FINAL
DRAINAGE REPORT

SUPERSTITION FREEWAY

POWER ROAD TO ELLSWORTH ROAD
Appendix C-Attachment No. 2
HEC-2 (Channel 1)

ADOT PROJECT NO. SBM-028-1-311PE, 511C

STATE OF ARIZONA
DEPARTMENT OF TRANSPORTATION

1988

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Phoenix, AZ 85009

Final Drainage Report-Superstition Fwy

Power Rd-Ellsworth Rd (SBM 028-1-311PE,511C)

APPENDIX C-ATTACHMENT No. 2
HEC-2 (CHANNEL 1)

User: DEN104 -at

<OPS183>PROJ>PJ6114>DATA>HEC2>CHNL150.OUT

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WWWW  WWWWW W   W   W    WWW  W
W   W W     WW  W  WW   W   W W  W
W   W W     W W W   W   W   W W  W
W   W WWWW  W W W   W   W W W WWWWW
W   W W     W W W   W   W   W    W
W   W W     W  WW   W   W   W    W
WWWW  WWWWW W   W  WWW   WWW     W



 WWW  W   W W   W W       W   WWWWW  WWW         WWW  W   W WWWWW
W   W W   W WW  W W      WW   W     W   W       W   W W   W   W
W     W   W W W W W       W   WWWW  W   W       W   W W   W   W
W     WWWWW W W W W       W       W W W W       W   W W   W   W
W     W   W W W W W       W       W W   W       W   W W   W   W
W   W W   W W  WW W       W   W   W W   W   WW  W   W W   W   W
 WWW  W   W W   W WWWWW  WWW   WWW   WWW    WW   WWW   WWW    W

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[Spooler rev 20.0.6HB (c) Prime Computer, Inc., 1986]

Label: PRT123 -form DENPRT

Pathname: <OPS183>PROJ>PJ6114>DATA>HEC2>CHNL150.OUT
File last modified: 88-08-24.15:49:00.Wed

Spooled: 88-09-13.12:41:24.Tue
Started: 88-09-13.12:57:44.Tue on: AMLC by: DENPRT

THIS RUN EXECUTED 08/24/88 16:30:26

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  HEC2 RELEASE DATED NOV 76 UPDATED MAY  1984
  ERROR CORR -  01,02,03,04,05,06
  MODIFICATION -  50,51,52,53,54,55,56
  IBM-PC-XT VERSION
**************************************************

C
T1       BACKWATER CURVE FROM THE RWCD TO THE UPSTREAM END OF
T2       CHANNEL NUMBER 1 (APPROX. STA 816+16 TO STA 918.94).
T3       Q=50 YEAR

J1  ICHECK    INQ       NINV      IDIR      STRT      METRIC    HVINS     Q         WSEL      FQ

      0.        2.        0.        0.   .000000       .00        .0        0.  1337.700      .000

J2  NPROF     IPLOT     PRFVS     XSECV     XSECH     FN        ALLDC     IBW       CHNIM     ITRACE

    -1.000      .000    -1.000      .000    -1.000      .000    -1.000      .000      .000      .000

J3  VARIABLE CODES FOR SUMMARY PRINTOUT

   150.000      .000      .000      .000      .000      .000      .000      .000      .000      .000

J5  LPRNT    NUMSEC                    ********REQUESTED SECTION NUMBERS********

   -10.000   -10.000      .000      .000      .000      .000      .000      .000      .000      .000

NC      .035      .035      .016      .100      .300      .000      .000      .000      .000      .000
QT     1.000   1608.000      .000      .000      .000      .000      .000      .000      .000      .000
          DISCHARGE TO THE RWCD-ASSUMED ELEVATION (509 PLAN EL.-1.3 FT)(Q=COFY1)
X1    816.160     4.000   475.000   525.000      .000      .000      .000      .000      .000      .000
GR   1337.200   475.000  1327.700   494.000  1327.700   506.000  1337.200   525.000      .000      .000

          URS SURVEYED ELEVATION-EXISTING CHANNEL
X1    843.150     4.000   475.000   525.000  2699.000  2699.000  2699.000      .000      .000      .000
GR   1344.800   475.000  1335.300   494.000  1335.300   506.000  1344.800   525.000      .000      .000

          URS SURVEYED ELEVATION-EXISTING CHANNEL
X1    846.000     4.000   475.000   525.000   285.000   285.000   285.000      .000      .000      .000
GR   1345.700   475.000  1336.200   494.000  1336.200   506.000  1345.700   525.000      .000      .000

          URS SURVEYED ELEVATION-EXISTING CHANNEL
X1    847.400     4.000   475.000   525.000    50.000    50.000    50.000      .000      .000      .000
GR   1346.200   475.000  1336.700   494.000  1336.700   506.000  1346.200   525.000      .000      .000

          STORM SEWER OUTFALL TO EXISTING CHANNEL (Q=ROPOW)
X1    848.470     4.000   475.000   525.000   107.000   107.000   107.000      .000      .000      .000
X2   1602.000      .000      .000      .000      .000      .000      .000      .000      .000      .000
GR   1347.700   475.000  1338.230   494.000  1338.230   506.000  1347.700   525.000      .000      .000
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          URS SURVEYED ELEVATION-EXISTING CHANNEL
X1    850.400      4.000    475.000    525.000    193.000    193.000    193.000       .000       .000       .000
GR   1350.500    475.000   1341.000    494.000   1341.000    506.000   1350.500    525.000       .000       .000

          URS SURVEYED ELEVATION-EXISTING CHANNEL
X1    853.400      4.000    475.000    525.000    300.000    300.000    300.000       .000       .000       .000
GR   1355.000    475.000   1345.500    494.000   1345.500    506.000   1355.000    525.000       .000       .000

          URS SURVEYED ELEVATION-EXISTING CHANNEL
X1    856.600      4.000    475.000    525.000    320.000    320.000    320.000       .000       .000       .000
GR   1359.700    475.000   1350.200    494.000   1350.200    506.000   1359.700    525.000       .000       .000

          GRADE BREAK 460 FEET DOWNSTREAM FROM POWER BOX
X1    859.600      4.000    475.000    525.000    300.000    300.000    300.000       .000       .000       .000
GR   1364.300    475.000   1354.800    494.000   1354.800    506.000   1364.300    525.000       .000       .000

          DOWNSTREAM END OF TRANSITION BELOW POWER BOX
X1    863.910      4.000    475.000    525.000    431.000    431.000    431.000       .000       .000       .000
GR   1366.500    475.000   1357.010    492.000   1357.010    506.000   1366.500    525.000       .000       .000

          POWER ROAD BOX- DOWNSTREAM END
X1    864.210      4.000    489.500    510.500     30.000     30.000     30.000       .000       .000       .000
X3     10.000       .000       .000       .000       .000       .000       .000   1365.160   1365.160       .000
GR   1366.700    489.500   1357.170    489.500   1357.170    510.500   1366.700    510.500       .000       .000

SB      1.250      1.560      2.560       .000     21.000      1.000    120.000       .000   1358.000   1357.010
          POWER ROAD BOX- UPSTREAM END
X1    865.570      9.000    482.500    517.500    142.000    142.000    142.000       .000       .000       .000
X2       .000       .000      1.000   1364.000   1368.230       .000       .000       .000       .000       .000
X3     10.000       .000       .000    482.500   1367.500    517.500   1367.500       .000       .000       .000
BT      7.000    463.000   1372.400   1364.000    482.500   1372.020   1364.000    489.500   1372.020   1364.000
BT    510.500   1371.720   1364.000    517.500   1371.620   1364.000   1000.000   1368.230   1364.000   1057.100
BT   1370.000   1364.000       .000       .000       .000       .000       .000       .000       .000       .000
GR   1372.400    463.000   1367.500    482.500   1364.000    489.500   1358.000    489.500   1358.000    510.500
GR   1364.000    510.500   1367.500    517.500   1369.720   1000.000   1370.000   1057.000      1.000       .000

          UPSTREAM END OF POWER ROAD BOX CULVERT TRANSITION
X1    866.070      6.000    473.400    526.600     50.000     50.000     50.000       .000       .000       .000
X2   1323.000       .000       .000       .000       .000       .000       .000       .000       .000       .000
X3     10.000       .000       .000    473.400   1367.500    526.600   1367.500       .000       .000       .000
GR   1368.200    375.000   1367.500    473.400   1358.200    492.000   1358.200    508.000   1367.500    526.600
GR   1370.000   1027.000       .000       .000       .000       .000       .000       .000       .000       .000

          DOWNSTREAM END OF POND 1 SPILLWAY TOP
X1    867.010      4.000    473.200    526.800     94.000     94.000     94.000       .000       .000       .000
GR   1368.100    473.200   1358.710    492.000   1358.710    508.000   1368.100    526.800       .000       .000

          DOWNSTREAM END OF POND 1 SPILLWAY CREST
X1    867.020      4.000    474.100    526.800      1.000      1.000      1.000       .000       .000       .000
GR   1367.700    474.100   1358.710    492.000   1358.710    508.000   1368.100    526.800       .000       .000
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          UPSTREAM END OF POND 1 SPILLWAY CREST
X1    867.780      4.000    475.100    527.000     77.000     77.000     77.000       .000       .000       .000
GR   1367.700    475.100   1359.200    492.000   1359.200    508.000   1368.700    527.000       .000       .000

          UPSTREAM END OF POND 1 SPILLWAY TOP
X1    867.790      4.000    475.100    527.000      1.000      1.000      1.000       .000       .000       .000
GR   1368.700    473.000   1359.200    492.000   1359.200    508.000   1368.700    527.000       .000       .000

          GRADE BREAK BELOW DIVERSION STRUCTURE FOR POND 1
X1    871.400      8.000    474.000    527.000    361.000    361.000    361.000       .000       .000       .000
GR   1370.400    338.000   1364.740    349.000   1364.740    455.000   1370.300    466.000   1370.300    474.000
GR   1361.300    492.000   1361.300    508.000   1370.800    527.000       .000       .000       .000       .000

          DOWNSTREAM END OF TRANSITION SECTION BELOW POND 1
X1    871.730      4.000    474.000    526.000     33.000     33.000     33.000       .000       .000       .000
GR   1370.400    474.000   1361.390    492.000   1361.390    508.000   1370.400    526.000       .000       .000

          UPSTREAM END OF TRANSITION SECTION BELOW POND 1
X1    871.830      4.000    474.700    525.500     10.000     10.000     10.000       .000       .000       .000
GR   1370.400    474.700   1361.410    490.000   1361.410    510.000   1370.500    525.500       .000       .000

          FLOW CONSTRICTOR FOR POND 1
X1    871.930      4.000    474.600    525.400     10.000     10.000     10.000       .000       .000       .000
GR   1370.500    474.600   1361.430    490.000   1361.430    510.000   1370.500    525.400       .000       .000

SB       .000      1.560      2.560       .000     20.000       .000    142.500      1.700       .000       .000
          UPSTREAM SIDE OF CHANNEL CONSTRICTOR
X1    871.970      4.000    474.600    525.400      4.000      4.000      4.000       .000       .000       .000
X2       .000       .000      1.000   1366.440   1369.520       .000       .000       .000       .000       .000
BT      4.000    474.600   1369.520   1366.440    490.000   1369.520   1366.440    510.000   1369.520   1366.440
BT    525.400   1369.520   1366.440       .000       .000       .000       .000       .000       .000       .000
GR   1370.500    474.600   1361.440    490.000   1361.440    510.000   1370.500    525.400       .000       .000

          NEW FLOW AT DOWNSTREAM END OF WEIR (Q=DET2)
X1    872.020      4.000    474.600    525.400      5.000      5.000      5.000       .000       .000       .000
X2   1387.000       .000       .000       .000       .000       .000       .000       .000       .000       .000
GR   1370.500    474.600   1361.450    490.000   1361.450    510.000   1370.500    525.400       .000       .000

          DOWNSTREAM END OF TRANSITION ABOVE DIVERSION FOR POND 1
X1    872.370      4.000    474.500    525.500     60.000     60.000     60.000       .000       .000       .000
GR   1370.600    474.500   1361.510    490.000   1361.510    510.000   1370.600    525.500       .000       .000

          UPSTREAM END OF TRANSITION ABOVE DIVERSION FOR POND 1
X1    872.470      4.000    473.900    526.100     10.000     10.000     10.000       .000       .000       .000
GR   1370.600    473.900   1361.530    492.000   1361.530    508.000   1370.600    526.100       .000       .000

          SLOPE BREAK ABOVE TRANSITION SECTION FOR POND 1
X1    873.000      4.000    473.000    527.000     53.000     53.000     53.000       .000       .000       .000
GR   1371.100    473.000   1361.640    492.000   1361.640    508.000   1371.100    527.000       .000       .000
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          SLOPE BREAK BELOW TRANSITION SECTION FOR POND 2
X1    878.390      4.000    473.000    527.000    539.000    539.000    539.000       .000       .000       .000
GR   1374.300    473.000   1364.760    492.000   1364.760    508.000   1374.300    527.000       .000       .000

          DOWNSTREAM END OF TRANSITION SECTION BELOW POND 2
X1    878.850      4.000    472.900    527.100     46.000     46.000     46.000       .000       .000       .000
GR   1374.400    472.900   1364.850    492.000   1364.850    508.000   1374.400    527.100       .000       .000

          UPSTREAM END OF TRANSITION SECTION BELOW POND 2
X1    878.950      4.000    473.800    526.200     10.000     10.000     10.000       .000       .000       .000
GR   1374.400    473.800   1364.870    490.000   1364.870    510.000   1374.400    526.200       .000       .000

          FLOW CONSTRICTOR FOR POND 2
X1    879.050      4.000    473.700    526.300     10.000     10.000     10.000       .000       .000       .000
GR   1374.500    473.700   1364.890    490.000   1364.890    510.000   1374.500    526.300       .000       .000

SB       .000      1.560      2.560       .000     20.000       .000    161.400      1.700       .000       .000
          UPSTREAM SIDE OF FLOW CONSTRICTOR FOR POND 2
X1    879.090      4.000    473.700    526.300      4.000      4.000      4.000       .000       .000       .000
X2       .000       .000      1.000   1370.400   1373.480       .000       .000       .000       .000       .000
BT      4.000    473.700   1373.480   1370.400    490.000   1373.480   1370.400    510.000   1373.480   1370.400
BT    526.300   1373.480   1370.400       .000       .000       .000       .000       .000       .000       .000
GR   1374.500    473.700   1364.900    490.000   1364.900    510.000   1374.500    526.300       .000       .000

          NEW FLOW AT DOWNSTREAM END OF WEIR (Q=DET3)
X1    879.140      4.000    473.700    526.300      5.000      5.000      5.000       .000       .000       .000
X2   1567.000       .000       .000       .000       .000       .000       .000       .000       .000       .000
GR   1374.500    473.700   1364.910    490.000   1364.910    510.000   1374.500    526.300       .000       .000

          DOWNSTREAM END OF TRANSITION SECTION ABOVE POND 2
X1    879.740      4.000    472.900    527.300     60.000     60.000     60.000       .000       .000       .000
GR   1375.100    472.900   1365.030    490.000   1365.030    510.000   1375.200    527.300       .000       .000

          UPSTREAM END OF TRANSITION SECTION ABOVE POND 2
X1    879.840      4.000    471.900    528.500     10.000     10.000     10.000       .000       .000       .000
GR   1375.100    471.900   1365.050    492.000   1365.050    508.000   1375.300    528.500       .000       .000

          SLOPE BREAK ABOVE THE TRANSITION ABOVE POND 2
X1    879.990      4.000    473.000    527.000     15.000     15.000     15.000       .000       .000       .000
GR   1374.600    473.000   1365.080    492.000   1365.080    508.000   1374.600    527.000       .000       .000

          SLOPE BREAK BELOW TRANSITION FOR 72nd BOX
X1    883.000      4.000    473.000    527.000    301.000    301.000    301.000       .000       .000       .000
GR   1379.000    473.000   1369.540    492.000   1369.540    508.000   1379.000    527.000       .000       .000

          DOWNSTREAM END OF TRANSITION SECTION FOR 72nd BOX
X1    883.480      4.000    473.000    527.000     48.000     48.000     48.000       .000       .000       .000
GR   1379.200    473.000   1369.800    492.000   1369.800    508.000   1379.200    527.000       .000       .000
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          UPSTREAM END OF TRANSITION FOR 72nd BOX (AT BOX)
X1     883.730      4.000    487.500    512.500     25.000     25.000     25.000       .000       .000       .000
GR    1379.500    487.500   1369.980    487.500   1369.980    512.500   1379.500    512.500       .000       .000

SB       1.250      1.560      2.560       .000     25.000      1.000    192.000       .000   1370.890   1369.980
          UPSTREAM END OF 72nd STREET BOX CULVERT
X1     885.110      4.000    487.500    512.500    138.000    138.000    138.000       .000       .000       .000
X2        .000       .000      1.000   1378.890   1379.890       .000       .000       .000       .000       .000
BT       4.000    475.000   1379.890   1378.890    487.500   1379.890   1378.890    512.500   1379.890   1378.890
BT     525.000   1379.890   1378.890       .000       .000       .000       .000       .000       .000       .000
GR    1380.400    487.500   1370.890    487.500   1370.890    512.500   1380.400    512.500       .000       .000

          UPSTREAM END OF TRANSITION SECTION ABOVE 72nd BOX
X1     885.370      4.000    475.000    525.000     26.000     26.000     26.000       .000       .000       .000
GR    1380.700    475.000   1371.020    494.000   1371.020    506.000   1380.700    525.000       .000       .000

          SLOPE BREAK BELOW DIVERSION STRUCTURE FOR POND 3
X1     889.450      4.000    475.000    525.000    393.000    393.000    393.000       .000       .000       .000
GR    1382.700    475.000   1373.220    494.000   1373.220    506.000   1382.700    525.000       .000       .000

          DOWNSTREAM END OF TRANSITION SECTION BELOW POND 3
X1     889.880      4.000    474.200    526.400     43.000     43.000     43.000       .000       .000       .000
GR    1383.200    474.200   1373.310    494.000   1373.310    506.000   1383.500    526.400       .000       .000

          UPSTREAM END OF TRANSITION SECTION BELOW POND 3
X1     889.980      4.000    474.000    526.300     10.000     10.000     10.000       .000       .000       .000
GR    1383.300    474.000   1373.330    490.000   1373.330    510.000   1383.500    526.300       .000       .000

          FLOW CONSTRICTOR FOR POND 3
X1     890.080      4.000    473.600    526.400     10.000     10.000     10.000       .000       .000       .000
GR    1383.600    473.600   1373.350    490.000   1373.350    510.000   1383.600    526.400       .000       .000

SB        .000      1.560      2.560       .000     20.000       .000    205.800      1.600       .000       .000
          UPSTREAM SIDE OF FLOW CONSTRICTOR FOR POND 3
X1     890.120      4.000    473.600    526.400      4.000      4.000      4.000       .000       .000       .000
X2        .000       .000      1.000   1380.050   1383.130       .000       .000       .000       .000       .000
BT       4.000    473.600   1383.130   1380.050    490.000   1383.130   1380.050    510.000   1383.130   1380.050
BT     526.400   1383.130   1380.050       .000       .000       .000       .000       .000       .000       .000
GR    1383.600    473.600   1373.350    490.000   1373.350    510.000   1383.600    526.400       .000       .000

          NEW FLOW AT DOWNSTREAM END OF WEIR (Q=CO35)
X1     890.170      4.000    473.600    526.400      5.000      5.000      5.000       .000       .000       .000
X2    1687.000       .000       .000       .000       .000       .000       .000       .000       .000       .000
GR    1383.600    473.600   1373.360    490.000   1373.360    510.000   1383.600    526.400       .000       .000

          DOWNSTREAM END OF TRANSITION SECTION ABOVE POND 3
X1     890.770      4.000    473.200    526.800     60.000     60.000     60.000       .000       .000       .000
GR    1384.000    473.200   1373.510    490.000   1373.510    510.000   1384.000    526.800       .000       .000
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          UPSTREAM END OF TRANSITION SECTION ABOVE POND 3
X1    890.870      4.000    472.900    527.100     10.000     10.000     10.000       .000       .000       .000
GR   1384.100    472.900   1373.530    494.000   1373.530    506.000   1384.100    527.100       .000       .000

          SLOPE BREAK ABOVE TRANSITION SECTION FOR POND 3
X1    891.030      4.000    475.000    525.000      6.000      6.000      6.000       .000       .000       .000
GR   1383.000    475.000   1373.540    494.000   1373.540    506.000   1383.000    525.000       .000       .000

          72nd STREET CHANNEL (Q=DET4)
X1    891.590      4.000    475.000    525.000     58.000     58.000     58.000       .000       .000       .000
X2   1080.000       .000       .000       .000       .000       .000       .000       .000       .000       .000
GR   1383.800    475.000   1374.270    494.000   1374.270    506.000   1383.800    525.000       .000       .000

          SLOPE BREAK BELOW DIVERSION STRUCTURE FOR POND 4
X1    896.450      4.000    475.000    525.000    503.000    503.000    503.000       .000       .000       .000
GR   1388.400    475.000   1378.900    494.000   1378.900    506.000   1388.400    525.000       .000       .000

          DOWNSTREAM END OF TRANSITION SECTION BELOW POND 4
X1    896.680      4.000    475.900    526.100     23.000     23.000     23.000       .000       .000       .000
GR   1388.000    475.900   1378.950    494.000   1378.950    506.000   1389.000    526.100       .000       .000

          UPSTREAM END OF TRANSITION SECTION BELOW POND 4
X1    896.780      4.000    475.600    526.200     10.000     10.000     10.000       .000       .000       .000
GR   1388.000    475.600   1378.970    490.000   1378.970    510.000   1389.100    526.200       .000       .000

          FLOW CONSTRICTOR FOR POND 4
X1    896.880      4.000    475.600    526.300     10.000     10.000     10.000       .000       .000       .000
GR   1388.000    475.600   1378.990    490.000   1378.990    510.000   1389.200    526.300       .000       .000

SB       .000      1.560      2.560       .000     20.000       .000    159.500      1.600       .000       .000
          UPSTREAM SIDE OF FLOW CONSTRICTOR FOR POND 4
X1    896.920      4.000    475.400    526.300      4.000      4.000      4.000       .000       .000       .000
X2       .000       .000      1.000   1384.530   1387.610       .000       .000       .000       .000       .000
BT      4.000    475.400   1387.610   1384.530    490.000   1387.610   1384.530    510.000   1387.610   1384.530
BT    526.300   1387.610   1384.530       .000       .000       .000       .000       .000       .000       .000
GR   1388.100    475.400   1379.000    490.000   1379.000    510.000   1389.200    526.300       .000       .000

          NEW FLOW AT DOWNSTREAM END OF WEIR (Q=DET5)
X1    896.970      4.000    475.500    526.300      5.000      5.000      5.000       .000       .000       .000
X2   1213.000       .000       .000       .000       .000       .000       .000       .000       .000       .000
GR   1388.100    475.500   1379.010    490.000   1379.010    510.000   1389.200    526.300       .000       .000

          DOWNSTREAM END OF TRANSITION SECTION ABOVE POND 4
X1    897.570      4.000    475.000    526.300     60.000     60.000     60.000       .000       .000       .000
GR   1388.500    475.000   1379.130    490.000   1379.130    510.000   1389.500    526.300       .000       .000

          UPSTREAM END OF TRANSITION SECTION ABOVE POND 4
X1    897.670      4.000    475.300    526.700     10.000     10.000     10.000       .000       .000       .000
GR   1388.500    475.300   1379.150    494.000   1379.150    506.000   1389.500    526.700       .000       .000
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          SLOPE BREAK ABOVE TRANSITION SECTION FOR POND 4
X1    898.030      4.000    475.000    525.000     36.000     36.000     36.000       .000       .000       .000
GR   1388.700    475.000   1379.220    494.000   1379.220    506.000   1388.700    525.000       .000       .000

          SLOPE BREAK BELOW DIVERSION STRUCTURE FOR POND 5
X1    902.440      4.000    475.000    525.000    441.000    441.000    441.000       .000       .000       .000
GR   1392.100    475.000   1382.550    494.000   1382.550    506.000   1392.100    525.000       .000       .000

          DOWNSTREAM END OF TRANSITION SECTION BELOW POND 5
X1    902.620      4.000    475.600    522.800     18.000     18.000     18.000       .000       .000       .000
GR   1391.800    475.600   1382.590    494.000   1382.590    506.000   1391.000    522.800       .000       .000

          UPSTREAM END OF TRANSITION SECTION BELOW POND 5
X1    902.720      4.000    475.100    523.400     10.000     10.000     10.000       .000       .000       .000
GR   1391.900    475.100   1382.610    490.000   1382.610    510.000   1391.000    523.400       .000       .000

          FLOW CONSTRICTOR FOR POND 5
X1    902.820      4.000    475.000    524.200     10.000     10.000     10.000       .000       .000       .000
GR   1392.000    475.000   1382.620    490.000   1382.620    510.000   1391.500    524.200       .000       .000

SB       .000      1.560      2.560       .000     20.000       .000    177.600      1.600       .000       .000
          UPSTREAM SIDE OF FLOW CONSTRICTOR FOR POND 5
X1    902.860      4.000    475.000    524.200      4.000      4.000      4.000       .000       .000       .000
X2       .000       .000      1.000   1388.630   1391.710       .000       .000       .000       .000       .000
BT      4.000    475.000   1391.710   1388.630    490.000   1391.710   1388.630    510.000   1391.710   1388.630
BT    524.200   1391.710   1388.630       .000       .000       .000       .000       .000       .000       .000
GR   1392.000    475.000   1382.630    490.000   1382.630    510.000   1391.500    524.200       .000       .000

          NEW FLOW AT DOWNSTREAM END OF WEIR (Q=CO33A)
X1    902.910      4.000    475.000    524.200      5.000      5.000      5.000       .000       .000       .000
X2   1362.000       .000       .000       .000       .000       .000       .000       .000       .000       .000
GR   1392.000    475.000   1382.640    490.000   1382.640    510.000   1391.500    524.200       .000       .000

          DOWNSTREAM END OF TRANSITION SECTION ABOVE POND 5
X1    903.900      4.000    474.200    526.300     99.000     99.000     99.000       .000       .000       .000
GR   1392.700    474.200   1382.840    490.000   1382.840    510.000   1393.000    526.300       .000       .000

          UPSTREAM END OF TRANSITION SECTION ABOVE POND 5
X1    904.000      4.000    474.300    526.300     10.000     10.000     10.000       .000       .000       .000
GR   1392.700    474.300   1382.860    494.000   1382.860    510.000   1393.000    526.300       .000       .000

          EDGE OF SOSSAMAN ROAD CHANNEL (Q=DET6)
X1    904.010      4.000    475.000    525.000      1.000      1.000      1.000       .000       .000       .000
X2    763.000       .000       .000       .000       .000       .000       .000       .000       .000       .000
GR   1392.400    475.000   1382.860    494.000   1382.860    506.000   1392.400    525.000       .000       .000

          SLOPE BREAK ABOVE TRANSITION SECTION FOR POND 5
X1    904.040      4.000    475.000    525.000      3.000      3.000      3.000       .000       .000       .000
GR   1392.400    475.000   1382.870    494.000   1382.870    506.000   1392.400    525.000       .000       .000
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          SLOPE BREAK BELOW DIVERSION STRUCTURE FOR POND 6
X1    906.440      4.000    475.000    525.000    240.000    240.000    240.000       .000       .000       .000
GR   1395.700    475.000   1386.150    494.000   1386.150    506.000   1395.700    525.000       .000       .000

          DOWNSTREAM END OF TRANSITION SECTION BELOW POND 6
X1    906.560      4.000    477.300    520.700     12.000     12.000     12.000       .000       .000       .000
GR   1394.500    477.300   1386.170    494.000   1386.170    506.000   1393.500    520.700       .000       .000

          UPSTREAM END OF TRANSITION SECTION BELOW POND 6
X1    906.660      4.000    476.500    521.700     10.000     10.000     10.000       .000       .000       .000
GR   1394.600    476.500   1386.190    490.000   1386.190    510.000   1393.500    521.700       .000       .000

          FLOW CONSTRICTOR FOR POND 6
X1    906.760      4.000    476.400    521.800     10.000     10.000     10.000       .000       .000       .000
GR   1394.700    476.400   1386.210    490.000   1386.210    510.000   1393.600    521.800       .000       .000

SB       .000      1.560      2.560       .000     20.000       .000    132.900      1.600       .000       .000
          UPSTREAM SIDE OF FLOW CONSTRICTOR FOR POND 6
X1    906.800      4.000    476.400    521.800      4.000      4.000      4.000       .000       .000       .000
X2       .000       .000      1.000   1391.020   1394.100       .000       .000       .000       .000       .000
BT      4.000    476.400   1394.100   1391.020    490.000   1394.100   1391.020    510.000   1394.100   1391.020
BT    521.800   1394.100   1391.020       .000       .000       .000       .000       .000       .000       .000
GR   1394.700    476.400   1386.220    490.000   1386.220    510.000   1393.600    521.800       .000       .000

          NEW FLOW AT DOWNSTREAM END OF WEIR (Q=DET7)
X1    906.850      4.000    476.400    521.800      5.000      5.000      5.000       .000       .000       .000
X2    827.000       .000       .000       .000       .000       .000       .000       .000       .000       .000
GR   1394.700    476.400   1386.230    490.000   1386.230    510.000   1393.600    521.800       .000       .000

          DOWNSTREAM END OF TRANSITION SECTION ABOVE POND 6
X1    907.450      4.000    476.000    522.100     60.000     60.000     60.000       .000       .000       .000
GR   1395.100    476.000   1386.350    490.000   1386.350    510.000   1393.900    522.100       .000       .000

          UPSTREAM END OF TRANSITION SECTION ABOVE POND 6
X1    907.550      4.000    476.300    521.300     10.000     10.000     10.000       .000       .000       .000
GR   1395.200    476.300   1386.370    494.000   1386.370    506.000   1394.000    521.300       .000       .000

          SLOPE BREAK ABOVE TRANSITION SECTION FOR POND 6
X1    908.040      4.000    475.000    521.800     49.000     49.000     49.000       .000       .000       .000
GR   1396.000    475.000   1386.470    494.000   1386.470    506.000   1396.000    521.800       .000       .000

          SLOPE BREAK BELOW DIVERSION STRUCTURE FOR POND 7
X1    912.440      4.000    475.000    521.800    440.000    440.000    440.000       .000       .000       .000
GR   1399.100    475.000   1389.580    494.000   1389.580    506.000   1399.100    521.800       .000       .000

          DOWNSTREAM END OF TRANSITION SECTION BELOW POND 7
X1    912.710      4.000    479.300    520.900     27.000     27.000     27.000       .000       .000       .000
GR   1397.000    479.300   1389.630    494.000   1389.630    506.000   1397.100    520.900       .000       .000
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          UPSTREAM END OF TRANSITION SECTION BELOW POND 7
X1    912.810      4.000    478.100    522.100     10.000     10.000     10.000       .000       .000       .000
GR   1397.100    478.100   1389.650    490.000   1389.650    510.000   1397.200    522.100       .000       .000

          FLOW CONSTRICTOR FOR POND 7
X1    912.910      4.000    478.000    522.200     10.000     10.000     10.000       .000       .000       .000
GR   1397.200    478.000   1389.670    490.000   1389.670    510.000   1397.300    522.200       .000       .000

SB       .000      1.560      2.560       .000     20.000       .000    141.400      1.600       .000       .000
          UPSTREAM SIDE OF FLOW CONSTRICTOR FOR POND 7
X1    912.950      4.000    478.000    522.200      4.000      4.000      4.000       .000       .000       .000
X2       .000       .000      1.000   1394.720   1397.800       .000       .000       .000       .000       .000
BT      4.000    478.000   1397.800   1394.720    490.000   1397.800   1394.720    510.000   1397.800   1394.720
BT    522.200   1397.800   1394.720       .000       .000       .000       .000       .000       .000       .000
GR   1397.200    478.000   1389.680    490.000   1389.680    510.000   1397.300    522.200       .000       .000

          NEW FLOW AT DOWNSTREAM END OF WEIR (Q=C032)
X1    913.000      4.000    478.000    522.200      5.000      5.000      5.000       .000       .000       .000
X2    877.000       .000       .000       .000       .000       .000       .000       .000       .000       .000
GR   1397.200    478.000   1389.690    490.000   1389.690    510.000   1397.300    522.200       .000       .000

          DOWNSTREAM END OF TRANSITION SECTION ABOVE POND 7
X1    913.600      4.000    477.700    522.500     60.000     60.000     60.000       .000       .000       .000
GR   1397.500    477.700   1389.810    490.000   1389.810    510.000   1397.600    522.500       .000       .000

          UPSTREAM END OF TRANSITION SECTION ABOVE POND 7
X1    913.700      4.000    478.500    521.700     10.000     10.000     10.000       .000       .000       .000
GR   1397.600    478.500   1389.830    494.000   1389.830    506.000   1397.700    521.700       .000       .000

          DOWNSTREAM END OF TRANSITION FOR SOSSAMAN RD. BOX
X1    916.610      4.000    475.000    525.000    343.000    343.000    343.000       .000       .000       .000
GR   1400.000    475.000   1390.540    494.000   1390.540    506.000   1400.000    525.000       .000       .000

          DOWNSTREAM END OF SOSSAMAN ROAD BOX (Q=C032-R031)
X1    916.960      4.000    489.500    510.500     35.000     35.000     35.000       .000       .000       .000
X2    363.000       .000       .000       .000       .000       .000       .000       .000       .000       .000
GR   1399.500    489.500   1392.990    489.500   1392.990    510.500   1399.500    510.500       .000       .000

SB      1.250      1.560      2.560       .000     21.000      1.000    120.000       .000   1394.120   1392.990
          UPSTREAM END OF SOSSAMAN RD. BOX
X1    918.640      4.000    489.500    510.500    168.000    168.000    168.000       .000       .000       .000
X2       .000       .000      1.000   1400.120   1401.120       .000       .000       .000       .000       .000
BT      4.000    475.000   1401.120   1400.120    489.500   1401.120   1400.120    510.500   1401.120   1400.120
BT    525.000   1401.120   1400.120       .000       .000       .000       .000       .000       .000       .000
GR   1400.500    489.500   1394.120    489.500   1394.120    510.500   1400.500    510.500       .000       .000

          UPSTREAM END OF TRANSITION SECTION ABOVE SOSSAMAN RD.
X1    919.050      4.000    475.000    525.000     41.000     41.000     41.000       .000       .000       .000
GR   1403.900    475.000   1394.390    494.000   1394.390    506.000   1403.900    525.000       .000       .000
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SLOPE BREAK AT BEGINING OF ACCESS RAMP

X1	927.010	4.000	475.000	525.000	797.000	797.000	797.000	.000	.000	.000
GR	1409.200	475.000	1399.730	494.000	1399.730	506.000	1409.200	525.000	.000	.000
X1	928.060	4.000	475.000	525.000	105.000	105.000	105.000	.000	.000	.000
GR	1409.500	475.000	1399.990	494.000	1399.990	506.000	1409.500	525.000	.000	.000
EJ	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

THIS RUN EXECUTED 08/24/88 16:31:16

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  HEC2 RELEASE DATED NOV 76 UPDATED MAY  1984
  ERROR CORR -  01,02,03,04,05,06
  MODIFICATION -  50,51,52,53,54,55,56
  IBM-PC-XT VERSION
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NOTE- ASTERISK (*) AT LEFT OF CROSS-SECTION NUMBER INDICATES MESSAGE IN SUMMARY OF ERRORS LIST

Q=50 YEAR

SUMMARY PRINTOUT TABLE 150

	SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRIWS	EG	10K*S	VCH	AREA	.01K
	816.160	.00	.00	.00	1327.70	1608.00	1337.70	1333.62	1338.09	2.84	5.03	319.50	953.36
*	843.150	2699.00	.00	.00	1335.30	1608.00	1341.22	1341.22	1343.24	26.54	11.38	141.25	312.14
*	846.000	285.00	.00	.00	1336.20	1608.00	1342.13	1342.13	1344.14	26.37	11.36	141.59	313.15
*	847.400	50.00	.00	.00	1336.70	1608.00	1342.63	1342.63	1344.64	26.41	11.36	141.50	312.90
*	848.470	107.00	.00	.00	1338.23	1602.00	1344.14	1344.14	1346.14	26.50	11.36	141.02	311.22
*	850.400	193.00	.00	.00	1341.00	1602.00	1346.92	1346.92	1348.92	26.38	11.35	141.17	311.90
*	853.400	300.00	.00	.00	1345.50	1602.00	1351.42	1351.42	1353.42	26.43	11.36	141.07	311.60
*	856.600	320.00	.00	.00	1350.20	1602.00	1356.12	1356.12	1358.12	26.40	11.35	141.14	311.81
*	859.600	300.00	.00	.00	1354.80	1602.00	1360.72	1360.72	1362.72	26.43	11.36	141.07	311.60
*	863.910	431.00	.00	.00	1357.01	1602.00	1362.71	1362.71	1364.70	26.15	11.32	141.52	313.29
*	864.210	30.00	.00	.00	1357.17	1602.00	1362.79	1362.79	1365.65	37.77	13.56	118.12	260.67
*	865.570	142.00	1368.23	1364.00	1358.00	1602.00	1365.69	.00	1367.11	16.04	9.57	167.44	399.97
	866.070	50.00	.00	.00	1358.20	1323.00	1366.93	1363.02	1367.25	2.57	4.53	292.19	825.77
	867.010	94.00	.00	.00	1358.71	1323.00	1366.91	1363.54	1367.30	3.31	4.97	266.01	726.82
	867.020	1.00	.00	.00	1358.71	1323.00	1366.91	1363.56	1367.30	3.32	4.98	265.63	725.87
	867.780	77.00	.00	.00	1359.20	1323.00	1366.88	1364.05	1367.35	4.34	5.50	240.65	634.79
	867.790	1.00	.00	.00	1359.20	1323.00	1366.89	1364.02	1367.35	4.33	5.49	241.01	635.70

	SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRIWS	EG	10K*S	VCH	AREA	.01K
	871.400	361.00	.00	.00	1361.30	1323.00	1367.27	1366.01	1367.54	4.83	5.06	447.76	601.86
	871.730	33.00	.00	.00	1361.39	1323.00	1366.31	1366.21	1367.99	25.07	10.41	127.15	264.23
	871.830	10.00	.00	.00	1361.41	1323.00	1367.15	1365.88	1368.08	10.97	7.75	170.67	399.53
	871.930	10.00	.00	.00	1361.43	1323.00	1367.16	1365.91	1368.09	10.96	7.75	170.64	399.67
	871.970	4.00	1369.52	1366.44	1361.44	1323.00	1368.77	.00	1369.25	4.34	5.56	238.10	635.08
	872.020	5.00	.00	.00	1361.45	1387.00	1368.73	1366.05	1369.27	4.90	5.88	235.81	626.53
	872.370	60.00	.00	.00	1361.51	1387.00	1368.76	1366.11	1369.30	4.98	5.91	234.55	621.67
	872.470	10.00	.00	.00	1361.53	1387.00	1368.70	1366.49	1369.33	6.31	6.38	217.26	552.14
	873.000	53.00	.00	.00	1361.64	1387.00	1368.72	1366.59	1369.37	6.57	6.47	214.35	541.32
*	878.390	539.00	.00	.00	1364.76	1387.00	1369.71	1369.71	1371.53	26.95	10.83	128.12	267.18
	878.850	46.00	.00	.00	1364.85	1387.00	1370.25	1369.80	1371.68	19.33	9.59	144.56	315.50
	878.950	10.00	.00	.00	1364.87	1387.00	1370.80	1369.49	1371.74	10.71	7.79	177.95	423.73
	879.050	10.00	.00	.00	1364.89	1387.00	1370.81	1369.49	1371.75	10.72	7.80	177.88	423.67
	879.090	4.00	1373.48	1370.40	1364.90	1387.00	1372.03	.00	1372.60	5.30	6.05	229.12	602.32
	879.140	5.00	.00	.00	1364.91	1567.00	1371.89	1369.85	1372.66	7.36	7.05	222.32	577.61
	879.740	60.00	.00	.00	1365.03	1567.00	1371.91	1369.97	1372.71	7.72	7.17	218.49	563.86
	879.840	10.00	.00	.00	1365.05	1567.00	1371.81	1370.35	1372.77	10.15	7.85	199.69	491.80
	879.990	15.00	.00	.00	1365.08	1567.00	1371.82	1370.38	1372.79	10.27	7.88	198.75	488.87
*	883.000	301.00	.00	.00	1369.54	1567.00	1374.83	1374.83	1376.75	26.52	11.12	140.90	304.27
*	883.480	48.00	.00	.00	1369.80	1567.00	1375.09	1375.09	1377.00	26.40	11.09	141.27	304.98
*	883.730	25.00	.00	.00	1369.98	1567.00	1374.92	1374.92	1377.42	34.52	12.68	123.57	266.70
*	885.110	138.00	1379.89	1378.89	1370.89	1567.00	1377.11	.00	1378.69	17.64	10.08	155.47	373.07
*	885.370	26.00	.00	.00	1371.02	1567.00	1376.89	1376.89	1378.89	26.62	11.35	138.04	303.74
*	889.450	393.00	.00	.00	1373.22	1567.00	1379.06	1379.06	1381.05	26.59	11.31	138.55	303.89
	889.880	43.00	.00	.00	1373.31	1567.00	1379.58	1379.16	1381.19	19.84	10.16	154.29	351.85
	889.980	10.00	.00	.00	1373.33	1567.00	1380.55	1378.31	1381.28	6.76	6.89	227.58	602.81

	SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRIWS	EG	10K*S	VCH	AREA	.01K
	890.080	10.00	.00	.00	1373.35	1567.00	1380.55	1378.33	1381.29	6.77	6.89	227.40	602.40
	890.120	4.00	1383.13	1380.05	1373.35	1567.00	1381.42	.00	1381.96	4.40	5.90	265.78	747.21
	890.170	5.00	.00	.00	1373.36	1687.00	1381.35	1378.56	1381.99	5.31	6.44	261.93	732.23
	890.770	60.00	.00	.00	1373.51	1687.00	1381.36	1378.71	1382.03	5.65	6.59	256.07	709.73
	890.870	10.00	.00	.00	1373.53	1687.00	1381.11	1379.61	1382.15	10.55	8.20	205.65	519.51
	891.030	6.00	.00	.00	1373.54	1687.00	1381.12	1379.61	1382.16	10.52	8.19	206.01	520.05
	891.590	58.00	.00	.00	1374.27	1080.00	1381.83	1379.07	1382.26	4.38	5.28	204.57	515.96
*	896.450	503.00	.00	.00	1378.90	1080.00	1383.70	1383.70	1385.39	27.92	10.43	103.59	204.39
	896.680	23.00	.00	.00	1378.95	1080.00	1384.08	1383.75	1385.47	21.40	9.46	114.15	233.44
	896.780	10.00	.00	.00	1378.97	1080.00	1384.99	1382.97	1385.56	6.34	6.06	178.13	428.92
	896.880	10.00	.00	.00	1378.99	1080.00	1385.00	1382.99	1385.57	6.34	6.06	178.15	428.98
	896.920	4.00	1387.61	1384.53	1379.00	1080.00	1385.68	.00	1386.11	4.28	5.26	205.19	522.25
	896.970	5.00	.00	.00	1379.01	1213.00	1385.59	1383.29	1386.15	5.74	6.05	200.59	506.22
	897.570	60.00	.00	.00	1379.13	1213.00	1385.60	1383.42	1386.20	6.09	6.18	196.21	491.46
	897.670	10.00	.00	.00	1379.15	1213.00	1385.32	1384.25	1386.33	12.75	8.07	150.33	339.72
	898.030	36.00	.00	.00	1379.22	1213.00	1385.35	1384.32	1386.38	13.07	8.14	149.00	335.48
*	902.440	441.00	.00	.00	1382.55	1213.00	1387.66	1387.66	1389.44	27.49	10.70	113.31	231.37
	902.620	18.00	.00	.00	1382.59	1213.00	1388.05	1387.70	1389.52	21.06	9.71	124.99	264.29
	902.720	10.00	.00	.00	1382.61	1213.00	1389.00	1386.89	1389.61	6.42	6.29	192.70	478.55
	902.820	10.00	.00	.00	1382.62	1213.00	1389.00	1386.90	1389.62	6.39	6.28	193.08	479.91
	902.860	4.00	1391.71	1388.63	1382.63	1213.00	1389.66	.00	1390.13	4.44	5.51	220.06	575.54
	902.910	5.00	.00	.00	1382.64	1362.00	1389.56	1387.23	1390.18	5.96	6.33	215.16	557.73
	903.900	99.00	.00	.00	1382.84	1362.00	1389.59	1387.43	1390.26	6.50	6.53	208.62	534.29
	904.000	10.00	.00	.00	1382.86	1362.00	1389.47	1387.85	1390.32	9.10	7.37	184.82	451.51
	904.010	1.00	.00	.00	1382.86	763.00	1390.14	1386.83	1390.38	2.57	3.96	192.70	476.03
	904.040	3.00	.00	.00	1382.87	763.00	1390.14	1386.85	1390.38	2.58	3.96	192.48	475.19

	SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRIWS	EG	10K*S	VCH	AREA	.01K
*	906.440	240.00	.00	.00	1386.15	763.00	1390.13	1390.13	1391.57	29.09	9.63	79.22	141.47
	906.560	12.00	.00	.00	1386.17	763.00	1390.52	1390.14	1391.63	20.28	8.44	90.40	169.44
	906.660	10.00	.00	.00	1386.19	763.00	1391.26	1389.43	1391.71	5.93	5.35	142.58	313.45
	906.760	10.00	.00	.00	1386.21	763.00	1391.27	1389.45	1391.71	5.95	5.36	142.34	312.83
	906.800	4.00	1394.10	1391.02	1386.22	763.00	1391.70	.00	1392.07	4.44	4.83	157.95	362.17
	906.850	5.00	.00	.00	1386.23	827.00	1391.65	1389.63	1392.09	5.44	5.32	155.59	354.51
	907.450	60.00	.00	.00	1386.35	827.00	1391.67	1389.75	1392.13	5.79	5.43	152.17	343.65
	907.550	10.00	.00	.00	1386.37	827.00	1391.40	1390.52	1392.26	13.46	7.43	111.30	225.41
	908.040	49.00	.00	.00	1386.47	827.00	1391.37	1390.69	1392.38	16.22	8.06	102.57	205.36
*	912.440	440.00	.00	.00	1389.58	827.00	1393.81	1393.81	1395.33	28.68	9.92	83.40	154.43
	912.710	27.00	.00	.00	1389.63	827.00	1394.49	1393.77	1395.45	15.55	7.84	105.50	209.69
	912.810	10.00	.00	.00	1389.65	827.00	1395.07	1393.05	1395.51	5.47	5.33	155.25	353.56
	912.910	10.00	.00	.00	1389.67	827.00	1395.07	1393.07	1395.51	5.51	5.34	154.82	352.29
	912.950	4.00	1397.80	1394.72	1389.68	827.00	1395.54	.00	1395.90	4.09	4.80	172.25	409.17
	913.000	5.00	.00	.00	1389.69	877.00	1395.51	1393.22	1395.92	4.73	5.14	170.47	403.17
	913.600	60.00	.00	.00	1389.81	877.00	1395.52	1393.33	1395.95	5.02	5.25	166.91	391.36
	913.700	10.00	.00	.00	1389.83	877.00	1395.30	1394.12	1396.06	10.91	7.00	125.36	265.46
	916.610	343.00	.00	.00	1390.54	877.00	1395.60	1394.82	1396.55	14.85	7.82	112.13	227.60
	916.960	35.00	.00	.00	1392.99	363.00	1396.19	1395.08	1396.65	10.28	5.41	67.08	113.21
	918.640	168.00	1401.12	1400.12	1394.12	363.00	1396.30	.00	1397.28	33.04	7.92	45.83	63.16
*	919.050	41.00	.00	.00	1394.39	363.00	1397.00	1397.00	1398.01	32.27	8.09	44.89	63.90
*	927.010	797.00	.00	.00	1399.73	363.00	1402.34	1402.34	1403.35	32.17	8.07	44.96	64.00
	928.060	105.00	.00	.00	1399.99	363.00	1402.86	1402.60	1403.65	22.71	7.14	50.84	76.17

Q=50 YEAR

SUMMARY PRINTOUT TABLE 150

	SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
	816.160	1608.00	1337.70	.00	.00	.00	50.00	.00
*	843.150	1608.00	1341.22	.00	3.52	.00	35.69	2699.00
*	846.000	1608.00	1342.13	.00	.91	.00	35.73	285.00
*	847.400	1608.00	1342.63	.00	.50	.00	35.72	50.00
*	848.470	1602.00	1344.14	.00	1.51	.00	35.72	107.00
*	850.400	1602.00	1346.92	.00	2.78	.00	35.68	193.00
*	853.400	1602.00	1351.42	.00	4.50	.00	35.67	300.00
*	856.600	1602.00	1356.12	.00	4.70	.00	35.68	320.00
*	859.600	1602.00	1360.72	.00	4.60	.00	35.67	300.00
*	863.910	1602.00	1362.71	.00	1.99	.00	35.63	431.00
*	864.210	1602.00	1362.79	.00	.08	.00	21.00	30.00
*	865.570	1602.00	1365.69	.00	2.90	.00	27.79	142.00
	866.070	1323.00	1366.93	.00	1.24	.00	50.93	50.00
	867.010	1323.00	1366.91	.00	-.02	.00	48.85	94.00
	867.020	1323.00	1366.91	.00	.00	.00	48.76	1.00
	867.780	1323.00	1366.88	.00	-.03	.00	46.64	77.00
	867.790	1323.00	1366.89	.00	.00	.00	46.73	1.00
	871.400	1323.00	1367.27	.00	.38	.00	155.81	361.00
	871.730	1323.00	1366.31	.00	-.96	.00	35.67	33.00
	871.830	1323.00	1367.15	.00	.84	.00	39.53	10.00
	871.930	1323.00	1367.16	.00	.01	.00	39.48	10.00
	871.970	1323.00	1368.77	.00	1.61	.00	44.93	4.00
	872.020	1387.00	1368.73	.00	-.04	.00	44.78	5.00
	872.370	1387.00	1368.76	.00	.03	.00	44.72	60.00

	SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
	872.470	1387.00	1368.70	.00	-.06	.00	44.61	10.00
	873.000	1387.00	1368.72	.00	.02	.00	44.48	53.00
*	878.390	1387.00	1369.71	.00	.99	.00	35.73	539.00
	878.850	1387.00	1370.25	.00	.53	.00	37.58	46.00
	878.950	1387.00	1370.80	.00	.55	.00	40.12	10.00
	879.050	1387.00	1370.81	.00	.01	.00	40.09	10.00
	879.090	1387.00	1372.03	.00	1.22	.00	44.23	4.00
	879.140	1567.00	1371.89	.00	-.14	.00	43.72	5.00
	879.740	1567.00	1371.91	.00	.03	.00	43.42	60.00
	879.840	1567.00	1371.81	.00	-.10	.00	43.05	10.00
	879.990	1567.00	1371.82	.00	.01	.00	42.93	15.00
*	883.000	1567.00	1374.83	.00	3.01	.00	37.26	301.00
*	883.480	1567.00	1375.09	.00	.26	.00	37.39	48.00
*	883.730	1567.00	1374.92	.00	-.17	.00	25.00	25.00
*	885.110	1567.00	1377.11	.00	2.19	.00	25.00	138.00
*	885.370	1567.00	1376.89	.00	-.22	.00	35.04	26.00
*	889.450	1567.00	1379.06	.00	2.17	.00	35.42	393.00
	889.880	1567.00	1379.58	.00	.52	.00	37.14	43.00
	889.980	1567.00	1380.55	.00	.96	.00	43.13	10.00
	890.080	1567.00	1380.55	.00	.01	.00	43.07	10.00
	890.120	1567.00	1381.42	.00	.86	.00	45.84	4.00
	890.170	1687.00	1381.35	.00	-.07	.00	45.59	5.00
	890.770	1687.00	1381.36	.00	.01	.00	45.17	60.00
	890.870	1687.00	1381.11	.00	-.25	.00	42.26	10.00
	891.030	1687.00	1381.12	.00	.01	.00	42.42	6.00
	891.590	1080.00	1381.83	.00	.71	.00	42.14	58.00

	SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
*	896.450	1080.00	1383.70	.00	1.87	.00	31.19	503.00
	896.680	1080.00	1384.08	.00	.38	.00	32.51	23.00
	896.780	1080.00	1384.99	.00	.91	.00	39.22	10.00
	896.880	1080.00	1385.00	.00	.01	.00	39.22	10.00
	896.920	1080.00	1385.68	.00	.68	.00	41.40	4.00
	896.970	1213.00	1385.59	.00	-.09	.00	41.01	5.00
	897.570	1213.00	1385.60	.00	.02	.00	40.56	60.00
	897.670	1213.00	1385.32	.00	-.28	.00	36.70	10.00
	898.030	1213.00	1385.35	.00	.03	.00	36.59	36.00
*	902.440	1213.00	1387.66	.00	2.31	.00	32.34	441.00
	902.620	1213.00	1388.05	.00	.39	.00	33.80	18.00
	902.720	1213.00	1389.00	.00	.94	.00	40.42	10.00
	902.820	1213.00	1389.00	.00	.01	.00	40.44	10.00
	902.860	1213.00	1389.66	.00	.66	.00	42.53	4.00
	902.910	1362.00	1389.56	.00	-.10	.00	42.18	5.00
	903.900	1362.00	1389.59	.00	.03	.00	41.69	99.00
	904.000	1362.00	1389.47	.00	-.12	.00	39.88	10.00
	904.010	763.00	1390.14	.00	.66	.00	40.98	1.00
	904.040	763.00	1390.14	.00	.00	.00	40.98	3.00
*	906.440	763.00	1390.13	.00	-.01	.00	27.83	240.00
	906.560	763.00	1390.52	.00	.40	.00	29.48	12.00
	906.660	763.00	1391.26	.00	.74	.00	36.25	10.00
	906.760	763.00	1391.27	.00	.00	.00	36.20	10.00
	906.800	763.00	1391.70	.00	.44	.00	37.57	4.00
	906.850	827.00	1391.65	.00	-.05	.00	37.39	5.00
	907.450	827.00	1391.67	.00	.02	.00	37.08	60.00

	SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
	907.550	827.00	1391.40	.00	-.27	.00	32.20	10.00
	908.040	827.00	1391.37	.00	-.03	.00	29.88	49.00
*	912.440	827.00	1393.81	.00	2.44	.00	27.45	440.00
	912.710	827.00	1394.49	.00	.69	.00	31.40	27.00
	912.810	827.00	1395.07	.00	.57	.00	37.33	10.00
	912.910	827.00	1395.07	.00	.00	.00	37.26	10.00
	912.950	827.00	1395.54	.00	.47	.00	38.75	4.00
	913.000	877.00	1395.51	.00	-.04	.00	38.62	5.00
	913.600	877.00	1395.52	.00	.02	.00	38.34	60.00
	913.700	877.00	1395.30	.00	-.22	.00	33.83	10.00
	916.610	877.00	1395.60	.00	.30	.00	32.32	343.00
	916.960	363.00	1396.19	.00	.59	.00	21.00	35.00
	918.640	363.00	1396.30	.00	.11	.00	21.00	168.00
*	919.050	363.00	1397.00	.00	.70	.00	22.42	41.00
*	927.010	363.00	1402.34	.00	5.34	.00	22.47	797.00
	928.060	363.00	1402.86	.00	.52	.00	23.46	105.00

SUMMARY OF ERRORS AND SPECIAL NOTES

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CAUTION  SECNO=   843.150  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   843.150  PROFILE= 1  MINIMUM SPECIFIC ENERGY

CAUTION  SECNO=   846.000  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   846.000  PROFILE= 1  MINIMUM SPECIFIC ENERGY

CAUTION  SECNO=   847.400  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   847.400  PROFILE= 1  MINIMUM SPECIFIC ENERGY

CAUTION  SECNO=   848.470  PROFILE= 1  CRITICAL DEPTH ASSUMED
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CAUTION  SECNO=   850.400  PROFILE= 1  CRITICAL DEPTH ASSUMED
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CAUTION  SECNO=   853.400  PROFILE= 1  CRITICAL DEPTH ASSUMED
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CAUTION  SECNO=   856.600  PROFILE= 1  CRITICAL DEPTH ASSUMED
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CAUTION  SECNO=   859.600  PROFILE= 1  CRITICAL DEPTH ASSUMED
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CAUTION  SECNO=   863.910  PROFILE= 1  CRITICAL DEPTH ASSUMED
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CAUTION  SECNO=   864.210  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   864.210  PROFILE= 1  MINIMUM SPECIFIC ENERGY

CAUTION  SECNO=   865.570  PROFILE= 1  HYDRAULIC JUMP D.S.

