S	425.	13.75	149.	38.	13.	66.67

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+	HYDROGRAPH AT	34-21	690.	12.58	185.	52.	18.	1.01
+	HYDROGRAPH AT	S83JW	239.	13.17	70.	18.	6.	66.13
+	ROUTED TO	R3421W	234.	13.50	70.	18.	6.	66.13
+	3 COMBINED AT	C34-21	883.	13.58	368.	99.	33.	75.40
+	DIVERSION TO	D3421W	486.	13.58	202.	55.	18.	75.40
+	HYDROGRAPH AT	D3421S	397.	13.58	165.	45.	15.	75.40
+	2 COMBINED AT	CMD8	825.	13.33	305.	80.	27.	75.40
+	DIVERSION TO	SMD9S	227.	13.33	81.	20.	7.	75.40
+	HYDROGRAPH AT	SMD9W	598.	13.33	224.	60.	20.	75.40
+	ROUTED TO	RMD15	596.	13.50	223.	60.	20.	75.40
+	HYDROGRAPH AT	D91TR	561.	13.50	346.	120.	42.	66.67
+	ROUTED TO	R91O	560.	13.67	345.	120.	42.	66.67
+	HYDROGRAPH AT	D3421W	486.	13.58	202.	55.	18.	75.40
+	2 COMBINED AT	C91H	1040.	13.58	535.	174.	60.	75.40
+	DIVERSION TO	S91HW	203.	13.58	58.	15.	5.	75.40
+	HYDROGRAPH AT	S91HS	837.	13.58	477.	160.	55.	75.40
+	ROUTED TO	R91P	834.	13.67	477.	160.	55.	75.40
+	2 COMBINED AT	CMD91	1415.	13.67	699.	219.	75.	75.40
+	DIVERSION TO	D91MD	980.	13.67	557.	184.	63.	75.40
+	HYDROGRAPH AT	DMD91	435.	13.67	142.	36.	12.	75.40
+	ROUTED TO	RMD16	432.	13.83	142.	36.	12.	75.40
+	HYDROGRAPH AT	STR10S	102.	13.67	34.	9.	3.	70.44

+	ROUTED TO	R3321S	100.	13.92	34.	9.	3.	70.44
+	HYDROGRAPH AT	33-21	588.	12.67	159.	41.	14.	0.99
+	HYDROGRAPH AT	S91HW	203.	13.58	58.	15.	5.	75.40
+	ROUTED TO	R3321W	200.	13.92	58.	15.	5.	75.40
+	3 COMBINED AT	C33-21	588.	13.33	239.	61.	20.	81.26
+	DIVERSION TO	D3321W	335.	13.33	137.	35.	12.	81.26
+	HYDROGRAPH AT	D3321S	205.	13.33	84.	21.	7.	81.26
+	ROUTED TO	RES33	0.	17.92	0.	0.	0.	81.26
+	2 COMBINED AT	CMD9	432.	13.83	142.	36.	12.	81.26
+	DIVERSION TO	SMD10S	194.	13.83	62.	15.	5.	81.26
+	HYDROGRAPH AT	SMD10W	234.	13.83	79.	20.	7.	81.26
+	ROUTED TO	RMD16A	233.	14.00	79.	20.	7.	81.26
+	HYDROGRAPH AT	D99TR	145.	13.67	62.	17.	6.	70.44
+	ROUTED TO	R99J	143.	14.00	61.	17.	6.	70.44
+	HYDROGRAPH AT	D3321W	335.	13.33	137.	35.	12.	81.26
+	2 COMBINED AT	C99E	435.	13.75	194.	52.	17.	81.26
+	DIVERSION TO	S99EW	157.	13.75	67.	17.	6.	81.26
+	HYDROGRAPH AT	S99ES	278.	13.75	127.	35.	12.	81.26
+	ROUTED TO	R99K	277.	13.92	126.	35.	12.	81.26
+	2 COMBINED AT	CMD99	509.	13.92	205.	55.	18.	81.26
+	DIVERSION TO	D99MD	366.	13.92	147.	39.	13.	81.26
+	HYDROGRAPH AT	DMD99	142.	13.92	57.	15.	5.	81.26

