GREENBELT 12-5-77

A111.906

Property of
Flood Control District of MC Library
Please Return to
2801 W. Durango
Phoenix, AZ 85009

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12.35.53. BACAE03.  05 DEC 77   7600Z  BKY24A V4   BAC      NORM          803643 BE061304J1
12.35.53. BACAE03. BAC,P3,T60,CM170000,803643,BE061304J10KA00
12.35.53. BACAE03. *INPUT 6600B 12.34.35. 05 DEC 77  VIA COKE
12.35.53. BACAE03.  COPY(INPUT,1R,CONTROL/BR)
12.35.53. BACAE03.   CONTROL DISK 1
12.35.53. BACAE03. (RETURN BY COURIER
12.35.53. BACAE03. (CORPS OF ENGINEERS LA
12.35.53. BACAE03. FETCHPS,HECLIB,HEC2,HEC2.
12.35.55. BACAE03.   HEC2     DISK 1
12.35.57. BACAE03.  HEC2          24913 WORDS COPIED FROM CACHE.
12.35.58. BACAE03.   CACHE22 RETURNED      10 BLD, BS= 00403,FS=143022B
12.35.58. BACAE03.   TAPEPAC RETURNED       0 BLD, BS= 0002B,FS=000000B
12.35.58. BACAE03. HEC2.
12.36.01. BACAE03.   ZZZZZLS DISK 1
12.36.01. BACAE03.   ZZZZZLS RETURNED       0 BLD, BS= 0040B,FS=000000B
12.36.54. BACAE03.   DBGMAP  DISK 1
12.37.51. BACAE03.   OUTPUT  DISK 1
12.37.52. BACAE03.   DBGMAP  UNLOADED       1 BLD, BS= 0040B,FS=000002B
12.37.52. BACAE03.   HEC2    UNLOADED       4 BLD, BS= 0040B,FS=000061B
12.37.52. BACAE03.   MNF4LIB UNLOADED       1 BLD, BS= 0010B,FS=000007B
12.37.52. BACAE03.   FTN4LIB UNLOADED       1 BLD, BS= 0120B,FS=000117B
12.37.52. BACAE03.  LOAD COMPLETE, LINK 8.4.
12.37.52. BACAE03.    TIME---       119 MSEC.
12.37.52. BACAE03.    MEMORY-       LOAD    105600,  EXECUTE     77000.
12.37.52. BACAE03.  FLS=077K  FLL=0000K  LCM BUFFERS=0046K  TOTAL LCM=0145K
12.37.52. BACAE03.   BEGIN=  HEC2      USING =
12.37.52. BACAE03.          MNF4 LIBRARY VERSION 2.5
12.37.52. BACAE03.          FTN4 LIBRARY 7600-L439/77117.12.31
12.37.52. BACAE03.  FIELD LENGTH RESET =            0000000000032832
12.37.52. BACAE03. BN;
12.37.52. BACAE03.   TAPE92  DISK 1
12.37.52. BACAE03.   TAPE93  DISK 1
12.37.52. BACAE03.   TAPE94  DISK 1
12.37.52. BACAE03.   TAPE91  DISK 1
12.37.56. BACAE03.   TAPE95  DISK 1
12.37.58. BACAE03.   TAPE96  DISK 1
12.37.59. BACAE03.  FLS=101K  FLL=0000K  LCM BUFFERS=0346K  TOTAL LCM=0447K
12.37.59. BACAE03.     STOP
12.37.59. BACAE03.       2.688 CP SECONDS EXECUTION TIME
12.37.59. BACAE03.   LINK    RETURNED       1 BLD, BS= 0012B,FS=000012B
12.37.59. BACAE03.   MNF4LIB RETURNED       1 BLD, BS= 0010B,FS=000007B
12.37.59. BACAE03.   FTN4LIB RETURNED       1 BLD, BS= 0120B,FS=000117B
12.37.59. BACAE03. DISPOSE(TAPE92=PR)
12.38.00. BACAE03.  FLS=170K  FLL=0000K  LCM BUFFERS=0374K  TOTAL LCM=0564K
12.38.00. BACAE03.   TAPE92  UNLOADED       1 BLD, BS= 0040B,FS=000001B
12.38.00. BACAE03.   TAPE92  QUEUED PR      1 BLD, BS= 0040B,FS=000001B
12.38.00. BACAE03. EXIT.
12.38.00. BACAE03.  SKIP PAST FIN.     CARD
12.38.00. BACAE03.   OUTPUT  QUEUED PR      4 BLD, BS= 0020B,FS=000070B
12.38.00. BACAE03. *J LF1234G   803643N 05DEC77RZ N 000021BN;        BE061304J1
12.38.00. BACAE03.  ............................
12.38.00. BACAE03.  SECTORS TRANSFERRED        311
12.38.00. BACAE03.  MAX DISK SECTORS           570
12.38.00. BACAE03.  CP SECONDS                2.815
12.38.00. BACAE03.  SYSTEM SECONDS            0.383
12.38.00. BACAE03.  OLD BLD"S                   13
12.38.00. BACAE03.  LCM BUFFER LOADS            16
12.38.00. BACAE03.  ITO CUS                      3
12.38.00. BACAE03.  KWORDS XFERRED             122
12.38.00. BACAE03.  CIO CALLS                  849
12.38.00. BACAE03.  STAGING CUS                  0
12.38.00. BACAE03.  ............................
12.38.00. BACAE03.  TOTAL JOB CUS               21
12.38.00. BACAE03.  COST + OVERHEAD   $       1.95
12.38.00. BACAE03.  ............................

12.40.45. BACAE03.  TAPE92  QUEUED PR 2
12.40.57. BACAE03.  OUTPUT  QUEUED PR 444
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FL REQUIRED TO LOAD 105600
FL REQUIRED TO RUN 76200
INITIAL TRANSFER TO HEC2 - 5227

BLOCK ASSIGNMENTS.

BLOCK	ADDRESS	LENGTH	FILE
/CONTRL/	100	17	
/QJOBSFL/	117	2	
/SIZE/	121	1	
HEC2	122	5240	HEC2
/DOUBLE/	5362	10	
/NAMES/	5372	202	
H2MAIN	5574	15440	HEC2
ADDPTS	23234	376	HEC2
BLFLO	23632	1073	HEC2
BLOCK	24725	321	HEC2
BWEIR	25246	1464	HEC2
CARD	26732	2461	HEC2
CHIMP	31413	1755	HEC2
DC	33370	737	HEC2
DONE	34327	102	HEC2
FLDHAZ	34431	2254	HEC2
FLODIS	36705	503	HEC2
BK.	37410	0	HEC2
NEAR	37410	33	HEC2
PRIAR	37443	257	HEC2
PROF	37722	1224	HEC2
SCALE	41146	314	HEC2
SLAFA	41462	271	HEC2
SUMPO	41753	2774	HEC2
XSEC	44747	1401	HEC2
YCRIT	46350	216	HEC2
MAPIT	46566	74	HEC2
QVAR	46662	43	HEC2
SAVEIT	46725	52	HEC2
/IOCOM./	46777	27	
INITBI.	47026	40	MNF4LIB
INITBO.	47066	33	MNF4LIB
INPUB=	47121	51	MNF4LIB
INPUT$	47172	121	MNF4LIB
IOFLAG.	47313	3	MNF4LIB
OUTPUB=	47316	14	MNF4LIB
OUTPUT$	47332	65	MNF4LIB
/.GCOMP./	47417	1	
QBNTR=	47420	51	MNF4LIB
RTOR=	47471	147	MNF4LIB
CIO=	47640	13	FTN4LIB
CLOCK=	47653	44	FTN4LIB
/IO.BUF./	47717	227	
DISPLA	50146	171	FTN4LIB

BLOCK ASSIGNMENTS.

BLOCK	ADDRESS	LENGTH	FILE
ENDFIL=	50337	70	FTN4LIB
ERMSS	50427	1511	FTN4LIB
/QR.IO./	52140	246	
/FCL.C./	52406	21	
/QLINLMT/	52427	1	
/QASAFLG/	52430	1	

BLOCK ASSIGNMENTS.

BLOCK	ADDRESS	LENGTH	FILE
ENDFIL=	50337	70	FTN4LIB
ERMSS	50427	1511	FTN4LIB
/QP.IO./	52140	246	
/FCL.C./	52406	21	
/QLINLMT/	52427	1	
/QASAFLG/	52430	1	
/STP.END/	52431	1	
FORSYS=	52432	763	FTN4LIB
/GOVERL:/	53415	1	
FORUTL=	53416	16	FTN4LIB
GETFIT=	53434	43	FTN4LIB
HOURS	53477	14	FTN4LIB
RDL=	53513	37	FTN4LIB
RDO=	53552	23	FTN4LIB
RDW=	53575	107	FTN4LIB
REMARK	53704	3	FTN4LIB
REWIND=	53707	53	FTN4LIB
/QFILEAD/	53762	1	
SETFLS	53763	31	FTN4LIB
SORT	54014	46	FTN4LIB
SYSAID=	54062	1	FTN4LIB
SYS=	54063	34	FTN4LIB
SYS=1ST	54117	62	FTN4LIB
WTH=	54201	30	FTN4LIB
WTL=	54231	27	FTN4LIB
WTW=	54260	66	FTN4LIB
BADARG=	54346	11	MNF4LIB
FTN4LIB	54357	0	FTN4LIB
COMIO=	54357	61	FTN4LIB
EOF	54440	52	FTN4LIB
FECMSK=	54512	41	FTN4LIB
FLTIN=	54553	156	FTN4LIB
FLTOUT=	54731	315	FTN4LIB
FMTAP=	55246	372	FTN4LIB
INCOM=	55640	262	FTN4LIB
INPP=	56122	363	FTN4LIB
INPC=	56505	246	FTN4LIB
KODER=	56753	467	FTN4LIB
KRAKER=	57442	435	FTN4LIB
OUTP=	60077	277	FTN4LIB
OUTCOM=	60376	204	FTN4LIB
OUTC=	60602	235	FTN4LIB
UZERO..	61037	2	FTN4LIB
//	61041	15045	

OCTOBER 1977 . . . . NEW HEC-2 ERROR 02,MOD. 53

THE FILE YOU HAVE JUST ACCESSED IS THE MOST RECENT VERSION OF HEC-2.
DETAILS OF THIS VERSION MAY BE OBTAINED FROM THE HEC INFO FILE.
INFORMATION ON GAINING ACCESS TO THE PREVIOUS HEC2 (VERSION JUNE 1973)
IS ALSO CONTAINED IN THE INFO FILE. CONTROL CARDS FOR OBTAINING
THE HEC INFO FILE ARE:

(JOB CARD)

THE FILE YOU HAVE JUST ACCESSED IS THE MOST RECENT VERSION OF HEC-2.
DETAILS OF THIS VERSION MAY BE OBTAINED FROM THE HEC INFO FILE.
INFORMATION ON GAINING ACCESS TO THE PREVIOUS HEC2 (VERSION JUNE 1973)
IS ALSO CONTAINED IN THE INFO FILE. CONTROL CARDS FOR OBTAINING
THE HEC INFO FILE ARE:

```
(JOB CARD)
*NOSTAGE
FETCHPS,HECLIB,INFO,INFO,
COPY,INFO,OUTPUT,
(JOB DECK TERMINATOR)
```

THIS RUN EXECUTED 05 DEC 77 12.37.52

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**************************************************
 HEC2 RELEASE DATED NOV 76 UPDATED  AUG1977
 ERROR CORR =  01,02
 MODIFICATION =  50,51,52,53
**************************************************
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THIS RUN EXECUTED 05 DEC 77 12.37.52

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*************************************************
 HEC2 RELEASE DATED NOV 76 UPDATED  AUG1977
 ERROR CORR =  01,02
 MODIFICATION =  50,51,52,53
*************************************************

C
T1   INDIAN BEND WASH  GREENBELT  CHANNEL
T2        WITH RECREATION PARKS (CE)
T3        PRE. PLANS PROP.BRIDGES AND SCHRADER GOLF COURSE

J1  ICHECK     INQ       NINV      IDIR      STRT     METRIC    HVINS     Q        WSEL      FQ

     -1.        0.        0.        0.  -1.000000    0.00      0.0    30000.   196.000    0.000

J2  NPROF     IPLOT     PRFVS     XSECV     XSECH      FN      ALLOC     IBW      CHNIM     ITRACE

    -1.000    0.000    -1.000     0.000     0.000    0.000    0.000    0.000    0.000    15.000

QT      1.000  30000.000     0.000     0.000     0.000     0.000     0.000     0.000     0.000     0.000
NC       .080      .080      .035      .200      .400     0.000     0.000     0.000     0.000     0.000

         STA.    11061   ALONG CENTERLINE DROP STRUCTURE

X1  11061.000     8.000     0.000   484.000     0.000     0.000     0.000     0.000     0.000     0.000
GR    200.000     0.000   192.000    32.000   190.000   224.000   186.000   232.000   186.000   252.000
GR    190.000   260.000   192.000   452.000   200.000   484.000     0.000     0.000     0.000     0.000

X1  11111.000     6.000     0.000   676.000    50.000    50.000    50.000     0.000     0.000     0.000
GR    200.000     0.000   192.000    32.000   192.000   580.000   195.000   655.000   196.000   666.000
GR    200.000   676.000     0.000     0.000     0.000     0.000     0.000     0.000     0.000     0.000
NC       .040      .040      .040      .200      .400     0.000     0.000     0.000     0.000     0.000

X1  11161.000     6.000     0.000   658.000    50.000    50.000    50.000     0.000     0.000     0.000
GR    196.000     0.000   194.000    20.000   192.000    50.000   192.000   630.000   193.000   641.000
GR    200.000   658.000     0.000     0.000     0.000     0.000     0.000     0.000     0.000     0.000
NC       .040      .040      .030      .200      .400     0.000     0.000     0.000     0.000     0.000

X1  11300.000    10.000    25.000   480.000   150.000   150.000   139.000     0.000     0.000     0.000
GR    198.000     0.000   194.000    25.000   192.000   120.000   190.000   240.000   190.000   255.000
GR    190.000   415.000   190.000   425.000   192.000   480.000   192.000   500.000   200.000   532.000

X1  11500.000     9.000   150.000   498.000   200.000   200.000   200.000     0.000     0.000     0.000
GR    198.000     0.000   194.000    32.000   192.000    90.000   190.000   145.000   190.000   150.000
GR    190.000   498.000   190.000   500.000   192.000   530.000   200.000   562.000     0.000     0.000
NC       .040      .040      .040      .200      .400     0.000     0.000     0.000     0.000     0.000

X1  11800.000    14.000   190.000   510.000   300.000   300.000   300.000     0.000     0.000     0.000
GR    199.000     0.000   194.000    40.000   192.000   165.000   190.000   180.000   190.000   190.000
GR    190.000   260.000   190.000   270.000   192.000   380.000   194.000   510.000   194.500   640.000
GR    196.000   690.000   198.000   710.000   199.000   744.000   200.000   750.000     0.000     0.000

         BACKSTOP  FENCE AT    119+30  BLOCKED OUT

X1  11930.000    14.000   210.000   495.000   120.000   160.000   130.000     0.000     0.000     0.000
GR    200.000     0.000   194.000    40.000   192.000    80.000   190.000   210.000   192.000   295.000
GR    194.000   485.000   194.600   495.000   220.000   495.000   220.000   610.000   194.700   610.000
GR    196.000   710.000   200.000   750.000   202.000   770.000   204.000  1040.000     0.000     0.000

X1  12100.000    15.000   140.000   440.000   170.000   210.000   180.000     0.000     0.000     0.000
GR    200.000     0.000   194.000    30.000   192.000   140.000   192.000   240.000   194.000   400.000
GR    196.000   440.000   196.200   530.000   196.000   650.000   198.000   710.000   200.000   740.000
GR    202.000   770.000   204.000   810.000   204.500   860.000   204.000   970.000   204.000  1140.000
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GR	200.000	0.000	194.000	40.000	192.000	80.000	190.000	210.000	192.000	295.000
GR	194.000	485.000	194.600	495.000	220.000	495.000	220.000	610.000	194.700	610.000
GR	196.000	710.000	200.000	750.000	202.000	770.000	204.000	1040.000	0.000	0.000
X1	12100.000	15.000	140.000	440.000	170.000	210.000	180.000	0.000	0.000	0.000
GR	200.000	0.000	194.000	30.000	192.000	140.000	192.000	240.000	194.000	400.000
GR	196.000	440.000	196.200	530.000	196.000	650.000	198.000	710.000	200.000	740.000
GR	202.000	770.000	204.000	810.000	204.500	860.000	204.000	970.000	204.000	1140.000

BACKSTOP FENCE A 124+00 BLOCKED OUT

X1	12400.000	19.000	235.000	390.000	300.000	300.000	300.000	0.000	0.000	0.000
GR	202.000	0.000	200.000	15.000	196.000	65.000	194.000	130.000	194.000	165.000
GR	192.000	235.000	192.000	290.000	192.000	295.000	192.000	340.000	192.000	350.000
GR	194.000	380.000	196.000	390.000	196.100	460.000	220.000	460.000	220.000	510.000
GR	196.100	510.000	198.000	800.000	204.000	880.000	204.300	1110.000	0.000	0.000
NC	.100	.045	.040	.200	.400	0.000	0.000	0.000	0.000	0.000
X1	12700.000	24.000	415.000	790.000	200.000	360.000	300.000	0.000	0.000	0.000
GR	206.000	0.000	204.000	105.000	202.000	120.000	202.000	320.000	200.000	340.000
GR	198.000	350.000	194.000	415.000	194.000	420.000	194.000	535.000	194.000	540.000
GR	194.000	600.000	194.000	630.000	196.000	670.000	198.000	790.000	200.000	980.000
GR	200.000	1040.000	200.000	1170.000	202.000	1200.000	204.000	1280.000	206.000	1380.000
GR	204.000	1385.000	204.000	1435.000	204.000	1435.000	204.500	1440.000	0.000	0.000
X1	13000.000	20.000	210.000	650.000	300.000	300.000	300.000	0.000	0.000	0.000
GR	209.000	0.000	208.000	35.000	202.000	55.000	200.000	70.000	198.000	130.000
GR	196.000	210.000	194.000	237.000	194.000	260.000	196.000	425.000	198.000	480.000
GR	199.000	650.000	200.000	780.000	200.000	990.000	202.000	1010.000	204.000	1050.000
GR	204.000	1170.000	204.000	1190.000	204.600	1195.000	204.600	1220.000	206.000	1230.000
NC	.040	.045	.040	.200	.400	0.000	0.000	0.000	0.000	0.000
X1	13220.000	19.000	160.000	625.000	220.000	220.000	220.000	0.000	0.000	0.000
GR	210.000	0.000	208.000	48.000	200.000	90.000	198.000	125.000	196.000	160.000
GR	194.000	180.000	194.000	330.000	196.000	395.000	198.000	460.000	200.000	625.000
GR	202.000	635.000	204.000	830.000	206.000	1010.000	206.000	1070.000	204.000	1090.000
GR	204.000	1135.000	204.800	1150.000	204.800	1172.000	206.000	1180.000	0.000	0.000
X1	13375.000	19.000	110.000	570.000	155.000	155.000	155.000	0.000	0.000	0.000
GR	211.000	0.000	210.000	50.000	208.000	60.000	200.000	90.000	198.000	110.000
GR	196.000	180.000	194.000	240.000	194.000	285.000	196.000	410.000	198.000	570.000
GR	200.000	660.000	202.000	840.000	205.700	880.000	200.000	930.000	200.000	960.000
GR	204.000	980.000	204.000	1100.000	205.000	1125.000	206.000	1160.000	0.000	0.000
X1	13540.000	14.000	260.000	778.000	165.000	165.000	165.000	0.000	0.000	0.000
GR	210.000	0.000	208.000	230.000	200.000	260.000	198.000	305.000	196.000	420.000
GR	194.000	485.000	194.000	515.000	196.000	565.000	198.000	695.000	200.000	778.000
GR	202.000	800.000	202.000	960.000	206.000	1190.000	206.000	1245.000	0.000	0.000
X1	13750.000	19.000	340.000	750.000	210.000	210.000	210.000	0.000	0.000	0.000
GR	212.000	0.000	210.000	18.000	210.000	90.000	220.000	91.000	220.000	250.000
GR	208.000	251.000	206.000	305.000	200.000	340.000	198.000	390.000	196.000	470.000
GR	196.000	560.000	198.000	750.000	200.000	772.000	202.000	1015.000	206.000	1068.000
GR	206.000	1210.000	205.700	1230.000	205.700	1250.000	206.000	1255.000	0.000	0.000
X1	14000.000	18.000	340.000	770.000	250.000	250.000	250.000	0.000	0.000	0.000
GR	212.700	0.000	210.500	25.000	210.500	65.000	209.000	250.000	208.000	310.000
GR	202.000	340.000	200.000	370.000	198.000	410.000	196.000	460.000	196.000	660.000
GR	198.000	770.000	200.000	795.000	202.000	870.000	204.000	905.000	206.000	1210.000
GR	205.700	1220.000	205.700	1240.000	206.000	1245.000	0.000	0.000	0.000	0.000
X1	14150.000	20.000	370.000	820.000	150.000	150.000	150.000	0.000	0.000	0.000
GR	212.800	0.000	211.400	25.000	211.500	65.000	210.400	110.000	210.000	160.000
GR	208.000	280.000	200.000	370.000	198.000	405.000	196.000	440.000	196.000	650.000
GR	198.000	760.000	200.000	790.000	202.000	820.000	210.000	840.000	210.000	910.000
GR	204.000	960.000	206.000	1190.000	205.500	1205.000	202.500	1225.000	208.000	1230.000

PRINTED IN U.S.A.

GR	202.000	340.000	200.000	370.000	198.000	410.000	196.000	460.000	196.000	510.000
GR	198.000	770.000	200.000	795.000	202.000	870.000	204.000	905.000	206.000	660.000
GR	205.700	1220.000	205.700	1240.000	206.000	1245.000	0.000	0.000	0.000	1210.000
										0.000
X1	14150.000	20.000	370.000	820.000	150.000	150.000	150.000	0.000	0.000	0.000
GR	212.800	0.000	211.400	25.000	211.500	65.000	210.400	110.000	210.000	160.000
GR	208.000	280.000	200.000	370.000	198.000	405.000	196.000	440.000	196.000	650.000
GR	198.000	760.000	200.000	790.000	202.000	820.000	210.000	840.000	210.000	910.000
GR	204.000	960.000	206.000	1190.000	205.500	1205.000	202.500	1225.000	206.000	1230.000
X1	14400.000	19.000	350.000	810.000	250.000	250.000	250.000	0.000	0.000	0.000
GR	213.700	0.000	211.000	25.000	211.000	65.000	210.000	210.000	208.000	290.000
GR	200.000	350.000	198.000	400.000	196.000	540.000	194.000	590.000	194.000	620.000
GR	196.000	680.000	198.000	750.000	200.000	780.000	202.000	810.000	206.000	840.000
GR	206.000	1150.000	206.700	1190.000	206.700	1210.000	208.000	1230.000	0.000	0.000
X1	14575.000	18.000	340.000	770.000	175.000	175.000	175.000	0.000	0.000	0.000
GR	214.000	0.000	212.000	110.000	210.000	300.000	200.000	340.000	198.000	390.000
GR	196.000	450.000	194.000	550.000	194.000	605.000	196.000	665.000	198.000	740.000
GR	200.000	770.000	212.000	840.000	212.000	980.000	208.000	1050.000	208.000	1180.000
GR	207.500	1185.000	207.500	1210.000	208.000	1215.000	0.000	0.000	0.000	0.000
X1	14750.000	16.000	330.000	740.000	175.000	175.000	175.000	0.000	0.000	0.000
GR	214.000	0.000	212.000	155.000	210.000	280.000	198.000	330.000	194.000	435.000
GR	194.000	530.000	196.000	600.000	198.000	715.000	200.000	740.000	202.000	750.000
GR	204.000	765.000	206.000	1040.000	208.000	1120.000	208.700	1125.000	208.700	1180.000
GR	208.000	1185.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NC	.040	.045	.030	.200	.400	0.000	0.000	0.000	0.000	0.000
X1	15000.000	20.000	465.000	860.000	250.000	250.000	250.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	209.500	207.500	0.000
GR	214.000	0.000	212.000	85.000	212.000	370.000	210.000	410.000	200.000	435.000
GR	196.000	465.000	194.000	490.000	194.000	760.000	196.000	815.000	200.000	860.000
GR	202.000	865.000	204.000	890.000	205.500	900.000	205.500	1010.000	206.000	1050.000
GR	208.000	1200.000	208.000	1240.000	209.300	1245.000	209.300	1305.000	210.000	1315.000
X1	15150.000	19.000	590.000	840.000	150.000	150.000	150.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	209.500	207.500	0.000
GR	214.000	0.000	212.000	25.000	211.000	100.000	212.000	180.000	212.000	330.000
GR	210.000	360.000	208.000	430.000	196.000	590.000	195.100	630.000	195.000	740.000
GR	196.000	840.000	202.000	865.000	206.000	900.000	206.200	950.000	206.300	1050.000
GR	209.400	1220.000	209.400	1315.000	210.000	1320.000	211.500	1340.000	0.000	0.000
NC	.025	.025	.025	.300	.500	0.000	0.000	0.000	0.000	0.000

STA. 15195 ON D.S. FACE MCDOWELL RD. BRIDGE

X1	15195.000	4.000	0.000	212.500	45.000	45.000	45.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	207.100	207.400	0.000
GR	207.100	0.000	194.000	0.000	194.000	212.500	207.000	212.500	0.000	0.000
SB	1.000	1.500	2.500	0.000	212.500	19.500	2462.000	0.000	194.500	194.000

STA. 15295 ON D.S. FACE MCDOWELL RD. BRIDGE

X1	15295.000	4.000	0.000	212.500	100.000	100.000	100.000	0.000	0.000	0.000
X2	0.000	0.000	1.000	207.370	209.260	0.000	0.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	209.260	209.540	0.000
BT	5.000	0.000	209.260	207.090	47.250	209.450	207.280	106.250	209.540	207.370
BT	165.250	209.450	207.280	212.500	209.540	207.370	0.000	0.000	0.000	0.000
GR	207.100	0.000	194.500	0.000	194.500	212.500	207.100	212.500	0.000	0.000
NC	.030	.030	.030	.200	.400	0.000	0.000	0.000	0.000	0.000
X1	15302.000	8.000	0.000	212.500	7.000	7.000	7.000	0.000	0.000	0.000
GR	207.000	0.000	194.500	0.000	194.500	192.000	193.500	193.000	193.500	208.000
GR	194.500	209.000	194.500	212.500	207.000	212.500	0.000	0.000	0.000	0.000

STA. 15311 ON D.S. EDGE OF SILL

GR	207.100	0.000	194.500	0.000	194.500	212.500	207.100	212.500	0.000	0.000
NC	.030	.030	.030	.200	.400	0.000	0.000	0.000	0.000	0.000
X1	15302.000	8.000	0.000	212.500	7.000	7.000	7.000	0.000	0.000	0.000
GR	207.000	0.000	194.500	0.000	194.500	192.000	193.500	193.000	193.500	208.000
GR	194.500	209.000	194.500	212.500	207.000	212.500	0.000	0.000	0.000	0.000

STA. 15311 ON D.S. EDGE OF SILL

X1	15311.000	7.000	0.000	220.000	9.000	9.000	9.000	0.000	0.000	0.000
GR	213.000	0.000	197.570	0.000	197.570	195.000	1193.600	199.000	193.600	214.000
GR	194.600	217.000	213.000	217.000	0.000	0.000	0.000	0.000	0.000	0.000

STA. 15331 ON U.S. EDGE OF SILL

X1	15331.000	7.000	0.000	234.000	20.000	20.000	20.000	0.000	0.000	0.000
GR	213.000	0.000	197.670	0.000	197.670	210.000	193.700	214.000	193.700	230.000
GR	194.700	233.000	213.000	233.000	0.000	0.000	0.000	0.000	0.000	0.000

AREA BETWEEN 15340 AND 16000 IS WITHIN HOHOKAM PLAZA

X1	15340.000	7.000	0.000	238.000	9.000	9.000	9.000	0.000	0.000	0.000
GR	213.000	0.000	194.710	0.000	194.710	217.000	193.700	221.000	193.700	236.000
GR	194.700	239.000	213.000	239.000	0.000	0.000	0.000	0.000	0.000	0.000
X1	15351.000	8.000	0.000	244.000	11.000	11.000	11.000	0.000	0.000	0.000
GR	213.000	0.000	194.770	0.000	194.770	221.000	193.800	222.000	193.800	237.000
GR	194.800	238.500	194.800	244.000	213.000	244.000	0.000	0.000	0.000	0.000
X1	15400.000	4.000	45.000	325.000	49.000	49.000	49.000	0.000	0.000	0.000
GR	212.000	0.000	196.000	45.000	196.000	325.000	210.000	420.000	0.000	0.000
NC	.045	.045	.030	.200	.400	0.000	0.000	0.000	0.000	0.000
X1	15500.000	15.000	321.000	433.000	100.000	100.000	100.000	0.000	0.000	0.000
GR	210.000	0.000	205.000	32.000	202.000	60.000	196.700	81.000	196.700	130.000
GR	198.000	177.000	198.000	227.000	194.400	267.000	196.300	284.000	196.000	321.000
GR	196.000	416.000	202.000	433.000	202.000	527.000	211.000	551.000	212.000	557.000
NC	.045	.045	.045	.300	.500	0.000	0.000	0.000	0.000	0.000
X1	15600.000	20.000	372.000	442.000	100.000	100.000	100.000	0.000	0.000	0.000
NH	6.000	.045	45.000	.040	139.000	.070	254.000	.040	442.000	.030
NH	517.000	.045	561.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	212.000	0.000	197.500	45.000	197.500	111.000	199.000	139.000	204.000	157.000
GR	203.000	168.000	203.000	198.000	198.000	254.000	200.000	268.000	198.000	284.000
GR	198.000	315.000	200.000	321.000	200.000	372.000	195.900	386.000	195.900	423.000
GR	202.000	442.000	202.000	517.000	200.600	523.000	202.000	528.000	213.000	561.000
X1	15700.000	20.000	411.000	480.000	100.000	100.000	100.000	0.000	0.000	0.000
NH	6.000	.045	45.000	.040	141.000	.070	296.000	.040	480.000	.030
NH	556.000	.045	603.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	213.000	0.000	198.200	45.000	198.200	112.000	199.000	141.000	204.000	156.000
GR	204.000	171.000	203.000	175.000	203.000	187.000	204.000	190.000	205.000	223.000
GR	205.000	275.000	200.000	296.000	200.000	411.000	196.600	422.000	196.600	464.000
GR	202.000	480.000	202.000	556.000	201.000	562.000	202.000	567.000	214.000	603.000
X1	15800.000	35.000	503.000	608.000	100.000	100.000	100.000	0.000	0.000	0.000
X3	0.000	0.000	0.000	99.000	0.000	0.000	0.000	0.000	0.000	0.000
NH	6.000	.045	130.000	.040	238.000	.070	372.000	.040	608.000	.030
NH	683.000	.045	729.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	212.000	10.000	210.500	55.000	210.500	99.000	210.000	100.000	200.000	130.000
GR	199.100	132.000	199.100	196.000	200.000	197.000	200.000	208.000	202.400	216.000
GR	202.400	238.000	205.000	246.000	205.000	261.000	203.000	268.000	203.000	280.000
GR	205.000	296.000	206.000	323.000	206.000	339.000	199.000	372.000	199.000	436.000
GR	205.000	452.000	205.000	486.000	201.000	495.000	200.000	503.000	198.000	511.000
GR	197.000	529.000	197.000	590.000	202.000	605.000	202.000	608.000	204.000	608.000
GR	202.000	609.000	202.000	683.000	201.000	688.000	202.000	693.000	214.000	729.000

PRINTED IN U.S.A.