CAUTION  SECNO=   878.390  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   878.390  PROFILE= 1  MINIMUM SPECIFIC ENERGY

CAUTION  SECNO=   883.000  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   883.000  PROFILE= 1  MINIMUM SPECIFIC ENERGY

CAUTION  SECNO=   883.480  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   883.480  PROFILE= 1  MINIMUM SPECIFIC ENERGY

CAUTION  SECNO=   883.730  PROFILE= 1  CRITICAL DEPTH ASSUMED
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CAUTION  SECNO=   885.110  PROFILE= 1  HYDRAULIC JUMP D.S.

CAUTION  SECNO=   885.370  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   885.370  PROFILE= 1  MINIMUM SPECIFIC ENERGY

CAUTION  SECNO=   889.450  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   889.450  PROFILE= 1  MINIMUM SPECIFIC ENERGY
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CAUTION  SECNO=   896.450  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   896.450  PROFILE= 1  MINIMUM SPECIFIC ENERGY

CAUTION  SECNO=   902.440  PROFILE= 1  CRITICAL DEPTH ASSUMED
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CAUTION  SECNO=   912.440  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   912.440  PROFILE= 1  MINIMUM SPECIFIC ENERGY

CAUTION  SECNO=   919.050  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   919.050  PROFILE= 1  MINIMUM SPECIFIC ENERGY

CAUTION  SECNO=   927.010  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   927.010  PROFILE= 1  MINIMUM SPECIFIC ENERGY
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User: DEN104 -at

<OPS183>PROJ>PJ6114>DATA>HEC2>CHNL1100.OUT

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*****************************************************************************************************
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WWWW  WWWWW W   W   W    WWW  W
W   W W     WW  W  WW   W   W W  W
W   W W     W W W   W   W   W W  W
W   W WWWW  W W W   W   W W W WWWWW
W   W W     W W W   W   W   W    W
W   W W     W  WW   W   W   W    W
WWWW  WWWWW W   W  WWW   WWW     W



 WWW  W   W W   W W       W     W    WWW   WWW         WWW  W   W WWWWW
W   W W   W WW  W W      WW    WW   W   W W   W       W   W W   W   W
W     W   W W W W W       W     W   W   W W   W       W   W W   W   W
W     WWWWW W W W W       W     W   W W W W W W       W   W W   W   W
W     W   W W W W W       W     W   W   W W   W       W   W W   W   W
W   W W   W W  WW W       W     W   W   W W   W   WW  W   W W   W   W
 WWW  W   W W   W WWWWW  WWW   WWW   WWW   WWW    WW   WWW   WWW    W

*****************************************************************************************************
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[Spooler rev 20.0.6HB (c) Prime Computer, Inc., 1986]

Label: PRT122 -form DENPRT

Pathname: <OPS183>PROJ>PJ6114>DATA>HEC2>CHNL1100.OUT
File last modified: 88-08-17.17:48:40.Wed

Spooled: 88-09-13.12:42:24.Tue
Started: 88-09-13.12:46:36.Tue on: AMLC by: DENPRT

THIS RUN EXECUTED 08/17/88 17:54:12

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**************************************************
  HEC2 RELEASE DATED NOV 76 UPDATED MAY  1984
  ERROR CORR -  01,02,03,04,05,06
  MODIFICATION -  50,51,52,53,54,55,56
  IBM-PC-XT VERSION
**************************************************

C
T1       BACKWATER CURVE FROM THE RWCD TO THE UPSTREAM END OF
T2       CHANNEL NUMBER 1 (APPROX. STA 816+16 TO STA 918+94).
T3       Q=100 YEAR

J1  ICHECK    INQ      NINV     IDIR     STRT     METRIC   HVINS    Q        WSEL     FQ

      0.       2.       0.       0.   .000000     .00      .0       0.  1337.700   .000

J2  NPROF     IPLOT    PRFVS    XSECV    XSECH    FN       ALLDC    IBW      CHNIM    ITRACE

    -1.000    .000    -1.000    1.000    2.000    .000    -1.000    .000     .000     .000

J3  VARIABLE CODES FOR SUMMARY PRINTOUT

   150.000    .000     .000     .000     .000     .000     .000     .000     .000     .000

J5  LPRNT    NUMSEC                    ********REQUESTED SECTION NUMBERS********

   -10.000  -10.000     .000     .000     .000     .000     .000     .000     .000     .000

NC      .035      .035      .016      .100      .300      .000      .000      .000      .000      .000
QT     1.000  1667.000      .000      .000      .000      .000      .000      .000      .000      .000
          DISCHARGE TO THE RWCD-ASSUMED ELEVATION (509 PLAN EL.-1.3 FT)(Q=COFY1)
X1   816.160     4.000   475.000   525.000      .000      .000      .000      .000      .000     1.000
GR  1337.200   475.000  1327.700   494.000  1327.700   506.000  1337.200   525.000      .000      .000

          URS SURVEYED ELEVATION-EXISTING CHANNEL
X1   843.150     4.000   475.000   525.000  2699.000  2699.000  2699.000      .000      .000     1.000
GR  1344.800   475.000  1335.300   494.000  1335.300   506.000  1344.800   525.000      .000      .000

          URS SURVEYED ELEVATION-EXISTING CHANNEL
X1   846.000     4.000   475.000   525.000   285.000   285.000   285.000      .000      .000     1.000
GR  1345.700   475.000  1336.200   494.000  1336.200   506.000  1345.700   525.000      .000      .000

          URS SURVEYED ELEVATION-EXISTING CHANNEL
X1   847.400     4.000   475.000   525.000    50.000    50.000    50.000      .000      .000     1.000
GR  1346.200   475.000  1336.700   494.000  1336.700   506.000  1346.200   525.000      .000      .000

          STORM SEWER OUTFALL TO EXISTING CHANNEL (Q=ROPOW)
X1   848.470     4.000   475.000   525.000   107.000   107.000   107.000      .000      .000     1.000
X2  1656.000      .000      .000      .000      .000      .000      .000      .000      .000      .000
GR  1347.700   475.000  1338.230   494.000  1338.230   506.000  1347.700   525.000      .000      .000
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          URS SURVEYED ELEVATION-EXISTING CHANNEL
X1    850.400      4.000    475.000    525.000    193.000    193.000    193.000       .000       .000      1.000
GR   1350.500    475.000   1341.000    494.000   1341.000    506.000   1350.500    525.000       .000       .000

          URS SURVEYED ELEVATION-EXISTING CHANNEL
X1    853.400      4.000    475.000    525.000    300.000    300.000    300.000       .000       .000      1.000
GR   1355.000    475.000   1345.500    494.000   1345.500    506.000   1355.000    525.000       .000       .000

          URS SURVEYED ELEVATION-EXISTING CHANNEL
X1    856.600      4.000    475.000    525.000    320.000    320.000    320.000       .000       .000      1.000
GR   1359.700    475.000   1350.200    494.000   1350.200    506.000   1359.700    525.000       .000       .000

          GRADE BREAK 460 FEET DOWNSTREAM FROM POWER BOX
X1    859.600      4.000    475.000    525.000    300.000    300.000    300.000       .000       .000      1.000
GR   1364.300    475.000   1354.800    494.000   1354.800    506.000   1364.300    525.000       .000       .000

          DOWNSTREAM END OF TRANSITION BELOW POWER BOX
X1    863.910      4.000    475.000    525.000    431.000    431.000    431.000       .000       .000      1.000
GR   1366.500    475.000   1357.010    492.000   1357.010    506.000   1366.500    525.000       .000       .000

          POWER ROAD BOX- DOWNSTREAM END
X1    864.210      4.000    489.500    510.500     30.000     30.000     30.000       .000       .000      1.000
X3     10.000       .000       .000       .000       .000       .000       .000   1365.160   1365.160       .000
GR   1366.700    489.500   1357.170    489.500   1357.170    510.500   1366.700    510.500       .000       .000

SB      1.250      1.560      2.560       .000     21.000      1.000    120.000       .000   1358.000   1357.010
          POWER ROAD BOX- UPSTREAM END
X1    865.570      9.000    482.500    517.500    142.000    142.000    142.000       .000       .000     10.000
X2       .000       .000      1.000   1364.000   1368.230       .000       .000       .000       .000       .000
X3     10.000       .000       .000    482.500   1367.500    517.500   1367.500       .000       .000       .000
BT      7.000    463.000   1372.400   1364.000    482.500   1372.020   1364.000    489.500   1372.020   1364.000
BT    510.500   1371.720   1364.000    517.500   1371.620   1364.000   1000.000   1368.230   1364.000   1057.100
BT   1370.000   1364.000       .000       .000       .000       .000       .000       .000       .000       .000
GR   1372.400    463.000   1367.500    482.500   1364.000    489.500   1358.000    489.500   1358.000    510.500
GR   1364.000    510.500   1367.500    517.500   1369.720   1000.000   1370.000   1057.000      1.000       .000

          UPSTREAM END OF POWER ROAD BOX CULVERT TRANSITION (Q=DET1)
X1    866.070      6.000    473.400    526.600     50.000     50.000     50.000       .000       .000     10.000
X2   1322.000       .000       .000       .000       .000       .000       .000       .000       .000       .000
X3     10.000       .000       .000    473.400   1367.500    526.600   1367.500       .000       .000       .000
GR   1368.200    375.000   1367.500    473.400   1358.200    492.000   1358.200    508.000   1367.500    526.600
GR   1370.000   1027.000       .000       .000       .000       .000       .000       .000       .000       .000

          DOWNSTREAM END OF POND 1 SPILLWAY TOP
X1    867.010      4.000    473.200    526.800     94.000     94.000     94.000       .000       .000      1.000
GR   1368.100    473.200   1358.710    492.000   1358.710    508.000   1368.100    526.800       .000       .000

          DOWNSTREAM END OF POND 1 SPILLWAY CREST
X1    867.020      4.000    474.100    526.800      1.000      1.000      1.000       .000       .000      1.000
GR   1367.700    474.100   1358.710    492.000   1358.710    508.000   1368.100    526.800       .000       .000
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          UPSTREAM END OF POND 1 SPILLWAY CREST
X1    867.780      4.000    475.100    527.000     77.000     77.000     77.000       .000       .000      1.000
GR   1367.700    475.100   1359.200    492.000   1359.200    508.000   1368.700    527.000       .000       .000

          UPSTREAM END OF POND 1 SPILLWAY TOP
X1    867.790      4.000    475.100    527.000      1.000      1.000      1.000       .000       .000      1.000
GR   1368.700    473.000   1359.200    492.000   1359.200    508.000   1368.700    527.000       .000       .000

          GRADE BREAK BELOW DIVERSION STRUCTURE FOR POND 1
X1    871.400      4.000    474.000    527.000    361.000    361.000    361.000       .000       .000      1.000
GR   1370.300    474.000   1361.300    492.000   1361.300    508.000   1370.800    527.000       .000       .000

          DOWNSTREAM END OF TRANSITION SECTION BELOW POND 1
X1    871.730      4.000    474.000    526.000     33.000     33.000     33.000       .000       .000      1.000
GR   1370.400    474.000   1361.390    492.000   1361.390    508.000   1370.400    526.000       .000       .000

          UPSTREAM END OF TRANSITION SECTION BELOW POND 1
X1    871.830      4.000    474.700    525.500     10.000     10.000     10.000       .000       .000      1.000
GR   1370.400    474.700   1361.410    490.000   1361.410    510.000   1370.500    525.500       .000       .000

          FLOW CONSTRICTOR FOR POND 1
X1    871.930      4.000    474.600    525.400     10.000     10.000     10.000       .000       .000      1.000
GR   1370.500    474.600   1361.430    490.000   1361.430    510.000   1370.500    525.400       .000       .000

SB       .000      1.560      2.560       .000     20.000       .000    142.500      1.700       .000       .000
          UPSTREAM SIDE OF CHANNEL CONSTRICTOR
X1    871.970      4.000    474.600    525.400      4.000      4.000      4.000       .000       .000      1.000
X2       .000       .000      1.000   1366.440   1369.700       .000       .000       .000       .000       .000
BT      4.000    474.600   1369.700   1366.440    490.000   1369.700   1366.440    510.000   1369.700   1366.440
BT    525.400   1369.700   1366.440       .000       .000       .000       .000       .000       .000       .000
GR   1370.500    474.600   1361.440    490.000   1361.440    510.000   1370.500    525.400       .000       .000

          NEW FLOW AT DOWNSTREAM END OF WEIR (Q=DET2)
X1    872.020      4.000    474.600    525.400      5.000      5.000      5.000       .000       .000      1.000
X2   1424.000       .000       .000       .000       .000       .000       .000       .000       .000       .000
GR   1370.500    474.600   1361.450    490.000   1361.450    510.000   1370.500    525.400       .000       .000

          DOWNSTREAM END OF TRANSITION ABOVE DIVERSION FOR POND 1
X1    872.370      4.000    474.500    525.500     60.000     60.000     60.000       .000       .000      1.000
GR   1370.600    474.500   1361.510    490.000   1361.510    510.000   1370.600    525.500       .000       .000

          UPSTREAM END OF TRANSITION ABOVE DIVERSION FOR POND 1
X1    872.470      4.000    473.900    526.100     10.000     10.000     10.000       .000       .000      1.000
GR   1370.600    473.900   1361.530    492.000   1361.530    508.000   1370.600    526.100       .000       .000

          SLOPE BREAK ABOVE TRANSITION SECTION FOR POND 1
X1    873.000      4.000    473.000    527.000     53.000     53.000     53.000       .000       .000      1.000
GR   1371.100    473.000   1361.640    492.000   1361.640    508.000   1371.100    527.000       .000       .000
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          SLOPE BREAK BELOW TRANSITION SECTION FOR POND 2
X1    878.390      4.000    473.000    527.000     39.000     39.000     39.000       .000       .000      1.000
GR   1374.300    473.000   1364.760    492.000   1364.760    508.000   1374.300    527.000       .000       .000

          DOWNSTREAM END OF TRANSITION SECTION BELOW POND 2
X1    878.850      4.000    472.900    527.100     46.000     46.000     46.000       .000       .000      1.000
GR   1374.400    472.900   1364.850    492.000   1364.850    508.000   1374.400    527.100       .000       .000

          UPSTREAM END OF TRANSITION SECTION BELOW POND 2
X1    878.950      4.000    473.800    526.200     10.000     10.000     10.000       .000       .000      1.000
GR   1374.400    473.800   1364.870    490.000   1364.870    510.000   1374.400    526.200       .000       .000

          FLOW CONSTRICTOR FOR POND 2
X1    879.050      4.000    473.700    526.300     10.000     10.000     10.000       .000       .000      1.000
GR   1374.500    473.700   1364.890    490.000   1364.890    510.000   1374.500    526.300       .000       .000

SB       .000      1.560      2.560       .000     20.000       .000    161.400      1.700       .000       .000
          UPSTREAM SIDE OF FLOW CONSTRICTOR FOR POND 2
X1    879.090      4.000    473.700    526.300      4.000      4.000      4.000       .000       .000      1.000
X2       .000       .000      1.000   1370.400   1373.480       .000       .000       .000       .000       .000
BT      4.000    473.700   1373.480   1370.400    490.000   1373.480   1370.400    510.000   1373.480   1370.400
BT    526.300   1373.480   1370.400       .000       .000       .000       .000       .000       .000       .000
GR   1374.500    473.700   1364.900    490.000   1364.900    510.000   1374.500    526.300       .000       .000

          NEW FLOW AT DOWNSTREAM END OF WEIR (Q=DET3)
X1    879.140      4.000    473.700    526.300      5.000      5.000      5.000       .000       .000      1.000
GR   1374.500    473.700   1364.910    490.000   1364.910    510.000   1374.500    526.300       .000       .000

          MID-POINT OF POND 2 DIVERSION WEIR
X1    879.390      4.000    473.700    526.300     25.000     25.000     25.000       .000       .000      1.000
GR   1374.500    473.700   1364.960    490.000   1364.960    510.000   1374.500    526.300       .000       .000

          UPSTREAM END OF POND 2 DIVERSION WEIR
X1    879.640      4.000    473.700    526.300     25.000     25.000     25.000       .000       .000      1.000
X2   1643.000       .000       .000       .000       .000       .000       .000       .000       .000       .000
GR   1374.500    473.700   1365.010    490.000   1365.010    510.000   1374.500    526.300       .000       .000

          DOWNSTREAM END OF TRANSITION SECTION ABOVE POND 2
X1    879.740      4.000    472.900    527.300     10.000     10.000     10.000       .000       .000      1.000
GR   1375.100    472.900   1365.030    490.000   1365.030    510.000   1375.200    527.300       .000       .000

          UPSTREAM END OF TRANSITION SECTION ABOVE POND 2
X1    879.840      4.000    471.900    528.500     10.000     10.000     10.000       .000       .000      1.000
GR   1375.100    471.900   1365.050    492.000   1365.050    508.000   1375.300    528.500       .000       .000

          SLOPE BREAK ABOVE THE TRANSITION ABOVE POND 2
X1    879.990      4.000    473.000    527.000     15.000     15.000     15.000       .000       .000      1.000
GR   1374.600    473.000   1365.080    492.000   1365.080    508.000   1374.600    527.000       .000       .000
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          SLOPE BREAK BELOW TRANSITION FOR 72nd BOX
X1    883.000      4.000    473.000    527.000    301.000    301.000    301.000       .000       .000      1.000
GR   1379.000    473.000   1369.540    492.000   1369.540    508.000   1379.000    527.000       .000       .000

          DOWNSTREAM END OF TRANSITION SECTION FOR 72nd BOX
X1    883.480      4.000    473.000    527.000     48.000     48.000     48.000       .000       .000      1.000
GR   1379.200    473.000   1369.800    492.000   1369.800    508.000   1379.200    527.000       .000       .000

          UPSTREAM END OF TRANSITION FOR 72nd BOX (AT BOX)
X1    883.730      4.000    487.500    512.500     25.000     25.000     25.000       .000       .000      1.000
GR   1379.500    487.500   1369.980    487.500   1369.980    512.500   1379.500    512.500       .000       .000

SB      1.250      1.560      2.560       .000     25.000      1.000    192.000       .000   1370.890   1369.980
          UPSTREAM END OF 72nd STREET BOX CULVERT
X1    885.110      4.000    487.500    512.500    138.000    138.000    138.000       .000       .000      1.000
X2       .000       .000      1.000   1378.890   1379.890       .000       .000       .000       .000       .000
BT      4.000    475.000   1379.890   1378.890    487.500   1379.890   1378.890    512.500   1379.890   1378.890
BT    525.000   1379.890   1378.890       .000       .000       .000       .000       .000       .000       .000
GR   1380.400    487.500   1370.890    487.500   1370.890    512.500   1380.400    512.500       .000       .000

          UPSTREAM END OF TRANSITION SECTION ABOVE 72nd BOX
X1    885.370      4.000    475.000    525.000     26.000     26.000     26.000       .000       .000      1.000
GR   1380.700    475.000   1371.020    494.000   1371.020    506.000   1380.700    525.000       .000       .000

          SLOPE BREAK BELOW DIVERSION STRUCTURE FOR POND 3
X1    889.450      4.000    475.000    525.000    393.000    393.000    393.000       .000       .000      1.000
GR   1382.700    475.000   1373.220    494.000   1373.220    506.000   1382.700    525.000       .000       .000

          DOWNSTREAM END OF TRANSITION SECTION BELOW POND 3
X1    889.880      4.000    474.200    526.400     43.000     43.000     43.000       .000       .000      1.000
GR   1383.200    474.200   1373.310    494.000   1373.310    506.000   1383.500    526.400       .000       .000

          UPSTREAM END OF TRANSITION SECTION BELOW POND 3
X1    889.980      4.000    474.000    526.300     10.000     10.000     10.000       .000       .000      1.000
GR   1383.300    474.000   1373.330    490.000   1373.330    510.000   1383.500    526.300       .000       .000

          FLOW CONSTRICTOR FOR POND 3
X1    890.080      4.000    473.600    526.400     10.000     10.000     10.000       .000       .000      1.000
GR   1383.600    473.600   1373.350    490.000   1373.350    510.000   1383.600    526.400       .000       .000

SB       .000      1.560      2.560       .000     20.000       .000    205.800      1.600       .000       .000
          UPSTREAM SIDE OF FLOW CONSTRICTOR FOR POND 3
X1    890.120      4.000    473.600    526.400      4.000      4.000      4.000       .000       .000      1.000
X2       .000       .000      1.000   1380.050   1383.130       .000       .000       .000       .000       .000
BT      4.000    473.600   1383.130   1380.050    490.000   1383.130   1380.050    510.000   1383.130   1380.050
BT    526.400   1383.130   1380.050       .000       .000       .000       .000       .000       .000       .000
GR   1383.600    473.600   1373.350    490.000   1373.350    510.000   1383.600    526.400       .000       .000
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          NEW FLOW AT DOWNSTREAM END OF WEIR (Q=C035)
X1    890.170      4.000    473.600    526.400      5.000      5.000      5.000       .000       .000      1.000
X2   1847.000       .000       .000       .000       .000       .000       .000       .000       .000       .000
GR   1383.600    473.600   1373.360    490.000   1373.360    510.000   1383.600    526.400       .000       .000

          DOWNSTREAM END OF TRANSITION SECTION ABOVE POND 3
X1    890.770      4.000    473.200    526.800     60.000     60.000     60.000       .000       .000      1.000
GR   1384.000    473.200   1373.510    490.000   1373.510    510.000   1384.000    526.800       .000       .000

          UPSTREAM END OF TRANSITION SECTION ABOVE POND 3
X1    890.870      4.000    472.900    527.100     10.000     10.000     10.000       .000       .000      1.000
GR   1384.100    472.900   1373.530    494.000   1373.530    506.000   1384.100    527.100       .000       .000

          SLOPE BREAK ABOVE TRANSITION SECTION FOR POND 3
X1    891.030      4.000    475.000    525.000      6.000      6.000      6.000       .000       .000      1.000
GR   1383.000    475.000   1373.540    494.000   1373.540    506.000   1383.000    525.000       .000       .000

          72nd STREET CHANNEL (Q=DET4)
X1    891.590      4.000    475.000    525.000     58.000     58.000     58.000       .000       .000      1.000
X2   1109.000       .000       .000       .000       .000       .000       .000       .000       .000       .000
GR   1383.800    475.000   1374.270    494.000   1374.270    506.000   1383.800    525.000       .000       .000

          SLOPE BREAK BELOW DIVERSION STRUCTURE FOR POND 4
X1    896.450      4.000    475.000    525.000    503.000    503.000    503.000       .000       .000      1.000
GR   1388.400    475.000   1378.900    494.000   1378.900    506.000   1388.400    525.000       .000       .000

          DOWNSTREAM END OF TRANSITION SECTION BELOW POND 4
X1    896.680      4.000    475.900    526.100     23.000     23.000     23.000       .000       .000      1.000
GR   1388.000    475.900   1378.950    494.000   1378.950    506.000   1389.000    526.100       .000       .000

          UPSTREAM END OF TRANSITION SECTION BELOW POND 4
X1    896.780      4.000    475.600    526.200     10.000     10.000     10.000       .000       .000      1.000
GR   1388.000    475.600   1378.970    490.000   1378.970    510.000   1389.100    526.200       .000       .000

          FLOW CONSTRICTOR FOR POND 4
X1    896.880      4.000    475.600    526.300     10.000     10.000     10.000       .000       .000      1.000
GR   1388.000    475.600   1378.990    490.000   1378.990    510.000   1389.200    526.300       .000       .000

SB       .000      1.560      2.560       .000     20.000       .000    159.500      1.600       .000       .000
          UPSTREAM SIDE OF FLOW CONSTRICTOR FOR POND 4
X1    896.920      4.000    475.400    526.300      4.000      4.000      4.000       .000       .000      1.000
X2       .000       .000      1.000   1384.530   1387.610       .000       .000       .000       .000       .000
BT      4.000    475.400   1387.610   1384.530    490.000   1387.610   1384.530    510.000   1387.610   1384.530
BT    526.300   1387.610   1384.530       .000       .000       .000       .000       .000       .000       .000
GR   1388.100    475.400   1379.000    490.000   1379.000    510.000   1389.200    526.300       .000       .000

          NEW FLOW AT DOWNSTREAM END OF WEIR (Q=DET5)
X1    896.970      4.000    475.500    526.300      5.000      5.000      5.000       .000       .000      1.000
X2   1290.000       .000       .000       .000       .000       .000       .000       .000       .000       .000
GR   1388.100    475.500   1379.010    490.000   1379.010    510.000   1389.200    526.300       .000       .000
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          DOWNSTREAM END OF TRANSITION SECTION ABOVE POND 4
X1    897.570      4.000    475.000    526.300     60.000     60.000     60.000       .000       .000      1.000
GR   1388.500    475.000   1379.130    490.000   1379.130    510.000   1389.500    526.300       .000       .000

          UPSTREAM END OF TRANSITION SECTION ABOVE POND 4
X1    897.670      4.000    475.300    526.700     10.000     10.000     10.000       .000       .000      1.000
GR   1388.500    475.300   1379.150    494.000   1379.150    506.000   1389.500    526.700       .000       .000

          SLOPE BREAK ABOVE TRANSITION SECTION FOR POND 4
X1    898.030      4.000    475.000    525.000     36.000     36.000     36.000       .000       .000      1.000
GR   1388.700    475.000   1379.220    494.000   1379.220    506.000   1388.700    525.000       .000       .000

          SLOPE BREAK BELOW DIVERSION STRUCTURE FOR POND 5
X1    902.440      4.000    475.000    525.000    441.000    441.000    441.000       .000       .000      1.000
GR   1392.100    475.000   1382.550    494.000   1382.550    506.000   1392.100    525.000       .000       .000

          DOWNSTREAM END OF TRANSITION SECTION BELOW POND 5
X1    902.620      4.000    475.600    522.800     18.000     18.000     18.000       .000       .000      1.000
GR   1391.800    475.600   1382.590    494.000   1382.590    506.000   1391.000    522.800       .000       .000

          UPSTREAM END OF TRANSITION SECTION BELOW POND 5
X1    902.720      4.000    475.100    523.400     10.000     10.000     10.000       .000       .000      1.000
GR   1391.900    475.100   1382.610    490.000   1382.610    510.000   1391.000    523.400       .000       .000

          FLOW CONSTRICTOR FOR POND 5
X1    902.820      4.000    475.000    524.200     10.000     10.000     10.000       .000       .000      1.000
GR   1392.000    475.000   1382.620    490.000   1382.620    510.000   1391.500    524.200       .000       .000

SB       .000      1.560      2.560       .000     20.000       .000    177.600      1.600       .000       .000
          UPSTREAM SIDE OF FLOW CONSTRICTOR FOR POND 5
X1    902.860      4.000    475.000    524.200      4.000      4.000      4.000       .000       .000      1.000
X2       .000       .000      1.000   1388.630   1391.710       .000       .000       .000       .000       .000
BT      4.000    475.000   1391.710   1388.630    490.000   1391.710   1388.630    510.000   1391.710   1388.630
BT    524.200   1391.710   1388.630       .000       .000       .000       .000       .000       .000       .000
GR   1392.000    475.000   1382.630    490.000   1382.630    510.000   1391.500    524.200       .000       .000

          NEW FLOW AT DOWNSTREAM END OF WEIR (Q=C033A)
X1    902.910      4.000    475.000    524.200      5.000      5.000      5.000       .000       .000      1.000
X2   1506.000       .000       .000       .000       .000       .000       .000       .000       .000       .000
GR   1392.000    475.000   1382.640    490.000   1382.640    510.000   1391.500    524.200       .000       .000

          DOWNSTREAM END OF TRANSITION SECTION ABOVE POND 5
X1    903.900      4.000    474.200    526.300     99.000     99.000     99.000       .000       .000      1.000
GR   1392.700    474.200   1382.840    490.000   1382.840    510.000   1393.000    526.300       .000       .000

          UPSTREAM END OF TRANSITION SECTION ABOVE POND 5
X1    904.000      4.000    474.300    526.300     10.000     10.000     10.000       .000       .000      1.000
GR   1392.700    474.300   1382.860    494.000   1382.860    510.000   1393.000    526.300       .000       .000
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          EDGE OF SOSSAMAN ROAD CHANNEL (Q=DET6)
X1    904.010      4.000    475.000    525.000      1.000      1.000      1.000       .000       .000      1.000
X2    887.000       .000       .000       .000       .000       .000       .000       .000       .000       .000
GR   1392.400    475.000   1382.860    494.000   1382.860    506.000   1392.400    525.000       .000       .000

          SLOPE BREAK ABOVE TRANSITION SECTION FOR POND 5
X1    904.040      4.000    475.000    525.000      3.000      3.000      3.000       .000       .000      1.000
GR   1392.400    475.000   1382.870    494.000   1382.870    506.000   1392.400    525.000       .000       .000

          SLOPE BREAK BELOW DIVERSION STRUCTURE FOR POND 6
X1    906.440      4.000    475.000    525.000    240.000    240.000    240.000       .000       .000      1.000
GR   1395.700    475.000   1386.150    494.000   1386.150    506.000   1395.700    525.000       .000       .000

          DOWNSTREAM END OF TRANSITION SECTION BELOW POND 6
X1    906.560      4.000    477.300    520.700     12.000     12.000     12.000       .000       .000      1.000
GR   1394.500    477.300   1386.170    494.000   1386.170    506.000   1393.500    520.700       .000       .000

          UPSTREAM END OF TRANSITION SECTION BELOW POND 6
X1    906.660      4.000    476.500    521.700     10.000     10.000     10.000       .000       .000      1.000
GR   1394.600    476.500   1386.190    490.000   1386.190    510.000   1393.500    521.700       .000       .000

          FLOW CONSTRICTOR FOR POND 6
X1    906.760      4.000    476.400    521.800     10.000     10.000     10.000       .000       .000      1.000
GR   1394.700    476.400   1386.210    490.000   1386.210    510.000   1393.600    521.800       .000       .000

SB       .000      1.560      2.560       .000     20.000       .000    132.900      1.600       .000       .000
          UPSTREAM SIDE OF FLOW CONSTRICTOR FOR POND 6
X1    906.800      4.000    476.400    521.800      4.000      4.000      4.000       .000       .000      1.000
X2       .000       .000      1.000   1391.020   1394.100       .000       .000       .000       .000       .000
BT      4.000    476.400   1394.100   1391.020    490.000   1394.100   1391.020    510.000   1394.100   1391.020
BT    521.800   1394.100   1391.020       .000       .000       .000       .000       .000       .000       .000
GR   1394.700    476.400   1386.220    490.000   1386.220    510.000   1393.600    521.800       .000       .000

          NEW FLOW AT DOWNSTREAM END OF WEIR (Q=DET7)
X1    906.850      4.000    476.400    521.800      5.000      5.000      5.000       .000       .000      1.000
X2   1065.000       .000       .000       .000       .000       .000       .000       .000       .000       .000
GR   1394.700    476.400   1386.230    490.000   1386.230    510.000   1393.600    521.800       .000       .000

          DOWNSTREAM END OF TRANSITION SECTION ABOVE POND 6
X1    907.450      4.000    476.000    522.100     60.000     60.000     60.000       .000       .000      1.000
GR   1395.100    476.000   1386.350    490.000   1386.350    510.000   1393.900    522.100       .000       .000

          UPSTREAM END OF TRANSITION SECTION ABOVE POND 6
X1    907.550      4.000    476.300    521.300     10.000     10.000     10.000       .000       .000      1.000
GR   1395.200    476.300   1386.370    494.000   1386.370    506.000   1394.000    521.300       .000       .000

          SLOPE BREAK ABOVE TRANSITION SECTION FOR POND 6
X1    908.040      4.000    475.000    521.800     49.000     49.000     49.000       .000       .000      1.000
GR   1396.000    475.000   1386.470    494.000   1386.470    506.000   1396.000    521.800       .000       .000
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          SLOPE BREAK BELOW DIVERSION STRUCTURE FOR POND 7
X1    912.440      4.000    475.000    521.800    440.000    440.000    440.000       .000       .000      1.000
GR   1399.100    475.000   1389.580    494.000   1389.580    506.000   1399.100    521.800       .000       .000

          DOWNSTREAM END OF TRANSITION SECTION BELOW POND 7
X1    912.710      4.000    479.300    520.900     27.000     27.000     27.000       .000       .000      1.000
GR   1397.000    479.300   1389.630    494.000   1389.630    506.000   1397.100    520.900       .000       .000

          UPSTREAM END OF TRANSITION SECTION BELOW POND 7
X1    912.810      4.000    478.100    522.100     10.000     10.000     10.000       .000       .000      1.000
GR   1397.100    478.100   1389.650    490.000   1389.650    510.000   1397.200    522.100       .000       .000

          FLOW CONSTRICTOR FOR POND 7
X1    912.910      4.000    478.000    522.200     10.000     10.000     10.000       .000       .000       .000
GR   1397.200    478.000   1389.670    490.000   1389.670    510.000   1397.300    522.200       .000       .000

SB       .000      1.560      2.560       .000     20.000       .000    141.400      1.600       .000       .000
          UPSTREAM SIDE OF FLOW CONSTRICTOR FOR POND 7
X1    912.950      4.000    478.000    522.200      4.000      4.000      4.000       .000       .000      1.000
X2       .000       .000      1.000   1394.720   1397.800       .000       .000       .000       .000       .000
BT      4.000    478.000   1397.800   1394.720    490.000   1397.800   1394.720    510.000   1397.800   1394.720
BT    522.200   1397.800   1394.720       .000       .000       .000       .000       .000       .000       .000
GR   1397.200    478.000   1389.680    490.000   1389.680    510.000   1397.300    522.200       .000       .000

          NEW FLOW AT DOWNSTREAM END OF WEIR (Q=CO32)
X1    913.000      4.000    478.000    522.200      5.000      5.000      5.000       .000       .000      1.000
X2   1375.000       .000       .000       .000       .000       .000       .000       .000       .000       .000
GR   1397.200    478.000   1389.690    490.000   1389.690    510.000   1397.300    522.200       .000       .000

          DOWNSTREAM END OF TRANSITION SECTION ABOVE POND 7
X1    913.600      4.000    477.700    522.500     60.000     60.000     60.000       .000       .000      1.000
GR   1397.500    477.700   1389.810    490.000   1389.810    510.000   1397.600    522.500       .000       .000

          UPSTREAM END OF TRANSITION SECTION ABOVE POND 7
X1    913.700      4.000    478.500    521.700     10.000     10.000     10.000       .000       .000      1.000
GR   1397.600    478.500   1389.830    494.000   1389.830    506.000   1397.700    521.700       .000       .000

          DOWNSTREAM END OF TRANSITION FOR SOSSAMAN RD. BOX
X1    916.610      4.000    475.000    525.000    343.000    343.000    343.000       .000       .000      1.000
GR   1400.000    475.000   1390.540    494.000   1390.540    506.000   1400.000    525.000       .000       .000

          DOWNSTREAM END OF SOSSAMAN ROAD BOX (Q=CO31)
X1    916.960      4.000    489.500    510.500     35.000     35.000     35.000       .000       .000      1.000
X2   1175.000       .000       .000       .000       .000       .000       .000       .000       .000       .000
GR   1399.500    489.500   1392.990    489.500   1392.990    510.500   1399.500    510.500       .000       .000

SB      1.250      1.560      2.560       .000     21.000      1.000    120.000       .000   1394.120   1392.990
          UPSTREAM END OF SOSSAMAN RD. BOX
X1    918.640      4.000    489.500    510.500    168.000    168.000    168.000       .000       .000      1.000
X2       .000       .000      1.000   1400.120   1401.120       .000       .000       .000       .000       .000
BT      4.000    475.000   1401.120   1400.120    489.500   1401.120   1400.120    510.500   1401.120   1400.120
BT    525.000   1401.120   1400.120       .000       .000       .000       .000       .000       .000       .000
GR   1400.500    489.500   1394.120    489.500   1394.120    510.500   1400.500    510.500       .000       .000
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UPSTREAM END OF TRANSITION SECTION ABOVE SOSSAMAN RD.

X1	919.050	4.000	475.000	525.000	41.000	41.000	41.000	.000	.000	1.000
GR	1403.900	475.000	1394.390	494.000	1394.390	506.000	1403.900	525.000	.000	.000

SLOPE BREAK AT BEGINING OF ACCESS RAMP

X1	927.010	4.000	475.000	525.000	797.000	797.000	797.000	.000	.000	1.000
GR	1409.200	475.000	1399.730	494.000	1399.730	506.000	1409.200	525.000	.000	.000
X1	928.060	4.000	475.000	525.000	105.000	105.000	105.000	.000	.000	1.000
GR	1409.500	475.000	1399.990	494.000	1399.990	506.000	1409.500	525.000	.000	.000
EJ	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

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CROSS SECTION    816.16
STREAM   Q=100 YEAR
DISCHARGE=     1667.

PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

ELEV 1327.     1328.     1329.     1330.     1331.     1332.     1333.     1334.     1335.     1336.     1337.

    STA-FEET

 2 475. .         .         .         .         .         .         .         .         .         .         . X   BANKE
   477. .         .         .         .         .         .         .         .         .         . X       .     W  E
   479. .         .         .         .         .         .         .         .         . X       .         .     W  E
   481. .         .         .         .         .         .         .         . X       .         .         .     W  E
   483. .         .         .         .         .         .         . X     C .         .         .         .     W  E
   485. .         .         .         .         .         . X       .       C .         .         .         .     W  E
   487. .         .         .         .         . X       .         .       C .         .         .         .     W  E
   489. .         .         .         . X       .         .         .       C .         .         .         .     W  E
   491. .         .         . X       .         .         .         .       C .         .         .         .     W  E
 3 493. .     X   .         .         .         .         .         .       C .         .         .         .     W  E
   495. .     X   .         .         .         .         .         .       C .         .         .         .     W  E
   497. .     X   .         .         .         .         .         .       C .         .         .         .     W  E
   499. .     X   .         .         .         .         .         .       C .         .         .         .     W  E
   501. .     X   .         .         .         .         .         .       C .         .         .         .     W  E
   503. .     X   .         .         .         .         .         .       C .         .         .         .     W  E
 4 505. .     X   .         .         .         .         .         .       C .         .         .         .     W  E
   507. .         .     X   .         .         .         .         .       C .         .         .         .     W  E
   509. .         .         .     X   .         .         .         .       C .         .         .         .     W  E
   511. .         .         .         .     X   .         .         .       C .         .         .         .     W  E
   513. .         .         .         .         .     X   .         .       C .         .         .         .     W  E
   515. .         .         .         .         .         .     X   .       C .         .         .         .     W  E
   517. .         .         .         .         .         .         .       X .         .         .         .     W  E
   519. .         .         .         .         .         .         .         .         . X       .         .     W  E
   521. .         .         .         .         .         .         .         .         .         . X       .     W  E
   523. .         .         .         .         .         .         .         .         .         .     X   .     W  E
 5 525. .         .         .         .         .         .         .         .         .         .         . X   BANKE

NRD=       0 ELLC=  9999999.00 ELTRD=  9999999.00

  EL(I),STA(I)
    1337.20      475.00     1327.70      494.00     1327.70      506.00     1337.20      525.00
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CROSS SECTION    843.15
STREAM   Q=100 YEAR
DISCHARGE=     1667.

PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

ELEV 1335.     1336.     1337.     1338.     1339.     1340.     1341.     1342.     1343.     1344.     1345.

   STA-FEET

 2 475. .         .         .         .         .         .         .         .         .         .         X .     BANK.
   477. .         .         .         .         .         .         .         .         .         X .         .         .
   479. .         .         .         .         .         .         .         .         X .   E     .         .         .
   481. .         .         .         .         .         .         .         X .         .   E     .         .         .
   483. .         .         .         .         .         .         X .   W     .         .   E     .         .         .
   485. .         .         .         .         .         X .         .   W     .         .   E     .         .         .
   487. .         .         .         .         X .         .         .   W     .         .   E     .         .         .
   489. .         .         .         X .         .         .         .   W     .         .   E     .         .         .
   491. .         .         X .         .         .         .         .   W     .         .   E     .         .         .
 3 493. .   X     .         .         .         .         .         .   W     .         .   E     .         .         .
   495. .   X     .         .         .         .         .         .   W     .         .   E     .         .         .
   497. .   X     .         .         .         .         .         .   W     .         .   E     .         .         .
   499. .   X     .         .         .         .         .         .   W     .         .   E     .         .         .
   501. .   X     .         .         .         .         .         .   W     .         .   E     .         .         .
   503. .   X     .         .         .         .         .         .   W     .         .   E     .         .         .
 4 505. .   X     .         .         .         .         .         .   W     .         .   E     .         .         .
   507. .         .   X     .         .         .         .         .   W     .         .   E     .         .         .
   509. .         .         .   X     .         .         .         .   W     .         .   E     .         .         .
   511. .         .         .         .   X     .         .         .   W     .         .   E     .         .         .
   513. .         .         .         .         .   X     .         .   W     .         .   E     .         .         .
   515. .         .         .         .         .         .   X     .   W     .         .   E     .         .         .
   517. .         .         .         .         .         .         .   X     .         .   E     .         .         .
   519. .         .         .         .         .         .         .         .   X     .   E     .         .         .
   521. .         .         .         .         .         .         .         .         .  XE     .         .         .
   523. .         .         .         .         .         .         .         .         .         .   X     .         .
 5 525. .         .         .         .         .         .         .         .         .         .         X .     BANK.

NRD=       0 ELLC=  9999999.00 ELTRD=  9999999.00

  EL(I),STA(I)
    1344.80      475.00     1335.30      494.00     1335.30      506.00     1344.80      525.00
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CROSS SECTION    846.00
STREAM   Q=100 YEAR
DISCHARGE=     1667.

PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

ELEV 1336.     1337.     1338.     1339.     1340.     1341.     1342.     1343.     1344.     1345.     1346.

    STA-FEET

 2 475. .         .         .         .         .         .         .         .         .         .         X .     BANK.
   477. .         .         .         .         .         .         .         .         .         X         .         .
   479. .         .         .         .         .         .         .         .         X . E     .         .         .
   481. .         .         .         .         .         .         .         X         . E       .         .         .
   483. .         .         .         .         .         .         X . W     .         . E       .         .         .
   485. .         .         .         .         .         X         . W       .         . E       .         .         .
   487. .         .         .         .         X         .         . W       .         . E       .         .         .
   489. .         .         .         X         .         .         . W       .         . E       .         .         .
   491. .         .         X         .         .         .         . W       .         . E       .         .         .
 3 493. . X       .         .         .         .         .         . W       .         . E       .         .         .
   495. . X       .         .         .         .         .         . W       .         . E       .         .         .
   497. . X       .         .         .         .         .         . W       .         . E       .         .         .
   499. . X       .         .         .         .         .         . W       .         . E       .         .         .
   501. . X       .         .         .         .         .         . W       .         . E       .         .         .
   503. . X       .         .         .         .         .         . W       .         . E       .         .         .
 4 505. . X       .         .         .         .         .         . W       .         . E       .         .         .
   507. .         . X       .         .         .         .         . W       .         . E       .         .         .
   509. .         .         . X       .         .         .         . W       .         . E       .         .         .
   511. .         .         .         . X       .         .         . W       .         . E       .         .         .
   513. .         .         .         .         . X       .         . W       .         . E       .         .         .
   515. .         .         .         .         .         . X       . W       .         . E       .         .         .
   517. .         .         .         .         .         .         . X       .         . E       .         .         .
   519. .         .         .         .         .         .         .         . X       . E       .         .         .
   521. .         .         .         .         .         .         .         .         . XE      .         .         .
   523. .         .         .         .         .         .         .         .         .         . X       .         .
 5 525. .         .         .         .         .         .         .         .         .         .         X .     BANK.

NRD=       0 ELLC=  9999999.00 ELTRD=  9999999.00

  EL(I),STA(I)
    1345.70      475.00     1336.20      494.00     1336.20      506.00     1345.70      525.00
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CROSS SECTION    847.40
STREAM   Q=100 YEAR
DISCHARGE=     1667.

PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

ELEV 1336.     1337.     1338.     1339.     1340.     1341.     1342.     1343.     1344.     1345.     1346.

   STA-FEET

 2 475. .         .         .         .         .         .         .         .         .         .         . X   BANK.
   477. .         .         .         .         .         .         .         .         .         . X       .         .
   479. .         .         .         .         .         .         .         .         . X     E .         .         .
   481. .         .         .         .         .         .         .         . X       .     E .         .         .
   483. .         .         .         .         .         .         . X     W .         .     E .         .         .
   485. .         .         .         .         .         . X       .     W .         .     E .         .         .
   487. .         .         .         .         . X       .         .     W .         .     E .         .         .
   489. .         .         .         . X       .         .         .     W .         .     E .         .         .
   491. .         .         . X       .         .         .         .     W .         .     E .         .         .
 3 493. .     X   .         .         .         .         .         .     W .         .     E .         .         .
   495. .     X   .         .         .         .         .         .     W .         .     E .         .         .
   497. .     X   .         .         .         .         .         .     W .         .     E .         .         .
   499. .     X   .         .         .         .         .         .     W .         .     E .         .         .
   501. .     X   .         .         .         .         .         .     W .         .     E .         .         .
   503. .     X   .         .         .         .         .         .     W .         .     E .         .         .
 4 505. .     X   .         .         .         .         .         .     W .         .     E .         .         .
   507. .         .     X   .         .         .         .         .     W .         .     E .         .         .
   509. .         .         .     X   .         .         .         .     W .         .     E .         .         .
   511. .         .         .         .     X   .         .         .     W .         .     E .         .         .
   513. .         .         .         .         .     X   .         .     W .         .     E .         .         .
   515. .         .         .         .         .         .     X   .     W .         .     E .         .         .
   517. .         .         .         .         .         .         .     X .         .     E .         .         .
   519. .         .         .         .         .         .         .         .     X   .     E .         .         .
   521. .         .         .         .         .         .         .         .         .    XE .         .         .
   523. .         .         .         .         .         .         .         .         .         .     X   .         .
 5 525. .         .         .         .         .         .         .         .         .         .         . X   BANK.

NRD=       0 ELLC=  9999999.00 ELTRD=  9999999.00

  EL(I),STA(I)
    1346.20      475.00      1336.70      494.00      1336.70      506.00      1346.20      525.00
```

```
CROSS SECTION    848.47
STREAM   Q=100 YEAR
DISCHARGE=     1656.

PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

ELEV 1338.     1339.     1340.     1341.     1342.     1343.     1344.     1345.     1346.     1347.     1348.

   STA-FEET

 2 475. .         .         .         .         .         .         .         .         .         .         X .     BANK.
   477. .         .         .         .         .         .         .         .         .         X .         .         .
   479. .         .         .         .         .         .         .         .         X . E     .         .         .
   481. .         .         .         .         .         .         .         X . E     .         .         .         .
   483. .         .         .         .         .         .         X . W     .         .         .         .         .
   485. .         .         .         .         .         X . W     .         .         .         .         .         .
   487. .         .         .         .         X . W     .         .         .         .         .         .         .
   489. .         .         .         X . W     .         .         .         .         .         .         .         .
   491. .         .         X . W     .         .         .         .         .         .         .         .         .
 3 493. . X       .         .         .         .         .         .         .         .         .         .         .
   495. . X       .         .         .         .         .         .         .         .         .         .         .
   497. . X       .         .         .         .         .         .         .         .         .         .         .
   499. . X       .         .         .         .         .         .         .         .         .         .         .
   501. . X       .         .         .         .         .         .         .         .         .         .         .
   503. . X       .         .         .         .         .         .         .         .         .         .         .
 4 505. . X       .         .         .         .         .         .         .         .         .         .         .
   507. .         . X       .         .         .         .         .         .         .         .         .         .
   509. .         .         . X       .         .         .         .         .         .         .         .         .
   511. .         .         .         . X       .         .         .         .         .         .         .         .
   513. .         .         .         .         . X       .         .         .         .         .         .         .
   515. .         .         .         .         .         . X       .         .         .         .         .         .
   517. .         .         .         .         .         .         . X       .         .         .         .         .
   519. .         .         .         .         .         .         .         . X       .         .         .         .
   521. .         .         .         .         .         .         .         .         . XE      .         .         .
   523. .         .         .         .         .         .         .         .         .         . X       .         .
 5 525. .         .         .         .         .         .         .         .         .         .         X .     BANK.

NRD=       0 ELLC=  9999999.00 ELTRD=  9999999.00

  EL(I),STA(I)
    1347.70      475.00     1338.23      494.00     1338.23      506.00     1347.70      525.00
```

```
CROSS SECTION    850.40
STREAM   Q=100 YEAR
DISCHARGE=     1656.

PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

ELEV 1341.     1342.     1343.     1344.     1345.     1346.     1347.     1348.     1349.     1350.     1351.

   STA-FEET

 2 475. .         .         .         .         .         .                   .         .         .   X     .     BANK.
   477. .         .         .         .         .         .                   .         .   X     .         .        .
   479. .         .         .         .         .         .                   .   X     .E        .         .        .
   481. .         .         .         .         .         .             X     .         .E        .         .        .
   483. .         .         .         .         .         .   X     W         .         .E        .         .        .
   485. .         .         .         .         .   X     .         W         .         .E        .         .        .
   487. .         .         .         .   X     .         .         W         .         .E        .         .        .
   489. .         .         .   X     .         .         .         W         .         .E        .         .        .
   491. .         .   X     .         .         .         .         W         .         .E        .         .        .
 3 493. X         .         .         .         .         .         W         .         .E        .         .        .
   495. X         .         .         .         .         .         W         .         .E        .         .        .
   497. X         .         .         .         .         .         W         .         .E        .         .        .
   499. X         .         .         .         .         .         W         .         .E        .         .        .
   501. X         .         .         .         .         .         W         .         .E        .         .        .
   503. X         .         .         .         .         .         W         .         .E        .         .        .
 4 505. X         .         .         .         .         .         W         .         .E        .         .        .
   507. .         X         .         .         .         .         W         .         .E        .         .        .
   509. .         .         X         .         .         .         W         .         .E        .         .        .
   511. .         .         .         X         .         .         W         .         .E        .         .        .
   513. .         .         .         .         X         .         W         .         .E        .         .        .
   515. .         .         .         .         .         X         W         .         .E        .         .        .
   517. .         .         .         .         .         .         X         .         .E        .         .        .
   519. .         .         .         .         .         .                   X         .E        .         .        .
   521. .         .         .         .         .         .                   .         XE        .         .        .
   523. .         .         .         .         .         .                   .         .         X         .        .
 5 525. .         .         .         .         .         .                   .         .         .   X     .     BANK.

NRD=       0 ELLC=  9999999.00 ELTRD=  9999999.00

  EL(I),STA(I)
    1350.50      475.00     1341.00      494.00     1341.00      506.00     1350.50      525.00
```

```
CROSS SECTION    853.40
STREAM   Q=100 YEAR
DISCHARGE=     1656.

PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

ELEV 1345.     1346.     1347.     1348.     1349.     1350.     1351.     1352.     1353.     1354.     1355.