+	ROUTED TO	RMD17	142.	14.17	57.	15.	5.	81.26
+	HYDROGRAPH AT	32-21E	239.	12.33	42.	11.	4.	0.24
+	HYDROGRAPH AT	S99EW	157.	13.75	67.	17.	6.	81.26
+	2 COMBINED AT	C3221E	285.	12.50	101.	26.	9.	81.50
+	ROUTED TO	RES32E	197.	13.00	71.	18.	6.	81.50
+	HYDROGRAPH AT	32-21W	694.	12.42	118.	31.	10.	0.77
+	2 COMBINED AT	C3221W	588.	12.42	168.	43.	14.	82.27
+	DIVERSION TO	D3221W	552.	12.42	158.	41.	14.	82.27
+	HYDROGRAPH AT	D3221S	35.	12.42	10.	3.	1.	82.27
+	2 COMBINED AT	CMD10	152.	14.08	66.	18.	6.	82.27
+	DIVERSION TO	SMD11S	39.	14.08	14.	4.	1.	82.27
+	HYDROGRAPH AT	SMD11W	113.	14.08	52.	14.	5.	82.27
+	ROUTED TO	RMD18	112.	14.25	52.	14.	5.	82.27
+	HYDROGRAPH AT	D107TR	226.	14.42	95.	29.	10.	74.28
+	HYDROGRAPH AT	D3221W	552.	12.42	158.	41.	14.	82.27
+	2 COMBINED AT	C107D	588.	12.42	247.	69.	23.	85.02
+	DIVERSION TO	S107BW	0.	12.25	0.	0.	0.	85.02
+	HYDROGRAPH AT	S107BS	588.	12.42	247.	69.	23.	85.02
+	ROUTED TO	R107D	586.	12.42	247.	69.	23.	85.02
+	2 COMBINED AT	CMD107	601.	12.42	298.	83.	28.	85.02
+	DIVERSION TO	D107MD	601.	12.42	298.	83.	28.	85.02
+	HYDROGRAPH AT	DMD107	0.	0.08	0.	0.	0.	85.02

+	ROUTED TO	RMD19	0.	0.08	0.	0.	0.	85.02
+	HYDROGRAPH AT	STR11S	495.	12.25	131.	37.	12.	75.03
+	ROUTED TO	R3121S	408.	12.58	128.	37.	12.	75.03
+	HYDROGRAPH AT	31-21	533.	12.58	129.	32.	11.	0.96
+	HYDROGRAPH AT	S107BW	0.	12.25	0.	0.	0.	85.02
+	3 COMBINED AT	C31-21	839.	12.58	226.	62.	21.	86.73
+	DIVERSION TO	D3121W	503.	12.58	135.	37.	12.	86.73
+	HYDROGRAPH AT	D3121S	336.	12.58	90.	25.	8.	86.73
+	2 COMBINED AT	CMD11	336.	12.58	90.	25.	8.	86.73
+	DIVERSION TO	SMD12S	86.	12.58	20.	5.	2.	86.73
+	HYDROGRAPH AT	SMD12W	249.	12.58	71.	20.	7.	86.73
+	ROUTED TO	RMD20	227.	12.75	70.	20.	7.	86.73
+	HYDROGRAPH AT	D115TR	115.	12.58	43.	14.	5.	75.03
+	ROUTED TO	R115A	86.	12.83	42.	14.	5.	75.03
+	HYDROGRAPH AT	D3121W	503.	12.58	135.	37.	12.	86.73
+	2 COMBINED AT	C115A	543.	12.67	175.	52.	17.	86.73
+	DIVERSION TO	S115AW	178.	12.67	54.	14.	5.	86.73
+	HYDROGRAPH AT	S115AS	366.	12.67	121.	37.	12.	86.73
+	ROUTED TO	R115B	351.	12.83	120.	37.	12.	86.73
+	2 COMBINED AT	CMD115	575.	12.83	191.	57.	19.	86.73
+	DIVERSION TO	D115MD	339.	12.83	112.	34.	11.	86.73
+	HYDROGRAPH AT	DMD115	236.	12.83	78.	23.	8.	86.73