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X1	15000.000	35.000	503.000	608.000	100.000	100.000	100.000	0.000	0.000	0.000
X3	0.000	0.000	0.000	99.000	0.000	0.000	0.000	0.000	0.000	0.000
NH	6.000	.045	130.000	.040	238.000	.070	372.000	.040	608.000	.030
NH	683.000	.045	729.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	212.000	10.000	210.500	55.000	210.500	99.000	210.000	100.000	200.000	130.000
GR	199.100	132.000	199.100	196.000	200.000	197.000	200.000	208.000	202.400	216.000
GR	202.400	238.000	205.000	246.000	205.000	261.000	203.000	268.000	203.000	280.000
GR	205.000	296.000	206.000	323.000	206.000	339.000	199.000	372.000	199.000	436.000
GR	205.000	452.000	205.000	486.000	201.000	495.000	200.000	503.000	198.000	511.000
GR	197.000	529.000	197.000	590.000	202.000	603.000	202.000	608.000	204.000	608.000
GR	202.000	609.000	202.000	683.000	201.000	688.000	202.000	693.000	214.000	729.000
X1	15838.000	25.000	633.000	674.000	40.000	40.000	40.000	0.000	0.000	0.000
X3	0.000	0.000	0.000	120.000	0.000	0.000	0.000	0.000	0.000	0.000
NH	6.000	.045	152.000	.040	239.000	.070	368.000	.040	633.000	.030
NH	759.000	.045	795.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	212.000	0.000	210.000	40.000	210.000	120.000	199.700	152.000	199.000	179.000
GR	199.000	191.000	199.700	216.000	200.000	228.000	203.500	239.000	203.600	277.000
GR	205.000	281.000	205.000	286.000	203.000	296.000	205.000	328.000	206.000	354.000
GR	207.000	368.000	206.000	380.000	199.000	420.000	199.000	633.000	199.000	662.000
GR	203.000	674.000	205.000	674.000	202.000	675.000	202.000	759.000	214.000	795.000
X1	15890.000	30.000	656.000	695.000	50.000	50.000	50.000	0.000	0.000	0.000
X3	0.000	0.000	0.000	140.000	0.000	0.000	0.000	0.000	0.000	0.000
NH	6.000	.045	166.000	.040	259.000	.070	435.000	.040	685.000	.030
NH	782.000	.045	817.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	212.000	0.000	210.000	20.000	208.000	100.000	209.000	101.000	209.000	140.000
GR	200.600	166.000	200.000	198.000	200.500	230.000	201.000	234.000	201.000	241.000
GR	206.000	259.000	205.500	308.000	205.000	312.000	203.000	317.000	203.000	353.000
GR	204.000	357.000	205.000	370.000	206.000	397.000	207.000	403.000	207.500	414.000
GR	207.000	425.000	205.000	435.000	205.000	656.000	199.000	669.000	199.000	685.000
GR	203.000	695.000	205.000	695.000	202.000	696.000	202.000	782.000	214.000	817.000
X1	16000.000	26.000	542.000	608.000	100.000	100.000	220.000	0.000	0.000	0.000
X3	0.000	0.000	0.000	220.000	0.000	0.000	0.000	0.000	0.000	0.000
NH	4.000	.040	542.000	.030	608.000	.040	872.000	.045	940.000	0.000
GR	212.000	0.000	210.000	40.000	208.200	135.000	208.000	165.000	207.000	180.000
GR	207.000	219.000	207.000	220.000	205.000	240.000	204.700	274.000	205.000	306.000
GR	205.000	315.000	210.000	329.000	210.000	338.000	208.000	344.000	208.000	361.000
GR	210.000	375.000	210.000	542.000	203.300	562.000	203.300	598.000	206.000	608.000
GR	206.000	810.000	206.900	811.000	206.000	812.000	208.000	872.000	213.000	891.000
GR	213.000	940.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NC	.040	.050	.040	.200	.400	0.000	0.000	0.000	0.000	0.000
X1	16050.000	13.000	440.000	780.000	50.000	50.000	50.000	0.000	0.000	0.000
X3	0.000	0.000	0.000	260.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	212.000	0.000	210.000	110.000	208.000	220.000	208.000	260.000	206.600	360.000
GR	208.000	415.000	208.000	440.000	207.200	580.000	207.200	670.000	207.500	780.000
GR	208.000	850.000	210.000	915.000	212.000	940.000	0.000	0.000	0.000	0.000
X1	16100.000	16.000	300.000	775.000	50.000	50.000	50.000	0.000	0.000	0.000
X3	0.000	0.000	0.000	200.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	214.000	0.000	212.000	20.000	210.000	40.000	208.000	160.000	208.000	200.000
GR	206.000	235.000	206.800	300.000	208.000	332.000	208.000	370.000	207.300	460.000
GR	207.000	600.000	208.000	775.000	210.000	850.000	212.000	880.000	212.000	950.000
GR	214.000	965.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
X1	16250.000	15.000	200.000	700.000	150.000	150.000	150.000	0.000	0.000	0.000
X3	0.000	0.000	0.000	160.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	218.000	0.000	210.000	80.000	208.000	105.000	208.000	160.000	208.500	200.000
GR	206.000	330.000	206.000	345.000	208.000	360.000	208.000	390.000	206.000	425.000
GR	206.000	650.000	207.600	700.000	208.000	780.000	209.000	800.000	216.100	830.000
X1	16500.000	17.000	200.000	510.000	250.000	250.000	250.000	0.000	0.000	0.000
GR	214.000	0.000	210.000	20.000	208.000	22.000	208.500	30.000	208.500	70.000
GR	209.300	120.000	208.000	200.000	206.000	290.000	206.000	380.000	206.000	450.000
GR	208.000	510.000	210.000	625.000	212.000	780.000	214.000	825.000	216.000	850.000
GR	218.000	870.000	219.000	890.000	218.000	920.000	214.000	960.000	213.700	1025.000
NC	.040	.045	.045	.200	.400	0.000	0.000	0.000	0.000	0.000

GR	206.000	650.000	207.600	700.000	208.000	780.000	209.000	800.000	216.100	830.000
X1	16500.000	17.000	200.000	510.000	250.000	250.000	250.000	0.000	0.000	0.000
GR	214.000	0.000	210.000	20.000	208.000	22.000	208.500	30.000	208.500	70.000
GR	209.300	120.000	208.000	200.000	206.000	290.000	206.000	380.000	206.000	450.000
GR	208.000	510.000	210.000	625.000	212.000	780.000	214.000	825.000	216.000	850.000
GR	218.000	870.000	219.000	890.000	218.000	920.000	214.000	960.000	213.700	1025.000
NC	.040	.045	.045	.200	.400	0.000	0.000	0.000	0.000	0.000
X1	16750.000	10.000	200.000	750.000	250.000	250.000	250.000	0.000	0.000	0.000
X4	3.000	206.500	630.000	208.000	940.000	207.500	850.000	0.000	0.000	0.000
GR	214.000	0.000	211.000	20.000	211.000	90.000	208.000	200.000	206.000	390.000
GR	206.000	430.000	206.000	495.000	207.000	750.000	208.500	945.000	218.000	980.000

BASEBALL BACKSTOP FENCE BLOCKED OUT

X1	17000.000	16.000	195.000	740.000	250.000	250.000	250.000	0.000	0.000	0.000
X3	0.000	0.000	0.000	0.000	0.000	740.000	0.000	0.000	0.000	0.000
GR	216.000	0.000	212.000	10.000	213.200	20.000	213.200	60.000	212.800	80.000
GR	212.000	110.000	212.000	170.000	210.000	195.000	208.000	305.000	208.000	350.000
GR	206.000	440.000	206.000	485.000	207.700	650.000	208.000	740.000	210.000	870.000
GR	219.000	900.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
X1	17250.000	12.000	190.000	740.000	250.000	250.000	250.000	0.000	0.000	0.000
GR	216.000	0.000	212.000	15.000	211.200	20.000	211.200	70.000	210.000	190.000
GR	208.000	403.000	206.000	405.000	206.000	420.000	208.000	580.000	208.400	740.000
GR	209.000	840.000	218.200	875.000	0.000	0.000	0.000	0.000	0.000	0.000
X1	17500.000	17.000	165.000	780.000	250.000	250.000	250.000	0.000	0.000	0.000
GR	216.000	0.000	212.000	18.000	211.200	20.000	211.200	80.000	210.000	165.000
GR	209.400	210.000	209.200	330.000	210.000	385.000	206.000	400.000	206.000	420.000
GR	206.000	475.000	209.000	540.000	209.300	660.000	209.400	780.000	209.500	900.000
GR	210.000	965.000	219.600	1000.000	0.000	0.000	0.000	0.000	0.000	0.000
NC	.040	.050	.045	.200	.400	0.000	0.000	0.000	0.000	0.000
X1	17750.000	15.000	170.000	595.000	250.000	250.000	250.000	0.000	0.000	0.000
GR	211.500	0.000	211.500	75.000	211.800	100.000	210.000	170.000	209.400	220.000
GR	208.000	390.000	206.000	395.000	206.000	400.000	208.000	410.000	210.000	530.000
GR	212.000	595.000	214.000	612.000	216.000	650.000	217.300	675.000	220.500	700.000
X1	18000.000	9.000	135.000	510.000	250.000	250.000	250.000	0.000	0.000	0.000
GR	216.000	0.000	214.000	10.000	212.000	15.000	209.000	135.000	209.000	510.000
GR	210.000	535.000	212.000	615.000	214.800	665.000	220.700	700.000	0.000	0.000

STA. 18350 NEAR MURRAY LANE

X1	18350.000	13.000	190.000	480.000	300.000	350.000	350.000	0.000	0.000	0.000
X3	0.000	0.000	0.000	0.000	0.000	780.000	0.000	0.000	0.000	0.000
GR	216.000	0.000	214.000	70.000	212.000	73.000	212.000	190.000	210.000	250.000
GR	212.000	430.000	211.000	460.000	210.000	480.000	212.000	640.000	213.000	780.000
GR	214.000	870.000	216.000	1010.000	217.000	1100.000	0.000	0.000	0.000	0.000
NC	.030	.045	.045	.200	.400	0.000	0.000	0.000	0.000	0.000
X1	18700.000	7.000	65.000	620.000	300.000	350.000	350.000	0.000	0.000	0.000
GR	218.000	0.000	216.000	35.000	214.000	65.000	214.000	85.000	214.000	430.000
GR	214.000	620.000	220.000	760.000	0.000	0.000	0.000	0.000	0.000	0.000
X1	19000.000	11.000	18.000	690.000	300.000	300.000	300.000	0.000	0.000	0.000
GR	220.000	0.000	214.000	18.000	214.000	285.000	214.000	355.000	213.700	370.000
GR	214.000	525.000	214.000	640.000	215.300	690.000	216.000	805.000	218.000	920.000
GR	220.000	1000.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
X1	19200.000	15.000	15.000	610.000	200.000	200.000	200.000	0.000	0.000	0.000
X3	0.000	0.000	0.000	0.000	0.000	800.000	0.000	0.000	0.000	0.000
GR	220.000	0.000	216.000	10.000	214.000	15.000	214.000	190.000	214.600	390.000
GR	216.000	485.000	216.000	545.000	212.000	550.000	212.000	580.000	214.000	590.000

X1	19000.000	11.000	18.000	690.000	300.000	300.000	300.000	0.000	0.000	0.000
GR	220.000	0.000	214.000	18.000	214.000	285.000	214.000	355.000	213.700	370.000
GR	214.000	525.000	214.000	640.000	215.300	690.000	216.000	805.000	218.000	920.000
GR	220.000	1000.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
X1	19200.000	15.000	15.000	610.000	200.000	200.000	200.000	0.000	0.000	0.000
X3	0.000	0.000	0.000	0.000	0.000	800.000	0.000	0.000	0.000	0.000
GR	220.000	0.000	216.000	10.000	214.000	15.000	214.000	190.000	214.600	390.000
GR	216.000	485.000	216.000	545.000	212.000	550.000	212.000	580.000	214.000	590.000
GR	216.000	610.000	218.000	800.000	218.000	920.000	200.000	1100.000	222.000	1380.000
NC	.045	.045	.045	.200	.400	0.000	0.000	0.000	0.000	0.000

GOLF RANGE FENCE BLOCKED OUT AT 193+91

X1	19391.000	9.000	95.000	665.000	191.000	191.000	191.000	0.000	0.000	0.000
GR	220.900	0.000	220.000	32.000	214.000	95.000	213.200	100.000	213.200	160.000
GR	215.000	335.000	214.000	625.000	216.000	665.000	250.000	665.000	0.000	0.000
X1	19600.000	14.000	56.000	650.000	205.000	205.000	205.000	0.000	0.000	0.000
GR	224.500	0.000	220.500	16.000	220.500	26.000	220.000	30.000	216.500	46.000
GR	216.500	63.000	216.500	135.000	216.500	160.000	213.500	170.000	213.500	295.000
GR	216.000	300.000	216.000	440.000	218.000	650.000	220.000	850.000	0.000	0.000
X1	19856.000	11.000	58.000	625.000	250.000	250.000	250.000	0.000	0.000	0.000
GR	225.200	0.000	221.200	16.000	221.200	26.000	213.900	58.000	213.900	355.000
GR	216.000	360.000	218.000	390.000	218.000	515.000	220.000	625.000	220.900	750.000
GR	220.000	840.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
X1	20110.000	11.000	56.000	450.000	250.000	250.000	250.000	0.000	0.000	0.000
GR	225.900	0.000	221.900	16.000	221.900	26.000	215.500	56.000	215.500	110.000
GR	213.900	120.000	214.300	400.000	216.000	445.000	218.000	450.000	220.000	520.000
GR	223.000	730.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
X1	20212.000	14.000	55.000	483.000	100.000	100.000	100.000	0.000	0.000	0.000
GR	226.100	0.000	222.100	16.000	222.100	26.000	216.500	52.000	217.500	75.000
GR	216.500	150.000	215.500	160.000	214.400	168.000	214.400	440.000	215.000	445.000
GR	215.500	460.000	215.000	483.000	221.000	525.000	222.100	630.000	0.000	0.000
X1	20315.000	10.000	65.000	475.000	100.000	100.000	100.000	0.000	0.000	0.000
GR	226.400	0.000	222.400	12.000	222.400	22.000	216.500	50.000	215.500	65.000
GR	215.500	120.000	214.600	130.000	214.600	455.000	215.000	475.000	226.300	525.000
X1	20430.000	11.000	52.000	460.000	110.000	110.000	110.000	0.000	0.000	0.000
GR	226.700	0.000	222.700	12.000	222.700	22.000	214.900	52.000	214.800	365.000
GR	216.800	380.000	217.800	405.000	218.000	465.000	224.000	490.000	224.000	500.000
GR	226.600	510.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
X1	20550.000	9.000	50.000	380.000	250.000	110.000	195.000	0.000	0.000	0.000
GR	227.000	0.000	223.000	15.000	223.000	25.000	216.500	58.000	216.500	90.000
GR	215.100	380.000	216.000	385.000	216.000	395.000	226.900	435.000	0.000	0.000
NC	.030	.030	.030	.200	.400	0.000	0.000	0.000	0.000	0.000
X1	20600.000	7.000	35.000	345.000	55.000	40.000	50.000	0.000	0.000	0.000
GR	227.000	0.000	215.200	35.000	215.200	283.000	211.600	289.000	215.200	295.000
GR	215.200	345.000	227.000	380.000	0.000	0.000	0.000	0.000	0.000	0.000
X1	20654.000	8.000	36.000	300.000	54.000	54.000	54.000	0.000	0.000	0.000
GR	227.000	0.000	219.000	36.000	215.300	36.000	215.300	264.000	212.000	270.000
GR	215.300	276.000	215.300	300.000	227.000	300.000	0.000	0.000	0.000	0.000
X1	20673.000	8.000	40.000	300.000	25.000	25.000	25.000	0.000	0.000	0.000
GR	227.000	0.000	217.000	40.000	215.300	40.000	215.300	[illegible]	[illegible]	[illegible]

PRINTED IN U.S.A.

GR	215.200	345.000	227.000	380.000	0.000	0.000	0.000	0.000		
X1	20654.000	8.000	36.000	300.000	54.000	54.000	54.000	0.000	0.000	0.000
GR	227.000	0.000	219.000	36.000	215.300	36.000	215.300	264.000	212.000	270.000
GR	215.300	276.000	215.300	300.000	227.000	300.000	0.000	0.000	0.000	0.000
X1	20673.000	8.000	40.000	300.000	25.000	25.000	25.000	0.000	0.000	0.000
GR	227.000	0.000	217.000	40.000	215.300	40.000	215.300	255.000	211.600	270.000
GR	215.300	286.000	215.300	300.000	227.000	300.000	0.000	0.000	0.000	0.000
X1	20680.000	7.000	37.000	295.000	6.000	6.000	6.000	0.000	0.000	0.000
GR	227.000	0.000	220.300	37.000	212.300	37.000	211.600	266.000	215.300	272.000
GR	215.300	295.000	227.000	295.000	0.000	0.000	0.000	0.000	0.000	0.000
X1	20687.000	9.000	34.000	291.000	6.000	6.000	6.000	0.000	0.000	0.000
GR	227.000	0.000	222.500	34.000	215.300	34.000	215.300	227.000	211.600	231.000
GR	211.600	235.000	215.300	239.000	215.300	291.000	227.000	291.000	0.000	0.000

STA. 20724 ON D.S. FACE THOMAS ROAD BRIDGE

X1	20724.000	4.000	0.000	259.500	36.000	36.000	36.000	0.000	0.000	0.000
GR	229.000	0.000	215.500	0.000	215.500	259.500	229.000	259.500	0.000	0.000
SB	1.000	1.500	2.500	251.500	251.500	22.000	3480.000	0.000	216.000	215.500

STA. 20807 ON U.S. FACE THOMAS ROAD BRIDGE

X1	20807.000	4.000	0.000	259.500	83.000	83.000	83.000	0.000	0.000	0.000
X2	0.000	0.000	1.000	229.000	231.000	0.000	0.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	235.000	235.000	0.000
BT	2.000	0.000	231.000	229.000	259.500	231.000	229.000	0.000	0.000	0.000
GR	229.000	0.000	216.000	0.000	216.000	259.500	229.000	259.500	0.000	0.000
NC	.030	.030	.030	.100	.300	0.000	0.000	0.000	0.000	0.000

SCHRADER GOLF COURSE-THOMAS RD. TO INDIAN SCHOOL RD. (SEPT.1977)

X1	20839.000	2.000	171.000	428.000	22.000	22.000	22.000	0.000	0.000	0.000
GR	216.200	171.000	216.200	428.000	0.000	0.000	0.000	0.000	0.000	0.000
X1	20885.000	2.000	156.000	439.000	42.000	42.000	42.000	0.000	0.000	0.000
GR	216.200	156.000	216.200	439.000	0.000	0.000	0.000	0.000	0.000	0.000
X1	20943.000	2.000	128.000	467.000	60.000	60.000	60.000	0.000	0.000	0.000
GR	216.300	128.000	216.300	467.000	0.000	0.000	0.000	0.000	0.000	0.000
NC	.045 COB	.045 RCB	.035 CH	.200	.400	0.000	0.000	0.000	0.000	0.000
X1	21061.000	3.000	122.000	484.000	120.000	120.000	120.000	0.000	0.000	0.000
GR	221.000	122.000	216.300	150.000	216.300	484.000	0.000	0.000	0.000	0.000
X1	21246.000	7.000	142.000	500.000	184.000	184.000	184.000	0.000	0.000	0.000
GR	221.000	90.000	220.000	142.000	217.000	160.000	216.300	220.000	216.300	330.000
GR	217.000	472.000	221.000	500.000	0.000	0.000	0.000	0.000	0.000	0.000
X1	21403.000	15.000	73.000	590.000	194.000	194.000	194.000	0.000	0.000	0.000
GR	220.000	50.000	218.000	60.000	217.000	73.000	216.300	206.000	216.300	320.000
GR	217.000	348.000	221.000	377.000	222.000	410.000	223.000	432.000	223.000	468.000
GR	222.000	482.000	220.000	486.000	218.000	505.000	217.500	555.000	217.700	590.000
X1	21595.000	17.000	188.000	575.000	190.000	190.000	190.000	0.000	0.000	0.000
GR	230.000	0.000	218.000	60.000	217.200	134.000	218.000	163.000	220.000	188.000
GR	220.000	248.000	218.000	265.000	218.000	275.000	219.000	280.000	219.000	320.000
GR	218.000	328.000	216.300	340.000	216.300	352.000	217.000	354.000	218.000	575.000
GR	219.000	642.000	230.000	690.000	0.000	0.000	0.000	0.000	0.000	0.000

GR	221.000	370.000	221.000	370.000	222.000	410.000	223.000	432.000	223.000	488.000
GR	222.000	482.000	220.000	486.000	218.000	505.000	217.500	555.000	217.700	590.000
X1	21595.000	17.000	188.000	575.000	190.000	190.000	190.000	0.000	0.000	0.000
GR	230.000	0.000	218.000	60.000	217.200	134.000	218.000	163.000	220.000	188.000
GR	220.000	248.000	218.000	265.000	218.000	275.000	219.000	280.000	219.000	320.000
GR	218.000	328.000	216.300	340.000	216.300	352.000	217.000	354.000	218.000	575.000
GR	219.000	642.000	230.000	690.000	0.000	0.000	0.000	0.000	0.000	0.000
X1	21781.000	28.000	190.000	504.000	188.000	188.000	188.000	0.000	0.000	0.000
GR	230.000	0.000	219.000	58.000	219.000	70.000	220.000	72.000	223.000	92.000
GR	225.000	112.000	225.000	143.000	223.000	168.000	220.000	190.000	218.000	220.000
GR	217.000	360.000	216.300	370.000	217.000	380.000	218.000	408.000	219.000	416.000
GR	219.000	448.000	219.000	476.000	224.000	504.000	224.000	518.000	223.000	526.000
GR	222.000	560.000	220.000	572.000	223.000	586.000	225.000	604.000	225.000	610.000
GR	223.000	630.000	220.000	650.000	233.000	696.000	0.000	0.000	0.000	0.000
X1	22030.000	29.000	150.000	510.000	244.000	244.000	244.000	0.000	0.000	0.000
GR	230.000	0.000	226.000	20.000	226.000	56.000	225.000	72.000	225.000	90.000
GR	226.000	100.000	226.000	126.000	225.000	136.000	224.000	144.000	218.300	155.000
GR	218.000	210.000	218.000	368.000	217.000	372.000	217.000	406.000	218.000	410.000
GR	218.000	500.000	219.000	510.000	222.000	514.000	222.000	530.000	222.000	540.000
GR	223.000	554.000	223.000	564.000	224.000	596.000	225.000	606.000	225.000	640.000
GR	224.000	652.000	223.000	658.000	223.000	664.000	232.000	694.000	0.000	0.000
X1	22341.000	28.000	214.000	610.000	340.000	340.000	340.000	0.000	0.000	0.000
GR	231.000	0.000	223.000	40.000	226.000	56.000	226.000	68.000	227.000	72.000
GR	227.000	78.000	225.000	95.000	225.000	120.000	227.000	158.000	225.000	180.000
GR	225.000	194.000	223.000	202.000	223.000	214.000	220.000	235.000	219.000	260.000
GR	218.000	420.000	218.000	435.000	219.000	445.000	220.000	450.000	221.000	456.000
GR	221.000	492.000	220.000	502.000	219.000	508.000	220.000	600.000	220.000	610.000
GR	226.000	644.000	227.000	676.000	231.000	696.000	0.000	0.000	0.000	0.000
X1	22623.000	17.000	56.000	640.000	284.000	284.000	284.000	0.000	0.000	0.000
GR	231.000	0.000	220.000	56.000	219.000	166.000	220.000	220.000	227.000	264.000
GR	227.000	274.000	224.000	296.000	224.000	350.000	226.000	360.000	220.000	402.000
GR	219.000	416.000	218.000	422.000	218.000	436.000	219.000	440.000	219.000	530.000
GR	220.000	640.000	230.000	696.000	0.000	0.000	0.000	0.000	0.000	0.000
X1	22867.000	5.000	60.000	640.000	240.000	240.000	240.000	0.000	0.000	0.000
GR	232.000	0.000	219.000	60.000	219.000	562.000	220.000	640.000	231.000	695.000

NEAR OSBORN RD.

X1	23131.000	18.000	280.000	608.000	133.000	133.000	133.000	0.000	0.000	0.000
GR	232.000	0.000	226.000	28.000	226.000	64.000	224.000	130.000	225.000	138.000
GR	225.000	176.000	223.000	190.000	223.000	205.000	223.000	218.000	224.000	228.000
GR	225.000	234.000	225.000	240.000	220.000	250.000	222.000	280.000	219.000	311.000
GR	219.000	608.000	231.000	656.000	231.000	695.000	0.000	0.000	0.000	0.000
X1	23352.000	12.000	195.000	613.000	216.000	188.000	156.000	0.000	0.000	0.000
GR	232.000	0.000	227.800	19.000	225.700	28.000	224.000	130.000	225.000	138.000
GR	225.000	176.000	221.900	195.000	220.400	305.000	220.300	348.000	220.500	550.000
GR	220.400	613.000	231.000	656.000	0.000	0.000	0.000	0.000	0.000	0.000
X1	23526.000	22.000	223.000	590.000	180.000	212.000	246.000	0.000	0.000	0.000
GR	231.000	0.000	226.000	38.000	227.000	60.000	229.000	72.000	230.000	78.000
GR	230.000	152.000	228.000	160.000	229.000	176.000	229.000	188.000	224.000	223.000
GR	221.000	228.000	222.000	240.000	222.000	520.000	221.000	530.000	220.000	554.000
GR	220.000	572.000	222.000	590.000	227.000	620.000	228.000	628.000	229.000	655.000
GR	230.000	680.000	232.000	700.000	0.000	0.000	0.000	0.000	0.000	0.000
X1	23718.000	26.000	228.000	592.000	192.000	192.000	192.000	0.000	0.000	0.000
GR	232.000	0.000	226.000	38.000	227.000	60.000	229.000	72.000	230.000	78.000
GR	230.000	92.000	229.000	108.000	229.000	118.000	230.000	128.000	230.000	142.000
GR	230.000	152.000	228.000	160.000	229.000	176.000	229.000	188.000	221.000	228.000
GR	222.000	242.000	222.000	524.000	220.000	528.000	220.000	538.000	221.000	546.000

GR	221.000	228.000	222.000	240.000	222.000	520.000	221.000	530.000	220.000	554.000
GR	220.000	572.000	222.000	590.000	227.000	620.000	228.000	628.000	229.000	655.000
GR	230.000	680.000	232.000	700.000	0.000	0.000	0.000	0.000	0.000	0.000
X1	23718.000	26.000	228.000	592.000	192.000	192.000	192.000	0.000	0.000	0.000
GR	232.000	0.000	226.000	38.000	227.000	60.000	229.000	72.000	230.000	78.000
GR	230.000	92.000	229.000	108.000	229.000	118.000	230.000	128.000	230.000	142.000
GR	230.000	152.000	228.000	160.000	229.000	176.000	229.000	188.000	221.000	228.000
GR	222.000	242.000	222.000	524.000	220.000	528.000	220.000	538.000	221.000	546.000
GR	222.000	592.000	227.000	620.000	228.000	628.000	229.000	652.000	230.000	678.000
GR	232.000	696.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
X1	24116.000	6.000	50.000	640.000	396.000	396.000	396.000	0.000	0.000	0.000
GR	233.000	0.000	223.000	50.000	222.000	240.000	222.000	590.000	223.000	640.000
GR	333.000	698.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
X1	24472.000	26.000	50.000	474.000	354.000	354.000	354.000	0.000	0.000	0.000
GR	234.000	0.000	224.000	50.000	223.000	125.000	223.000	160.000	224.000	164.000
GR	230.000	200.000	230.000	214.000	229.000	225.000	229.000	232.000	228.000	238.000
GR	227.000	246.000	226.000	282.000	223.000	300.000	222.000	312.000	222.000	464.000
GR	224.000	474.000	230.000	520.000	229.000	522.000	229.000	564.000	230.000	566.000
GR	231.000	588.000	230.000	590.000	232.000	612.000	232.000	632.000	229.000	662.000
GR	229.000	672.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
X1	24728.000	21.000	65.000	486.000	264.000	294.000	324.000	0.000	0.000	0.000
GR	234.000	0.000	229.000	30.000	229.000	65.000	224.000	84.000	223.000	135.000
GR	222.000	142.000	222.000	152.000	223.000	154.000	230.000	188.000	230.000	202.000
GR	229.000	210.000	229.000	218.000	228.000	225.000	224.000	260.000	224.000	280.000
GR	225.000	468.000	226.000	486.000	229.000	520.000	230.000	540.000	232.000	546.000
GR	233.000	558.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
X1	24861.000	22.000	148.000	620.000	150.000	188.000	230.000	0.000	0.000	0.000
GR	231.000	18.000	230.000	28.000	230.000	42.000	231.000	90.000	231.000	116.000
GR	224.000	148.000	223.000	220.000	223.000	240.000	224.000	256.000	225.000	266.000
GR	225.000	322.000	232.000	374.000	232.000	392.000	231.000	404.000	231.000	408.000
GR	232.000	416.000	232.000	440.000	230.000	448.000	226.000	480.000	225.100	482.000
GR	226.000	620.000	227.000	635.000	0.000	0.000	0.000	0.000	0.000	0.000
X1	25000.000	22.000	260.000	650.000	140.000	192.000	244.000	0.000	0.000	0.000
GR	232.000	58.000	231.000	60.000	231.000	114.000	232.000	124.000	232.000	144.000
GR	231.000	150.000	229.000	160.000	229.000	184.000	231.000	204.000	231.000	220.000
GR	224.000	260.000	223.000	280.000	224.000	315.000	225.000	350.000	226.000	384.000
GR	232.000	420.000	232.000	430.000	226.000	470.000	225.200	472.000	226.000	612.000
GR	227.000	650.000	232.000	700.000	0.000	0.000	0.000	0.000	0.000	0.000
X1	25198.000	16.000	250.000	675.000	164.000	164.000	164.000	0.000	0.000	0.000
GR	234.000	28.000	234.000	100.000	232.000	123.000	232.000	146.000	230.000	158.000
GR	229.000	174.000	230.000	220.000	224.000	250.000	223.000	260.000	223.000	280.000
GR	224.000	290.000	225.000	320.000	225.000	410.000	226.000	548.000	227.000	675.000
GR	234.000	724.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
X1	25386.000	15.000	82.000	708.000	196.000	196.000	196.000	0.000	0.000	0.000
GR	236.000	0.000	235.000	50.000	226.000	82.000	225.000	170.000	224.000	245.000
GR	224.000	264.000	225.000	300.000	227.000	315.000	227.000	342.000	226.000	352.000
GR	225.000	372.000	225.000	488.000	226.000	646.000	227.000	708.000	234.000	760.000
X1	25655.000	20.000	218.000	600.000	244.000	244.000	244.000	0.000	0.000	0.000
GR	234.000	26.000	234.000	48.000	233.000	80.000	233.000	92.000	230.000	110.000
GR	230.000	140.000	229.000	165.000	228.000	190.000	226.000	218.000	225.000	245.000
GR	225.000	464.000	225.000	564.000	224.000	580.000	224.000	590.000	265.000	600.000
GR	225.000	600.000	229.000	616.000	230.000	645.000	232.000	680.000	234.000	720.000
X1	25843.000	16.000	200.000	755.000	174.000	174.000	174.000	0.000	0.000	0.000
GR	234.000	0.000	233.000	55.000	230.000	74.000	230.000	120.000	229.000	150.000
GR	228.000	180.000	226.000	200.000	225.000	210.000	225.000	422.000	227.000	430.000
GR	227.000	600.000	225.000	616.000	224.000	622.000	224.000	740.000	225.000	750.000

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GR	234.000	26.000	234.000	48.000	233.000	80.000	233.000	92.000	230.000	110.000
GR	230.000	140.000	229.000	165.000	228.000	190.000	226.000	218.000	225.000	245.000
GR	225.000	464.000	225.000	564.000	224.000	580.000	224.000	590.000	265.000	600.000
GR	225.000	600.000	229.000	616.000	230.000	645.000	232.000	680.000	234.000	720.000
X1	25843.000	16.000	200.000	755.000	174.000	174.000	174.000	0.000	0.000	0.000
GR	234.000	0.000	233.000	55.000	230.000	74.000	230.000	120.000	229.000	150.000
GR	228.000	180.000	226.000	200.000	225.000	210.000	225.000	422.000	227.000	430.000
GR	227.000	600.000	225.000	616.000	224.000	622.000	224.000	740.000	225.000	750.000
GR	232.000	755.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
X1	25954.000	7.000	147.000	820.000	210.000	40.000	140.000	0.000	0.000	0.000
GR	234.700	0.000	236.000	44.000	234.000	147.000	232.000	553.000	227.000	700.000
GR	225.000	720.000	225.000	820.000	0.000	0.000	0.000	0.000	0.000	0.000
X1	26027.000	9.000	160.000	893.000	164.000	33.000	120.000	0.000	0.000	0.000
GR	238.000	0.000	236.000	160.000	235.800	230.000	234.500	343.000	233.000	760.000
GR	235.000	793.000	225.000	793.000	225.000	893.000	235.000	893.000	0.000	0.000

INDIAN SCHOOL ROAD LOW FLOW BRIDGE-26040 TO 26120

X1	26040.000	21.000	320.000	1012.000	60.000	10.000	30.000	0.000	0.000	0.000
X2	0.000	0.000	0.000	234.500	236.000	0.000	0.000	0.000	0.000	0.000
GR	237.200	0.000	236.300	90.000	236.100	217.000	236.300	320.000	236.200	548.000
GR	236.000	630.000	235.800	692.000	235.900	816.000	1236.000	912.000	225.250	912.000
GR	225.250	943.000	234.500	943.000	234.500	944.000	225.250	944.000	225.250	981.000
GR	234.500	981.000	234.500	982.000	225.250	982.000	225.250	1012.000	236.000	1012.000
GR	236.100	1040.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
X1	26120.000	21.000	320.000	1012.000	80.000	80.000	80.000	0.000	0.000	0.000
X2	0.000	0.000	0.000	234.500	236.000	0.000	0.000	0.000	0.000	0.000
GR	237.200	0.000	236.300	90.000	236.100	217.000	236.300	320.000	236.200	548.000
GR	236.000	630.000	235.800	692.000	235.900	816.000	236.000	912.000	226.250	912.000
GR	226.250	943.000	234.500	943.000	234.500	944.000	226.250	944.000	226.250	981.000
GR	234.500	981.000	234.500	982.000	226.250	982.000	226.250	1012.000	236.000	1012.000
GR	236.100	1040.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
X1	26157.000	7.000	160.000	1050.000	30.000	30.000	30.000	0.000	0.000	0.000
GR	238.000	0.000	236.000	160.000	236.000	900.000	238.000	920.000	232.500	920.000
GR	232.500	1050.000	238.000	1050.000	0.000	0.000	0.000	0.000	0.000	0.000
NC	.030	.030	.030	.200	.400	0.000	0.000	0.000	0.000	0.000
NC	0.000	0.000	0.000	.500	.800	0.000	0.000	0.000	0.000	0.000
X1	26300.000	14.000	2014.000	2170.000	130.000	220.000	195.000	0.000	0.000	0.000
NH	3.000	.050	1364.000	.040	2014.000	.030	2170.000	0.000	0.000	0.000
GR	239.000	1000.000	238.000	1080.000	236.000	1240.000	236.000	1364.000	236.000	1490.000
GR	227.000	1550.000	227.000	1930.000	230.000	1950.000	232.000	1990.000	238.000	2014.000
GR	232.800	2040.000	232.800	2159.000	239.000	2170.000	240.000	2210.000	0.000	0.000
X1	26500.000	16.000	2060.000	2210.000	200.000	150.000	150.000	0.000	0.000	0.000
NH	3.000	.060	1436.000	.040	2060.000	.030	2210.000	0.000	0.000	0.000
GR	240.000	1000.000	234.000	1370.000	234.000	1428.000	236.000	1436.000	237.500	1436.000
GR	237.500	1570.000	236.000	1570.000	227.000	1630.000	227.000	1980.000	228.000	1980.000
GR	230.000	2025.000	238.000	2060.000	233.100	2090.000	233.100	2198.000	238.000	2210.000
GR	240.000	2250.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
X1	26750.000	25.000	1990.000	2132.000	250.000	250.000	250.000	0.000	0.000	0.000
NH	4.000	.070	1094.000	.060	1420.000	.040	1990.000	.030	2132.000	0.000
GR	242.000	1000.000	242.000	1094.000	237.000	1094.000	237.000	1145.000	236.800	1145.000
GR	236.800	1215.000	232.000	1215.000	232.000	1244.000	229.000	1244.000	229.000	1306.000
GR	227.000	1306.000	227.000	1378.000	228.000	1380.000	232.000	1420.000	234.000	1432.000
GR	234.000	1518.000	233.000	1590.000	232.000	1698.000	234.000	1845.000	240.000	1890.000
GR	240.000	1955.000	242.000	1990.000	233.500	2010.000	233.500	2115.000	240.000	2132.000
X1	27000.000	19.000	1687.000	1940.000	250.000	250.000	250.000	0.000	0.000	0.000
NH	4.000	.070	1100.000	.060	1460.000	.040	1687.000	.030	1940.000	0.000
GR	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