   STA-FEET

 2 475. .         .         .         .         .         .         .         .         .         .         X     BANK.
   477. .         .         .         .         .         .         .         .         .         X         .         .
   479. .         .         .         .         .         .         .         .         X     E   .         .         .
   481. .         .         .         .         .         .         .         X         .     E   .         .         .
   483. .         .         .         .         .         .         X     W   .         .     E   .         .         .
   485. .         .         .         .         .         X         .     W   .         .     E   .         .         .
   487. .         .         .         .         X         .         .     W   .         .     E   .         .         .
   489. .         .         .         X         .         .         .     W   .         .     E   .         .         .
   491. .         .         X         .         .         .         .     W   .         .     E   .         .         .
 3 493. .    X    .         .         .         .         .         .     W   .         .     E   .         .         .
   495. .    X    .         .         .         .         .         .     W   .         .     E   .         .         .
   497. .    X    .         .         .         .         .         .     W   .         .     E   .         .         .
   499. .    X    .         .         .         .         .         .     W   .         .     E   .         .         .
   501. .    X    .         .         .         .         .         .     W   .         .     E   .         .         .
   503. .    X    .         .         .         .         .         .     W   .         .     E   .         .         .
 4 505. .    X    .         .         .         .         .         .     W   .         .     E   .         .         .
   507. .         .    X    .         .         .         .         .     W   .         .     E   .         .         .
   509. .         .         .    X    .         .         .         .     W   .         .     E   .         .         .
   511. .         .         .         .    X    .         .         .     W   .         .     E   .         .         .
   513. .         .         .         .         .    X    .         .     W   .         .     E   .         .         .
   515. .         .         .         .         .         .    X    .     W   .         .     E   .         .         .
   517. .         .         .         .         .         .         .     X   .         .     E   .         .         .
   519. .         .         .         .         .         .         .         .    X    .     E   .         .         .
   521. .         .         .         .         .         .         .         .         .    XE   .         .         .
   523. .         .         .         .         .         .         .         .         .         .    X    .         .
 5 525. .         .         .         .         .         .         .         .         .         .         X     BANK.

NRD=       0 ELLC=  9999999.00 ELTRD=  9999999.00

  EL(I),STA(I)
    1355.00      475.00     1345.50      494.00     1345.50      506.00     1355.00      525.00
```

```
CROSS SECTION    856.60
STREAM   Q=100 YEAR
DISCHARGE=     1656.

PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

ELEV 1350.     1351.     1352.     1353.     1354.     1355.     1356.     1357.     1358.     1359.     1360.


    STA-FEET

 2 475. .         .         .         .         .         .         .         .         .         .         .         X .     BANK.
   477. .         .         .         .         .         .         .         .         .         .         X .         .         .
   479. .         .         .         .         .         .         .         .         .         X . E     .         .         .
   481. .         .         .         .         .         .         .         X .         . E     .         .         .         .
   483. .         .         .         .         .         .         X . W     .         . E     .         .         .         .
   485. .         .         .         .         .         X .         . W     .         . E     .         .         .         .
   487. .         .         .         .         X .         .         . W     .         . E     .         .         .         .
   489. .         .         .         X .         .         .         . W     .         . E     .         .         .         .
   491. .         .         X .         .         .         .         . W     .         . E     .         .         .         .
 3 493. . X       .         .         .         .         .         . W     .         . E     .         .         .         .
   495. . X       .         .         .         .         .         . W     .         . E     .         .         .         .
   497. . X       .         .         .         .         .         . W     .         . E     .         .         .         .
   499. . X       .         .         .         .         .         . W     .         . E     .         .         .         .
   501. . X       .         .         .         .         .         . W     .         . E     .         .         .         .
   503. . X       .         .         .         .         .         . W     .         . E     .         .         .         .
 4 505. . X       .         .         .         .         .         . W     .         . E     .         .         .         .
   507. .         . X       .         .         .         .         . W     .         . E     .         .         .         .
   509. .         .         . X       .         .         .         . W     .         . E     .         .         .         .
   511. .         .         .         . X       .         .         . W     .         . E     .         .         .         .
   513. .         .         .         .         . X       .         . W     .         . E     .         .         .         .
   515. .         .         .         .         .         . X       . W     .         . E     .         .         .         .
   517. .         .         .         .         .         .         . X     .         . E     .         .         .         .
   519. .         .         .         .         .         .         .         . X       . E     .         .         .         .
   521. .         .         .         .         .         .         .         .         . XE    .         .         .         .
   523. .         .         .         .         .         .         .         .         .         . X       .         .         .
 5 525. .         .         .         .         .         .         .         .         .         .         X .     BANK.

NRD=       0 ELLC=  9999999.00 ELTRD=  9999999.00

  EL(I),STA(I)
    1359.70      475.00     1350.20      494.00     1350.20      506.00     1359.70      525.00
```

```
CROSS SECTION    859.60
STREAM   Q=100 YEAR
DISCHARGE=     1656.

PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

ELEV 1354.     1355.     1356.     1357.     1358.     1359.     1360.     1361.     1362.     1363.     1364.

   STA-FEET

 2 475. .         .         .         .         .         .         .         .         .         .         .  X  BANK.
   477. .         .         .         .         .         .         .         .         .         .  X      .         .
   479. .         .         .         .         .         .         .         .         .  X     E.         .         .
   481. .         .         .         .         .         .         .         .  X      .         E.         .         .
   483. .         .         .         .         .         .         .  X    W .         .         E.         .         .
   485. .         .         .         .         .         .  X      .         W .         .         E.         .         .
   487. .         .         .         .         .  X      .         .         W .         .         E.         .         .
   489. .         .         .         .  X      .         .         .         W .         .         E.         .         .
   491. .         .         .  X      .         .         .         .         W .         .         E.         .         .
 3 493. .       X .         .         .         .         .         .         W .         .         E.         .         .
   495. .       X .         .         .         .         .         .         W .         .         E.         .         .
   497. .       X .         .         .         .         .         .         W .         .         E.         .         .
   499. .       X .         .         .         .         .         .         W .         .         E.         .         .
   501. .       X .         .         .         .         .         .         W .         .         E.         .         .
   503. .       X .         .         .         .         .         .         W .         .         E.         .         .
 4 505. .       X .         .         .         .         .         .         W .         .         E.         .         .
   507. .         .       X .         .         .         .         .         W .         .         E.         .         .
   509. .         .         .       X .         .         .         .         W .         .         E.         .         .
   511. .         .         .         .       X .         .         .         W .         .         E.         .         .
   513. .         .         .         .         .       X .         .         W .         .         E.         .         .
   515. .         .         .         .         .         .       X .         W .         .         E.         .         .
   517. .         .         .         .         .         .         .         X .         .         E.         .         .
   519. .         .         .         .         .         .         .         .         .  X      E.         .         .
   521. .         .         .         .         .         .         .         .         .         XE.         .         .
   523. .         .         .         .         .         .         .         .         .         .         X .         .
 5 525. .         .         .         .         .         .         .         .         .         .         .  X  BANK.

NRD=       0 ELLC=  9999999.00 ELTRD=  9999999.00

  EL(I),STA(I)
    1364.30      475.00     1354.80      494.00     1354.80      506.00     1364.30      525.00
```

```
CROSS SECTION    863.91
STREAM   Q=100 YEAR
DISCHARGE=     1656.

PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

ELEV 1357.     1358.     1359.     1360.     1361.     1362.     1363.     1364.     1365.     1366.     1367.

   STA-FEET

 2 475. .         .         .         .         .         .         .         .         .         .         X         .         BANK.
   477. .         .         .         .         .         .         .         .         .         X         .         .         .
   479. .         .         .         .         .         .         .         .         X         E         .         .         .         .
   481. .         .         .         .         .         .         .         X         .         E         .         .         .         .
   483. .         .         .         .         .         X         W         .         .         E         .         .         .         .
   485. .         .         .         .         X         .         W         .         .         E         .         .         .         .
   487. .         .         .         X         .         .         W         .         .         E         .         .         .         .
   489. .         .         X         .         .         .         W         .         .         E         .         .         .         .
 3 491. X         .         .         .         .         .         W         .         .         E         .         .         .         .
   493. X         .         .         .         .         .         W         .         .         E         .         .         .         .
   495. X         .         .         .         .         .         W         .         .         E         .         .         .         .
   497. X         .         .         .         .         .         W         .         .         E         .         .         .         .
   499. X         .         .         .         .         .         W         .         .         E         .         .         .         .
   501. X         .         .         .         .         .         W         .         .         E         .         .         .         .
   503. X         .         .         .         .         .         W         .         .         E         .         .         .         .
 4 505. X         .         .         .         .         .         W         .         .         E         .         .         .         .
   507. .         X         .         .         .         .         W         .         .         E         .         .         .         .
   509. .         .         X         .         .         .         W         .         .         E         .         .         .         .
   511. .         .         .         X         .         .         W         .         .         E         .         .         .         .
   513. .         .         .         .         X         .         W         .         .         E         .         .         .         .
   515. .         .         .         .         .         X         W         .         .         E         .         .         .         .
   517. .         .         .         .         .         .         .         X         .         E         .         .         .         .
   519. .         .         .         .         .         .         .         .         X         E         .         .         .         .
   521. .         .         .         .         .         .         .         .         .         .         X         .         .         .
   523. .         .         .         .         .         .         .         .         .         .         .         X         .         .
 5 525. .         .         .         .         .         .         .         .         .         .         .         X         .         BANK.

NRD=       0 ELLC=  9999999.00 ELTRD=  9999999.00

  EL(I),STA(I)
    1366.50      475.00     1357.01     492.00     1357.01     506.00     1366.50     525.00
```

```
CROSS SECTION    864.21
STREAM   Q=100 YEAR
DISCHARGE=     1656.


PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

ELEV 1357.     1358.     1359.     1360.     1361.     1362.     1363.     1364.     1365.     1366.     1367.


    STA-FEET

 3 490. . XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX  .     BANK.
   492. . X        .         .         .         .         .        W.         .         .      E .        .          .
   494. . X        .         .         .         .         .        W.         .         .      E .        .          .
   496. . X        .         .         .         .         .        W.         .         .      E .        .          .
   498. . X        .         .         .         .         .        W.         .         .      E .        .          .
   500. . X        .         .         .         .         .        W.         .         .      E .        .          .
   502. . X        .         .         .         .         .        W.         .         .      E .        .          .
   504. . X        .         .         .         .         .        W.         .         .      E .        .          .
   506. . X        .         .         .         .         .        W.         .         .      E .        .          .
   508. . X        .         .         .         .         .        W.         .         .      E .        .          .
 5 510. . XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX  .     BANK.

NRD=       0 ELLC=  9999999.00 ELTRD=  9999999.00

  EL(I),STA(I)
   1366.70      489.50     1357.17      489.50     1357.17      510.50     1366.70      510.50
```

```
CROSS SECTION    865.57
STREAM   Q=100 YEAR
DISCHARGE=     1656.


PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

ELEV 1358.     1359.     1360.     1361.     1362.     1363.     1364.     1365.     1366.     1367.     1368.


    STA-FEET

8560 XSEC POINT-T      EL,ST-   1372.02    482.50
 5 482. .         .         .         .         .         .                   .         .         .    X    .          BANK.
   484. .         .         .         .         .         .         .         .         .  X      .    E    .              .
   486. .         .         .         .         .         .         .         .    X    .  W      .    E    .              .
   488. .         .         .         .         .         .         .    X    .         .  W      .    E    .              .
8560 XSEC POINT-T      EL,ST-   1372.02    489.50
 7 490. XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXB         .         .  W      .    E    .              .
   492. X         .         .         .         .         .         B         .         .  W      .    E    .              .
   494. X         .         .         .         .         .         B         .         .  W      .    E    .              .
   496. X         .         .         .         .         .         B         .         .  W      .    E    .              .
   498. X         .         .         .         .         .         B         .         .  W      .    E    .              .
   500. X         .         .         .         .         .         B         .         .  W      .    E    .              .
   502. X         .         .         .         .         .         B         .         .  W      .    E    .              .
   504. X         .         .         .         .         .         B         .         .  W      .    E    .              .
   506. X         .         .         .         .         .         B         .         .  W      .    E    .              .
   508. X         .         .         .         .         .         B         .         .  W      .    E    .              .
8560 XSEC POINT-T      EL,ST-   1371.72    510.50
 9 510. XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXB         .         .  W      .    E    .              .
   512. .         .         .         .         .         .         .         X         .  W      .    E    .              .
   514. .         .         .         .         .         .         .         .         X  W      .    E    .              .
   516. .         .         .         .         .         .         .         .         .         X    E    .              .
8560 XSEC POINT-T      EL,ST-   1371.62    517.50
10 518. .         .         .         .         .         .                   .         .         .    X    .              .

NRD=        9 ELLC=      1364.00 ELTRD=      1368.23

   463.00   1364.00   1372.40    482.50   1364.00   1372.02    489.50   1364.00   1372.02
   510.50   1364.00   1371.72    517.50   1364.00   1371.62   1000.00   1364.00   1368.23
  1057.10   1364.00   1370.00
  EL(I),STA(I)
    1372.40      463.00     1367.50      482.50     1367.50      482.50     1367.50      482.50     1364.00      489.50
    1358.00      489.50     1358.00      510.50     1364.00      510.50     1367.50      517.50     1367.50      517.50
    1367.50      517.50     1369.72     1000.00     1370.00     1057.00
```

CROSS SECTION 866.07
STREAM Q=100 YEAR
DISCHARGE= 1322.

PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

```
ELEV 1358.     1359.     1360.     1361.     1362.     1363.     1364.     1365.     1366.     1367.     1368.


   STA-FEET

 5 473. .         .         .         .         .                   .         .         .         .    X E  .     BANK.
   475. .         .         .         .         .                   .         .         .    X    .  W  E  .          .
   477. .         .         .         .         .                   .         .    X    .         .  W  E  .          .
   479. .         .         .         .         .                   .    X    .         .         .  W  E  .          .
   481. .         .         .         .         .              X    .         .         .         .  W  E  .          .
   483. .         .         .         .         .         X    C    .         .         .         .  W  E  .          .
   485. .         .         .         .    X    .         C    .         .         .         .  W  E  .          .
   487. .         .         .    X    .         .         C    .         .         .         .  W  E  .          .
   489. .         .    X    .         .         .         C    .         .         .         .  W  E  .          .
 6 491. . X       .         .         .         .         C    .         .         .         .  W  E  .          .
   493. . X       .         .         .         .         C    .         .         .         .  W  E  .          .
   495. . X       .         .         .         .         C    .         .         .         .  W  E  .          .
   497. . X       .         .         .         .         C    .         .         .         .  W  E  .          .
   499. . X       .         .         .         .         C    .         .         .         .  W  E  .          .
   501. . X       .         .         .         .         C    .         .         .         .  W  E  .          .
   503. . X       .         .         .         .         C    .         .         .         .  W  E  .          .
   505. . X       .         .         .         .         C    .         .         .         .  W  E  .          .
 7 507. . X       .         .         .         .         C    .         .         .         .  W  E  .          .
   509. .         . X       .         .         .         C    .         .         .         .  W  E  .          .
   511. .         .         . X       .         .         C    .         .         .         .  W  E  .          .
   513. .         .         .         . X       .         C    .         .         .         .  W  E  .          .
   515. .         .         .         .         . X       C    .         .         .         .  W  E  .          .
   517. .         .         .         .         .              X    .         .         .         .  W  E  .          .
   519. .         .         .         .         .                   . X       .         .         .  W  E  .          .
   521. .         .         .         .         .                   .         . X       .         .  W  E  .          .
   523. .         .         .         .         .                   .         .         . X       .  W  E  .          .
   525. .         .         .         .         .                   .         .         .         . X W  E  .          .
 8 527. .         .         .         .         .                   .         .         .         .    X E  .          .

NRD=       0 ELLC=  9999999.00 ELTRD=  9999999.00

  EL(I),STA(I)
    1368.20      375.00     1367.50      473.40     1367.50      473.40     1367.50      473.40     1358.20      492.00
    1358.20      508.00     1367.50      526.60     1367.50      526.60     1367.50      526.60     1370.00     1027.00
```

```
CROSS SECTION    867.01
STREAM   Q=100 YEAR
DISCHARGE=     1322.

PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

ELEV 1358.     1359.     1360.     1361.     1362.     1363.     1364.     1365.     1366.     1367.     1368.

    STA-FEET

 2 473. .         .         .         .         .         .         .         .         .         .         .X    BANK.
   475. .         .         .         .         .         .         .         .         .         .X  W  E  .         .
   477. .         .         .         .         .         .         .         .         .X        .  W  E  .         .
   479. .         .         .         .         .         .         .         .X        .         .  W  E  .         .
   481. .         .         .         .         .         .         .X        .         .         .  W  E  .         .
   483. .         .         .         .         .         .X   C    .         .         .         .  W  E  .         .
   485. .         .         .         .         .X        .    C    .         .         .         .  W  E  .         .
   487. .         .         .         .X        .         .    C    .         .         .         .  W  E  .         .
   489. .         .         .X        .         .         .    C    .         .         .         .  W  E  .         .
 3 491. .      X  .         .         .         .         .    C    .         .         .         .  W  E  .         .
   493. .      X  .         .         .         .         .    C    .         .         .         .  W  E  .         .
   495. .      X  .         .         .         .         .    C    .         .         .         .  W  E  .         .
   497. .      X  .         .         .         .         .    C    .         .         .         .  W  E  .         .
   499. .      X  .         .         .         .         .    C    .         .         .         .  W  E  .         .
   501. .      X  .         .         .         .         .    C    .         .         .         .  W  E  .         .
   503. .      X  .         .         .         .         .    C    .         .         .         .  W  E  .         .
   505. .      X  .         .         .         .         .    C    .         .         .         .  W  E  .         .
 4 507. .      X  .         .         .         .         .    C    .         .         .         .  W  E  .         .
   509. .         .         X         .         .         .    C    .         .         .         .  W  E  .         .
   511. .         .         .         X         .         .    C    .         .         .         .  W  E  .         .
   513. .         .         .         .         X         .    C    .         .         .         .  W  E  .         .
   515. .         .         .         .         .         X    C    .         .         .         .  W  E  .         .
   517. .         .         .         .         .         .         X         .         .         .  W  E  .         .
   519. .         .         .         .         .         .         .         X         .         .  W  E  .         .
   521. .         .         .         .         .         .         .         .         X         .  W  E  .         .
   523. .         .         .         .         .         .         .         .         .         X  W  E  .         .
   525. .         .         .         .         .         .         .         .         .         .     X  .         .
 5 527. .         .         .         .         .         .         .         .         .         .         .X    BANK.

NRD=       0 ELLC=  9999999.00 ELTRD=  9999999.00

  EL(I),STA(I)
    1368.10      473.20     1358.71      492.00     1358.71      508.00     1368.10      526.80
```

```
CROSS SECTION    867.02
STREAM   Q=100 YEAR
DISCHARGE=     1322.

PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

ELEV 1358.     1359.     1360.     1361.     1362.     1363.     1364.     1365.     1366.     1367.     1368.

    STA-FEET

 2 474. .         .         .         .         .         .         .         .         .         .         .         X         .     BANK.
   476. .         .         .         .         .         .         .         .         .         .         X         .   W   E         .
   478. .         .         .         .         .         .         .         .         .         X         .         .   W   E         .
   480. .         .         .         .         .         .         .         .         X         .         .         .   W   E         .
   482. .         .         .         .         .         .         .         X         .         .         .         .   W   E         .
   484. .         .         .         .         .         .         X         .         C         .         .         .         .   W   E         .
   486. .         .         .         .         .         X         .         .         C         .         .         .         .   W   E         .
   488. .         .         .         .         X         .         .         .         C         .         .         .         .   W   E         .
   490. .         .         .         X         .         .         .         .         C         .         .         .         .   W   E         .
 3 492. .         X         .         .         .         .         .         .         C         .         .         .         .   W   E         .
   494. .         X         .         .         .         .         .         .         C         .         .         .         .   W   E         .
   496. .         X         .         .         .         .         .         .         C         .         .         .         .   W   E         .
   498. .         X         .         .         .         .         .         .         C         .         .         .         .   W   E         .
   500. .         X         .         .         .         .         .         .         C         .         .         .         .   W   E         .
   502. .         X         .         .         .         .         .         .         C         .         .         .         .   W   E         .
   504. .         X         .         .         .         .         .         .         C         .         .         .         .   W   E         .
   506. .         X         .         .         .         .         .         .         C         .         .         .         .   W   E         .
 4 508. .         X         .         .         .         .         .         .         C         .         .         .         .   W   E         .
   510. .         .         X         .         .         .         .         .         C         .         .         .         .   W   E         .
   512. .         .         .         X         .         .         .         .         C         .         .         .         .   W   E         .
   514. .         .         .         .         X         .         .         .         C         .         .         .         .   W   E         .
   516. .         .         .         .         .         .         X         .         C         .         .         .         .   W   E         .
   518. .         .         .         .         .         .         .         X         .         .         .         .         .   W   E         .
   520. .         .         .         .         .         .         .         .         .         X         .         .         .   W   E         .
   522. .         .         .         .         .         .         .         .         .         .         X         .         .   W   E         .
   524. .         .         .         .         .         .         .         .         .         .         .         X         .   W   E         .
 5 526. .         .         .         .         .         .         .         .         .         .         .         .         .         .X    BANK.

NRD=       0 ELLC=  9999999.00 ELTRD=  9999999.00

  EL(I),STA(I)
    1367.70      474.10     1358.71      492.00     1358.71      508.00     1368.10      526.80
```

```
CROSS SECTION    867.78
STREAM   Q=100 YEAR
DISCHARGE=     1322.

PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

ELEV 1359.     1360.     1361.     1362.     1363.     1364.     1365.     1366.     1367.     1368.     1369.

   STA-FEET

 2 475. .         .         .         .         .                   .         .         .         X .         .     BANK.
   477. .         .         .         .         .                   .         .       X .   W   E .         .         .
   479. .         .         .         .         .                   .       X .         .   W   E .         .         .
   481. .         .         .         .         .                 X .         .         .   W   E .         .         .
   483. .         .         .         .         .       X   C       .         .         .   W   E .         .         .
   485. .         .         .         .       X .         C         .         .         .   W   E .         .         .
   487. .         .         .       X .         .         C         .         .         .   W   E .         .         .
   489. .         .       X .         .         .         C         .         .         .   W   E .         .         .
 3 491. . X       .         .         .         .         C         .         .         .   W   E .         .         .
   493. . X       .         .         .         .         C         .         .         .   W   E .         .         .
   495. . X       .         .         .         .         C         .         .         .   W   E .         .         .
   497. . X       .         .         .         .         C         .         .         .   W   E .         .         .
   499. . X       .         .         .         .         C         .         .         .   W   E .         .         .
   501. . X       .         .         .         .         C         .         .         .   W   E .         .         .
   503. . X       .         .         .         .         C         .         .         .   W   E .         .         .
   505. . X       .         .         .         .         C         .         .         .   W   E .         .         .
 4 507. . X       .         .         .         .         C         .         .         .   W   E .         .         .
   509. .         . X       .         .         .         C         .         .         .   W   E .         .         .
   511. .         .         . X       .         .         C         .         .         .   W   E .         .         .
   513. .         .         .         . X       .         C         .         .         .   W   E .         .         .
   515. .         .         .         .         . X       C         .         .         .   W   E .         .         .
   517. .         .         .         .         .           X       .         .         .   W   E .         .         .
   519. .         .         .         .         .                   . X       .         .   W   E .         .         .
   521. .         .         .         .         .                   .         . X       .   W   E .         .         .
   523. .         .         .         .         .                   .         .         . XW    E .         .         .
   525. .         .         .         .         .                   .         .         .         . X       .         .
 5 527. .         .         .         .         .                   .         .         .         .         X .     BANK.

NRD=       0 ELLC=  9999999.00 ELTRD=  9999999.00

  EL(I),STA(I)
    1367.70      475.10      1359.20      492.00      1359.20      508.00      1368.70      527.00
```

CROSS SECTION 867.79
STREAM Q=100 YEAR
DISCHARGE= 1322.

PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

```
ELEV 1359.     1360.     1361.     1362.     1363.     1364.     1365.     1366.     1367.     1368.     1369.

   STA-FEET

 2 473. .         .         .         .         .                   .         .         .         .         X .     BANK.
   475. .         .         .         .         .                   .         .         .         X         .         .
   477. .         .         .         .         .                   .         .       X . W       E         .         .
   479. .         .         .         .         .                   .       X .         . W       E         .         .
   481. .         .         .         .         .               X   .         .         . W       E         .         .
   483. .         .         .         .         .         X   C     .         .         . W       E         .         .
   485. .         .         .         .       X .             C     .         .         . W       E         .         .
   487. .         .         .       X .         .             C     .         .         . W       E         .         .
   489. .         .       X .         .         .             C     .         .         . W       E         .         .
 3 491. . X       .         .         .         .             C     .         .         . W       E         .         .
   493. . X       .         .         .         .             C     .         .         . W       E         .         .
   495. . X       .         .         .         .             C     .         .         . W       E         .         .
   497. . X       .         .         .         .             C     .         .         . W       E         .         .
   499. . X       .         .         .         .             C     .         .         . W       E         .         .
   501. . X       .         .         .         .             C     .         .         . W       E         .         .
   503. . X       .         .         .         .             C     .         .         . W       E         .         .
   505. . X       .         .         .         .             C     .         .         . W       E         .         .
 4 507. . X       .         .         .         .             C     .         .         . W       E         .         .
   509. .         . X       .         .         .             C     .         .         . W       E         .         .
   511. .         .         . X       .         .             C     .         .         . W       E         .         .
   513. .         .         .         . X       .             C     .         .         . W       E         .         .
   515. .         .         .         .         . X           C     .         .         . W       E         .         .
   517. .         .         .         .         .               X   .         .         . W       E         .         .
   519. .         .         .         .         .                   . X       .         . W       E         .         .
   521. .         .         .         .         .                   .         . X       . W       E         .         .
   523. .         .         .         .         .                   .         .         . XW      E         .         .
   525. .         .         .         .         .                   .         .         .         .         . X       .
 5 527. .         .         .         .         .                   .         .         .         .         X .     BANK.

NRD=       0 ELLC=  9999999.00 ELTRD=  9999999.00

  EL(I),STA(I)
    1368.70      473.00     1359.20      492.00     1359.20      508.00     1368.70      527.00
```

```
CROSS SECTION    871.40
STREAM   Q=100 YEAR
DISCHARGE=     1322.

PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

ELEV 1361.     1362.     1363.     1364.     1365.     1366.     1367.     1368.     1369.     1370.     1371.

   STA-FEET

 2 474. .         .         .         .         .         .         .         .         .         .  X      .     BANK.
   476. .         .         .         .         .         .         .         .         .      X  .         .         .
   478. .         .         .         .         .         .         .         .      X  .         .         .         .
   480. .         .         .         .         .         .         .      X  .  E      .         .         .         .
   482. .         .         .         .         .         .      X  .  W      .  E      .         .         .         .
   484. .         .         .         .         .      X  .  C      .  W      .  E      .         .         .         .
   486. .         .         .         .      X  .         .  C      .  W      .  E      .         .         .         .
   488. .         .         .      X  .         .         .  C      .  W      .  E      .         .         .         .
   490. .         .      X  .         .         .         .  C      .  W      .  E      .         .         .         .
 3 492. .  X      .         .         .         .         .  C      .  W      .  E      .         .         .         .
   494. .  X      .         .         .         .         .  C      .  W      .  E      .         .         .         .
   496. .  X      .         .         .         .         .  C      .  W      .  E      .         .         .         .
   498. .  X      .         .         .         .         .  C      .  W      .  E      .         .         .         .
   500. .  X      .         .         .         .         .  C      .  W      .  E      .         .         .         .
   502. .  X      .         .         .         .         .  C      .  W      .  E      .         .         .         .
   504. .  X      .         .         .         .         .  C      .  W      .  E      .         .         .         .
   506. .  X      .         .         .         .         .  C      .  W      .  E      .         .         .         .
 4 508. .  X      .         .         .         .         .  C      .  W      .  E      .         .         .         .
   510. .         .      X  .         .         .         .  C      .  W      .  E      .         .         .         .
   512. .         .         .      X  .         .         .  C      .  W      .  E      .         .         .         .
   514. .         .         .         .      X  .         .  C      .  W      .  E      .         .         .         .
   516. .         .         .         .         .      X  .  C      .  W      .  E      .         .         .         .
   518. .         .         .         .         .         .      X  .  W      .  E      .         .         .         .
   520. .         .         .         .         .         .         .      X  .  E      .         .         .         .
   522. .         .         .         .         .         .         .         .      X  .         .         .         .
   524. .         .         .         .         .         .         .         .         .      X  .         .         .
 5 526. .         .         .         .         .         .         .         .         .         .      X  .     BANK.

NRD=       0 ELLC=  9999999.00 ELTRD=  9999999.00

  EL(I),STA(I)
    1370.30      474.00     1361.30      492.00     1361.30      508.00     1370.80      527.00
```

```
CROSS SECTION    871.73
STREAM   Q=100 YEAR
DISCHARGE=     1322.

PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

ELEV 1361.     1362.     1363.     1364.     1365.     1366.     1367.     1368.     1369.     1370.     1371.

   STA-FEET

 2 474. .         .         .         .         .         .         .         .         .         .   X     .     BANK.
   476. .         .         .         .         .         .         .         .         .         .   X     .         .
   478. .         .         .         .         .         .         .         .         .   X     .         .         .
   480. .         .         .         .         .         .         .         .   X     . E       .         .         .
   482. .         .         .         .         .         .   X     .W        . E       .         .         .         .
   484. .         .         .         .         .   X     . C       .W        . E       .         .         .         .
   486. .         .         .         .   X     .         . C       .W        . E       .         .         .         .
   488. .         .         .   X     .         .         . C       .W        . E       .         .         .         .
   490. .         .   X     .         .         .         . C       .W        . E       .         .         .         .
 3 492. .   X     .         .         .         .         . C       .W        . E       .         .         .         .
   494. .   X     .         .         .         .         . C       .W        . E       .         .         .         .
   496. .   X     .         .         .         .         . C       .W        . E       .         .         .         .
   498. .   X     .         .         .         .         . C       .W        . E       .         .         .         .
   500. .   X     .         .         .         .         . C       .W        . E       .         .         .         .
   502. .   X     .         .         .         .         . C       .W        . E       .         .         .         .
   504. .   X     .         .         .         .         . C       .W        . E       .         .         .         .
   506. .   X     .         .         .         .         . C       .W        . E       .         .         .         .
 4 508. .   X     .         .         .         .         . C       .W        . E       .         .         .         .
   510. .         .   X     .         .         .         . C       .W        . E       .         .         .         .
   512. .         .         .   X     .         .         . C       .W        . E       .         .         .         .
   514. .         .         .         .   X     .         . C       .W        . E       .         .         .         .
   516. .         .         .         .         .   X     . C       .W        . E       .         .         .         .
   518. .         .         .         .         .         .   X     .W        . E       .         .         .         .
   520. .         .         .         .         .         .         .   X     . E       .         .         .         .
   522. .         .         .         .         .         .         .         .   X     .         .         .         .
   524. .         .         .         .         .         .         .         .         .   X     .         .         .
 5 526. .         .         .         .         .         .         .         .         .         .   X     .     BANK.

NRD=       0 ELLC=  9999999.00 ELTRD=  9999999.00

  EL(I),STA(I)
    1370.40      474.00     1361.39      492.00     1361.39      508.00     1370.40      526.00
```

```
CROSS SECTION    871.83
STREAM   Q=100 YEAR
DISCHARGE=     1322.

PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

ELEV 1361.     1362.     1363.     1364.     1365.     1366.     1367.     1368.     1369.     1370.     1371.

   STA-FEET

 2 474. .         .         .         .         .         .         .         .         .         .         X         .         BANK.
   476. .         .         .         .         .         .         .         .         .         .         X         .         .
   478. .         .         .         .         .         .         .         .         X  E      .         .         .         .
   480. .         .         .         .         .         .         X.   W    .  E      .         .         .         .
   482. .         .         .         .         .         X C.      .   W    .  E      .         .         .         .
   484. .         .         .         .         X         .  C.     .   W    .  E      .         .         .         .
   486. .         .         .         X         .         .  C.     .   W    .  E      .         .         .         .
   488. .         .         X         .         .         .  C.     .   W    .  E      .         .         .         .
 3 490. .         X         .         .         .         .  C.     .   W    .  E      .         .         .         .
   492. .         X         .         .         .         .  C.     .   W    .  E      .         .         .         .
   494. .         X         .         .         .         .  C.     .   W    .  E      .         .         .         .
   496. .         X         .         .         .         .  C.     .   W    .  E      .         .         .         .
   498. .         X         .         .         .         .  C.     .   W    .  E      .         .         .         .
   500. .         X         .         .         .         .  C.     .   W    .  E      .         .         .         .
   502. .         X         .         .         .         .  C.     .   W    .  E      .         .         .         .
   504. .         X         .         .         .         .  C.     .   W    .  E      .         .         .         .
   506. .         X         .         .         .         .  C.     .   W    .  E      .         .         .         .
   508. .         X         .         .         .         .  C.     .   W    .  E      .         .         .         .
 4 510. .         X         .         .         .         .  C.     .   W    .  E      .         .         .         .
   512. .         .         X         .         .         .  C.     .   W    .  E      .         .         .         .
   514. .         .         .         X         .         .  C.     .   W    .  E      .         .         .         .
   516. .         .         .         .         X.        .  C.     .   W    .  E      .         .         .         .
   518. .         .         .         .         .         .   .X    .   W    .  E      .         .         .         .
   520. .         .         .         .         .         .   .     .  XW    .  E      .         .         .         .
   522. .         .         .         .         .         .   .     .        .   X     .         .         .         .
   524. .         .         .         .         .         .   .     .        .         .         X         .         .
 5 526. .         .         .         .         .         .   .     .        .         .         .         X         .         BANK.

NRD=       0 ELLC=  9999999.00 ELTRD=  9999999.00

  EL(I),STA(I)
    1370.40      474.70     1361.41      490.00     1361.41      510.00     1370.50      525.50
```

CROSS SECTION 871.93
STREAM Q=100 YEAR
DISCHARGE= 1322.

PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

```
ELEV 1361.     1362.     1363.     1364.     1365.     1366.     1367.     1368.     1369.     1370.     1371.

   STA-FEET

 2 474. .         .         .         .         .         .         .         .         .         .         X         .     BANK.
   476. .         .         .         .         .         .         .         .         .         X         .         .         .
   478. .         .         .         .         .         .         .         .        .X E       .         .         .         .
   480. .         .         .         .         .         .         .         X    W    .  E      .         .         .         .
   482. .         .         .         .         .        XC.        .         W    .  E      .         .         .         .
   484. .         .         .         .         X         C.        .         W    .  E      .         .         .         .
   486. .         .         .         X         .         C.        .         W    .  E      .         .         .         .
   488. .         .         X         .         .         C.        .         W    .  E      .         .         .         .
 3 490. .         X         .         .         .         C.        .         W    .  E      .         .         .         .
   492. .         X         .         .         .         C.        .         W    .  E      .         .         .         .
   494. .         X         .         .         .         C.        .         W    .  E      .         .         .         .
   496. .         X         .         .         .         C.        .         W    .  E      .         .         .         .
   498. .         X         .         .         .         C.        .         W    .  E      .         .         .         .
   500. .         X         .         .         .         C.        .         W    .  E      .         .         .         .
   502. .         X         .         .         .         C.        .         W    .  E      .         .         .         .
   504. .         X         .         .         .         C.        .         W    .  E      .         .         .         .
   506. .         X         .         .         .         C.        .         W    .  E      .         .         .         .
   508. .         X         .         .         .         C.        .         W    .  E      .         .         .         .
 4 510. .         X         .         .         .         C.        .         W    .  E      .         .         .         .
   512. .         .         X         .         .         C.        .         W    .  E      .         .         .         .
   514. .         .         .         X         .         C.        .         W    .  E      .         .         .         .
   516. .         .         .         .         X         C.        .         W    .  E      .         .         .         .
   518. .         .         .         .         .         .X        .         W    .  E      .         .         .         .
   520. .         .         .         .         .         .         .         X W  .  E      .         .         .         .
   522. .         .         .         .         .         .         .         .         .   X  .         .         .         .
   524. .         .         .         .         .         .         .         .         .         .         X         .         .
 5 526. .         .         .         .         .         .         .         .         .         .         .         X         .     BANK.
```

NRD= 0 ELLC= 9999999.00 ELTRD= 9999999.00

EL(I),STA(I)
1370.50 474.60 1361.43 490.00 1361.43 510.00 1370.50 525.40

```
CROSS SECTION    871.97
STREAM   Q=100 YEAR
DISCHARGE=     1322.

PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

ELEV 1361.     1362.     1363.     1364.     1365.     1366.     1367.     1368.     1369.     1370.     1371.

   STA-FEET

 2 474. .         .         .         .         .         .         .         .         .         .   X     .     BANK.
   476. .         .         .         .         .         .         .         .         .   X E T   .         .
   478. .         .         .         .         .         .         .         .X        .W   E T   .         .
   480. .         .         .         .         .         .         X         .         .W   E T   .         .
   482. .         .         .         .         .         X .   B   .         .         .W   E T   .         .
   484. .         .         .         .         X         .     B   .         .         .W   E T   .         .
   486. .         .         .   X     .         .         .     B   .         .         .W   E T   .         .
   488. .         .   X     .         .         .         .     B   .         .         .W   E T   .         .
 3 490. .   X     .         .         .         .         .     B   .         .         .W   E T   .         .
   492. .   X     .         .         .         .         .     B   .         .         .W   E T   .         .
   494. .   X     .         .         .         .         .     B   .         .         .W   E T   .         .
   496. .   X     .         .         .         .         .     B   .         .         .W   E T   .         .
   498. .   X     .         .         .         .         .     B   .         .         .W   E T   .         .
   500. .   X     .         .         .         .         .     B   .         .         .W   E T   .         .
   502. .   X     .         .         .         .         .     B   .         .         .W   E T   .         .
   504. .   X     .         .         .         .         .     B   .         .         .W   E T   .         .
   506. .   X     .         .         .         .         .     B   .         .         .W   E T   .         .
   508. .   X     .         .         .         .         .     B   .         .         .W   E T   .         .
 4 510. .   X     .         .         .         .         .     B   .         .         .W   E T   .         .
   512. .         .     X   .         .         .         .     B   .         .         .W   E T   .         .
   514. .         .         .       X .         .         .     B   .         .         .W   E T   .         .
   516. .         .         .         .         X         .     B   .         .         .W   E T   .         .
   518. .         .         .         .         .         .X    B   .         .         .W   E T   .         .
   520. .         .         .         .         .         .         .   X     .         .W   E T   .         .
   522. .         .         .         .         .         .         .         .   X     .W   E T   .         .
   524. .         .         .         .         .         .         .         .         .      T   .         .
 5 526. .         .         .         .         .         .         .         .         .          .   X     .     BANK.

NRD=       6 ELLC=      1366.44 ELTRD=      1369.70

   474.60   1366.44   1369.70    490.00   1366.44   1369.70    510.00   1366.44   1369.70
   525.40   1366.44   1369.70
  EL(I),STA(I)
    1370.50      474.60      1361.44      490.00      1361.44      510.00      1370.50      525.40
```

```
CROSS SECTION    872.02
STREAM   Q=100 YEAR
DISCHARGE=     1424.

PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

ELEV 1361.     1362.     1363.     1364.     1365.     1366.     1367.     1368.     1369.     1370.     1371.

    STA-FEET

 2 474. .         .         .         .         .         .         .         .         .         .    X    .     BANK.
   476. .         .         .         .         .         .         .         .         .    X  E    .          .
   478. .         .         .         .         .         .         .         .X        .W    E    .          .
   480. .         .         .         .         .         .         X         .         .W    E    .          .
   482. .         .         .         .         .         X .C      .         .         .W    E    .          .
   484. .         .         .         .         X         .C        .         .         .W    E    .          .
   486. .         .         .    X    .         .         .C        .         .         .W    E    .          .
   488. .         .    X    .         .         .         .C        .         .         .W    E    .          .
 3 490. .    X    .         .         .         .         .C        .         .         .W    E    .          .
   492. .    X    .         .         .         .         .C        .         .         .W    E    .          .
   494. .    X    .         .         .         .         .C        .         .         .W    E    .          .
   496. .    X    .         .         .         .         .C        .         .         .W    E    .          .
   498. .    X    .         .         .         .         .C        .         .         .W    E    .          .
   500. .    X    .         .         .         .         .C        .         .         .W    E    .          .
   502. .    X    .         .         .         .         .C        .         .         .W    E    .          .
   504. .    X    .         .         .         .         .C        .         .         .W    E    .          .
   506. .    X    .         .         .         .         .C        .         .         .W    E    .          .
   508. .    X    .         .         .         .         .C        .         .         .W    E    .          .
 4 510. .    X    .         .         .         .         .C        .         .         .W    E    .          .
   512. .         .    X    .         .         .         .C        .         .         .W    E    .          .
   514. .         .         .    X    .         .         .C        .         .         .W    E    .          .
   516. .         .         .         .         X         .C        .         .         .W    E    .          .
   518. .         .         .         .         .         . X       .         .         .W    E    .          .
   520. .         .         .         .         .         .         .    X    .         .W    E    .          .
   522. .         .         .         .         .         .         .         .    X    .W    E    .          .
   524. .         .         .         .         .         .         .         .         .     X    .          .
 5 526. .         .         .         .         .         .         .         .         .          .    X    .     BANK.

NRD=       0 ELLC=  9999999.00 ELTRD=  9999999.00

  EL(I),STA(I)
    1370.50      474.60     1361.45      490.00     1361.45      510.00     1370.50      525.40
```

CROSS SECTION 872.37
STREAM Q=100 YEAR
DISCHARGE= 1424.

PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

```
ELEV 1361.     1362.     1363.     1364.     1365.     1366.     1367.     1368.     1369.     1370.     1371.


   STA-FEET

 2 474. .         .         .         .         .         .         .         .         .         .         X         .     BANK.
   476. .         .         .         .         .         .         .         .         .       X E       .         .         .
   478. .         .         .         .         .         .         .         .       X .W        E       .         .         .
   480. .         .         .         .         .         .         .       .X        .W        E       .         .         .
   482. .         .         .         .         .       X. C        .         .        .W        E       .         .         .
   484. .         .         .         .       X .         . C       .         .        .W        E       .         .         .
   486. .         .         .       X .         .         . C       .         .        .W        E       .         .         .
   488. .         .       X .         .         .         . C       .         .        .W        E       .         .         .
 3 490. .       X .         .         .         .         . C       .         .        .W        E       .         .         .
   492. .       X .         .         .         .         . C       .         .        .W        E       .         .         .
   494. .       X .         .         .         .         . C       .         .        .W        E       .         .         .
   496. .       X .         .         .         .         . C       .         .        .W        E       .         .         .
   498. .       X .         .         .         .         . C       .         .        .W        E       .         .         .
   500. .       X .         .         .         .         . C       .         .        .W        E       .         .         .
   502. .       X .         .         .         .         . C       .         .        .W        E       .         .         .
   504. .       X .         .         .         .         . C       .         .        .W        E       .         .         .
   506. .       X .         .         .         .         . C       .         .        .W        E       .         .         .
   508. .       X .         .         .         .         . C       .         .        .W        E       .         .         .
 4 510. .       X .         .         .         .         . C       .         .        .W        E       .         .         .
   512. .         .       X .         .         .         . C       .         .        .W        E       .         .         .
   514. .         .         .       X.         .         . C       .         .        .W        E       .         .         .
   516. .         .         .         .       X         . C       .         .        .W        E       .         .         .
   518. .         .         .         .         .         . X       .         .        .W        E       .         .         .
   520. .         .         .         .         .         .         .       X .        .W        E       .         .         .
   522. .         .         .         .         .         .         .         .       X .W        E       .         .         .
   524. .         .         .         .         .         .         .         .         .         .       X .         .         .
 5 526. .         .         .         .         .         .         .         .         .         .         .         X         .     BANK.
```

NRD= 0 ELLC= 9999999.00 ELTRD= 9999999.00

EL(I),STA(I)

1370.60	474.50	1361.51	490.00	1361.51	510.00	1370.60	525.50

```
CROSS SECTION    872.47
STREAM   Q=100 YEAR
DISCHARGE=     1424.

PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

ELEV 1361.     1362.     1363.     1364.     1365.     1366.     1367.     1368.     1369.     1370.     1371.

    STA-FEET

 2 473. .         .         .         .         .         .         .         .                   .     X   .     BANK.
   475. .         .         .         .         .         .         .         .                 X .         .         .
   477. .         .         .         .         .         .         .         .     X   W     E .         .         .
   479. .         .         .         .         .         .         .     X   .         W     E .         .         .
   481. .         .         .         .         .         .     X   .         .         W     E .         .         .
   483. .         .         .         .         .     X   .     C   .         .         W     E .         .         .
   485. .         .         .         .     X   .         .     C   .         .         W     E .         .         .
   487. .         .         .     X   .         .         .     C   .         .         W     E .         .         .
   489. .         .     X   .         .         .         .     C   .         .         W     E .         .         .
 3 491. .     X   .         .         .         .         .     C   .         .         W     E .         .         .
   493. .     X   .         .         .         .         .     C   .         .         W     E .         .         .
   495. .     X   .         .         .         .         .     C   .         .         W     E .         .         .
   497. .     X   .         .         .         .         .     C   .         .         W     E .         .         .
   499. .     X   .         .         .         .         .     C   .         .         W     E .         .         .
   501. .     X   .         .         .         .         .     C   .         .         W     E .         .         .
   503. .     X   .         .         .         .         .     C   .         .         W     E .         .         .
   505. .     X   .         .         .         .         .     C   .         .         W     E .         .         .
 4 507. .     X   .         .         .         .         .     C   .         .         W     E .         .         .
   509. .         .     X   .         .         .         .     C   .         .         W     E .         .         .
   511. .         .         .     X   .         .         .     C   .         .         W     E .         .         .
   513. .         .         .         .     X   .         .     C   .         .         W     E .         .         .
   515. .         .         .         .         .     X   .     C   .         .         W     E .         .         .
   517. .         .         .         .         .         .    XC   .         .         W     E .         .         .
   519. .         .         .         .         .         .         .     X   .         W     E .         .         .
   521. .         .         .         .         .         .         .         .     X   W     E .         .         .
   523. .         .         .         .         .         .         .         .                XE .         .         .
   525. .         .         .         .         .         .         .         .                   .     X   .         .
 5 527. .         .         .         .         .         .         .         .                   .     X   .     BANK.

NRD=       0 ELLC=  9999999.00 ELTRD=  9999999.00

  EL(I),STA(I)
    1370.60      473.90     1361.53      492.00     1361.53      508.00     1370.60      526.10
```

```
CROSS SECTION    873.00
STREAM   Q=100 YEAR
DISCHARGE=     1424.

PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

ELEV 1361.     1362.     1363.     1364.     1365.     1366.     1367.     1368.     1369.     1370.     1371.

   STA-FEET

 2 473. .         .         .         .         .         .         .         .         .         .         .X    BANK.
   475. .         .         .         .         .         .         .         .         .         .X        .         .
   477. .         .         .         .         .         .         .         .         .X    E   .         .         .
   479. .         .         .         .         .         .         .         .X        .W    E   .         .         .
   481. .         .         .         .         .         .         .X        .         .W    E   .         .         .
   483. .         .         .         .         .         .X    C   .         .         .W    E   .         .         .
   485. .         .         .         .         .X        .     C   .         .         .W    E   .         .         .
   487. .         .         .         .X        .         .     C   .         .         .W    E   .         .         .
   489. .         .         .X        .         .         .     C   .         .         .W    E   .         .         .
 3 491. .     X   .         .         .         .         .     C   .         .         .W    E   .         .         .
   493. .     X   .         .         .         .         .     C   .         .         .W    E   .         .         .
   495. .     X   .         .         .         .         .     C   .         .         .W    E   .         .         .
   497. .     X   .         .         .         .         .     C   .         .         .W    E   .         .         .
   499. .     X   .         .         .         .         .     C   .         .         .W    E   .         .         .
   501. .     X   .         .         .         .         .     C   .         .         .W    E   .         .         .
   503. .     X   .         .         .         .         .     C   .         .         .W    E   .         .         .
   505. .     X   .         .         .         .         .     C   .         .         .W    E   .         .         .
 4 507. .     X   .         .         .         .         .     C   .         .         .W    E   .         .         .
   509. .         .     X   .         .         .         .     C   .         .         .W    E   .         .         .
   511. .         .         .     X   .         .         .     C   .         .         .W    E   .         .         .
   513. .         .         .         .     X   .         .     C   .         .         .W    E   .         .         .
   515. .         .         .         .         .     X   .     C   .         .         .W    E   .         .         .
   517. .         .         .         .         .         .    XC   .         .         .W    E   .         .         .
   519. .         .         .         .         .         .         .     X   .         .W    E   .         .         .
   521. .         .         .         .         .         .         .         .     X   .W    E   .         .         .
   523. .         .         .         .         .         .         .         .         .     X   .         .         .
   525. .         .         .         .         .         .         .         .         .         .     X   .         .
 5 527. .         .         .         .         .         .         .         .         .         .         .X    BANK.

NRD=       0 ELLC=  9999999.00 ELTRD=  9999999.00

  EL(I),STA(I)
    1371.10      473.00     1361.64      492.00     1361.64      508.00     1371.10      527.00
```

CROSS SECTION 878.39
STREAM Q=100 YEAR
DISCHARGE= 1424.

PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

```
ELEV 1364.     1365.     1366.     1367.     1368.     1369.     1370.     1371.     1372.     1373.     1374.

    STA-FEET

 2 473. .         .         .         .         .         .         .         .         .         .         .  X  BANK.
   475. .         .         .         .         .         .         .         .         .         .  X      .         .
   477. .         .         .         .         .         .         .         .         .  X      .         .         .
   479. .         .         .         .         .         .         .         .  X  E   .         .         .         .
   481. .         .         .         .         .         .         .  X      .     E   .         .         .         .
   483. .         .         .         .         .         .  X   W  .         .     E   .         .         .         .
   485. .         .         .         .         .  X      .      W  .         .     E   .         .         .         .
   487. .         .         .         .  X      .         .      W  .         .     E   .         .         .         .
   489. .         .         .  X      .         .         .      W  .         .     E   .         .         .         .
 3 491. .      X  .         .         .         .         .      W  .         .     E   .         .         .         .
   493. .      X  .         .         .         .         .      W  .         .     E   .         .         .         .
   495. .      X  .         .         .         .         .      W  .         .     E   .         .         .         .
   497. .      X  .         .         .         .         .      W  .         .     E   .         .         .         .
   499. .      X  .         .         .         .         .      W  .         .     E   .         .         .         .
   501. .      X  .         .         .         .         .      W  .         .     E   .         .         .         .
   503. .      X  .         .         .         .         .      W  .         .     E   .         .         .         .
   505. .      X  .         .         .         .         .      W  .         .     E   .         .         .         .
 4 507. .      X  .         .         .         .         .      W  .         .     E   .         .         .         .
   509. .         .      X  .         .         .         .      W  .         .     E   .         .         .         .
   511. .         .         .      X  .         .         .      W  .         .     E   .         .         .         .
   513. .         .         .         .      X  .         .      W  .         .     E   .         .         .         .
   515. .         .         .         .         .      X  .      W  .         .     E   .         .         .         .
   517. .         .         .         .         .         .      X  .         .     E   .         .         .         .
   519. .         .         .         .         .         .         .      X  .     E   .         .         .         .
   521. .         .         .         .         .         .         .         .  X   .         .         .         .
   523. .         .         .         .         .         .         .         .      .         X  .         .         .
   525. .         .         .         .         .         .         .         .      .         .         X  .         .
 5 527. .         .         .         .         .         .         .         .      .         .         .  X  BANK.
```

NRD= 0 ELLC= 9999999.00 ELTRD= 9999999.00

EL(I),STA(I)

1374.30	473.00	1364.76	492.00	1364.76	508.00	1374.30	527.00

```
CROSS SECTION    878.85
STREAM   Q=100 YEAR
DISCHARGE=     1424.

PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

ELEV 1364.     1365.     1366.     1367.     1368.     1369.     1370.     1371.     1372.     1373.     1374.

   STA-FEET

 2 472. .         .         .         .         .         .         .         .         .         .         .   X BANK.
   474. .         .         .         .         .         .         .         .         .         .   X     .         .
   476. .         .         .         .         .         .         .         .         .   X     .         .         .
   478. .         .         .         .         .         .         .         .   X   E .         .         .         .
   480. .         .         .         .         .         .         .   X     .     E .         .         .         .
   482. .         .         .         .         .         .   X     C.  W     .     E .         .         .         .
   484. .         .         .         .         .   X     .         C.  W     .     E .         .         .         .
   486. .         .         .         .   X     .         .         C.  W     .     E .         .         .         .
   488. .         .         .   X     .         .         .         C.  W     .     E .         .         .         .
   490. .         .   X     .         .         .         .         C.  W     .     E .         .         .         .
 3 492. .       X .         .         .         .         .         C.  W     .     E .         .         .         .
   494. .       X .         .         .         .         .         C.  W     .     E .         .         .         .
   496. .       X .         .         .         .         .         C.  W     .     E .         .         .         .
   498. .       X .         .         .         .         .         C.  W     .     E .         .         .         .
   500. .       X .         .         .         .         .         C.  W     .     E .         .         .         .
   502. .       X .         .         .         .         .         C.  W     .     E .         .         .         .
   504. .       X .         .         .         .         .         C.  W     .     E .         .         .         .
   506. .       X .         .         .         .         .         C.  W     .     E .         .         .         .
 4 508. .       X .         .         .         .         .         C.  W     .     E .         .         .         .
   510. .         .     X   .         .         .         .         C.  W     .     E .         .         .         .
   512. .         .         .     X   .         .         .         C.  W     .     E .         .         .         .
   514. .         .         .         .     X   .         .         C.  W     .     E .         .         .         .
   516. .         .         .         .         .     X   .         C.  W     .     E .         .         .         .
   518. .         .         .         .         .         .         XC. W     .     E .         .         .         .
   520. .         .         .         .         .         .         .         X .   E .         .         .         .
   522. .         .         .         .         .         .         .         .     X .         .         .         .
   524. .         .         .         .         .         .         .         .         .         X .         .         .
   526. .         .         .         .         .         .         .         .         .         .         X .         .
 5 528. .         .         .         .         .         .         .         .         .         .         .   X BANK.