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+	ROUTED TO	RMD21	225.	13.00	77.	23.	8.	86.73
+	HYDROGRAPH AT	36-W21	748.	12.33	112.	33.	11.	0.84
+	HYDROGRAPH AT	S115AW	178.	12.67	54.	14.	5.	86.73
+	ROUTED TO	R3621A	163.	12.83	54.	14.	5.	86.73
+	2 COMBINED AT	C36W21	748.	12.33	177.	52.	17.	87.57
+	DIVERSION TO	D36S21	417.	12.33	94.	27.	9.	87.57
+	HYDROGRAPH AT	D36W21	215.	12.33	48.	14.	5.	87.57
+	2 COMBINED AT	CMD12	329.	13.00	122.	37.	13.	87.57
+	DIVERSION TO	SMD13S	118.	13.00	39.	10.	3.	87.57
+	HYDROGRAPH AT	SMD13W	211.	13.00	83.	28.	9.	87.57
+	ROUTED TO	RMD22	196.	13.25	83.	28.	9.	87.57
+	HYDROGRAPH AT	D36S21	417.	12.33	94.	27.	9.	87.57
+	3 COMBINED AT	NULL9	7856.	14.08	4711.	1465.	524.	1.00
+	HYDROGRAPH AT	D27MD	813.	14.00	405.	166.	106.	17.26
+	HYDROGRAPH AT	1-12	171.	12.08	23.	8.	3.	0.10
+	2 COMBINED AT	C1-12	820.	14.00	420.	173.	108.	17.36
+	DIVERSION TO	DA1IO	131.	11.67	131.	99.	84.	17.36
+	HYDROGRAPH AT	DI10A	689.	14.00	289.	74.	25.	17.36
+	ROUTED TO	R212W	690.	14.25	286.	74.	25.	17.36
+	HYDROGRAPH AT	D35MD	380.	14.33	242.	85.	30.	18.73
+	HYDROGRAPH AT	SMD1S	1330.	14.17	761.	331.	165.	18.65
+	ROUTED TO	R212S	1310.	14.33	760.	331.	165.	18.65

+	HYDROGRAPH AT	2-12	277.	12.25	54.	17.	6.	0.23
+	4 COMBINED AT	C2-12	2366.	14.33	1315.	505.	225.	19.06
+	DIVERSION TO	DBI10	0.	14.25	0.	0.	0.	19.06
+	HYDROGRAPH AT	DI10B	2366.	14.33	1315.	505.	225.	19.06
+	ROUTED TO	R312W	2376.	14.50	1314.	505.	225.	19.06
+	HYDROGRAPH AT	D43MD	930.	13.75	458.	156.	53.	21.20
+	HYDROGRAPH AT	SMD2S	1019.	13.50	639.	241.	81.	21.20
+	ROUTED TO	R312S	1010.	13.75	638.	241.	81.	21.20
+	HYDROGRAPH AT	3-12	162.	12.58	52.	16.	5.	0.24
+	4 COMBINED AT	C3-12	3823.	14.42	2440.	911.	362.	21.77
+	DIVERSION TO	DC11O	207.	4.17	207.	206.	127.	21.77
+	HYDROGRAPH AT	DI10C	3616.	14.42	2233.	705.	235.	21.77
+	ROUTED TO	R412W	3583.	14.58	2232.	705.	235.	21.77
+	HYDROGRAPH AT	D51MD	362.	13.92	204.	73.	24.	24.67
+	HYDROGRAPH AT	SMD4S	546.	13.58	273.	77.	26.	24.67
+	HYDROGRAPH AT	SMD3S	695.	13.58	350.	104.	35.	24.67
+	2 COMBINED AT	C4-12	1241.	13.58	623.	181.	60.	24.67
+	ROUTED TO	R412S	1235.	13.75	621.	181.	60.	24.67
+	HYDROGRAPH AT	4-12	277.	12.17	39.	10.	3.	0.22
+	4 COMBINED AT	CI1051	5028.	13.75	3054.	960.	320.	25.45
+	DIVERSION TO	DDI10	0.	0.08	0.	0.	0.	25.45
+	HYDROGRAPH AT	DI10D	5028.	13.75	3054.	960.	320.	25.45