REVISIONS IN PROGRESS

X1	26750.000	25.000	1990.000	2132.000	250.000	250.000	250.000	0.000	0.000	0.000
NH	4.000	.070	1094.000	.060	1420.000	.040	1990.000	.030	2132.000	0.000
GR	242.000	1000.000	242.000	1094.000	237.000	1094.000	237.000	1145.000	236.800	1145.000
GR	236.800	1215.000	232.000	1215.000	232.000	1244.000	229.000	1244.000	229.000	1306.000
GR	227.000	1306.000	227.000	1378.000	228.000	1380.000	232.000	1420.000	234.000	1432.000
GR	234.000	1518.000	233.000	1590.000	232.000	1698.000	234.000	1845.000	240.000	1890.000
GR	240.000	1955.000	242.000	1990.000	233.500	2010.000	233.500	2115.000	240.000	2132.000
X1	27000.000	19.000	1687.000	1940.000	250.000	250.000	250.000	0.000	0.000	0.000
NH	4.000	.070	1100.000	.060	1460.000	.040	1687.000	.030	1940.000	0.000
GR	242.000	1000.000	242.000	1040.000	237.000	1040.000	237.000	1080.000	234.000	1080.000
GR	234.000	1100.000	232.000	1110.000	230.000	1357.000	228.000	1420.000	227.400	1440.000
GR	228.000	1450.000	230.000	1460.000	232.000	1550.000	232.000	1634.000	234.000	1660.000
GR	240.000	1687.000	234.000	1705.000	234.000	1910.000	240.000	1940.000	0.000	0.000
X1	27500.000	16.000	1630.000	1780.000	500.000	500.000	500.000	0.000	0.000	0.000
NH	4.000	.070	1058.000	.060	1463.000	.040	1630.000	.030	1780.000	0.000
X4	7.000	247.000	1059.000	247.000	1110.000	232.000	1111.000	232.000	1237.000	247.000
X4	1238.000	247.000	1258.000	232.000	1258.000	0.000	0.000	0.000	0.000	0.000
GR	243.000	1000.000	243.000	1020.000	236.000	1020.000	236.000	1058.000	232.000	1058.000
GR	232.000	1236.000	230.000	1463.000	229.000	1470.000	230.000	1480.000	232.000	1490.000
GR	234.000	1560.000	234.000	1580.000	242.000	1630.000	234.900	1662.000	234.900	1765.000
GR	242.000	1780.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
X1	28000.000	13.000	1710.000	1870.000	500.000	500.000	500.000	0.000	0.000	0.000
NH	4.000	.070	1040.000	.060	1517.000	.040	1710.000	.030	1870.000	0.000
X4	3.000	249.000	1041.000	249.000	1091.000	232.000	1091.000	0.000	0.000	0.000
GR	243.000	1000.000	237.000	1000.000	237.000	1020.000	234.000	1020.000	234.000	1040.000
GR	232.000	1460.000	232.000	1517.000	236.000	1570.000	236.000	1680.000	242.000	1710.000
GR	235.800	1740.000	235.800	1850.000	242.000	1870.000	0.000	0.000	0.000	0.000
X1	28250.000	15.000	1710.000	1868.000	250.000	250.000	250.000	0.000	0.000	0.000
NH	4.000	.070	1100.000	.060	1550.000	.040	1710.000	.030	1868.000	0.000
X4	7.000	249.000	1101.000	249.000	1151.000	232.000	1151.000	232.000	1290.000	247.000
X4	1290.000	247.000	1310.000	232.000	1310.000	0.000	0.000	0.000	0.000	0.000
GR	241.000	1000.000	238.000	1050.000	237.000	1050.000	237.000	1075.000	234.000	1075.000
GR	234.000	1100.000	232.000	1520.000	238.000	1550.000	239.000	1565.000	640.000	1640.000
GR	238.000	1676.000	242.100	1710.000	236.300	1740.000	236.300	1846.000	240.000	1868.000
X1	28500.000	14.000	1860.000	2004.000	250.000	250.000	250.000	0.000	0.000	0.000
NH	4.000	.070	1205.000	.060	1710.000	.040	1860.000	.030	2004.000	0.000
X4	3.000	249.000	1281.000	249.000	1331.000	234.000	1331.000	0.000	0.000	0.000
GR	242.000	1000.000	242.000	1024.000	240.000	1130.000	238.000	1205.000	234.000	1280.000
GR	234.000	1670.000	234.000	1682.000	240.000	1710.000	241.000	1776.000	241.000	1840.000
GR	242.500	1860.000	236.700	1874.000	236.700	1988.000	240.000	2004.000	0.000	0.000
X1	28750.000	14.000	1920.000	2070.000	330.000	185.000	250.000	0.000	0.000	0.000
NH	3.000	.060	1760.000	.030	1920.000	.030	2070.000	0.000	0.000	0.000
X3	0.000	0.000	0.000	0.000	0.000	2070.000	0.000	0.000	0.000	0.000
GR	244.000	1000.000	244.000	1120.000	240.000	1340.000	236.000	1350.000	234.000	1460.000
GR	234.000	1530.000	242.000	1760.000	243.000	1810.000	243.000	1916.000	243.600	1920.000
GR	236.300	1940.000	236.300	2053.000	243.600	2070.000	242.000	2173.000	0.000	0.000
NC	.030	.030	.030	.300	.500	0.000	0.000	0.000	0.000	0.000

CAMELBACK RD.-STA.228+60 TO 288+40-LOW FLOW BRIDGE

X1	28760.000	17.000	490.000	1150.000	10.000	10.000	10.000	0.000	0.000	0.000
X3	0.000	0.000	0.000	0.000	0.000	1150.000	0.000	0.000	0.000	0.000
GR	244.000	0.000	242.000	250.000	241.600	370.000	241.300	490.000	241.000	630.000
GR	243.800	630.000	243.800	740.000	241.000	740.000	241.000	760.000	240.700	840.000
GR	244.300	1010.000	244.500	1050.000	236.600	1050.000	236.600	1150.000	244.500	1150.000
GR	243.400	1350.000	244.000	1470.000	0.000	0.000	0.000	0.000	0.000	0.000

TREES ALONG CAMELBACK RD.

X1	28840.000	20.000	490.000	1150.000	80.000	80.000	80.000	0.000	0.000	0.000
X3	0.000	0.000	0.000	200.000	0.000	1150.000	0.000	0.000	0.000	0.000
GR	244.000	0.000	242.000	250.000	241.600	370.000	241.300	490.000	252.000	490.000

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GR	244.300	1010.000	244.500	1050.000	236.600	1050.000	236.600	1150.000	244.500	1150.000
GR	243.400	1350.000	244.000	1470.000	0.000	0.000	0.000	0.000	0.000	0.000

TREES ALONG CAMELBACK RD.

X1	28840.000	20.000	490.000	1150.000	80.000	80.000	80.000	0.000	0.000	0.000
X3	0.000	0.000	0.000	200.000	0.000	1150.000	0.000	0.000	0.000	0.000
GR	244.000	0.000	242.000	250.000	241.600	370.000	241.300	490.000	252.000	490.000
GR	252.000	540.000	241.200	540.000	241.000	630.000	243.800	630.000	243.800	740.000
GR	241.000	740.000	241.000	760.000	240.700	840.000	244.300	1010.000	244.500	1050.000
GR	236.600	1050.000	236.600	1150.000	244.500	1150.000	243.400	1350.000	244.000	1470.000
NC	.045	.040	.045	.200	.400	0.000	0.000	0.000	0.000	0.000

X1	29000.000	16.000	387.000	1066.000	160.000	160.000	160.000	0.000	0.000	0.000
GR	244.000	0.000	242.000	186.000	240.500	387.000	240.500	665.000	240.600	946.000
GR	240.000	1052.000	240.000	1059.000	242.000	1066.000	243.000	1074.000	242.000	1085.000
GR	240.000	1121.000	239.000	1132.000	240.000	1146.000	242.000	1236.000	244.000	1248.000
GR	246.000	1255.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

X1	29250.000	22.000	183.000	1063.000	250.000	250.000	250.000	0.000	0.000	0.000
GR	244.000	0.000	244.000	145.000	244.000	156.000	242.000	183.000	241.700	315.000
GR	241.200	531.000	242.000	770.000	242.000	788.000	241.000	939.000	240.000	1045.000
GR	240.000	1052.000	242.000	1056.000	243.000	1063.000	242.000	1074.000	242.000	1133.000
GR	242.000	1152.000	242.000	1182.000	242.000	1198.000	242.000	1218.000	244.000	1226.000
GR	246.000	1233.000	248.000	1240.000	0.000	0.000	0.000	0.000	0.000	0.000

X1	29500.000	17.000	522.000	1119.000	250.000	250.000	250.000	0.000	0.000	0.000
GR	246.000	0.000	244.000	63.000	244.000	207.000	244.000	215.000	242.000	522.000
GR	241.200	678.000	242.000	809.000	242.000	823.000	241.300	1026.000	240.000	1109.000
GR	240.000	1115.000	242.000	1119.000	242.000	1179.000	242.000	1292.000	244.000	1312.000
GR	246.000	1342.000	248.000	1355.000	0.000	0.000	0.000	0.000	0.000	0.000
NC	.045	.045	.045	.200	.400	0.000	0.000	0.000	0.000	0.000

X1	30000.000	24.000	480.000	1134.000	500.000	500.000	500.000	0.000	0.000	0.000
GR	248.000	0.000	246.000	48.000	246.000	75.000	246.000	173.000	246.000	229.000
GR	247.000	249.000	246.000	268.000	246.000	480.000	248.000	499.000	248.000	513.000
GR	246.000	556.000	244.000	606.000	242.500	831.000	244.000	962.000	244.000	1010.000
GR	242.000	1116.000	240.000	1127.000	240.000	1130.000	242.000	1134.000	244.000	1154.000
GR	244.000	1174.000	244.000	1182.000	245.000	1366.000	246.000	1539.000	0.000	0.000

X1	30500.000	24.000	550.000	1147.000	500.000	500.000	500.000	0.000	0.000	0.000
GR	250.000	0.000	248.000	12.000	248.000	101.000	247.000	292.000	246.000	550.000
GR	246.000	609.000	244.000	789.000	242.000	798.000	240.000	807.000	238.000	823.000
GR	238.000	944.000	240.000	955.000	242.000	965.000	244.000	975.000	246.000	1042.000
GR	246.000	1111.000	244.000	1131.000	244.000	1136.000	246.000	1147.000	248.000	1453.000
GR	249.500	1477.000	248.000	1507.000	248.000	1668.000	249.200	1783.000	0.000	0.000

X1	31000.000	26.000	419.000	1183.000	500.000	500.000	500.000	0.000	0.000	0.000
GR	250.000	0.000	248.500	130.000	248.000	184.000	246.000	207.000	244.000	218.000
GR	244.000	323.000	246.000	360.000	248.000	389.000	248.000	419.000	247.200	604.000
GR	246.000	702.000	244.000	712.000	244.000	812.000	246.000	819.000	248.000	839.000
GR	250.000	847.000	250.000	861.000	248.000	877.000	248.000	918.000	248.000	930.000
GR	248.000	1183.000	248.000	1214.000	248.000	1291.000	248.500	1482.000	250.000	1749.000
GR	250.000	1776.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

X1	31250.000	28.000	453.000	1156.000	250.000	250.000	250.000	0.000	0.000	0.000
GR	252.000	0.000	252.000	20.000	252.000	55.000	250.000	146.000	248.000	204.000
GR	246.000	211.000	244.000	219.000	244.000	291.000	246.000	308.000	248.000	325.000
GR	248.000	453.000	246.000	462.000	244.000	479.000	244.000	844.000	246.000	851.000
GR	248.000	911.000	248.000	1005.000	248.000	1156.000	250.000	1306.000	252.000	1321.000
GR	252.000	1421.000	250.000	1435.000	250.000	1571.000	251.500	1609.000	252.000	1713.000
GR	252.000	1780.000	252.000	1858.000	253.000	1962.000	0.000	0.000	0.000	0.000
NC	.030	.030	.030	.300	.500	0.000	0.000	0.000	0.000	0.000

TREES ALONG CHAPARRAL RD.

CHAPARRAL RD. LOW FLOW BRIDGE--STA. 31423 TO 31503

REVISIONS IN PROGRESS

GR	246.000	211.000	244.000	219.000	244.000	291.000	246.000	308.000	248.000	325.000
GR	248.000	453.000	246.000	462.000	244.000	479.000	244.000	844.000	246.000	851.000
GR	248.000	911.000	248.000	1005.000	248.000	1156.000	250.000	1306.000	252.000	1321.000
GR	252.000	1421.000	250.000	1435.000	250.000	1571.000	251.500	1609.000	252.000	1713.000
GR	252.000	1780.000	252.000	1858.000	253.000	1962.000	0.000	0.000	0.000	0.000
NC	.030	.030	.030	.300	.500	0.000	0.000	0.000	0.000	0.000

TREES ALONG CHAPARRAL RD.

CHAPARRAL RD. LOW FLOW BRIDGE--STA. 31423 TO 31503

FLOWS CONFINED RIGHT BANK L.F.C.-STA.314+23 TO STA 327+50 Cont is 720' rt of zero pt

			left bank	rt bank						
X1	31423.000	24.000	720.000	1500.000	173.000	173.000	173.000	0.000	0.000	0.000
X3	0.000	0.000	0.000	215.000	0.000	1500.000	0.000	0.000	0.000	0.000
GR	252.700	0.000	252.000	170.000	250.000	400.000	249.500	610.000	260.000	610.000
GR	260.000	680.000	249.400	680.000	249.300	720.000	248.800	870.000	251.200	870.000
GR	251.200	970.000	248.600	970.000	248.500	1030.000	249.000	1310.000	252.300	1360.000
GR	252.500	1400.000	245.200	1400.000	245.200	1500.000	252.500	1500.000	251.600	1830.000
GR	252.000	1880.000	254.000	1920.000	256.000	2170.000	257.000	2360.000	0.000	0.000

Sub inverts along edge of road

Cont in is 875' rt of zero pt.

X1	31503.000	20.000	720.000	1500.000	80.000	80.000	80.000	0.000	0.000	0.000
X3	0.000	0.000	0.000	0.000	0.000	1500.000	0.000	0.000	0.000	0.000
GR	252.700	0.000	252.000	170.000	250.000	400.000	249.300	720.000	248.800	870.000
GR	251.200	870.000	251.200	970.000	248.600	970.000	248.500	1030.000	249.000	1310.000
GR	252.300	1360.000	252.500	1400.000	245.200	1400.000	245.200	1500.000	252.500	1500.000
GR	251.600	1830.000	252.000	1880.000	254.000	1920.000	256.000	2170.000	257.000	2360.000
NC	.040	.040	.030	.200	.400	0.000	0.000	0.000	0.000	0.000

along the north edge of road

X1	31750.000	22.000	138.000	705.000	247.000	247.000	247.000	0.000	0.000	0.000
X3	0.000	0.000	0.000	0.000	0.000	1080.000	0.000	0.000	0.000	0.000
GR	254.000	0.000	252.000	30.000	250.000	43.000	248.000	124.000	246.000	138.000
GR	246.000	705.000	248.000	730.000	250.000	787.000	250.000	823.000	250.000	834.000
GR	250.000	899.000	250.000	912.000	250.000	920.000	246.200	940.000	246.200	1051.500
GR	253.500	1080.000	251.000	1090.000	251.700	1162.000	252.000	1191.000	254.000	1440.000
GR	256.000	1726.000	258.000	1925.000	0.000	0.000	0.000	0.000	0.000	0.000

X1	32000.000	21.000	90.000	595.000	250.000	250.000	250.000	0.000	0.000	0.000
X3	0.000	0.000	0.000	0.000	0.000	980.000	0.000	0.000	0.000	0.000
GR	254.000	0.000	252.000	10.000	250.000	34.000	248.000	77.000	246.000	90.000
GR	246.000	199.000	248.000	219.000	248.000	238.000	246.000	268.000	246.000	595.000
GR	248.000	670.000	249.200	720.000	250.000	755.000	250.000	820.000	247.000	840.000
GR	247.000	951.500	253.700	980.000	251.600	990.000	252.000	1080.000	254.000	1245.000
GR	256.000	1540.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

X1	32500.000	19.000	343.000	594.000	500.000	500.000	500.000	0.000	0.000	0.000
X3	0.000	0.000	0.000	0.000	0.000	1000.000	0.000	0.000	0.000	0.000
GR	255.600	0.000	254.000	12.000	252.000	29.000	250.000	134.000	248.000	343.000
GR	246.000	361.000	246.000	594.000	248.000	636.000	250.000	693.000	252.000	755.000
GR	252.000	807.000	250.500	840.000	248.200	860.000	248.200	971.500	254.500	1000.000
GR	252.000	1010.000	252.000	1035.000	254.000	1100.000	256.000	1180.000	0.000	0.000

X1	32750.000	21.000	490.000	665.000	250.000	250.000	250.000	0.000	0.000	0.000
X3	0.000	0.000	0.000	0.000	0.000	1010.000	0.000	0.000	0.000	0.000
GR	256.000	0.000	255.000	20.000	254.000	55.000	252.000	85.000	250.000	150.000
GR	250.000	190.000	248.000	370.000	246.000	490.000	246.000	665.000	248.000	685.000
GR	250.000	715.000	250.300	730.000	252.000	780.000	252.000	820.000	252.000	850.000
GR	249.000	870.000	249.000	981.500	255.000	1010.000	252.000	1020.000	252.000	1050.000
GR	254.000	1120.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

X1	33000.000	25.000	499.000	1207.000	250.000	250.000	250.000	0.000	0.000	0.000
X3	0.000	0.000	0.000	104.000	260.000	1207.000	0.000	0.000	0.000	0.000
GR	256.000	0.000	256.000	30.000	258.000	52.000	260.000	64.000	260.000	104.000
GR	258.000	227.000	256.000	244.000	254.000	261.000	252.000	275.000	250.000	310.000
GR	248.000	420.000	246.000	499.000	246.000	717.000	248.000	774.000	250.000	844.000
GR	252.000	899.000	254.000	908.000	256.000	916.000	256.000	953.000	254.000	958.000
GR	252.000	966.000	251.000	1104.000	252.000	1195.000	254.000	1202.000	256.000	1207.000
NC	.040	.040	.040	.200	.400	0.000	0.000	0.000	0.000	0.000

X1	33000.000	25.000	499.000	1207.000	250.000	250.000	250.000	0.000	0.000	0.000
X3	0.000	0.000	0.000	104.000	260.000	1207.000	0.000	0.000	0.000	0.000
GR	256.000	0.000	256.000	30.000	258.000	52.000	260.000	64.000	260.000	104.000
GR	258.000	227.000	256.000	244.000	254.000	261.000	252.000	275.000	250.000	310.000
GR	248.000	420.000	246.000	499.000	246.000	717.000	248.000	774.000	250.000	844.000
GR	252.000	899.000	254.000	908.000	256.000	916.000	256.000	953.000	254.000	958.000
GR	252.000	966.000	251.000	1104.000	252.000	1195.000	254.000	1202.000	256.000	1207.000
NC	.040	.040	.040	.200	.400	0.000	0.000	0.000	0.000	0.000
X1	33500.000	27.000	660.000	1216.000	500.000	500.000	500.000	0.000	0.000	0.000
X3	0.000	0.000	0.000	125.000	260.000	1216.000	0.000	0.000	0.000	0.000
GR	257.000	0.000	256.000	13.000	256.000	21.000	258.000	37.000	260.000	56.000
GR	262.000	70.000	262.000	125.000	260.000	315.000	258.000	323.000	256.000	347.000
GR	254.000	363.000	252.000	422.000	251.600	660.000	250.000	827.000	250.000	847.000
GR	252.000	885.000	254.000	901.000	256.000	911.000	258.000	922.000	258.000	946.000
GR	256.000	959.000	254.000	968.000	252.000	1089.000	252.000	1125.000	254.000	1197.000
GR	256.000	1205.000	258.000	1216.000	0.000	0.000	0.000	0.000	0.000	0.000
X1	34000.000	23.000	730.000	1207.000	500.000	500.000	500.000	0.000	0.000	0.000
X3	0.000	0.000	0.000	315.000	0.000	1207.000	0.000	0.000	0.000	0.000
GR	259.000	0.000	258.700	50.000	257.600	120.000	257.600	200.000	257.600	315.000
GR	256.000	360.000	254.000	383.000	254.000	496.000	254.000	523.000	253.600	730.000
GR	254.000	826.000	256.000	836.000	258.000	859.000	259.000	929.000	258.000	953.000
GR	256.000	962.000	254.000	992.000	252.000	1002.000	252.000	1158.000	254.000	1173.000
GR	256.000	1191.000	258.000	1199.000	260.000	1207.000	0.000	0.000	0.000	0.000
X1	34500.000	19.000	661.000	981.000	500.000	500.000	500.000	0.000	0.000	0.000
GR	262.000	0.000	260.000	7.000	258.000	20.000	256.000	146.000	256.000	437.000
GR	256.000	464.000	256.000	490.000	256.000	661.000	255.000	685.000	256.000	711.000
GR	258.000	765.000	260.000	790.000	260.000	831.000	258.000	840.000	256.000	857.000
GR	255.200	911.000	256.000	964.000	258.000	973.000	260.000	981.000	0.000	0.000

BACKSTOP FENCE BLOCKED OFF; STA. 35000

X1	35000.000	19.000	820.000	1000.000	500.000	500.000	500.000	0.000	0.000	0.000
GR	264.000	0.000	260.000	15.000	258.000	35.000	258.000	130.000	258.800	225.000
GR	300.000	225.000	300.000	450.000	258.800	450.000	258.000	565.000	258.000	720.000
GR	260.000	785.000	261.500	820.000	260.000	840.000	256.000	870.000	256.000	930.000
GR	258.000	970.000	260.000	985.000	264.500	1000.000	265.400	1600.000	0.000	0.000
X1	35500.000	22.000	825.000	1010.000	500.000	500.000	500.000	0.000	0.000	0.000
GR	264.000	0.000	262.000	10.000	260.000	25.000	259.200	70.000	260.000	150.000
GR	258.200	400.000	258.400	540.000	260.000	580.000	262.000	600.000	262.000	660.000
GR	260.000	720.000	262.000	790.000	262.000	825.000	260.000	845.000	256.000	865.000
GR	256.000	880.000	258.000	940.000	260.000	970.000	264.000	1010.000	265.800	1100.000
GR	265.600	1380.000	266.000	1440.000	0.000	0.000	0.000	0.000	0.000	0.000
X1	35750.000	26.000	820.000	1000.000	250.000	250.000	250.000	0.000	0.000	0.000
GR	264.000	0.000	262.000	10.000	260.000	30.000	260.000	65.000	256.000	75.000
GR	256.000	110.000	262.000	120.000	262.000	235.000	260.000	350.000	258.000	450.000
GR	260.000	530.000	262.000	630.000	263.000	640.000	262.000	650.000	260.000	660.000
GR	260.000	700.000	262.000	775.000	262.700	820.000	262.000	830.000	260.000	835.000
GR	258.000	870.000	257.000	890.000	258.000	915.000	260.000	930.000	266.000	1000.000
GR	267.000	1200.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
X1	36030.000	19.000	820.000	1000.000	280.000	280.000	280.000	0.000	0.000	0.000
GR	270.000	0.000	270.000	280.000	262.000	280.000	260.000	300.000	259.200	400.000
GR	260.000	450.000	268.000	500.000	266.000	520.000	256.000	555.000	256.000	615.000
GR	260.000	710.000	262.000	780.000	263.000	820.000	262.000	835.000	260.000	845.000
GR	258.000	900.000	260.000	940.000	266.000	1000.000	267.600	1050.000	0.000	0.000
X1	36250.000	20.000	825.000	1030.000	220.000	220.000	220.000	0.000	0.000	0.000
GR	270.000	0.000	270.000	300.000	262.000	300.000	260.000	345.000	259.500	420.000
GR	260.000	500.000	268.000	535.000	270.000	545.000	268.000	565.000	264.000	590.000
GR	262.000	630.000	260.200	650.000	262.000	715.000	263.000	825.000	262.000	840.000
GR	260.000	850.000	259.000	900.000	260.000	1000.000	266.000	1030.000	266.600	1150.000

[illegible]	[illegible]	[illegible]	262.000	760.000	263.000	820.000	262.000	835.000	260.000	845.000
GR	258.000	900.000	260.000	940.000	266.000	1000.000	267.600	1050.000	0.000	0.000
X1	36250.000	20.000	825.000	1030.000	220.000	220.000	220.000	0.000	0.000	0.000
GR	270.000	0.000	270.000	300.000	262.000	300.000	260.000	345.000	259.500	420.000
GR	260.000	500.000	268.000	535.000	270.000	545.000	268.000	565.000	264.000	590.000
GR	262.000	630.000	260.200	650.000	262.000	715.000	263.000	825.000	262.000	840.000
GR	260.000	850.000	259.000	900.000	260.000	1000.000	266.000	1030.000	266.600	1150.000
X1	36500.000	19.000	830.000	1170.000	250.000	250.000	250.000	0.000	0.000	0.000
GR	270.000	0.000	270.000	300.000	262.000	300.000	260.500	420.000	262.000	550.000
GR	266.000	575.000	268.000	590.000	266.000	610.000	262.000	630.000	261.000	660.000
GR	262.000	720.000	264.000	815.000	264.500	830.000	264.000	845.000	260.000	860.000
GR	259.500	1000.000	260.000	1150.000	266.000	1170.000	267.500	1230.000	0.000	0.000
X1	36650.000	21.000	830.000	1160.000	150.000	150.000	150.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	270.000	0.000	270.000	230.000	261.500	230.000	261.600	300.000	262.000	555.000
GR	264.000	580.000	265.200	590.000	264.000	600.000	262.000	605.000	261.200	650.000
GR	262.000	670.000	262.000	710.000	264.000	810.000	265.500	830.000	264.000	860.000
GR	260.000	900.000	259.600	1000.000	260.000	1115.000	262.000	1140.000	266.000	1160.000
GR	267.200	1300.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
X1	36717.000	15.000	940.000	1154.000	67.000	67.000	67.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	265.000	273.000	0.000
GR	270.000	0.000	270.000	150.000	265.400	150.000	263.400	260.000	262.400	480.000
GR	261.600	600.000	262.000	620.000	264.000	780.000	266.000	850.000	268.950	940.000
GR	260.000	940.000	260.000	1154.000	271.000	1154.000	266.000	1350.000	267.000	1840.000
X1	36718.000	27.000	940.000	1154.000	1.000	1.000	1.000	0.000	0.000	0.000
X2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	265.000	273.000	0.000
BT	27.000	0.000	270.000	270.000	150.000	270.000	270.000	150.000	265.400	265.400
BT	260.000	263.400	263.400	480.000	262.400	262.400	600.000	261.600	261.600	620.000
BT	262.000	262.000	780.000	264.000	264.000	850.000	266.000	266.000	940.000	268.950
BT	268.950	940.000	269.450	267.000	985.000	270.400	267.700	985.000	270.400	267.700
BT	991.000	270.400	267.700	991.000	270.400	267.700	1044.000	271.100	268.600	1044.000
BT	271.100	268.600	1050.000	271.100	268.600	1050.000	271.100	268.600	1103.000	271.500
BT	269.000	1103.000	271.500	269.000	1109.000	271.500	269.000	1109.000	271.500	269.000
BT	1154.000	271.500	269.000	1154.000	271.000	271.000	1350.000	266.000	266.000	1840.000
BT	267.000	267.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	270.000	0.000	270.000	150.000	265.400	150.000	263.400	260.000	262.400	480.000
GR	261.600	600.000	262.000	620.000	264.000	780.000	266.000	850.000	268.950	940.000
GR	260.000	940.000	260.000	985.000	267.700	985.000	267.700	991.000	260.000	991.000
GR	260.000	1044.000	268.600	1044.000	268.600	1050.000	260.000	1050.000	260.000	1103.000
GR	269.000	1103.000	269.000	1109.000	260.000	1109.000	260.000	1154.000	271.000	1154.000
GR	266.000	1350.000	267.000	1840.000	0.000	0.000	0.000	0.000	0.000	0.000
X1	36793.000	0.000	0.000	0.000	76.000	76.000	76.000	0.000	0.000	0.000
X2	0.000	0.000	0.000	0.000	0.000	0.000	1.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	265.000	273.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	205.000	269.000	0.000
X1	36794.000	15.000	940.000	1154.000	1.000	1.000	1.000	0.000	0.000	0.000
GR	268.000	0.000	266.000	100.000	265.400	150.000	263.400	260.000	262.400	480.000
GR	261.600	600.000	262.000	620.000	264.000	780.000	266.000	850.000	268.950	940.000
GR	260.000	940.000	260.000	1154.000	271.000	1154.000	266.000	1350.000	267.000	1840.000
NC	.032	.015	.032	.200	.400	0.000	0.000	0.000	0.000	0.000
X1	36900.000	10.000	668.000	880.000	106.000	106.000	106.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	273.000	0.000	261.700	45.000	261.700	485.000	263.000	495.000	263.000	525.000
GR	265.700	668.000	260.700	668.000	260.700	880.000	265.700	880.000	270.700	895.000
EJ	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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*PROF 1

CCHV=    .200 CEHV=    .400
*SECNO 11061.000
   SECNO      DEPTH      CWSEL      CRIWS      WSELK      EG         HV         HL         OLOSS    BANK ELEV
   Q          QLOB       QCH        QROB       ALOB       ACH        AROB       VOL        TWA    LEFT/RIGHT
   TIME       VLOB       VCH        VROB       XNL        XNCH       XNR        WTN        ELMIN       SSTA
   SLOPE      XLOBL      XLCH       XLOBR      ITRIAL     IDC        ICONT      CORAR      TOPWID      ENDST

3720 CRITICAL DEPTH ASSUMED

          STA.     11061    ALONG CENTERLINE DROP STRUCTURE

 11061.00      9.99    195.99    195.99    196.00    198.61      2.62      0.00      0.00    200.00
   30000.        0.    30000.        0.        0.     2308.        0.        0.        0.    200.00
     0.00      0.00     13.00      0.00      .080      .035      .080     0.000    186.00     16.04
  .010754        0.        0.        0.         0         4         0      0.00    451.92    467.96

FLOW DISTRIBUTION FOR SECNO=  11061.00          CWSEL=    195.99

STA=       16.      484.
  PER Q=    100.0
   AREA=   2307.5
    VEL=     13.0

*SECNO 11111.000

3301 HV CHANGED MORE THAN HVINS

 11111.00      6.32    198.32      0.00      0.00    199.22       .90       .26       .34    200.00
   30000.        0.    30000.        0.        0.     3941.        0.        4.        1.    200.00
      .00      0.00      7.61      0.00      .080      .035      .080      .034    192.00      6.73
  .003006       50.       50.       50.         5         0         0      0.00    665.06    671.79

FLOW DISTRIBUTION FOR SECNO=  11111.00          CWSEL=    198.32

STA=        7.      676.
  PER Q=    100.0
   AREA=   3940.6
    VEL=      7.6

CCHV=    .200 CEHV=    .400
*SECNO 11161.000
3280 CROSS SECTION  11161.00 EXTENDED      2.59 FEET

 11161.00      6.58    198.58      0.00      0.00    199.39       .81       .16       .02    196.00
   30000.        0.    30000.        0.        0.     4163.        0.        8.        1.    200.00
      .00      0.00      7.21      0.00      .040      .040      .040      .037    192.00      0.00
  .003217       50.       50.       50.         2         0         0      0.00    654.56    654.56

FLOW DISTRIBUTION FOR SECNO=  11161.00          CWSEL=    198.58

STA=        0.      658.
  PER Q=    100.0
   AREA=   4163.5
    VEL=      7.2

CCHV=    .200 CEHV=    .400
*SECNO 11300.000
3280 CROSS SECTION  11300.00 EXTENDED       .80 FEET

 11300.00      8.80    198.80      0.00      0.00    199.79       .99       .32       .07    194.00
   30000.      209.    28720.     1072.       70.     3542.      228.       21.        3.    192.00
      .01      2.98      8.11      4.69      .040      .030      .040      .033    190.00      0.00
  .001736      150.      139.      150.         2         0         0      0.00    527.19    527.19

FLOW DISTRIBUTION FOR SECNO=  11300.00          CWSEL=    198.80
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11300.00      8.80    198.80      0.00      0.00    199.79       .99       .32       .07    194.00
   30000.      209.    28720.     1072.       70.     3542.      228.       21.        3.    192.00
     .01      2.98      8.11      4.69      .040      .030      .040      .033    190.00      0.00
 .001736      150.      139.      150.         2         0         0      0.00    527.19    527.19

FLOW DISTRIBUTION FOR SECNO=  11300.00          CWSEL=    198.80

STA=        0.       25.      480.      500.      527.
  PER Q=      .7     95.7       2.5       1.1
   AREA=    69.9   3542.4     135.9      92.4
    VEL=     3.0      8.1       5.6       3.4

*SECNO 11500.000
3280 CROSS SECTION  11500.00 EXTENDED       1.39 FEET

   SECNO     DEPTH     CWSEL     CRIWS     WSELK        EG        HV        HL     OLOSS   BANK ELEV
   Q         QLOB      QCH       QROB      ALOB       ACH      AROB       VOL       TWA   LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL        XNCH     XNR        WTN      ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL     IDC      ICONT      CORAR    TOPWID      ENDST