NRD=       0 ELLC=  9999999.00 ELTRD=  9999999.00

  EL(I),STA(I)
    1374.40      472.90     1364.85      492.00     1364.85      508.00     1374.40      527.10
```

```
CROSS SECTION    878.95
STREAM   Q=100 YEAR
DISCHARGE=     1424.

PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

ELEV 1364.     1365.     1366.     1367.     1368.     1369.     1370.     1371.     1372.     1373.     1374.

    STA-FEET

 2 473. .         .         .         .         .         .         .         .         .         .         .  X BANK.
   475. .         .         .         .         .         .         .         .         .         . X       .         .
   477. .         .         .         .         .         .         .         .         X         .         .         .
   479. .         .         .         .         .         .         .         X.        E .       .         .         .
   481. .         .         .         .         .         .         X         W.        E .       .         .         .
   483. .         .         .         .         .         X         C         W.        E .       .         .         .
   485. .         .         .         . X       .         .         C         W.        E .       .         .         .
   487. .         .         . X       .         .         .         C         W.        E .       .         .         .
 3 489. .         X.        .         .         .         .         C         W.        E .       .         .         .
   491. .         X.        .         .         .         .         C         W.        E .       .         .         .
   493. .         X.        .         .         .         .         C         W.        E .       .         .         .
   495. .         X.        .         .         .         .         C         W.        E .       .         .         .
   497. .         X.        .         .         .         .         C         W.        E .       .         .         .
   499. .         X.        .         .         .         .         C         W.        E .       .         .         .
   501. .         X.        .         .         .         .         C         W.        E .       .         .         .
   503. .         X.        .         .         .         .         C         W.        E .       .         .         .
   505. .         X.        .         .         .         .         C         W.        E .       .         .         .
   507. .         X.        .         .         .         .         C         W.        E .       .         .         .
 4 509. .         X.        .         .         .         .         C         W.        E .       .         .         .
   511. .         .         X         .         .         .         C         W.        E .       .         .         .
   513. .         .         .         . X       .         .         C         W.        E .       .         .         .
   515. .         .         .         .         .         X         C         W.        E .       .         .         .
   517. .         .         .         .         .         .         X         W.        E .       .         .         .
   519. .         .         .         .         .         .         .         XW.       E .       .         .         .
   521. .         .         .         .         .         .         .         .         X.        .         .         .
   523. .         .         .         .         .         .         .         .         .         .X        .         .
   525. .         .         .         .         .         .         .         .         .         .         .  X      .
 5 527. .         .         .         .         .         .         .         .         .         .         .  X BANK.

NRD=       0 ELLC=  9999999.00 ELTRD=  9999999.00

  EL(I),STA(I)
    1374.40      473.80     1364.87      490.00     1364.87      510.00     1374.40      526.20
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```
CROSS SECTION    879.05
STREAM   Q=100 YEAR
DISCHARGE=     1424.

PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

ELEV 1364.     1365.     1366.     1367.     1368.     1369.     1370.     1371.     1372.     1373.     1374.

    STA-FEET

 2 473. .         .         .         .         .         .         .         .         .         .         .    XBANK.
   475. .         .         .         .         .         .         .         .         .         .  X      .         .
   477. .         .         .         .         .         .         .         .        .X         .         .         .
   479. .         .         .         .         .         .         .        X       E .         .         .         .
   481. .         .         .         .         .         .       X .       W.       E .         .         .         .
   483. .         .         .         .         .     X   .     C   .       W.       E .         .         .         .
   485. .         .         .         .   X     .         .     C   .       W.       E .         .         .         .
   487. .         .         . X       .         .         .     C   .       W.       E .         .         .         .
 3 489. .       X.         .         .         .         .     C   .       W.       E .         .         .         .
   491. .       X.         .         .         .         .     C   .       W.       E .         .         .         .
   493. .       X.         .         .         .         .     C   .       W.       E .         .         .         .
   495. .       X.         .         .         .         .     C   .       W.       E .         .         .         .
   497. .       X.         .         .         .         .     C   .       W.       E .         .         .         .
   499. .       X.         .         .         .         .     C   .       W.       E .         .         .         .
   501. .       X.         .         .         .         .     C   .       W.       E .         .         .         .
   503. .       X.         .         .         .         .     C   .       W.       E .         .         .         .
   505. .       X.         .         .         .         .     C   .       W.       E .         .         .         .
   507. .       X.         .         .         .         .     C   .       W.       E .         .         .         .
 4 509. .       X.         .         .         .         .     C   .       W.       E .         .         .         .
   511. .         .        .X        .         .         .     C   .       W.       E .         .         .         .
   513. .         .         .       X .         .         .     C   .       W.       E .         .         .         .
   515. .         .         .         .         .   X     .     C   .       W.       E .         .         .         .
   517. .         .         .         .         .         .     X   .       W.       E .         .         .         .
   519. .         .         .         .         .         .         .      XW.       E .         .         .         .
   521. .         .         .         .         .         .         .         .        X         .         .         .
   523. .         .         .         .         .         .         .         .         .         .X        .         .
   525. .         .         .         .         .         .         .         .         .         .         .  X      .
 5 527. .         .         .         .         .         .         .         .         .         .         .    XBANK.

NRD=       0 ELLC=  9999999.00 ELTRD=  9999999.00

  EL(I),STA(I)
    1374.50      473.70     1364.89      490.00     1364.89      510.00     1374.50      526.30
```

```
CROSS SECTION    879.09
STREAM   Q=100 YEAR
DISCHARGE=     1424.

PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

ELEV 1364.     1365.     1366.     1367.     1368.     1369.     1370.     1371.     1372.     1373.     1374.

    STA-FEET

 2 473. .         .         .         .         .         .         .         .         .         .         .         .    XBANK.
   475. .         .         .         .         .         .         .         .         .         .         .  X T     .         .
   477. .         .         .         .         .         .         .         .         .        .XW     E .    T     .         .
   479. .         .         .         .         .         .         .         X         .        . W     E .    T     .         .
   481. .         .         .         .         .         .       X .   B     .         .        . W     E .    T     .         .
   483. .         .         .         .         .       X .         .   B     .         .        . W     E .    T     .         .
   485. .         .         .         .       X .         .         .   B     .         .        . W     E .    T     .         .
   487. .         .         .     X   .         .         .         .   B     .         .        . W     E .    T     .         .
 3 489. .       X.         .         .         .         .         .   B     .         .        . W     E .    T     .         .
   491. .       X.         .         .         .         .         .   B     .         .        . W     E .    T     .         .
   493. .       X.         .         .         .         .         .   B     .         .        . W     E .    T     .         .
   495. .       X.         .         .         .         .         .   B     .         .        . W     E .    T     .         .
   497. .       X.         .         .         .         .         .   B     .         .        . W     E .    T     .         .
   499. .       X.         .         .         .         .         .   B     .         .        . W     E .    T     .         .
   501. .       X.         .         .         .         .         .   B     .         .        . W     E .    T     .         .
   503. .       X.         .         .         .         .         .   B     .         .        . W     E .    T     .         .
   505. .       X.         .         .         .         .         .   B     .         .        . W     E .    T     .         .
   507. .       X.         .         .         .         .         .   B     .         .        . W     E .    T     .         .
 4 509. .       X.         .         .         .         .         .   B     .         .        . W     E .    T     .         .
   511. .         .        .X        .         .         .         .   B     .         .        . W     E .    T     .         .
   513. .         .         .         .       X .         .         .   B     .         .        . W     E .    T     .         .
   515. .         .         .         .         .       X .         .   B     .         .        . W     E .    T     .         .
   517. .         .         .         .         .         .       X .   B     .         .        . W     E .    T     .         .
   519. .         .         .         .         .         .         .       X .         .        . W     E .    T     .         .
   521. .         .         .         .         .         .         .         .         .       X W     E .    T     .         .
   523. .         .         .         .         .         .         .         .         .         .         .X   T     .         .
   525. .         .         .         .         .         .         .         .         .         .         .         .  X      .
 5 527. .         .         .         .         .         .         .         .         .         .         .         .    XBANK.

NRD=       6 ELLC=     1370.40 ELTRD=     1373.48

   473.70   1370.40   1373.48    490.00   1370.40   1373.48    510.00   1370.40   1373.48
   526.30   1370.40   1373.48
  EL(I),STA(I)
    1374.50      473.70     1364.90      490.00     1364.90      510.00     1374.50      526.30
```

```
CROSS SECTION    879.14
STREAM   Q=100 YEAR
DISCHARGE=     1424.

PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

ELEV 1364.     1365.     1366.     1367.     1368.     1369.     1370.     1371.     1372.     1373.     1374.

   STA-FEET

 2 473. .         .         .         .         .         .         .         .         .         .         .    XBANK.
   475. .         .         .         .         .         .         .         .         .         .   X     .         .
   477. .         .         .         .         .         .         .         .        .XW     E .         .         .
   479. .         .         .         .         .         .         .        X         . W     E .         .         .
   481. .         .         .         .         .         .       X .         .         . W     E .         .         .
   483. .         .         .         .         .     X   .     C   .         .         . W     E .         .         .
   485. .         .         .         .   X     .         .     C   .         .         . W     E .         .         .
   487. .         .         .  X      .         .         .     C   .         .         . W     E .         .         .
 3 489. .       X.         .         .         .         .     C   .         .         . W     E .         .         .
   491. .       X.         .         .         .         .     C   .         .         . W     E .         .         .
   493. .       X.         .         .         .         .     C   .         .         . W     E .         .         .
   495. .       X.         .         .         .         .     C   .         .         . W     E .         .         .
   497. .       X.         .         .         .         .     C   .         .         . W     E .         .         .
   499. .       X.         .         .         .         .     C   .         .         . W     E .         .         .
   501. .       X.         .         .         .         .     C   .         .         . W     E .         .         .
   503. .       X.         .         .         .         .     C   .         .         . W     E .         .         .
   505. .       X.         .         .         .         .     C   .         .         . W     E .         .         .
   507. .       X.         .         .         .         .     C   .         .         . W     E .         .         .
 4 509. .       X.         .         .         .         .     C   .         .         . W     E .         .         .
   511. .         .        .X        .         .         .     C   .         .         . W     E .         .         .
   513. .         .         .         .   X     .         .     C   .         .         . W     E .         .         .
   515. .         .         .         .         .   X     .     C   .         .         . W     E .         .         .
   517. .         .         .         .         .         .     X   .         .         . W     E .         .         .
   519. .         .         .         .         .         .         .       X .         . W     E .         .         .
   521. .         .         .         .         .         .         .         .        X W     E .         .         .
   523. .         .         .         .         .         .         .         .         .         .X        .         .
   525. .         .         .         .         .         .         .         .         .         .         .   X     .
 5 527. .         .         .         .         .         .         .         .         .         .         .    XBANK.

NRD=       0 ELLC=  9999999.00 ELTRD=  9999999.00

  EL(I),STA(I)
    1374.50      473.70     1364.91      490.00     1364.91      510.00     1374.50      526.30
```

CROSS SECTION 879.39
STREAM Q=100 YEAR
DISCHARGE= 1424.

PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

```
ELEV 1364.     1365.     1366.     1367.     1368.     1369.     1370.     1371.     1372.     1373.     1374.

    STA-FEET

 2 473. .         .         .         .         .         .         .         .         .         .         .         .   XBANK.
   475. .         .         .         .         .         .         .         .         .         .         .   X     .         .
   477. .         .         .         .         .         .         .         .         .   X     E         .         .         .
   479. .         .         .         .         .         .         .         X         .   W     E         .         .         .
   481. .         .         .         .         .         .       X .         .         .   W     E         .         .         .
   483. .         .         .         .         .       X .       C .         .         .   W     E         .         .         .
   485. .         .         .         .       X .         .       C .         .         .   W     E         .         .         .
   487. .         .         .       X .         .         .       C .         .         .   W     E         .         .         .
 3 489. .         X         .         .         .         .       C .         .         .   W     E         .         .         .
   491. .         X         .         .         .         .       C .         .         .   W     E         .         .         .
   493. .         X         .         .         .         .       C .         .         .   W     E         .         .         .
   495. .         X         .         .         .         .       C .         .         .   W     E         .         .         .
   497. .         X         .         .         .         .       C .         .         .   W     E         .         .         .
   499. .         X         .         .         .         .       C .         .         .   W     E         .         .         .
   501. .         X         .         .         .         .       C .         .         .   W     E         .         .         .
   503. .         X         .         .         .         .       C .         .         .   W     E         .         .         .
   505. .         X         .         .         .         .       C .         .         .   W     E         .         .         .
   507. .         X         .         .         .         .       C .         .         .   W     E         .         .         .
 4 509. .         X         .         .         .         .       C .         .         .   W     E         .         .         .
   511. .         .         .X        .         .         .       C .         .         .   W     E         .         .         .
   513. .         .         .         .       X .         .       C .         .         .   W     E         .         .         .
   515. .         .         .         .         .       X .       C .         .         .   W     E         .         .         .
   517. .         .         .         .         .         .       X .         .         .   W     E         .         .         .
   519. .         .         .         .         .         .         .         X .         .   W     E         .         .         .
   521. .         .         .         .         .         .         .         .         X W     E         .         .         .
   523. .         .         .         .         .         .         .         .         .         .         .   X     .         .
   525. .         .         .         .         .         .         .         .         .         .         .         .   X     .
 5 527. .         .         .         .         .         .         .         .         .         .         .         .   XBANK.

NRD=       0 ELLC=  9999999.00 ELTRD=  9999999.00

  EL(I),STA(I)
    1374.50      473.70      1364.96      490.00      1364.96      510.00      1374.50      526.30
```

```
CROSS SECTION    879.64
STREAM   Q=100 YEAR
DISCHARGE=     1643.

PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

ELEV 1365.     1366.     1367.     1368.     1369.     1370.     1371.     1372.     1373.     1374.     1375.

    STA-FEET

 2 473. .         .         .         .         .         .         .         .         .         .    X    .     BANK.
   475. .         .         .         .         .         .         .         .         .    X    .         .         .
   477. .         .         .         .         .         .         .         . X     E.         .         .         .
   479. .         .         .         .         .         .         X         .W        E.         .         .         .
   481. .         .         .         .         .       X .C        .         .W        E.         .         .         .
   483. .         .         .         .       X .         .C        .         .W        E.         .         .         .
   485. .         .         .     X   .         .         .C        .         .W        E.         .         .         .
   487. .         .   X     .         .         .         .C        .         .W        E.         .         .         .
 3 489. X         .         .         .         .         .C        .         .W        E.         .         .         .
   491. X         .         .         .         .         .C        .         .W        E.         .         .         .
   493. X         .         .         .         .         .C        .         .W        E.         .         .         .
   495. X         .         .         .         .         .C        .         .W        E.         .         .         .
   497. X         .         .         .         .         .C        .         .W        E.         .         .         .
   499. X         .         .         .         .         .C        .         .W        E.         .         .         .
   501. X         .         .         .         .         .C        .         .W        E.         .         .         .
   503. X         .         .         .         .         .C        .         .W        E.         .         .         .
   505. X         .         .         .         .         .C        .         .W        E.         .         .         .
   507. X         .         .         .         .         .C        .         .W        E.         .         .         .
 4 509. X         .         .         .         .         .C        .         .W        E.         .         .         .
   511. .         . X       .         .         .         .C        .         .W        E.         .         .         .
   513. .         .         . X       .         .         .C        .         .W        E.         .         .         .
   515. .         .         .         .     X   .         .C        .         .W        E.         .         .         .
   517. .         .         .         .         .       X .C        .         .W        E.         .         .         .
   519. .         .         .         .         .         .         X .       .W        E.         .         .         .
   521. .         .         .         .         .         .         .         XW        E.         .         .         .
   523. .         .         .         .         .         .         .         .         . X       .         .         .
   525. .         .         .         .         .         .         .         .         .         . X       .         .
 5 527. .         .         .         .         .         .         .         .         .         .    X    .     BANK.

NRD=       0 ELLC=  9999999.00 ELTRD=  9999999.00

  EL(I),STA(I)
    1374.50      473.70     1365.01      490.00     1365.01      510.00     1374.50      526.30
```

```
CROSS SECTION    879.74
STREAM   Q=100 YEAR
DISCHARGE=     1643.

PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

ELEV 1365.     1366.     1367.     1368.     1369.     1370.     1371.     1372.     1373.     1374.     1375.

   STA-FEET

 2 472. .         .         .         .         .         .         .         .         .         .         .X    BANK.
   474. .         .         .         .         .         .         .         .         .         X.        .         .
   476. .         .         .         .         .         .         .         .       X E.        .         .         .
   478. .         .         .         .         .         .         .       X .W        E.        .         .         .
   480. .         .         .         .         .         .       X .         .W        E.        .         .         .
   482. .         .         .         .         . X       .C        .         .W        E.        .         .         .
   484. .         .         .         X         .         .C        .         .W        E.        .         .         .
   486. .         .         X.        .         .         .C        .         .W        E.        .         .         .
   488. .       X .         .         .         .         .C        .         .W        E.        .         .         .
 3 490. X         .         .         .         .         .C        .         .W        E.        .         .         .
   492. X         .         .         .         .         .C        .         .W        E.        .         .         .
   494. X         .         .         .         .         .C        .         .W        E.        .         .         .
   496. X         .         .         .         .         .C        .         .W        E.        .         .         .
   498. X         .         .         .         .         .C        .         .W        E.        .         .         .
   500. X         .         .         .         .         .C        .         .W        E.        .         .         .
   502. X         .         .         .         .         .C        .         .W        E.        .         .         .
   504. X         .         .         .         .         .C        .         .W        E.        .         .         .
   506. X         .         .         .         .         .C        .         .W        E.        .         .         .
   508. X         .         .         .         .         .C        .         .W        E.        .         .         .
 4 510. X         .         .         .         .         .C        .         .W        E.        .         .         .
   512. .         . X       .         .         .         .C        .         .W        E.        .         .         .
   514. .         .         . X       .         .         .C        .         .W        E.        .         .         .
   516. .         .         .         . X       .         .C        .         .W        E.        .         .         .
   518. .         .         .         .         . X       .C        .         .W        E.        .         .         .
   520. .         .         .         .         .         .         . X       .W        E.        .         .         .
   522. .         .         .         .         .         .         .         .X        E.        .         .         .
   524. .         .         .         .         .         .         .         .         .  X      .         .         .
   526. .         .         .         .         .         .         .         .         .         . X       .         .
 5 528. .         .         .         .         .         .         .         .         .         .         . X   BANK.

NRD=       0 ELLC=  9999999.00 ELTRD=  9999999.00

  EL(I),STA(I)
    1375.10      472.90     1365.03      490.00     1365.03      510.00     1375.20      527.30
```

```
CROSS SECTION     879.84
STREAM   Q=100 YEAR
DISCHARGE=      1643.

PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

ELEV 1365.     1366.     1367.     1368.     1369.     1370.     1371.     1372.     1373.     1374.     1375.


   STA-FEET

 2 471. .         .         .         .         .         .         .                   .         .         .X    BANK.
   473. .         .         .         .         .         .         .                   .         .X        .         .
   475. .         .         .         .         .         .         .                   .X        .         .         .
   477. .         .         .         .         .         .         .         X         E.        .         .         .
   479. .         .         .         .         .         .         .X        W         E.        .         .         .
   481. .         .         .         .         .         .X   C    .         W         E.        .         .         .
   483. .         .         .         .         .X        .    C    .         W         E.        .         .         .
   485. .         .         .         .X        .         .    C    .         W         E.        .         .         .
   487. .         .         .X        .         .         .    C    .         W         E.        .         .         .
   489. .         .X        .         .         .         .    C    .         W         E.        .         .         .
 3 491. .X        .         .         .         .         .    C    .         W         E.        .         .         .
   493. .X        .         .         .         .         .    C    .         W         E.        .         .         .
   495. .X        .         .         .         .         .    C    .         W         E.        .         .         .
   497. .X        .         .         .         .         .    C    .         W         E.        .         .         .
   499. .X        .         .         .         .         .    C    .         W         E.        .         .         .
   501. .X        .         .         .         .         .    C    .         W         E.        .         .         .
   503. .X        .         .         .         .         .    C    .         W         E.        .         .         .
   505. .X        .         .         .         .         .    C    .         W         E.        .         .         .
 4 507. .X        .         .         .         .         .    C    .         W         E.        .         .         .
   509. .         .X        .         .         .         .    C    .         W         E.        .         .         .
   511. .         .         .X        .         .         .    C    .         W         E.        .         .         .
   513. .         .         .         .X        .         .    C    .         W         E.        .         .         .
   515. .         .         .         .         .X        .    C    .         W         E.        .         .         .
   517. .         .         .         .         .         .X   C    .         W         E.        .         .         .
   519. .         .         .         .         .         .         .X        W         E.        .         .         .
   521. .         .         .         .         .         .         .         X         E.        .         .         .
   523. .         .         .         .         .         .         .                   .X        .         .         .
   525. .         .         .         .         .         .         .                   .         .X        .         .
   527. .         .         .         .         .         .         .                   .         .         .X        .
 5 529. .         .         .         .         .         .         .                   .         .         .  X  BANK.

NRD=       0 ELLC=  9999999.00 ELTRD=  9999999.00

  EL(I),STA(I)
    1375.10      471.90     1365.05      492.00     1365.05      508.00     1375.30      528.50
```

```
CROSS SECTION    879.99
STREAM   Q=100 YEAR
DISCHARGE=     1643.

PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

ELEV 1365.     1366.     1367.     1368.     1369.     1370.     1371.     1372.     1373.     1374.     1375.

    STA-FEET

 2 473. .         .         .         .         .         .         .                                   .     X   .     BANK.
   475. .         .         .         .         .         .         .                         X         .         .         .
   477. .         .         .         .         .         .         .                   X   E           .         .         .
   479. .         .         .         .         .         .         .         X   W         E           .         .         .
   481. .         .         .         .         .         .     X   .         W         E           .         .         .
   483. .         .         .         .         .     X   .     C   .         W         E           .         .         .
   485. .         .         .         .     X   .         .     C   .         W         E           .         .         .
   487. .         .         .     X   .         .         .     C   .         W         E           .         .         .
   489. .         .     X   .         .         .         .     C   .         W         E           .         .         .
 3 491. .X        .         .         .         .         .     C   .         W         E           .         .         .
   493. .X        .         .         .         .         .     C   .         W         E           .         .         .
   495. .X        .         .         .         .         .     C   .         W         E           .         .         .
   497. .X        .         .         .         .         .     C   .         W         E           .         .         .
   499. .X        .         .         .         .         .     C   .         W         E           .         .         .
   501. .X        .         .         .         .         .     C   .         W         E           .         .         .
   503. .X        .         .         .         .         .     C   .         W         E           .         .         .
   505. .X        .         .         .         .         .     C   .         W         E           .         .         .
 4 507. .X        .         .         .         .         .     C   .         W         E           .         .         .
   509. .         .X        .         .         .         .     C   .         W         E           .         .         .
   511. .         .         .X        .         .         .     C   .         W         E           .         .         .
   513. .         .         .         .X        .         .     C   .         W         E           .         .         .
   515. .         .         .         .         .X        .     C   .         W         E           .         .         .
   517. .         .         .         .         .         .X    C   .         W         E           .         .         .
   519. .         .         .         .         .         .         .X        W         E           .         .         .
   521. .         .         .         .         .         .         .         X         E           .         .         .
   523. .         .         .         .         .         .         .                   X           .         .         .
   525. .         .         .         .         .         .         .                               .X        .         .
 5 527. .         .         .         .         .         .         .                               .     X   .     BANK.

NRD=       0 ELLC=  9999999.00 ELTRD=  9999999.00

  EL(I),STA(I)
    1374.60      473.00     1365.08      492.00     1365.08      508.00     1374.60      527.00
```

CROSS SECTION 883.00
STREAM Q=100 YEAR
DISCHARGE= 1643.

PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,F=ENERGY GRADIENT,C=CRITICAL WSEL

```
ELEV 1369.     1370.     1371.     1372.     1373.     1374.     1375.     1376.     1377.     1378.     1379.

   STA-FEET

 2 473. .         .         .         .         .         .                   .         .         .         X     BANK.
   475. .         .         .         .         .         .                   .         .         X         .         .
   477. .         .         .         .         .         .                   .         X         .         .         .
   479. .         .         .         .         .         .                   X         E.        .         .         .
   481. .         .         .         .         .         .         X         .         E.        .         .         .
   483. .         .         .         .         .         X         W         .         E.        .         .         .
   485. .         .         .         .         X         .         W         .         E.        .         .         .
   487. .         .         .         X         .         .         W         .         E.        .         .         .
   489. .         .         X         .         .         .         W         .         E.        .         .         .
 3 491. .    X    .         .         .         .         .         W         .         E.        .         .         .
   493. .    X    .         .         .         .         .         W         .         E.        .         .         .
   495. .    X    .         .         .         .         .         W         .         E.        .         .         .
   497. .    X    .         .         .         .         .         W         .         E.        .         .         .
   499. .    X    .         .         .         .         .         W         .         E.        .         .         .
   501. .    X    .         .         .         .         .         W         .         E.        .         .         .
   503. .    X    .         .         .         .         .         W         .         E.        .         .         .
   505. .    X    .         .         .         .         .         W         .         E.        .         .         .
 4 507. .    X    .         .         .         .         .         W         .         E.        .         .         .
   509. .         .    X    .         .         .         .         W         .         E.        .         .         .
   511. .         .         .    X    .         .         .         W         .         E.        .         .         .
   513. .         .         .         .    X    .         .         W         .         E.        .         .         .
   515. .         .         .         .         .    X    .         W         .         E.        .         .         .
   517. .         .         .         .         .         .    X    W         .         E.        .         .         .
   519. .         .         .         .         .         .              X    .         E.        .         .         .
   521. .         .         .         .         .         .                   .    X    E.        .         .         .
   523. .         .         .         .         .         .                   .         .         X         .         .
   525. .         .         .         .         .         .                   .         .         .         X         .
 5 527. .         .         .         .         .         .                   .         .         .         .         X     BANK.
```

NRD= 0 ELLC= 9999999.00 ELTRD= 9999999.00

EL(I),STA(I)
1379.00 473.00 1369.54 492.00 1369.54 508.00 1379.00 527.00

CROSS SECTION 883.48
STREAM Q=100 YEAR
DISCHARGE= 1643.

PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

```
ELEV 1369.     1370.     1371.     1372.     1373.     1374.     1375.     1376.     1377.     1378.     1379.

   STA-FEET

 2 473. .         .         .         .         .         .         .         .         .         .         . X   BANK.
   475. .         .         .         .         .         .         .         .         .         . X       .         .
   477. .         .         .         .         .         .         .         .         . X       .         .         .
   479. .         .         .         .         .         .         .         . X       . E       .         .         .
   481. .         .         .         .         .         .         . X       .         . E       .         .         .
   483. .         .         .         .         .         .   X     . W       .         . E       .         .         .
   485. .         .         .         .         . X       .         . W       .         . E       .         .         .
   487. .         .         .         . X       .         .         . W       .         . E       .         .         .
   489. .         .         . X       .         .         .         . W       .         . E       .         .         .
 3 491. .       X .         .         .         .         .         . W       .         . E       .         .         .
   493. .       X .         .         .         .         .         . W       .         . E       .         .         .
   495. .       X .         .         .         .         .         . W       .         . E       .         .         .
   497. .       X .         .         .         .         .         . W       .         . E       .         .         .
   499. .       X .         .         .         .         .         . W       .         . E       .         .         .
   501. .       X .         .         .         .         .         . W       .         . E       .         .         .
   503. .       X .         .         .         .         .         . W       .         . E       .         .         .
   505. .       X .         .         .         .         .         . W       .         . E       .         .         .
 4 507. .       X .         .         .         .         .         . W       .         . E       .         .         .
   509. .         .       X .         .         .         .         . W       .         . E       .         .         .
   511. .         .         .       X .         .         .         . W       .         . E       .         .         .
   513. .         .         .         .       X .         .         . W       .         . E       .         .         .
   515. .         .         .         .         .       X .         . W       .         . E       .         .         .
   517. .         .         .         .         .         .   X     . W       .         . E       .         .         .
   519. .         .         .         .         .         .         .       X .         . E       .         .         .
   521. .         .         .         .         .         .         .         .       X . E       .         .         .
   523. .         .         .         .         .         .         .         .         .         X .         .         .
   525. .         .         .         .         .         .         .         .         .         .       X .         .
 5 527. .         .         .         .         .         .         .         .         .         .         . X   BANK.

NRD=       0 ELLC=  9999999.00 ELTRD=  9999999.00

  EL(I),STA(I)
    1379.20      473.00      1369.80      492.00      1369.80      508.00      1379.20      527.00
```

```
CROSS SECTION    883.73
STREAM   Q=100 YEAR
DISCHARGE=     1643.

PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

ELEV 1369.     1370.     1371.     1372.     1373.     1374.     1375.     1376.     1377.     1378.     1379.

    STA-FEET

 3 488. .         XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXBANK.
   490. .         X         .         .         .         .         .W        .         .         E .         .         .
   492. .         X         .         .         .         .         .W        .         .         E .         .         .
   494. .         X         .         .         .         .         .W        .         .         E .         .         .
   496. .         X         .         .         .         .         .W        .         .         E .         .         .
   498. .         X         .         .         .         .         .W        .         .         E .         .         .
   500. .         X         .         .         .         .         .W        .         .         E .         .         .
   502. .         X         .         .         .         .         .W        .         .         E .         .         .
   504. .         X         .         .         .         .         .W        .         .         E .         .         .
   506. .         X         .         .         .         .         .W        .         .         E .         .         .
   508. .         X         .         .         .         .         .W        .         .         E .         .         .
   510. .         X         .         .         .         .         .W        .         .         E .         .         .
 5 512. .         XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXBANK.

NRD=       0 ELLC=  9999999.00 ELTRD=  9999999.00

  EL(I),STA(I)
    1379.50      487.50     1369.98      487.50     1369.98      512.50     1379.50      512.50
```

```
CROSS SECTION    885.11
STREAM   Q=100 YEAR
DISCHARGE=     1643.


PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

ELEV 1370.     1371.     1372.     1373.     1374.     1375.     1376.     1377.     1378.     1379.     1380.


    STA-FEET

 3 488. .        XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXBXXXXXXXXXTXXXXX BANK.
   490. .        X.          .         .         .         .         .         . W       .         B.        T.         .
   492. .        X.          .         .         .         .         .         . W       .         B.        T.         .
   494. .        X.          .         .         .         .         .         . W       .         B.        T.         .
   496. .        X.          .         .         .         .         .         . W       .         B.        T.         .
   498. .        X.          .         .         .         .         .         . W       .         B.        T.         .
   500. .        X.          .         .         .         .         .         . W       .         B.        T.         .
   502. .        X.          .         .         .         .         .         . W       .         B.        T.         .
   504. .        X.          .         .         .         .         .         . W       .         B.        T.         .
   506. .        X.          .         .         .         .         .         . W       .         B.        T.         .
   508. .        X.          .         .         .         .         .         . W       .         B.        T.         .
   510. .        X.          .         .         .         .         .         . W       .         B.        T.         .
 5 512. .        XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX XXXXXXXXX XXXXX BANK.

NRD=       6 ELLC=     1378.89 ELTRD=      1379.89

   475.00   1378.89   1379.89     487.50   1378.89   1379.89     512.50   1378.89   1379.89
   525.00   1378.89   1379.89
  EL(I),STA(I)
    1380.40      487.50     1370.89      487.50     1370.89      512.50     1380.40      512.50
```

```
CROSS SECTION    885.37
STREAM   Q=100 YEAR
DISCHARGE=     1643.

PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

ELEV 1371.     1372.     1373.     1374.     1375.     1376.     1377.     1378.     1379.     1380.     1381.

   STA-FEET

 2 475. .         .         .         .         .         .                   .         .         .         X .     BANK.
   477. .         .         .         .         .         .                   .         .         X .         .         .
   479. .         .         .         .         .         .                   .         X  .E       .         .         .
   481. .         .         .         .         .         .         X         .         .E        .         .         .
   483. .         .         .         .         .         .         X   C W   .         .E        .         .         .
   485. .         .         .         .         .         X         .   C W   .         .E        .         .         .
   487. .         .         .         .         X         .         .   C W   .         .E        .         .         .
   489. .         .         .         X         .         .         .   C W   .         .E        .         .         .
   491. .         .         X         .         .         .         .   C W   .         .E        .         .         .
 3 493. X         .         .         .         .         .         .   C W   .         .E        .         .         .
   495. X         .         .         .         .         .         .   C W   .         .E        .         .         .
   497. X         .         .         .         .         .         .   C W   .         .E        .         .         .
   499. X         .         .         .         .         .         .   C W   .         .E        .         .         .
   501. X         .         .         .         .         .         .   C W   .         .E        .         .         .
   503. X         .         .         .         .         .         .   C W   .         .E        .         .         .
 4 505. X         .         .         .         .         .         .   C W   .         .E        .         .         .
   507. .         X         .         .         .         .         .   C W   .         .E        .         .         .
   509. .         .         X         .         .         .         .   C W   .         .E        .         .         .
   511. .         .         .         X         .         .         .   C W   .         .E        .         .         .
   513. .         .         .         .         X         .         .   C W   .         .E        .         .         .
   515. .         .         .         .         .         X         .   C W   .         .E        .         .         .
   517. .         .         .         .         .         .         .   XW    .         .E        .         .         .
   519. .         .         .         .         .         .         .         .         .E        .         .         .
   521. .         .         .         .         .         .         .         .         . X       .         .         .
   523. .         .         .         .         .         .         .         .         .         . X       .         .
 5 525. .         .         .         .         .         .         .         .         .         .         X .     BANK.

NRD=       0 ELLC=  9999999.00 ELTRD=  9999999.00

  EL(I),STA(I)
    1380.70      475.00     1371.02      494.00     1371.02      506.00     1380.70      525.00
```

```
CROSS SECTION    889.45
STREAM   Q=100 YEAR
DISCHARGE=     1643.

PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

ELEV 1373.     1374.     1375.     1376.     1377.     1378.     1379.     1380.     1381.     1382.     1383.

   STA-FEET

 2 475. .         .         .         .         .         .         .         .         .         .         X .     BANK.
   477. .         .         .         .         .         .         .         .         .         X .         .         .
   479. .         .         .         .         .         .         .         .         X . E       .         .         .
   481. .         .         .         .         .         .         .         X .         . E       .         .         .
   483. .         .         .         .         .         .         X . W       .         . E       .         .         .
   485. .         .         .         .         .         X .         . W       .         . E       .         .         .
   487. .         .         .         .         X .         .         . W       .         . E       .         .         .
   489. .         .         .         X .         .         .         . W       .         . E       .         .         .
   491. .         .         X .         .         .         .         . W       .         . E       .         .         .
 3 493. . X       .         .         .         .         .         . W       .         . E       .         .         .
   495. . X       .         .         .         .         .         . W       .         . E       .         .         .
   497. . X       .         .         .         .         .         . W       .         . E       .         .         .
   499. . X       .         .         .         .         .         . W       .         . E       .         .         .
   501. . X       .         .         .         .         .         . W       .         . E       .         .         .
   503. . X       .         .         .         .         .         . W       .         . E       .         .         .
 4 505. . X       .         .         .         .         .         . W       .         . E       .         .         .
   507. .         . X       .         .         .         .         . W       .         . E       .         .         .
   509. .         .         . X       .         .         .         . W       .         . E       .         .         .
   511. .         .         .         . X       .         .         . W       .         . E       .         .         .
   513. .         .         .         .         . X       .         . W       .         . E       .         .         .
   515. .         .         .         .         .         . X       . W       .         . E       .         .         .
   517. .         .         .         .         .         .         . X       .         . E       .         .         .
   519. .         .         .         .         .         .         .         . X       . E       .         .         .
   521. .         .         .         .         .         .         .         .         . X       .         .         .
   523. .         .         .         .         .         .         .         .         .         . X       .         .
 5 525. .         .         .         .         .         .         .         .         .         .         X .     BANK.

NRD=       0 ELLC=  9999999.00 ELTRD=  9999999.00

  EL(I),STA(I)
    1382.70      475.00     1373.22      494.00     1373.22      506.00     1382.70      525.00
```

```
CROSS SECTION    889.88
STREAM   Q=100 YEAR
DISCHARGE=     1643.

PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

ELEV 1373.     1374.     1375.     1376.     1377.     1378.     1379.     1380.     1381.     1382.     1383.

   STA-FEET

 2 474. .         .         .         .         .         .         .         .         .         .         . X   BANK.
   476. .         .         .         .         .         .         .         .         .         . X       .         .
   478. .         .         .         .         .         .         .         .         . X E     .         .         .
   480. .         .         .         .         .         .         .         . X       .   E     .         .         .
   482. .         .         .         .         .         .         . XC   W  .         .   E     .         .         .
   484. .         .         .         .         .         . X       .  C   W  .         .   E     .         .         .
   486. .         .         .         .         . X       .         .  C   W  .         .   E     .         .         .
   488. .         .         .         . X       .         .         .  C   W  .         .   E     .         .         .
   490. .         .         . X       .         .         .         .  C   W  .         .   E     .         .         .
   492. .         . X       .         .         .         .         .  C   W  .         .   E     .         .         .
 3 494. .  X      .         .         .         .         .         .  C   W  .         .   E     .         .         .
   496. .  X      .         .         .         .         .         .  C   W  .         .   E     .         .         .
   498. .  X      .         .         .         .         .         .  C   W  .         .   E     .         .         .
   500. .  X      .         .         .         .         .         .  C   W  .         .   E     .         .         .
   502. .  X      .         .         .         .         .         .  C   W  .         .   E     .         .         .
   504. .  X      .         .         .         .         .         .  C   W  .         .   E     .         .         .
 4 506. .  X      .         .         .         .         .         .  C   W  .         .   E     .         .         .
   508. .         . X       .         .         .         .         .  C   W  .         .   E     .         .         .
   510. .         .         . X       .         .         .         .  C   W  .         .   E     .         .         .
   512. .         .         .         . X       .         .         .  C   W  .         .   E     .         .         .
   514. .         .         .         .         . X       .         .  C   W  .         .   E     .         .         .
   516. .         .         .         .         .         . X       .  C   W  .         .   E     .         .         .
   518. .         .         .         .         .         .         .  X   W  .         .   E     .         .         .
   520. .         .         .         .         .         .         .         . X       .   E     .         .         .
   522. .         .         .         .         .         .         .         .         . XE      .         .         .
   524. .         .         .         .         .         .         .         .         .         . X       .         .
 5 526. .         .         .         .         .         .         .         .         .         .         .   XBANK.

NRD=       0 ELLC=  9999999.00 ELTRD=  9999999.00

  EL(I),STA(I)
    1383.20      474.20     1373.31      494.00     1373.31      506.00     1383.50      526.40
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```
CROSS SECTION    889.98
STREAM   Q=100 YEAR
DISCHARGE=     1643.

PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

ELEV 1373.     1374.     1375.     1376.     1377.     1378.     1379.     1380.     1381.     1382.     1383.


   STA-FEET

 2 474. .         .         .         .         .         .         .         .         .         .         .  X  BANK.
   476. .         .         .         .         .         .         .         .         .         .X        .        .
   478. .         .         .         .         .         .         .         .       X .    E    .         .        .
   480. .         .         .         .         .         .         .       X .      W .    E    .         .        .
   482. .         .         .         .         .         .        XC       .         .      W .    E    .         .        .
   484. .         .         .         .         .X        .         C       .         .      W .    E    .         .        .
   486. .         .         .       X .         .         .         C       .         .      W .    E    .         .        .
   488. .         .     X   .         .         .         .         C       .         .      W .    E    .         .        .
 3 490. .   X     .         .         .         .         .         C       .         .      W .    E    .         .        .
   492. .   X     .         .         .         .         .         C       .         .      W .    E    .         .        .
   494. .   X     .         .         .         .         .         C       .         .      W .    E    .         .        .
   496. .   X     .         .         .         .         .         C       .         .      W .    E    .         .        .
   498. .   X     .         .         .         .         .         C       .         .      W .    E    .         .        .
   500. .   X     .         .         .         .         .         C       .         .      W .    E    .         .        .
   502. .   X     .         .         .         .         .         C       .         .      W .    E    .         .        .
   504. .   X     .         .         .         .         .         C       .         .      W .    E    .         .        .
   506. .   X     .         .         .         .         .         C       .         .      W .    E    .         .        .
   508. .   X     .         .         .         .         .         C       .         .      W .    E    .         .        .
 4 510. .   X     .         .         .         .         .         C       .         .      W .    E    .         .        .
   512. .         .     X   .         .         .         .         C       .         .      W .    E    .         .        .
   514. .         .         .       X .         .         .         C       .         .      W .    E    .         .        .
   516. .         .         .         .         .X        .         C       .         .      W .    E    .         .        .
   518. .         .         .         .         .         .        XC       .         .      W .    E    .         .        .
   520. .         .         .         .         .         .         .       X .      W .    E    .         .        .
   522. .         .         .         .         .         .         .         .       X .    E    .         .        .
   524. .         .         .         .         .         .         .         .         .         .X        .        .
 5 526. .         .         .         .         .         .         .         .         .         .         .   XBANK.

NRD=       0 ELLC=  9999999.00 ELTRD=  9999999.00

  EL(I),STA(I)
    1383.30      474.00     1373.33      490.00     1373.33      510.00     1383.50      526.30
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```
CROSS SECTION    890.08
STREAM   Q=100 YEAR
DISCHARGE=      1643.


PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

ELEV 1373.     1374.     1375.     1376.     1377.     1378.     1379.     1380.     1381.     1382.     1383.


    STA-FEET

 2 473.  .         .         .         .         .         .         .         .         .         .         .    BANK.
   475.  .         .         .         .         .         .         .         .         .         .  X      .         .
   477.  .         .         .         .         .         .         .         .         .X   E    .         .         .
   479.  .         .         .         .         .         .         .       X .      W  .    E    .         .         .
   481.  .         .         .         .         .         .     X   .         .      W  .    E    .         .         .
   483.  .         .         .         .         .  X      .    C    .         .      W  .    E    .         .         .
   485.  .         .         .         .X        .         .    C    .         .      W  .    E    .         .         .
   487.  .         .       X .         .         .         .    C    .         .      W  .    E    .         .         .
 3 489.  .  X      .         .         .         .         .    C    .         .      W  .    E    .         .         .
   491.  .  X      .         .         .         .         .    C    .         .      W  .    E    .         .         .
   493.  .  X      .         .         .         .         .    C    .         .      W  .    E    .         .         .
   495.  .  X      .         .         .         .         .    C    .         .      W  .    E    .         .         .
   497.  .  X      .         .         .         .         .    C    .         .      W  .    E    .         .         .
   499.  .  X      .         .         .         .         .    C    .         .      W  .    E    .         .         .
   501.  .  X      .         .         .         .         .    C    .         .      W  .    E    .         .         .
   503.  .  X      .         .         .         .         .    C    .         .      W  .    E    .         .         .
   505.  .  X      .         .         .         .         .    C    .         .      W  .    E    .         .         .
   507.  .  X      .         .         .         .         .    C    .         .      W  .    E    .         .         .
 4 509.  .  X      .         .         .         .         .    C    .         .      W  .    E    .         .         .
   511.  .         .     X   .         .         .         .    C    .         .      W  .    E    .         .         .
   513.  .         .         .       X .         .         .    C    .         .      W  .    E    .         .         .
   515.  .         .         .         .         .X        .    C    .         .      W  .    E    .         .         .
   517.  .         .         .         .         .         .  X C    .         .      W  .    E    .         .         .
   519.  .         .         .         .         .         .         .     X   .      W  .    E    .         .         .
   521.  .         .         .         .         .         .         .         .       X .    E    .         .         .
   523.  .         .         .         .         .         .         .         .         .         .X        .         .
   525.  .         .         .         .         .         .         .         .         .         .         .  X      .
 5 527.  .         .         .         .         .         .         .         .         .         .         .    BANK.

NRD=        0 ELLC=  9999999.00 ELTRD=  9999999.00

  EL(I),STA(I)
    1383.60        473.60      1373.35        490.00      1373.35        510.00      1383.60        526.40
```

```
CROSS SECTION    890.12
STREAM   Q=100 YEAR
DISCHARGE=     1643.

PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

ELEV 1373.     1374.     1375.     1376.     1377.     1378.     1379.     1380.     1381.     1382.     1383.

   STA-FEET

 2 473. .         .         .         .         .         .         .         .         .         .         .     BANK.
   475. .         .         .         .         .         .         .         .         .         .  X      .T        .
   477. .         .         .         .         .         .         .         .         .X     W  .  E      .T        .
   479. .         .         .         .         .         .         .       X .B        .     W  .  E      .T        .
   481. .         .         .         .         .         .       X .         .B        .     W  .  E      .T        .
   483. .         .         .         .         .   X     .         .         .B        .     W  .  E      .T        .
   485. .         .         .         .X        .         .         .         .B        .     W  .  E      .T        .
   487. .         .       X .         .         .         .         .         .B        .     W  .  E      .T        .
 3 489. .  X      .         .         .         .         .         .         .B        .     W  .  E      .T        .
   491. .  X      .         .         .         .         .         .         .B        .     W  .  E      .T        .
   493. .  X      .         .         .         .         .         .         .B        .     W  .  E      .T        .
   495. .  X      .         .         .         .         .         .         .B        .     W  .  E      .T        .
   497. .  X      .         .         .         .         .         .         .B        .     W  .  E      .T        .
   499. .  X      .         .         .         .         .         .         .B        .     W  .  E      .T        .
   501. .  X      .         .         .         .         .         .         .B        .     W  .  E      .T        .
   503. .  X      .         .         .         .         .         .         .B        .     W  .  E      .T        .
   505. .  X      .         .         .         .         .         .         .B        .     W  .  E      .T        .
   507. .  X      .         .         .         .         .         .         .B        .     W  .  E      .T        .
 4 509. .  X      .         .         .         .         .         .         .B        .     W  .  E      .T        .
   511. .         .       X .         .         .         .         .         .B        .     W  .  E      .T        .
   513. .         .         .       X .         .         .         .         .B        .     W  .  E      .T        .
   515. .         .         .         .         .X        .         .         .B        .     W  .  E      .T        .
   517. .         .         .         .         .         .       X .         .B        .     W  .  E      .T        .
   519. .         .         .         .         .         .         .       X .B        .     W  .  E      .T        .
   521. .         .         .         .         .         .         .         .       X .     W  .  E      .T        .
   523. .         .         .         .         .         .         .         .         .  .X E      .T        .
   525. .         .         .         .         .         .         .         .         .         .  X      .
 5 527. .         .         .         .         .         .         .         .         .         .     BANK.

NRD=       6 ELLC=     1380.05 ELTRD=     1383.13

   473.60   1380.05   1383.13    490.00   1380.05   1383.13    510.00   1380.05   1383.13
   526.40   1380.05   1383.13
  EL(I),STA(I)
    1383.60      473.60     1373.35      490.00     1373.35      510.00     1383.60      526.40
```

CROSS SECTION 890.17
STREAM Q=100 YEAR
DISCHARGE= 1847.

PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

```
ELEV 1373.     1374.     1375.     1376.     1377.     1378.     1379.     1380.     1381.     1382.     1383.

   STA-FEET

 2 473. .        .         .         .         .         .         .         .         .         .         .     BANK.
   475. .        .         .         .         .         .         .         .         .         .         X     .
   477. .        .         .         .         .         .         .         .         .X    W         E     .
   479. .        .         .         .         .         .         .         X.        .         W         E     .
   481. .        .         .         .         .         .       X C         .         .         W         E     .
   483. .        .         .         .         .         X         C         .         .         W         E     .
   485. .        .         .         .X        .         .         C         .         .         W         E     .
   487. .        .         X.        .         .         .         C         .         .         W         E     .
 3 489. .   X    .         .         .         .         .         C         .         .         W         E     .
   491. .   X    .         .         .         .         .         C         .         .         W         E     .
   493. .   X    .         .         .         .         .         C         .         .         W         E     .
   495. .   X    .         .         .         .         .         C         .         .         W         E     .
   497. .   X    .         .         .         .         .         C         .         .         W         E     .
   499. .   X    .         .         .         .         .         C         .         .         W         E     .
   501. .   X    .         .         .         .         .         C         .         .         W         E     .
   503. .   X    .         .         .         .         .         C         .         .         W         E     .
   505. .   X    .         .         .         .         .         C         .         .         W         E     .
   507. .   X    .         .         .         .         .         C         .         .         W         E     .
 4 509. .   X    .         .         .         .         .         C         .         .         W         E     .
   511. .        .         X         .         .         .         C         .         .         W         E     .
   513. .        .         .         X.        .         .         C         .         .         W         E     .
   515. .        .         .         .         .X        .         C         .         .         W         E     .
   517. .        .         .         .         .         .       X C         .         .         W         E     .
   519. .        .         .         .         .         .         .         X         .         W         E     .
   521. .        .         .         .         .         .         .         .         X.        W         E     .
   523. .        .         .         .         .         .         .         .         .         .X        E     .
   525. .        .         .         .         .         .         .         .         .         .         .     X
 5 527. .        .         .         .         .         .         .         .         .         .         .     BANK.

NRD=       0 ELLC=  9999999.00 ELTRD=  9999999.00

  EL(I),STA(I)
    1383.60      473.60     1373.36      490.00     1373.36      510.00     1383.60      526.40
```

CROSS SECTION 890.77
STREAM Q=100 YEAR
DISCHARGE= 1847.

PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

```
ELEV 1373.     1374.     1375.     1376.     1377.     1378.     1379.     1380.     1381.     1382.     1383.


    STA-FEET

 2 473. .         .         .         .         .         .                   .         .         .         .         BANKX
   475. .         .         .         .         .         .                   .         .         .         X .         .
   477. .         .         .         .         .         .                   .         .        XW   .    E    .         .
   479. .         .         .         .         .         .                   .    X    .         W   .    E    .         .
   481. .         .         .         .         .         .         X         .         .         W   .    E    .         .
   483. .         .         .         .         .       X .         C         .         .         W   .    E    .         .
   485. .         .         .         .       X .         .         C         .         .         W   .    E    .         .
   487. .         .         .       X .         .         .         C         .         .         W   .    E    .         .
 3 489. .     X   .         .         .         .         .         C         .         .         W   .    E    .         .
   491. .     X   .         .         .         .         .         C         .         .         W   .    E    .         .
   493. .     X   .         .         .         .         .         C         .         .         W   .    E    .         .
   495. .     X   .         .         .         .         .         C         .         .         W   .    E    .         .
   497. .     X   .         .         .         .         .         C         .         .         W   .    E    .         .
   499. .     X   .         .         .         .         .         C         .         .         W   .    E    .         .
   501. .     X   .         .         .         .         .         C         .         .         W   .    E    .         .
   503. .     X   .         .         .         .         .         C         .         .         W   .    E    .         .
   505. .     X   .         .         .         .         .         C         .         .         W   .    E    .         .
   507. .     X   .         .         .         .         .         C         .         .         W   .    E    .         .
 4 509. .     X   .         .         .         .         .         C         .         .         W   .    E    .         .
   511. .         .       X .         .         .         .         C         .         .         W   .    E    .         .
   513. .         .         .         X         .         .         C         .         .         W   .    E    .         .
   515. .         .         .         .         .       X .         C         .         .         W   .    E    .         .
   517. .         .         .         .         .         .       X C         .         .         W   .    E    .         .
   519. .         .         .         .         .         .                 X .         .         W   .    E    .         .
   521. .         .         .         .         .         .                   .         X         W   .    E    .         .
   523. .         .         .         .         .         .                   .         .         .   .   XE    .         .
   525. .         .         .         .         .         .                   .         .         .         .         X .
 5 527. .         .         .         .         .         .                   .         .         .         .         BANKX
```

NRD= 0 ELLC= 9999999.00 ELTRD= 9999999.00

```
  EL(I),STA(I)
    1384.00      473.20      1373.51      490.00      1373.51      510.00      1384.00      526.80
```

```
CROSS SECTION    890.87
STREAM   Q=100 YEAR
DISCHARGE=     1847.

PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

ELEV 1372.     1373.     1374.     1375.     1376.     1377.     1378.     1379.     1380.     1381.     1382.

    STA-FEET

8560 XSEC POINT-X      EL,ST-   1384.10    472.90
 2 472. .          .         .         .         .         .         .         .         .         .         .     BANKX
   474. .          .         .         .         .         .         .         .         .         .         .        X
   476. .          .         .         .         .         .         .         .         .         .         .X   E    .
   478. .          .         .         .         .         .         .         .         .         .X  W     .   E    .
   480. .          .         .         .         .         .         .         .         .X        .   W     .   E    .
   482. .          .         .         .         .         .         .         .X       C.         .   W     .   E    .
   484. .          .         .         .         .         .         .X        .        C.         .   W     .   E    .
   486. .          .         .         .         .         .X        .         .        C.         .   W     .   E    .
   488. .          .         .         .         .X        .         .         .        C.         .   W     .   E    .
   490. .          .         .         .X        .         .         .         .        C.         .   W     .   E    .
   492. .          .         .X        .         .         .         .         .        C.         .   W     .   E    .
 3 494. .          .    X    .         .         .         .         .         .        C.         .   W     .   E    .
   496. .          .    X    .         .         .         .         .         .        C.         .   W     .   E    .
   498. .          .    X    .         .         .         .         .         .        C.         .   W     .   E    .
   500. .          .    X    .         .         .         .         .         .        C.         .   W     .   E    .
   502. .          .    X    .         .         .         .         .         .        C.         .   W     .   E    .
   504. .          .    X    .         .         .         .         .         .        C.         .   W     .   E    .
 4 506. .          .    X    .         .         .         .         .         .        C.         .   W     .   E    .
   508. .          .         .    X    .         .         .         .         .        C.         .   W     .   E    .
   510. .          .         .         .    X    .         .         .         .        C.         .   W     .   E    .
   512. .          .         .         .         .    X    .         .         .        C.         .   W     .   E    .
   514. .          .         .         .         .         .    X    .         .        C.         .   W     .   E    .
   516. .          .         .         .         .         .         .    X    .        C.         .   W     .   E    .
   518. .          .         .         .         .         .         .         .    X   C.         .   W     .   E    .
   520. .          .         .         .         .         .         .         .        .    X    .   W     .   E    .
   522. .          .         .         .         .         .         .         .        .         .    X    .   E    .
   524. .          .         .         .         .         .         .         .        .         .         .   X    .
   526. .          .         .         .         .         .         .         .        .         .         .        X
8560 XSEC POINT-X      EL,ST-   1384.10    527.10
 5 528. .          .         .         .         .         .         .         .         .         .         .     BANKX

NRD=       0 ELLC=  9999999.00 ELTRD=  9999999.00

  EL(I),STA(I)
    1384.10      472.90     1373.53      494.00     1373.53      506.00     1384.10      527.10
```

CROSS SECTION 891.03
STREAM Q=100 YEAR
DISCHARGE= 1847.

PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

```
ELEV 1373.     1374.     1375.     1376.     1377.     1378.     1379.     1380.     1381.     1382.     1383.