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+	HYDROGRAPH AT	SMD10S	194.	13.83	62.	15.	5.	81.26
+	ROUTED TO	R411S	193.	14.00	62.	15.	5.	81.26
+	HYDROGRAPH AT	4-11	71.	12.83	27.	7.	2.	0.18
+	4 COMBINED AT	C4-11	9541.	13.50	5598.	1838.	619.	83.11
+	DIVERSION TO	DJI10	0.	0.08	0.	0.	0.	83.11
+	HYDROGRAPH AT	DI10J	9541.	13.50	5598.	1838.	619.	83.11
+	ROUTED TO	R511W	9540.	13.58	5596.	1838.	619.	83.11
+	HYDROGRAPH AT	D107MD	601.	12.42	298.	83.	28.	85.02
+	HYDROGRAPH AT	SMD11S	39.	14.08	14.	4.	1.	82.27
+	ROUTED TO	R511S	38.	14.42	14.	4.	1.	82.27
+	HYDROGRAPH AT	5-11	74.	12.83	28.	7.	2.	0.18
+	4 COMBINED AT	C5-11	9917.	13.58	5871.	1926.	648.	87.05
+	DIVERSION TO	DKI10	0.	0.08	0.	0.	0.	87.05
+	HYDROGRAPH AT	DI10K	9917.	13.58	5871.	1926.	648.	87.05
+	ROUTED TO	R611W	9903.	13.67	5869.	1925.	648.	87.05
+	HYDROGRAPH AT	D115MD	339.	12.83	112.	34.	11.	86.73
+	HYDROGRAPH AT	SMD12S	86.	12.58	20.	5.	2.	86.73
+	ROUTED TO	R611S	76.	12.83	20.	5.	2.	86.73
+	HYDROGRAPH AT	6-11	87.	12.75	30.	8.	3.	0.22
+	4 COMBINED AT	C6-11	10121.	13.58	6007.	1968.	663.	88.99
+	DIVERSION TO	DLI10	0.	0.08	0.	0.	0.	88.99
+	HYDROGRAPH AT	DI10L	10121.	13.58	6007.	1968.	663.	88.99

+	ROUTED TO	R1W11W	10110.	13.67	6005.	1968.	663.	88.99
+	HYDROGRAPH AT	SMD13S	118.	13.00	39.	10.	3.	87.57
+	ROUTED TO	R1W11S	109.	13.25	38.	10.	3.	87.57
+	HYDROGRAPH AT	1-W11	170.	12.67	60.	18.	6.	0.37
+	3 COMBINED AT	C1-W11	10264.	13.67	6074.	1990.	670.	90.19
+	ROUTED TO	R1W11A	10255.	13.75	6074.	1990.	670.	90.19
+	HYDROGRAPH AT	2-W11	53.	12.25	11.	3.	1.	0.09
+	2 COMBINED AT	C2-W11	10262.	13.75	6077.	1992.	671.	90.28
+	2 COMBINED AT	NULL10	20354.	14.08	12018.	3866.	1333.	1.00

*** NORMAL END OF HEC-1 ***

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