11500.00      9.39    199.39      0.00      0.00    200.11       .72       .27       .05    190.00
   30000.     4459.   23847.     1694.      988.     3268.      380.       41.        6.    190.00
     .02      4.52      7.30      4.46      .040      .030      .040      .031    190.00      0.00
 .001095      200.      200.      200.         2         0         0      0.00    559.56    559.56

FLOW DISTRIBUTION FOR SECNO=  11500.00          CWSEL=    199.39

STA=        0.       32.       90.      145.      150.      498.      500.      530.      560.
  PER Q=     1.0       5.2       7.8        .9      79.5        .3       4.3       1.0
   AREA=   108.5     370.6     461.5      47.0    3267.8      18.8     251.7     109.2
    VEL=     2.7       4.2       5.1       5.5       7.3       5.5       5.1       2.9

CCHV=     .200 CEHV=     .400
*SECNO 11800.000
3280 CROSS SECTION  11800.00 EXTENDED        .98 FEET

11800.00      9.98    199.98      0.00      0.00    200.56       .58       .42       .03    190.00
   30000.     7197.   17664.     5139.     1247.     2695.     1095.       74.       10.    194.00
     .03      5.77      6.56      4.69      .040      .040      .040      .035    190.00      0.00
 .001818      300.      300.      300.         2         0         0      0.00    749.90    749.90

FLOW DISTRIBUTION FOR SECNO=  11800.00          CWSEL=    199.98

STA=        0.       40.      165.      180.      190.      510.      640.      690.      710.      744.      750.
  PER Q=     1.7      16.8       3.1       2.4      58.9      12.6       3.5        .7        .3        .0
   AREA=   139.3     872.9     134.7      99.8    2694.5     745.3     236.6      59.7      50.4       2.9
    VEL=     3.6       5.8       6.8       7.3       6.6       5.1       4.5       3.3       2.1       1.0

*SECNO 11930.000

3265 DIVIDED FLOW

3280 CROSS SECTION  11930.00 EXTENDED        .14 FEET

          BACKSTOP  FENCE AT    119+30  BLOCKED OUT

11930.00     10.14    200.14      0.00      0.00    200.91       .77       .27       .08    190.00
   30000.    11921.   15417.     2662.     1599.     2192.      565.       88.       12.    220.00
     .04      7.45      7.03      4.71      .040      .040      .040      .036    190.00      0.00
 .002423      120.      130.      160.         2         0         0      0.00    636.40    751.40

FLOW DISTRIBUTION FOR SECNO=  11930.00          CWSEL=    200.14

STA=        0.       40.       80.      210.      495.      710.      750.
  PER Q=     1.6       6.5      31.7      51.4       8.0        .9
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 11930.00    10.14   200.14     0.00     0.00   200.91      .77      .27      .08   190.00
   30000.    11921.   15417.    2662.    1599.    2192.     565.      88.      12.   220.00
      .04     7.45     7.03     4.71     .040     .040     .040     .036   190.00     0.00
  .002423     120.     130.     160.        2        0        0     0.00   636.40   751.40

FLOW DISTRIBUTION FOR SECNO=  11930.00          CWSEL=    200.14

STA=        0.       40.       80.      210.      495.      710.      750.
  PER Q=     1.6       6.5      31.7      51.4       8.0       .9
   AREA=   125.6     285.6    1188.1    2191.8     479.0     85.6
    VEL=     3.9       6.8       8.0       7.0       5.0       3.0

*SECNO 12100.000
3280 CROSS SECTION  12100.00 EXTENDED        .62 FEET

 12100.00     8.62   200.62     0.00     0.00   201.37      .75      .46      .00   192.00
   30000.    6699.   17214.    6087.     947.    2306.    1218.     107.      15.   196.00
      .04     7.07     7.46     5.00     .040     .040     .040     .036   192.00     0.00
  .002661     170.     180.     210.        2        0        0     0.00   749.32   749.32

FLOW DISTRIBUTION FOR SECNO=  12100.00          CWSEL=    200.62

STA=        0.       30.      140.      440.      530.      650.      710.      740.      749.
  PER Q=     1.6      20.7      57.4       7.1       9.5       3.3       .4       .0
   AREA=   108.6     838.3    2306.3     406.9     542.5     217.3     48.6      2.9
    VEL=     4.4       7.4       7.5       5.2       5.2       4.5       2.6       .9

*SECNO 12400.000

3265 DIVIDED FLOW

        BACKSTOP FENCE A 124+00 BLOCKED OUT

 12400.00     9.41   201.41     0.00     0.00   202.16      .75      .79      .00   192.00
   30000.    9939.   11467.    8594.    1442.    1398.    1717.     138.      21.   196.00
      .06     6.89     8.20     5.01     .040     .040     .040     .037   192.00     4.44
  .002600     300.     300.     300.        2        0        0     0.00   791.01   845.45

FLOW DISTRIBUTION FOR SECNO=  12400.00          CWSEL=    201.41

STA=        4.       15.       65.      130.      165.      235.      390.      460.      800.      845.
  PER Q=      .0       2.4       9.1       6.2      15.4      38.2       6.9      21.0       .7
   AREA=     7.4     170.4     416.6     259.3     588.6    1398.3     375.1    1264.0      77.5
    VEL=     1.5       4.3       6.5       7.2       7.8       8.2       5.5       5.0       2.7

CCHV=    .200 CFHV=    .400
*SECNO 12700.000
   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS     BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA       LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN     SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID    ENDST

 12700.00     8.19   202.19     0.00     0.00   203.26     1.06      .97      .12   194.00
   30000.    1427.   24115.    4458.     497.    2672.    1059.     168.      27.   198.00
      .07     2.87     9.03     4.21     .100     .040     .045     .038   194.00   118.56
  .004305     200.     300.     360.        2        0        0     0.00  1089.11  1207.67

FLOW DISTRIBUTION FOR SECNO=  12700.00          CWSEL=    202.19

STA=      119.      320.      340.      350.      415.      790.      980.     1040.     1170.     1200.     1208.
  PER Q=      .0       .1       .2       4.4      80.4       9.5       1.6       3.5       .3       .0
   AREA=    38.4      23.8      31.9     402.5    2671.9     606.5     131.5     284.9      35.8       .7
    VEL=      .3       1.1       2.1       3.3       9.0       4.7       3.7       3.7       2.4       .5

*SECNO 13000.000
 13000.00     9.71   203.71     0.00     0.00   204.33      .62      .99      .09   196.00
   30000.    2108.   22130.    5762.     865.    3152.    1411.     201.      34.   199.00
      .08     2.44     7.02     4.08     .100     .040     .045     .038   194.00    49.29
  .002588     300.     300.     300.        2        0        0     0.00   994.96  1044.26
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STA=      119.      320.      340.      350.      415.      790.      980.     1040.     1170.     1200.     1208.
  PER Q=      .0       .1       .2      4.4      80.4       9.5       1.6       3.5        .3        .0
  AREA=    38.4     23.8     31.9    402.5    2671.9     606.5     131.5     284.9      35.8        .7
   VEL=      .3      1.1      2.1       3.3       9.0       4.7       3.7       3.7       2.4        .5

*SECNO 13000.000
 13000.00     9.71   203.71     0.00     0.00   204.33      .62       .99       .09    196.00
   30000.     2108.   22130.   5762.     865.    3152.    1411.      201.      34.     199.00
      .08     2.44     7.02     4.08     .100     .040     .045      .038    194.00     49.29
  .002588     300.     300.     300.        2        0        0      0.00    994.96   1044.26

FLOW DISTRIBUTION FOR SECNO=  13000.00          CWSEL=    203.71

STA=       49.       55.       70.      130.      210.      650.      780.      990.     1010.     1044.
  PER Q=      .0       .2      2.0      4.8      73.8       8.0      10.5        .6        .1
  AREA=     4.9     40.7    282.8    537.0   3151.6     547.7     779.7      54.3      29.3
   VEL=      .7      1.5      2.1      2.7       7.0       4.4       4.0       3.3       1.5

CCHV=    .200 CEHV=    .400
*SECNO 13220.000

3265 DIVIDED FLOW

 13220.00    10.17   204.17     0.00     0.00   204.96      .80       .56       .07    196.00
   30000.    2885.   26581.    535.     477.    3622.     268.      226.      39.     200.00
      .09     6.05     7.34     1.99     .040     .040     .045      .038    194.00     68.13
  .002527     220.     220.     220.        2        0        0      0.00    826.63   1138.12

FLOW DISTRIBUTION FOR SECNO=  13220.00          CWSEL=    204.17

STA=       68.       90.      125.      160.      625.      635.      830.     1135.     1138.
  PER Q=      .5      3.4      5.8     88.6       .4      1.4        .0        .0
  AREA=    45.6    180.8    250.8   3622.3     31.7    227.4      8.9        .3
   VEL=      3.0      5.6      6.9       7.3       3.5       1.8       .5        .3

*SECNO 13375.000

3265 DIVIDED FLOW

 13375.00    10.84   204.84     0.00     0.00   205.31      .46       .28       .07    198.00
   30000.     622.   24195.   5183.     161.    4114.    1678.      244.      42.     198.00
      .10     3.87     5.88     3.09     .040     .040     .045      .038    194.00     71.83
  .001350     155.     155.     155.        2        0        0      0.00   1032.61   1121.15

FLOW DISTRIBUTION FOR SECNO=  13375.00          CWSEL=    204.84

STA=       72.       90.      110.      570.      660.      840.      871.      930.      960.      980.     1100.     1121.
  PER Q=      .4      1.7     80.6      6.9       6.9       .2        .7       1.7        .5        .4        .0
  AREA=    44.0    116.9   4114.2    526.2     692.3     43.8     103.0     145.4      56.9     101.5       9.0
   VEL=      2.4      4.4      5.9       3.9       3.0       1.5       2.2       3.5       2.4       1.1        .7

*SECNO 13540.000
 13540.00    11.01   205.01     0.00     0.00   205.63      .62       .26       .06    200.00
   30000.     138.   27602.   2260.      47.    4214.     831.      265.      46.     200.00
      .10     2.92     6.55     2.72     .040     .040     .045      .038    194.00    241.20
  .001900     165.     165.     165.        2        0        0      0.00    891.99   1133.20

FLOW DISTRIBUTION FOR SECNO=  13540.00          CWSEL=    205.01

STA=      241.      260.      778.      800.      960.     1133.
  PER Q=      .5     92.0      1.1      4.8      1.6
  AREA=    47.1   4214.3     88.3    481.9    260.8
   VEL=      2.9      6.5      3.6       3.0       1.9

*SECNO 13750.000
   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS     BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA     LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

 13750.00     9.40   205.40     0.00     0.00   206.08      .69       .42       .03    200.00
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   VEL=      2.9       6.5       3.6       3.0       1.9

*SECNO 13750.000
   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS     BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA       LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN     SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID    ENDST

 13750.00      9.40    205.40      0.00      0.00    206.08       .69       .42       .03    200.00
   30000.     281.     24413.    5305.       85.     3433.     1286.     289.       50.     198.00
      .11      3.31      7.11      4.13      .040      .040      .045      .039    196.00    308.52
  .002156     210.      210.      210.         2         0         0      0.00    751.50   1060.01

FLOW DISTRIBUTION FOR SECNO=  13750.00          CWSEL=    205.40

STA=      309.      340.      750.      772.     1015.     1060.
  PER Q=      .9      81.4       2.5      14.7       .6
   AREA=    85.0    3432.9     140.7    1068.5     76.5
    VEL=     3.3       7.1       5.3       4.1      2.2

*SECNO 14000.000

3265 DIVIDED FLOW

 14000.00      9.90    205.90      0.00      0.00    206.60       .70       .51       .00    202.00
   30000.      96.     26775.    3129.       38.     3829.     924.      316.       55.     198.00
      .12      2.51      6.99      3.39      .040      .040      .045      .039    196.00    320.48
  .001921     250.      250.      250.         0         0         0      0.00    905.12   1243.40

FLOW DISTRIBUTION FOR SECNO=  14000.00          CWSEL=    205.90

STA=      320.      340.      770.      795.      870.      905.     1195.     1243.
  PER Q=      .3      89.3       3.0       5.1      1.0       1.3       .0
   AREA=    38.1    3828.8     172.6     367.8    101.6     276.5      5.1
    VEL=     2.5       7.0       5.2       4.2      2.9       1.4       .5

*SECNO 14150.000

3265 DIVIDED FLOW

3280 CROSS SECTION  14150.00 EXTENDED        .16 FEET

 14150.00     10.16    206.16      0.00      0.00    206.90       .74       .29       .02    200.00
   30000.     728.     28645.    628.       214.     4083.     368.      333.       58.     202.00
      .13      3.41      7.02      1.71      .040      .040      .045      .039    196.00    300.67
  .001885     150.      150.      150.         2         0         0      0.00    817.75   1230.00

FLOW DISTRIBUTION FOR SECNO=  14150.00          CWSEL=    206.16

STA=      301.      370.      820.      830.      960.     1190.     1205.     1225.     1230.
  PER Q=      2.4      95.5       .2       .1      1.4       .0       .3       .1
   AREA=   213.6    4083.1      21.7      19.5    267.4      6.2     43.2      9.6
    VEL=     3.4       7.0       2.2       1.5      1.6       .8      2.4      1.9

*SECNO 14400.000
 14400.00     12.70    206.70      0.00      0.00    207.33       .63       .41       .02    200.00
   30000.     530.     29050.    419.       168.     4491.     311.      360.       62.     202.00
      .14      3.15      6.47      1.35      .040      .040      .045      .039    194.00    299.77
  .001454     250.      250.      250.         2         0         0      0.00    890.12   1189.88

FLOW DISTRIBUTION FOR SECNO=  14400.00          CWSEL=    206.70

STA=      300.      350.      810.      840.     1150.     1190.
  PER Q=      1.8      96.8       .7       .7       .0
   AREA=   168.2    4491.1      80.9     216.4     13.9
    VEL=     3.2       6.5       2.4       1.0       .6

*SECNO 14575.000
 14575.00     12.95    206.95      0.00      0.00    207.57       .62       .24       .00    200.00
   30000.     285.     29342.    373.        97.     4603.     141.      380.       65.     200.00
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FLOW DISTRIBUTION FOR SECNO=  14400.00          CWSEL=    206.70

STA=      300.      350.      810.      840.     1150.     1190.
  PER Q=     1.8      96.8       .7       .7        .0
   AREA=   168.2    4491.1     80.9    216.4      13.9
    VEL=     3.2       6.5      2.4      1.0        .6

*SECNO 14575.000
 14575.00    12.95   206.95     0.00     0.00   207.57      .62      .24      .00   200.00
   30000.      285.   29342.     373.      97.     4603.     141.     380.      65.   200.00
      .15     2.95     6.37     2.65     .040     .040     .045     .039   194.00   312.21
  .001249     175.     175.     175.        2        0        0     0.00   498.33   810.53

FLOW DISTRIBUTION FOR SECNO=  14575.00          CWSEL=    206.95

STA=      312.      340.      770.      811.
  PER Q=      .9      97.8     1.2
   AREA=    96.6    4602.8   140.8
    VEL=     3.0       6.4      2.7

*SECNO 14750.000
   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS   BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA   LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN      SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID     ENDST

 14750.00    13.27   207.27     0.00     0.00   207.78      .52      .19      .02   198.00
   30000.      572.   27890.    1538.     179.     4689.     782.     401.      68.   200.00
      .16     3.20     5.95     1.97     .040     .040     .045     .039   194.00   291.39
  .000995     175.     175.     175.        2        0        0     0.00   799.27  1090.66

FLOW DISTRIBUTION FOR SECNO=  14750.00          CWSEL=    207.27

STA=      291.      330.      740.      750.      765.     1040.     1091.
  PER Q=     1.9      93.0       .7       .6      3.7        .1
   AREA=   178.9    4689.3     62.7     64.0    623.3      32.1
    VEL=     3.2       5.9      3.5      2.7      1.8        .8

CCHV=     .200 CEHV=     .400
*SECNO 15000.000

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA=      209.50 ELREA=      207.50

 15000.00    13.42   207.42     0.00     0.00   207.97      .55      .17      .01   196.00
   30000.        0.   30000.       0.       0.     5039.       0.     432.      71.   200.00
      .17     0.00     5.95     0.00     .040     .030     .045     .038   194.00   465.00
  .000490     250.     250.     250.        3        0        0     0.00   395.00   860.00

FLOW DISTRIBUTION FOR SECNO=  15000.00          CWSEL=    207.42

STA=      465.      860.
  PER Q=   100.0
   AREA=  5039.1
    VEL=     6.0

*SECNO 15150.000

3301 HV CHANGED MORE THAN HVINS

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA=      209.50 ELREA=      207.50

 15150.00    11.87   206.87     0.00     0.00   208.54     1.67      .12      .45   196.00
   30000.        0.   30000.       0.       0.     2889.       0.     445.      72.   196.00
      .17     0.00    10.38     0.00     .040     .030     .045     .038   195.00   590.00
  .001697     150.     150.     150.        4        0        0     0.00   250.00   840.00

FLOW DISTRIBUTION FOR SECNO=  15150.00          CWSEL=    206.87

STA=      590.      840.
  PER Q=   100.0
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 15150.00    11.87   206.87     0.00     0.00   208.54     1.67      .12      .45   196.00
   30000.       0.   30000.       0.       0.    2889.       0.     445.      72.   196.00
      .17     0.00    10.38     0.00     .040     .030     .045     .038   195.00   590.00
  .001697     150.     150.     150.        4        0        0     0.00   250.00   840.00

FLOW DISTRIBUTION FOR SECNO=  15150.00          CWSEL=    206.87

STA=      590.      840.
  PER Q=    100.0
   AREA=   2889.0
    VEL=     10.4

CCHV=     .300 CEHV=     .500
*SECNO 15195.000

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA=      207.10 ELREA=      207.40

          STA.     15195   ON D.S. FACE MCDOWELL RD. BRIDGE

 15195.00    12.83   206.83     0.00     0.00   208.71     1.88      .07      .10   207.10
   30000.       0.   30000.       0.       0.    2726.       0.     448.      73.   207.00
      .17     0.00    11.00     0.00     .025     .025     .025     .038   194.00     0.00
  .001328      45.      45.      45.        2        0        0     0.00   212.50   212.50

FLOW DISTRIBUTION FOR SECNO=  15195.00          CWSEL=    206.83

STA=        0.      213.
  PER Q=    100.0
   AREA=   2726.4
    VEL=     11.0

SPECIAL BRIDGE

SB   XK        XKOR      COFQ      RDLEN     BWC       BWP       BAREA     SS        ELCHU     ELCHD
     1.00      1.50      2.50      0.00    212.50     19.50   2462.00     0.00    194.50    194.00

*SECNO 15295.000
3280 CROSS SECTION  15295.00 EXTENDED       1.57 FEET

PRESSURE AND WEIR FLOW

 EGPRS     EGLWC      H3       QWEIR     QPR       BAREA   TRAPEZOID      ELLC      ELTRD
                                                            AREA
  210.29   209.32     .65       346.   29676.     2462.     2484.     207.37    209.26

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA=      209.26 ELREA=      209.54

          STA.     15295   ON U.S. FACE MCDOWELL RD. BRIDGE

 15295.00    14.17   208.67     0.00     0.00   210.21     1.54     1.50     0.00   207.10
   30000.       0.   30000.       0.       0.    3012.       0.     455.      73.   207.10
      .18     0.00     9.96     0.00     .025     .025     .025     .038   194.50     0.00
  .000967     100.     100.     100.        3        0        2     0.00   212.50   212.50

FLOW DISTRIBUTION FOR SECNO=  15295.00          CWSEL=    208.67

STA=        0.      213.
  PER Q=    100.0
   AREA=   3012.1
    VEL=     10.0

CCHV=     .200 CEHV=     .400
*SECNO 15302.000
3280 CROSS SECTION  15302.00 EXTENDED       1.71 FEET
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STA=        0.       213.
  PER Q=    100.0
   AREA=   3012.1
    VEL=     10.0

CCHV=     .200 CEHV=     .400
*SECNO 15302.000
3280 CROSS SECTION  15302.00 EXTENDED       1.71 FEET

   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS   BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA   LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN      SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID     ENDST

 15302.00    15.21    208.71      0.00      0.00    210.23      1.52       .01       .00    207.00
   30000.       0.    30000.        0.        0.     3036.        0.      455.       73.    207.00
      .18     0.00      9.88      0.00      .030      .030      .030      .037    193.50      0.00
  .001363       7.        7.        7.         2         0         0      0.00    212.50    212.50

FLOW DISTRIBUTION FOR SECNO=  15302.00          CWSEL=    208.71

STA=        0.       213.
  PER Q=    100.0
   AREA=   3035.7
    VEL=     9.9

*SECNO 15311.000

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

          STA.    15311   ON D.S. EDGE OF SILL

 15311.00    13.90    207.50      0.00      0.00    211.07      3.57       .02       .82    213.00
   30000.       0.    30000.        0.        0.     1980.     1980.      456.       73.    263.00
      .18     0.00     15.15      0.00      .030      .030      .030      .037    193.60      0.00
  .006497       9.        9.        9.         3         0         0      0.00    198.25    217.00

FLOW DISTRIBUTION FOR SECNO=  15311.00          CWSEL=    207.50

STA=        0.         0.
  PER Q=      0.0
   AREA=      0.0
    VEL=      0.0

*SECNO 15331.000

3301 HV CHANGED MORE THAN HVINS

          STA.    15331   ON U.S. EDGE OF SILL

 15331.00    16.20    209.90      0.00      0.00    211.52      1.63       .07       .39    213.00
   30000.       0.    30000.        0.        0.     2930.     2930.      458.       73.    263.00
      .18     0.00     10.24      0.00      .030      .030      .030      .037    193.70      0.00
  .001952      20.       20.       20.         4         0         0      0.00    233.00    233.00

FLOW DISTRIBUTION FOR SECNO=  15331.00          CWSEL=    209.90

STA=        0.         0.
  PER Q=      0.0
   AREA=      0.0
    VEL=      0.0

*SECNO 15340.000

3301 HV CHANGED MORE THAN HVINS
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STA=        0.        0.
  PER Q=      0.0
   AREA=      0.0
    VEL=      0.0

*SECNO 15340.000

3301 HV CHANGED MORE THAN HVINS

          AREA BETWEEN 15340 AND 16000 IS WITHIN HOHOKAM PLAZA

 15340.00    17.03   210.73     0.00     0.00   211.67      .94      .01      .14   213.00
   30000.       0.   30000.       0.       0.    3848.    3848.     460.      73.   263.00
      .18     0.00     7.80     0.00     .030     .030     .030     .037   193.70     0.00
  .000837       9.       9.       9.        2        0        0     0.00   239.00   239.00

FLOW DISTRIBUTION FOR SECNO=  15340.00          CWSEL=    210.73

STA=        0.        0.
  PER Q=      0.0
   AREA=      0.0
    VEL=      0.0

*SECNO 15351.000
 15351.00    16.98   210.78     0.00     0.00   211.69      .91      .01      .01   213.00
   30000.       0.   30000.       0.       0.    3921.       0.     461.      73.   213.00
      .18     0.00     7.65     0.00     .030     .030     .030     .037   193.80     0.00
  .000695      11.      11.      11.        2        0        0     0.00   244.00   244.00

FLOW DISTRIBUTION FOR SECNO=  15351.00          CWSEL=    210.78

STA=        0.      244.
  PER Q=    100.0
   AREA=   3921.3
    VEL=      7.7

*SECNO 15400.000
3280 CROSS SECTION  15400.00 EXTENDED      1.28 FEET

   SECNO     DEPTH     CWSEL     CRIWS     WSELK      EG       HV       HL     OLOSS   BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH      AROB      VOL      TWA   LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH     XNR       WTN      ELMIN     SSTA
   SLOPE     XLORL     XLCH      XLOBR     ITRIAL    IDC      ICONT     CORAR    TOPWID    ENDST

 15400.00    15.28   211.28     0.00     0.00   211.79      .51      .02      .08   196.00
   30000.    1193.   25690.    3116.     326.    4278.     786.     466.      74.   196.00
      .18     3.64     6.01     3.96     .030     .030     .030     .037   196.00     2.03
  .000388      49.      49.      49.        2        0        0     0.00   417.97   420.00

FLOW DISTRIBUTION FOR SECNO=  15400.00          CWSEL=    211.28

STA=        2.       45.      325.      420.
  PER Q=      4.0     85.6     10.4
   AREA=    328.3   4278.0    786.5
    VEL=      3.6      6.0      4.0

CCHV=     .200 CEHV=     .400
*SECNO 15500.000
3280 CROSS SECTION  15500.00 EXTENDED      1.50 FEET

 15500.00    17.10   211.50     0.00     0.00   211.86      .37      .04      .03   196.00
   30000.   16379.   10613.    3009.    4126.    1685.    1013.     480.      75.   202.00
      .19     3.97     6.30     2.97     .045     .030     .045     .037   194.40     0.00
  .000441     100.     100.     100.        2        0        0     0.00   553.97   553.97

FLOW DISTRIBUTION FOR SECNO=  15500.00          CWSEL=    211.50
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
 15500.00    17.10   211.50     0.00     0.00   211.86      .37      .04      .03   196.00
   30000.   16379.   10613.    3009.    4126.    1685.    1013.     480.      75.   202.00
      .19     3.97     6.30     2.97     .045     .030     .045     .037   194.40     0.00
  .000441     100.     100.     100.        2        0        0     0.00   553.97   553.97

FLOW DISTRIBUTION FOR SECNO=  15500.00          CWSEL=    211.50

STA=        0.      81.     130.     177.     227.     267.     284.     321.     433.     527.     554.
  PER Q=     5.8     10.1      9.0      8.8      8.7      4.0      8.1     35.4      9.3       .8
    AREA=  606.8    725.0    664.8    674.8    611.8    274.5    567.8   1684.5    892.6    120.6
     VEL=    2.9      4.2      4.1      3.9      4.3      4.4      4.3      6.3      3.1      1.9

CCHV=    .300 CEHV=    .500
*SECNO 15600.000
1490 NH CARD USED
 15600.00    15.64   211.54     0.00     0.00   211.92      .38      .06      .01   200.00
   30000.   19120.    5835.    5044.    4207.    1008.     964.     495.      76.   202.00
      .19     4.55     5.79     5.23     .045     .040     .032     .037   195.90     1.44
  .000714     100.     100.     100.        0        0        0     0.00   555.17   556.61

FLOW DISTRIBUTION FOR SECNO=  15600.00          CWSEL=    211.54

STA=        1.      45.     111.     139.     198.     254.     268.     284.     315.     372.     442.     517.     557.
  PER Q=     3.2     17.8      6.9      4.2      5.8      3.1      3.6      7.9     11.2     19.5     14.2      2.6
    AREA=  305.7    926.4    372.0    525.2    618.1    175.5    200.6    419.6    663.6   1007.9    715.3    249.0
     VEL=    3.1      5.8      5.6      2.4      2.8      5.3      5.3      5.6      5.1      5.8      6.0      3.2

*SECNO 15700.000
1490 NH CARD USED
 15700.00    15.01   211.61     0.00     0.00   212.01      .40      .08      .01   200.00
   30000.   18551.    5945.    5504.    4077.     973.     979.     509.      78.   202.00
      .20     4.55     6.11     5.62     .045     .040     .032     .037   196.60     4.25
  .000815     100.     100.     100.        0        0        0     0.00   591.56   595.81

FLOW DISTRIBUTION FOR SECNO=  15700.00          CWSEL=    211.61

STA=        4.     112.     141.     187.     275.     411.     480.     556.     596.
  PER Q=    20.9      7.4      3.4      4.4     25.8     19.8     15.5      2.8
    AREA=  1171.1    377.1    401.2    602.0   1525.5    973.3    729.8    249.4
     VEL=    5.3      5.9      2.5      2.2      5.1      6.1      6.4      3.4

*SECNO 15800.000
1490 NH CARD USED

3470 ENCROACHMENT STATIONS=      99.0     729.0  TYPE=     1  TARGET=    -99.000
 15800.00    14.72   211.72     0.00     0.00   212.10      .38      .08      .01   200.00
   30000.   16285.    8474.    5240.    3843.    1468.     972.     523.      79.   204.00
      .20     4.24     5.77     5.39     .044     .040     .032     .038   197.00    99.00
  .000745     100.     100.     100.        2        0        0     0.00   623.16   722.16

FLOW DISTRIBUTION FOR SECNO=  15800.00          CWSEL=    211.72

STA=       99.     196.     216.     238.     296.     372.     436.     486.     503.     608.     683.     722.
  PER Q=    17.3      3.8      3.1      3.4      4.2     15.0      5.0      2.6     28.2     14.9      2.6
    AREA=  1035.2    225.3    205.1    447.2    563.8    814.2    384.1    168.3   1468.2    728.1    244.0
     VEL=    5.0      5.0      4.5      2.2      2.2      5.5      3.9      4.6      5.8      6.1      3.2

*SECNO 15838.000
1490 NH CARD USED
   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN     SSTA
   SLOPE     XLORL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID    ENDST

3470 ENCROACHMENT STATIONS=     120.0     795.0  TYPE=     1  TARGET=   -120.000
 15838.00    12.83   211.83     0.00     0.00   212.14      .31      .03      .02   199.00
   30000.   22191.    3011.    4797.    5400.     502.     979.     530.      79.   205.00
      .20     4.11     6.00     4.90     .043     .030     .031     .038   199.00   120.00
  .000564     40.      40.      [illegible]
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  Q        QLOB     QCH      QROB     ALOB     ACH      AROB     VOL      TWA    LEFT/RIGHT
  TIME     VLOB     VCH      VROB     XNL      XNCH     XNR      WTN      ELMIN     SSTA
  SLOPE    XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID    ENDST


3470 ENCROACHMENT STATIONS=      120.0      795.0  TYPE=      1  TARGET=     -120.000
 15838.00    12.83   211.83     0.00     0.00   212.14      .31      .03      .02   199.00
   30000.    22191.   3011.    4797.    5400.     502.     979.     530.      79.   205.00
      .20     4.11     6.00     4.90     .043     .030     .031     .038   199.00   120.00
  .000564      40.      40.      40.        2        0        0     0.00   668.50   788.50


FLOW DISTRIBUTION FOR SECNO=  15838.00          CWSEL=    211.83

STA=      120.     179.     216.     239.     296.     380.     420.     633.     674.     759.     789.
  PER Q=    7.3      7.4      3.7      3.1      3.6      4.8     44.1     10.0     14.9      1.1
   AREA=  560.5    466.1    254.7    457.4    554.0    373.3   2733.6    502.2    834.4    145.0
    VEL=    3.9      4.8      4.3      2.0      1.9      3.9      4.8      6.0      5.4      2.2

*SECNO 15890.000
1490 NH CARD USED

3470 ENCROACHMENT STATIONS=      140.0      817.0  TYPE=      1  TARGET=     -140.000
 15890.00    12.74   211.74     0.00     0.00   212.33      .59      .04      .14   205.00
   30000.    18925.   3200.    7875.    3826.     438.     984.     536.      80.   205.00
      .21     4.95     7.31     8.00     .046     .030     .031     .038   199.00   140.00
  .001511      50.      50.      50.        2        0        0     0.00   670.40   810.40


FLOW DISTRIBUTION FOR SECNO=  15890.00          CWSEL=    211.74

STA=      140.     198.     230.     259.     317.     353.     403.     656.     695.     782.     810.
  PER Q=   11.5      9.0      5.6      3.3      3.7      3.2     26.8     10.7     24.6      1.6
   AREA=  546.4    367.6    267.4    358.0    314.5    326.9   1645.1    437.8    845.7    138.3
    VEL=    6.3      7.4      6.3      2.8      3.5      2.9      4.9      7.3      8.7      3.6

*SECNO 16000.000
1490 NH CARD USED

3301 HV CHANGED MORE THAN HVINS


3470 ENCROACHMENT STATIONS=      220.0      940.0  TYPE=      1  TARGET=     -220.000
 16000.00     8.05   211.35   211.30     0.00   213.43     2.08      .36      .74   210.00
   30000.    8893.    7278.   13830.     991.     451.    1375.     547.      82.   206.00
      .21     8.98    16.13    10.06     .040     .030     .040     .039   203.30   220.00
  .008410     100.     220.     100.        6       21        0     0.00   664.76   884.76


FLOW DISTRIBUTION FOR SECNO=  16000.00          CWSEL=    211.35

STA=      220.     240.     274.     306.     329.     542.     608.     810.     872.     885.
  PER Q=    3.3      8.8      8.2      3.7      5.7     24.3     37.6      8.2       .3
   AREA=  107.1    221.2    208.2    111.2    343.0    451.2   1082.0    271.2     21.4
    VEL=    9.1     11.9     11.9      9.9      5.0     16.1     10.4      9.0      4.2

CCHV=     .200 CEHV=     .400
*SECNO 16050.000
3280 CROSS SECTION  16050.00 EXTENDED        .69 FEET


3301 HV CHANGED MORE THAN HVINS


3470 ENCROACHMENT STATIONS=      260.0      940.0  TYPE=      1  TARGET=     -260.000
 16050.00     6.09   212.69     0.00     0.00   213.97     1.28      .39      .16   208.00
   30000.    8903.   17008.    4089.     953.    1794.     628.     551.      83.   207.50
      .21     9.35     9.48     6.51     .040     .040     .050     .039   206.60   260.00
  .007088      50.      50.      50.        6        0        0     0.00   680.00   940.00


FLOW DISTRIBUTION FOR SECNO=  16050.00          CWSEL=    212.69

STA=      260.     360.     415.     440.     780.     850.     915.     940.
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3470 ENCROACHMENT STATIONS=     260.0      940.0  TYPE=      1  TARGET=     =260.000
 16050.00      6.09    212.69      0.00      0.00    213.97      1.28       .39       .16    208.00
   30000.     8903.    17008.     4089.      953.     1794.      628.      551.       83.    207.50
      .21      9.35      9.48      6.51      .040      .040      .050      .039    206.60    260.00
  .007088       50.       50.       50.         6         0         0      0.00    680.00    940.00

FLOW DISTRIBUTION FOR SECNO=  16050.00          CWSEL=    212.69

STA=      260.      360.      415.      440.      780.      850.      915.      940.
  PER Q=     16.8       9.5       3.4      56.7       8.4       4.8        .5
   AREA=    539.0     296.4     117.2    1794.0     345.8     239.8      42.2
    VEL=      9.3       9.6       8.8       9.5       7.3       6.0       3.5