    STA-FEET

 2 475. .         .         .         .         .         .         .         .         .         .         X     BANK.
   477. .         .         .         .         .         .         .         .         .         X   E     .         .
   479. .         .         .         .         .         .         .         .         X   W     .   E     .         .
   481. .         .         .         .         .         .         .         X         .   W     .   E     .         .
   483. .         .         .         .         .         .         X         C.        .   W     .   E     .         .
   485. .         .         .         .         .         X         .         C.        .   W     .   E     .         .
   487. .         .         .         .         X         .         .         C.        .   W     .   E     .         .
   489. .         .         .         X         .         .         .         C.        .   W     .   E     .         .
   491. .         .         X         .         .         .         .         C.        .   W     .   E     .         .
 3 493. .   X     .         .         .         .         .         .         C.        .   W     .   E     .         .
   495. .   X     .         .         .         .         .         .         C.        .   W     .   E     .         .
   497. .   X     .         .         .         .         .         .         C.        .   W     .   E     .         .
   499. .   X     .         .         .         .         .         .         C.        .   W     .   E     .         .
   501. .   X     .         .         .         .         .         .         C.        .   W     .   E     .         .
   503. .   X     .         .         .         .         .         .         C.        .   W     .   E     .         .
 4 505. .   X     .         .         .         .         .         .         C.        .   W     .   E     .         .
   507. .         .   X     .         .         .         .         .         C.        .   W     .   E     .         .
   509. .         .         .   X     .         .         .         .         C.        .   W     .   E     .         .
   511. .         .         .         .   X     .         .         .         C.        .   W     .   E     .         .
   513. .         .         .         .         .   X     .         .         C.        .   W     .   E     .         .
   515. .         .         .         .         .         .   X     .         C.        .   W     .   E     .         .
   517. .         .         .         .         .         .         .   X     C.        .   W     .   E     .         .
   519. .         .         .         .         .         .         .         .   X     .   W     .   E     .         .
   521. .         .         .         .         .         .         .         .         .     X   .   E     .         .
   523. .         .         .         .         .         .         .         .         .         .   X     .         .
 5 525. .         .         .         .         .         .         .         .         .         .         X     BANK.

NRD=       0 ELLC=  9999999.00 ELTRD=  9999999.00

  EL(I),STA(I)
    1383.00      475.00      1373.54      494.00      1373.54      506.00      1383.00      525.00
```

```
CROSS SECTION    891.59
STREAM   Q=100 YEAR
DISCHARGE=     1109.

PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

ELEV 1374.     1375.     1376.     1377.     1378.     1379.     1380.     1381.     1382.     1383.     1384.

   STA-FEET

 2 475. .         .         .         .         .         .         .         .         .         .         X .     BANK.
   477. .         .         .         .         .         .         .         .         .         X .         .         .
   479. .         .         .         .         .         .         .         .         X . W   E   .         .         .
   481. .         .         .         .         .         .         .         X .         . W   E   .         .         .
   483. .         .         .         .         .         .         X .         .         . W   E   .         .         .
   485. .         .         .         .         .         X .C        .         .         . W   E   .         .         .
   487. .         .         .         .         X .         .C        .         .         . W   E   .         .         .
   489. .         .         .         X .         .         .C        .         .         . W   E   .         .         .
   491. .         .         X .         .         .         .C        .         .         . W   E   .         .         .
 3 493. .  X      .         .         .         .         .C        .         .         . W   E   .         .         .
   495. .  X      .         .         .         .         .C        .         .         . W   E   .         .         .
   497. .  X      .         .         .         .         .C        .         .         . W   E   .         .         .
   499. .  X      .         .         .         .         .C        .         .         . W   E   .         .         .
   501. .  X      .         .         .         .         .C        .         .         . W   E   .         .         .
   503. .  X      .         .         .         .         .C        .         .         . W   E   .         .         .
 4 505. .  X      .         .         .         .         .C        .         .         . W   E   .         .         .
   507. .         .  X      .         .         .         .C        .         .         . W   E   .         .         .
   509. .         .         .  X      .         .         .C        .         .         . W   E   .         .         .
   511. .         .         .         .  X      .         .C        .         .         . W   E   .         .         .
   513. .         .         .         .         .  X      .C        .         .         . W   E   .         .         .
   515. .         .         .         .         .         .  X      .         .         . W   E   .         .         .
   517. .         .         .         .         .         .         .  X      .         . W   E   .         .         .
   519. .         .         .         .         .         .         .         .  X      . W   E   .         .         .
   521. .         .         .         .         .         .         .         .         .  X  E   .         .         .
   523. .         .         .         .         .         .         .         .         .         .  X      .         .
 5 525. .         .         .         .         .         .         .         .         .         .         X .     BANK.

NRD=       0 ELLC=  9999999.00 ELTRD=  9999999.00

  EL(I),STA(I)
    1383.80      475.00     1374.27      494.00     1374.27      506.00     1383.80      525.00
```

CROSS SECTION 896.45
STREAM Q=100 YEAR
DISCHARGE= 1109.

PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

```
ELEV 1378.     1379.     1380.     1381.     1382.     1383.     1384.     1385.     1386.     1387.     1388.

   STA-FEET

 2 475. .        .         .         .         .         .         .         .         .         .         .   X BANK.
   477. .        .         .         .         .         .         .         .         .         .   X     .         .
   479. .        .         .         .         .         .         .         .         .   X     .         .         .
   481. .        .         .         .         .         .         .         .   XE    .         .         .         .
   483. .        .         .         .         .         .         .   X     .    E    .         .         .         .
   485. .        .         .         .         .         .   X   W .         .    E    .         .         .         .
   487. .        .         .         .         .   X     .       W .         .    E    .         .         .         .
   489. .        .         .         .   X     .         .       W .         .    E    .         .         .         .
   491. .        .         .   X     .         .         .       W .         .    E    .         .         .         .
 3 493. .      X.         .         .         .         .       W .         .    E    .         .         .         .
   495. .      X.         .         .         .         .       W .         .    E    .         .         .         .
   497. .      X.         .         .         .         .       W .         .    E    .         .         .         .
   499. .      X.         .         .         .         .       W .         .    E    .         .         .         .
   501. .      X.         .         .         .         .       W .         .    E    .         .         .         .
   503. .      X.         .         .         .         .       W .         .    E    .         .         .         .
 4 505. .      X.         .         .         .         .       W .         .    E    .         .         .         .
   507. .        .       X.         .         .         .       W .         .    E    .         .         .         .
   509. .        .         .       X.         .         .       W .         .    E    .         .         .         .
   511. .        .         .         .       X.         .       W .         .    E    .         .         .         .
   513. .        .         .         .         .       X.      W .         .    E    .         .         .         .
   515. .        .         .         .         .         .      X.         .    E    .         .         .         .
   517. .        .         .         .         .         .         .       X.    E    .         .         .         .
   519. .        .         .         .         .         .         .         .         X.         .         .         .
   521. .        .         .         .         .         .         .         .         .         X.         .         .
   523. .        .         .         .         .         .         .         .         .         .         X.         .
 5 525. .        .         .         .         .         .         .         .         .         .         .   X BANK.
```

NRD= 0 ELLC= 9999999.00 ELTRD= 9999999.00

```
  EL(I),STA(I)
    1388.40      475.00     1378.90      494.00     1378.90      506.00     1388.40      525.00
```

```
CROSS SECTION    896.68
STREAM   Q=100 YEAR
DISCHARGE=     1109.

PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

ELEV 1378.     1379.     1380.     1381.     1382.     1383.     1384.     1385.     1386.     1387.     1388.

   STA-FEET

 2 475. .         .         .         .         .         .         .         .         .         .         X     BANK.
   477. .         .         .         .         .         .         .         .         .         X         .        .
   479. .         .         .         .         .         .         .         .         X         .         .        .
   481. .         .         .         .         .         .         .         X     E   .         .         .        .
   483. .         .         .         .         .         .        XW         .     E   .         .         .        .
   485. .         .         .         .         .         X       C .W        .     E   .         .         .        .
   487. .         .         .         .         X         .       C .W        .     E   .         .         .        .
   489. .         .         .         X         .         .       C .W        .     E   .         .         .        .
   491. .         .         X         .         .         .       C .W        .     E   .         .         .        .
 3 493. .         X.        .         .         .         .       C .W        .     E   .         .         .        .
   495. .         X.        .         .         .         .       C .W        .     E   .         .         .        .
   497. .         X.        .         .         .         .       C .W        .     E   .         .         .        .
   499. .         X.        .         .         .         .       C .W        .     E   .         .         .        .
   501. .         X.        .         .         .         .       C .W        .     E   .         .         .        .
   503. .         X.        .         .         .         .       C .W        .     E   .         .         .        .
 4 505. .         X.        .         .         .         .       C .W        .     E   .         .         .        .
   507. .         .         X.        .         .         .       C .W        .     E   .         .         .        .
   509. .         .         .         X.        .         .       C .W        .     E   .         .         .        .
   511. .         .         .         .         X.        .       C .W        .     E   .         .         .        .
   513. .         .         .         .         .         X.      C .W        .     E   .         .         .        .
   515. .         .         .         .         .         .        X.W        .     E   .         .         .        .
   517. .         .         .         .         .         .         .         X.    E   .         .         .        .
   519. .         .         .         .         .         .         .         .         X.        .         .        .
   521. .         .         .         .         .         .         .         .         .         X.        .        .
   523. .         .         .         .         .         .         .         .         .         .         X.       .
   525. .         .         .         .         .         .         .         .         .         .         .        X.
 5 527. .         .         .         .         .         .         .         .         .         .         .     BANKX

NRD=       0 ELLC=  9999999.00 ELTRD=  9999999.00

  EL(I),STA(I)
    1388.00      475.90     1378.95      494.00     1378.95      506.00     1389.00      526.10
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```
CROSS SECTION    896.78
STREAM   Q=100 YEAR
DISCHARGE=     1109.

PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

ELEV 1378.     1379.     1380.     1381.     1382.     1383.     1384.     1385.     1386.     1387.     1388.

   STA-FEET

 2 475. .         .         .         .         .                   .         .         .         .         X     BANK.
   477. .         .         .         .         .                   .         .         .     X   .         .         .
   479. .         .         .         .         .                   .         .     X E   .         .         .         .
   481. .         .         .         .         .                   . X       .W      E   .         .         .         .
   483. .         .         .         .         .         X         .         .W      E   .         .         .         .
   485. .         .         .         .     X   .         C         .         .W      E   .         .         .         .
   487. .         .         .     X   .         .         C         .         .W      E   .         .         .         .
 3 489. .         X         .         .         .         C         .         .W      E   .         .         .         .
   491. .         X         .         .         .         C         .         .W      E   .         .         .         .
   493. .         X         .         .         .         C         .         .W      E   .         .         .         .
   495. .         X         .         .         .         C         .         .W      E   .         .         .         .
   497. .         X         .         .         .         C         .         .W      E   .         .         .         .
   499. .         X         .         .         .         C         .         .W      E   .         .         .         .
   501. .         X         .         .         .         C         .         .W      E   .         .         .         .
   503. .         X         .         .         .         C         .         .W      E   .         .         .         .
   505. .         X         .         .         .         C         .         .W      E   .         .         .         .
   507. .         X         .         .         .         C         .         .W      E   .         .         .         .
 4 509. .         X         .         .         .         C         .         .W      E   .         .         .         .
   511. .         .         . X       .         .         C         .         .W      E   .         .         .         .
   513. .         .         .         .     X   .         C         .         .W      E   .         .         .         .
   515. .         .         .         .         .     X   C         .         .W      E   .         .         .         .
   517. .         .         .         .         .                   . X       .W      E   .         .         .         .
   519. .         .         .         .         .                   .         . X     E   .         .         .         .
   521. .         .         .         .         .                   .         .         .     X   .         .         .
   523. .         .         .         .         .                   .         .         .         .     X   .         .
   525. .         .         .         .         .                   .         .         .         .         .         X
8560 XSEC POINT-X      EL,ST-   1389.10    526.20
 5 527. .         .         .         .         .                   .         .         .         .         .     BANKX

NRD=       0 ELLC=  9999999.00 ELTRD=  9999999.00

  EL(I),STA(I)
    1388.00      475.60     1378.97      490.00     1378.97      510.00     1389.10      526.20
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```
CROSS SECTION    896.88
STREAM   Q=100 YEAR
DISCHARGE=     1109.

PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

ELEV 1378.     1379.     1380.     1381.     1382.     1383.     1384.     1385.     1386.     1387.     1388.

    STA-FEET

 2 475. .         .         .         .         .         .         .         .         .         .         X     BANK.
   477. .         .         .         .         .         .         .         .         .         X .         .         .
   479. .         .         .         .         .         .         .         .     X E .         .         .         .
   481. .         .         .         .         .         .         . X       .W    E .         .         .         .
   483. .         .         .         .         .        XC         .         .W    E .         .         .         .
   485. .         .         .         .         X .       .C         .         .W    E .         .         .         .
   487. .         .         .    X    .         .        .C         .         .W    E .         .         .         .
 3 489. .         X         .         .         .        .C         .         .W    E .         .         .         .
   491. .         X         .         .         .        .C         .         .W    E .         .         .         .
   493. .         X         .         .         .        .C         .         .W    E .         .         .         .
   495. .         X         .         .         .        .C         .         .W    E .         .         .         .
   497. .         X         .         .         .        .C         .         .W    E .         .         .         .
   499. .         X         .         .         .        .C         .         .W    E .         .         .         .
   501. .         X         .         .         .        .C         .         .W    E .         .         .         .
   503. .         X         .         .         .        .C         .         .W    E .         .         .         .
   505. .         X         .         .         .        .C         .         .W    E .         .         .         .
   507. .         X         .         .         .        .C         .         .W    E .         .         .         .
 4 509. .         X         .         .         .        .C         .         .W    E .         .         .         .
   511. .         .         . X       .         .        .C         .         .W    E .         .         .         .
   513. .         .         .         .    X    .        .C         .         .W    E .         .         .         .
   515. .         .         .         .         .      X .C         .         .W    E .         .         .         .
   517. .         .         .         .         .        .         X         .W    E .         .         .         .
   519. .         .         .         .         .        .         .         .  X  E .         .         .         .
   521. .         .         .         .         .        .         .         .        .         X .         .         .
   523. .         .         .         .         .        .         .         .        .         .         X .         .
   525. .         .         .         .         .        .         .         .        .         .         .         X
8560 XSEC POINT-X      EL,ST-   1389.20    526.30
 5 527. .         .         .         .         .        .         .         .        .         .         .     BANKX

NRD=       0 ELLC=  9999999.00 ELTRD=  9999999.00

  EL(I),STA(I)
    1388.00      475.60     1378.99      490.00     1378.99      510.00     1389.20      526.30
```

```
CROSS SECTION    896.92
STREAM   Q=100 YEAR
DISCHARGE=     1109.

PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

ELEV 1379.     1380.     1381.     1382.     1383.     1384.     1385.     1386.     1387.     1388.     1389.

   STA-FEET

 2 475. .         .         .         .         .         .         .         .         .         .X        .     BANK.
   477. .         .         .         .         .         .         .         .         X.     T  .         .         .
   479. .         .         .         .         .         .         .       X W . E       .     T  .         .         .
   481. .         .         .         .         .         .       XB      W . E       .     T  .         .         .
   483. .         .         .         .        .X         .        B      W . E       .     T  .         .         .
   485. .         .         .        X.         .         .        B      W . E       .     T  .         .         .
   487. .         .     X   .         .         .         .        B      W . E       .     T  .         .         .
 3 489. X         .         .         .         .         .        B      W . E       .     T  .         .         .
   491. X         .         .         .         .         .        B      W . E       .     T  .         .         .
   493. X         .         .         .         .         .        B      W . E       .     T  .         .         .
   495. X         .         .         .         .         .        B      W . E       .     T  .         .         .
   497. X         .         .         .         .         .        B      W . E       .     T  .         .         .
   499. X         .         .         .         .         .        B      W . E       .     T  .         .         .
   501. X         .         .         .         .         .        B      W . E       .     T  .         .         .
   503. X         .         .         .         .         .        B      W . E       .     T  .         .         .
   505. X         .         .         .         .         .        B      W . E       .     T  .         .         .
   507. X         .         .         .         .         .        B      W . E       .     T  .         .         .
 4 509. X         .         .         .         .         .        B      W . E       .     T  .         .         .
   511. .         .  X      .         .         .         .        B      W . E       .     T  .         .         .
   513. .         .         .     X   .         .         .        B      W . E       .     T  .         .         .
   515. .         .         .         .        X .        .        B      W . E       .     T  .         .         .
   517. .         .         .         .         .        X        B      W . E       .     T  .         .         .
   519. .         .         .         .         .         .       . X    W . E       .     T  .         .         .
   521. .         .         .         .         .         .         .         .    X    .     T  .         .         .
   523. .         .         .         .         .         .         .         .         .       X .         .         .
   525. .         .         .         .         .         .         .         .         .         .         X         .
 5 527. .         .         .         .         .         .         .         .         .         .         . X   BANK.

NRD=       6 ELLC=     1384.53 ELTRD=     1387.61

   475.40   1384.53   1387.61    490.00   1384.53   1387.61    510.00   1384.53   1387.61
   526.30   1384.53   1387.61
  EL(I),STA(I)
    1388.10      475.40     1379.00      490.00     1379.00      510.00     1389.20      526.30
```

CROSS SECTION 896.97
STREAM Q=100 YEAR
DISCHARGE= 1290.

PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

```
ELEV 1379.     1380.     1381.     1382.     1383.     1384.     1385.     1386.     1387.     1388.     1389.

   STA-FEET

 2 475. .         .         .         .         .         .         .         .         .         .X        .     BANK.
   477. .         .         .         .         .         .         .         .         X .       .         .         .
   479. .         .         .         .         .         .         .        XW  .  E      .         .         .         .
   481. .         .         .         .         .         .  X      .         W  .  E      .         .         .         .
   483. .         .         .         .        .X   C    .         .         W  .  E      .         .         .         .
   485. .         .         .       X .         .    C    .         .         W  .  E      .         .         .         .
   487. .         .     X   .         .         .    C    .         .         W  .  E      .         .         .         .
 3 489. X         .         .         .         .    C    .         .         W  .  E      .         .         .         .
   491. X         .         .         .         .    C    .         .         W  .  E      .         .         .         .
   493. X         .         .         .         .    C    .         .         W  .  E      .         .         .         .
   495. X         .         .         .         .    C    .         .         W  .  E      .         .         .         .
   497. X         .         .         .         .    C    .         .         W  .  E      .         .         .         .
   499. X         .         .         .         .    C    .         .         W  .  E      .         .         .         .
   501. X         .         .         .         .    C    .         .         W  .  E      .         .         .         .
   503. X         .         .         .         .    C    .         .         W  .  E      .         .         .         .
   505. X         .         .         .         .    C    .         .         W  .  E      .         .         .         .
   507. X         .         .         .         .    C    .         .         W  .  E      .         .         .         .
 4 509. X         .         .         .         .    C    .         .         W  .  E      .         .         .         .
   511. .         .  X      .         .         .    C    .         .         W  .  E      .         .         .         .
   513. .         .         .    X    .         .    C    .         .         W  .  E      .         .         .         .
   515. .         .         .         .       X .    C    .         .         W  .  E      .         .         .         .
   517. .         .         .         .         .         X         .         W  .  E      .         .         .         .
   519. .         .         .         .         .         .         .    X    W  .  E      .         .         .         .
   521. .         .         .         .         .         .         .         .     X      .         .         .         .
   523. .         .         .         .         .         .         .         .         .         X .       .         .
   525. .         .         .         .         .         .         .         .         .         .         X         .
 5 527. .         .         .         .         .         .         .         .         .         .         . X   BANK.
```

NRD= 0 ELLC= 9999999.00 ELTRD= 9999999.00

```
 EL(I),STA(I)
   1388.10      475.50      1379.01      490.00      1379.01      510.00      1389.20      526.30
```

```
CROSS SECTION    897.57
STREAM   Q=100 YEAR
DISCHARGE=     1290.

PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

ELEV 1379.     1380.     1381.     1382.     1383.     1384.     1385.     1386.     1387.     1388.     1389.

    STA-FEET

 2 475. .         .         .         .         .         .         .         .         .         .         .         X         .         BANK.
   477. .         .         .         .         .         .         .         .         .         .         X         .         .         .
   479. .         .         .         .         .         .         .         .         X         E         .         .         .         .
   481. .         .         .         .         .         .         X         .         W         .         E         .         .         .         .
   483. .         .         .         .         .         XC        .         .         W         .         E         .         .         .         .
   485. .         .         .         .         X         .         C         .         W         .         E         .         .         .         .
   487. .         .         X         .         .         .         C         .         W         .         E         .         .         .         .
 3 489. .X        .         .         .         .         .         C         .         W         .         E         .         .         .         .
   491. .X        .         .         .         .         .         C         .         W         .         E         .         .         .         .
   493. .X        .         .         .         .         .         C         .         W         .         E         .         .         .         .
   495. .X        .         .         .         .         .         C         .         W         .         E         .         .         .         .
   497. .X        .         .         .         .         .         C         .         W         .         E         .         .         .         .
   499. .X        .         .         .         .         .         C         .         W         .         E         .         .         .         .
   501. .X        .         .         .         .         .         C         .         W         .         E         .         .         .         .
   503. .X        .         .         .         .         .         C         .         W         .         E         .         .         .         .
   505. .X        .         .         .         .         .         C         .         W         .         E         .         .         .         .
   507. .X        .         .         .         .         .         C         .         W         .         E         .         .         .         .
 4 509. .X        .         .         .         .         .         C         .         W         .         E         .         .         .         .
   511. .         .         X         .         .         .         C         .         W         .         E         .         .         .         .
   513. .         .         .         X         .         .         C         .         W         .         E         .         .         .         .
   515. .         .         .         .         .         X.        C         .         W         .         E         .         .         .         .
   517. .         .         .         .         .         .         .         X         W         .         E         .         .         .         .
   519. .         .         .         .         .         .         .         .         X W       .         E         .         .         .         .
   521. .         .         .         .         .         .         .         .         .         .         .         X         .         .         .
   523. .         .         .         .         .         .         .         .         .         .         .         .         X         .         .
   525. .         .         .         .         .         .         .         .         .         .         .         .         .         X         .
 5 527. .         .         .         .         .         .         .         .         .         .         .         .         .         .         XBANK.

NRD=       0 ELLC=  9999999.00 ELTRD=  9999999.00

  EL(I),STA(I)
    1388.50      475.00      1379.13      490.00      1379.13      510.00      1389.50      526.30
```

```
CROSS SECTION    897.67
STREAM   Q=100 YEAR
DISCHARGE=     1290.

PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

ELEV 1379.     1380.     1381.     1382.     1383.     1384.     1385.     1386.     1387.     1388.     1389.

   STA-FEET

 2 475. .         .         .         .         .         .         .         .         .         .         X         .     BANK.
   477. .         .         .         .         .         .         .         .         .         X         .         .         .
   479. .         .         .         .         .         .         .         .         X         .         .         .         .
   481. .         .         .         .         .         .         .         X         E         .         .         .         .
   483. .         .         .         .         .         .         X         W         E         .         .         .         .
   485. .         .         .         .         .         X         C         W         E         .         .         .         .
   487. .         .         .         .         X         .         C         W         E         .         .         .         .
   489. .         .         .         X         .         .         C         W         E         .         .         .         .
   491. .         .         X         .         .         .         C         W         E         .         .         .         .
 3 493. . X       .         .         .         .         .         C         W         E         .         .         .         .
   495. . X       .         .         .         .         .         C         W         E         .         .         .         .
   497. . X       .         .         .         .         .         C         W         E         .         .         .         .
   499. . X       .         .         .         .         .         C         W         E         .         .         .         .
   501. . X       .         .         .         .         .         C         W         E         .         .         .         .
   503. . X       .         .         .         .         .         C         W         E         .         .         .         .
 4 505. . X       .         .         .         .         .         C         W         E         .         .         .         .
   507. .         . X       .         .         .         .         C         W         E         .         .         .         .
   509. .         .         . X       .         .         .         C         W         E         .         .         .         .
   511. .         .         .         . X       .         .         C         W         E         .         .         .         .
   513. .         .         .         .         . X       .         C         W         E         .         .         .         .
   515. .         .         .         .         .         . X C     .         W         E         .         .         .         .
   517. .         .         .         .         .         .         . X W     .         E         .         .         .         .
   519. .         .         .         .         .         .         .         . X       E         .         .         .         .
   521. .         .         .         .         .         .         .         .         .         . X       .         .         .
   523. .         .         .         .         .         .         .         .         .         .         . X       .         .
   525. .         .         .         .         .         .         .         .         .         .         .         . X       .
 5 527. .         .         .         .         .         .         .         .         .         .         .         .     XBANK.

NRD=       0 ELLC=  9999999.00 ELTRD=  9999999.00

  EL(I),STA(I)
    1388.50      475.30     1379.15      494.00     1379.15      506.00     1389.50      526.70
```

```
CROSS SECTION    898.03
STREAM   Q=100 YEAR
DISCHARGE=     1290.

PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

ELEV 1379.     1380.     1381.     1382.     1383.     1384.     1385.     1386.     1387.     1388.     1389.

   STA-FEET

 2 475. .         .         .         .         .         .         .         .         .         .         X .     BANK.
   477. .         .         .         .         .         .         .         .         .         X         .         .
   479. .         .         .         .         .         .         .         .         X         .         .         .
   481. .         .         .         .         .         .         .         X         E         .         .         .
   483. .         .         .         .         .         .         X         W         E         .         .         .
   485. .         .         .         .         .         X         C         W         E         .         .         .
   487. .         .         .         .         X         .         C         W         E         .         .         .
   489. .         .         .         X         .         .         C         W         E         .         .         .
   491. .         .         X         .         .         .         C         W         E         .         .         .
 3 493. . X       .         .         .         .         .         C         W         E         .         .         .
   495. . X       .         .         .         .         .         C         W         E         .         .         .
   497. . X       .         .         .         .         .         C         W         E         .         .         .
   499. . X       .         .         .         .         .         C         W         E         .         .         .
   501. . X       .         .         .         .         .         C         W         E         .         .         .
   503. . X       .         .         .         .         .         C         W         E         .         .         .
 4 505. . X       .         .         .         .         .         C         W         E         .         .         .
   507. .         . X       .         .         .         .         C         W         E         .         .         .
   509. .         .         . X       .         .         .         C         W         E         .         .         .
   511. .         .         .         . X       .         .         C         W         E         .         .         .
   513. .         .         .         .         . X       .         C         W         E         .         .         .
   515. .         .         .         .         .         . X       C         W         E         .         .         .
   517. .         .         .         .         .         .         .         X W       E         .         .         .
   519. .         .         .         .         .         .         .         .         . X       E         .         .
   521. .         .         .         .         .         .         .         .         .         . X       .         .
   523. .         .         .         .         .         .         .         .         .         .         . X       .
 5 525. .         .         .         .         .         .         .         .         .         .         X .     BANK.

NRD=       0 ELLC=  9999999.00 ELTRD=  9999999.00

  EL(I),STA(I)
    1388.70      475.00     1379.22      494.00     1379.22      506.00     1388.70      525.00
```

```
CROSS SECTION    902.44
STREAM   Q=100 YEAR
DISCHARGE=     1290.

PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

ELEV 1382.     1383.     1384.     1385.     1386.     1387.     1388.     1389.     1390.     1391.     1392.

   STA-FEET

 2 475. .         .         .         .         .         .         .         .         .         .         .X    BANK.
   477. .         .         .         .         .         .         .         .         .         .X        .         .
   479. .         .         .         .         .         .         .         .         .X        .         .         .
   481. .         .         .         .         .         .         .         .X     E  .         .         .         .
   483. .         .         .         .         .         .         .X        .     E  .         .         .         .
   485. .         .         .         .         .         .X     W  .         .     E  .         .         .         .
   487. .         .         .         .         .X        .     W  .         .     E  .         .         .         .
   489. .         .         .         .X        .         .     W  .         .     E  .         .         .         .
   491. .         .         .X        .         .         .     W  .         .     E  .         .         .         .
 3 493. .     X   .         .         .         .         .     W  .         .     E  .         .         .         .
   495. .     X   .         .         .         .         .     W  .         .     E  .         .         .         .
   497. .     X   .         .         .         .         .     W  .         .     E  .         .         .         .
   499. .     X   .         .         .         .         .     W  .         .     E  .         .         .         .
   501. .     X   .         .         .         .         .     W  .         .     E  .         .         .         .
   503. .     X   .         .         .         .         .     W  .         .     E  .         .         .         .
 4 505. .     X   .         .         .         .         .     W  .         .     E  .         .         .         .
   507. .         .     X   .         .         .         .     W  .         .     E  .         .         .         .
   509. .         .         .     X   .         .         .     W  .         .     E  .         .         .         .
   511. .         .         .         .     X   .         .     W  .         .     E  .         .         .         .
   513. .         .         .         .         .     X   .     W  .         .     E  .         .         .         .
   515. .         .         .         .         .         .  X  W  .         .     E  .         .         .         .
   517. .         .         .         .         .         .         .     X   .     E  .         .         .         .
   519. .         .         .         .         .         .         .         .    XE  .         .         .         .
   521. .         .         .         .         .         .         .         .         .     X   .         .         .
   523. .         .         .         .         .         .         .         .         .         .     X   .         .
 5 525. .         .         .         .         .         .         .         .         .         .         .X    BANK.

NRD=       0 ELLC=  9999999.00 ELTRD=  9999999.00

  EL(I),STA(I)
    1392.10      475.00     1382.55      494.00     1382.55      506.00     1392.10      525.00
```

CROSS SECTION 902.62
STREAM Q=100 YEAR
DISCHARGE= 1290.

PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

```
ELEV 1382.     1383.     1384.     1385.     1386.     1387.     1388.     1389.     1390.     1391.     1392.


   STA-FEET

 2 475. .        .         .         .         .         .         .         .         .         .         X .     BANK.
   477. .        .         .         .         .         .         .         .         .         X .         .         .
   479. .        .         .         .         .         .         .         .         X .         .         .         .
   481. .        .         .         .         .         .         .         X .       E .         .         .         .
   483. .        .         .         .         .         .       XC. W       .       E .         .         .         .
   485. .        .         .         .         .       X .        C. W       .       E .         .         .         .
   487. .        .         .         .       X .         .        C. W       .       E .         .         .         .
   489. .        .         .       X .         .         .        C. W       .       E .         .         .         .
   491. .        .       X .         .         .         .        C. W       .       E .         .         .         .
 3 493. .     X  .         .         .         .         .        C. W       .       E .         .         .         .
   495. .     X  .         .         .         .         .        C. W       .       E .         .         .         .
   497. .     X  .         .         .         .         .        C. W       .       E .         .         .         .
   499. .     X  .         .         .         .         .        C. W       .       E .         .         .         .
   501. .     X  .         .         .         .         .        C. W       .       E .         .         .         .
   503. .     X  .         .         .         .         .        C. W       .       E .         .         .         .
 4 505. .     X  .         .         .         .         .        C. W       .       E .         .         .         .
   507. .        .     X   .         .         .         .        C. W       .       E .         .         .         .
   509. .        .         .     X   .         .         .        C. W       .       E .         .         .         .
   511. .        .         .         .     X   .         .        C. W       .       E .         .         .         .
   513. .        .         .         .         .     X   .        C. W       .       E .         .         .         .
   515. .        .         .         .         .         .     X  C. W       .       E .         .         .         .
   517. .        .         .         .         .         .        .       X   .       E .         .         .         .
   519. .        .         .         .         .         .        .         .       XE .         .         .         .
   521. .        .         .         .         .         .        .         .         .       X   .         .         .
 5 523. .        .         .         .         .         .        .         .         .         X         .     BANK.
```

NRD= 0 ELLC= 9999999.00 ELTRD= 9999999.00

EL(I),STA(I)
1391.80 475.60 1382.59 494.00 1382.59 506.00 1391.00 522.80

CROSS SECTION 902.72
STREAM Q=100 YEAR
DISCHARGE= 1290.

PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

```
ELEV 1382.     1383.     1384.     1385.     1386.     1387.     1388.     1389.     1390.     1391.     1392.

   STA-FEET

 2 475. .         .         .         .         .         .         .         .         .         .         .         X.     BANK.
   477. .         .         .         .         .         .         .         .         .         .         X         .         .
   479. .         .         .         .         .         .         .         .   X     E         .         .         .
   481. .         .         .         .         .         .         . X       . W     E         .         .         .
   483. .         .         .         .         .       X.C         .         . W     E         .         .         .
   485. .         .         .         .       X         .C         .         . W     E         .         .         .
   487. .         .         .     X   .         .         .C         .         . W     E         .         .         .
 3 489. .     X   .         .         .         .         .C         .         . W     E         .         .         .
   491. .     X   .         .         .         .         .C         .         . W     E         .         .         .
   493. .     X   .         .         .         .         .C         .         . W     E         .         .         .
   495. .     X   .         .         .         .         .C         .         . W     E         .         .         .
   497. .     X   .         .         .         .         .C         .         . W     E         .         .         .
   499. .     X   .         .         .         .         .C         .         . W     E         .         .         .
   501. .     X   .         .         .         .         .C         .         . W     E         .         .         .
   503. .     X   .         .         .         .         .C         .         . W     E         .         .         .
   505. .     X   .         .         .         .         .C         .         . W     E         .         .         .
   507. .     X   .         .         .         .         .C         .         . W     E         .         .         .
 4 509. .     X   .         .         .         .         .C         .         . W     E         .         .         .
   511. .         .       X.          .         .         .C         .         . W     E         .         .         .
   513. .         .         .       .X          .         .C         .         . W     E         .         .         .
   515. .         .         .         .         .   X     .C         .         . W     E         .         .         .
   517. .         .         .         .         .         .     X   .         . W     E         .         .         .
   519. .         .         .         .         .         .         .         X. W     E         .         .         .
   521. .         .         .         .         .         .         .         .         .X        .         .         .
 5 523. .         .         .         .         .         .         .         .         .         X         .     BANK.

NRD=       0 ELLC=  9999999.00 ELTRD=  9999999.00

  EL(I),STA(I)
    1391.90      475.10     1382.61      490.00     1382.61      510.00     1391.00      523.40
```

```
CROSS SECTION    902.82
STREAM   Q=100 YEAR
DISCHARGE=     1290.

PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

ELEV 1382.     1383.     1384.     1385.     1386.     1387.     1388.     1389.     1390.     1391.     1392.

    STA-FEET

 2 475. .         .         .         .         .         .         .         .         .         .         .         X     BANK.
   477. .         .         .         .         .         .         .         .         .         .      X  .         .         .
   479. .         .         .         .         .         .         .         .         .      X  E .         .         .         .
   481. .         .         .         .         .         .         .      X  .      W     E .         .         .         .
   483. .         .         .         .         .         XC        .         .      W     E .         .         .         .
   485. .         .         .         .      X  .         .C        .         .      W     E .         .         .         .
   487. .         .         .      X  .         .         .C        .         .      W     E .         .         .         .
 3 489. .      X  .         .         .         .         .C        .         .      W     E .         .         .         .
   491. .      X  .         .         .         .         .C        .         .      W     E .         .         .         .
   493. .      X  .         .         .         .         .C        .         .      W     E .         .         .         .
   495. .      X  .         .         .         .         .C        .         .      W     E .         .         .         .
   497. .      X  .         .         .         .         .C        .         .      W     E .         .         .         .
   499. .      X  .         .         .         .         .C        .         .      W     E .         .         .         .
   501. .      X  .         .         .         .         .C        .         .      W     E .         .         .         .
   503. .      X  .         .         .         .         .C        .         .      W     E .         .         .         .
   505. .      X  .         .         .         .         .C        .         .      W     E .         .         .         .
   507. .      X  .         .         .         .         .C        .         .      W     E .         .         .         .
 4 509. .      X  .         .         .         .         .C        .         .      W     E .         .         .         .
   511. .         .      X. .         .         .         .C        .         .      W     E .         .         .         .
   513. .         .         .         .X        .         .C        .         .      W     E .         .         .         .
   515. .         .         .         .         .      X  .C        .         .      W     E .         .         .         .
   517. .         .         .         .         .         .         X  .         .      W     E .         .         .         .
   519. .         .         .         .         .         .         .         .   X. W     E .         .         .         .
   521. .         .         .         .         .         .         .         .         .     .X        .         .         .
   523. .         .         .         .         .         .         .         .         .         .      X  .         .
 5 525. .         .         .         .         .         .         .         .         .         .       X .         .     BANK.

NRD=       0 ELLC=  9999999.00 ELTRD=  9999999.00

  EL(I),STA(I)
    1392.00      475.00     1382.62      490.00     1382.62      510.00     1391.50      524.20
```

CROSS SECTION 902.86
STREAM Q=100 YEAR
DISCHARGE= 1290.

PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

```
ELEV 1382.     1383.     1384.     1385.     1386.     1387.     1388.     1389.     1390.     1391.     1392.


    STA-FEET

 2 475. .         .         .         .         .         .         .         .                   .         X     BANK.
   477. .         .         .         .         .         .         .         .                 X .     T .         .
   479. .         .         .         .         .         .         .         .   X     W     E   .     T .         .
   481. .         .         .         .         .         .         .   X B   .         W     E   .     T .         .
   483. .         .         .         .         .         X         .     B   .         W     E   .     T .         .
   485. .         .         .         .         X .       .         .     B   .         W     E   .     T .         .
   487. .         .         .     X   .         .         .         .     B   .         W     E   .     T .         .
 3 489. .     X   .         .         .         .         .         .     B   .         W     E   .     T .         .
   491. .     X   .         .         .         .         .         .     B   .         W     E   .     T .         .
   493. .     X   .         .         .         .         .         .     B   .         W     E   .     T .         .
   495. .     X   .         .         .         .         .         .     B   .         W     E   .     T .         .
   497. .     X   .         .         .         .         .         .     B   .         W     E   .     T .         .
   499. .     X   .         .         .         .         .         .     B   .         W     E   .     T .         .
   501. .     X   .         .         .         .         .         .     B   .         W     E   .     T .         .
   503. .     X   .         .         .         .         .         .     B   .         W     E   .     T .         .
   505. .     X   .         .         .         .         .         .     B   .         W     E   .     T .         .
   507. .     X   .         .         .         .         .         .     B   .         W     E   .     T .         .
 4 509. .     X   .         .         .         .         .         .     B   .         W     E   .     T .         .
   511. .         .         X.        .         .         .         .     B   .         W     E   .     T .         .
   513. .         .         .         .X        .         .         .     B   .         W     E   .     T .         .
   515. .         .         .         .         .         X         .     B   .         W     E   .     T .         .
   517. .         .         .         .         .         .         X     B   .         W     E   .     T .         .
   519. .         .         .         .         .         .         .         X.        W     E   .     T .         .
   521. .         .         .         .         .         .         .         .          X    E   .     T .         .
   523. .         .         .         .         .         .         .         .                   .   X T .         .
 5 525. .         .         .         .         .         .         .         .                   .    X T .     BANK.

NRD=       6 ELLC=     1388.63 ELTRD=     1391.71

   475.00   1388.63   1391.71    490.00   1388.63   1391.71    510.00   1388.63   1391.71
   524.20   1388.63   1391.71
  EL(I),STA(I)
    1392.00      475.00     1382.63      490.00     1382.63      510.00     1391.50      524.20
```

CROSS SECTION 902.91
STREAM Q=100 YEAR
DISCHARGE= 1506.

PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

```
ELEV 1382.     1383.     1384.     1385.     1386.     1387.     1388.     1389.     1390.     1391.     1392.

   STA-FEET

 2 475. .         .         .         .         .         .         .         .         .         .         X     BANK.
   477. .         .         .         .         .         .         .         .         .       X .         .         .
   479. .         .         .         .         .         .         .         .       X W.    E   .         .         .
   481. .         .         .         .         .         .         .       X .         W.    E   .         .         .
   483. .         .         .         .         .         X   C     .         .         W.    E   .         .         .
   485. .         .         .         .       X .         .   C     .         .         W.    E   .         .         .
   487. .         .         .       X .         .         .   C     .         .         W.    E   .         .         .
 3 489. .     X   .         .         .         .         .   C     .         .         W.    E   .         .         .
   491. .     X   .         .         .         .         .   C     .         .         W.    E   .         .         .
   493. .     X   .         .         .         .         .   C     .         .         W.    E   .         .         .
   495. .     X   .         .         .         .         .   C     .         .         W.    E   .         .         .
   497. .     X   .         .         .         .         .   C     .         .         W.    E   .         .         .
   499. .     X   .         .         .         .         .   C     .         .         W.    E   .         .         .
   501. .     X   .         .         .         .         .   C     .         .         W.    E   .         .         .
   503. .     X   .         .         .         .         .   C     .         .         W.    E   .         .         .
   505. .     X   .         .         .         .         .   C     .         .         W.    E   .         .         .
   507. .     X   .         .         .         .         .   C     .         .         W.    E   .         .         .
 4 509. .     X   .         .         .         .         .   C     .         .         W.    E   .         .         .
   511. .         .       X .         .         .         .   C     .         .         W.    E   .         .         .
   513. .         .         .       .X        .         .   C     .         .         W.    E   .         .         .
   515. .         .         .         .         .       X .   C     .         .         W.    E   .         .         .
   517. .         .         .         .         .         .     X .         .         W.    E   .         .         .
   519. .         .         .         .         .         .         .       X.        W.    E   .         .         .
   521. .         .         .         .         .         .         .         .         .X    E   .         .         .
   523. .         .         .         .         .         .         .         .         .         .       X .         .
 5 525. .         .         .         .         .         .         .         .         .         .         X .     BANK.

NRD=       0 ELLC=  9999999.00 ELTRD=  9999999.00

  EL(I),STA(I)
    1392.00      475.00      1382.64      490.00      1382.64      510.00      1391.50      524.20
```

CROSS SECTION 903.90
STREAM Q=100 YEAR
DISCHARGE= 1506.

PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

```
ELEV 1382.     1383.     1384.     1385.     1386.     1387.     1388.     1389.     1390.     1391.     1392.


   STA-FEET

                                                                                                                 BANK.
 2 474. .        .         .         .         .         .         .         .         .         .         .
   476. .        .         .         .         .         .         .         .         .         .         X
   478. .        .         .         .         .         .         .         .         . X   E   .         .
   480. .        .         .         .         .         .         .         X         W.    E   .         .
   482. .        .         .         .         .         .         X         .         W.    E   .         .
   484. .        .         .         .         .         X         C         .         W.    E   .         .
   486. .        .         .         . X       .         .         C         .         W.    E   .         .
   488. .        .         X         .         .         .         C         .         W.    E   .         .
 3 490. .      X .         .         .         .         .         C         .         W.    E   .         .
   492. .      X .         .         .         .         .         C         .         W.    E   .         .
   494. .      X .         .         .         .         .         C         .         W.    E   .         .
   496. .      X .         .         .         .         .         C         .         W.    E   .         .
   498. .      X .         .         .         .         .         C         .         W.    E   .         .
   500. .      X .         .         .         .         .         C         .         W.    E   .         .
   502. .      X .         .         .         .         .         C         .         W.    E   .         .
   504. .      X .         .         .         .         .         C         .         W.    E   .         .
   506. .      X .         .         .         .         .         C         .         W.    E   .         .
   508. .      X .         .         .         .         .         C         .         W.    E   .         .
 4 510. .      X .         .         .         .         .         C         .         W.    E   .         .
   512. .        .         .X        .         .         .         C         .         W.    E   .         .
   514. .        .         .         . X       .         .         C         .         W.    E   .         .
   516. .        .         .         .         .         X         C         .         W.    E   .         .
   518. .        .         .         .         .         .         X         .         W.    E   .         .
   520. .        .         .         .         .         .         .         .X        W.    E   .         .
   522. .        .         .         .         .         .         .         .         . X   E   .         .
   524. .        .         .         .         .         .         .         .         .         .         X
 5 526. .        .         .         .         .         .         .         .         .         .         .         BANKX
```

NRD= 0 ELLC= 9999999.00 ELTRD= 9999999.00

```
 EL(I),STA(I)
   1392.70     474.20     1382.84     490.00     1382.84     510.00     1393.00     526.30
```

```
CROSS SECTION    904.00
STREAM   Q=100 YEAR
DISCHARGE=     1506.

PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

ELEV 1382.     1383.     1384.     1385.     1386.     1387.     1388.     1389.     1390.     1391.     1392.

   STA-FEET

 2 474. .         .         .         .         .         .         .         .         .         .         .     BANK.
   476. .         .         .         .         .         .         .         .         .         .         X .       .
   478. .         .         .         .         .         .         .         .         .         X .         .       .
   480. .         .         .         .         .         .         .         .        XW .         E .         .       .
   482. .         .         .         .         .         .         .         X .        W .         E .         .       .
   484. .         .         .         .         .         .         X  .C         .        W .         E .         .       .
   486. .         .         .         .         .         X .         .C         .        W .         E .         .       .
   488. .         .         .         .         X .         .         .C         .        W .         E .         .       .
   490. .         .         .         X .         .         .         .C         .        W .         E .         .       .
   492. .         .         X .         .         .         .         .C         .        W .         E .         .       .
 3 494. .         X.        .         .         .         .         .C         .        W .         E .         .       .
   496. .         X.        .         .         .         .         .C         .        W .         E .         .       .
   498. .         X.        .         .         .         .         .C         .        W .         E .         .       .
   500. .         X.        .         .         .         .         .C         .        W .         E .         .       .
   502. .         X.        .         .         .         .         .C         .        W .         E .         .       .
   504. .         X.        .         .         .         .         .C         .        W .         E .         .       .
   506. .         X.        .         .         .         .         .C         .        W .         E .         .       .
   508. .         X.        .         .         .         .         .C         .        W .         E .         .       .
 4 510. .         X.        .         .         .         .         .C         .        W .         E .         .       .
   512. .         .         .X        .         .         .         .C         .        W .         E .         .       .
   514. .         .         .         . X       .         .         .C         .        W .         E .         .       .
   516. .         .         .         .         .         X .         .C         .        W .         E .         .       .
   518. .         .         .         .         .         .         X .C         .        W .         E .         .       .
   520. .         .         .         .         .         .         .         .X       W .         E .         .       .
   522. .         .         .         .         .         .         .         .         . X       E .         .       .
   524. .         .         .         .         .         .         .         .         .         .         X .       .
 5 526. .         .         .         .         .         .         .         .         .         .         .     BANKX

NRD=       0 ELLC=  9999999.00 ELTRD=  9999999.00

  EL(I),STA(I)
    1392.70      474.30     1382.86      494.00     1382.86      510.00     1393.00      526.30
```

CROSS SECTION 904.01
STREAM Q=100 YEAR
DISCHARGE= 887.

PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

```
ELEV 1382.     1383.     1384.     1385.     1386.     1387.     1388.     1389.     1390.     1391.     1392.

   STA-FEET

 2 475. .        .         .         .         .         .         .         .         .         .         .   X BANK.
   477. .        .         .         .         .         .         .         .         .         .   X     .         .
   479. .        .         .         .         .         .         .         .         .   XW E   .         .         .
   481. .        .         .         .         .         .         .         .   X     .    W E  .         .         .
   483. .        .         .         .         .         .         .   X     .         .    W E  .         .         .
   485. .        .         .         .         .         .   X     .         .         .    W E  .         .         .
   487. .        .         .         .         .   X     . C       .         .         .    W E  .         .         .
   489. .        .         .         .   X     .         . C       .         .         .    W E  .         .         .
   491. .        .         .   X     .         .         . C       .         .         .    W E  .         .         .
 3 493. .      X.         .         .         .         . C       .         .         .    W E  .         .         .
   495. .      X.         .         .         .         . C       .         .         .    W E  .         .         .
   497. .      X.         .         .         .         . C       .         .         .    W E  .         .         .
   499. .      X.         .         .         .         . C       .         .         .    W E  .         .         .
   501. .      X.         .         .         .         . C       .         .         .    W E  .         .         .
   503. .      X.         .         .         .         . C       .         .         .    W E  .         .         .
 4 505. .      X.         .         .         .         . C       .         .         .    W E  .         .         .
   507. .        .       X.         .         .         . C       .         .         .    W E  .         .         .
   509. .        .         .       X.         .         . C       .         .         .    W E  .         .         .
   511. .        .         .         .       X.         . C       .         .         .    W E  .         .         .
   513. .        .         .         .         .       X. C       .         .         .    W E  .         .         .
   515. .        .         .         .         .         .       X.         .         .    W E  .         .         .
   517. .        .         .         .         .         .         .       X.         .    W E  .         .         .
   519. .        .         .         .         .         .         .         .       X.   W E  .         .         .
   521. .        .         .         .         .         .         .         .         .      X.         .         .
   523. .        .         .         .         .         .         .         .         .         .       X.         .
 5 525. .        .         .         .         .         .         .         .         .         .         .   X BANK.
```

NRD= 0 ELLC= 9999999.00 ELTRD= 9999999.00

```
  EL(I),STA(I)
    1392.40      475.00      1382.86      494.00      1382.86      506.00      1392.40      525.00
```

CROSS SECTION 904.04
STREAM Q=100 YEAR
DISCHARGE= 887.

PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

```
ELEV 1382.     1383.     1384.     1385.     1386.     1387.     1388.     1389.     1390.     1391.     1392.

    STA-FEET

 2 475. .         .         .         .         .         .         .         .         .         .         .         .  X BANK.
   477. .         .         .         .         .         .         .         .         .         .         .  X      .         .
   479. .         .         .         .         .         .         .         .         .         .  XW E   .         .         .
   481. .         .         .         .         .         .         .         .         .  X      .  W E   .         .         .
   483. .         .         .         .         .         .         .         .  X      .         .  W E   .         .         .
   485. .         .         .         .         .         .         .  X      .         .         .  W E   .         .         .
   487. .         .         .         .         .         .  X      . C       .         .         .  W E   .         .         .
   489. .         .         .         .         .  X      .         . C       .         .         .  W E   .         .         .
   491. .         .         .         .  X      .         .         . C       .         .         .  W E   .         .         .
 3 493. .         .         X.        .         .         .         . C       .         .         .  W E   .         .         .
   495. .         .         X.        .         .         .         . C       .         .         .  W E   .         .         .
   497. .         .         X.        .         .         .         . C       .         .         .  W E   .         .         .
   499. .         .         X.        .         .         .         . C       .         .         .  W E   .         .         .
   501. .         .         X.        .         .         .         . C       .         .         .  W E   .         .         .
   503. .         .         X.        .         .         .         . C       .         .         .  W E   .         .         .
 4 505. .         .         X.        .         .         .         . C       .         .         .  W E   .         .         .
   507. .         .         .         X.        .         .         . C       .         .         .  W E   .         .         .
   509. .         .         .         .         X.        .         . C       .         .         .  W E   .         .         .
   511. .         .         .         .         .         X.        . C       .         .         .  W E   .         .         .
   513. .         .         .         .         .         .         X. C      .         .         .  W E   .         .         .
   515. .         .         .         .         .         .         .         X.        .         .  W E   .         .         .
   517. .         .         .         .         .         .         .         .         X.        .  W E   .         .         .
   519. .         .         .         .         .         .         .         .         .         X.  W E   .         .         .
   521. .         .         .         .         .         .         .         .         .         .         X.        .         .
   523. .         .         .         .         .         .         .         .         .         .         .         X.        .
 5 525. .         .         .         .         .         .         .         .         .         .         .         .  X BANK.

NRD=       0 ELLC=  9999999.00 ELTRD=  9999999.00

  EL(I),STA(I)
    1392.40      475.00     1382.87      494.00     1382.87      506.00     1392.40      525.00
```

```
CROSS SECTION    906.44
STREAM   Q=100 YEAR
DISCHARGE=      887.

PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

ELEV 1386.     1387.     1388.     1389.     1390.     1391.     1392.     1393.     1394.     1395.     1396.

    STA-FEET

 2 475. .         .         .         .         .         .                   .         .         .         X .     BANK.
   477. .         .         .         .         .         .                   .         .         X .         .         .
   479. .         .         .         .         .         .                   .         X .         .         .         .
   481. .         .         .         .         .         .                 X .         .         .         .         .
   483. .         .         .         .         .         .       X E         .         .         .         .         .
   485. .         .         .         .         .       X .         E         .         .         .         .         .
   487. .         .         .         .       X .       W .         E         .         .         .         .         .
   489. .         .         .       X .         .       W .         E         .         .         .         .         .
   491. .         .       X .         .         .       W .         E         .         .         .         .         .
 3 493. . X       .         .         .         .       W .         E         .         .         .         .         .
   495. . X       .         .         .         .       W .         E         .         .         .         .         .
   497. . X       .         .         .         .       W .         E         .         .         .         .         .
   499. . X       .         .         .         .       W .         E         .         .         .         .         .
   501. . X       .         .         .         .       W .         E         .         .         .         .         .
   503. . X       .         .         .         .       W .         E         .         .         .         .         .
 4 505. . X       .         .         .         .       W .         E         .         .         .         .         .
   507. .         . X       .         .         .       W .         E         .         .         .         .         .
   509. .         .         . X       .         .       W .         E         .         .         .         .         .
   511. .         .         .         . X       .       W .         E         .         .         .         .         .
   513. .         .         .         .         . X     W .         E         .         .         .         .         .
   515. .         .         .         .         .         . X       E         .         .         .         .         .
   517. .         .         .         .         .         .         .   X     .         .         .         .         .
   519. .         .         .         .         .         .         .         . X       .         .         .         .
   521. .         .         .         .         .         .         .         .         . X       .         .         .
   523. .         .         .         .         .         .         .         .         .         . X       .         .
 5 525. .         .         .         .         .         .         .         .         .         .         X .     BANK.

NRD=       0 ELLC=  9999999.00 ELTRD=  9999999.00

  EL(I),STA(I)
    1395.70      475.00     1386.15      494.00     1386.15      506.00     1395.70      525.00
```

CROSS SECTION 906.56
STREAM Q=100 YEAR
DISCHARGE= 887.

PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

```
ELEV 1386.     1387.     1388.     1389.     1390.     1391.     1392.     1393.     1394.     1395.     1396.


    STA-FEET

 2 477. .         .         .         .         .         .         .         .         .         X         .         .     BANK.
   479. .         .         .         .         .         .         .         .         X         .         .         .         .
   481. .         .         .         .         .         .         .         X         .         .         .         .         .
   483. .         .         .         .         .         .         X         .E        .         .         .         .         .
   485. .         .         .         .         .         X         W.        .E        .         .         .         .         .
   487. .         .         .         .         X         C         W.        .E        .         .         .         .         .
   489. .         .         .         X         .         C         W.        .E        .         .         .         .         .
   491. .         .         X         .         .         C         W.        .E        .         .         .         .         .
 3 493. . X       .         .         .         .         C         W.        .E        .         .         .         .         .
   495. . X       .         .         .         .         C         W.        .E        .         .         .         .         .
   497. . X       .         .         .         .         C         W.        .E        .         .         .         .         .
   499. . X       .         .         .         .         C         W.        .E        .         .         .         .         .
   501. . X       .         .         .         .         C         W.        .E        .         .         .         .         .
   503. . X       .         .         .         .         C         W.        .E        .         .         .         .         .
 4 505. . X       .         .         .         .         C         W.        .E        .         .         .         .         .
   507. .         . X       .         .         .         C         W.        .E        .         .         .         .         .
   509. .         .         . X       .         .         C         W.        .E        .         .         .         .         .
   511. .         .         .         . X       .         C         W.        .E        .         .         .         .         .
   513. .         .         .         .         . X       C         W.        .E        .         .         .         .         .
   515. .         .         .         .         .         .         . X       .E        .         .         .         .         .
   517. .         .         .         .         .         .         .         . X       .         .         .         .         .
   519. .         .         .         .         .         .         .         .         . X       .         .         .         .
 5 521. .         .         .         .         .         .         .         .         .         X         .         .     BANK.

NRD=       0 ELLC=  9999999.00 ELTRD=  9999999.00

  EL(I),STA(I)
    1394.50      477.30      1386.17      494.00      1386.17      506.00      1393.50      520.70
```

```
CROSS SECTION    906.66
STREAM   Q=100 YEAR
DISCHARGE=      887.


PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

ELEV 1386.     1387.     1388.     1389.     1390.     1391.     1392.     1393.     1394.     1395.     1396.


   STA-FEET

 2 476. .         .         .         .         .         .         .         .         .         X         .         .     BANK.
   478. .         .         .         .         .         .         .         .         X         .         .         .         .
   480. .         .         .         .         .         .         .        .XE        .         .         .         .         .
   482. .         .         .         .         .         X.        W        . E        .         .         .         .         .
   484. .         .         .         .        XC         .         W        . E        .         .         .         .         .
   486. .         .         .         X         C         .         W        . E        .         .         .         .         .
   488. .         .X        .         .         C         .         W        . E        .         .         .         .         .
 3 490. . X       .         .         .         C         .         W        . E        .         .         .         .         .
   492. . X       .         .         .         C         .         W        . E        .         .         .         .         .
   494. . X       .         .         .         C         .         W        . E        .         .         .         .         .
   496. . X       .         .         .         C         .         W        . E        .         .         .         .         .
   498. . X       .         .         .         C         .         W        . E        .         .         .         .         .
   500. . X       .         .         .         C         .         W        . E        .         .         .         .         .
   502. . X       .         .         .         C         .         W        . E        .         .         .         .         .
   504. . X       .         .         .         C         .         W        . E        .         .         .         .         .
   506. . X       .         .         .         C         .         W        . E        .         .         .         .         .
   508. . X       .         .         .         C         .         W        . E        .         .         .         .         .
 4 510. . X       .         .         .         C         .         W        . E        .         .         .         .         .
   512. .         .         X         .         C         .         W        . E        .         .         .         .         .
   514. .         .         .         X         C         .         W        . E        .         .         .         .         .
   516. .         .         .         .         X         .         W        . E        .         .         .         .         .
   518. .         .         .         .         .         . X       W        . E        .         .         .         .         .
   520. .         .         .         .         .         .         .         .  X       .         .         .         .         .
 5 522. .         .         .         .         .         .         .         .         .         X         .         .     BANK.

NRD=       0 ELLC=  9999999.00 ELTRD=  9999999.00

  EL(I),STA(I)
    1394.60      476.50     1386.19      490.00     1386.19      510.00     1393.50      521.70
```

CROSS SECTION 906.76
STREAM Q=100 YEAR
DISCHARGE= 887.

PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

```
ELEV 1386.     1387.     1388.     1389.     1390.     1391.     1392.     1393.     1394.     1395.     1396.

   STA-FEET

 2 476. .         .         .         .         .         .         .         .         .         X .         .     BANK.
   478. .         .         .         .         .         .         .         .         X         .         .         .
   480. .         .         .         .         .         .         . X       .         .         .         .         .
   482. .         .         .         .         .         X       W . E       .         .         .         .         .
   484. .         .         .         .        XC .       .       W . E       .         .         .         .         .
   486. .         .         .         X         C .       .       W . E       .         .         .         .         .
   488. .         . X       .         .         C .       .       W . E       .         .         .         .         .
 3 490. . X       .         .         .         C .       .       W . E       .         .         .         .         .
   492. . X       .         .         .         C .       .       W . E       .         .         .         .         .
   494. . X       .         .         .         C .       .       W . E       .         .         .         .         .
   496. . X       .         .         .         C .       .       W . E       .         .         .         .         .
   498. . X       .         .         .         C .       .       W . E       .         .         .         .         .
   500. . X       .         .         .         C .       .       W . E       .         .         .         .         .
   502. . X       .         .         .         C .       .       W . E       .         .         .         .         .
   504. . X       .         .         .         C .       .       W . E       .         .         .         .         .
   506. . X       .         .         .         C .       .       W . E       .         .         .         .         .
   508. . X       .         .         .         C .       .       W . E       .         .         .         .         .
 4 510. . X       .         .         .         C .       .       W . E       .         .         .         .         .
   512. .         .         X         .         C .       .       W . E       .         .         .         .         .
   514. .         .         .         X         C .       .       W . E       .         .         .         .         .
   516. .         .         .         .           X       .       W . E       .         .         .         .         .
   518. .         .         .         .         .         . X     W . E       .         .         .         .         .
   520. .         .         .         .         .         .         . X       .         .         .         .         .
 5 522. .         .         .         .         .         .         .         .         X         .         .         .     BANK.

NRD=       0 ELLC=  9999999.00 ELTRD=  9999999.00

  EL(I),STA(I)
    1394.70      476.40      1386.21      490.00      1386.21      510.00      1393.60      521.80
```

```
CROSS SECTION    906.80
STREAM   Q=100 YEAR
DISCHARGE=      887.

PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

ELEV 1386.     1387.     1388.     1389.     1390.     1391.     1392.     1393.     1394.     1395.     1396.

   STA-FEET

 2 476. .         .         .         .         .                   .         .         .         X .         .     BANK.
   478. .         .         .         .         .         .         .         .         X     .T        .         .
   480. .         .         .         .         .         .         . X W  E  .         .T        .         .         .
   482. .         .         .         .         .         B         .   W  E  .         .T        .         .         .
   484. .         .         .         .         X         B         .   W  E  .         .T        .         .         .
   486. .         .         .         X         .         B         .   W  E  .         .T        .         .         .
   488. .         . X       .         .         .         B         .   W  E  .         .T        .         .         .
 3 490. . X       .         .         .         .         B         .   W  E  .         .T        .         .         .
   492. . X       .         .         .         .         B         .   W  E  .         .T        .         .         .
   494. . X       .         .         .         .         B         .   W  E  .         .T        .         .         .
   496. . X       .         .         .         .         B         .   W  E  .         .T        .         .         .
   498. . X       .         .         .         .         B         .   W  E  .         .T        .         .         .
   500. . X       .         .         .         .         B         .   W  E  .         .T        .         .         .
   502. . X       .         .         .         .         B         .   W  E  .         .T        .         .         .
   504. . X       .         .         .         .         B         .   W  E  .         .T        .         .         .
   506. . X       .         .         .         .         B         .   W  E  .         .T        .         .         .
   508. . X       .         .         .         .         B         .   W  E  .         .T        .         .         .
 4 510. . X       .         .         .         .         B         .   W  E  .         .T        .         .         .
   512. .         .     X   .         .         .         B         .   W  E  .         .T        .         .         .
   514. .         .         .     X   .         .         B         .   W  E  .         .T        .         .         .
   516. .         .         .         .         X         B         .   W  E  .         .T        .         .         .
   518. .         .         .         .         .         . X       .   W  E  .         .T        .         .         .
   520. .         .         .         .         .         .         .     X E  .         .T        .         .         .
 5 522. .         .         .         .         .                   .         .     X   .T        .         .     BANK.

NRD=       6 ELLC=     1391.02 ELTRD=     1394.10

   476.40   1391.02   1394.10    490.00   1391.02   1394.10    510.00   1391.02   1394.10
   521.80   1391.02   1394.10
  EL(I),STA(I)
    1394.70      476.40     1386.22      490.00     1386.22      510.00     1393.60      521.80
```

```
CROSS SECTION     906.85
STREAM   Q=100 YEAR
DISCHARGE=      1065.


PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

ELEV 1386.     1387.     1388.     1389.     1390.     1391.     1392.     1393.     1394.     1395.     1396.


   STA-FEET

 2 476. .         .         .         .         .         .         .         .         .         X .         .     BANK.
   478. .         .         .         .         .         .         .         .         X         .         .         .
   480. .         .         .         .         .         .         . XW    E .         .         .         .         .
   482. .         .         .         .         .         X         .  W    E .         .         .         .         .
   484. .         .         .         .         X . C     .         .  W    E .         .         .         .         .
   486. .         .         .         X         . C       .         .  W    E .         .         .         .         .
   488. .         . X       .         .         . C       .         .  W    E .         .         .         .         .
 3 490. . X       .         .         .         . C       .         .  W    E .         .         .         .         .
   492. . X       .         .         .         . C       .         .  W    E .         .         .         .         .
   494. . X       .         .         .         . C       .         .  W    E .         .         .         .         .
   496. . X       .         .         .         . C       .         .  W    E .         .         .         .         .
   498. . X       .         .         .         . C       .         .  W    E .         .         .         .         .
   500. . X       .         .         .         . C       .         .  W    E .         .         .         .         .
   502. . X       .         .         .         . C       .         .  W    E .         .         .         .         .
   504. . X       .         .         .         . C       .         .  W    E .         .         .         .         .
   506. . X       .         .         .         . C       .         .  W    E .         .         .         .         .
   508. . X       .         .         .         . C       .         .  W    E .         .         .         .         .
 4 510. . X       .         .         .         . C       .         .  W    E .         .         .         .         .
   512. .         .     X   .         .         . C       .         .  W    E .         .         .         .         .
   514. .         .         .     X   .         . C       .         .  W    E .         .         .         .         .
   516. .         .         .         .         X C       .         .  W    E .         .         .         .         .
   518. .         .         .         .         .         . X       .  W    E .         .         .         .         .
   520. .         .         .         .         .         .         .    X  E .         .         .         .         .
 5 522. .         .         .         .         .         .         .         .     X   .         .         .     BANK.

NRD=       0 ELLC=  9999999.00 ELTRD=  9999999.00

  EL(I),STA(I)
    1394.70      476.40     1386.23      490.00     1386.23      510.00     1393.60      521.80
```

```
CROSS SECTION    907.45
STREAM   Q=100 YEAR
DISCHARGE=     1065.


PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

ELEV 1386.     1387.     1388.     1389.     1390.     1391.     1392.     1393.     1394.     1395.     1396.


    STA-FEET

 2 476. .         .         .         .         .         .         .         .         .         .X        .     BANK.
   478. .         .         .         .         .         .         .         .       X .         .         .         .
   480. .         .         .         .         .         .         .       X E.        .         .         .         .
   482. .         .         .         .         .         .   X     .   W   E.        .         .         .         .
   484. .         .         .         .         .X C      .         .   W   E.        .         .         .         .
   486. .         .         .       X .         .  C      .         .   W   E.        .         .         .         .
   488. .         .     X   .         .         .  C      .         .   W   E.        .         .         .         .
 3 490. .  X      .         .         .         .  C      .         .   W   E.        .         .         .         .
   492. .  X      .         .         .         .  C      .         .   W   E.        .         .         .         .
   494. .  X      .         .         .         .  C      .         .   W   E.        .         .         .         .
   496. .  X      .         .         .         .  C      .         .   W   E.        .         .         .         .
   498. .  X      .         .         .         .  C      .         .   W   E.        .         .         .         .
   500. .  X      .         .         .         .  C      .         .   W   E.        .         .         .         .
   502. .  X      .         .         .         .  C      .         .   W   E.        .         .         .         .
   504. .  X      .         .         .         .  C      .         .   W   E.        .         .         .         .
   506. .  X      .         .         .         .  C      .         .   W   E.        .         .         .         .
   508. .  X      .         .         .         .  C      .         .   W   E.        .         .         .         .
 4 510. .  X      .         .         .         .  C      .         .   W   E.        .         .         .         .
   512. .         .     X   .         .         .  C      .         .   W   E.        .         .         .         .
   514. .         .         .       X .         .  C      .         .   W   E.        .         .         .         .
   516. .         .         .         .         .X C      .         .   W   E.        .         .         .         .
   518. .         .         .         .         .         .   X     .   W   E.        .         .         .         .
   520. .         .         .         .         .         .         .       X E.        .         .         .         .
 5 522. .         .         .         .         .         .         .         .       X.         .         .     BANK.

NRD=       0 ELLC=  9999999.00 ELTRD=  9999999.00

  EL(I),STA(I)
    1395.10      476.00     1386.35      490.00     1386.35      510.00     1393.90      522.10
```

```
CROSS SECTION    907.55
STREAM   Q=100 YEAR
DISCHARGE=     1065.

PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

ELEV 1386.     1387.     1388.     1389.     1390.     1391.     1392.     1393.     1394.     1395.     1396.

    STA-FEET

 2 476. .         .         .         .         .         .                                   .         . X       .     BANK.
   478. .         .         .         .         .         .                                   . X       .         .         .
   480. .         .         .         .         .         .                             X     .         .         .         .
   482. .         .         .         .         .         .                   X       E     .         .         .         .
   484. .         .         .         .         .         . X       W         E     .         .         .         .
   486. .         .         .         .         . X       .C        W         E     .         .         .         .
   488. .         .         .         . X       .         .C        W         E     .         .         .         .
   490. .         .         . X       .         .         .C        W         E     .         .         .         .
   492. .         . X       .         .         .         .C        W         E     .         .         .         .
 3 494. .   X     .         .         .         .         .C        W         E     .         .         .         .
   496. .   X     .         .         .         .         .C        W         E     .         .         .         .
   498. .   X     .         .         .         .         .C        W         E     .         .         .         .
   500. .   X     .         .         .         .         .C        W         E     .         .         .         .
   502. .   X     .         .         .         .         .C        W         E     .         .         .         .
   504. .   X     .         .         .         .         .C        W         E     .         .         .         .
 4 506. .   X     .         .         .         .         .C        W         E     .         .         .         .
   508. .         .   X     .         .         .         .C        W         E     .         .         .         .
   510. .         .         .   X     .         .         .C        W         E     .         .         .         .
   512. .         .         .         .   X     .         .C        W         E     .         .         .         .
   514. .         .         .         .         .   X     .C        W         E     .         .         .         .
   516. .         .         .         .         .         .   X     W         E     .         .         .         .
   518. .         .         .         .         .         .             X     E     .         .         .         .
   520. .         .         .         .         .         .                         X     .         .         .         .
 5 522. .         .         .         .         .         .                               X         .         .     BANK.

NRD=       0 ELLC=  9999999.00 ELTRD=  9999999.00

  EL(I),STA(I)
    1395.20      476.30     1386.37      494.00     1386.37      506.00     1394.00      521.30
```

```
CROSS SECTION    908.04
STREAM   Q=100 YEAR
DISCHARGE=     1065.

PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

ELEV 1386.     1387.     1388.     1389.     1390.     1391.     1392.     1393.     1394.     1395.     1396.

    STA-FEET

 2 475. .         .         .         .         .         .         .         .         .         .         X     BANK.
   477. .         .         .         .         .         .         .         .         .         X         .         .
   479. .         .         .         .         .         .         .         .         X         .         .         .
   481. .         .         .         .         .         .         .        XE         .         .         .         .
   483. .         .         .         .         .         .         X        .E         .         .         .         .
   485. .         .         .         .         .         X  C      W.        .E         .         .         .         .
   487. .         .         .         .         X         .  C      W.        .E         .         .         .         .
   489. .         .         .         X         .         .  C      W.        .E         .         .         .         .
   491. .         .         X         .         .         .  C      W.        .E         .         .         .         .
 3 493. .    X    .         .         .         .         .  C      W.        .E         .         .         .         .
   495. .    X    .         .         .         .         .  C      W.        .E         .         .         .         .
   497. .    X    .         .         .         .         .  C      W.        .E         .         .         .         .
   499. .    X    .         .         .         .         .  C      W.        .E         .         .         .         .
   501. .    X    .         .         .         .         .  C      W.        .E         .         .         .         .
   503. .    X    .         .         .         .         .  C      W.        .E         .         .         .         .
 4 505. .    X    .         .         .         .         .  C      W.        .E         .         .         .         .
   507. .         .         X         .         .         .  C      W.        .E         .         .         .         .
   509. .         .         .         X.        .         .  C      W.        .E         .         .         .         .
   511. .         .         .         .         .X        .  C      W.        .E         .         .         .         .
   513. .         .         .         .         .         .  X      W.        .E         .         .         .         .
   515. .         .         .         .         .         .         .         X .E         .         .         .         .
   517. .         .         .         .         .         .         .         .         X .         .         .         .
   519. .         .         .         .         .         .         .         .         .         X.        .         .
 5 521. .         .         .         .         .         .         .         .         .         .         X     BANK.

NRD=       0 ELLC=  9999999.00 ELTRD=  9999999.00

  EL(I),STA(I)
    1396.00      475.00     1386.47      494.00     1386.47      506.00     1396.00      521.80
```

```
CROSS SECTION    912.44
STREAM   Q=100 YEAR
DISCHARGE=     1065.

PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

ELEV 1389.     1390.     1391.     1392.     1393.     1394.     1395.     1396.     1397.     1398.     1399.

    STA-FEET

 2 475. .         .         .         .         .         .         .         .         .         .         .X    BANK.
   477. .         .         .         .         .         .         .         .         .         .X        .         .
   479. .         .         .         .         .         .         .         .         .X        .         .         .
   481. .         .         .         .         .         .         .         .XE       .         .         .         .
   483. .         .         .         .         .         .         .X        . E       .         .         .         .
   485. .         .         .         .         .         .X  W     .         . E       .         .         .         .
   487. .         .         .         .         .X        .   W     .         . E       .         .         .         .
   489. .         .         .         .X        .         .   W     .         . E       .         .         .         .
   491. .         .         .X        .         .         .   W     .         . E       .         .         .         .
 3 493. .     X   .         .         .         .         .   W     .         . E       .         .         .         .
   495. .     X   .         .         .         .         .   W     .         . E       .         .         .         .
   497. .     X   .         .         .         .         .   W     .         . E       .         .         .         .
   499. .     X   .         .         .         .         .   W     .         . E       .         .         .         .
   501. .     X   .         .         .         .         .   W     .         . E       .         .         .         .
   503. .     X   .         .         .         .         .   W     .         . E       .         .         .         .
 4 505. .     X   .         .         .         .         .   W     .         . E       .         .         .         .
   507. .         .       X .         .         .         .   W     .         . E       .         .         .         .
   509. .         .         .         X         .         .   W     .         . E       .         .         .         .
   511. .         .         .         .         . X       .   W     .         . E       .         .         .         .
   513. .         .         .         .         .         .   X     .         . E       .         .         .         .
   515. .         .         .         .         .         .         .     X   . E       .         .         .         .
   517. .         .         .         .         .         .         .         .       X .         .         .         .
   519. .         .         .         .         .         .         .         .         .         X         .         .
 5 521. .         .         .         .         .         .         .         .         .         .         .X    BANK.

NRD=       0 ELLC=  9999999.00 ELTRD=  9999999.00

  EL(I),STA(I)
    1399.10      475.00     1389.58      494.00     1389.58      506.00     1399.10      521.80
```

```
CROSS SECTION    912.71
STREAM   Q=100 YEAR
DISCHARGE=     1065.


PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

ELEV 1389.     1390.     1391.     1392.     1393.     1394.     1395.     1396.     1397.     1398.     1399.


   STA-FEET

 2 479. .         .         .         .         .         .         .         .         X         .         .     BANK.
   481. .         .         .         .         .         .         .         X  E      .         .         .         .
   483. .         .         .         .         .         .         X W       .  E      .         .         .         .
   485. .         .         .         .         .         X   C     . W       .  E      .         .         .         .
   487. .         .         .         .         X         .   C     . W       .  E      .         .         .         .
   489. .         .         .         X         .         .   C     . W       .  E      .         .         .         .
   491. .         .         X         .         .         .   C     . W       .  E      .         .         .         .
 3 493. .     X   .         .         .         .         .   C     . W       .  E      .         .         .         .
   495. .     X   .         .         .         .         .   C     . W       .  E      .         .         .         .
   497. .     X   .         .         .         .         .   C     . W       .  E      .         .         .         .
   499. .     X   .         .         .         .         .   C     . W       .  E      .         .         .         .
   501. .     X   .         .         .         .         .   C     . W       .  E      .         .         .         .
   503. .     X   .         .         .         .         .   C     . W       .  E      .         .         .         .
 4 505. .     X   .         .         .         .         .   C     . W       .  E      .         .         .         .
   507. .         .     X   .         .         .         .   C     . W       .  E      .         .         .         .
   509. .         .         .     X   .         .         .   C     . W       .  E      .         .         .         .
   511. .         .         .         .     X   .         .   C     . W       .  E      .         .         .         .
   513. .         .         .         .         .     X   .   C     . W       .  E      .         .         .         .
   515. .         .         .         .         .         .     X   . W       .  E      .         .         .         .
   517. .         .         .         .         .         .         .     X   .  E      .         .         .         .
   519. .         .         .         .         .         .         .         .     X   .         .         .         .
 5 521. .         .         .         .         .         .         .         .         .X        .         .     BANK.

NRD=       0 ELLC=  9999999.00 ELTRD=  9999999.00

  EL(I),STA(I)
    1397.00      479.30     1389.63      494.00     1389.63      506.00     1397.10      520.90
```

```
CROSS SECTION    912.81
STREAM   Q=100 YEAR
DISCHARGE=     1065.

PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

ELEV 1389.     1390.     1391.     1392.     1393.     1394.     1395.     1396.     1397.     1398.     1399.

   STA-FEET

 2 478. .        .         .         .         .         .         .         .         .X        .         .     BANK.
   480. .        .         .         .         .         .         .       X . E       .         .         .         .
   482. .        .         .         .         .         .       X .       W . E       .         .         .         .
   484. .        .         .         .       X C         .         .       W . E       .         .         .         .
   486. .        .         .       .X        .   C       .         .       W . E       .         .         .         .
   488. .        .       X .         .         .   C       .         .       W . E       .         .         .         .
 3 490. .      X .         .         .         .   C       .         .       W . E       .         .         .         .
   492. .      X .         .         .         .   C       .         .       W . E       .         .         .         .
   494. .      X .         .         .         .   C       .         .       W . E       .         .         .         .
   496. .      X .         .         .         .   C       .         .       W . E       .         .         .         .
   498. .      X .         .         .         .   C       .         .       W . E       .         .         .         .
   500. .      X .         .         .         .   C       .         .       W . E       .         .         .         .
   502. .      X .         .         .         .   C       .         .       W . E       .         .         .         .
   504. .      X .         .         .         .   C       .         .       W . E       .         .         .         .
   506. .      X .         .         .         .   C       .         .       W . E       .         .         .         .
   508. .      X .         .         .         .   C       .         .       W . E       .         .         .         .
 4 510. .      X .         .         .         .   C       .         .       W . E       .         .         .         .
   512. .        .       X.          .         .   C       .         .       W . E       .         .         .         .
   514. .        .         .       .X        .   C       .         .       W . E       .         .         .         .
   516. .        .         .         .         . X C     .         .       W . E       .         .         .         .
   518. .        .         .         .         .         .       X .       W . E       .         .         .         .
   520. .        .         .         .         .         .         .         X. E       .         .         .         .
 5 522. .        .         .         .         .         .         .         .         . X       .         .     BANK.

NRD=       0 ELLC=  9999999.00 ELTRD=  9999999.00

  EL(I),STA(I)
    1397.10      478.10      1389.65      490.00      1389.65      510.00      1397.20      522.10
```

```
CROSS SECTION    912.95
STREAM   Q=100 YEAR
DISCHARGE=     1065.

PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

ELEV 1389.     1390.     1391.     1392.     1393.     1394.     1395.     1396.     1397.     1398.     1399.

   STA-FEET

 2 478. .         .         .         .         .         .         .         .         . X     T .         .     BANK.
   480. .         .         .         .         .         .         .       X.       W . E     T .         .         .
   482. .         .         .         .         .         .       B .         .       W . E     T .         .         .
   484. .         .         .         .         .       X .       B .         .       W . E     T .         .         .
   486. .         .         .         . X       .         .       B .         .       W . E     T .         .         .
   488. .         .       X.          .         .         .       B .         .       W . E     T .         .         .
 3 490. .       X .         .         .         .         .       B .         .       W . E     T .         .         .
   492. .       X .         .         .         .         .       B .         .       W . E     T .         .         .
   494. .       X .         .         .         .         .       B .         .       W . E     T .         .         .
   496. .       X .         .         .         .         .       B .         .       W . E     T .         .         .
   498. .       X .         .         .         .         .       B .         .       W . E     T .         .         .
   500. .       X .         .         .         .         .       B .         .       W . E     T .         .         .
   502. .       X .         .         .         .         .       B .         .       W . E     T .         .         .
   504. .       X .         .         .         .         .       B .         .       W . E     T .         .         .
   506. .       X .         .         .         .         .       B .         .       W . E     T .         .         .
   508. .       X .         .         .         .         .       B .         .       W . E     T .         .         .
 4 510. .       X .         .         .         .         .       B .         .       W . E     T .         .         .
   512. .         .       X.          .         .         .       B .         .       W . E     T .         .         .
   514. .         .         .         . X       .         .       B .         .       W . E     T .         .         .
   516. .         .         .         .         .       X .       B .         .       W . E     T .         .         .
   518. .         .         .         .         .         .       B .         .       W . E     T .         .         .
   520. .         .         .         .         .         .         .       X.       W . E     T .         .         .
 5 522. .         .         .         .         .         .         .         .         . X     T .         .     BANK.

NRD=       6 ELLC=     1394.72 ELTRD=     1397.80

   478.00   1394.72   1397.80   490.00   1394.72   1397.80   510.00   1394.72   1397.80
   522.20   1394.72   1397.80
  EL(I),STA(I)
    1397.20      478.00     1389.68      490.00     1389.68      510.00     1397.30      522.20
```

CROSS SECTION 913.00
STREAM Q=100 YEAR
DISCHARGE= 1375.

PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

```
ELEV 1389.     1390.     1391.     1392.     1393.     1394.     1395.     1396.     1397.     1398.     1399.


   STA-FEET

 2 478. .         .         .         .         .         .         .         .         . XE        .         .     BANK.
   480. .         .         .         .         .         .         .         X.        W . E        .         .         .
   482. .         .         .         .         .         .         X         .         W . E        .         .         .
   484. .         .         .         .         .         X         . C       .         W . E        .         .         .
   486. .         .         .         . X       .         .         . C       .         W . E        .         .         .
   488. .         .         X.        .         .         .         . C       .         W . E        .         .         .
 3 490. .         X         .         .         .         .         . C       .         W . E        .         .         .
   492. .         X         .         .         .         .         . C       .         W . E        .         .         .
   494. .         X         .         .         .         .         . C       .         W . E        .         .         .
   496. .         X         .         .         .         .         . C       .         W . E        .         .         .
   498. .         X         .         .         .         .         . C       .         W . E        .         .         .
   500. .         X         .         .         .         .         . C       .         W . E        .         .         .
   502. .         X         .         .         .         .         . C       .         W . E        .         .         .
   504. .         X         .         .         .         .         . C       .         W . E        .         .         .
   506. .         X         .         .         .         .         . C       .         W . E        .         .         .
   508. .         X         .         .         .         .         . C       .         W . E        .         .         .
 4 510. .         X         .         .         .         .         . C       .         W . E        .         .         .
   512. .         .         X.        .         .         .         . C       .         W . E        .         .         .
   514. .         .         .         . X       .         .         . C       .         W . E        .         .         .
   516. .         .         .         .         .         X         . C       .         W . E        .         .         .
   518. .         .         .         .         .         .         X         .         W . E        .         .         .
   520. .         .         .         .         .         .         .         .         X.        W . E        .         .         .
 5 522. .         .         .         .         .         .         .         .         . X        .         .     BANK.
```

NRD= 0 ELLC= 9999999.00 ELTRD= 9999999.00

EL(I),STA(I)

1397.20	478.00	1389.69	490.00	1389.69	510.00	1397.30	522.20

CROSS SECTION 913.60
STREAM Q=100 YEAR
DISCHARGE= 1375.

PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

```
ELEV 1389.     1390.     1391.     1392.     1393.     1394.     1395.     1396.     1397.     1398.     1399.

   STA-FEET

 2 477. .         .         .         .         .         .         .         .         .         .X        .         .         BANK.
   479. .         .         .         .         .         .         .         .         .X        W .E        .         .         .
   481. .         .         .         .         .         .         .X        .         W .E        .         .         .
   483. .         .         .         .         .         X .C      .         .         W .E        .         .         .
   485. .         .         .         .X        .         .         C         .         .         W .E        .         .         .
   487. .         .         .X        .         .         .         C         .         .         W .E        .         .         .
 3 489. .       X .         .         .         .         .         C         .         .         W .E        .         .         .
   491. .       X .         .         .         .         .         C         .         .         W .E        .         .         .
   493. .       X .         .         .         .         .         C         .         .         W .E        .         .         .
   495. .       X .         .         .         .         .         C         .         .         W .E        .         .         .
   497. .       X .         .         .         .         .         C         .         .         W .E        .         .         .
   499. .       X .         .         .         .         .         C         .         .         W .E        .         .         .
   501. .       X .         .         .         .         .         C         .         .         W .E        .         .         .
   503. .       X .         .         .         .         .         C         .         .         W .E        .         .         .
   505. .       X .         .         .         .         .         C         .         .         W .E        .         .         .
   507. .       X .         .         .         .         .         C         .         .         W .E        .         .         .
 4 509. .       X .         .         .         .         .         C         .         .         W .E        .         .         .
   511. .         .         .X        .         .         .         C         .         .         W .E        .         .         .
   513. .         .         .         .X        .         .         C         .         .         W .E        .         .         .
   515. .         .         .         .         .         X .       C         .         .         W .E        .         .         .
   517. .         .         .         .         .         .         .         X .       .         W .E        .         .         .
   519. .         .         .         .         .         .         .         .         X         W .E        .         .         .
   521. .         .         .         .         .         .         .         .         .         . X         .         .         .
 5 523. .         .         .         .         .         .         .         .         .         .         X         .         BANK.

NRD=       0 ELLC=  9999999.00 ELTRD=  9999999.00

  EL(I),STA(I)
    1397.50      477.70     1389.81      490.00     1389.81      510.00     1397.60      522.50
```

CROSS SECTION 913.70
STREAM Q=100 YEAR
DISCHARGE= 1375.

PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

```
ELEV 1389.     1390.     1391.     1392.     1393.     1394.     1395.     1396.     1397.     1398.     1399.

   STA-FEET

 2 478. .         .         .         .         .         .         .         .         .         X         .         .     BANK.
   480. .         .         .         .         .         .         .         .         X         E         .         .         .
   482. .         .         .         .         .         .         .         X         W         E         .         .         .
   484. .         .         .         .         .         .         X         C         W         E         .         .         .
   486. .         .         .         .         .         X         .         C         W         E         .         .         .
   488. .         .         .         .         X         .         .         C         W         E         .         .         .
   490. .         .         .         X         .         .         .         C         W         E         .         .         .
   492. .         .         X         .         .         .         .         C         W         E         .         .         .
 3 494. .         X         .         .         .         .         .         C         W         E         .         .         .
   496. .         X         .         .         .         .         .         C         W         E         .         .         .
   498. .         X         .         .         .         .         .         C         W         E         .         .         .
   500. .         X         .         .         .         .         .         C         W         E         .         .         .
   502. .         X         .         .         .         .         .         C         W         E         .         .         .
   504. .         X         .         .         .         .         .         C         W         E         .         .         .
 4 506. .         X         .         .         .         .         .         C         W         E         .         .         .
   508. .         .         X         .         .         .         .         C         W         E         .         .         .
   510. .         .         .         X         .         .         .         C         W         E         .         .         .
   512. .         .         .         .         X         .         .         C         W         E         .         .         .
   514. .         .         .         .         .         X         .         C         W         E         .         .         .
   516. .         .         .         .         .         .         X         C         W         E         .         .         .
   518. .         .         .         .         .         .         .         X         W         E         .         .         .
   520. .         .         .         .         .         .         .         .         X         E         .         .         .
 5 522. .         .         .         .         .         .         .         .         .         X         .         .     BANK.

NRD=       0 ELLC=  9999999.00 ELTRD=  9999999.00

  EL(I),STA(I)
    1397.60      478.50     1389.83      494.00     1389.83      506.00     1397.70      521.70
```

CROSS SECTION 916.61
STREAM Q=100 YEAR
DISCHARGE= 1375.

PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

```
ELEV 1390.     1391.     1392.     1393.     1394.     1395.     1396.     1397.     1398.     1399.     1400.

   STA-FEET

 2 475. .         .         .         .         .         .                   .                   .         X     BANK.
   477. .         .         .         .         .         .                   .                   X         .       .
   479. .         .         .         .         .         .                   .         X         .         .       .
   481. .         .         .         .         .         .                   X         E         .         .       .
   483. .         .         .         .         .         .         X         W         E         .         .       .
   485. .         .         .         .         .         X         C         W         E         .         .       .
   487. .         .         .         .         X         .         C         W         E         .         .       .
   489. .         .         .         X         .         .         C         W         E         .         .       .
   491. .         .         X         .         .         .         C         W         E         .         .       .
 3 493. .    X    .         .         .         .         .         C         W         E         .         .       .
   495. .    X    .         .         .         .         .         C         W         E         .         .       .
   497. .    X    .         .         .         .         .         C         W         E         .         .       .
   499. .    X    .         .         .         .         .         C         W         E         .         .       .
   501. .    X    .         .         .         .         .         C         W         E         .         .       .
   503. .    X    .         .         .         .         .         C         W         E         .         .       .
 4 505. .    X    .         .         .         .         .         C         W         E         .         .       .
   507. .         .    X    .         .         .         .         C         W         E         .         .       .
   509. .         .         .    X    .         .         .         C         W         E         .         .       .
   511. .         .         .         .    X    .         .         C         W         E         .         .       .
   513. .         .         .         .         .    X    .         C         W         E         .         .       .
   515. .         .         .         .         .         .    X    C         W         E         .         .       .
   517. .         .         .         .         .         .              X W     .         E         .         .       .
   519. .         .         .         .         .         .                   .    X    E         .         .       .
   521. .         .         .         .         .         .                   .                   X     .         .       .
   523. .         .         .         .         .         .                   .                         .    X    .       .
 5 525. .         .         .         .         .         .                   .                   .         X     BANK.

NRD=       0 ELLC=  9999999.00 ELTRD=  9999999.00

  EL(I),STA(I)
    1400.00      475.00     1390.54      494.00     1390.54      506.00     1400.00      525.00
```

```
CROSS SECTION    916.96
STREAM   Q=100 YEAR
DISCHARGE=     1175.

PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

ELEV 1392.     1393.     1394.     1395.     1396.     1397.     1398.     1399.     1400.     1401.     1402.


    STA-FEET

 3 490. .         XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX   E.         .         .         BANK.
   492. .         X         .         .         .         .    W    .         .         E.         .         .             .
   494. .         X         .         .         .         .    W    .         .         E.         .         .             .
   496. .         X         .         .         .         .    W    .         .         E.         .         .             .
   498. .         X         .         .         .         .    W    .         .         E.         .         .             .
   500. .         X         .         .         .         .    W    .         .         E.         .         .             .
   502. .         X         .         .         .         .    W    .         .         E.         .         .             .
   504. .         X         .         .         .         .    W    .         .         E.         .         .             .
   506. .         X         .         .         .         .    W    .         .         E.         .         .             .
   508. .         X         .         .         .         .    W    .         .         E.         .         .             .
 5 510. .         XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX   E.         .         .         BANK.

NRD=       0 ELLC=  9999999.00 ELTRD=  9999999.00

  EL(I),STA(I)
    1399.50      489.50      1392.99      489.50      1392.99      510.50      1399.50      510.50
```

```
CROSS SECTION    918.64
STREAM   Q=100 YEAR
DISCHARGE=     1175.

PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

ELEV 1394.     1395.      1396.      1397.      1398.      1399.      1400.      1401.      1402.      1403.      1404.

    STA-FEET

 3 490. .XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXBXXXX     .TE        .          .          .          BANK.
   492. .X         .          .          .          .          .     W    .B          .TE        .          .          .          .
   494. .X         .          .          .          .          .     W    .B          .TE        .          .          .          .
   496. .X         .          .          .          .          .     W    .B          .TE        .          .          .          .
   498. .X         .          .          .          .          .     W    .B          .TE        .          .          .          .
   500. .X         .          .          .          .          .     W    .B          .TE        .          .          .          .
   502. .X         .          .          .          .          .     W    .B          .TE        .          .          .          .
   504. .X         .          .          .          .          .     W    .B          .TE        .          .          .          .
   506. .X         .          .          .          .          .     W    .B          .TE        .          .          .          .
   508. .X         .          .          .          .          .     W    .B          .TE        .          .          .          .
 5 510. .XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX XXXX     .TE        .          .          .          BANK.

NRD=        6 ELLC=      1400.12 ELTRD=      1401.12

   475.00    1400.12    1401.12     489.50    1400.12    1401.12     510.50    1400.12    1401.12
   525.00    1400.12    1401.12
  EL(I),STA(I)
    1400.50      489.50     1394.12      489.50     1394.12      510.50     1400.50      510.50
```

```
CROSS SECTION    919.05
STREAM   Q=100 YEAR
DISCHARGE=     1175.

PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

ELEV 1394.     1395.     1396.     1397.     1398.     1399.     1400.     1401.     1402.     1403.     1404.

   STA-FEET

 2 475. .         .         .         .         .         .         .         .         .         .         X.     BANK.
   477. .         .         .         .         .         .         .         .         .         X.         .         .
   479. .         .         .         .         .         .         .         .         X.         .         .         .
   481. .         .         .         .         .         .         .         X. E       .         .         .         .
   483. .         .         .         .         .         .         X. W       . E       .         .         .         .
   485. .         .         .         .         .         X.   C    . W       . E       .         .         .         .
   487. .         .         .         .         X.        .   C    . W       . E       .         .         .         .
   489. .         .         .         X.        .         .   C    . W       . E       .         .         .         .
   491. .         .         X.        .         .         .   C    . W       . E       .         .         .         .
 3 493. .   X     .         .         .         .         .   C    . W       . E       .         .         .         .
   495. .   X     .         .         .         .         .   C    . W       . E       .         .         .         .
   497. .   X     .         .         .         .         .   C    . W       . E       .         .         .         .
   499. .   X     .         .         .         .         .   C    . W       . E       .         .         .         .
   501. .   X     .         .         .         .         .   C    . W       . E       .         .         .         .
   503. .   X     .         .         .         .         .   C    . W       . E       .         .         .         .
 4 505. .   X     .         .         .         .         .   C    . W       . E       .         .         .         .
   507. .         .   X     .         .         .         .   C    . W       . E       .         .         .         .
   509. .         .         .   X     .         .         .   C    . W       . E       .         .         .         .
   511. .         .         .         .   X     .         .   C    . W       . E       .         .         .         .
   513. .         .         .         .         .   X     .   C    . W       . E       .         .         .         .
   515. .         .         .         .         .         .   X    . W       . E       .         .         .         .
   517. .         .         .         .         .         .        .   X     . E       .         .         .         .
   519. .         .         .         .         .         .        .         . X       .         .         .         .
   521. .         .         .         .         .         .        .         .         .   X     .         .         .
   523. .         .         .         .         .         .        .         .         .         .   X     .         .
 5 525. .         .         .         .         .         .        .         .         .         .         X.     BANK.

NRD=       0 ELLC=  9999999.00 ELTRD=  9999999.00

  EL(I),STA(I)
    1403.90      475.00     1394.39      494.00     1394.39      506.00     1403.90      525.00
```

CROSS SECTION 927.01
STREAM Q=100 YEAR
DISCHARGE= 1175.

PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

```
ELEV 1399.     1400.     1401.     1402.     1403.     1404.     1405.     1406.     1407.     1408.     1409.

    STA-FEET

 2 475. .         .         .         .         .         .         .         .         .         .         . X   BANK.
   477. .         .         .         .         .         .         .         .         .         . X         .         .
   479. .         .         .         .         .         .         .         .         . X         .         .         .
   481. .         .         .         .         .         .         .         . X   E         .         .         .         .
   483. .         .         .         .         .         .         . X       E         .         .         .         .         .
   485. .         .         .         .         .         . X     W E         .         .         .         .         .         .
   487. .         .         .         .         . X       .       W E         .         .         .         .         .         .
   489. .         .         .         . X       .         .       W E         .         .         .         .         .         .
   491. .         .         . X       .         .         .       W E         .         .         .         .         .         .
 3 493. .     X   .         .         .         .         .       W E         .         .         .         .         .         .
   495. .     X   .         .         .         .         .       W E         .         .         .         .         .         .
   497. .     X   .         .         .         .         .       W E         .         .         .         .         .         .
   499. .     X   .         .         .         .         .       W E         .         .         .         .         .         .
   501. .     X   .         .         .         .         .       W E         .         .         .         .         .         .
   503. .     X   .         .         .         .         .       W E         .         .         .         .         .         .
 4 505. .     X   .         .         .         .         .       W E         .         .         .         .         .         .
   507. .         .     X   .         .         .         .       W E         .         .         .         .         .         .
   509. .         .         .     X   .         .         .       W E         .         .         .         .         .         .
   511. .         .         .         .     X   .         .       W E         .         .         .         .         .         .
   513. .         .         .         .         .     X   .       W E         .         .         .         .         .         .
   515. .         .         .         .         .         .       XW E         .         .         .         .         .         .
   517. .         .         .         .         .         .         . E     X   .         .         .         .         .         .
   519. .         .         .         .         .         .         .       E   X         .         .         .         .         .
   521. .         .         .         .         .         .         .         .         .     X   .         .         .         .
   523. .         .         .         .         .         .         .         .         .         .         .     X   .         .
 5 525. .         .         .         .         .         .         .         .         .         .         .         . X   BANK.

NRD=       0 ELLC=  9999999.00 ELTRD=  9999999.00

  EL(I),STA(I)
    1409.20      475.00     1399.73      494.00     1399.73      506.00     1409.20      525.00
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CROSS SECTION    928.06
STREAM   Q=100 YEAR
DISCHARGE=     1175.

PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

ELEV 1399.     1400.     1401.     1402.     1403.     1404.     1405.     1406.     1407.     1408.     1409.

   STA-FEET

 2 475. .         .         .         .         .         .                   .         .         .         .    XBANK.
   477. .         .         .         .         .         .                   .         .         .   X     .         .
   479. .         .         .         .         .         .                   .         .   X     .         .         .
   481. .         .         .         .         .         .                   .   X  E  .         .         .         .
   483. .         .         .         .         .         .             X     .      E  .         .         .         .
   485. .         .         .         .         .         .   X    C W        .      E  .         .         .         .
   487. .         .         .         .         .   X     .        C W        .      E  .         .         .         .
   489. .         .         .         .   X     .         .        C W        .      E  .         .         .         .
   491. .         .         .   X     .         .         .        C W        .      E  .         .         .         .
 3 493. .         X         .         .         .         .        C W        .      E  .         .         .         .
   495. .         X         .         .         .         .        C W        .      E  .         .         .         .
   497. .         X         .         .         .         .        C W        .      E  .         .         .         .
   499. .         X         .         .         .         .        C W        .      E  .         .         .         .
   501. .         X         .         .         .         .        C W        .      E  .         .         .         .
   503. .         X         .         .         .         .        C W        .      E  .         .         .         .
 4 505. .         X         .         .         .         .        C W        .      E  .         .         .         .
   507. .         .         X         .         .         .        C W        .      E  .         .         .         .
   509. .         .         .         X         .         .        C W        .      E  .         .         .         .
   511. .         .         .         .         X         .        C W        .      E  .         .         .         .
   513. .         .         .         .         .         X        C W        .      E  .         .         .         .
   515. .         .         .         .         .         .        X W        .      E  .         .         .         .
   517. .         .         .         .         .         .                   X      E  .         .         .         .
   519. .         .         .         .         .         .                   .         X         .         .         .
   521. .         .         .         .         .         .                   .         .         X         .         .
   523. .         .         .         .         .         .                   .         .         .         X         .
 5 525. .         .         .         .         .         .                   .         .         .         .    XBANK.