*SECNO 16100.000

3470 ENCROACHMENT STATIONS=     200.0      965.0  TYPE=      1  TARGET=     =200.000
 16100.00      7.37    213.37      0.00      0.00    214.31       .94       .27       .07    206.80
   30000.     5667.    22155.     2179.      677.     2813.      504.      555.       84.    208.00
      .21      8.37      7.88      4.33      .040      .040      .050      .039    206.00    200.00
  .004196       50.       50.       50.         2         0         0      0.00    760.35    960.35

FLOW DISTRIBUTION FOR SECNO=  16100.00          CWSEL=    213.37

STA=      200.      235.      300.      775.      850.      880.      950.      960.
  PER Q=      5.6      13.3      73.8       5.6        .8        .8        .0
   AREA=    223.3     453.7    2812.7     328.5      71.4      96.6       7.1
    VEL=      7.5       8.8       7.9       5.2       3.4       2.4       1.5

*SECNO 16250.000
   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS     BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA     LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

3470 ENCROACHMENT STATIONS=     160.0      830.0  TYPE=      1  TARGET=     =160.000
 16250.00      8.15    214.15      0.00      0.00    214.82       .67       .45       .05    208.50
   30000.     1243.    25629.     3128.      236.     3763.      677.      570.       86.    207.60
      .22      5.27      6.81      4.62      .040      .040      .050      .039    206.00    160.00
  .002280       150.      150.      150.         2         0         0      0.00    661.76    821.76

FLOW DISTRIBUTION FOR SECNO=  16250.00          CWSEL=    214.15

STA=      160.      200.      700.      780.      800.      822.
  PER Q=      4.1      85.4       8.2       1.7        .5
   AREA=    236.0    3762.9     508.1     113.0      56.0
    VEL=      5.3       6.8       4.9       4.5       2.6

*SECNO 16500.000
3280 CROSS SECTION  16500.00 EXTENDED        .75 FEET

 16500.00      8.75    214.75      0.00      0.00    215.39       .64       .56       .01    208.00
   30000.     6553.    18344.     5103.     1150.     2563.     1326.      598.       90.    208.00
      .23      5.70      7.16      3.85      .040      .040      .050      .039    206.00      0.00
  .002219       250.      250.      250.         2         0         0      0.00    834.41    834.41

FLOW DISTRIBUTION FOR SECNO=  16500.00          CWSEL=    214.75

STA=        0.       20.       22.       30.       70.      120.      200.      510.      625.      780.      825.      834.
  PER Q=      .6        .2       1.1       5.0       5.5       9.5      61.1       9.9       6.6        .5        .0
   AREA=     55.1      11.5      52.0     250.1     292.6     488.2    2563.3     661.6     581.7      78.9       3.5
    VEL=      3.3       4.5       6.1       5.9       5.7       5.8       7.2       4.5       3.4       2.0        .7

CCHV=     .200 CEHV=     .400
*SECNO 16750.000
3280 CROSS SECTION  16750.00 EXTENDED       1.54 FEET

 16750.00      9.54    215.54      0.00      0.00    215.79       .24       .32       .08    208.00
   30000.     3437.    20356.     6207.     1044.     4935.     1659.      634.       95.    207.00
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 AREA=    55.1    11.5    52.0   250.1   292.6   488.2  2563.3   661.6   581.7    78.9     3.5
  VEL=     3.3     4.5     6.1     5.9     5.7     5.8     7.2     4.5     3.4     2.0      .7

CCHV=    .200 CEHV=    .400
*SECNO 16750.000
3280 CROSS SECTION  16750.00 EXTENDED       1.54 FEET

16750.00     9.54  215.54    0.00    0.00  215.79     .24     .32     .08  208.00
  30000.     3437.  20356.   6207.   1044.   4935.   1659.    634.    95.  207.00
     .25     3.29    4.12    3.74    .040    .045    .045    .039  206.00    0.00
 .000837     250.    250.    250.       2       0       0    0.00  970.95  970.95

FLOW DISTRIBUTION FOR SECNO=  16750.00          CWSEL=    215.54

STA=       0.      20.      90.     200.     750.     850.     940.     945.     971.
 PER Q=     .4     3.1     7.9    67.9    10.8     8.8      .4      .7
 AREA=    60.9   318.0   664.8  4935.1   829.3   701.4    36.5    91.4
  VEL=     2.1     2.9     3.6     4.1     3.9     3.8     3.6     2.2

*SECNO 17000.000

3470 ENCROACHMENT STATIONS=        .0     740.0  TYPE=     1  TARGET=     739.999

            BASEBALL  BACKSTOP  FENCE   BLOCKED  OUT

17000.00     9.67  215.67    0.00    0.00  216.23     .56     .32     .13  210.00
  30000.     2486.  27514.      0.    635.   4454.      0.    670.    100. 100000.00
     .26     3.92    6.18    0.00    .040    .045    .045    .039  206.00     .82
 .002167     250.    250.    250.       2       0       0    0.00  739.17  740.00

FLOW DISTRIBUTION FOR SECNO=  17000.00          CWSEL=    215.67

STA=       1.      10.      20.      60.      80.     110.     170.     195.     740.
 PER Q=     .1      .4     1.0      .6     1.2     3.0     1.9    91.7
 AREA=    16.8    30.7    98.8    53.4    98.1   220.2   116.8  4453.5
  VEL=     2.5     3.6     3.2     3.3     3.8     4.1     4.8     6.2

*SECNO 17250.000
3280 CROSS SECTION  17250.00 EXTENDED        .35 FEET

17250.00    10.35  216.35    0.00    0.00  216.69     .34     .41     .04  210.00
  30000.     4158.  22026.   3816.   1006.   4537.    867.    703.   105.  208.40
     .27     4.13    4.85    4.40    .040    .045    .045    .040  206.00    0.00
 .001299     250.    250.    250.       2       0       0    0.00  867.95  867.95

FLOW DISTRIBUTION FOR SECNO=  17250.00          CWSEL=    216.35

STA=       0.      15.      20.      70.     190.     740.     840.     868.
 PER Q=     .3      .3     3.4     9.9    73.4    11.8      .9
 AREA=    35.2    23.7   257.3   689.6  4537.5   764.6   102.7
  VEL=     2.3     3.7     4.0     4.3     4.9     4.6     2.8

*SECNO 17500.000
3280 CROSS SECTION  17500.00 EXTENDED        .73 FEET

  SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS   BANK ELEV
  Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA   LEFT/RIGHT
  TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN      SSTA
  SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID     ENDST

17500.00    10.73  216.73    0.00    0.00  216.99     .27     .29     .02  210.00
  30000.     3484.  21056.   5460.    912.   4929.   1409.    743.   110.  209.40
     .29     3.82    4.27    3.87    .040    .045    .045    .040  206.00    0.00
 .001044     250.    250.    250.       2       0       0    0.00  989.53  989.53

FLOW DISTRIBUTION FOR SECNO=  17500.00          CWSEL=    216.73

STA=       0.      18.      20.      80.     165.     780.     900.     965.     990.
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17500.00     10.73    216.73      0.00      0.00    216.99       .27       .29       .02    210.00
   30000.     3484.    21056.     5460.      912.     4929.     1409.      743.      110.    209.40
     .29      3.82      4.27      3.87      .040      .045      .045      .040    206.00      0.00
 .001044      250.      250.      250.         2         0         0      0.00    989.53    989.53

FLOW DISTRIBUTION FOR SECNO=  17500.00          CWSEL=    216.73

STA=        0.       18.       20.       80.      165.      780.      900.      965.      990.
  PER Q=      .4        .1       4.1       7.0      70.2      11.7       5.9        .6
    AREA=   49.1      10.3     331.6     520.8    4929.4     873.3     453.5      82.5
     VEL=    2.2       3.4       3.8       4.0       4.3       4.0       3.9       2.3

CCHV=     .200 CEHV=     .400
*SECNO 17750.000
3280 CROSS SECTION  17750.00 EXTENDED       5.35 FEET

17750.00     10.85    216.85      0.00      0.00    217.61       .76       .42       .20    210.00
   30000.     6085.    23467.      449.      948.     3268.      143.      776.      115.    212.00
     .30      6.42      7.18      3.14      .040      .045      .050      .040    206.00      0.00
 .003120      250.      250.      250.         2         0         0      0.00    666.39    666.39

FLOW DISTRIBUTION FOR SECNO=  17750.00          CWSEL=    216.85

STA=        0.       75.      100.      170.      595.      612.      650.      666.
  PER Q=    8.1       2.7       9.5      78.2        .9        .6        .0
    AREA=  401.4     130.1     416.7    3268.3      65.5      70.4       7.0
     VEL=    6.1       6.2       6.8       7.2       4.1       2.5        .9

*SECNO 18000.000
3280 CROSS SECTION  18000.00 EXTENDED       1.72 FEET

18000.00      8.72    217.72      0.00      0.00    218.26       .54       .61       .04    209.00
   30000.     5472.    20138.     4389.      917.     3270.      984.      803.      119.    209.00
     .31      5.97      6.16      4.46      .040      .045      .050      .040    209.00      0.00
 .001938      250.      250.      250.         2         0         0      0.00    682.32    682.32

FLOW DISTRIBUTION FOR SECNO=  18000.00          CWSEL=    217.72

STA=        0.       10.       15.      135.      510.      535.      615.      665.      682.
  PER Q=      .3        .3      17.6      67.1       3.6       8.3       2.5        .1
    AREA=   27.2      23.6     866.3    3269.8     205.5     537.6     216.0      25.3
     VEL=    2.8       4.4       6.1       6.2       5.3       4.7       3.5       1.7

*SECNO 18350.000
3280 CROSS SECTION  18350.00 EXTENDED       1.48 FEET

3470 ENCROACHMENT STATIONS=        .0     780.0  TYPE=     1  TARGET=     779.999

          STA.    18350   NEAR MURRAY LANE

18350.00      8.48    218.48      0.00      0.00    219.00       .52       .74       .00    212.00
   30000.     5908.    13450.    10643.     1018.     2163.     2033.      844.      125.    210.00
     .33      5.80      6.22      5.23      .040      .045      .050      .040    210.00       .00
 .002432      300.      350.      350.         2         0         0      0.00    780.00    780.00

FLOW DISTRIBUTION FOR SECNO=  18350.00          CWSEL=    218.48

STA=        0.       70.       73.      190.      480.      640.      780.
  PER Q=    3.3        .3      16.1      44.8      22.4      13.1
    AREA=  243.4      16.4     757.9    2163.5    1196.4     836.8
     VEL=    4.1       5.0       6.4       6.2       5.6       4.7

CCHV=     .200 CEHV=     .400
*SECNO 18700.000
3280 CROSS SECTION  18700.00 EXTENDED       1.44 FEET
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STA=        0.      70.      73.     190.     480.     640.     780.
  PER Q=     3.3      .3     16.1     44.8     22.4     13.1
   AREA=   243.4    16.4    757.9   2163.5   1196.4    836.8
    VEL=     4.1     5.0      6.4      6.2      5.6      4.7

CCHV=    .200 CEHV=    .400
*SECNO 18700.000
3280 CROSS SECTION  18700.00 EXTENDED      1.44 FEET


3301 HV CHANGED MORE THAN HVINS

 18700.00     5.44   219.44     0.00     0.00   220.57     1.13     1.33      .24   214.00
   30000.     2130.  25997.    1873.     219.    3021.     346.     879.     131.   214.00
      .34     9.73     8.61     5.42     .030     .045     .045     .041   214.00     0.00
  .007091     300.     350.     350.        2        0        0     0.00   747.01   747.01

FLOW DISTRIBUTION FOR SECNO=  18700.00          CWSEL=    219.44

STA=        0.      35.      65.     620.     747.
  PER Q=     2.1     5.0     86.7      6.2
   AREA=    85.5   133.3   3021.0    345.7
    VEL=     7.4    11.3      8.6      5.4

*SECNO 19000.000
3280 CROSS SECTION  19000.00 EXTENDED      1.26 FEET


3301 HV CHANGED MORE THAN HVINS

   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

 19000.00     7.57   221.27     0.00     0.00   221.63      .37      .91      .15   214.00
   30000.     379.   24702.    4919.      77.    4874.    1317.     913.     137.   215.30
      .36     4.93     5.07     3.74     .030     .045     .045     .041   213.70     0.00
  .001677     300.     300.     300.        2        0        0     0.00  1000.00  1000.00

FLOW DISTRIBUTION FOR SECNO=  19000.00          CWSEL=    221.27

STA=        0.      18.     690.     805.     920.    1000.
  PER Q=     1.3    62.3      9.2      5.8      1.4
   AREA=    76.8  4874.3    645.6    490.3    181.1
    VEL=     4.9     5.1      4.3      3.6      2.3

*SECNO 19200.000

3470 ENCROACHMENT STATIONS=        .0     800.0  TYPE=      1  TARGET=     799.999
 19200.00     9.57   221.57     0.00     0.00   222.10      .54      .40      .07   214.00
   30000.     446.   25698.    3856.      69.    4250.     868.     939.     141.   216.00
      .37     6.51     6.05     4.44     .030     .045     .045     .041   212.00      .00
  .002446     200.     200.     200.        2        0        0     0.00   800.00   800.00

FLOW DISTRIBUTION FOR SECNO=  19200.00          CWSEL=    221.57

STA=        0.      10.      15.     610.     800.
  PER Q=      .6       .9     85.7     12.9
   AREA=    35.7    32.8   4249.9    868.1
    VEL=     5.0     8.2      6.0      4.4

CCHV=    .200 CEHV=    .400
*SECNO 19391.000
3280 CROSS SECTION  19391.00 EXTENDED      1.09 FEET


        GOLF RANGE FENCE BLOCKED OUT  AT 193+91
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VEL=      5.0      8.2      6.0      4.4

CCHV=    .200 CEHV=    .400
*SECNO 19391.000
3280 CROSS SECTION  19391.00 EXTENDED      1.09 FEET


        GOLF RANGE FENCE BLOCKED OUT  AT 193+91

 19391.00     8.79   221.99     0.00     0.00   222.61      .63      .48      .04   214.00
   30000.     1627.  28373.       0.     363.    4400.       0.     961.     144.   250.00
      .38     4.48     6.45     0.00     .045     .045     .045     .041   213.20     0.00
  .002534     191.     191.     191.        2        0        0     0.00   665.00   665.00

FLOW DISTRIBUTION FOR SECNO=  19391.00          CWSEL=    221.99

STA=        0.       32.       95.      665.
  PER Q=      .4      5.1     94.6
   AREA=    49.2    314.2   4400.4
    VEL=     2.2      4.8      6.4

*SECNO 19600.000
3280 CROSS SECTION  19600.00 EXTENDED      2.58 FEET


 19600.00     9.09   222.59     0.00     0.00   223.20      .62      .58      .00   274.50
   30000.       0.   26884.    3116.       0.    4145.     716.     983.     148.   218.00
      .39     0.00     6.49     4.35     .045     .045     .045     .041   213.50     7.68
  .003223     205.     205.     205.        2        0        0     0.00   842.32   850.00

FLOW DISTRIBUTION FOR SECNO=  19600.00          CWSEL=    222.59

STA=        8.      650.      850.
  PER Q=     89.6     10.4
   AREA=   4144.6    716.2
    VEL=      6.5      4.4

*SECNO 19856.000
3280 CROSS SECTION  19856.00 EXTENDED      3.33 FEET


 19856.00     9.43   223.33     0.00     0.00   223.93      .60      .73      .00   213.90
   30000.     1071.  26820.    2110.     216.    4177.     620.    1012.     152.   220.00
      .40     4.97     6.42     3.40     .045     .045     .045     .041   213.90     7.47
  .002640     250.     250.     250.        2        0        0     0.00   832.53   840.00

FLOW DISTRIBUTION FOR SECNO=  19856.00          CWSEL=    223.33

STA=        7.       16.       26.       58.      625.      750.      840.
  PER Q=      .1       .2      3.3     89.4       4.1       2.9
   AREA=     9.1     21.3    185.1   4177.0     360.4     259.5
    VEL=     1.7      2.8      5.4      6.4       3.4       3.4

*SECNO 20110.000
3280 CROSS SECTION  20110.00 EXTENDED       .89 FEET


   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

 20110.00     9.99   223.89     0.00     0.00   224.59      .70      .62      .04   215.50
   30000.     790.   26235.    2975.     183.    3712.     843.    1040.     157.   218.00
      .41     4.31     7.07     3.53     .045     .045     .045     .041   213.90     8.06
  .002305     250.     250.     250.        2        0        0     0.00   721.94   730.00

FLOW DISTRIBUTION FOR SECNO=  20110.00          CWSEL=    223.89

STA=        8.       16.       26.       56.      450.      520.      730.
  PER Q=
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 20110.00      9.99    223.89      0.00      0.00    224.59       .70       .62       .04    215.50
   30000.       790.    26235.     2975.      183.     3712.      843.     1040.      157.    218.00
      .41      4.31      7.07      3.53      .045      .045      .045      .041    213.90      8.06
  .002305      250.      250.      250.         2         0         0      0.00    721.94    730.00

FLOW DISTRIBUTION FOR SECNO=  20110.00          CWSEL=    223.89

STA=        8.       16.       26.       56.      450.      520.      730.
  PER Q=      .0        .2       2.4      87.4       5.2       4.7
   AREA=     7.9      19.9     155.6    3712.3     342.0     501.0
    VEL=     1.5       2.5       4.7       7.1       4.6       2.8

*SECNO 20212.000
3280 CROSS SECTION  20212.00 EXTENDED       2.03 FEET

 20212.00      9.73    224.13      0.00      0.00    224.83       .70       .24       .00    276.10
   30000.        0.    27752.     2248.        0.     4040.      529.     1050.      158.    215.00
      .41      0.00      6.87      4.25      .045      .045      .045      .041    214.40      7.87
  .002500      100.      100.      100.         0         0         0      0.00    622.13    630.00

FLOW DISTRIBUTION FOR SECNO=  20212.00          CWSEL=    224.13

STA=        8.      483.      525.      630.
  PER Q=   92.5       4.7       2.8
   AREA=  4040.1     257.6     271.2
    VEL=     6.9       5.5       3.1

*SECNO 20315.000
 20315.00      9.75    224.35      0.00      0.00    225.08       .74       .24       .02    215.50
   30000.     1463.    27709.      827.      287.     3938.      193.     1061.      160.    215.00
      .42      5.09      7.04      4.28      .045      .045      .045      .041    214.60      6.16
  .002225      100.      100.      100.         2         0         0      0.00    510.19    516.35

FLOW DISTRIBUTION FOR SECNO=  20315.00          CWSEL=    224.35

STA=        6.       12.       22.       50.       65.      475.      516.
  PER Q=      .0        .2       2.0       2.7      92.4       2.8
   AREA=     5.7      19.5     137.1     125.2    3937.6     193.2
    VEL=     1.5       2.4       4.4       6.4       7.0       4.3

*SECNO 20430.000
 20430.00      9.76    224.56      0.00      0.00    225.41       .85       .28       .04    214.90
   30000.        0.    28961.     1039.        0.     3847.     4044.     1076.      161.    276.70
      .42      0.00      7.53       .26      .045      .045      .045      .041    214.80      6.42
  .002983      110.      110.      110.         2         0         0      0.00    495.73    502.15

FLOW DISTRIBUTION FOR SECNO=  20430.00          CWSEL=    224.56

STA=        6.       12.       22.       52.
  PER Q=      .0        .2       3.3
   AREA=     5.2      18.6     172.8
    VEL=     1.7       2.7       5.7

*SECNO 20560.000
 20560.00      9.92    225.02      0.00      0.00    226.21      1.19       .67       .14    277.00
   30000.        0.    27865.     2135.        0.     3153.      287.     1097.      163.    215.10
      .43      0.00      8.84      7.43      .045      .045      .045      .041    215.10      7.38
  .004166      250.      195.      110.         1         0         0      0.00    420.77    428.15

FLOW DISTRIBUTION FOR SECNO=  20560.00          CWSEL=    225.02

STA=        7.      380.      385.      395.      428.
  PER Q=   92.9       1.5       2.8       2.8
   AREA=  3153.1      47.4      90.3     149.7
    VEL=     8.8       9.4       9.2       5.7

CCHV=     .200 CEHV=     .400
*SECNO 20600.000
   SECNO     DEPTH     CWSEL     CRIWS     WSELK        EG        HV        HL     OLOSS  BANK ELEV
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FLOW DISTRIBUTION FOR SECNO=  20560.00          CWSEL=    225.02

STA=        7.      380.      385.      395.      428.
  PER Q=     92.9       1.5       2.8       2.8
   AREA=   3153.1      47.4      90.3     149.7
    VEL=      8.8       9.4       9.2       5.7

CCHV=    .200 CEHV=    .400
*SECNO 20600.000
   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

 20600.00    13.50    225.10      0.00      0.00    226.36      1.26       .12       .03    215.20
   30000.      811.    28378.      811.      145.     3090.      145.     1101.      163.    215.20
      .43     5.58      9.18      5.58      .030      .030      .030      .041    211.60      5.64
  .001615      55.       50.       40.         2         0         0      0.00    368.73    374.36

FLOW DISTRIBUTION FOR SECNO=  20600.00          CWSEL=    225.10

STA=        6.       35.      345.      374.
  PER Q=      2.7      94.6       2.7
   AREA=    145.3    3090.5     145.3
    VEL=      5.6       9.2       5.6

*SECNO 20654.000

3301 HV CHANGED MORE THAN HVINS

 20654.00    12.68    224.68      0.00      0.00    226.84      2.16       .12       .36    219.00
   30000.      395.    29605.        0.       73.     2498.        0.     1105.      164.    227.00
      .43     5.43     11.85      0.00      .030      .030      .030      .041    212.00     10.40
  .003074      54.       54.       54.         2         0         0      0.00    289.60    300.00

FLOW DISTRIBUTION FOR SECNO=  20654.00          CWSEL=    224.68

STA=       10.       36.      300.
  PER Q=      1.3      98.7
   AREA=     72.8    2498.4
    VEL=      5.4      11.8

*SECNO 20673.000
 20673.00    13.40    225.00      0.00      0.00    226.95      1.95       .07       .04    217.00
   30000.      799.    29201.        0.      128.     2580.        0.     1106.      164.    227.00
      .43     6.24     11.32      0.00      .030      .030      .030      .041    211.60      7.99
  .002604      25.       25.       25.         2         0         0      0.00    292.01    300.00

FLOW DISTRIBUTION FOR SECNO=  20673.00          CWSEL=    225.00

STA=        8.       40.      300.
  PER Q=      2.7      97.3
   AREA=    128.1    2579.9
    VEL=      6.2      11.3

*SECNO 20680.000

3301 HV CHANGED MORE THAN HVINS

 20680.00    14.46    226.06      0.00      0.00    227.13      1.08       .01       .17    220.30
   30000.      280.    29720.        0.       91.     3553.        0.     1107.      164.    227.00
      .43     3.06      8.36      0.00      .030      .030      .030      .041    211.60      5.21
  .000953       6.        6.        6.         3         0         0      0.00    289.79    295.00

FLOW DISTRIBUTION FOR SECNO=  20680.00          CWSEL=    226.06

STA=        5.       37.      295.
  PER Q=       .9      99.1
   AREA=     91.5    3553.4
    VEL=      3.1       8.4

*SECNO 20687.000
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 .000953      6.       6.       6.       3       0       0     0.00   289.79   295.00

FLOW DISTRIBUTION FOR SECNO=  20680.00          CWSEL=    226.06

STA=        5.       37.      295.
 PER Q=      .9      99.1
  AREA=    91.5    3553.4
   VEL=     3.1       8.4

*SECNO 20687.000

3301 HV CHANGED MORE THAN HVINS

 20687.00    13.94   225.54     0.00     0.00   227.49     1.95      .01      .35   222.50
  30000.      115.   29885.       0.      35.    2663.       0.    1107.      164.   227.00
     .43      3.27    11.22     0.00     .030     .030     .030     .041   211.60    10.97
 .002514       6.       6.       6.        2        0        0     0.00   280.03   291.00

FLOW DISTRIBUTION FOR SECNO=  20687.00          CWSEL=    225.54

STA=       11.       34.      291.
 PER Q=      .4      99.6
  AREA=    35.1    2663.2
   VEL=     3.3      11.2

*SECNO 20724.000
   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST


          STA.    20724   ON D.S. FACE THOMAS ROAD BRIDGE

 20724.00    10.08   225.58     0.00     0.00   227.62     2.04      .09      .04   229.00
  30000.        0.   30000.       0.       0.    2616.       0.    1109.      164.   229.00
     .43      0.00    11.47     0.00     .030     .030     .030     .041   215.50     0.00
 .002719      36.      36.      36.        2        0        0     0.00   259.50   259.50

FLOW DISTRIBUTION FOR SECNO=  20724.00          CWSEL=    225.58

STA=        0.      260.
 PER Q=    100.0
  AREA=   2615.9
   VEL=     11.5

SPECIAL BRIDGE

SB   XK        XKOR      COFQ      RDLEN     BWC       BWP       BAREA     SS        ELCHU     ELCHD
     1.00      1.50      2.50    251.50    251.50     22.00   3480.00      0.00    216.00    215.50

*SECNO 20807.000
CLASS 4 LOW FLOW

3420 BRIDGE W.S.=     224.48 BRIDGE VELOCITY=,      14.98      CALCULATED CHANNEL AREA=,      1945.

 EGPRS     EGLWC      H3       QWEIR     QPR       BAREA   TRAPEZOID      ELLC      ELTRD
                                                            AREA
     0.00    228.35     .88        0.    30000.    3480.     2984.     229.00    231.00


3495 OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA=      235.00 ELREA=      235.00


          STA.    20807   ON U.S. FACE THOMAS ROAD BRIDGE

 20807.00    10.46   226.46     0.00     0.00   228.35     1.90      .73     0.00   229.00
  30000.        0.   30000.       0.       0.    2713.       0.    1114.      165.   229.00
     .43      0.00    11.06     0.00     .030     .030     .030     .041   216.00     0.00
 .002416      83.      83.      83.        0        0        0     0.00   259.50   259.50
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3495 OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA=      235.00 ELREA=      235.00

          STA.    20807   ON U.S. FACE THOMAS ROAD BRIDGE

 20807.00     10.46    226.46      0.00      0.00    228.35      1.90       .73      0.00    229.00
   30000.        0.    30000.        0.        0.     2713.        0.     1114.      165.    229.00
      .43      0.00     11.06      0.00      .030      .030      .030      .041    216.00      0.00
  .002416       83.       83.       83.         0         0         0      0.00    259.50    259.50

FLOW DISTRIBUTION FOR SECNO=  20807.00          CWSEL=    226.46

STA=        0.      260.
  PER Q=    100.0
   AREA=   2713.3
    VEL=     11.1

CCHV=     .100 CEHV=     .300
*SECNO 20839.000
3280 CROSS SECTION  20839.00 EXTENDED     10.22 FEET

          SCHRADER GOLF COURSE-THOMAS RD. TO INDIAN SCHOOL RD. (SEPT.1977)

 20839.00     10.22    226.42      0.00      0.00    228.45      2.03       .05       .04    216.20
   30000.        0.    30000.        0.        0.     2627.        0.     1116.      165.    216.20
      .43      0.00     11.42      0.00      .030      .030      .030      .041    216.20    171.00
  .002524       22.       22.       22.         2         0         0      0.00    257.00    428.00

FLOW DISTRIBUTION FOR SECNO=  20839.00          CWSEL=    226.42

STA=      171.      428.
  PER Q=    100.0
   AREA=   2627.0
    VEL=     11.4

*SECNO 20885.000
3280 CROSS SECTION  20885.00 EXTENDED     10.93 FEET

3301 HV CHANGED MORE THAN HVINS

 20885.00     10.93    227.13      0.00      0.00    228.59      1.46       .09       .06    216.20
   30000.        0.    30000.        0.        0.     3092.        0.     1119.      165.    216.20
      .43      0.00      9.70      0.00      .030      .030      .030      .041    216.20    156.00
  .001664       42.       42.       42.         3         0         0      0.00    283.00    439.00

FLOW DISTRIBUTION FOR SECNO=  20885.00          CWSEL=    227.13

STA=      156.      439.
  PER Q=    100.0
   AREA=   3092.1
    VEL=      9.7

*SECNO 20943.000
3280 CROSS SECTION  20943.00 EXTENDED     11.50 FEET

3301 HV CHANGED MORE THAN HVINS

 20943.00     11.50    227.80      0.00      0.00    228.72       .92       .07       .05    216.30
   30000.        0.    30000.        0.        0.     3899.        0.     1123.      166.    216.30
      .44      0.00      7.69      0.00      .030      .030      .030      .041    216.30    128.00
  .000971       60.       60.       60.         2         0         0      0.00    339.00    467.00

FLOW DISTRIBUTION FOR SECNO=  20943.00          CWSEL=    227.80

STA=      128.      467.
  PER Q=    100.0
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20943.00     11.50    227.80      0.00      0.00    228.72       .92       .07       .05    216.30
  30000.        0.    30000.        0.        0.     3899.        0.     1123.      166.    216.30
     .44      0.00      7.69      0.00      .030      .030      .030      .041    216.30    128.00
 .000971       60.       60.       60.         2         0         0      0.00    339.00    467.00

FLOW DISTRIBUTION FOR SECNO=  20943.00          CWSEL=    227.80

STA=      128.      467.
  PER Q=    100.0
   AREA=   3899.4
    VEL=      7.7

CCHV=     .200 CEHV=     .400
*SECNO 21061.000
3280 CROSS SECTION  21061.00 EXTENDED     11.77 FEET

   SECNO     DEPTH     CWSEL     CRIWS     WSELK        EG        HV        HL     OLOSS   BANK ELEV
   Q         OLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA   LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN      SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID     ENDST

21061.00     11.77    228.07      0.00      0.00    228.87       .79       .12       .03    221.00
  30000.        0.    30000.        0.        0.     4196.        0.     1135.      167.    216.30
     .44      0.00      7.15      0.00      .045      .035      .045      .041    216.30    122.00
 .001111      120.      120.      120.         2         0         0      0.00    362.00    484.00

FLOW DISTRIBUTION FOR SECNO=  21061.00          CWSEL=    228.07

STA=      122.      484.
  PER Q=    100.0
   AREA=   4196.1
    VEL=      7.1

*SECNO 21246.000
3280 CROSS SECTION  21246.00 EXTENDED      7.37 FEET

21246.00     12.07    228.37      0.00      0.00    229.08       .71       .19       .02    220.00
  30000.     1553.    28447.        0.      409.     4135.        0.     1153.      168.    221.00
     .45      3.80      6.88      3.80      .045      .035      .045      .041    216.30     90.00
 .001007      184.      184.      184.         2         0         0      0.00    410.00    500.00

FLOW DISTRIBUTION FOR SECNO=  21246.00          CWSEL=    228.37

STA=       90.      142.      500.
  PER Q=      5.2      94.8
   AREA=    409.2    4135.2
    VEL=      3.8      6.9

*SECNO 21403.000
3280 CROSS SECTION  21403.00 EXTENDED     11.17 FEET

21403.00     12.57    228.87      0.00      0.00    229.29       .42       .16       .06    217.00
  30000.      877.    29123.        0.      246.     5539.        0.     1176.      170.    217.70
     .46      3.56      5.26      4.25      .045      .035      .045      .041    216.30     50.00
 .000651      194.      194.      194.         2         0         0      0.00    540.00    590.00

FLOW DISTRIBUTION FOR SECNO=  21403.00          CWSEL=    228.87

STA=        50.       60.       73.      590.      590.
  PER Q=      .8       2.1      97.1        .0
   AREA=    98.7     147.8    5539.4        .0
    VEL=      2.5      4.3       5.3       4.3

*SECNO 21595.000
21595.00     12.81    229.11      0.00      0.00    229.42       .31       .11       .02    220.00
  30000.     6237.    20652.     3111.     1748.     4262.      934.     1204.      173.    218.00
     .47      3.57      4.85      3.33      .045      .035      .045      .041    216.30      4.43
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STA=        50.       60.       73.      590.      590.
  PER Q=      .8       2.1      97.1        .0
   AREA=    98.7     147.8    5539.4        .0
    VEL=     2.5       4.3       5.3       4.3

*SECNO 21595.000
 21595.00    12.81    229.11      0.00      0.00    229.42       .31       .11       .02    220.00
   30000.     6237.    20652.     3111.     1748.     4262.      934.     1204.      173.    218.00
      .47     3.57      4.85      3.33      .045      .035      .045      .041    216.30      4.43
  .000533     190.      190.      190.         2         0         0      0.00    681.71    686.14

FLOW DISTRIBUTION FOR SECNO=  21595.00          CWSEL=    229.11

STA=         4.       60.      134.      163.      188.      575.      642.      686.
  PER Q=     2.4      11.0       4.3       3.0      68.8       8.7       1.6
   AREA=   308.9     852.1     333.9     252.9    4261.8     711.2     223.2
    VEL=     2.4       3.9       3.9       3.6       4.8       3.7       2.2

*SECNO 21781.000
 21781.00    12.80    229.10      0.00      0.00    229.66       .55       .13       .10    220.00
   30000.     3836.    22446.     3718.     1086.     3405.     1062.     1231.      176.    224.00
      .48     3.53      6.59      3.50      .045      .035      .045      .041    216.30      4.73
  .001006     188.      188.      188.         2         0         0      0.00    677.48    682.21

FLOW DISTRIBUTION FOR SECNO=  21781.00          CWSEL=    229.10

STA=         5.       70.      112.      190.      504.      560.      604.      650.      682.
  PER Q=     4.7       3.4       4.7      74.8       4.0       3.7       3.3       1.4
   AREA=   390.4     273.3     422.1    3405.4     340.8     295.5     278.8     146.6
    VEL=     3.6       3.7       3.3       6.6       3.5       3.8       3.6       2.8

*SECNO 22030.000
   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IOC       ICONT     CORAR     TOPWID      ENDST

 22030.00    12.44    229.44      0.00      0.00    229.91       .47       .24       .02    280.00
   30000.        0.    26769.     3231.        0.     4681.      984.     1262.      180.    219.00
      .49     0.00      5.72      3.28      .045      .035      .045      .040    217.00      2.80
  .000943     244.      244.      244.         2         0         0      0.00    682.66    685.46

FLOW DISTRIBUTION FOR SECNO=  22030.00          CWSEL=    229.44

STA=         3.      510.      554.      606.      685.
  PER Q=    89.2       4.1       3.3       3.3
   AREA=  4681.0     326.3     303.8     353.6
    VEL=     5.7       3.8       3.3       2.8

*SECNO 22341.000
 22341.00    11.70    229.70      0.00      0.00    230.29       .58       .33       .04    223.00
   30000.     2405.    26493.     1102.      864.     4116.      349.     1305.      185.    220.00
      .51     2.78      6.44      3.16      .045      .035      .045      .040    218.00      6.48
  .001015     340.      340.      340.         2         0         0      0.00    683.04    689.52

FLOW DISTRIBUTION FOR SECNO=  22341.00          CWSEL=    229.70

STA=         6.      120.      202.      214.      610.      676.      690.
  PER Q=     4.0       3.0       1.0      88.3       3.6        .1
   AREA=   449.7     335.7      80.5    4116.4     330.5      18.3
    VEL=     2.7       2.7       3.7       6.4       3.3       1.3

*SECNO 22623.000
3280 CROSS SECTION  22623.00 EXTENDED        .17 FEET

 22623.00    12.17    230.17      0.00      0.00    230.57       .41       .25       .04    220.00
   30000.      701.    28520.      779.      263.     5477.      289.     1342.      189.    220.00
      .52     2.66      5.21      2.69      .045      .035      .045      .040    218.00      4.24
  .000763     284.      284.      284.         2         0         0      0.00    691.76    696.00
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   AREA=    449.7    333.7     80.5   4116.4    330.5     18.3
    VEL=      2.7      2.7      3.7      6.4      3.3      1.3

*SECNO 22623.000
3280 CROSS SECTION  22623.00 EXTENDED        .17 FEET

 22623.00    12.17   230.17     0.00     0.00   230.57      .41      .25      .04   220.00
   30000.      701.   28520.     779.     263.    5477.     289.    1342.     189.   220.00
      .52     2.66     5.21     2.69     .045     .035     .045     .040   218.00     4.24
  .000763     284.     284.     284.        2        0        0     0.00   691.76   696.00

FLOW DISTRIBUTION FOR SECNO=  22623.00          CWSEL=    230.17

STA=        4.       56.      640.      696.
  PER Q=     2.3     95.1      2.6
   AREA=   263.1   5477.1    289.3
    VEL=     2.7      5.2      2.7

*SECNO 22867.000
 22867.00    11.44   230.44     0.00     0.00   230.73      .29      .13      .02   219.00
   30000.      639.   28817.     544.     302.    6596.     272.    1378.     193.   220.00
      .54     2.12     4.37     2.00     .045     .035     .045     .040   219.00     7.20
  .000414     240.     240.     240.        2        0        0     0.00   685.00   692.20

FLOW DISTRIBUTION FOR SECNO=  22867.00          CWSEL=    230.44

STA=        7.       60.      640.      692.
  PER Q=     2.1     96.1      1.8
   AREA=   302.0   6596.2    272.5
    VEL=     2.1      4.4      2.0

*SECNO 23131.000

          NEAR OSBORN RD.

 23131.00    11.36   230.36     0.00     0.00   230.91      .55      .08      .10   222.00
   30000.     5440.   23753.     807.    1597.    3680.     258.    1398.     195.   219.00
      .54     3.41     6.45     3.13     .045     .035     .045     .040   219.00     7.64
  .000920     133.     133.     133.        2        0        0     0.00   645.80   653.45

FLOW DISTRIBUTION FOR SECNO=  23131.00          CWSEL=    230.36

STA=        8.      130.      190.      228.      280.      608.      653.
  PER Q=     5.3      3.6      3.4      5.8     79.2      2.7
   AREA=   555.3    339.7    274.8    426.8   3680.3    258.2
    VEL=     2.8      3.2      3.7      4.1      6.5      3.1

*SECNO 23352.000
   SECNO    DEPTH    CWSEL    CRIWS    WSELK       EG       HV       HL    OLOSS   BANK ELEV
       Q     QLOB      QCH     QROB     ALOB      ACH     AROB      VOL      TWA   LEFT/RIGHT
    TIME     VLOB      VCH     VROB      XNL     XNCH      XNR      WTN    ELMIN       SSTA
   SLOPE    XLOBL     XLCH    XLOBR   ITRIAL      IDC    ICONT    CORAR   TOPWID       ENDST

 23352.00    10.22   230.52     0.00     0.00   231.07      .55      .16      .00   221.90
   30000.     3421.   25946.     633.    1022.    4148.     208.    1419.     198.   220.40
      .55     3.35     6.26     3.05     .045     .035     .045     .040   220.30     6.68
  .001018     216.     156.     188.        2        0        0     0.00   647.38   654.06

FLOW DISTRIBUTION FOR SECNO=  23352.00          CWSEL=    230.52

STA=        7.       19.       28.      130.      138.      176.      195.      613.      654.
  PER Q=     .1       .3      6.5       .6      2.3      1.7     86.5      2.1
   AREA=    16.8     34.0    578.6     48.2    209.9    134.4   4147.7    207.8
    VEL=     1.3      2.5      3.4      3.5      3.3      3.8      6.3      3.0

*SECNO 23526.000
 23526.00    10.58   230.58     0.00     0.00   231.61     1.03      .34      .19   224.00
   30000.     1413.   27396.    1190.     457.    3247.     292.    1445.     201.   222.00
      .56     3.09     8.44     4.08     .045     .035     .045     .040   220.00     3.19
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  PER Q=        .1        .3       6.5        .6       2.3       1.7      86.5       2.1
   AREA=      16.8      34.0     578.6      48.2     209.9     134.4    4147.7     207.8
    VEL=       1.3       2.5       3.4       3.5       3.3       3.8       6.3       3.0

*SECNO 23526.000
 23526.00     10.58    230.58      0.00      0.00    231.61      1.03       .34       .19    224.00
   30000.      1413.    27396.     1190.      457.     3247.      292.     1445.      201.    222.00
      .56      3.09      8.44      4.08      .045      .035      .045      .040    220.00      3.19
  .002166      180.      246.      212.         2         0         0      0.00    682.60    685.80

FLOW DISTRIBUTION FOR SECNO=  23526.00          CWSEL=    230.58

STA=        3.      223.      590.      620.      686.
  PER Q=      4.7      91.3       3.1        .9
   AREA=    457.4    3247.2     182.4     109.5
    VEL=      3.1       8.4       5.1       2.4

*SECNO 23718.000
 23718.00     11.15    231.15      0.00      0.00    232.01       .86       .37       .03    221.00
   30000.      2259.    26498.     1243.      675.     3399.      328.     1463.      204.    222.00
      .57      3.35      7.80      3.79      .045      .035      .045      .040    220.00      5.35
  .001719      192.      192.      192.         2         0         0      0.00    683.05    688.40

FLOW DISTRIBUTION FOR SECNO=  23718.00          CWSEL=    231.15

STA=        5.      142.      228.      592.      628.      688.
  PER Q=      3.1       4.5      88.3       3.3        .9
   AREA=    331.3     343.4    3398.6     215.6     112.8
    VEL=      2.8       3.9       7.8       4.6       2.3

*SECNO 24116.000
 24116.00     10.11    232.11      0.00      0.00    232.50       .39       .40       .09    223.00
   30000.      479.    29490.       31.      208.     5846.       22.     1511.      210.    223.00
      .59      2.31      5.04      1.41      .045      .035      .045      .040    222.00      4.44
  .000663      396.      396.      396.         2         0         0      0.00    640.37    644.80

FLOW DISTRIBUTION FOR SECNO=  24116.00          CWSEL=    232.11

STA=        4.       50.      640.      645.
  PER Q=      1.6      98.3        .1
   AREA=    207.6    5846.3      21.9
    VEL=      2.3       5.0       1.4

*SECNO 24472.000
3280 CROSS SECTION  24472.00 EXTENDED      3.18 FEET

3301 HV CHANGED MORE THAN HVINS

 24472.00     10.18    232.18      0.00      0.00    233.11       .92       .39       .21    224.00
   30000.      653.    27442.     1906.      167.     3435.      535.     1552.      216.    224.00
      .60      3.90      7.99      3.56      .045      .035      .045      .039    222.00      9.08
  .002185      354.      354.      354.         2         0         0      0.00    662.92    672.00

FLOW DISTRIBUTION FOR SECNO=  24472.00          CWSEL=    232.18

STA=        9.       50.      474.      520.      672.
  PER Q=      2.2      91.5       3.7       2.7
   AREA=    167.4    3435.0     238.5     297.0
    VEL=      3.9       8.0       4.6       2.7

*SECNO 24728.000
   SECNO     DEPTH     CWSEL     CRIWS     WSELK        EG        HV        HL     QLOSS   BANK ELEV
       Q      QLOB       QCH      QROB      ALOB       ACH      AROB       VOL       TWA   LEFT/RIGHT
    TIME      VLOB       VCH      VROB       XNL      XNCH       XNR       WTN     ELMIN       SSTA
   SLOPE     XLOBL      XLCH     XLOBR    ITRIAL       IDC     ICONT     CORAR    TOPWID      ENDST

 24728.00     10.86    232.86      0.00      0.00    233.95      1.09       .78       .07    229.00
   30000.      686.    28072.     1242.      180.     3265.      265.     1581.      220.    226.00
      .61      3.82      8.60      4.69      .045      .035      .045      .039    222.00      6.86
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*SECNO 24728.000
   SECNO      DEPTH      CWSEL      CRIWS      WSELK      EG         HV         HL         OLOSS     BANK ELEV
   Q          QLOB       QCH        QROB       ALOB       ACH        AROB       VOL        TWA     LEFT/RIGHT
   TIME       VLOB       VCH        VROB       XNL        XNCH       XNR        WTN        ELMIN       SSTA
   SLOPE      XLOBL      XLCH       XLOBR      ITRIAL     IDC        ICONT      CORAR      TOPWID      ENDST

 24728.00     10.86      232.86      0.00       0.00      233.95      1.09       .78        .07      229.00
   30000.      686.      28072.     1242.       180.      3265.      265.      1581.       220.      226.00
      .61      3.82       8.60      4.69       .045       .035      .045       .039     222.00       6.86
  .002689      264.       324.      294.          2          0         0       0.00     549.43     556.29

FLOW DISTRIBUTION FOR SECNO=  24728.00          CWSEL=    232.86

STA=        7.        30.        65.       486.       520.       540.       546.       556.
  PER Q=      .4        1.9       93.6       3.2        .9        .1        .0
   AREA=    44.6      135.0     3265.0     182.2      67.1      11.1       4.4
    VEL=     2.6        4.2       8.6       5.2       3.8       2.5       1.0

*SECNO 24861.000
3280 CROSS SECTION  24861.00 EXTENDED       6.64 FEET

 24861.00     10.63      233.63      0.00       0.00      234.57      .94       .59        .03      224.00
   30000.     2146.      27333.      521.       498.      3403.      107.      1600.       223.      226.00
      .62      4.31       8.03      4.86       .045       .035      .045       .039     223.00      18.00
  .002579      150.       230.      188.          2          0         0       0.00     617.00     635.00

FLOW DISTRIBUTION FOR SECNO=  24861.00          CWSEL=    233.63

STA=       18.        28.        42.        90.       116.       148.       620.       635.
  PER Q=      .3        .7        1.8        .7        3.6       91.1       1.7
   AREA=    31.4      50.9      150.6      68.6      196.4     3403.0     107.1
    VEL=     3.1       4.0       3.6       3.2        5.5       8.0       4.9

*SECNO 25000.000
3280 CROSS SECTION  25000.00 EXTENDED       2.25 FEET

 25000.00     11.25      234.25      0.00       0.00      235.13      .83       .55        .01      224.00
   30000.     3601.      25398.     1001.       846.      3175.      238.      1622.       226.      227.00
      .63      4.26       8.00      4.22       .045       .035      .045       .039     223.00      58.00
  .002177      140.       244.      192.          2          0         0       0.00     642.00     700.00

FLOW DISTRIBUTION FOR SECNO=  25000.00          CWSEL=    234.25

STA=       58.       160.       204.       260.       650.       700.
  PER Q=      3.4       3.1       5.5       84.7       3.3
   AREA=   312.6      211.0      322.0     3174.6     237.5
    VEL=     3.3       4.4       5.1       8.0       4.2

*SECNO 25198.000
3280 CROSS SECTION  25198.00 EXTENDED        .81 FEET

 25198.00     11.81      234.81      0.00       0.00      235.45      .64       .27        .05      224.00
   30000.     2629.      26729.      643.       769.      3996.      211.      1639.       229.      227.00
      .64      3.42       6.69      3.04       .045       .035      .045       .039     223.00      28.00
  .001251      164.       164.      164.          2          0         0       0.00     696.00     724.00

FLOW DISTRIBUTION FOR SECNO=  25198.00          CWSEL=    234.81

STA=       28.       100.       128.       146.       158.       174.       220.       250.       675.       724.
  PER Q=      .2        .3        .4        .4        1.0       2.9       3.5       89.1       2.1
   AREA=    58.5      50.7      50.6      45.7      85.0     244.4     234.4     3995.6     211.3
    VEL=     1.0       1.7       2.3       2.8       3.6       3.6       4.5       6.7       3.0

*SECNO 25386.000
3280 CROSS SECTION  25386.00 EXTENDED       1.34 FEET

 25386.00     11.34      235.34      0.00       0.00      235.67      .33       .16        .06      226.00
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STA=      28.     100.     128.     146.     158.     174.     220.     250.     675.     724.
 PER Q=     .2       .3       .4       .4      1.0      2.9      3.5     89.1      2.1
  AREA=   58.5     50.7     50.6     45.7     85.0    244.4    234.4   3995.6    211.3
   VEL=    1.0      1.7      2.3      2.8      3.6      3.6      4.5      6.7      3.0

*SECNO 25386.000
3280 CROSS SECTION  25386.00 EXTENDED      1.34 FEET

 25386.00    11.34   235.34     0.00     0.00   235.67      .33      .16      .06   226.00
   30000.      339.    29109.     552.     158.    6237.     252.    1665.     232.   227.00
      .65     2.15     4.67     2.19     .045     .035     .045     .039   224.00    33.04
  .000564     196.     196.     196.        2        0        0     0.00   726.96   760.00

FLOW DISTRIBUTION FOR SECNO=  25386.00          CWSEL=    235.34

STA=      33.      82.     708.     760.
 PER Q=     1.1     97.0      1.8
  AREA=   157.7   6236.8    251.6
   VEL=     2.2      4.7      2.2

*SECNO 25655.000

3265 DIVIDED FLOW

3280 CROSS SECTION  25655.00 EXTENDED      1.38 FEET

   SECNO     DEPTH     CWSEL     CRIWS    WSELK       EG        HV        HL     OLOSS   BANK ELEV
   Q         QLOB      QCH       QROB     ALOB       ACH      AROB       VOL       TWA   LEFT/RIGHT
   TIME      VLOB      VCH       VROB     XNL        XNCH     XNR        WTN     ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR    ITRIAL     IDC      ICONT      CORAR   TOPWID      ENDST

 25655.00    11.38   235.38     0.00     0.00   235.95      .57      .19      .10   226.00
   30000.     3192.    25139.    1669.     904.    3882.     553.    1699.     236.   225.00
      .66     3.53     6.48     3.02     .045     .035     .045     .039   224.00    26.00
  .001102     244.     244.     244.        2        0        0     0.00   686.78   720.00

FLOW DISTRIBUTION FOR SECNO=  25655.00          CWSEL=    235.38

STA=      26.     140.     190.     218.     600.     645.     720.
 PER Q=     3.1      4.0      3.5     83.8      3.5      2.1
  AREA=   350.3    319.0    234.6   3881.6    304.6    248.5
   VEL=     2.6      3.8      4.5      6.5      3.4      2.5

*SECNO 25843.000
3280 CROSS SECTION  25843.00 EXTENDED      3.81 FEET

 25843.00    11.81   235.81     0.00     0.00   236.14      .33      .13      .05   226.00
   30000.     2761.    27239.       0.    1061.    5739.       0.    1723.     239.   232.00
      .67     2.60     4.75     0.00     .045     .035     .045     .039   224.00     0.00
  .000565     174.     174.     174.        2        0        0     0.00   755.00   755.00

FLOW DISTRIBUTION FOR SECNO=  25843.00          CWSEL=    235.81

STA=       0.      55.      74.     120.     150.     180.     200.     755.
 PER Q=     .6       .6      2.3      1.7      2.2      2.0     90.8
  AREA=   127.1     81.9    267.3    189.3    219.3    176.2   5739.1
   VEL=     1.3      2.1      2.5      2.7      3.0      3.3      4.7

*SECNO 25954.000

3265 DIVIDED FLOW

3280 CROSS SECTION  25954.00 EXTENDED     10.28 FEET

3301 HV CHANGED MORE THAN HVINS

 25954.00    10.28   235.28     0.00     0.00   236.83     1.55      .20      .49   234.00
   30000.       97.    29903.       0.      48.    [illegible]
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3265 DIVIDED FLOW

3280 CROSS SECTION  25954.00 EXTENDED      10.28 FEET


3301 HV CHANGED MORE THAN HVINS

 25954.00     10.28    235.28      0.00      0.00    236.83      1.55       .20       .49    234.00
   30000.       97.     29903.       0.       48.     2987.       0.      1740.      241.    225.00
      .68      2.03     10.01      2.14      .045      .035      .045      .039    225.00      0.00
  .007623      210.      140.       40.         3         0         0      0.00    758.33    820.00

FLOW DISTRIBUTION FOR SECNO=  25954.00          CWSEL=    235.28

STA=        0.       20.      147.      820.
  PER Q=      .0       .3      99.7
   AREA=     5.6     42.0    2987.2
    VEL=     1.2      2.1      10.0

*SECNO 26027.000
3280 CROSS SECTION  26027.00 EXTENDED       1.74 FEET


   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS   BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA   LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN      SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID     ENDST

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 26027.00     11.74    236.74    236.74      0.00    238.58      1.84      1.12       .11    236.00
   30000.       41.     29959.       0.       22.     2752.       0.      1748.      243.    235.00
      .68      1.85     10.89      0.00      .045      .035      .045      .039    225.00    100.54
  .011713      164.      120.       33.         2         8         0      0.00    792.46    893.00

FLOW DISTRIBUTION FOR SECNO=  26027.00          CWSEL=    236.74

STA=      101.      160.      893.
  PER Q=      .1     99.9
   AREA=     22.1   2752.1
    VEL=      1.8     10.9

*SECNO 26040.000

3265 DIVIDED FLOW
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FLOW DISTRIBUTION FOR SECNO=  27000.00          CWSEL=    241.51

STA=     1040.     1357.     1420.     1440.     1460.     1550.     1634.     1687.     1940.
  PER Q=    28.7       8.9       3.3       3.1      14.3      11.3       3.9      26.6
   AREA=  3010.5     787.9     276.1     263.1     945.6     798.5     342.8    1755.1
    VEL=     2.9       3.4       3.6       3.5       4.5       4.2       3.4       4.5

*SECNO 27500.000
1490 NH CARD USED

3265 DIVIDED FLOW

 27500.00    12.94    241.94      0.00      0.00    242.35       .41       .47       .15    242.00
   30000.    24424.    5576.        0.     5034.      889.        0.     2010.      277.    242.00
      .78     4.85      6.27      0.00      .054      .030      .045      .038    229.00   1020.00
  .001519     500.      500.      500.         2         0         0      0.00    687.23   1779.87

FLOW DISTRIBUTION FOR SECNO=  27500.00          CWSEL=    241.94

STA=     1020.     1236.     1463.     1480.     1560.     1580.     1630.     1780.
  PER Q=    20.4      34.6       5.5      15.6       3.1       2.4      18.6
   AREA=  1474.9    2256.1     211.5     735.3     158.8     197.1     889.3
    VEL=     4.1       4.6       7.7       6.4       5.8       3.6       6.3

*SECNO 28000.000
1490 NH CARD USED

3265 DIVIDED FLOW

3280 CROSS SECTION  28000.00 EXTENDED        .77 FEET

 28000.00    10.77    242.77      0.00      0.00    243.06       .28       .64       .06    242.00
   30000.    24845.    5155.        0.     6207.      961.        0.     2085.      286.    242.00
      .81     4.00      5.37      0.00      .055      .030      .045      .038    232.00   1000.00
  .001096     500.      500.      500.         2         0         0      0.00    819.59   1870.00

FLOW DISTRIBUTION FOR SECNO=  28000.00          CWSEL=    242.77

STA=     1000.     1460.     1517.     1570.     1680.     1710.     1870.
  PER Q=    54.5       8.2       8.1      10.9       1.1      17.2
   AREA=  4269.1     614.1     465.0     745.1     113.2     960.8
    VEL=     3.8       4.0       5.2       4.4       2.9       5.4

*SECNO 28250.000
1490 NH CARD USED

3265 DIVIDED FLOW

3280 CROSS SECTION  28250.00 EXTENDED       3.10 FEET

 28250.00    11.10    243.10      0.00      0.00    243.55       .45       .36       .13    242.10
   30000.    23296.    6704.        0.     4856.      947.        0.     2122.      290.    240.00
      .83     4.80      7.08      0.00      .060      .030      .045      .038    232.00   1000.00
  .001940     250.      250.      250.         0         0         0      0.00    687.83   1868.00

FLOW DISTRIBUTION FOR SECNO=  28250.00          CWSEL=    243.10

STA=     1000.     1100.     1290.     1520.     1550.     1710.     1868.
  PER Q=     5.8      25.3      40.8       3.5       2.2      22.3
   AREA=   560.1    1545.8    2331.2     243.0     175.5     946.8
    VEL=     3.1       4.9       5.2       4.3       3.8       7.1

*SECNO 28500.000
1490 NH CARD USED

3265 DIVIDED FLOW

3280 CROSS SECTION  28500.00 EXTENDED       3.60 FEET

 28500.00     9.61    243.61      0.00      0.00    244.05       .44       .50       .00    242.50
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FLOW DISTRIBUTION FOR SECNO=  28250.00          CWSEL=    243.10

STA=    1000.    1100.    1290.    1520.    1550.    1710.    1868.
  PER Q=     5.8     25.3     40.8      3.5      2.2     22.3
    AREA=  560.1   1545.8   2331.2    243.0    175.5    946.8
     VEL=     3.1      4.9      5.2      4.3      3.8      7.1

*SECNO 28500.000
1490 NH CARD USED

3265 DIVIDED FLOW

3280 CROSS SECTION  28500.00 EXTENDED      3.60 FEET

 28500.00     9.61   243.61     0.00     0.00   244.05      .44      .50      .00   242.50
    30000.   22927.    7073.       0.    5195.     927.       0.    2157.     295.   240.00
      .84     4.41     7.63     0.00     .059     .030     .045     .038   234.00  1000.00
  .002077     250.     250.     250.        2        0        0     0.00   953.64  2004.00

FLOW DISTRIBUTION FOR SECNO=  28500.00          CWSEL=    243.61

STA=    1000.    1205.    1280.    1670.    1710.    1840.    1860.    2004.
  PER Q=     4.9      8.3     54.3      4.4      4.2       .3     23.6
    AREA=  659.1    570.0   3257.7    300.0    371.1     37.0    926.7
     VEL=     2.2      4.4      5.0      4.4      3.4      2.5      7.6

*SECNO 28750.000
1490 NH CARD USED
3280 CROSS SECTION  28750.00 EXTENDED      2.30 FEET

   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

3470 ENCROACHMENT STATIONS=        .0    2070.0  TYPE=     1  TARGET=    2069.999
 28750.00    10.30   244.30     0.00     0.00   245.05      .75      .75      .25   243.60
    30000.   19591.   10409.       0.    4030.     1065.       0.    2197.     303. 100000.00
      .85     4.86     9.77     0.00     .059     .030     .045     .037   234.00  1000.00
  .002942     330.     250.     185.        2        0        0     0.00  1070.00  2070.00

FLOW DISTRIBUTION FOR SECNO=  28750.00          CWSEL=    244.30

STA=    1000.    1340.    1460.    1530.    1760.    1920.    2070.
  PER Q=     4.0     21.2     15.3     22.1      2.7     34.7
    AREA=  542.1   1086.0    721.0   1449.1    231.8   1065.0
     VEL=     2.2      5.8      6.4      4.6      3.5      9.8

CCHV=     .300 CEHV=     .500
*SECNO 28760.000
3280 CROSS SECTION  28760.00 EXTENDED       .63 FEET

3301 HV CHANGED MORE THAN HVINS

   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS=        .0    1150.0  TYPE=     1  TARGET=    1149.999

              CAMELBACK RD.-STA.228+60 TO 288+40-LOW FLOW BRIDGE

 28760.00     8.03   244.63   244.63     .46   245.07      .74      .25      .25   243.60
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3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS=        .0    1150.0  TYPE=     1  TARGET=    1149.999

                CAMELBACK RD.-STA.228+60 TO 288+40-LOW FLOW BRIDGE

 28760.00      8.03    244.63    244.63      0.00    245.97      1.34       .05       .29    241.30
   30000.     9381.    20619.        0.     1128.     2127.        0.     2198.      303. 100000.00
      .85      8.31      9.69      0.00      .030      .030      .030      .037    236.60       .00
  .008395       10.       10.       10.        20        14         0      0.00   1150.00   1150.00

FLOW DISTRIBUTION FOR SECNO=  28760.00          CWSEL=    244.63

STA=        0.      250.      370.      490.     1150.
  PER Q=      8.5      10.3      12.5      68.7
   AREA=    407.3     339.5     381.5    2127.2
    VEL=      6.3       9.1       9.8       9.7

*SECNO 28840.000

3265 DIVIDED FLOW

3280 CROSS SECTION  28840.00 EXTENDED      1.40 FEET


3470 ENCROACHMENT STATIONS=     200.0    1150.0  TYPE=     1  TARGET=     950.000

                TREES ALONG CAMELBACK RD.

 28840.00      8.80    245.40      0.00      0.00    246.55      1.14       .52       .06    241.30
   30000.     8945.    21055.        0.     1067.     2431.        0.     2204.      305. 100000.00
      .86      8.38      8.66      0.00      .030      .030      .030      .037    236.60    200.00
  .005166       80.       80.       80.         2         0         0      0.00    900.00   1150.00

FLOW DISTRIBUTION FOR SECNO=  28840.00          CWSEL=    245.40

STA=      200.      250.      370.      490.     1150.
  PER Q=      4.0      12.1      13.8      70.2
   AREA=    160.2     432.6     474.6    2430.8
    VEL=      7.4       8.4       8.7       8.7

CCHV=    .200 CEHV=    .400
*SECNO 29000.000
3280 CROSS SECTION  29000.00 EXTENDED      2.84 FEET


3301 HV CHANGED MORE THAN HVINS

 29000.00      7.84    246.84      0.00      0.00    247.11       .27       .40       .17    240.50
   30000.     6616.    18548.     4836.     1838.     4312.     1061.     2224.      309.    242.00
      .87      3.60      4.30      4.56      .045      .045      .040      .037    239.00      0.00
  .001443       160.      160.      160.         2         0         0      0.00   1255.00   1255.00

FLOW DISTRIBUTION FOR SECNO=  29000.00          CWSEL=    246.84

STA=        0.      186.      387.     1066.     1074.     1085.     1121.     1132.     1146.     1236.     1248.     1255.
  PER Q=      7.3      14.8      61.8       .4        .6       3.2       1.4       1.8       8.0        .5        .1
   AREA=    714.3    1123.7    4312.3      34.7      47.7     210.3      80.7     102.8     525.6      46.1      12.9
    VEL=      3.0       4.0       4.3       3.7       3.7       4.6       5.3       5.3       4.6       3.4       2.1

*SECNO 29250.000
3280 CROSS SECTION  29250.00 EXTENDED      3.22 FEET


 29250.00      7.22    247.22      0.00      0.00    247.56       .33       .42       .02    242.00
   30000.     2013.    23843.     4144.      617.     5079.      856.     2263.      316.    243.00
      .88      3.26      4.69      4.84      .045      .045      .040      .038    240.00      0.00
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   AREA=    714.3   1123.7   4312.3     34.7     47.7    210.3     80.7    102.8    525.6     46.1     12.9
    VEL=      3.0      4.0      4.3      3.7      3.7      4.6      5.3      5.3      4.6      3.4      2.1

*SECNO 29250.000
3280 CROSS SECTION  29250.00 EXTENDED      3.22 FEET


 29250.00     7.22   247.22     0.00     0.00   247.56      .33      .42      .02   242.00
   30000.     2013.  23843.    4144.     617.    5079.     856.    2263.     316.   243.00
      .88     3.26     4.69     4.84     .045     .045     .040     .038   240.00     0.00
  .001954     250.     250.     250.        2        0        0     0.00  1237.28  1237.28


FLOW DISTRIBUTION FOR SECNO=  29250.00          CWSEL=    247.22

STA=        0.     145.     183.    1063.    1133.    1182.    1218.    1237.
  PER Q=     4.9      1.8     79.5      5.9      4.2      3.1       .6
   AREA=   467.2    149.4   5078.9    360.1    255.9    188.0     52.0
    VEL=     3.1      3.7      4.7      4.9      4.9      4.9      3.6

*SECNO 29500.000
3280 CROSS SECTION  29500.00 EXTENDED      1.72 FEET


   SECNO    DEPTH    CWSEL    CRIWS    WSELK       EG       HV       HL    OLOSS   BANK ELEV
       Q     QLOB      QCH     QROB     ALOB      ACH     AROB      VOL      TWA   LEFT/RIGHT
    TIME     VLOB      VCH     VROB      XNL     XNCH      XNR      WTN    ELMIN       SSTA
   SLOPE    XLORL     XLCH    XLOBR   ITRIAL      IDC    ICONT    CORAR   TOPWID       ENDST


 29500.00     7.72   247.72     0.00     0.00   248.01      .29      .45      .01   242.00
   30000.     7703.  16889.    5408.    2187.    3730.    1176.    2303.     323.   242.00
      .90     3.52     4.53     4.60     .045     .045     .040     .038   240.00     0.00
  .001635     250.     250.     250.        2        0        0     0.00  1353.20  1353.20


FLOW DISTRIBUTION FOR SECNO=  29500.00          CWSEL=    247.72

STA=        0.      63.     207.     215.     522.    1119.    1179.    1292.    1312.    1342.    1353.
  PER Q=     1.5      5.7       .3     18.2     56.3      5.5     10.4      1.3       .8       .0
   AREA=   171.5    536.1     29.8   1449.9   3730.4    343.4    646.7     94.5     81.7      9.6
    VEL=     2.6      3.2      3.2      3.8      4.5      4.8      4.8      4.2      2.9      1.3

CCHV=     .200 CEHV=     .400
*SECNO 30000.000
3280 CROSS SECTION  30000.00 EXTENDED      2.77 FEET


 30000.00     8.77   248.77     0.00     0.00   249.17      .40     1.12      .04   246.00
   30000.     4552.  17819.    7628.    1264.    3260.    1602.    2379.     340.   242.00
      .93     3.60     5.47     4.76     .045     .045     .045     .038   240.00     0.00
  .003224     500.     500.     500.        2        0        0     0.00  1539.00  1539.00


FLOW DISTRIBUTION FOR SECNO=  30000.00          CWSEL=    248.77

STA=        0.     173.     480.    1134.    1174.    1366.    1539.
  PER Q=     5.0     10.1     59.4      4.0     13.6      7.8
   AREA=   431.8    831.9   3259.8    210.9    824.5    566.3
    VEL=     3.5      3.7      5.5      5.7      5.0      4.1

*SECNO 30500.000
3280 CROSS SECTION  30500.00 EXTENDED       .88 FEET


 30500.00    12.08   250.08     0.00     0.00   250.41      .33     1.23      .01   246.00
   30000.     4947.  20912.    4141.    1615.    4033.    1520.    2455.     359.   246.00
      .96     3.06     5.19     2.72     .045     .045     .045     .038   238.00     0.00
  .001937     500.     500.     500.        2        0        0     0.00  1783.00  1783.00


FLOW DISTRIBUTION FOR SECNO=  30500.00          CWSEL=    250.08

STA=        0.      12.     101.     292.     550.    1147.    1453.    1477.    1507.    1668.    1783.
  PER Q=      .1      1.5      4.5     10.5     69.7      9.7       .2       .2      2.6      1.1
   AREA=    13.0    185.2    492.9    923.7   4033.0    942.6     31.9     39.9    334.9    170.2
    VEL=     1.5      3.4      3.7      4.4      5.8      3.4      1.6      1.6      3.5      2.7
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 30000.    4947.   20912.    4141.    1615.    4033.    1520.    2455.     359.    246.00
    .96     3.06    5.19     2.72     .045     .045     .045     .038   238.00     0.00
 .001937    500.    500.     500.        2        0        0     0.00  1783.00  1783.00


FLOW DISTRIBUTION FOR SECNO=  30500.00          CWSEL=    250.08

STA=        0.      12.     101.     292.     550.    1147.    1453.    1477.    1507.    1668.    1783.
  PER Q=      .1     1.5      4.5     10.5     69.7      9.7       .2       .2      2.6      1.1
   AREA=    13.0   185.2    492.9    923.7   4033.0    942.6     31.9     39.9    334.9    170.2
    VEL=     1.5     2.4      2.7      3.4      5.2      3.1      1.8      1.8      2.4      1.9

*SECNO 31000.000
3260 CROSS SECTION  31000.00 EXTENDED      1.27 FEET


 31000.00    7.27   251.27     0.00     0.00   251.63      .36     1.21      .01   248.00
  30000.    9998.   14700.    5302.    1810.    3129.    1504.    2533.     379.    248.00
     .99    5.52     4.70     3.53     .045     .045     .045     .038   244.00     0.00
 .003095    500.     500.     500.        2        0        0     0.00  1776.00  1776.00


FLOW DISTRIBUTION FOR SECNO=  31000.00          CWSEL=    251.27

STA=        0.     184.     323.     360.     419.    1183.    1291.    1482.    1749.    1776.
  PER Q=     4.6    20.5      4.8      3.3     49.0      4.8      7.4      5.3       .2
   AREA=   425.7   930.6    232.0    222.0   3128.8    353.2    576.9    539.4     34.3
    VEL=     3.3     6.6      6.2      4.5      4.7      4.0      3.8      2.9      2.2

*SECNO 31250.000

3265 DIVIDED FLOW

 31250.00    7.90   251.90     0.00     0.00   252.23      .33      .60      .01   248.00
  30000.    7009.   21034.    1957.    1608.    4342.     780.    2571.     389.    248.00
    1.00    4.36     4.84     2.51     .045     .045     .045     .038   244.00    59.58
 .001901    250.     250.     250.        0        0        0     0.00  1531.02  1692.06


FLOW DISTRIBUTION FOR SECNO=  31250.00          CWSEL=    251.90

STA=       60.     219.     291.     325.     453.    1156.    1306.    1692.
  PER Q=     3.4    10.8      3.2      5.9     70.1      4.2      2.3
   AREA=   339.7   568.8    200.6    499.1   4342.2    434.9    344.7
    VEL=     3.0     5.7      4.8      3.6      4.8      2.9      2.0

CCHV=     .300 CEHV=     .500
*SECNO 31423.000

3265 DIVIDED FLOW


3301 HV CHANGED MORE THAN HVINS

  SECNO     DEPTH     CWSEL     CRIWS     WSELK        EG        HV        HL     OLOSS   BANK ELEV
  Q         QLOB      QCH       QROB      ALOB       ACH      AROB       VOL       TWA   LEFT/RIGHT
  TIME      VLOB      VCH       VROB       XNL      XNCH       XNR       WTN     ELMIN       SSTA
  SLOPE     XLOBL     XLCH      XLOBR    ITRIAL       IDC     ICONT     CORAR    TOPWID      ENDST


7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS=     215.0    1500.0  TYPE=     1  TARGET=    1285.000

            TREES ALONG CHAPARRAL RD.


                CHAPARRAL RD. LOW FLOW BRIDGE--STA. 31423 TO 31503


                FLOWS  CONFINED RIGHT BANK L.F.C.-STA.314+23 TO STA 327+50

 31423.00    6.85   252.05   252.05     0.00   253.44     1.38      .60      .53   249.30
  30000.    5942.   24058.       0.     823.    2427.       0.    2591.     394. 100000.00
    1.01    7.22     9.91     0.00     .030     .030     .030     .038   245.20   215.00
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CHAPARRAL RD. LOW FLOW BRIDGE--STA. 31423 TO 31503

FLOWS CONFINED RIGHT BANK L.F.C.-STA.314+23 TO STA 327+50

31423.00	6.85	252.05	252.05	0.00	253.44	1.38	.60	.53	249.30
30000.	5942.	24058.	0.	823.	2427.	0.	2591.	394.	100000.00
1.01	7.22	9.91	0.00	.030	.030	.030	.038	245.20	215.00
.008442	173.	173.	173.	3	12	0	0.00	1171.26	1500.00

FLOW DISTRIBUTION FOR SECNO= 31423.00 CWSEL= 252.05

STA=	215.	400.	610.	720.	1500.
PER Q=	4.1	12.7	3.1	80.2	
AREA=	231.1	483.7	108.1	2427.0	
VEL=	5.3	7.9	8.5	9.9	

*SECNO 31503.000

3301 HV CHANGED MORE THAN HVINS

3470 ENCROACHMENT STATIONS= .0 1500.0 TYPE= 1 TARGET= 1499.999

31503.00	8.33	253.53	0.00	0.00	253.99	.46	.28	.28	249.30
30000.	9345.	20655.	0.	2019.	3559.	0.	2599.	397.	100000.00
1.01	4.63	5.80	0.00	.030	.030	.030	.038	245.20	.00
.001879	80.	80.	80.	3	0	0	0.00	1500.00	1500.00

FLOW DISTRIBUTION FOR SECNO= 31503.00 CWSEL= 253.53

STA=	0.	170.	400.	720.	1500.
PER Q=	1.6	7.7	21.9	68.9	
AREA=	199.3	580.2	1239.2	3558.6	
VEL=	2.4	4.0	5.3	5.8	

CCHV= .200 CEHV= .400
*SECNO 31750.000

3470 ENCROACHMENT STATIONS= .0 1080.0 TYPE= 1 TARGET= 1079.999

31750.00	7.96	253.96	0.00	0.00	254.27	.31	.25	.03	246.00
30000.	1505.	22179.	6316.	566.	4513.	2082.	2635.	404.	246.00
1.03	2.66	4.91	3.03	.040	.030	.040	.038	246.00	.62
.000620	247.	247.	247.	2	0	0	0.00	1079.38	1080.00

FLOW DISTRIBUTION FOR SECNO= 31750.00 CWSEL= 253.96

STA=	1.	124.	138.	705.	787.	899.	1052.	1080.
PER Q=	3.9	1.1	73.9	4.5	3.4	12.3	.9	
AREA=	468.9	97.4	4512.6	456.6	443.4	1065.4	117.1	
VEL=	2.5	3.3	4.9	2.9	2.3	3.5	2.3	

*SECNO 32000.000

3470 ENCROACHMENT STATIONS= .0 980.0 TYPE= 1 TARGET= 979.999

32000.00	8.09	254.09	0.00	0.00	254.46	.36	.17	.02	246.00
30000.	1163.	21335.	7502.	396.	3999.	2240.	2674.	410.	246.00
1.04	2.93	5.33	3.35	.040	.030	.040	.038	246.00	.00
.000735	250.	250.	250.	2	0	0	0.00	980.00	980.00

FLOW DISTRIBUTION FOR SECNO= 32000.00 CWSEL= 254.09

STA=	0.	90.	595.	670.	755.	840.	952.	980.
PER Q=	3.9	71.1	6.6	4.3	3.5	9.8	.8	
AREA=	396.4	3999.3	532.0	432.0	378.0	791.0	106.7	
VEL=	2.9	5.3	3.7	3.0	2.7	3.7	2.4	

*SECNO 32500.000

3470 ENCROACHMENT STATIONS= .0 1000.0 TYPE= 1 TARGET= 999.999

32500.00	8.45	254.45	0.00	0.00	255.04	.59	.49	.09	248.00
30000.	6002.	15847.	8151.	1523.	2100.	1954.	2744.	431.	246.00

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STA=        0.      90.     595.     670.     755.     840.     952.     980.
  PER Q=     3.9    71.1      6.6      4.3      3.5      9.8       .8
   AREA=   396.4  3999.3    532.0    432.0    378.0    791.0    106.7
    VEL=     2.9     5.3      3.7      3.0      2.7      3.7      2.4

*SECNO 32500.000

3470 ENCROACHMENT STATIONS=        .0    1000.0  TYPE=     1  TARGET=     999.999
 32500.00     8.45   254.45     0.00     0.00   255.04      .59      .49      .09   248.00
   30000.    6002.   15847.    8151.    1523.    2100.    1954.    2744.     421.   246.00
     1.06     3.94     7.55     4.17     .040     .030     .040     .038   246.00     8.70
  .001366     500.     500.     500.        1        0        0     0.00   991.02   999.73

FLOW DISTRIBUTION FOR SECNO=  32500.00          CWSEL=    254.45

STA=        9.     134.     343.     594.     636.     693.     807.     972.    1000.
  PER Q=     3.9    16.1     52.8      5.4      4.4      3.3     13.2       .8
   AREA=   386.4  1136.9   2100.4    312.5    310.1    340.1    902.8     88.1
    VEL=     3.0     4.2      7.5      5.2      4.2      2.9      4.4      2.9

*SECNO 32750.000
3280 CROSS SECTION  32750.00 EXTENDED        .82 FEET

   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

3470 ENCROACHMENT STATIONS=        .0    1010.0  TYPE=     1  TARGET=    1009.999
 32750.00     8.82   254.82     0.00     0.00   255.38      .56      .34      .01   246.00
   30000.   11460.   12085.    6456.    2494.    1544.    1598.    2777.     427.   246.00
     1.08     4.60     7.83     4.04     .040     .030     .040     .038   246.00    26.28
  .001371     250.     250.     250.        2        0        0     0.00   982.86  1009.15

FLOW DISTRIBUTION FOR SECNO=  32750.00          CWSEL=    254.82

STA=       26.     150.     370.     490.     665.     715.     820.     982.    1009.
  PER Q=     3.2    18.1     17.0     40.3      5.4      3.9     11.4       .7
   AREA=   314.7  1240.5    938.5   1543.6    331.0    366.4    820.0     80.5
    VEL=     3.0     4.4      5.4      7.8      4.9      3.2      4.2      2.8

*SECNO 33000.000

3265 DIVIDED FLOW

3470 ENCROACHMENT STATIONS=     104.0    1207.0  TYPE=     1  TARGET=    1103.000
 ELENCL=    260.00  ELENCR= 100000.00
 33000.00     9.26   255.26     0.00     0.00   255.72      .45      .31      .02   246.00
   30000.    6903.   23097.       0.    1530.    4088.       0.    2809.     432. 100000.00
     1.09     4.51     5.65     0.00     .040     .030     .040     .038   246.00   250.25
  .001157     250.     250.     250.        2        0        0     0.00   913.14  1205.16

FLOW DISTRIBUTION FOR SECNO=  33000.00          CWSEL=    255.26

STA=      250.     261.     275.     310.     420.     499.    1207.
  PER Q=      .0       .2      1.7      9.9     11.2     77.0
   AREA=     6.8     31.7    149.3    689.2    652.9   4087.8
    VEL=      .9      2.2      3.3      4.3      5.2      5.7

CCHV=    .200 CEHV=    .400
*SECNO 33500.000

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS
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CCHV=     .200 CEHV=     .400
*SECNO 33500.000

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

3470 ENCROACHMENT STATIONS=      125.0     1216.0  TYPE=      1  TARGET=     1091.000
 ELENCL=     260.00  ELENCR= 100000.00
 33500.00      6.00    256.00      0.00      0.00    257.39      1.38      1.30       .37    251.60
   30000.    11249.    18751.        0.     1194.     1985.        0.     2859.      442. 100000.00
     1.10      9.42      9.45      0.00      .040      .040      .040      .038    250.00    346.94
  .010236      500.      500.      500.         2         0         0      0.00    810.15   1205.03

FLOW DISTRIBUTION FOR SECNO=  33500.00          CWSEL=    256.00

STA=      347.      363.      422.      660.     1216.
  PER Q=      .2       4.6      32.7      62.5
   AREA=     16.1     177.3    1000.8    1985.0
    VEL=      3.8       7.8       9.8       9.4

*SECNO 34000.000

3301 HV CHANGED MORE THAN HVINS

3470 ENCROACHMENT STATIONS=      315.0     1207.0  TYPE=      1  TARGET=      892.000
 34000.00      7.60    259.60      0.00      0.00    260.26       .66      2.73       .14    253.60
   30000.    14892.    15108.        0.     2216.     2386.        0.     2904.      452. 100000.00
     1.13      6.72      6.33      0.00      .040      .040      .040      .038    252.00    315.00
  .003393      500.      500.      500.         2         0         0      0.00    890.40   1205.40

FLOW DISTRIBUTION FOR SECNO=  34000.00          CWSEL=    259.60

STA=      315.      360.      383.      496.      523.      730.     1207.
  PER Q=      1.8       2.1      14.4       3.4      28.0      50.4
   AREA=    126.0     105.8     632.7     151.2    1200.4    2386.3
    VEL=      4.2       6.0       6.8       6.8       7.0       6.3

*SECNO 34500.000
3280 CROSS SECTION  34500.00 EXTENDED      1.36 FEET

 34500.00      6.36    261.36      0.00      0.00    261.98       .62      1.71       .01    256.00
   30000.    21749.     8251.        0.     3343.     1413.        0.     2958.      463.    260.00
     1.15      6.51      5.84      0.00      .040      .040      .040      .038    255.00      2.24
  .003444      500.      500.      500.         3         0         0      0.00    978.76    981.00

FLOW DISTRIBUTION FOR SECNO=  34500.00          CWSEL=    261.36

STA=        2.        7.       20.      146.      437.      464.      490.      661.      981.
  PER Q=      .0        .4      10.7      34.7       3.2       3.1      20.4      27.5
   AREA=      3.2      30.7     549.3    1559.7     144.7     139.4     916.5    1412.9
    VEL=      1.6       3.8       5.8       6.7       6.7       6.7       6.7       5.8

*SECNO 35000.000

3265 DIVIDED FLOW

   SECNO      DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        QLOSS   BANK ELEV
   Q          QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA   LEFT/RIGHT
   TIME       VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN      SSTA
   SLOPE      XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID     ENDST

        BACKSTOP FENCE BLOCKED OFF:  STA. 35000

 35000.00      7.27    263.27      0.00      0.00    264.25       .98      2.12       .14    261.50
   30000.    21703.     8297.        0.     2809.      977.        0.     3007.      473.    264.50
```

```
Q        GLOB     GCH      GROB     ALOB     ACH      AROB     VOL      TWA      BANK ELEV
TIME     VLOB     VCH      VROB     XNL      XNCH     XNR      WTN      ELMIN    LEFT/RIGHT
SLOPE    XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID   ENDST


        BACKSTOP FENCE BLOCKED OFF:  STA. 35000

35000.00     7.27   263.27     0.00     0.00   264.25      .98     2.12      .14   261.50
  30000.    21703.   8297.       0.    2809.     977.       0.    3007.     473.   264.50
   1.17      7.73     8.50     0.00     .040     .040     .040     .038   256.00     2.75
 .005358     500.     500.     500.        2        0        0     0.00   768.13   995.89

FLOW DISTRIBUTION FOR SECNO=  35000.00          CWSEL=    263.27

STA=        3.       15.       35.      130.      225.      565.      720.      785.      820.     1000.
  PER Q=     .2       2.0      13.7      11.7      14.2      22.4       6.6       1.5      27.7
   AREA=   20.0      85.3     500.3     462.3     559.6     816.2     277.3      88.1     976.6
    VEL=    3.7       7.1       8.2       7.6       7.6       8.2       7.2       5.0       8.5

*SECNO 35500.000
3280 CROSS SECTION  35500.00 EXTENDED      1.38 FEET


3301 HV CHANGED MORE THAN HVINS

35500.00     9.38   265.38     0.00     0.00   265.80      .41     1.44      .11   262.00
  30000.    23350.   6591.      59.    4601.    1206.      48.    3062.     483.   264.00
   1.19      5.07     5.47     1.23     .040     .040     .040     .038   256.00     0.00
 .001788     500.     500.     500.        2        0        0     0.00  1079.16  1079.16

FLOW DISTRIBUTION FOR SECNO=  35500.00          CWSEL=    265.38

STA=        0.       70.      150.      400.      540.      580.      660.      720.      790.      825.     1010.     1079.
  PER Q=    5.5       7.8      28.0      19.2       4.4       3.6       3.7       4.3       1.4      22.0        .2
   AREA=  349.8     462.7    1570.8     991.6     247.3     290.7     263.0     306.8     118.4    1205.9      47.8
    VEL=    4.7       5.1       5.3       5.8       5.3       3.7       4.2       4.2       3.5       5.5       1.2

*SECNO 35750.000
3280 CROSS SECTION  35750.00 EXTENDED      1.84 FEET


35750.00     9.84   265.84     0.00     0.00   266.32      .48      .50      .03   262.70
  30000.    24685.   5315.       0.    4404.     976.       0.    3094.     489.   266.00
   1.20      5.60     5.45     0.00     .040     .040     .040     .038   256.00     0.00
 .002242     250.     250.     250.        2        0        0     0.00   998.15   998.15

FLOW DISTRIBUTION FOR SECNO=  35750.00          CWSEL=    265.84

STA=        0.       65.      110.      235.      350.      450.      530.      630.      700.      775.      820.     1000.
  PER Q=    5.8      11.0       7.7       9.3      14.5      11.6       8.1       6.1       6.1       2.1      17.7
   AREA=  329.7     422.9     510.2     556.8     684.1     547.3     484.1     348.9     363.1     157.1     975.6
    VEL=    5.3       7.8       4.5       5.0       6.3       6.3       5.0       5.3       5.0       4.0       5.4

*SECNO 36030.000

3265 DIVIDED FLOW

36030.00    10.37   266.37     0.00     0.00   267.10      .73      .68      .10   263.00
  30000.    23888.   6111.       1.    3387.    1014.       2.    3126.     495.   266.00
   1.22      7.05     6.02      .62     .040     .040     .040     .038   256.00   280.00
 .002634     280.     280.     280.        2        0        0     0.00   705.15  1011.61

FLOW DISTRIBUTION FOR SECNO=  36030.00          CWSEL=    266.37

STA=      280.      300.      400.      450.      490.      555.      615.      710.      780.      820.     1000.     1012.
  PER Q=    1.8      15.4       7.7       1.7       3.6      18.8      20.8       7.3       2.4      20.4        .0
   AREA=  107.4     677.2     338.6     126.9     188.7     622.3     795.3     376.0     154.9    1014.4       2.2
    VEL=    5.1       6.8       6.8       4.1       5.7       9.1       7.9       5.8       4.7       6.0        .6

*SECNO 36250.000
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FLOW DISTRIBUTION FOR SECNO=  36030.00          CWSEL=    266.37

STA=      280.      300.      400.      450.      490.      555.      615.      710.      780.      820.     1000.     1012.
  PER Q=    1.8      15.4       7.7       1.7       3.6      18.8      20.8       7.3       2.4      20.4        .0
  AREA=   107.4     677.2     338.6     126.9     188.7     622.3     795.3     376.0     154.9    1014.4       2.2
    VEL=    5.1       6.8       6.8       4.1       5.7       9.1       7.9       5.8       4.7       6.0        .6

*SECNO 36250.000

3265 DIVIDED FLOW

3280 CROSS SECTION  36250.00 EXTENDED        .37 FEET

 36250.00     7.97    266.97      0.00      0.00    267.82       .85       .67       .05    263.00
   30000.    19156.    10707.      136.     2671.     1366.       80.     3147.      499.    266.00
     1.22     7.17      7.84      1.70      .040      .040      .040      .038    259.00    300.00
  .003567     220.      220.      220.         2         0         0      0.00    809.05   1150.00

FLOW DISTRIBUTION FOR SECNO=  36250.00          CWSEL=    266.97

STA=      300.      345.      420.      500.      530.      590.      630.      650.      715.      825.     1030.     1150.
  PER Q=    6.1      15.0      16.0       1.8        .3       2.9       2.8       9.2       9.9      35.7        .5
  AREA=   268.6     541.5     577.6     106.3      27.6     158.8     117.4     381.5     491.6    1366.3      80.3
    VEL=    6.8       8.3       8.3       5.0       2.9       5.6       7.2       7.2       6.0       7.8       1.7

*SECNO 36500.000
3280 CROSS SECTION  36500.00 EXTENDED        .53 FEET

   SECNO     DEPTH     CWSEL     CRIWS     WSELK        EG        HV        HL     OLOSS   BANK ELEV
   Q         QLOB      QCH       QROB      ALOB       ACH      AROB       VOL       TWA   LEFT/RIGHT
   TIME      VLOB      VCH       VROB       XNL      XNCH       XNR       WTN     ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR    ITRIAL       IDC     ICONT     CORAR    TOPWID       ENDST

 36500.00     8.53    268.03      0.00      0.00    268.47       .44       .56       .08    264.50
   30000.    14700.    15168.      132.     3034.     2649.       77.     3176.      504.    266.00
     1.24     4.84      5.73      1.72      .040      .040      .040      .038    259.50    300.00
  .001547     250.      250.      250.         2         0         0      0.00    930.00   1230.00

FLOW DISTRIBUTION FOR SECNO=  36500.00          CWSEL=    268.03

STA=      300.      420.      550.      660.      720.      815.      830.     1170.     1230.
  PER Q=   13.7      15.4       5.7       6.7       6.8        .7      50.6        .4
  AREA=   813.6     881.4     413.3     391.8     477.8      56.7    2648.8      76.8
    VEL=    5.1       5.2       4.2       5.1       4.3       3.5       5.7       1.7

*SECNO 36650.000
3280 CROSS SECTION  36650.00 EXTENDED       1.14 FEET

 36650.00     8.74    268.34      0.00      0.00    268.70       .36       .22       .02    265.50
   30000.    16732.    12790.      478.     3674.     2467.      243.     3197.      507.    266.00
     1.25     4.55      5.18      1.96      .040      .040      .040      .038    259.60    230.00
  .001336     150.      150.      150.         2         0         0      0.00   1070.00   1300.00

FLOW DISTRIBUTION FOR SECNO=  36650.00          CWSEL=    268.34

STA=      230.      300.      555.      605.      650.      710.      810.      830.     1160.     1300.
  PER Q=    7.2      26.4       3.0       4.9       6.1       7.4        .8      42.6       1.6
  AREA=   475.1     1667.1     234.9     303.2     388.3     533.8      71.8    2467.0     243.3
    VEL=    4.6       4.7       3.8       4.8       4.7       4.1       3.2       5.2       2.0

*SECNO 36717.000

3265 DIVIDED FLOW

3280 CROSS SECTION  36717.00 EXTENDED       1.37 FEET
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  AREA=    475.1   1667.1    234.9    303.2    388.3    533.8     71.8   2467.0    243.3
   VEL=      4.6      4.7      3.8      4.8      4.7      4.1      3.2      5.2      2.0

*SECNO 36717.000

3265 DIVIDED FLOW

3280 CROSS SECTION  36717.00 EXTENDED       1.37 FEET


3495 OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA=      265.00 ELREA=      273.00

 36717.00     8.37   268.37     0.00     0.00   268.85      .48      .11      .05   268.95
   30000.   18413.   11587.       0.     3716.    1791.       0.    3206.     509.   271.00
     1.25     4.95     6.47     0.00     .040     .040     .040     .038   260.00   150.00
  .001973      67.      67.      67.        2        0        0     0.00   986.29  1154.00

FLOW DISTRIBUTION FOR SECNO=  36717.00          CWSEL=    268.37

STA=      150.     260.     480.     600.     620.     780.     850.     922.    1154.
  PER Q=     5.9     20.5     14.4      2.5     14.5      2.9       .5     38.6
   AREA=   436.7   1203.3    764.4    131.4    859.1    235.9     85.7   1791.1
    VEL=     4.1      5.1      5.7      5.8      5.1      3.7      1.8      6.5

*SECNO 36718.000

3265 DIVIDED FLOW

3280 CROSS SECTION  36718.00 EXTENDED       1.37 FEET


3370 NORMAL BRIDGE,NRD= 27 MIN ELTRD=  261.60 MAX ELLC=  271.00

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA=      265.00 ELREA=      273.00

 36718.00     8.36   268.36     0.00     0.00   268.86      .50      .00      .01   268.95
   30000.   21194.    8806.       0.     3718.    1577.       0.    3206.     509.   271.00
     1.25     5.70     5.58     0.00     .040     .040     .040     .038   260.00   150.00
  .002611       1.       1.       1.        0        0        0   -67.77   974.34  1154.00

FLOW DISTRIBUTION FOR SECNO=  36718.00          CWSEL=    268.36

STA=      150.     260.     480.     600.     620.     780.     850.     922.    1154.
  PER Q=     6.8     23.7     16.6      2.9     16.7      3.4       .6     29.4
   AREA=   436.8   1203.7    764.5    131.4    859.4    236.0     85.8   1577.0
    VEL=     4.7      5.9      6.5      6.7      5.8      4.3      2.1      5.6

*SECNO 36793.000

3265 DIVIDED FLOW

3280 CROSS SECTION  36793.00 EXTENDED       1.59 FEET


3370 NORMAL BRIDGE,NRD= 27 MIN ELTRD=  261.60 MAX ELLC=  271.00

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA=      205.00 ELREA=      269.00

 36793.00     8.59   268.59     0.00     0.00   269.06      .46      .19      .01   268.95
   30000.   21463.    8537.       0.     3890.    1605.       0.    3215.     510.   271.00
     1.25     5.52     5.32     0.00     .040     .040     .040     .038   260.00   150.00
  .002329      76.      76.      76.        2        0        0   -84.99   981.12  1154.00

FLOW DISTRIBUTION FOR SECNO=  36793.00          CWSEL=    268.59

STA=      150.     260.     480.     600.     620.     780.     850.     929.    1154.
  PER Q=     7.0     23.9     16.6      2.9     16.9      3.5       .7     28.5
   AREA=   461.3   1252.6    791.2    135.9    894.9    251.5    102.6   1604.7
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 30000.   21863.    8537.      0.    3890.    1605.      0.    3215.     510.   271.00
  1.25      5.52     5.32    0.00     .040     .040    .040     .038   260.00   150.00
 .002329     76.      76.     76.       2        0       0   -84.99   981.12  1154.00


FLOW DISTRIBUTION FOR SECNO=  36793.00          CWSEL=    268.59

STA=      150.     260.     480.     600.     620.     780.     850.     929.    1154.
  PER Q=    7.0     23.9     16.6      2.9     16.9      3.5       .7     28.5
   AREA=  461.3   1252.6    791.2    135.9    894.9    251.5    102.6   1604.7
    VEL=    4.6      5.7      6.3      6.4      5.6      4.2      2.1      5.3

*SECNO 36794.000

3265 DIVIDED FLOW

3280 CROSS SECTION  36794.00 EXTENDED      1.81 FEET


   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST


 36794.00     8.81    268.81      0.00      0.00    269.09       .29       .00       .04    268.95
   30000.    17331.    9862.     2807.     4395.     1885.     1286.     3215.      510.    271.00
     1.25      3.94     5.23      2.18      .040      .040      .040      .038    260.00      0.00
  .001211       1.       1.        1.         2         0         0      0.00   1749.83   1840.00

FLOW DISTRIBUTION FOR SECNO=  36794.00          CWSEL=    268.81

STA=        0.     260.     480.     600.     780.     936.    1154.    1840.
  PER Q=    8.2     18.3     12.7     15.2      3.5     32.9      9.4
   AREA=  821.4   1300.0    817.1   1069.7    387.0   1885.2   1286.2
    VEL=    3.0      4.2      4.6      4.3      2.7      5.2      2.2

CCHV=    .200 CEHV=    .400
*SECNO 36900.000
 36900.00     8.15    268.85      0.00      0.00    269.25       .41       .11       .05    265.70
   30000.    20376.    9565.       58.     4129.     1727.       15.     3232.      514.    265.70
     1.26      4.94     5.54      3.93      .032      .032      .015      .038    260.70     16.54
  .000923     106.     106.      106.         2         0         0      0.00    872.89    889.44

FLOW DISTRIBUTION FOR SECNO=  36900.00          CWSEL=    268.85

STA=       17.      45.     485.     495.     525.     668.     880.     889.
  PER Q=    1.1     54.9      1.1      2.7      8.2     31.9       .2
   AREA=  111.7   3144.0     65.0    175.4    642.8   1726.8     14.8
    VEL=    3.2      5.2      4.9      4.6      3.8      5.5      3.9
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THIS RUN EXECUTED 05 DEC 77 12.37.58

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*************************************************
 HEC2 RELEASE DATED NOV 76 UPDATED  AUG1977
 ERROR CORR -  01,02
 MODIFICATION -  50,51,52,53
*************************************************

NOTE- ASTERISK (*) AT LEFT OF CROSS-SECTION NUMBER INDICATES MESSAGE IN SUMMARY OF ERRORS LIST
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THIS RUN EXECUTED 05 DEC 77 12.37.58

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*************************************************
 HEC2 RELEASE DATED NOV 76 UPDATED  AUG1977
 ERROR CORR =  01,02
 MODIFICATION =  50,51,52,53
*************************************************
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NOTE- ASTERISK (*) AT LEFT OF CROSS-SECTION NUMBER INDICATES MESSAGE IN SUMMARY OF ERRORS LIST

PRE. PLANS PROP.BRIDGE

SUMMARY PRINTOUT TABLE 150

SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRIWS	EG	10K*S	VCH	AREA	.01K
* 11061.000	0.00	0.00	0.00	186.00	30000.00	195.99	195.99	198.61	107.54	13.00	2307.51	2892.85
11111.000	50.00	0.00	0.00	192.00	30000.00	198.32	0.00	199.22	30.06	7.61	3940.61	5471.36
11161.000	50.00	0.00	0.00	192.00	30000.00	198.58	0.00	199.39	32.17	7.21	4163.46	5289.18
11300.000	139.00	0.00	0.00	190.00	30000.00	198.80	0.00	199.79	17.36	8.11	3840.61	7199.63
11500.000	200.00	0.00	0.00	190.00	30000.00	199.39	0.00	200.11	10.95	7.30	4635.13	9064.13
11800.000	300.00	0.00	0.00	190.00	30000.00	199.98	0.00	200.56	18.18	6.56	5036.16	7036.66
11930.000	130.00	0.00	0.00	190.00	30000.00	200.14	0.00	200.91	24.23	7.03	4355.74	6094.11
12100.000	180.00	0.00	0.00	192.00	30000.00	200.62	0.00	201.37	26.61	7.46	4471.49	5816.00
12400.000	300.00	0.00	0.00	192.00	30000.00	201.41	0.00	202.16	26.00	8.20	4557.15	5883.27
12700.000	300.00	0.00	0.00	194.00	30000.00	202.19	0.00	203.26	43.05	9.03	4228.07	4572.25
13000.000	300.00	0.00	0.00	194.00	30000.00	203.71	0.00	204.33	25.88	7.02	5427.91	5896.93
13220.000	220.00	0.00	0.00	194.00	30000.00	204.17	0.00	204.96	25.27	7.34	4367.78	5967.38
13375.000	155.00	0.00	0.00	194.00	30000.00	204.84	0.00	205.31	13.50	5.88	5953.28	8165.49
13540.000	165.00	0.00	0.00	194.00	30000.00	205.01	0.00	205.63	19.00	6.55	5092.41	6882.08
13750.000	210.00	0.00	0.00	196.00	30000.00	205.40	0.00	206.08	21.56	7.11	4803.60	6461.63
14000.000	250.00	0.00	0.00	196.00	30000.00	205.90	0.00	206.60	19.21	6.99	4790.58	6845.16
14150.000	150.00	0.00	0.00	196.00	30000.00	206.16	0.00	206.90	18.85	7.02	4664.23	6908.89
14400.000	250.00	0.00	0.00	194.00	30000.00	206.70	0.00	207.33	14.54	6.47	4970.52	7867.86
14575.000	175.00	0.00	0.00	194.00	30000.00	206.95	0.00	207.57	12.49	6.37	4840.16	8489.26
14750.000	175.00	0.00	0.00	194.00	30000.00	207.27	0.00	207.78	9.95	5.95	5650.22	9510.06

SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRIWS	EG	10K*S	VCH	AREA	.01K
15000.000	250.00	0.00	0.00	194.00	30000.00	207.42	0.00	207.97	4.90	5.95	5039.15	13547.15
15150.000	150.00	0.00	0.00	195.00	30000.00	206.87	0.00	208.54	16.97	10.38	2889.01	7282.15
15195.000	45.00	0.00	0.00	194.00	30000.00	206.83	0.00	208.71	13.28	11.00	2726.41	8232.27
15295.000	100.00	209.26	207.37	194.50	30000.00	208.67	0.00	210.21	9.67	9.96	3012.05	9646.95

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SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRIWS	EG	10K*S	VCH	AREA	.01K
15000.000	250.00	0.00	0.00	194.00	30000.00	207.42	0.00	207.97	4.90	5.95	5039.15	13547.15
15150.000	150.00	0.00	0.00	195.00	30000.00	206.87	0.00	208.54	16.97	10.38	2889.01	7282.15
15195.000	45.00	0.00	0.00	194.00	30000.00	206.83	0.00	208.71	13.28	11.00	2726.41	8232.27
15295.000	100.00	209.26	207.37	194.50	30000.00	208.67	0.00	210.21	9.67	9.96	3012.05	9646.95
15302.000	7.00	0.00	0.00	193.50	30000.00	208.71	0.00	210.23	13.63	9.88	3035.73	8124.48
15311.000	9.00	0.00	0.00	193.60	30000.00	207.50	0.00	211.07	64.97	15.15	3959.12	3722.03
15331.000	20.00	0.00	0.00	193.70	30000.00	209.90	0.00	211.52	19.52	10.24	5860.36	6789.74
15340.000	9.00	0.00	0.00	193.70	30000.00	210.73	0.00	211.67	8.37	7.80	7696.00	10366.98
15351.000	11.00	0.00	0.00	193.80	30000.00	210.78	0.00	211.69	6.95	7.65	3921.32	11376.40
15400.000	49.00	0.00	0.00	196.00	30000.00	211.28	0.00	211.79	3.88	6.01	5392.68	15237.61
15500.000	100.00	0.00	0.00	194.40	30000.00	211.50	0.00	211.86	4.41	6.30	6823.24	14285.54
15600.000	100.00	0.00	0.00	195.90	30000.00	211.54	0.00	211.92	7.14	5.79	6179.07	11230.59
15700.000	100.00	0.00	0.00	196.60	30000.00	211.61	0.00	212.01	8.15	6.11	6029.40	10510.95
15800.000	100.00	0.00	0.00	197.00	30000.00	211.72	0.00	212.10	7.45	5.77	6283.34	10994.09
15838.000	40.00	0.00	0.00	199.00	30000.00	211.83	0.00	212.14	5.64	6.00	6881.36	12630.69
15890.000	50.00	0.00	0.00	199.00	30000.00	211.74	0.00	212.33	15.11	7.31	5247.58	7717.35
16000.000	220.00	0.00	0.00	203.30	30000.00	211.35	211.30	213.43	84.10	16.13	2816.62	3271.37
16050.000	50.00	0.00	0.00	206.60	30000.00	212.69	0.00	213.97	70.88	9.48	3374.58	3563.39
16100.000	50.00	0.00	0.00	206.00	30000.00	213.37	0.00	214.31	41.96	7.88	3993.40	4631.35
16250.000	150.00	0.00	0.00	206.00	30000.00	214.15	0.00	214.82	22.80	6.81	4676.01	6282.36
16500.000	250.00	0.00	0.00	206.00	30000.00	214.75	0.00	215.39	22.19	7.16	5038.48	6367.94
16750.000	250.00	0.00	0.00	206.00	30000.00	215.54	0.00	215.79	8.37	4.12	7637.39	10371.76
17000.000	250.00	0.00	0.00	206.00	30000.00	215.67	0.00	216.23	21.67	6.18	5088.35	6445.21
17250.000	250.00	0.00	0.00	206.00	30000.00	216.35	0.00	216.69	12.99	4.85	6410.54	8324.52
17500.000	250.00	0.00	0.00	206.00	30000.00	216.73	0.00	216.99	10.44	4.27	7250.49	9283.19
17750.000	250.00	0.00	0.00	206.00	30000.00	216.85	0.00	217.61	31.20	7.18	4359.37	5370.56
18000.000	250.00	0.00	0.00	209.00	30000.00	217.72	0.00	218.26	19.38	6.16	5171.25	6814.74
18350.000	350.00	0.00	0.00	210.00	30000.00	218.48	0.00	219.00	24.32	6.22	5214.39	6083.37
18700.000	350.00	0.00	0.00	214.00	30000.00	219.44	0.00	220.57	70.91	8.61	3585.54	3562.51

SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRIWS	EG	10K*S	VCH	AREA	.01K
19000.000	300.00	0.00	0.00	213.70	30000.00	221.27	0.00	221.63	16.77	5.07	6268.15	7325.38
19200.000	200.00	0.00	0.00	212.00	30000.00	221.57	0.00	222.10	24.46	6.05	5186.53	6065.25
19391.000	191.00	0.00	0.00	213.20	30000.00	221.99	0.00	222.61	25.34	6.45	4763.83	5959.37
19600.000	205.00	0.00	0.00	213.50	30000.00	222.59	0.00	223.20	32.23	6.49	4860.80	5284.41

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SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRIWS	EG	10K*S	VCH	AREA	.01K
19000.000	300.00	0.00	0.00	213.70	30000.00	221.27	0.00	221.63	16.77	5.07	6268.15	7325.38
19200.000	200.00	0.00	0.00	212.00	30000.00	221.57	0.00	222.10	24.46	6.05	5186.53	6065.25
19391.000	191.00	0.00	0.00	213.20	30000.00	221.99	0.00	222.61	25.34	6.45	4763.83	5959.37
19600.000	205.00	0.00	0.00	213.50	30000.00	222.59	0.00	223.20	32.23	6.49	4860.80	5284.41
19856.000	250.00	0.00	0.00	213.90	30000.00	223.33	0.00	223.93	26.40	6.42	5012.40	5838.34
20110.000	250.00	0.00	0.00	213.90	30000.00	223.89	0.00	224.59	23.05	7.07	4738.62	6248.20
20212.000	100.00	0.00	0.00	214.40	30000.00	224.13	0.00	224.83	25.00	6.87	4568.92	5999.83
20315.000	100.00	0.00	0.00	214.60	30000.00	224.35	0.00	225.08	22.25	7.04	4418.15	6360.49
20430.000	110.00	0.00	0.00	214.80	30000.00	224.56	0.00	225.41	29.83	7.53	7890.45	5493.26
20560.000	195.00	0.00	0.00	215.10	30000.00	225.02	0.00	226.21	41.66	8.84	3440.56	4647.71
20600.000	50.00	0.00	0.00	211.60	30000.00	225.10	0.00	226.36	16.15	9.18	3381.16	7464.61
20654.000	54.00	0.00	0.00	212.00	30000.00	224.68	0.00	226.84	30.74	11.85	2571.24	5411.11
20673.000	25.00	0.00	0.00	211.60	30000.00	225.00	0.00	226.95	26.04	11.32	2707.94	5879.26
20680.000	6.00	0.00	0.00	211.60	30000.00	226.06	0.00	227.13	9.53	8.36	3644.86	9718.06
20687.000	6.00	0.00	0.00	211.60	30000.00	225.54	0.00	227.49	25.14	11.22	2698.33	5983.17
20724.000	36.00	0.00	0.00	215.50	30000.00	225.58	0.00	227.62	27.19	11.47	2615.91	5752.82
20807.000	83.00	231.00	229.00	216.00	30000.00	226.46	0.00	228.35	24.16	11.06	2713.34	6103.43
20839.000	22.00	0.00	0.00	216.20	30000.00	226.42	0.00	228.45	25.24	11.42	2627.01	5971.94
20885.000	42.00	0.00	0.00	216.20	30000.00	227.13	0.00	228.59	16.64	9.70	3092.13	7354.15
20943.000	60.00	0.00	0.00	216.30	30000.00	227.80	0.00	228.72	9.71	7.69	3899.36	9626.29
21061.000	120.00	0.00	0.00	216.30	30000.00	228.07	0.00	228.87	11.11	7.15	4196.15	9002.30
21246.000	184.00	0.00	0.00	216.30	30000.00	228.37	0.00	229.08	10.07	6.88	4544.48	9452.64
21403.000	194.00	0.00	0.00	216.30	30000.00	228.87	0.00	229.29	6.51	5.26	5785.87	11761.25
21595.000	190.00	0.00	0.00	216.30	30000.00	229.11	0.00	229.42	5.33	4.85	6943.95	12999.54
21781.000	188.00	0.00	0.00	216.30	30000.00	229.10	0.00	229.66	10.06	6.59	5552.88	9456.16
22030.000	244.00	0.00	0.00	217.00	30000.00	229.44	0.00	229.91	9.43	5.72	5664.73	9771.89
22341.000	340.00	0.00	0.00	218.00	30000.00	229.70	0.00	230.29	10.15	6.44	5329.04	9417.13
22623.000	284.00	0.00	0.00	218.00	30000.00	230.17	0.00	230.57	7.63	5.21	6029.48	10858.78
22867.000	240.00	0.00	0.00	219.00	30000.00	230.44	0.00	230.73	4.14	4.37	7170.71	14745.49

SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRIWS	EG	10K*S	VCH	AREA	.01K
23131.000	133.00	0.00	0.00	219.00	30000.00	230.36	0.00	230.91	9.20	6.45	5535.10	9888.73
23352.000	156.00	0.00	0.00	220.30	30000.00	230.52	0.00	231.07	10.18	6.26	5377.22	9402.51
23526.000	246.00	0.00	0.00	220.00	30000.00	230.58	0.00	231.61	21.66	8.44	3996.51	6446.51
23718.000	192.00	0.00	0.00	220.00	30000.00	231.15	0.00	232.01	17.19	7.80	4401.64	7236.47

	SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRIWS	EG	10K*S	VCH	AREA	.01K
	23131.000	133.00	0.00	0.00	219.00	30000.00	230.36	0.00	230.91	9.20	6.45	5535.10	9888.73
	23352.000	156.00	0.00	0.00	220.30	30000.00	230.52	0.00	231.07	10.18	6.26	5377.22	9402.51
	23526.000	246.00	0.00	0.00	220.00	30000.00	230.58	0.00	231.61	21.66	8.44	3996.51	6446.51
	23718.000	192.00	0.00	0.00	220.00	30000.00	231.15	0.00	232.01	17.19	7.80	4401.64	7236.47
	24116.000	396.00	0.00	0.00	222.00	30000.00	232.11	0.00	232.50	6.63	5.04	6075.82	11649.97
	24472.000	354.00	0.00	0.00	222.00	30000.00	232.18	0.00	233.11	21.85	7.99	4137.83	6418.30
	24728.000	324.00	0.00	0.00	222.00	30000.00	232.86	0.00	233.95	26.89	8.60	3709.47	5785.69
	24861.000	230.00	0.00	0.00	223.00	30000.00	233.63	0.00	234.57	25.79	8.03	4007.92	5907.27
	25000.000	244.00	0.00	0.00	223.00	30000.00	234.25	0.00	235.13	21.77	8.00	4257.73	6429.67
	25198.000	164.00	0.00	0.00	223.00	30000.00	234.81	0.00	235.45	12.51	6.69	4976.15	8480.45
	25386.000	196.00	0.00	0.00	224.00	30000.00	235.34	0.00	235.67	5.64	4.67	6646.17	12633.48
	25655.000	244.00	0.00	0.00	224.00	30000.00	235.38	0.00	235.95	11.02	6.48	5338.68	9036.92
	25843.000	174.00	0.00	0.00	224.00	30000.00	235.81	0.00	236.14	5.65	4.75	6800.16	12618.61
	25954.000	140.00	0.00	0.00	225.00	30000.00	235.28	0.00	236.83	76.23	10.01	3034.82	3435.96
*	26027.000	120.00	0.00	0.00	225.00	30000.00	236.74	236.74	238.58	117.13	10.89	2774.22	2771.92
*	26040.000	30.00	236.00	234.50	225.25	30000.00	238.46	238.46	240.06	169.73	10.71	3045.87	2302.71

[INDIAN BEND ROAD TO UPSTREAM OF CAMELBACK DELETED]

30500.000	500.00	0.00	0.00	238.00	30000.00	250.08	0.00	250.41	19.37	5.19	7167.37	6816.97
31000.000	500.00	0.00	0.00	244.00	30000.00	251.27	0.00	251.63	30.95	4.70	6442.89	5392.90
31250.000	250.00	0.00	0.00	244.00	30000.00	251.90	0.00	252.23	19.01	4.84	6730.00	6880.90
* 31423.000	173.00	0.00	0.00	245.20	30000.00	252.05	252.05	253.44	84.42	9.91	3249.98	3265.18
31503.000	80.00	0.00	0.00	245.20	30000.00	253.53	0.00	253.99	18.79	5.80	5577.33	6920.71
31750.000	247.00	0.00	0.00	246.00	30000.00	253.96	0.00	254.27	6.20	4.91	7161.43	12052.88
32000.000	250.00	0.00	0.00	246.00	30000.00	254.09	0.00	254.46	7.35	5.33	6635.38	11065.75
32500.000	500.00	0.00	0.00	246.00	30000.00	254.45	0.00	255.04	13.66	7.55	5577.14	8116.01
32750.000	250.00	0.00	0.00	246.00	30000.00	254.82	0.00	255.38	13.71	7.83	5635.15	8103.55
33000.000	250.00	0.00	0.00	246.00	30000.00	255.26	0.00	255.72	11.57	5.65	5617.70	8818.28
33500.000	500.00	0.00	0.00	250.00	30000.00	256.00	0.00	257.39	102.36	9.45	3179.23	2965.20
34000.000	500.00	0.00	0.00	252.00	30000.00	259.60	0.00	260.26	33.93	6.33	4602.29	5150.10
34500.000	500.00	0.00	0.00	255.00	30000.00	261.36	0.00	261.98	34.44	5.84	4756.38	5112.16
35000.000	500.00	0.00	0.00	256.00	30000.00	263.27	0.00	264.25	53.58	8.50	3785.54	4098.59
35500.000	500.00	0.00	0.00	256.00	30000.00	265.38	0.00	265.80	17.88	5.47	5854.80	7095.43
35750.000	250.00	0.00	0.00	256.00	30000.00	265.84	0.00	266.32	22.42	5.45	5379.78	6335.46
36030.000	280.00	0.00	0.00	256.00	30000.00	266.37	0.00	267.10	26.34	6.02	4403.77	5845.92
36250.000	220.00	0.00	0.00	259.00	30000.00	266.97	0.00	267.82	35.67	7.84	4117.40	5023.03
36500.000	250.00	0.00	0.00	259.50	30000.00	268.03	0.00	268.47	15.47	5.73	5760.08	7628.27
36650.000	150.00	0.00	0.00	259.60	30000.00	268.34	0.00	268.70	13.36	5.18	6384.42	8207.39
36717.000	67.00	0.00	0.00	260.00	30000.00	268.37	0.00	268.85	19.73	6.47	5507.51	6754.38
36718.000	1.00	261.60	271.00	260.00	30000.00	268.36	0.00	268.86	26.11	5.58	5294.66	5870.99
36793.000	76.00	261.60	271.00	260.00	30000.00	268.59	0.00	269.06	23.29	5.32	5494.67	6216.60
36794.000	1.00	0.00	0.00	260.00	30000.00	268.81	0.00	269.09	12.11	5.23	7566.66	8620.73
36900.000	106.00	0.00	0.00	260.70	30000.00	268.85	0.00	269.25	9.23	5.54	5870.44	9873.93

PRE. PLANS PROP.BRIDGE

SUMMARY PRINTOUT TABLE 150

SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
* 11061.000	30000.00	195.99	0.00	0.00	-.01	431.92	0.00
11111.000	30000.00	198.32	0.00	2.33	0.00	665.06	50.00
11161.000	30000.00	198.58	0.00	.27	0.00	654.56	50.00
11300.000	30000.00	198.80	0.00	.21	0.00	527.19	139.00
11500.000	30000.00	199.39	0.00	.59	0.00	559.56	200.00
11800.000	30000.00	199.98	0.00	.59	0.00	749.90	300.00
11930.000	30000.00	200.14	0.00	.16	0.00	636.40	130.00

PRE, PLANS PROP.BRIDGE

SUMMARY PRINTOUT TABLE 150

SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
* 11061.000	30000.00	195.99	0.00	0.00	-.01	451.92	0.00
11111.000	30000.00	198.32	0.00	2.33	0.00	665.06	50.00
11161.000	30000.00	198.58	0.00	.27	0.00	654.56	50.00
11300.000	30000.00	198.80	0.00	.21	0.00	527.19	139.00
11500.000	30000.00	199.39	0.00	.59	0.00	559.56	200.00
11800.000	30000.00	199.98	0.00	.59	0.00	749.90	300.00
11930.000	30000.00	200.14	0.00	.16	0.00	636.40	130.00
12100.000	30000.00	200.62	0.00	.48	0.00	749.32	180.00
12400.000	30000.00	201.41	0.00	.79	0.00	791.01	300.00
12700.000	30000.00	202.19	0.00	.78	0.00	1089.11	300.00
13000.000	30000.00	203.71	0.00	1.52	0.00	994.96	300.00
13220.000	30000.00	204.17	0.00	.46	0.00	826.63	220.00
13375.000	30000.00	204.84	0.00	.68	0.00	1032.61	155.00
13540.000	30000.00	205.01	0.00	.17	0.00	891.99	165.00
13750.000	30000.00	205.40	0.00	.39	0.00	751.50	210.00
14000.000	30000.00	205.90	0.00	.50	0.00	905.12	250.00
14150.000	30000.00	206.16	0.00	.26	0.00	817.75	150.00
14400.000	30000.00	206.70	0.00	.54	0.00	890.12	250.00
14575.000	30000.00	206.95	0.00	.25	0.00	498.33	175.00
14750.000	30000.00	207.27	0.00	.32	0.00	799.27	175.00
15000.000	30000.00	207.42	0.00	.15	0.00	395.00	250.00
15150.000	30000.00	206.87	0.00	-.55	0.00	250.00	150.00
15195.000	30000.00	206.83	0.00	-.04	0.00	212.50	45.00
15295.000	30000.00	208.67	0.00	1.84	0.00	212.50	100.00
15302.000	30000.00	208.71	0.00	.04	0.00	212.50	7.00
15311.000	30000.00	207.50	0.00	-1.21	0.00	198.25	9.00
15331.000	30000.00	209.90	0.00	2.39	0.00	233.00	20.00

SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
15340.000	30000.00	210.73	0.00	.83	0.00	239.00	9.00
15351.000	30000.00	210.78	0.00	.05	0.00	244.00	11.00
15400.000	30000.00	211.28	0.00	.50	0.00	417.97	49.00
15500.000	30000.00	211.50	0.00	.22	0.00	553.97	100.00

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SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
15340.000	30000.00	210.73	0.00	.83	0.00	239.00	9.00
15351.000	30000.00	210.78	0.00	.05	0.00	244.00	11.00
15400.000	30000.00	211.28	0.00	.50	0.00	417.97	49.00
15500.000	30000.00	211.50	0.00	.22	0.00	553.97	100.00
15600.000	30000.00	211.54	0.00	.05	0.00	555.17	100.00
15700.000	30000.00	211.61	0.00	.06	0.00	591.56	100.00
15800.000	30000.00	211.72	0.00	.11	0.00	623.16	100.00
15838.000	30000.00	211.83	0.00	.11	0.00	668.50	40.00
15890.000	30000.00	211.74	0.00	-.10	0.00	670.40	50.00
16000.000	30000.00	211.35	0.00	-.38	0.00	664.76	220.00
16050.000	30000.00	212.69	0.00	1.34	0.00	680.00	50.00
16100.000	30000.00	213.37	0.00	.68	0.00	760.35	50.00
16250.000	30000.00	214.15	0.00	.78	0.00	661.76	150.00
16500.000	30000.00	214.75	0.00	.60	0.00	834.41	250.00
16750.000	30000.00	215.54	0.00	.79	0.00	970.95	250.00
17000.000	30000.00	215.67	0.00	.13	0.00	739.17	250.00
17250.000	30000.00	216.35	0.00	.68	0.00	667.95	250.00
17500.000	30000.00	216.73	0.00	.38	0.00	989.53	250.00
17750.000	30000.00	216.85	0.00	.12	0.00	666.39	250.00
18000.000	30000.00	217.72	0.00	.87	0.00	682.32	250.00
18350.000	30000.00	218.48	0.00	.76	0.00	780.00	350.00
18700.000	30000.00	219.44	0.00	.96	0.00	747.01	350.00
19000.000	30000.00	221.27	0.00	1.82	0.00	1000.00	300.00
19200.000	30000.00	221.57	0.00	.30	0.00	800.00	200.00
19391.000	30000.00	221.99	0.00	.42	0.00	665.00	191.00
19600.000	30000.00	222.59	0.00	.60	0.00	842.32	205.00
19856.000	30000.00	223.33	0.00	.75	0.00	832.53	250.00
20110.000	30000.00	223.89	0.00	.55	0.00	721.94	250.00
20212.000	30000.00	224.13	0.00	.25	0.00	622.13	100.00

SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
20315.000	30000.00	224.35	0.00	.21	0.00	510.19	100.00
20430.000	30000.00	224.56	0.00	.21	0.00	495.73	110.00
20560.000	30000.00	225.02	0.00	.46	0.00	420.77	195.00
20600.000	30000.00	225.10	0.00	.08	0.00	368.73	50.00

SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
20315.000	30000.00	224.35	0.00	.21	0.00	510.19	100.00
20430.000	30000.00	224.56	0.00	.21	0.00	495.73	110.00
20560.000	30000.00	225.02	0.00	.46	0.00	420.77	195.00
20600.000	30000.00	225.10	0.00	.08	0.00	368.73	50.00
20654.000	30000.00	224.68	0.00	-.42	0.00	289.60	54.00
20673.000	30000.00	225.00	0.00	.32	0.00	292.01	25.00
20680.000	30000.00	226.06	0.00	1.06	0.00	289.79	6.00
20687.000	30000.00	225.54	0.00	-.51	0.00	280.03	6.00
20724.000	30000.00	225.58	0.00	.04	0.00	259.50	36.00
20807.000	30000.00	226.46	0.00	.88	0.00	259.50	83.00
20839.000	30000.00	226.42	0.00	-.03	0.00	257.00	22.00
20885.000	30000.00	227.13	0.00	.70	0.00	283.00	42.00
20943.000	30000.00	227.80	0.00	.67	0.00	339.00	60.00
21061.000	30000.00	228.07	0.00	.27	0.00	362.00	120.00
21246.000	30000.00	228.37	0.00	.30	0.00	410.00	184.00
21403.000	30000.00	228.87	0.00	.50	0.00	540.00	194.00
21595.000	30000.00	229.11	0.00	.25	0.00	681.71	190.00
21781.000	30000.00	229.10	0.00	-.01	0.00	677.48	188.00
22030.000	30000.00	229.44	0.00	.34	0.00	682.66	244.00
22341.000	30000.00	229.70	0.00	.27	0.00	683.04	340.00
22623.000	30000.00	230.17	0.00	.46	0.00	691.76	284.00
22867.000	30000.00	230.44	0.00	.27	0.00	685.00	240.00
23131.000	30000.00	230.36	0.00	-.08	0.00	645.80	133.00
23352.000	30000.00	230.52	0.00	.16	0.00	647.38	156.00
23526.000	30000.00	230.58	0.00	.06	0.00	682.60	246.00
23718.000	30000.00	231.15	0.00	.57	0.00	683.05	192.00
24116.000	30000.00	232.11	0.00	.96	0.00	640.37	396.00
24472.000	30000.00	232.18	0.00	.07	0.00	662.92	354.00
24728.000	30000.00	232.86	0.00	.67	0.00	549.43	324.00

SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
24861.000	30000.00	233.63	0.00	.78	0.00	617.00	230.00
25000.000	30000.00	234.25	0.00	.62	0.00	642.00	244.00
25198.000	30000.00	234.81	0.00	.56	0.00	696.00	164.00
25386.000	30000.00	235.34	0.00	.53	0.00	726.96	196.00

SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
24861.000	30000.00	233.63	0.00	.78	0.00	617.00	230.00
25000.000	30000.00	234.25	0.00	.62	0.00	642.00	244.00
25198.000	30000.00	234.81	0.00	.56	0.00	696.00	164.00
25386.000	30000.00	235.34	0.00	.53	0.00	726.96	196.00
25655.000	30000.00	235.38	0.00	.04	0.00	686.78	244.00
25843.000	30000.00	235.81	0.00	.43	0.00	755.00	174.00
25954.000	30000.00	235.28	0.00	-.53	0.00	758.33	140.00
* 26027.000	30000.00	236.74	0.00	1.47	0.00	792.46	120.00
* 26040.000	30000.00	238.46	0.00	1.71	0.00	944.25	30.00
26120.000	30000.00	240.25	0.00	1.79	0.00	1040.00	80.00
26157.000	30000.00	240.30	0.00	.06	0.00	1050.00	30.00
26300.000	30000.00	241.16	0.00	.85	0.00	1210.00	195.00
26500.000	30000.00	241.21	0.00	.05	0.00	1250.00	150.00
26750.000	30000.00	241.31	0.00	.09	0.00	1024.21	250.00
27000.000	30000.00	241.51	0.00	.20	0.00	900.00	250.00
27500.000	30000.00	241.94	0.00	.43	0.00	687.23	500.00
28000.000	30000.00	242.77	0.00	.83	0.00	819.59	500.00
28250.000	30000.00	243.10	0.00	.32	0.00	687.83	250.00
28500.000	30000.00	243.61	0.00	.51	0.00	953.64	250.00
28750.000	30000.00	244.30	0.00	.69	0.00	1070.00	250.00
* 28760.000	30000.00	244.63	0.00	.33	0.00	1150.00	10.00
28840.000	30000.00	245.40	0.00	.77	0.00	900.00	80.00
29000.000	30000.00	246.84	0.00	1.44	0.00	1255.00	160.00
29250.000	30000.00	247.22	0.00	.38	0.00	1237.28	250.00
29500.000	30000.00	247.72	0.00	.50	0.00	1353.20	250.00
30000.000	30000.00	248.77	0.00	1.05	0.00	1539.00	500.00
30500.000	30000.00	250.08	0.00	1.31	0.00	1783.00	500.00
31000.000	30000.00	251.27	0.00	1.19	0.00	1776.00	500.00
31250.000	30000.00	251.90	0.00	.63	0.00	1531.02	250.00

SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
* 31423.000	30000.00	252.05	0.00	.15	0.00	1171.26	173.00
31503.000	30000.00	253.53	0.00	1.47	0.00	1500.00	80.00
31750.000	30000.00	253.96	0.00	.43	0.00	1079.38	247.00
32000.000	30000.00	254.09	0.00	.14	0.00	980.00	250.00
32500.000	30000.00	254.45	0.00	.35	[illegible]	[illegible]	[illegible]

SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
* 31423.000	30000.00	252.05	0.00	.15	0.00	1171.26	173.00
31503.000	30000.00	253.53	0.00	1.47	0.00	1500.00	80.00
31750.000	30000.00	253.96	0.00	.43	0.00	1079.38	247.00
32000.000	30000.00	254.09	0.00	.14	0.00	980.00	250.00
32500.000	30000.00	254.45	0.00	.35	0.00	991.02	500.00
32750.000	30000.00	254.82	0.00	.37	0.00	982.86	250.00
33000.000	30000.00	255.26	0.00	.44	0.00	913.14	250.00
33500.000	30000.00	256.00	0.00	.74	0.00	810.15	500.00
34000.000	30000.00	259.60	0.00	3.60	0.00	890.40	500.00
34500.000	30000.00	261.36	0.00	1.76	0.00	978.76	500.00
35000.000	30000.00	263.27	0.00	1.91	0.00	768.13	500.00
35500.000	30000.00	265.38	0.00	2.12	0.00	1079.16	500.00
35750.000	30000.00	265.84	0.00	.46	0.00	958.15	250.00
36030.000	30000.00	266.37	0.00	.53	0.00	705.15	280.00
36250.000	30000.00	266.97	0.00	.60	0.00	809.05	220.00
36500.000	30000.00	268.03	0.00	1.06	0.00	930.00	250.00
36650.000	30000.00	268.34	0.00	.31	0.00	1070.00	150.00
36717.000	30000.00	268.37	0.00	.03	0.00	986.29	67.00
36718.000	30000.00	268.36	0.00	-.01	0.00	974.34	1.00
36793.000	30000.00	268.59	0.00	.23	0.00	981.12	76.00
36794.000	30000.00	268.81	0.00	.21	0.00	1749.83	1.00
36900.000	30000.00	268.85	0.00	.04	0.00	872.89	106.00

SUMMARY OF ERRORS

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CAUTION   SECNO=11061.000  PROFILE= 1  CRITICAL DEPTH ASSUMED

CAUTION   SECNO=26027.000  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION   SECNO=26027.000  PROFILE= 1  MINIMUM SPECIFIC ENERGY

CAUTION   SECNO=26040.000  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION   SECNO=26040.000  PROFILE= 1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION   SECNO=26040.000  PROFILE= 1  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION   SECNO=28760.000  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION   SECNO=28760.000  PROFILE= 1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION   SECNO=28760.000  PROFILE= 1  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION   SECNO=31423.000  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION   SECNO=31423.000  PROFILE= 1  MINIMUM SPECIFIC ENERGY
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PRINTED IN U.S.A.

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                                                    THIS RUN EXECUTED  05 DEC 77   12.37.59
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. HEC2 RELEASE DATED NOV 76 UPDATED  AUG1977
. ERROR CORR =  01,02
. MODIFICATION =  50,51,52,53
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12.35.53. BACAE03. 05 DEC 77   7600Z  BKY24A V4   BAC      NORM          803643 BE061304J1
12.35.53. BACAE03. BAC,P3,T60,CM170000,803643,BE061304J10KA00
12.35.53. BACAE03. *INPUT 6600B 12.34.35. 05 DEC 77  VIA COKE
12.35.53. BACAE03.  COPY(INPUT,1R,CONTROL/BR)
12.35.53. BACAE03.   CONTROL DISK 1
12.35.53. BACAE03. (RETURN BY COURTER
12.35.53. BACAE03. (CORPS OF ENGINEERS LA
12.35.53. BACAE03. FETCHPS,HECLIB,HEC2,HEC2,
12.35.55. BACAE03.   HEC2     DISK 1
12.35.57. BACAE03.  HEC2          24913 WORDS COPIED FROM CACHE.
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12.35.53. BACAE03. OS DEC 77   7600Z  BKY24A V4   BAC     NORM          803643 BE061304J1
12.35.53. BACAE03. BAC,P3,T60,CM170000,803643,BE061304J10KA00
12.35.53. BACAE03. *INPUT 6600B 12.34.35. 05 DEC 77  VIA COKE
12.35.53. BACAE03.  COPY(INPUT,1R,CONTROL/BR)
12.35.53. BACAE03.   CONTROL DISK 1
12.35.53. BACAE03. (RETURN BY COURTER
12.35.53. BACAE03. (CORPS OF ENGINEERS LA
12.35.53. BACAE03. FETCHPS,HECLIB,HEC2,HEC2.
12.35.55. BACAE03.   HEC2     DISK 1
12.35.57. BACAE03.  HEC2          24913 WORDS COPIED FROM CACHE.
12.35.58. BACAE03.   CACHE22 RETURNED      10 BLD, BS= 0040B,FS=143022B
12.35.58. BACAE03.   TAPEPAC RETURNED       0 BLD, BS= 0002B,FS=000000B
12.35.58. BACAE03. HEC2.
12.36.01. BACAE03.   ZZZZZLS DISK 1
12.36.01. BACAE03.   ZZZZZLS RETURNED       0 BLD, BS= 0040B,FS=000000B
12.36.54. BACAE03.   DBGMAP  DISK 1
12.37.51. BACAE03.   OUTPUT  DISK 1
12.37.52. BACAE03.   DBGMAP  UNLOADED       1 BLD, BS= 0040B,FS=000002B
12.37.52. BACAE03.   HEC2    UNLOADED       4 BLD, BS= 0040B,FS=000061B
12.37.52. BACAE03.   MNF4LIB UNLOADED       1 BLD, BS= 0010B,FS=000007B
12.37.52. BACAE03.   FTN4LIB UNLOADED       1 BLD, BS= 0120B,FS=000117B
12.37.52. BACAE03.  LOAD COMPLETE, LINK 8.4.
12.37.52. BACAE03.    TIME---        119 MSEC.
12.37.52. BACAE03.    MEMORY=       LOAD    105600,  EXECUTE      77000.
12.37.52. BACAE03.  FLS=077K  FLL=0000K  LCM BUFFERS=0046K  TOTAL LCM=0145K
12.37.52. BACAE03.   BEGIN=  HEC2       USING =
12.37.52. BACAE03.           MNF4 LIBRARY VERSION 2.5
12.37.52. BACAE03.           FTN4 LIBRARY 7600-L439/77117.12.31
12.37.52. BACAE03.  FIELD LENGTH RESET =            0000000000032832
12.37.52. BACAE03. BN;
12.37.52. BACAE03.   TAPE92  DISK 1
12.37.52. BACAE03.   TAPE93  DISK 1
12.37.52. BACAE03.   TAPE94  DISK 1
12.37.52. BACAE03.   TAPE91  DISK 1
12.37.56. BACAE03.   TAPE95  DISK 1
12.37.56. BACAE03.   TAPE96  DISK 1
12.37.59. BACAE03.  FLS=101K  FLL=0000K  LCM BUFFERS=0346K  TOTAL LCM=0447K
12.37.59. BACAE03.     STOP
12.37.59. BACAE03.       2.688 CP SECONDS EXECUTION TIME
12.37.59. BACAE03.   LINK    RETURNED       1 BLD, BS= 0012B,FS=000012B
12.37.59. BACAE03.   MNF4LIB RETURNED       1 BLD, BS= 0010B,FS=000007B
12.37.59. BACAE03.   FTN4LIB RETURNED       1 BLD, BS= 0120B,FS=000117B
12.37.59. BACAE03. DISPOSE(TAPE92=PR)
12.38.00. BACAE03.  FLS=170K  FLL=0000K  LCM BUFFERS=0374K  TOTAL LCM=0564K
12.38.00. BACAE03.   TAPE92  UNLOADED       1 BLD, BS= 0040B,FS=000001B
12.38.00. BACAE03.   TAPE92  QUEUED PR      1 BLD, BS= 0040B,FS=000001B
12.38.00. BACAE03. EXIT.
12.38.00. BACAE03.  SKIP PAST FIN.     CARD
12.38.00. BACAE03.   OUTPUT  QUEUED PR      4 BLD, BS= 0020B,FS=000070B
12.38.00. BACAE03. *J LE1234G   803643N 05DEC77RZ N 000021BN;        BE061304J1
12.38.00. BACAE03. ............................
12.38.00. BACAE03. SECTORS TRANSFERRED        311
12.38.00. BACAE03. MAX DISK SECTORS           570
12.38.00. BACAE03. CP SECONDS                2.815
12.38.00. BACAE03. SYSTEM SECONDS            0.383
12.38.00. BACAE03. OLD BLD"S                   13
12.38.00. BACAE03. LCM BUFFER LOADS            16
12.38.00. BACAE03. ITO CUS                      3
12.38.00. BACAE03. KWORDS XFERRED             122
12.38.00. BACAE03. CIO CALLS                  849
12.38.00. BACAE03. STAGING CUS                  0
12.38.00. BACAE03. ............................
12.38.00. BACAE03. TOTAL JOB CUS               21
12.38.00. BACAE03. COST + OVERHEAD   $       1.95
12.38.00. BACAE03. ............................

12.40.45. BACAE03.  TAPE92  QUEUED PR 2
12.40.57. BACAE03.  OUTPUT  QUEUED PR 444
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12.40.45. BACAE03. TAPE92 QUEUED PR 2
12.40.57. BACAE03. OUTPUT QUEUED PR 444

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B I L L B O A R D WRITEUPS SUBSET BKYNEWS WAS LAST CHANGED NOV 08
HANDBOOK SUBSET CHANGES WAS LAST CHANGED NOV 28

B I L L B O A R D WRITEUPS SUBSET BKYNEWS WAS LAST CHANGED NOV 08
HANDBOOK SUBSET CHANGES WAS LAST CHANGED NOV 28

19 NOV PSS SUBSET DESTROYED BY HARDWARE ERROR
SUBSET ARDIE OF LIBRARY JMILLER HAS BEEN DESTROYED.

NOV 03 WRONG DENSITY ON TAPES
FROM OCT. 24 UNTIL NOV. 3 "
NT OR QT TAPES REQUESTS WITH DEFAULT DENSITY (NONE SPECIFIED),
ASSIGNED TO IT DRIVES BY THE OPERATORS WERE WRITTEN AT 6250 BPI.

OCT 2 MFE BLOCK TIME TO CHANGE AGAIN
AS OF OCT 2 THE NEW MFE BLOCK TIMES WILL BE

2100 SUNDAY	TO	0500 MONDAY
2200 TUESDAY	TO	0600 WEDNESDAY
2200 THURSDAY	TO	0600 FRIDAY

SEPT 09 LBL NEWSLETTER
THE LBL COMPUTER CENTER NEWSLETTER (NOT BKY NEWS) IS PUBLISHED
MONTHLY AND PROVIDES MUCH USEFUL CURRENT INFORMATION TO OUR USERS.
IT IS MAILED, FREE, UPON REQUEST. IF YOU ARE NOT RECEIVING IT,
AND WOULD LIKE TO HAVE IT SENT TO YOU, CONTACT MAGGIE MORLEY
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