NRD=       0 ELLC=  9999999.00 ELTRD=  9999999.00

  EL(I),STA(I)
    1409.50      475.00     1399.99      494.00     1399.99      506.00     1409.50      525.00
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THIS RUN EXECUTED 08/17/88 17:59:10

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*************************************************
  HEC2 RELEASE DATED NOV 76 UPDATED MAY  1984
  ERROR CORR -  01,02,03,04,05,06
  MODIFICATION -  50,51,52,53,54,55,56
  IBM-PC-XT VERSION
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NOTE- ASTERISK (*) AT LEFT OF CROSS-SECTION NUMBER INDICATES MESSAGE IN SUMMARY OF ERRORS LIST

Q=100 YEAR

SUMMARY PRINTOUT TABLE 150

	SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRIWS	EG	10K*S	VCH	AREA	.01K
	816.160	.00	.00	.00	1327.70	1667.00	1337.70	1333.74	1338.12	3.06	5.22	319.50	953.36
*	843.150	2699.00	.00	.00	1335.30	1667.00	1341.34	1341.34	1343.38	26.42	11.47	145.28	324.29
*	846.000	285.00	.00	.00	1336.20	1667.00	1342.24	1342.24	1344.28	26.26	11.45	145.60	325.28
*	847.400	50.00	.00	.00	1336.70	1667.00	1342.74	1342.74	1344.78	26.29	11.45	145.55	325.11
*	848.470	107.00	.00	.00	1338.23	1656.00	1344.24	1344.24	1346.28	26.42	11.45	144.65	322.17
*	850.400	193.00	.00	.00	1341.00	1656.00	1347.03	1347.03	1349.05	26.25	11.43	144.92	323.19
*	853.400	300.00	.00	.00	1345.50	1656.00	1351.52	1351.52	1353.55	26.32	11.44	144.77	322.77
*	856.600	320.00	.00	.00	1350.20	1656.00	1356.22	1356.22	1358.25	26.33	11.44	144.76	322.73
*	859.600	300.00	.00	.00	1354.80	1656.00	1360.82	1360.82	1362.85	26.31	11.44	144.81	322.86
*	863.910	431.00	.00	.00	1357.01	1656.00	1362.82	1362.82	1364.84	26.03	11.40	145.23	324.60
*	864.210	30.00	.00	.00	1357.17	1656.00	1362.92	1362.92	1365.84	37.80	13.70	120.85	269.36
*	865.570	142.00	1368.23	1364.00	1358.00	1656.00	1366.29	.00	1367.54	13.45	8.97	184.69	451.47
	866.070	50.00	.00	.00	1358.20	1322.00	1367.39	1363.04	1367.66	2.08	4.19	315.80	917.46
	867.010	94.00	.00	.00	1358.71	1322.00	1367.37	1363.53	1367.70	2.65	4.58	288.82	812.72
	867.020	1.00	.00	.00	1358.71	1322.00	1367.37	1363.54	1367.70	2.65	4.58	288.42	811.65
	867.780	77.00	.00	.00	1359.20	1322.00	1367.35	1364.03	1367.74	3.41	5.03	262.75	715.39
	867.790	1.00	.00	.00	1359.20	1322.00	1367.35	1364.02	1367.74	3.40	5.02	263.16	716.43

	SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRIWS	EG	10K*S	VCH	AREA	.01K
	871.400	361.00	.00	.00	1361.30	1322.00	1367.10	1366.12	1368.16	13.16	8.24	160.48	364.39
	871.730	33.00	.00	.00	1361.39	1322.00	1367.12	1366.21	1368.21	13.82	8.39	157.65	355.65
	871.830	10.00	.00	.00	1361.41	1322.00	1367.44	1365.88	1368.25	9.02	7.23	182.94	440.28
	871.930	10.00	.00	.00	1361.43	1322.00	1367.44	1365.91	1368.26	9.14	7.26	182.00	437.37
	871.970	4.00	1369.70	1366.44	1361.44	1322.00	1369.11	.00	1369.53	3.65	5.22	253.34	691.85
	872.020	5.00	.00	.00	1361.45	1424.00	1369.05	1366.12	1369.55	4.38	5.69	250.37	680.56
	872.370	60.00	.00	.00	1361.51	1424.00	1369.07	1366.18	1369.58	4.45	5.72	248.93	674.90
	872.470	10.00	.00	.00	1361.53	1424.00	1369.03	1366.56	1369.61	5.56	6.14	232.05	604.01
	873.000	53.00	.00	.00	1361.64	1424.00	1369.04	1366.66	1369.65	5.78	6.22	228.94	592.18
*	878.390	39.00	.00	.00	1364.76	1424.00	1369.79	1369.79	1371.63	26.73	10.87	130.95	275.42
	878.850	46.00	.00	.00	1364.85	1424.00	1370.32	1369.88	1371.77	19.37	9.67	147.23	323.59
	878.950	10.00	.00	.00	1364.87	1424.00	1370.87	1369.56	1371.83	10.76	7.86	181.07	434.15
	879.050	10.00	.00	.00	1364.89	1424.00	1370.88	1369.56	1371.85	10.76	7.87	181.01	434.12
	879.090	4.00	1373.48	1370.40	1364.90	1424.00	1372.21	.00	1372.77	5.07	6.00	237.30	632.25
	879.140	5.00	.00	.00	1364.91	1424.00	1372.21	1369.59	1372.77	5.11	6.01	236.77	630.18
	879.390	25.00	.00	.00	1364.96	1424.00	1372.22	1369.63	1372.79	5.20	6.05	235.44	624.68
	879.640	25.00	.00	.00	1365.01	1643.00	1372.06	1370.09	1372.88	7.72	7.26	226.46	591.42
	879.740	10.00	.00	.00	1365.03	1643.00	1372.06	1370.13	1372.89	7.83	7.30	224.92	586.99
	879.840	10.00	.00	.00	1365.05	1643.00	1371.96	1370.49	1372.95	10.25	7.98	206.02	513.23
	879.990	15.00	.00	.00	1365.08	1643.00	1371.97	1370.52	1372.96	10.37	8.01	205.08	510.26
*	883.000	301.00	.00	.00	1369.54	1643.00	1374.97	1374.97	1376.93	26.37	11.24	146.13	319.97
*	883.480	48.00	.00	.00	1369.80	1643.00	1375.23	1375.23	1377.18	26.23	11.21	146.54	320.79
*	883.730	25.00	.00	.00	1369.98	1643.00	1375.08	1375.08	1377.66	34.60	12.89	127.51	279.32
*	885.110	138.00	1379.89	1378.89	1370.89	1643.00	1377.31	.00	1378.94	17.71	10.24	160.46	390.45
	885.370	26.00	.00	.00	1371.02	1643.00	1377.16	1377.04	1379.08	24.24	11.11	147.93	333.70
*	889.450	393.00	.00	.00	1373.22	1643.00	1379.22	1379.22	1381.24	26.18	11.39	144.28	321.11

	SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRIWS	EG	10K*S	VCH	AREA	.01K
	889.880	43.00	.00	.00	1373.31	1643.00	1379.73	1379.30	1381.37	19.90	10.30	159.59	368.35
	889.980	10.00	.00	.00	1373.33	1643.00	1380.71	1378.45	1381.47	6.83	7.00	234.58	628.64
	890.080	10.00	.00	.00	1373.35	1643.00	1380.72	1378.47	1381.48	6.84	7.01	234.42	628.29
	890.120	4.00	1383.13	1380.05	1373.35	1643.00	1381.72	.00	1382.26	4.19	5.87	279.96	802.64
	890.170	5.00	.00	.00	1373.36	1847.00	1381.61	1378.84	1382.31	5.63	6.74	273.88	778.63
	890.770	60.00	.00	.00	1373.51	1847.00	1381.62	1378.99	1382.36	5.98	6.89	267.93	755.45
	890.870	10.00	.00	.00	1373.53	1847.00	1381.35	1379.90	1382.48	11.06	8.55	216.05	555.29
	891.030	6.00	.00	.00	1373.54	1847.00	1381.36	1379.90	1382.49	11.04	8.53	216.43	555.88
	891.590	58.00	.00	.00	1374.27	1109.00	1382.21	1379.14	1382.61	3.74	5.01	221.16	573.25
*	896.450	503.00	.00	.00	1378.90	1109.00	1383.77	1383.77	1385.47	27.84	10.49	105.72	210.17
	896.680	23.00	.00	.00	1378.95	1109.00	1384.15	1383.82	1385.56	21.36	9.52	116.46	239.94
	896.780	10.00	.00	.00	1378.97	1109.00	1385.07	1383.03	1385.65	6.37	6.12	181.24	439.43
	896.880	10.00	.00	.00	1378.99	1109.00	1385.08	1383.05	1385.66	6.37	6.12	181.26	439.50
	896.920	4.00	1387.61	1384.53	1379.00	1109.00	1385.82	.00	1386.25	4.17	5.25	211.06	543.12
	896.970	5.00	.00	.00	1379.01	1290.00	1385.69	1383.45	1386.31	6.11	6.29	205.01	521.81
	897.570	60.00	.00	.00	1379.13	1290.00	1385.71	1383.58	1386.35	6.48	6.43	200.61	506.88
	897.670	10.00	.00	.00	1379.15	1290.00	1385.40	1384.43	1386.50	13.65	8.41	153.41	349.19
	898.030	36.00	.00	.00	1379.22	1290.00	1385.44	1384.49	1386.55	13.98	8.48	152.09	344.97
*	902.440	441.00	.00	.00	1382.55	1290.00	1387.83	1387.83	1389.66	27.28	10.85	118.86	246.99
	902.620	18.00	.00	.00	1382.59	1290.00	1388.23	1387.87	1389.74	20.92	9.84	131.09	282.05
	902.720	10.00	.00	.00	1382.61	1290.00	1389.19	1387.05	1389.83	6.50	6.43	200.62	506.16
	902.820	10.00	.00	.00	1382.62	1290.00	1389.20	1387.07	1389.84	6.46	6.42	201.00	507.59
	902.860	4.00	1391.71	1388.63	1382.63	1290.00	1390.01	.00	1390.48	4.19	5.49	234.97	630.27
	902.910	5.00	.00	.00	1382.64	1506.00	1389.87	1387.51	1390.54	6.19	6.60	228.23	605.28
	903.900	99.00	.00	.00	1382.84	1506.00	1389.90	1387.71	1390.62	6.72	6.80	221.55	580.82
	904.000	10.00	.00	.00	1382.86	1506.00	1389.78	1388.14	1390.68	9.34	7.64	197.02	492.83

	SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRIWS	EG	10K*S	VCH	AREA	.01K
	904.010	1.00	.00	.00	1382.86	887.00	1390.46	1387.17	1390.75	2.89	4.30	206.17	521.56
	904.040	3.00	.00	.00	1382.87	887.00	1390.46	1387.20	1390.75	2.90	4.31	205.96	520.70
*	906.440	240.00	.00	.00	1386.15	887.00	1390.48	1390.48	1392.01	28.27	9.93	89.28	166.83
	906.560	12.00	.00	.00	1386.17	887.00	1390.89	1390.48	1392.08	20.03	8.75	101.32	198.18
	906.660	10.00	.00	.00	1386.19	887.00	1391.66	1389.74	1392.16	6.07	5.64	157.31	360.06
	906.760	10.00	.00	.00	1386.21	887.00	1391.67	1389.76	1392.16	6.09	5.65	157.07	359.42
	906.800	4.00	1394.10	1391.02	1386.22	887.00	1392.39	.00	1392.75	3.89	4.81	184.32	449.72
	906.850	5.00	.00	.00	1386.23	1065.00	1392.25	1390.19	1392.81	6.12	5.96	178.71	430.59
	907.450	60.00	.00	.00	1386.35	1065.00	1392.28	1390.31	1392.85	6.48	6.08	175.09	418.52
	907.550	10.00	.00	.00	1386.37	1065.00	1391.96	1391.13	1393.00	14.65	8.20	129.88	278.29
	908.040	49.00	.00	.00	1386.47	1065.00	1391.89	1391.33	1393.14	17.96	8.96	118.85	251.28
*	912.440	440.00	.00	.00	1389.58	1065.00	1394.42	1394.42	1396.15	28.05	10.54	101.03	201.09
	912.710	27.00	.00	.00	1389.63	1065.00	1395.22	1394.38	1396.27	14.82	8.24	129.22	276.66
	912.810	10.00	.00	.00	1389.65	1065.00	1395.81	1393.61	1396.33	5.64	5.79	183.98	448.62
	912.910	10.00	.00	.00	1389.67	1065.00	1395.82	1393.63	1396.34	5.67	5.80	183.48	447.09
	912.950	4.00	1397.80	1394.72	1389.68	1065.00	1396.84	.00	1397.19	3.20	4.73	225.37	595.06
	913.000	5.00	.00	.00	1389.69	1375.00	1396.65	1394.30	1397.28	5.95	6.34	216.82	563.87
	913.600	60.00	.00	.00	1389.81	1375.00	1396.67	1394.42	1397.32	6.25	6.46	212.96	549.86
	913.700	10.00	.00	.00	1389.83	1375.00	1396.37	1395.29	1397.46	12.92	8.38	164.02	382.58
	916.610	343.00	.00	.00	1390.54	1375.00	1396.73	1395.99	1398.01	16.16	9.10	151.18	342.01
*	916.960	35.00	.00	.00	1392.99	1175.00	1397.57	1397.57	1399.89	36.75	12.20	96.28	193.83
*	918.640	168.00	1401.12	1400.12	1394.12	1175.00	1399.62	.00	1401.23	21.62	10.16	115.60	252.72
	919.050	41.00	.00	.00	1394.39	1175.00	1400.22	1399.41	1401.35	15.22	8.54	137.58	301.22
*	927.010	797.00	.00	.00	1399.73	1175.00	1404.76	1404.76	1406.50	27.25	10.57	111.19	225.07
	928.060	105.00	.00	.00	1399.99	1175.00	1405.19	1405.02	1406.78	24.12	10.11	116.19	239.23

Q=100 YEAR

SUMMARY PRINTOUT TABLE 150

	SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
	816.160	1667.00	1337.70	.00	.00	.00	50.00	.00
*	843.150	1667.00	1341.34	.00	3.64	.00	36.14	2699.00
*	846.000	1667.00	1342.24	.00	.91	.00	36.18	285.00
*	847.400	1667.00	1342.74	.00	.50	.00	36.17	50.00
*	848.470	1656.00	1344.24	.00	1.50	.00	36.12	107.00
*	850.400	1656.00	1347.03	.00	2.78	.00	36.10	193.00
*	853.400	1656.00	1351.52	.00	4.50	.00	36.09	300.00
*	856.600	1656.00	1356.22	.00	4.70	.00	36.08	320.00
*	859.600	1656.00	1360.82	.00	4.60	.00	36.09	300.00
*	863.910	1656.00	1362.82	.00	1.99	.00	36.03	431.00
*	864.210	1656.00	1362.92	.00	.11	.00	21.00	30.00
*	865.570	1656.00	1366.29	.00	3.36	.00	30.17	142.00
	866.070	1322.00	1367.39	.00	1.10	.00	52.75	50.00
	867.010	1322.00	1367.37	.00	-.02	.00	50.69	94.00
	867.020	1322.00	1367.37	.00	.00	.00	50.59	1.00
	867.780	1322.00	1367.35	.00	-.02	.00	48.50	77.00
	867.790	1322.00	1367.35	.00	.00	.00	48.59	1.00
	871.400	1322.00	1367.10	.00	-.25	.00	39.24	361.00
	871.730	1322.00	1367.12	.00	.02	.00	38.93	33.00
	871.830	1322.00	1367.44	.00	.32	.00	40.58	10.00
	871.930	1322.00	1367.44	.00	.00	.00	40.45	10.00
	871.970	1322.00	1369.11	.00	1.66	.00	46.07	4.00
	872.020	1424.00	1369.05	.00	-.05	.00	45.87	5.00
	872.370	1424.00	1369.07	.00	.02	.00	45.80	60.00

	SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
	872.470	1424.00	1369.03	.00	-.05	.00	45.92	10.00
	873.000	1424.00	1369.04	.00	.02	.00	45.77	53.00
*	878.390	1424.00	1369.79	.00	.75	.00	36.04	39.00
	878.850	1424.00	1370.32	.00	.53	.00	37.87	46.00
	878.950	1424.00	1370.87	.00	.56	.00	40.39	10.00
	879.050	1424.00	1370.88	.00	.01	.00	40.35	10.00
	879.090	1424.00	1372.21	.00	1.33	.00	44.85	4.00
	879.140	1424.00	1372.21	.00	.00	.00	44.83	5.00
	879.390	1424.00	1372.22	.00	.01	.00	44.82	25.00
	879.640	1643.00	1372.06	.00	-.16	.00	44.23	25.00
	879.740	1643.00	1372.06	.00	.00	.00	43.92	10.00
	879.840	1643.00	1371.96	.00	-.10	.00	43.64	10.00
	879.990	1643.00	1371.97	.00	.01	.00	43.51	15.00
*	883.000	1643.00	1374.97	.00	3.00	.00	37.82	301.00
*	883.480	1643.00	1375.23	.00	.26	.00	37.96	48.00
*	883.730	1643.00	1375.08	.00	-.15	.00	25.00	25.00
*	885.110	1643.00	1377.31	.00	2.23	.00	25.00	138.00
	885.370	1643.00	1377.16	.00	-.15	.00	36.13	26.00
*	889.450	1643.00	1379.22	.00	2.06	.00	36.06	393.00
	889.880	1643.00	1379.73	.00	.50	.00	37.71	43.00
	889.980	1643.00	1380.71	.00	.98	.00	43.64	10.00
	890.080	1643.00	1380.72	.00	.01	.00	43.59	10.00
	890.120	1643.00	1381.72	.00	1.01	.00	46.82	4.00
	890.170	1847.00	1381.61	.00	-.12	.00	46.42	5.00
	890.770	1847.00	1381.62	.00	.01	.00	46.00	60.00
	890.870	1847.00	1381.35	.00	-.27	.00	43.23	10.00

	SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
	891.030	1847.00	1381.36	.00	.01	.00	43.39	6.00
	891.590	1109.00	1382.21	.00	.85	.00	43.68	58.00
*	896.450	1109.00	1383.77	.00	1.55	.00	31.46	503.00
	896.680	1109.00	1384.15	.00	.39	.00	32.80	23.00
	896.780	1109.00	1385.07	.00	.92	.00	39.47	10.00
	896.880	1109.00	1385.08	.00	.01	.00	39.47	10.00
	896.920	1109.00	1385.82	.00	.74	.00	41.85	4.00
	896.970	1290.00	1385.69	.00	-.13	.00	41.35	5.00
	897.570	1290.00	1385.71	.00	.02	.00	40.90	60.00
	897.670	1290.00	1385.40	.00	-.31	.00	37.03	10.00
	898.030	1290.00	1385.44	.00	.04	.00	36.92	36.00
*	902.440	1290.00	1387.83	.00	2.39	.00	33.01	441.00
	902.620	1290.00	1388.23	.00	.40	.00	34.52	18.00
	902.720	1290.00	1389.19	.00	.96	.00	41.04	10.00
	902.820	1290.00	1389.20	.00	.01	.00	41.06	10.00
	902.860	1290.00	1390.01	.00	.81	.00	43.64	4.00
	902.910	1506.00	1389.87	.00	-.14	.00	43.16	5.00
	903.900	1506.00	1389.90	.00	.03	.00	42.67	99.00
	904.000	1506.00	1389.78	.00	-.13	.00	40.97	10.00
	904.010	887.00	1390.46	.00	.68	.00	42.27	1.00
	904.040	887.00	1390.46	.00	.00	.00	42.27	3.00
*	906.440	887.00	1390.48	.00	.02	.00	29.23	240.00
	906.560	887.00	1390.89	.00	.41	.00	30.93	12.00
	906.660	887.00	1391.66	.00	.78	.00	37.53	10.00
	906.760	887.00	1391.67	.00	.01	.00	37.48	10.00
	906.800	887.00	1392.39	.00	.72	.00	39.76	4.00

	SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
	906.850	1065.00	1392.25	.00	-.13	.00	39.32	5.00
	907.450	1065.00	1392.28	.00	.02	.00	39.01	60.00
	907.550	1065.00	1391.96	.00	-.32	.00	34.43	10.00
	908.040	1065.00	1391.89	.00	-.06	.00	31.81	49.00
*	912.440	1065.00	1394.42	.00	2.53	.00	29.71	440.00
	912.710	1065.00	1395.22	.00	.79	.00	34.28	27.00
	912.810	1065.00	1395.81	.00	.60	.00	39.72	10.00
	912.910	1065.00	1395.82	.00	.00	.00	39.64	10.00
	912.950	1065.00	1396.84	.00	1.03	.00	42.91	4.00
	913.000	1375.00	1396.65	.00	-.19	.00	42.29	5.00
	913.600	1375.00	1396.67	.00	.02	.00	42.01	60.00
	913.700	1375.00	1396.37	.00	-.30	.00	38.12	10.00
	916.610	1375.00	1396.73	.00	.36	.00	36.86	343.00
*	916.960	1175.00	1397.57	.00	.85	.00	21.00	35.00
*	918.640	1175.00	1399.62	.00	2.05	.00	21.00	168.00
	919.050	1175.00	1400.22	.00	.59	.00	35.26	41.00
*	927.010	1175.00	1404.76	.00	4.55	.00	32.19	797.00
	928.060	1175.00	1405.19	.00	.43	.00	32.75	105.00

SUMMARY OF ERRORS AND SPECIAL NOTES

CAUTION	SECNO=	843.150	PROFILE= 1	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=	843.150	PROFILE= 1	MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=	846.000	PROFILE= 1	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=	846.000	PROFILE= 1	MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=	847.400	PROFILE= 1	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=	847.400	PROFILE= 1	MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=	848.470	PROFILE= 1	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=	848.470	PROFILE= 1	MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=	850.400	PROFILE= 1	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=	850.400	PROFILE= 1	MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=	853.400	PROFILE= 1	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=	853.400	PROFILE= 1	MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=	856.600	PROFILE= 1	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=	856.600	PROFILE= 1	MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=	859.600	PROFILE= 1	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=	859.600	PROFILE= 1	MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=	863.910	PROFILE= 1	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=	863.910	PROFILE= 1	MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=	864.210	PROFILE= 1	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=	864.210	PROFILE= 1	MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=	865.570	PROFILE= 1	HYDRAULIC JUMP D.S.
CAUTION	SECNO=	878.390	PROFILE= 1	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=	878.390	PROFILE= 1	MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=	883.000	PROFILE= 1	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=	883.000	PROFILE= 1	MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=	883.480	PROFILE= 1	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=	883.480	PROFILE= 1	MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=	883.730	PROFILE= 1	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=	883.730	PROFILE= 1	MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=	885.110	PROFILE= 1	HYDRAULIC JUMP D.S.
CAUTION	SECNO=	889.450	PROFILE= 1	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=	889.450	PROFILE= 1	MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=	896.450	PROFILE= 1	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=	896.450	PROFILE= 1	MINIMUM SPECIFIC ENERGY

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CAUTION  SECNO=   902.440  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   902.440  PROFILE= 1  MINIMUM SPECIFIC ENERGY

CAUTION  SECNO=   906.440  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   906.440  PROFILE= 1  MINIMUM SPECIFIC ENERGY

CAUTION  SECNO=   912.440  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   912.440  PROFILE= 1  MINIMUM SPECIFIC ENERGY

CAUTION  SECNO=   916.960  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   916.960  PROFILE= 1  MINIMUM SPECIFIC ENERGY

CAUTION  SECNO=   918.640  PROFILE= 1  HYDRAULIC JUMP D.S.
CAUTION  SECNO=   918.640  PROFILE= 1  20 TRIALS OF EG NOT ENOUGH

CAUTION  SECNO=   927.010  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   927.010  PROFILE= 1  MINIMUM SPECIFIC ENERGY
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User: DEN104 -at

<OPS183>PROJ>PJ6114>DATA>HEC2>SPOWR50.OUT

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*****************************************************************************************************
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wwww  wwwww w   w   w    www  w
w   w w     ww  w  ww   w   w w  w
w   w w     w w w   w   w   w w  w
w   w wwww  w w w   w   w w w wwwww
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w   w w     w  ww   w   w   w    w
wwww  wwwww w   w  www   www     w



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 www  wwww  w   w w w w w wwww      w w w w       w   w w   w   w
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w   w w     w   w ww ww w  w  w   w w   w   ww  w   w w   w   w
 www  w      www  w   w w   w  www   www    ww   www   www    w


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[Spooler rev 20.0.6HB (c) Prime Computer, Inc., 1986]

Label: PRT127 -form DENPRT

Pathname: <OPS183>PROJ>PJ6114>DATA>HEC2>SPOWR50.OUT
File last modified: 88-08-17.18:49:56.Wed

Spooled: 88-09-13.12:22:56.Tue
Started: 88-09-13.12:36:36.Tue on: AMLC by: DENPRT

THIS RUN EXECUTED 08/16/88 22:14:57

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**************************************************
  HEC2 RELEASE DATED NOV 76 UPDATED MAY  1984
  ERROR CORR -  01,02,03,04,05,06
  MODIFICATION -  50,51,52,53,54,55,56
  IBM-PC-XT VERSION
**************************************************

C
T1       SUPER-CRITICAL RUN FROM GRADE BREAK BELOW POND 2 TO
T2       STATION 843+15. THROUGH POWER ROAD CBC
T3       Q=100 YEAR

J1  ICHECK    INQ       NINV      IDIR      STRT      METRIC    HVINS     Q         WSEL      FQ

      0.        2.        0.        1.   .000000      .00       .0        0.  1372.500     .000

J2  NPROF     IPLOT     PRFVS     XSECV     XSECH     FN        ALLDC     IBW       CHNIM     ITRACE

    -1.000     .000    -1.000     .000      .000      .000    -1.000     .000      .000      .000

J3  VARIABLE CODES FOR SUMMARY PRINTOUT

    150.000    .000      .000      .000      .000      .000      .000      .000      .000      .000

J5  LPRNT    NUMSEC                    ********REQUESTED SECTION NUMBERS********

    -10.000  -10.000      .000      .000      .000      .000      .000      .000      .000      .000

NC       .035      .035      .016      .100      .300      .000      .000      .000      .000      .000
QT      1.000  1380.000      .000      .000      .000      .000      .000      .000      .000      .000
          SLOPE BREAK BELOW TRANSITION SECTION FOR POND 2 (Q=DET2)
X1    878.390     4.000   473.000   527.000   539.000   539.000   539.000      .000      .000      .000
GR   1374.300   473.000  1364.760   492.000  1364.760   508.000  1374.300   527.000      .000      .000

          SLOPE BREAK ABOVE TRANSITION SECTION FOR POND 1
X1    873.000     4.000   473.000   527.000    53.000    53.000    53.000      .000      .000      .000
GR   1371.100   473.000  1361.640   492.000  1361.640   508.000  1371.100   527.000      .000      .000

          UPSTREAM END OF TRANSITION ABOVE DIVERSION FOR POND 1
X1    872.470     4.000   473.900   526.100    10.000    10.000    10.000      .000      .000      .000
GR   1370.600   473.900  1361.530   492.000  1361.530   508.000  1370.600   526.100      .000      .000

          DOWNSTREAM END OF TRANSITION ABOVE DIVERSION FOR POND 1
X1    872.370     4.000   474.500   525.500    60.000    60.000    60.000      .000      .000      .000
GR   1370.600   474.500  1361.510   490.000  1361.510   510.000  1370.600   525.500      .000      .000

          NEW FLOW AT DOWNSTREAM END OF WEIR (Q=DET1)
X1    872.020     4.000   474.600   525.400     5.000     5.000     5.000      .000      .000      .000
X2   1301.000      .000      .000      .000      .000      .000      .000      .000      .000      .000
GR   1370.500   474.600  1361.450   490.000  1361.450   510.000  1370.500   525.400      .000      .000
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          UPSTREAM SIDE OF CHANNEL CONSTRICTOR
X1    871.970      4.000    474.600    525.400      4.000      4.000      4.000       .000       .000       .000
X2       .000       .000      1.000   1366.440   1369.700       .000       .000       .000       .000       .000
BT      4.000    474.600   1369.700   1366.440    490.000   1369.700   1366.440    510.000   1369.700   1366.440
BT    525.400   1369.700   1366.440       .000       .000       .000       .000       .000       .000       .000
GR   1370.500    474.600   1361.440    490.000   1361.440    510.000   1370.500    525.400       .000       .000

SB       .000      1.560      2.560       .000     20.000       .000    142.500      1.700       .000       .000
          FLOW CONSTRICTOR FOR POND 1
X1    871.930      4.000    474.600    525.400     10.000     10.000     10.000       .000       .000       .000
GR   1370.500    474.600   1361.430    490.000   1361.430    510.000   1370.500    525.400       .000       .000

          UPSTREAM END OF TRANSITION SECTION BELOW POND 1
X1    871.830      4.000    474.700    525.500     10.000     10.000     10.000       .000       .000       .000
GR   1370.400    474.700   1361.410    490.000   1361.410    510.000   1370.500    525.500       .000       .000

          DOWNSTREAM END OF TRANSITION SECTION BELOW POND 1
X1    871.730      4.000    474.000    526.000     33.000     33.000     33.000       .000       .000       .000
GR   1370.400    474.000   1361.390    492.000   1361.390    508.000   1370.400    526.000       .000       .000

          GRADE BREAK BELOW DIVERSION STRUCTURE FOR POND 1
X1    871.400      4.000    474.000    527.000    361.000    361.000    361.000       .000       .000       .000
GR   1370.300    474.000   1361.300    492.000   1361.300    508.000   1370.800    527.000       .000       .000

          UPSTREAM END OF POND 1 SPILLWAY TOP
X1    867.790      4.000    475.100    527.000      1.000      1.000      1.000       .000       .000       .000
GR   1368.700    473.000   1359.200    492.000   1359.200    508.000   1368.700    527.000       .000       .000

          UPSTREAM END OF POND 1 SPILLWAY CREST
X1    867.780      4.000    475.100    527.000     77.000     77.000     77.000       .000       .000       .000
GR   1367.700    475.100   1359.200    492.000   1359.200    508.000   1368.700    527.000       .000       .000

          DOWNSTREAM END OF POND 1 SPILLWAY CREST
X1    867.020      4.000    474.100    526.800      1.000      1.000      1.000       .000       .000       .000
GR   1367.700    474.100   1358.710    492.000   1358.710    508.000   1368.100    526.800       .000       .000

          DOWNSTREAM END OF POND 1 SPILLWAY TOP
X1    867.010      4.000    473.200    526.800     94.000     94.000     94.000       .000       .000       .000
GR   1368.100    473.200   1358.710    492.000   1358.710    508.000   1368.100    526.800       .000       .000

          UPSTREAM END OF POWER ROAD BOX CULVERT TRANSITION (Q=ROPOW)
X1    866.070      6.000    473.400    526.600     50.000     50.000     50.000       .000       .000       .000
X2   1583.000       .000       .000       .000       .000       .000       .000       .000       .000       .000
X3     10.000       .000       .000    473.400   1367.500    526.600   1367.500       .000       .000       .000
GR   1368.200    375.000   1367.500    473.400   1358.200    492.000   1358.200    508.000   1367.500    526.600
GR   1370.000   1027.000       .000       .000       .000       .000       .000       .000       .000       .000

          POWER ROAD BOX- UPSTREAM END
X1    865.570      9.000    482.500    517.500    142.000    142.000    142.000       .000       .000       .000
X2       .000       .000      1.000   1364.000   1368.230       .000       .000       .000       .000       .000
X3     10.000       .000       .000    482.500   1367.500    517.500   1367.500       .000       .000       .000
BT      7.000    463.000   1372.400   1364.000    482.500   1372.020   1364.000    489.500   1372.020   1364.000
BT    510.500   1371.720   1364.000    517.500   1371.620   1364.000   1000.000   1368.230   1364.000   1057.100
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BT   1370.000   1364.000      .000      .000      .000      .000      .000      .000      .000      .000
GR   1372.400    463.000   1367.500    482.500   1364.000    489.500   1358.000    489.500   1358.000    510.500
GR   1364.000    510.500   1367.500    517.500   1369.720   1000.000   1370.000   1057.000      1.000      .000

SB      1.250      1.560      2.560      .000     21.000      1.000    120.000      .000   1358.000   1357.010
         POWER ROAD BOX- DOWNSTREAM END
X1    864.210      4.000    489.500    510.500     30.000     30.000     30.000      .000      .000      .000
X3     10.000       .000       .000      .000       .000       .000       .000   1365.160   1365.160      .000
GR   1366.700    489.500   1357.170    489.500   1357.170    510.500   1366.700    510.500      .000      .000

         DOWNSTREAM END OF TRANSITION BELOW POWER BOX
X1    863.910      4.000    475.000    525.000    431.000    431.000    431.000      .000      .000      .000
GR   1366.500    475.000   1357.010    492.000   1357.010    506.000   1366.500    525.000      .000      .000

         GRADE BREAK 460 FEET DOWNSTREAM FROM POWER BOX
X1    859.600      4.000    475.000    525.000    300.000    300.000    300.000      .000      .000      .000
GR   1364.300    475.000   1354.800    494.000   1354.800    506.000   1364.300    525.000      .000      .000

         URS SURVEYED ELEVATION-EXISTING CHANNEL
X1    856.600      4.000    475.000    525.000    320.000    320.000    320.000      .000      .000      .000
GR   1359.700    475.000   1350.200    494.000   1350.200    506.000   1359.700    525.000      .000      .000

         URS SURVEYED ELEVATION-EXISTING CHANNEL
X1    853.400      4.000    475.000    525.000    300.000    300.000    300.000      .000      .000      .000
GR   1355.000    475.000   1345.500    494.000   1345.500    506.000   1355.000    525.000      .000      .000

         URS SURVEYED ELEVATION-EXISTING CHANNEL
X1    850.400      4.000    475.000    525.000    193.000    193.000    193.000      .000      .000      .000
GR   1350.500    475.000   1341.000    494.000   1341.000    506.000   1350.500    525.000      .000      .000

         STORM SEWER OUTFALL TO EXISTING CHANNEL (Q=COFY1)
X1    848.470      4.000    475.000    525.000    107.000    107.000    107.000      .000      .000      .000
X2   1590.000       .000       .000      .000       .000       .000       .000      .000      .000      .000
GR   1347.700    475.000   1338.230    494.000   1338.230    506.000   1347.700    525.000      .000      .000

         URS SURVEYED ELEVATION-EXISTING CHANNEL
X1    847.400      4.000    475.000    525.000     50.000     50.000     50.000      .000      .000      .000
GR   1346.200    475.000   1336.700    494.000   1336.700    506.000   1346.200    525.000      .000      .000

         URS SURVEYED ELEVATION-EXISTING CHANNEL
X1    846.000      4.000    475.000    525.000    285.000    285.000    285.000      .000      .000      .000
GR   1345.700    475.000   1336.200    494.000   1336.200    506.000   1345.700    525.000      .000      .000

         URS SURVEYED ELEVATION-EXISTING CHANNEL
X1    843.150      4.000    475.000    525.000   2699.000   2699.000   2699.000      .000      .000      .000
GR   1344.800    475.000   1335.300    494.000   1335.300    506.000   1344.800    525.000      .000      .000
EJ       .000       .000       .000      .000       .000       .000       .000      .000      .000      .000
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THIS RUN EXECUTED 08/16/88 22:15:19

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  HEC2 RELEASE DATED NOV 76 UPDATED MAY  1984
  ERROR CORR -  01,02,03,04,05,06
  MODIFICATION -  50,51,52,53,54,55,56
  IBM-PC-XT VERSION
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NOTE- ASTERISK (*) AT LEFT OF CROSS-SECTION NUMBER INDICATES MESSAGE IN SUMMARY OF ERRORS LIST

Q=100 YEAR

SUMMARY PRINTOUT TABLE 150

	SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRIWS	EG	10K*S	VCH	AREA	.01K
*	878.390	.00	.00	.00	1364.76	1380.00	1369.70	1369.70	1371.52	26.97	10.81	127.61	265.71
	873.000	539.00	.00	.00	1361.64	1380.00	1365.45	1366.58	1369.10	71.65	15.33	90.05	163.03
	872.470	53.00	.00	.00	1361.53	1380.00	1365.76	1366.47	1368.52	48.44	13.34	103.44	198.28
	872.370	10.00	.00	.00	1361.51	1380.00	1365.13	1366.10	1368.42	63.26	14.55	94.86	173.50
	872.020	60.00	.00	.00	1361.45	1301.00	1365.19	1365.88	1367.91	50.74	13.24	98.28	182.64
*	871.970	5.00	1369.70	1366.44	1361.44	1301.00	1365.22	1365.86	1367.86	48.67	13.05	99.70	186.49
*	871.930	4.00	.00	.00	1361.43	1301.00	1365.23	1365.88	1367.82	47.30	12.92	100.68	189.16
	871.830	10.00	.00	.00	1361.41	1301.00	1365.38	1365.86	1367.70	40.35	12.22	106.46	204.81
*	871.730	10.00	.00	.00	1361.39	1301.00	1366.17	1366.17	1367.93	27.15	10.66	122.07	249.69
	871.400	33.00	.00	.00	1361.30	1301.00	1366.03	1366.08	1367.84	28.12	10.79	120.56	245.36
	867.790	361.00	.00	.00	1359.20	1301.00	1363.02	1363.99	1366.24	62.91	14.39	90.39	164.03
	867.780	1.00	.00	.00	1359.20	1301.00	1363.03	1363.98	1366.23	62.37	14.36	90.63	164.74
	867.020	77.00	.00	.00	1358.71	1301.00	1362.54	1363.49	1365.74	62.57	14.37	90.54	164.47
	867.010	1.00	.00	.00	1358.71	1301.00	1362.54	1363.49	1365.73	62.16	14.33	90.79	165.01
*	866.070	94.00	.00	.00	1358.20	1583.00	1363.54	1363.54	1365.46	26.27	11.12	142.35	308.86
*	865.570	50.00	1368.23	1364.00	1358.00	1583.00	1363.72	1363.72	1366.42	35.08	13.17	120.20	267.27
*	864.210	142.00	.00	.00	1357.17	1583.00	1362.12	1362.77	1365.72	53.37	15.23	103.92	216.68

SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRIWS	EG	10K*S	VCH	AREA	.01K
863.910	30.00	.00	.00	1357.01	1583.00	1361.38	1362.67	1365.48	71.71	16.26	97.34	186.94
859.600	431.00	.00	.00	1354.80	1583.00	1360.13	1360.68	1362.81	39.63	13.13	120.53	251.46
856.600	300.00	.00	.00	1350.20	1583.00	1354.14	1356.08	1360.47	129.12	20.19	78.41	139.31
853.400	320.00	.00	.00	1345.50	1583.00	1349.36	1351.38	1356.11	141.14	20.85	75.92	133.25
850.400	300.00	.00	.00	1341.00	1583.00	1344.81	1346.88	1351.77	147.18	21.17	74.78	130.48
848.470	193.00	.00	.00	1338.23	1590.00	1342.07	1344.11	1348.93	144.06	21.02	75.64	132.47
847.400	107.00	.00	.00	1336.70	1590.00	1340.54	1342.59	1347.39	143.31	20.99	75.75	132.82
846.000	50.00	.00	.00	1336.20	1590.00	1340.14	1342.09	1346.58	131.78	20.36	78.08	138.50
843.150	285.00	.00	.00	1335.30	1590.00	1340.39	1341.19	1343.45	47.41	14.04	113.24	230.92

Q=100 YEAR

SUMMARY PRINTOUT TABLE 150

	SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
*	878.390	1380.00	1369.70	.00	.00	-2.80	35.67	.00
	873.000	1380.00	1365.45	.00	-4.25	.00	31.30	539.00
	872.470	1380.00	1365.76	.00	.31	.00	32.89	53.00
	872.370	1380.00	1365.13	.00	-.63	.00	32.36	10.00
	872.020	1301.00	1365.19	.00	.06	.00	32.69	60.00
*	871.970	1301.00	1365.22	.00	.03	.00	32.83	5.00
*	871.930	1301.00	1365.23	.00	.02	.00	32.92	4.00
	871.830	1301.00	1365.38	.00	.15	.00	33.55	10.00
*	871.730	1301.00	1366.17	.00	.79	.00	35.09	10.00
	871.400	1301.00	1366.03	.00	-.14	.00	34.94	33.00
	867.790	1301.00	1363.02	.00	-3.01	.00	31.29	361.00
	867.780	1301.00	1363.03	.00	.01	.00	31.29	1.00
	867.020	1301.00	1362.54	.00	-.49	.00	31.29	77.00
	867.010	1301.00	1362.54	.00	.01	.00	31.35	1.00
*	866.070	1583.00	1363.54	.00	.99	.00	37.35	94.00
*	865.570	1583.00	1363.72	.00	.19	.00	21.00	50.00
*	864.210	1583.00	1362.12	.00	-1.61	.00	21.00	142.00
	863.910	1583.00	1361.38	.00	-.74	.00	30.57	30.00
	859.600	1583.00	1360.13	.00	-1.25	.00	33.29	431.00
	856.600	1583.00	1354.14	.00	-5.99	.00	27.77	300.00
	853.400	1583.00	1349.36	.00	-4.78	.00	27.41	320.00
	850.400	1583.00	1344.81	.00	-4.55	.00	27.24	300.00
	848.470	1590.00	1342.07	.00	-2.74	.00	27.41	193.00
	847.400	1590.00	1340.54	.00	-1.52	.00	27.39	107.00

SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
846.000	1590.00	1340.14	.00	-.41	.00	27.72	50.00
843.150	1590.00	1340.39	.00	.25	.00	32.40	285.00

SUMMARY OF ERRORS AND SPECIAL NOTES

```
CAUTION  SECNO=   878.390  PROFILE= 1  CRITICAL DEPTH ASSUMED

CAUTION  SECNO=   871.970  PROFILE= 1  MINIMUM SPECIFIC ENERGY

CAUTION  SECNO=   871.930  PROFILE= 1  MINIMUM SPECIFIC ENERGY

CAUTION  SECNO=   871.730  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   871.730  PROFILE= 1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   871.730  PROFILE= 1  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION  SECNO=   866.070  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   866.070  PROFILE= 1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   866.070  PROFILE= 1  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION  SECNO=   865.570  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   865.570  PROFILE= 1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   865.570  PROFILE= 1  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION  SECNO=   864.210  PROFILE= 1  BRIDGE DROWNS U.S. PROFILE
                                       NEW BACKWATER REQUIRED
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User: DEN104 -at

<OPS183>PROJ>PJ6114>DATA>HEC2>SPOWR100.OUT

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WWWW  WWWWW W   W   W    WWW  W
W   W W     WW  W  WW   W   W W  W
W   W W     W W W   W   W   W W  W
W   W WWWW  W W W   W   W W W WWWWW
W   W W     W W W   W   W   W    W
W   W W     W  WW   W   W   W    W
WWWW  WWWWW W   W  WWW   WWW     W



 WWW  WWWW   WWW  W   W WWWW    W    WWW   WWW         WWW  W   W WWWWW
W   W W   W W   W W   W W   W  WW   W   W W   W       W   W W   W   W
W     W   W W   W W W W W   W   W   W   W W   W       W   W W   W   W
 WWW  WWWW  W   W W W W W WWWW    W   W W W W W W     W   W W   W   W
    W W     W   W W W W W W W     W   W   W W   W     W   W W   W   W
W   W W     W   W WW WW W  W    W   W   W W   W   WW  W   W W   W   W
 WWW  W      WWW  W   W W   W  WWW   WWW   WWW    WW   WWW   WWW    W

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[Spooler rev 20.0.6HB (c) Prime Computer, Inc., 1986]

Label: PRT126 -form DENPRT

Pathname: <OPS183>PROJ>PJ6114>DATA>HEC2>SPOWR100.OUT
File last modified: 88-08-16.20:08:44.Tue

Spooled: 88-09-13.12:24:20.Tue
Started: 88-09-13.12:32:44.Tue on: AMLC by: DENPRT

THIS RUN EXECUTED 08/16/88 20:34:31

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**************************************************
  HEC2 RELEASE DATED NOV 76 UPDATED MAY  1984
  ERROR CORR -  01,02,03,04,05,06
  MODIFICATION -  50,51,52,53,54,55,56
  IBM-PC-XT VERSION
**************************************************

C
T1       SUPER-CRITICAL RUN FROM GRADE BREAK BELOW POND 2 TO
T2       STATION 863+91. THROUGH POWER ROAD CBC
T3       Q=100 YEAR

J1  ICHECK    INQ       NINV      IDIR      STRT      METRIC    HVINS     Q         WSEL      FQ

      0.        2.        0.        1.   .000000      .00       .0        0.  1372.500      .000

J2  NPROF     IPLOT     PRFVS     XSECV     XSECH     FN        ALLDC     IBW       CHNIM     ITRACE

    -1.000      .000    -1.000     1.000     2.000      .000      .000      .000      .000      .000

J3  VARIABLE CODES FOR SUMMARY PRINTOUT

    150.000      .000      .000      .000      .000      .000      .000      .000      .000      .000

J5  LPRNT    NUMSEC                    ********REQUESTED SECTION NUMBERS********

    -10.000   -10.000      .000      .000      .000      .000      .000      .000      .000      .000

NC       .035       .035       .016       .100       .300       .000       .000       .000       .000       .000
QT      1.000   1424.000       .000       .000       .000       .000       .000       .000       .000       .000
          SLOPE BREAK BELOW TRANSITION SECTION FOR POND 2 (Q=DET2)
X1    878.390      4.000    473.000    527.000    539.000    539.000    539.000       .000       .000       .000
GR   1374.300    473.000   1364.760    492.000   1364.760    508.000   1374.300    527.000       .000       .000

          SLOPE BREAK ABOVE TRANSITION SECTION FOR POND 1
X1    873.000      4.000    473.000    527.000     53.000     53.000     53.000       .000       .000       .000
GR   1371.100    473.000   1361.640    492.000   1361.640    508.000   1371.100    527.000       .000       .000

          UPSTREAM END OF TRANSITION ABOVE DIVERSION FOR POND 1
X1    872.470      4.000    473.900    526.100     10.000     10.000     10.000       .000       .000       .000
GR   1370.600    473.900   1361.530    492.000   1361.530    508.000   1370.600    526.100       .000       .000

          DOWNSTREAM END OF TRANSITION ABOVE DIVERSION FOR POND 1
X1    872.370      4.000    474.500    525.500     60.000     60.000     60.000       .000       .000       .000
GR   1370.600    474.500   1361.510    490.000   1361.510    510.000   1370.600    525.500       .000       .000

          NEW FLOW AT DOWNSTREAM END OF WEIR (Q=DET1)
X1    872.020      4.000    474.600    525.400      5.000      5.000      5.000       .000       .000       .000
X2   1322.000       .000       .000       .000       .000       .000       .000       .000       .000       .000
GR   1370.500    474.600   1361.450    490.000   1361.450    510.000   1370.500    525.400       .000       .000
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          UPSTREAM SIDE OF CHANNEL CONSTRICTOR
X1    871.970      4.000    474.600    525.400      4.000      4.000      4.000       .000       .000       .000
X2       .000       .000      1.000   1366.440   1369.700       .000       .000       .000       .000       .000
BT      4.000    474.600   1369.700   1366.440    490.000   1369.700   1366.440    510.000   1369.700   1366.440
BT    525.400   1369.700   1366.440       .000       .000       .000       .000       .000       .000       .000
GR   1370.500    474.600   1361.440    490.000   1361.440    510.000   1370.500    525.400       .000       .000

SB       .000      1.560      2.560       .000     20.000       .000    142.500      1.700       .000       .000
          FLOW CONSTRICTOR FOR POND 1
X1    871.930      4.000    474.600    525.400     10.000     10.000     10.000       .000       .000       .000
GR   1370.500    474.600   1361.430    490.000   1361.430    510.000   1370.500    525.400       .000       .000

          UPSTREAM END OF TRANSITION SECTION BELOW POND 1
X1    871.830      4.000    474.700    525.500     10.000     10.000     10.000       .000       .000      1.000
GR   1370.400    474.700   1361.410    490.000   1361.410    510.000   1370.500    525.500       .000       .000

          DOWNSTREAM END OF TRANSITION SECTION BELOW POND 1
X1    871.730      4.000    474.000    526.000     33.000     33.000     33.000       .000       .000      1.000
GR   1370.400    474.000   1361.390    492.000   1361.390    508.000   1370.400    526.000       .000       .000

          GRADE BREAK BELOW DIVERSION STRUCTURE FOR POND 1
X1    871.400      4.000    474.000    527.000    361.000    361.000    361.000       .000       .000      1.000
GR   1370.300    474.000   1361.300    492.000   1361.300    508.000   1370.800    527.000       .000       .000

          UPSTREAM END OF POND 1 SPILLWAY TOP
X1    867.790      4.000    475.100    527.000      1.000      1.000      1.000       .000       .000      1.000
GR   1368.700    473.000   1359.200    492.000   1359.200    508.000   1368.700    527.000       .000       .000

          UPSTREAM END OF POND 1 SPILLWAY CREST
X1    867.780      4.000    475.100    527.000     77.000     77.000     77.000       .000       .000      1.000
GR   1367.700    475.100   1359.200    492.000   1359.200    508.000   1368.700    527.000       .000       .000

          DOWNSTREAM END OF POND 1 SPILLWAY CREST
X1    867.020      4.000    474.100    526.800      1.000      1.000      1.000       .000       .000      1.000
GR   1367.700    474.100   1358.710    492.000   1358.710    508.000   1368.100    526.800       .000       .000

          DOWNSTREAM END OF POND 1 SPILLWAY TOP
X1    867.010      4.000    473.200    526.800     94.000     94.000     94.000       .000       .000      1.000
GR   1368.100    473.200   1358.710    492.000   1358.710    508.000   1368.100    526.800       .000       .000

          UPSTREAM END OF POWER ROAD BOX CULVERT TRANSITION (Q=ROPOW)
X1    866.070      6.000    473.400    526.600     50.000     50.000     50.000       .000       .000     10.000
X2   1656.000       .000       .000       .000       .000       .000       .000       .000       .000       .000
X3     10.000       .000       .000    473.400   1367.500    526.600   1367.500       .000       .000       .000
GR   1368.200    375.000   1367.500    473.400   1358.200    492.000   1358.200    508.000   1367.500    526.600
GR   1370.000   1027.000       .000       .000       .000       .000       .000       .000       .000       .000

          POWER ROAD BOX- UPSTREAM END
X1    865.570      9.000    482.500    517.500    142.000    142.000    142.000       .000       .000     10.000
X2       .000       .000      1.000   1364.000   1368.230       .000       .000       .000       .000       .000
X3     10.000       .000       .000    482.500   1367.500    517.500   1367.500       .000       .000       .000
BT      7.000    463.000   1372.400   1364.000    482.500   1372.020   1364.000    489.500   1372.020   1364.000
BT    510.500   1371.720   1364.000    517.500   1371.620   1364.000   1000.000   1368.230   1364.000   1057.100
```

```
BT   1370.000   1364.000      .000       .000       .000       .000       .000       .000       .000       .000
GR   1372.400    463.000   1367.500    482.500   1364.000    489.500   1358.000    489.500   1358.000    510.500
GR   1364.000    510.500   1367.500    517.500   1369.720   1000.000   1370.000   1057.000      1.000       .000

SB      1.250      1.560      2.560       .000     21.000      1.000    120.000       .000   1358.000   1357.010
          POWER ROAD BOX- DOWNSTREAM END
X1    864.210      4.000    489.500    510.500     30.000     30.000     30.000       .000       .000      1.000
X3     10.000       .000       .000       .000       .000       .000       .000   1365.160   1365.160       .000
GR   1366.700    489.500   1357.170    489.500   1357.170    510.500   1366.700    510.500       .000       .000

          DOWNSTREAM END OF TRANSITION BELOW POWER BOX
X1    863.910      4.000    475.000    525.000    431.000    431.000    431.000       .000       .000      1.000
GR   1366.500    475.000   1357.010    492.000   1357.010    506.000   1366.500    525.000       .000       .000
EJ       .000       .000       .000       .000       .000       .000       .000       .000       .000       .000
```

```
CROSS SECTION    871.83
STREAM   Q=100 YEAR
DISCHARGE=     1322.

PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

ELEV 1361.     1362.     1363.     1364.     1365.     1366.     1367.     1368.     1369.     1370.     1371.

   STA-FEET

 2 474. .         .         .         .         .         .         .         .         .         .   X     .     BANK.
   476. .         .         .         .         .         .         .         .         . X       .         .        .
   478. .         .         .         .         .         .         .         X         .         .         .        .
   480. .         .         .         .         .         .         X.        E.        .         .         .        .
   482. .         .         .         .         .         X C.      .         E.        .         .         .        .
   484. .         .         .         .    X    . W      C.        .         E.        .         .         .        .
   486. .         .         . X       .         . W      C.        .         E.        .         .         .        .
   488. .         . X       .         .         . W      C.        .         E.        .         .         .        .
 3 490. .   X     .         .         .         . W      C.        .         E.        .         .         .        .
   492. .   X     .         .         .         . W      C.        .         E.        .         .         .        .
   494. .   X     .         .         .         . W      C.        .         E.        .         .         .        .
   496. .   X     .         .         .         . W      C.        .         E.        .         .         .        .
   498. .   X     .         .         .         . W      C.        .         E.        .         .         .        .
   500. .   X     .         .         .         . W      C.        .         E.        .         .         .        .
   502. .   X     .         .         .         . W      C.        .         E.        .         .         .        .
   504. .   X     .         .         .         . W      C.        .         E.        .         .         .        .
   506. .   X     .         .         .         . W      C.        .         E.        .         .         .        .
   508. .   X     .         .         .         . W      C.        .         E.        .         .         .        .
 4 510. .   X     .         .         .         . W      C.        .         E.        .         .         .        .
   512. .         .     X   .         .         . W      C.        .         E.        .         .         .        .
   514. .         .         .       X .         . W      C.        .         E.        .         .         .        .
   516. .         .         .         .       X. W      C.        .         E.        .         .         .        .
   518. .         .         .         .         .         .X        .         E.        .         .         .        .
   520. .         .         .         .         .         .         .    X    E.        .         .         .        .
   522. .         .         .         .         .         .         .         .    X    .         .         .        .
   524. .         .         .         .         .         .         .         .         .    X    .         .        .
 5 526. .         .         .         .         .         .         .         .         .         .   X     .     BANK.

NRD=       0 ELLC=  9999999.00 ELTRD=  9999999.00

  EL(I),STA(I)
    1370.40      474.70     1361.41      490.00     1361.41      510.00     1370.50      525.50
```

CROSS SECTION 871.73
STREAM Q=100 YEAR
DISCHARGE= 1322.

PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

```
ELEV 1361.     1362.     1363.     1364.     1365.     1366.     1367.     1368.     1369.     1370.     1371.

    STA-FEET

 2 474. .                                                                                                X       .     BANK.
   476. .                                                                                        X       .             .
   478. .                                                                                X               .             .
   480. .                                                                        X       .               .             .
   482. .                                                        X       E       .               .               .
   484. .                                                X       .   W           .               .               .
   486. .                                        X       .       W           .               .               .
   488. .                                .       .       .       W           .               .               .
   490. .                        X       .       .       .       W           .               .               .
 3 492. .        X             .       .       .       .       W           .               .               .
   494. .        X             .       .       .       .       W           .               .               .
   496. .        X             .       .       .       .       W           .               .               .
   498. .        X             .       .       .       .       W           .               .               .
   500. .        X             .       .       .       .       W           .               .               .
   502. .        X             .       .       .       .       W           .               .               .
   504. .        X             .       .       .       .       W           .               .               .
   506. .        X             .       .       .       .       W           .               .               .
 4 508. .        X             .       .       .       .       W           .               .               .
   510. .                .       .       .       .       .       W           .               .               .
   512. .                .       .       .       .       .       W           .               .               .
   514. .                .       .       .       .       .       W           .               .               .
   516. .                .       .       .       .       .       W           .               .               .
   518. .                .       .       .       .       .       W           .               .               .
   520. .                .       .       .       .       .           X       .               .               .
   522. .                .       .       .       .       .               .       .       E       .               .
   524. .                .       .       .       .       .               .               .       X       .               .
 5 526. .                .       .       .       .       .               .               .               .       X       .     BANK.
```

NRD= 0 ELLC= 9999999.00 ELTRD= 9999999.00

EL(I),STA(I)

1370.40	474.00	1361.39	492.00	1361.39	508.00	1370.40	526.00

```
CROSS SECTION    871.40
STREAM   Q=100 YEAR
DISCHARGE=      1322.


PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

ELEV 1361.    1362.     1363.     1364.     1365.     1366.     1367.     1368.     1369.     1370.     1371.

    STA-FEET

  2 474. .         .         .         .         .         .         .         .         .         .  X      .         BANK.
    476. .         .         .         .         .         .         .         .         .  X      .         .         .
    478. .         .         .         .         .         .         .         .  X      .         .         .         .
    480. .         .         .         .         .         .         .  X      .        E.         .         .         .
    482. .         .         .         .         .         .  X      .         .        E.         .         .         .
    484. .         .         .         .         .  X      .W        .         .        E.         .         .         .
    486. .         .         .         .  X      .         .W        .         .        E.         .         .         .
    488. .         .         .  X      .         .         .W        .         .        E.         .         .         .
    490. .         .  X      .         .         .         .W        .         .        E.         .         .         .
  3 492. .  X      .         .         .         .         .W        .         .        E.         .         .         .
    494. .  X      .         .         .         .         .W        .         .        E.         .         .         .
    496. .  X      .         .         .         .         .W        .         .        E.         .         .         .
    498. .  X      .         .         .         .         .W        .         .        E.         .         .         .
    500. .  X      .         .         .         .         .W        .         .        E.         .         .         .
    502. .  X      .         .         .         .         .W        .         .        E.         .         .         .
    504. .  X      .         .         .         .         .W        .         .        E.         .         .         .
    506. .  X      .         .         .         .         .W        .         .        E.         .         .         .
  4 508. .  X      .         .         .         .         .W        .         .        E.         .         .         .
    510. .         .  X      .         .         .         .W        .         .        E.         .         .         .
    512. .         .         .  X      .         .         .W        .         .        E.         .         .         .
    514. .         .         .         .  X      .         .W        .         .        E.         .         .         .
    516. .         .         .         .         .  X      .W        .         .        E.         .         .         .
    518. .         .         .         .         .         .  X      .         .        E.         .         .         .
    520. .         .         .         .         .         .         .  X      .        E.         .         .         .
    522. .         .         .         .         .         .         .         .  X      .         .         .         .
    524. .         .         .         .         .         .         .         .         .  X      .         .         .
  5 526. .         .         .         .         .         .         .         .         .       X .         BANK.

NRD=        0 ELLC=  9999999.00 ELTRD=  9999999.00

 EL(I),STA(I)
  1370.30       474.00     1361.30      492.00     1361.30      508.00     1370.80      527.00
```

CROSS SECTION 867.79
STREAM Q=100 YEAR
DISCHARGE= 1322.

PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

```
ELEV 1359.     1360.     1361.     1362.     1363.     1364.     1365.     1366.     1367.     1368.     1369.

   STA-FEET

 2 473. .         .         .         .         .                   .         .         .         .         .         X .     BANK.
   475. .         .         .         .         .                   .         .         .         .         X .         .         .
   477. .         .         .         .         .                   .         .         .         X         .         .         .
   479. .         .         .         .         .                   .         X .       E         .         .         .         .
   481. .         .         .         .         .                 X .         .         E         .         .         .         .
   483. .         .         .         .         .       X   C       .         .         E         .         .         .         .
   485. .         .         .         .       X .W        C       .         .         E         .         .         .         .
   487. .         .         .       X .         .W        C       .         .         E         .         .         .         .
   489. .         .       X .         .         .W        C       .         .         E         .         .         .         .
 3 491. . X       .         .         .         .W        C       .         .         E         .         .         .         .
   493. . X       .         .         .         .W        C       .         .         E         .         .         .         .
   495. . X       .         .         .         .W        C       .         .         E         .         .         .         .
   497. . X       .         .         .         .W        C       .         .         E         .         .         .         .
   499. . X       .         .         .         .W        C       .         .         E         .         .         .         .
   501. . X       .         .         .         .W        C       .         .         E         .         .         .         .
   503. . X       .         .         .         .W        C       .         .         E         .         .         .         .
   505. . X       .         .         .         .W        C       .         .         E         .         .         .         .
 4 507. . X       .         .         .         .W        C       .         .         E         .         .         .         .
   509. .         . X       .         .         .W        C       .         .         E         .         .         .         .
   511. .         .         . X       .         .W        C       .         .         E         .         .         .         .
   513. .         .         .         . X       .W        C       .         .         E         .         .         .         .
   515. .         .         .         .         . X       C       .         .         E         .         .         .         .
   517. .         .         .         .         .           X     .         .         E         .         .         .         .
   519. .         .         .         .         .                 . X       .         E         .         .         .         .
   521. .         .         .         .         .                 .         .        XE         .         .         .         .
   523. .         .         .         .         .                 .         .         .         . X       .         .         .
   525. .         .         .         .         .                 .         .         .         .         . X       .         .
 5 527. .         .         .         .         .                 .         .         .         .         .         X .     BANK.
```

NRD= 0 ELLC= 9999999.00 ELTRD= 9999999.00

EL(I),STA(I)

1368.70	473.00	1359.20	492.00	1359.20	508.00	1368.70	527.00

CROSS SECTION 867.78
STREAM Q=100 YEAR
DISCHARGE= 1322.

PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

```
ELEV 1359.     1360.     1361.     1362.     1363.     1364.     1365.     1366.     1367.     1368.     1369.

   STA-FEET

 2 475. .                                                                                   X                BANK.
   477. .                                                                          X                            .
   479. .                                                                                                       .
   481. .                                                                    X     E                            .
   483. .                                                            X       E                                    .
   485. .                                          X   C                     E                                    .
   487. .                                    X     .W  C                     E                                    .
   489. .                          X                 .W  C                     E                                    .
 3 491. . X                                          .W  C                     E                                    .
   493. . X                                          .W  C                     E                                    .
   495. . X                                          .W  C                     E                                    .
   497. . X                                          .W  C                     E                                    .
   499. . X                                          .W  C                     E                                    .
   501. . X                                          .W  C                     E                                    .
   503. . X                                          .W  C                     E                                    .
   505. . X                                          .W  C                     E                                    .
 4 507. . X                                          .W  C                     E                                    .
   509. .                 X                          .W  C                     E                                    .
   511. .                          X                 .W  C                     E                                    .
   513. .                                    X       .W  C                     E                                    .
   515. .                                            . X C                     E                                    .
   517. .                                                    X                 E                                    .
   519. .                                                                      E                                    .
   521. .                                                            X         E                                    .
   523. .                                                                      XE                                   .
   525. .                                                                                   X                       .
 5 527. .                                                                                            X              .
                                                                                                          X          .  BANK.
NRD=       0 ELLC=  9999999.00 ELTRD=  9999999.00

 EL(I),STA(I)
   1367.70      475.10      1359.20      492.00      1359.20      508.00      1368.70      527.00
```

CROSS SECTION 867.02
STREAM Q=100 YEAR
DISCHARGE= 1322.

PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

```
ELEV 1358.     1359.     1360.     1361.     1362.     1363.     1364.     1365.     1366.     1367.     1368.

   STA-FEET

 2 474. .         .         .         .         .         .         .         .         .         .         .         X .     BANK.
   476. .         .         .         .         .         .         .         .         .         .         X         .         .
   478. .         .         .         .         .         .         .         .         .         .         .         .         .
   480. .         .         .         .         .         .         .         .         .         .         .         .         .
   482. .         .         .         .         .         .         .         .         .         .         .         .         .
   484. .         .         .         .         .         .         .         .         .         .         .         .         .
   486. .         .         .         .         .         .         .         .         .         .         .         .         .
   488. .         .         .         .         .         .         .         .         .         .         .         .         .
   490. .         .         .         .         .         .         .         .         .         .         .         .         .
 3 492. .         .         .         .         .         .         .         .         .         .         .         .         .
   494. .         .         .         .         .         .         .         .         .         .         .         .         .
   496. .         .         .         .         .         .         .         .         .         .         .         .         .
   498. .         .         .         .         .         .         .         .         .         .         .         .         .
   500. .         .         .         .         .         .         .         .         .         .         .         .         .
   502. .         .         .         .         .         .         .         .         .         .         .         .         .
   504. .         .         .         .         .         .         .         .         .         .         .         .         .
   506. .         .         .         .         .         .         .         .         .         .         .         .         .
 4 508. .         .         .         .         .         .         .         .         .         .         .         .         .
   510. .         .         .         .         .         .         .         .         .         .         .         .         .
   512. .         .         .         .         .         .         .         .         .         .         .         .         .
   514. .         .         .         .         .         .         .         .         .         .         .         .         .
   516. .         .         .         .         .         .         .         .         .         .         .         .         .
   518. .         .         .         .         .         .         .         .         .         .         .         .         .
   520. .         .         .         .         .         .         .         .         .         .         .         .         .
   522. .         .         .         .         .         .         .         .         .         .         .         .         .
   524. .         .         .         .         .         .         .         .         .         .         .         .         .
 5 526. .         .         .         .         .         .         .         .         .         .         .         .         .
                                                                                                                          .X     BANK.
```

NRD= 0 ELLC= 9999999.00 ELTRD= 9999999.00

EL(I),STA(I)
1367.70 474.10 1358.71 492.00 1358.71 508.00 1368.10 526.80

```
CROSS SECTION    867.01
STREAM   Q=100 YEAR
DISCHARGE=     1322.

PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

ELEV 1358.     1359.     1360.     1361.     1362.     1363.     1364.     1365.     1366.     1367.     1368.

    STA-FEET

 2 473. .         .         .         .         .         .         .         .         .         .         .X    BANK.
   475. .         .         .         .         .         .         .         .         .         .X        .         .
   477. .         .         .         .         .         .         .         .         .X        .         .         .
   479. .         .         .         .         .         .         .         .X      E .         .         .         .
   481. .         .         .         .         .         .         .X        .       E .         .         .         .
   483. .         .         .         .         .         .X      C .         .       E .         .         .         .
   485. .         .         .         .         .X      W .       C .         .       E .         .         .         .
   487. .         .         .         .X        .       W .       C .         .       E .         .         .         .
   489. .         .         .X        .         .       W .       C .         .       E .         .         .         .
 3 491. .       X .         .         .         .       W .       C .         .       E .         .         .         .
   493. .       X .         .         .         .       W .       C .         .       E .         .         .         .
   495. .       X .         .         .         .       W .       C .         .       E .         .         .         .
   497. .       X .         .         .         .       W .       C .         .       E .         .         .         .
   499. .       X .         .         .         .       W .       C .         .       E .         .         .         .
   501. .       X .         .         .         .       W .       C .         .       E .         .         .         .
   503. .       X .         .         .         .       W .       C .         .       E .         .         .         .
   505. .       X .         .         .         .       W .       C .         .       E .         .         .         .
 4 507. .       X .         .         .         .       W .       C .         .       E .         .         .         .
   509. .         .       X .         .         .       W .       C .         .       E .         .         .         .
   511. .         .         .       X .         .       W .       C .         .       E .         .         .         .
   513. .         .         .         .       X .       W .       C .         .       E .         .         .         .
   515. .         .         .         .         .         X .     C .         .       E .         .         .         .
   517. .         .         .         .         .         .       .       X . .       E .         .         .         .
   519. .         .         .         .         .         .         .         .     X E .         .         .         .
   521. .         .         .         .         .         .         .         .       .XE         .         .         .
   523. .         .         .         .         .         .         .         .         .         .       X .         .
   525. .         .         .         .         .         .         .         .         .         .         .       X .
 5 527. .         .         .         .         .         .         .         .         .         .         .X    BANK.

NRD=       0 ELLC=  9999999.00 ELTRD=  9999999.00

  EL(I),STA(I)
    1368.10      473.20     1358.71      492.00     1358.71      508.00     1368.10      526.80
```

CROSS SECTION 866.07
STREAM Q=100 YEAR
DISCHARGE= 1656.

PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

```
ELEV 1358.     1359.     1360.     1361.     1362.     1363.     1364.     1365.     1366.     1367.     1368.

    STA-FEET

 5 473. .                                                                                                X     .     BANK.
   475. .                                                                                          X           .         .
   477. .                                                                                                XE    .         .
   479. .                                                                                  X             E     .         .
   481. .                                                                          X W                   E     .         .
   483. .                                                                  X       W                     E     .         .
   485. .                                                          X               W                     E     .         .
   487. .                                                  X                       W                     E     .         .
   489. .                                          X                               W                     E     .         .
 6 491. . X                                                                        W                     E     .         .
   493. . X                                                                        W                     E     .         .
   495. . X                                                                        W                     E     .         .
   497. . X                                                                        W                     E     .         .
   499. . X                                                                        W                     E     .         .
   501. . X                                                                        W                     E     .         .
   503. . X                                                                        W                     E     .         .
   505. . X                                                                        W                     E     .         .
 7 507. . X                                                                        W                     E     .         .
   509. .                 X                                                        W                     E     .         .
   511. .                         X                                                W                     E     .         .
   513. .                                 X                                        W                     E     .         .
   515. .                                         X                                W                     E     .         .
   517. .                                                 X                        W                     E     .         .
   519. .                                                                  X                            E     .         .
   521. .                                                                                  X            E     .         .
   523. .                                                                                               E     .         .
   525. .                                                                                                     .         .
 8 527. .                                                                                                     .         .
```

NRD= 0 ELLC= 9999999.00 ELTRD= 9999999.00

EL(I),STA(I)									
1368.20	375.00	1367.50	473.40	1367.50	473.40	1367.50	473.40	1358.20	492.00
1358.20	508.00	1367.50	526.60	1367.50	526.60	1367.50	526.60	1370.00	1027.00

```
CROSS SECTION    865.57
STREAM   Q=100 YEAR
DISCHARGE=     1656.


PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

ELEV 1358.     1359.     1360.     1361.     1362.     1363.     1364.     1365.     1366.     1367.     1368.


    STA-FEET

8560 XSEC POINT-T      EL,ST-   1372.02    489.50
 7 490. XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXB         .         .      E  .         .         .
   492. X         .         .         .         .         .       W B         .         .      E  .         .         .
   494. X         .         .         .         .         .       W B         .         .      E  .         .         .
   496. X         .         .         .         .         .       W B         .         .      E  .         .         .
   498. X         .         .         .         .         .       W B         .         .      E  .         .         .
   500. X         .         .         .         .         .       W B         .         .      E  .         .         .
   502. X         .         .         .         .         .       W B         .         .      E  .         .         .
   504. X         .         .         .         .         .       W B         .         .      E  .         .         .
   506. X         .         .         .         .         .       W B         .         .      E  .         .         .
   508. X         .         .         .         .         .       W B         .         .      E  .         .         .
8560 XSEC POINT-T      EL,ST-   1371.72    510.50
 9 510. XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXB         .         .      E  .         .         .

NRD=       9 ELLC=     1364.00 ELTRD=      1368.23

   463.00   1364.00   1372.40    482.50   1364.00   1372.02    489.50   1364.00   1372.02
   510.50   1364.00   1371.72    517.50   1364.00   1371.62   1000.00   1364.00   1368.23
  1057.10   1364.00   1370.00
  EL(I),STA(I)
    1372.40      463.00      1367.50      482.50      1367.50      482.50      1367.50      482.50      1364.00      489.50
    1358.00      489.50      1358.00      510.50      1364.00      510.50      1367.50      517.50      1367.50      517.50
    1367.50      517.50      1369.72     1000.00      1370.00     1057.00
```

```
CROSS SECTION    864.21
STREAM   Q=100 YEAR
DISCHARGE=      1656.


PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

ELEV 1357.     1358.     1359.     1360.     1361.     1362.     1363.     1364.     1365.     1366.     1367.


    STA-FEET

3 490. . XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX  .     BANK.
  492. . X        .         .         .         .         . W     C.        .         .        E         .         .
  494. . X        .         .         .         .         . W     C.        .         .        E         .         .
  496. . X        .         .         .         .         . W     C.        .         .        E         .         .
  498. . X        .         .         .         .         . W     C.        .         .        E         .         .
  500. . X        .         .         .         .         . W     C.        .         .        E         .         .
  502. . X        .         .         .         .         . W     C.        .         .        E         .         .
  504. . X        .         .         .         .         . W     C.        .         .        E         .         .
  506. . X        .         .         .         .         . W     C.        .         .        E         .         .
  508. . X        .         .         .         .         . W     C.        .         .        E         .         .
5 510. . XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX  .     BANK.

NRD=        0 ELLC=   9999999.00 ELTRD=   9999999.00

  EL(I),STA(I)
   1366.70       489.50      1357.17       489.50      1357.17       510.50      1366.70       510.50
```

CROSS SECTION 863.91
STREAM Q=100 YEAR
DISCHARGE= 1656.

PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

```
ELEV 1357.     1358.     1359.     1360.     1361.     1362.     1363.     1364.     1365.     1366.     1367.

   STA-FEET

 2 475. .        .         .         .         .         .         .         .         .         .         .         X         .         BANK.
   477. .        .         .         .         .         .         .         .         .         .         X   E     .         .         .
   479. .        .         .         .         .         .         .         .         .         X         E     .         .         .
   481. .        .         .         .         .         .         .         X         .         .         E     .         .         .
   483. .        .         .         .         .         X         C         .         .         .         E     .         .         .
   485. .        .         .         .         X.        W         C         .         .         .         E     .         .         .
   487. .        .         .         X         .         W         C         .         .         .         E     .         .         .
   489. .        .         X         .         .         W         C         .         .         .         E     .         .         .
 3 491. X        .         .         .         .         W         C         .         .         .         E     .         .         .
   493. X        .         .         .         .         W         C         .         .         .         E     .         .         .
   495. X        .         .         .         .         W         C         .         .         .         E     .         .         .
   497. X        .         .         .         .         W         C         .         .         .         E     .         .         .
   499. X        .         .         .         .         W         C         .         .         .         E     .         .         .
   501. X        .         .         .         .         W         C         .         .         .         E     .         .         .
   503. X        .         .         .         .         W         C         .         .         .         E     .         .         .
 4 505. X        .         .         .         .         W         C         .         .         .         E     .         .         .
   507. .        X         .         .         .         W         C         .         .         .         E     .         .         .
   509. .        .         X         .         .         W         C         .         .         .         E     .         .         .
   511. .        .         .         X         .         W         C         .         .         .         E     .         .         .
   513. .        .         .         .         X         W         C         .         .         .         E     .         .         .
   515. .        .         .         .         .         .         C         .         .         .         E     .         .         .
   517. .        .         .         .         .         X         C         .         .         .         E     .         .         .
   519. .        .         .         .         .         .         .         X         .         .         E     .         .         .
   521. .        .         .         .         .         .         .         .         X         .         E     .         .         .
   523. .        .         .         .         .         .         .         .         .         X         E     .         .         .
 5 525. .        .         .         .         .         .         .         .         .         .         .         X         .         .
                                                                                                                                X         .         BANK.
```

NRD= 0 ELLC= 9999999.00 ELTRD= 9999999.00

EL(I),STA(I)

1366.50	475.00	1357.01	492.00	1357.01	506.00	1366.50	525.00

THIS RUN EXECUTED 08/16/88 20:37:23

```
**************************************************
  HEC2 RELEASE DATED NOV 76 UPDATED MAY  1984
  ERROR CORR -  01,02,03,04,05,06
  MODIFICATION -  50,51,52,53,54,55,56
  IBM-PC-XT VERSION
**************************************************
```

NOTE- ASTERISK (*) AT LEFT OF CROSS-SECTION NUMBER INDICATES MESSAGE IN SUMMARY OF ERRORS LIST

Q=100 YEAR

SUMMARY PRINTOUT TABLE 150

	SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRIWS	EG	10K*S	VCH	AREA	.01K
*	878.390	.00	.00	.00	1364.76	1424.00	1369.79	1369.79	1371.63	26.80	10.88	130.83	275.05
	873.000	539.00	.00	.00	1361.64	1424.00	1365.52	1366.66	1369.22	71.31	15.44	92.24	168.62
	872.470	53.00	.00	.00	1361.53	1424.00	1365.83	1366.56	1368.65	48.62	13.48	105.66	204.23
	872.370	10.00	.00	.00	1361.51	1424.00	1365.20	1366.19	1368.54	63.07	14.67	97.05	179.31
	872.020	60.00	.00	.00	1361.45	1322.00	1365.08	1365.92	1368.07	57.42	13.89	95.20	174.46
	871.970	5.00	1369.70	1366.44	1361.44	1322.00	1365.14	1365.91	1368.01	54.16	13.61	97.14	179.63
*	871.930	4.00	.00	.00	1361.43	1322.00	1365.16	1365.91	1367.97	52.56	13.47	98.15	182.35
	871.830	10.00	.00	.00	1361.41	1322.00	1365.24	1365.88	1367.86	47.35	12.98	101.81	192.12
*	871.730	10.00	.00	.00	1361.39	1322.00	1366.21	1366.21	1367.99	27.12	10.70	123.53	253.85
	871.400	33.00	.00	.00	1361.30	1322.00	1366.07	1366.13	1367.89	28.03	10.83	122.09	249.70
	867.790	361.00	.00	.00	1359.20	1322.00	1363.06	1364.03	1366.30	62.70	14.44	91.53	166.95
	867.780	1.00	.00	.00	1359.20	1322.00	1363.05	1364.02	1366.29	62.57	14.44	91.56	167.13
	867.020	77.00	.00	.00	1358.71	1322.00	1362.57	1363.53	1365.81	62.67	14.44	91.52	166.99
	867.010	1.00	.00	.00	1358.71	1322.00	1362.57	1363.53	1365.80	62.33	14.41	91.74	167.45
*	866.070	94.00	.00	.00	1358.20	1656.00	1363.67	1363.67	1365.63	26.05	11.23	147.52	324.47
*	865.570	50.00	1368.23	1364.00	1358.00	1656.00	1363.81	1363.81	1366.67	36.82	13.58	121.96	272.91
*	864.210	142.00	.00	.00	1357.17	1656.00	1362.29	1362.93	1365.97	52.72	15.38	107.66	228.07

SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRIWS	EG	10K*S	VCH	AREA	.01K
863.910	30.00	.00	.00	1357.01	1656.00	1361.46	1362.81	1365.72	72.94	16.57	99.93	193.89

Q=100 YEAR

SUMMARY PRINTOUT TABLE 150

	SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
*	878.390	1424.00	1369.79	.00	.00	-2.71	36.03	.00
	873.000	1424.00	1365.52	.00	-4.27	.00	31.58	539.00
	872.470	1424.00	1365.83	.00	.31	.00	33.16	53.00
	872.370	1424.00	1365.20	.00	-.63	.00	32.59	10.00
	872.020	1322.00	1365.08	.00	-.12	.00	32.37	60.00
	871.970	1322.00	1365.14	.00	.06	.00	32.56	5.00
*	871.930	1322.00	1365.16	.00	.02	.00	32.66	4.00
	871.830	1322.00	1365.24	.00	.09	.00	33.07	10.00
*	871.730	1322.00	1366.21	.00	.97	.00	35.26	10.00
	871.400	1322.00	1366.07	.00	-.14	.00	35.11	33.00
	867.790	1322.00	1363.06	.00	-3.01	.00	31.44	361.00
	867.780	1322.00	1363.05	.00	.00	.00	31.41	1.00
	867.020	1322.00	1362.57	.00	-.49	.00	31.42	77.00
	867.010	1322.00	1362.57	.00	.00	.00	31.47	1.00
*	866.070	1656.00	1363.67	.00	1.10	.00	37.90	94.00
*	865.570	1656.00	1363.81	.00	.13	.00	21.00	50.00
*	864.210	1656.00	1362.29	.00	-1.51	.00	21.00	142.00
	863.910	1656.00	1361.46	.00	-.83	.00	30.89	30.00

SUMMARY OF ERRORS AND SPECIAL NOTES

```
CAUTION  SECNO=   878.390  PROFILE= 1  CRITICAL DEPTH ASSUMED

CAUTION  SECNO=   871.930  PROFILE= 1  MINIMUM SPECIFIC ENERGY

CAUTION  SECNO=   871.730  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   871.730  PROFILE= 1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   871.730  PROFILE= 1  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION  SECNO=   866.070  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   866.070  PROFILE= 1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   866.070  PROFILE= 1  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION  SECNO=   865.570  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   865.570  PROFILE= 1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   865.570  PROFILE= 1  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION  SECNO=   864.210  PROFILE= 1  BRIDGE DROWNS U.S. PROFILE
                                      NEW BACKWATER REQUIRED
```

User: DEN104 -at

<OPS183>PROJ>PJ6114>DATA>HEC2>S72ND50.OUT

```
*****************************************************************************************************
*****************************************************************************************************


WWWW  WWWWW W   W   W    WWW  W
W   W W     WW  W  WW   W   W W  W
W   W W     W W W   W   W   W W  W
W   W WWWW  W W W   W   W W W WWWWW
W   W W     W W W   W   W   W    W
W   W W     W  WW   W   W   W    W
WWWW  WWWWW W   W  WWW   WWW     W



 WWW  WWWWW  WWW  W   W WWWW  WWWWW  WWW         WWW  W   W WWWWW
W   W     W W   W WW  W W   W W     W   W       W   W W   W   W
W        W      W W W W W   W WWWW  W   W       W   W W   W   W
 WWW    W      W  W W W W   W     W W W W       W   W W   W   W
    W  W      W   W W W W   W     W W   W       W   W W   W   W
W   W W      W    W  WW W   W W   W W   W   WW  W   W W   W   W
 WWW  W     WWWWW W   W WWWW   WWW   WWW    WW   WWW   WWW    W

*****************************************************************************************************
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```

[Spooler rev 20.0.6HB (c) Prime Computer, Inc., 1986]

Label: PRT125 -form DENPRT

Pathname: <OPS183>PROJ>PJ6114>DATA>HEC2>S72ND50.OUT
File last modified: 88-08-18.07:48:28.Thu

Spooled: 88-09-13.12:23:04.Tue
Started: 88-09-13.12:34:00.Tue on: AMLC by: DENPRT

THIS RUN EXECUTED 08/17/88 19:23:21

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**************************************************
  HEC2 RELEASE DATED NOV 76 UPDATED MAY  1984
  ERROR CORR -  01,02,03,04,05,06
  MODIFICATION -  50,51,52,53,54,55,56
  IBM-PC-XT VERSION
**************************************************

C
T1       SUPERCRITICAL RUN FROM THE GRADE BREAK BELOW POND 3 TO THE
T2       GRADE BREAK ABOVE POND 2 (SECTION INCLUDES 72nd ST. CBC).
T3       Q=50 YEAR

J1  ICHECK    INQ       NINV      IDIR      STRT      METRIC    HVINS     Q         WSEL      FQ

      0.        2.        0.        1. -1.000000       .00        .0        0.  1377.000      .000

J2  NPROF     IPLOT     PRFVS     XSECV     XSECH     FN        ALLDC     IBW       CHNIM     ITRACE

    -1.000      .000    -1.000      .000      .000      .000      .000      .000      .000      .000

J3  VARIABLE CODES FOR SUMMARY PRINTOUT

   150.000      .000      .000      .000      .000      .000      .000      .000      .000      .000

J5  LPRNT    NUMSEC                    ********REQUESTED SECTION NUMBERS********

   -10.000   -10.000      .000      .000      .000      .000      .000      .000      .000      .000

NC       .035       .035       .016       .100       .300       .000       .000       .000       .000       .000
QT      1.000   1558.000       .000       .000       .000       .000       .000       .000       .000       .000
          SLOPE BREAK BELOW DIVERSION STRUCTURE FOR POND 3 (Q=DET3)
X1    889.450      4.000     75.000    125.000    393.000    393.000    393.000       .000       .000       .000
GR   1382.700     75.000   1373.220     94.000   1373.220    106.000   1382.700    125.000       .000       .000

          UPSTREAM END OF TRANSITION SECTION ABOVE 72nd BOX
X1    885.370      4.000    475.000    525.000     26.000     26.000     26.000       .000       .000       .000
GR   1380.700    475.000   1371.020    494.000   1371.020    506.000   1380.700    525.000       .000       .000

          UPSTREAM END OF 72nd STREET BOX CULVERT
X1    885.110      4.000    487.500    512.500    138.000    138.000    138.000       .000       .000       .000
X2       .000       .000      1.000   1378.890   1379.890       .000       .000       .000       .000       .000
BT      4.000    475.000   1379.890   1378.890    487.500   1379.890   1378.890    512.500   1379.890   1378.890
BT    525.000   1379.890   1378.890       .000       .000       .000       .000       .000       .000       .000
GR   1380.400    487.500   1370.890    487.500   1370.890    512.500   1380.400    512.500       .000       .000

SB      1.250      1.560      2.560       .000     25.000      1.000    192.000       .000   1370.890   1369.980
          DOWNSTREAM END OF THE 72nd STREET BOX CULVERT.
X1    883.730      4.000    487.500    512.500     25.000     25.000     25.000       .000       .000       .000
GR   1379.500    487.500   1369.980    487.500   1369.980    512.500   1379.500    512.500       .000       .000
```

DOWNSTREAM END OF TRANSITION SECTION FOR 72nd BOX

X1	883.480	4.000	473.000	527.000	48.000	48.000	48.000	.000	.000	.000
GR	1379.200	473.000	1369.800	492.000	1369.800	508.000	1379.200	527.000	.000	.000

SLOPE BREAK BELOW TRANSITION FOR 72nd BOX

X1	883.000	4.000	73.000	127.000	301.000	301.000	301.000	.000	.000	.000
GR	1379.000	73.000	1369.540	92.000	1369.540	108.000	1379.000	127.000	.000	.000

UPSTREAM END OF TRANSITION SECTION ABOVE POND 2

X1	879.990	4.000	73.000	127.000	10.000	10.000	10.000	.000	.000	.000
GR	1374.600	73.000	1365.080	92.000	1365.080	108.000	1374.600	127.000	.000	.000
EJ	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

THIS RUN EXECUTED 08/17/88 19:23:29

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**************************************************
  HEC2 RELEASE DATED NOV 76 UPDATED MAY  1984
  ERROR CORR -  01,02,03,04,05,06
  MODIFICATION -  50,51,52,53,54,55,56
  IBM-PC-XT VERSION
**************************************************
```

NOTE- ASTERISK (*) AT LEFT OF CROSS-SECTION NUMBER INDICATES MESSAGE IN SUMMARY OF ERRORS LIST

Q=50 YEAR

SUMMARY PRINTOUT TABLE 150

	SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRIWS	EG	10K*S	VCH	AREA	.01K
*	889.450	.00	.00	.00	1373.22	1558.00	1379.04	1379.04	1381.03	26.65	11.30	137.84	301.78
	885.370	393.00	.00	.00	1371.02	1558.00	1375.83	1376.88	1379.38	58.48	15.12	103.05	203.73
	885.110	26.00	1379.89	1378.89	1370.89	1558.00	1374.51	1375.82	1379.09	86.11	17.17	90.73	167.90
	883.730	138.00	.00	.00	1369.98	1558.00	1373.86	1374.91	1377.85	69.69	16.01	97.30	186.62
	883.480	25.00	.00	.00	1369.80	1558.00	1374.01	1375.08	1377.55	62.55	15.10	103.15	196.99
	883.000	48.00	.00	.00	1369.54	1558.00	1373.82	1374.82	1377.21	58.64	14.77	105.47	203.46
	879.990	301.00	.00	.00	1365.08	1558.00	1368.56	1370.36	1374.46	127.29	19.48	79.98	138.09

Q=50 YEAR

SUMMARY PRINTOUT TABLE 150

	SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
*	889.450	1558.00	1379.04	.00	.00	2.04	35.34	.00
	885.370	1558.00	1375.83	.00	-3.22	.00	30.87	393.00
	885.110	1558.00	1374.51	.00	-1.32	.00	25.00	26.00
	883.730	1558.00	1373.86	.00	-.65	.00	25.00	138.00
	883.480	1558.00	1374.01	.00	.14	.00	33.01	25.00
	883.000	1558.00	1373.82	.00	-.18	.00	33.22	48.00
	879.990	1558.00	1368.56	.00	-5.26	.00	29.91	301.00

SUMMARY OF ERRORS AND SPECIAL NOTES

CAUTION SECNO= 889.450 PROFILE= 1 CRITICAL DEPTH ASSUMED

THIS RUN EXECUTED 08/17/88 19:23:31

```
**************************************************
  HEC2 RELEASE DATED NOV 76 UPDATED MAY  1984
  ERROR CORR -  01,02,03,04,05,06
  MODIFICATION -  50,51,52,53,54,55,56
  IBM-PC-XT VERSION
**************************************************
```

User: DEN104 -at

<OPS183>PROJ>PJ6114>DATA>HEC2>S72ND100.OUT

```
*****************************************************************************************************
*****************************************************************************************************

WWWW  WWWWW W   W   W    WWW  W
W   W W     WW  W  WW   W   W W  W
W   W W     W W W   W   W   W W  W
W   W WWWW  W W W   W   W W W WWWWW
W   W W     W W W   W   W   W    W
W   W W     W  WW   W   W   W    W
WWWW  WWWWW W   W  WWW   WWW     W


 WWW  WWWWW  WWW  W   W WWWW    W    WWW   WWW        WWW  W   W WWWWW
W   W     W W   W WW  W W   W  WW   W   W W   W       W   W W   W   W
W        W      W W W W W   W   W   W   W W   W       W   W W   W   W
 WWW    W      W  W W W W   W   W   W W W W W W       W   W W   W   W
    W  W      W   W W W W   W   W   W   W W   W       W   W W   W   W
W   W W      W    W  WW W   W   W   W   W W   W   WW  W   W W   W   W
 WWW  W     WWWWW W   W WWWW   WWW   WWW   WWW    WW   WWW   WWW    W

*****************************************************************************************************
*****************************************************************************************************
```

[Spooler rev 20.0.6HB (c) Prime Computer, Inc., 1986]

Label: PRT124 -form DENPRT

Pathname: <OPS183>PROJ>PJ6114>DATA>HEC2>S72ND100.OUT
File last modified: 88-08-18.07:53:36.Thu

Spooled: 88-09-13.12:21:48.Tue
Started: 88-09-13.12:32:00.Tue on: AMLC by: DENPRT

THIS RUN EXECUTED 08/17/88 19:22:37

```
**************************************************
  HEC2 RELEASE DATED NOV 76 UPDATED MAY  1984
  ERROR CORR -  01,02,03,04,05,06
  MODIFICATION -  50,51,52,53,54,55,56
  IBM-PC-XT VERSION
**************************************************

C
T1       SUPERCRITICAL RUN FROM THE GRADE BREAK BELOW POND 3 TO THE
T2       GRADE BREAK ABOVE POND 2 (SECTION INCLUDES 72nd ST. CBC).
T3       Q=100 YEAR

J1  ICHECK    INQ       NINV      IDIR      STRT      METRIC    HVINS     Q         WSEL      FQ

      0.        2.        0.        1. -1.000000      .00       .0        0.  1377.000      .000

J2  NPROF     IPLOT     PRFVS     XSECV     XSECH     FN        ALLDC     IBW       CHNIM     ITRACE

    -1.000     1.000    -1.000     1.000     2.000     .000      .000      .000      .000      .000

J3  VARIABLE CODES FOR SUMMARY PRINTOUT

   150.000      .000      .000      .000      .000      .000      .000      .000      .000      .000

J5  LPRNT    NUMSEC                    ********REQUESTED SECTION NUMBERS********

   -10.000   -10.000      .000      .000      .000      .000      .000      .000      .000      .000

NC      .035      .035      .016      .100      .300      .000      .000      .000      .000      .000
QT     1.000  1643.000      .000      .000      .000      .000      .000      .000      .000      .000
          SLOPE BREAK BELOW DIVERSION STRUCTURE FOR POND 3 (Q=DET3)
X1   889.450     4.000    75.000   125.000   393.000   393.000   393.000      .000      .000      .000
GR  1382.700    75.000  1373.220    94.000  1373.220   106.000  1382.700   125.000      .000      .000

          UPSTREAM END OF TRANSITION SECTION ABOVE 72nd BOX
X1   885.370     4.000   475.000   525.000    26.000    26.000    26.000      .000      .000      .000
GR  1380.700   475.000  1371.020   494.000  1371.020   506.000  1380.700   525.000      .000      .000

          UPSTREAM END OF 72nd STREET BOX CULVERT
X1   885.110     4.000   487.500   512.500   138.000   138.000   138.000      .000      .000      .000
X2      .000      .000     1.000  1378.890  1379.890      .000      .000      .000      .000      .000
BT     4.000   475.000  1379.890  1378.890   487.500  1379.890  1378.890   512.500  1379.890  1378.890
BT   525.000  1379.890  1378.890      .000      .000      .000      .000      .000      .000      .000
GR  1380.400   487.500  1370.890   487.500  1370.890   512.500  1380.400   512.500      .000      .000

SB     1.250     1.560     2.560      .000    25.000     1.000   192.000      .000  1370.890  1369.980
          DOWNSTREAM END OF THE 72nd STREET BOX CULVERT.
X1   883.730     4.000   487.500   512.500    25.000    25.000    25.000      .000      .000      .000
GR  1379.500   487.500  1369.980   487.500  1369.980   512.500  1379.500   512.500      .000      .000
```

```
          DOWNSTREAM END OF TRANSITION SECTION FOR 72nd BOX
X1     883.480      4.000    473.000    527.000     48.000     48.000     48.000       .000       .000       .000
GR    1379.200    473.000   1369.800    492.000   1369.800    508.000   1379.200    527.000       .000       .000

          SLOPE BREAK BELOW TRANSITION FOR 72nd BOX
X1     883.000      4.000     73.000    127.000    301.000    301.000    301.000       .000       .000       .000
GR    1379.000     73.000   1369.540     92.000   1369.540    108.000   1379.000    127.000       .000       .000

          GRADE BREAK UPSTREAM FROM POND 2 DIVERSION STRUCTURE
X1     879.990      4.000     73.000    127.000     10.000     10.000     10.000       .000       .000       .000
GR    1374.600     73.000   1365.080     92.000   1365.080    108.000   1374.600    127.000       .000       .000

          UPSTREAM END OF TRANSITION SECTION ABOVE POND 2
X1     879.840      4.000    471.900    528.500     10.000     10.000     10.000       .000       .000       .000
GR    1375.100    471.900   1365.050    492.000   1365.050    508.000   1375.300    528.500       .000       .000
EJ        .000       .000       .000       .000       .000       .000       .000       .000       .000       .000
```

```
CROSS SECTION    889.45
STREAM   Q=100 YEAR
DISCHARGE=     1643.

PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

ELEV 1373.     1374.     1375.     1376.     1377.     1378.     1379.     1380.     1381.     1382.     1383.

    STA-FEET

 2  75. .         .         .         .         .         .         .         .         .         .         X .     BANK.
    77. .         .         .         .         .         .         .         .         .         X .         .         .
    79. .         .         .         .         .         .         .         .         X . E       .         .         .
    81. .         .         .         .         .         .         .         X .         . E       .         .         .
    83. .         .         .         .         .         .         X . W       .         . E       .         .         .
    85. .         .         .         .         .         X .         . W       .         . E       .         .         .
    87. .         .         .         .         X .         .         . W       .         . E       .         .         .
    89. .         .         .         X .         .         .         . W       .         . E       .         .         .
    91. .         .         X .         .         .         .         . W       .         . E       .         .         .
 3  93. . X       .         .         .         .         .         . W       .         . E       .         .         .
    95. . X       .         .         .         .         .         . W       .         . E       .         .         .
    97. . X       .         .         .         .         .         . W       .         . E       .         .         .
    99. . X       .         .         .         .         .         . W       .         . E       .         .         .
   101. . X       .         .         .         .         .         . W       .         . E       .         .         .
   103. . X       .         .         .         .         .         . W       .         . E       .         .         .
 4 105. . X       .         .         .         .         .         . W       .         . E       .         .         .
   107. .         . X       .         .         .         .         . W       .         . E       .         .         .
   109. .         .         . X       .         .         .         . W       .         . E       .         .         .
   111. .         .         .         . X       .         .         . W       .         . E       .         .         .
   113. .         .         .         .         . X       .         . W       .         . E       .         .         .
   115. .         .         .         .         .         . X       . W       .         . E       .         .         .
   117. .         .         .         .         .         .         . X       .         . E       .         .         .
   119. .         .         .         .         .         .         .         . X       . E       .         .         .
   121. .         .         .         .         .         .         .         .         . X       .         .         .
   123. .         .         .         .         .         .         .         .         .         . X       .         .
 5 125. .         .         .         .         .         .         .         .         .         .         X .     BANK.

NRD=       0 ELLC=  9999999.00 ELTRD=  9999999.00

  EL(I),STA(I)
    1382.70       75.00     1373.22       94.00     1373.22      106.00     1382.70      125.00
```

```
CROSS SECTION    885.37
STREAM   Q=100 YEAR
DISCHARGE=     1643.

PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

ELEV 1371.     1372.     1373.     1374.     1375.     1376.     1377.     1378.     1379.     1380.     1381.

   STA-FEET

 2 475. .         .         .         .         .                                   .         .         .     X   .     BANK.
   477. .         .         .         .         .                                   .         .     X   .         .         .
   479. .         .         .         .         .                                   .     X   .     E   .         .         .
   481. .         .         .         .         .                             X     .         .     E   .         .         .
   483. .         .         .         .         .                       X   C     .         .     E   .         .         .
   485. .         .         .         .         .             X   W         C     .         .     E   .         .         .
   487. .         .         .         .     X   .             W         C     .         .     E   .         .         .
   489. .         .         .     X   .         .             W         C     .         .     E   .         .         .
   491. .         .     X   .         .         .             W         C     .         .     E   .         .         .
 3 493. X         .         .         .         .             W         C     .         .     E   .         .         .
   495. X         .         .         .         .             W         C     .         .     E   .         .         .
   497. X         .         .         .         .             W         C     .         .     E   .         .         .
   499. X         .         .         .         .             W         C     .         .     E   .         .         .
   501. X         .         .         .         .             W         C     .         .     E   .         .         .
   503. X         .         .         .         .             W         C     .         .     E   .         .         .
 4 505. X         .         .         .         .             W         C     .         .     E   .         .         .
   507. .         X         .         .         .             W         C     .         .     E   .         .         .
   509. .         .         .X        .         .             W         C     .         .     E   .         .         .
   511. .         .         .         .X        .             W         C     .         .     E   .         .         .
   513. .         .         .         .         .X            W         C     .         .     E   .         .         .
   515. .         .         .         .         .              X        C     .         .     E   .         .         .
   517. .         .         .         .         .                       X     .         .     E   .         .         .
   519. .         .         .         .         .                             .     X   .     E   .         .         .
   521. .         .         .         .         .                             .         .   X E   .         .         .
   523. .         .         .         .         .                             .         .         .   X     .         .
 5 525. .         .         .         .         .                             .         .         .     X   .     BANK.

NRD=       0 ELLC=  9999999.00 ELTRD=  9999999.00

  EL(I),STA(I)
    1380.70      475.00     1371.02      494.00     1371.02      506.00     1380.70      525.00
```

```
CROSS SECTION    885.11
STREAM   Q=100 YEAR
DISCHARGE=     1643.

PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

ELEV 1370.     1371.     1372.     1373.     1374.     1375.     1376.     1377.     1378.     1379.     1380.

    STA-FEET

 3 488. .          XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXBXXXXXXXXXTXXXXX BANK.
   490. .          X.          .         .         .      W  .         C         .         .         B.  E     T.          .
   492. .          X.          .         .         .      W  .         C         .         .         B.  E     T.          .
   494. .          X.          .         .         .      W  .         C         .         .         B.  E     T.          .
   496. .          X.          .         .         .      W  .         C         .         .         B.  E     T.          .
   498. .          X.          .         .         .      W  .         C         .         .         B.  E     T.          .
   500. .          X.          .         .         .      W  .         C         .         .         B.  E     T.          .
   502. .          X.          .         .         .      W  .         C         .         .         B.  E     T.          .
   504. .          X.          .         .         .      W  .         C         .         .         B.  E     T.          .
   506. .          X.          .         .         .      W  .         C         .         .         B.  E     T.          .
   508. .          X.          .         .         .      W  .         C         .         .         B.  E     T.          .
   510. .          X.          .         .         .      W  .         C         .         .         B.  E     T.          .
 5 512. .          XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX XXXXXXXXX XXXXX BANK.

NRD=       6 ELLC=      1378.89 ELTRD=      1379.89

   475.00   1378.89   1379.89    487.50   1378.89   1379.89    512.50   1378.89   1379.89
   525.00   1378.89   1379.89
  EL(I),STA(I)
    1380.40      487.50     1370.89      487.50     1370.89      512.50     1380.40      512.50
```

```
CROSS SECTION    883.73
STREAM   Q=100 YEAR
DISCHARGE=     1643.


PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

ELEV 1369.     1370.     1371.     1372.     1373.     1374.     1375.     1376.     1377.     1378.     1379.


    STA-FEET

 3 488. .        XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXBANK.
   490. .        X         .         .         .         W         .C        .         .         .E        .         .
   492. .        X         .         .         .         W         .C        .         .         .E        .         .
   494. .        X         .         .         .         W         .C        .         .         .E        .         .
   496. .        X         .         .         .         W         .C        .         .         .E        .         .
   498. .        X         .         .         .         W         .C        .         .         .E        .         .
   500. .        X         .         .         .         W         .C        .         .         .E        .         .
   502. .        X         .         .         .         W         .C        .         .         .E        .         .
   504. .        X         .         .         .         W         .C        .         .         .E        .         .
   506. .        X         .         .         .         W         .C        .         .         .E        .         .
   508. .        X         .         .         .         W         .C        .         .         .E        .         .
   510. .        X         .         .         .         W         .C        .         .         .E        .         .
 5 512. .        XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXBANK.

NRD=        0 ELLC=  9999999.00 ELTRD=  9999999.00

  EL(I),STA(I)
    1379.50      487.50     1369.98      487.50     1369.98      512.50     1379.50      512.50
```

```
CROSS SECTION    883.48
STREAM   Q=100 YEAR
DISCHARGE=     1643.

PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

ELEV 1369.     1370.     1371.     1372.     1373.     1374.     1375.     1376.     1377.     1378.     1379.

    STA-FEET

 2 473. .         .         .         .         .         .         .         .         .         .         . X   BANK.
   475. .         .         .         .         .         .         .         .         .         . X       .         .
   477. .         .         .         .         .         .         .         .         . X     E.         .         .
   479. .         .         .         .         .         .         .         . X       .       E.         .         .
   481. .         .         .         .         .         .         . X       .         .       E.         .         .
   483. .         .         .         .         .         . X       . C       .         .       E.         .         .
   485. .         .         .         .         . X     .W         . C       .         .       E.         .         .
   487. .         .         .         . X       .         .W         . C       .         .       E.         .         .
   489. .         .         . X       .         .         .W         . C       .         .       E.         .         .
 3 491. .       X .         .         .         .         .W         . C       .         .       E.         .         .
   493. .       X .         .         .         .         .W         . C       .         .       E.         .         .
   495. .       X .         .         .         .         .W         . C       .         .       E.         .         .
   497. .       X .         .         .         .         .W         . C       .         .       E.         .         .
   499. .       X .         .         .         .         .W         . C       .         .       E.         .         .
   501. .       X .         .         .         .         .W         . C       .         .       E.         .         .
   503. .       X .         .         .         .         .W         . C       .         .       E.         .         .
   505. .       X .         .         .         .         .W         . C       .         .       E.         .         .
 4 507. .       X .         .         .         .         .W         . C       .         .       E.         .         .
   509. .         .       X .         .         .         .W         . C       .         .       E.         .         .
   511. .         .         .       X .         .         .W         . C       .         .       E.         .         .
   513. .         .         .         .       X .         .W         . C       .         .       E.         .         .
   515. .         .         .         .         .       X .W         . C       .         .       E.         .         .
   517. .         .         .         .         .         .       X . C       .         .       E.         .         .
   519. .         .         .         .         .         .         .       X .         .       E.         .         .
   521. .         .         .         .         .         .         .         .       X .       E.         .         .
   523. .         .         .         .         .         .         .         .         .     X E.         .         .
   525. .         .         .         .         .         .         .         .         .         .       X .         .
 5 527. .         .         .         .         .         .         .         .         .         .         . X   BANK.

NRD=       0 ELLC=  9999999.00 ELTRD=  9999999.00

  EL(I),STA(I)
    1379.20      473.00     1369.80      492.00     1369.80      508.00     1379.20      527.00
```

```
CROSS SECTION    883.00
STREAM   Q=100 YEAR
DISCHARGE=     1643.

PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

ELEV 1369.     1370.     1371.     1372.     1373.     1374.     1375.     1376.     1377.     1378.     1379.

    STA-FEET

 2  73. .         .         .         .         .         .                   .         .         .         X     BANK.
    75. .         .         .         .         .         .                   .         .         X         .         .
    77. .         .         .         .         .         .                   .         X    E    .         .         .
    79. .         .         .         .         .         .                   X         .    E    .         .         .
    81. .         .         .         .         .         .         X         .         .    E    .         .         .
    83. .         .         .         .         .         X         C         .         .    E    .         .         .
    85. .         .         .         .         X         W.        C         .         .    E    .         .         .
    87. .         .         .         X         .         W.        C         .         .    E    .         .         .
    89. .         .         X         .         .         W.        C         .         .    E    .         .         .
 3  91. .    X    .         .         .         .         W.        C         .         .    E    .         .         .
    93. .    X    .         .         .         .         W.        C         .         .    E    .         .         .
    95. .    X    .         .         .         .         W.        C         .         .    E    .         .         .
    97. .    X    .         .         .         .         W.        C         .         .    E    .         .         .
    99. .    X    .         .         .         .         W.        C         .         .    E    .         .         .
   101. .    X    .         .         .         .         W.        C         .         .    E    .         .         .
   103. .    X    .         .         .         .         W.        C         .         .    E    .         .         .
   105. .    X    .         .         .         .         W.        C         .         .    E    .         .         .
 4 107. .    X    .         .         .         .         W.        C         .         .    E    .         .         .
   109. .         .    X    .         .         .         W.        C         .         .    E    .         .         .
   111. .         .         .    X    .         .         W.        C         .         .    E    .         .         .
   113. .         .         .         .    X    .         W.        C         .         .    E    .         .         .
   115. .         .         .         .         .    X    W.        C         .         .    E    .         .         .
   117. .         .         .         .         .         .    X    C         .         .    E    .         .         .
   119. .         .         .         .         .         .              X    .         .    E    .         .         .
   121. .         .         .         .         .         .                   .    X    .    E    .         .         .
   123. .         .         .         .         .         .                   .         .    X    .         .         .
   125. .         .         .         .         .         .                   .         .         .    X    .         .
 5 127. .         .         .         .         .         .                   .         .         .         X     BANK.

NRD=       0 ELLC=  9999999.00 ELTRD=  9999999.00

  EL(I),STA(I)
    1379.00       73.00     1369.54       92.00     1369.54      108.00     1379.00      127.00
```

```
CROSS SECTION    879.99
STREAM   Q=100 YEAR
DISCHARGE=     1643.

PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

ELEV 1365.     1366.     1367.     1368.     1369.     1370.     1371.     1372.     1373.     1374.     1375.

    STA-FEET

 2  73. .         .         .         .         .         .         .         .         .         .         XE  .     BANK.
    75. .         .         .         .         .         .         .         .         .         X         E   .         .
    77. .         .         .         .         .         .         .         .         X         .         E   .         .
    79. .         .         .         .         .         .         .         X         .         .         E   .         .
    81. .         .         .         .         .         .         X         .         .         .         E   .         .
    83. .         .         .         .         .         X         C         .         .         .         E   .         .
    85. .         .         .         .         XW        .         C         .         .         .         E   .         .
    87. .         .         .         X         W         .         C         .         .         .         E   .         .
    89. .         .         X         .         W         .         C         .         .         .         E   .         .
 3  91. .X        .         .         .         W         .         C         .         .         .         E   .         .
    93. .X        .         .         .         W         .         C         .         .         .         E   .         .
    95. .X        .         .         .         W         .         C         .         .         .         E   .         .
    97. .X        .         .         .         W         .         C         .         .         .         E   .         .
    99. .X        .         .         .         W         .         C         .         .         .         E   .         .
   101. .X        .         .         .         W         .         C         .         .         .         E   .         .
   103. .X        .         .         .         W         .         C         .         .         .         E   .         .
   105. .X        .         .         .         W         .         C         .         .         .         E   .         .
 4 107. .X        .         .         .         W         .         C         .         .         .         E   .         .
   109. .         .X        .         .         W         .         C         .         .         .         E   .         .
   111. .         .         .X        .         W         .         C         .         .         .         E   .         .
   113. .         .         .         .X        W         .         C         .         .         .         E   .         .
   115. .         .         .         .         .X        .         C         .         .         .         E   .         .
   117. .         .         .         .         .         .X        C         .         .         .         E   .         .
   119. .         .         .         .         .         .         .         .X        .         .         E   .         .
   121. .         .         .         .         .         .         .         .         .X        .         E   .         .
   123. .         .         .         .         .         .         .         .         .         .X        E   .         .
   125. .         .         .         .         .         .         .         .         .         .         .X  E   .         .
 5 127. .         .         .         .         .         .         .         .         .         .         XE  .     BANK.

NRD=       0 ELLC=  9999999.00 ELTRD=  9999999.00

  EL(I),STA(I)
    1374.60       73.00     1365.08       92.00     1365.08      108.00     1374.60      127.00
```

```
CROSS SECTION    879.84
STREAM   Q=100 YEAR
DISCHARGE=     1643.

PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

ELEV 1365.     1366.     1367.     1368.     1369.     1370.     1371.     1372.     1373.     1374.     1375.

    STA-FEET

 2 471. .         .         .         .         .         .         .         .         .         .         .X    BANK.
   473. .         .         .         .         .         .         .         .         .         .X   E    .         .
   475. .         .         .         .         .         .         .         .         .X        .    E    .         .
   477. .         .         .         .         .         .         .         .X        .         .    E    .         .
   479. .         .         .         .         .         .         .X        .         .         .    E    .         .
   481. .         .         .         .         .         .X   C    .         .         .         .    E    .         .
   483. .         .         .         .         .X        .    C    .         .         .         .    E    .         .
   485. .         .         .         .X     W  .         .    C    .         .         .         .    E    .         .
   487. .         .         .X        .      W  .         .    C    .         .         .         .    E    .         .
   489. .         .X        .         .      W  .         .    C    .         .         .         .    E    .         .
 3 491. .X        .         .         .      W  .         .    C    .         .         .         .    E    .         .
   493. .X        .         .         .      W  .         .    C    .         .         .         .    E    .         .
   495. .X        .         .         .      W  .         .    C    .         .         .         .    E    .         .
   497. .X        .         .         .      W  .         .    C    .         .         .         .    E    .         .
   499. .X        .         .         .      W  .         .    C    .         .         .         .    E    .         .
   501. .X        .         .         .      W  .         .    C    .         .         .         .    E    .         .
   503. .X        .         .         .      W  .         .    C    .         .         .         .    E    .         .
   505. .X        .         .         .      W  .         .    C    .         .         .         .    E    .         .
 4 507. .X        .         .         .      W  .         .    C    .         .         .         .    E    .         .
   509. .         .X        .         .      W  .         .    C    .         .         .         .    E    .         .
   511. .         .         .X        .      W  .         .    C    .         .         .         .    E    .         .
   513. .         .         .         .X     W  .         .    C    .         .         .         .    E    .         .
   515. .         .         .         .         .X        .    C    .         .         .         .    E    .         .
   517. .         .         .         .         .         .X   C    .         .         .         .    E    .         .
   519. .         .         .         .         .         .         .X        .         .         .    E    .         .
   521. .         .         .         .         .         .         .         .X        .         .    E    .         .
   523. .         .         .         .         .         .         .         .         .X        .    E    .         .
   525. .         .         .         .         .         .         .         .         .         .X   E    .         .
   527. .         .         .         .         .         .         .         .         .         .         .X        .
 5 529. .         .         .         .         .         .         .         .         .         .         .  X  BANK.

NRD=       0 ELLC=  9999999.00 ELTRD=  9999999.00

  EL(I),STA(I)
    1375.10      471.90     1365.05      492.00     1365.05      508.00     1375.30      528.50
```

THIS RUN EXECUTED 08/17/88 19:23:03

```
*************************************************
  HEC2 RELEASE DATED NOV 76 UPDATED MAY  1984
  ERROR CORR -  01,02,03,04,05,06
  MODIFICATION -  50,51,52,53,54,55,56
  IBM-PC-XT VERSION
*************************************************
```

NOTE- ASTERISK (*) AT LEFT OF CROSS-SECTION NUMBER INDICATES MESSAGE IN SUMMARY OF ERRORS LIST

Q=100 YEAR

SUMMARY PRINTOUT TABLE 150

	SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRIWS	EG	10K*S	VCH	AREA	.01K
*	889.450	.00	.00	.00	1373.22	1643.00	1379.21	1379.21	1381.24	26.48	11.44	143.67	319.27
	885.370	393.00	.00	.00	1371.02	1643.00	1375.97	1377.05	1379.60	57.87	15.28	107.53	215.98
	885.110	26.00	1379.89	1378.89	1370.89	1643.00	1374.70	1376.01	1379.32	82.60	17.25	95.27	180.78
	883.730	138.00	.00	.00	1369.98	1643.00	1374.02	1375.08	1378.12	69.10	16.26	101.07	197.65
	883.480	25.00	.00	.00	1369.80	1643.00	1374.08	1375.23	1377.86	65.65	15.60	105.31	202.78
	883.000	48.00	.00	.00	1369.54	1643.00	1373.90	1374.97	1377.50	61.09	15.22	107.96	210.21
	879.990	301.00	.00	.00	1365.08	1643.00	1368.68	1370.52	1374.70	125.71	19.70	83.41	146.54
	879.840	10.00	.00	.00	1365.05	1643.00	1368.70	1370.49	1374.52	119.97	19.37	84.83	150.00

Q=100 YEAR

SUMMARY PRINTOUT TABLE 150

	SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
*	889.450	1643.00	1379.21	.00	.00	2.21	36.00	.00
	885.370	1643.00	1375.97	.00	-3.23	.00	31.44	393.00
	885.110	1643.00	1374.70	.00	-1.27	.00	25.00	26.00
	883.730	1643.00	1374.02	.00	-.68	.00	25.00	138.00
	883.480	1643.00	1374.08	.00	.06	.00	33.28	25.00
	883.000	1643.00	1373.90	.00	-.18	.00	33.52	48.00
	879.990	1643.00	1368.68	.00	-5.22	.00	30.36	301.00
	879.840	1643.00	1368.70	.00	.02	.00	30.57	10.00

User: DEN104 -at

<OPS183>PROJ>PJ6114>DATA>HEC2>SSOSS50.OUT

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*****************************************************************************************************
*****************************************************************************************************


WWWW  WWWWW W   W   W    WWW  W
W   W W     WW  W  WW   W   W W  W
W   W W     W W W   W   W   W W  W
W   W WWWW  W W W   W   W W W WWWWW
W   W W     W W W   W   W   W    W
W   W W     W  WW   W   W   W    W
WWWW  WWWWW W   W  WWW   WWW     W



 WWW   WWW   WWW   WWW   WWW  WWWWW  WWW         WWW  W   W WWWWW
W   W W   W W   W W   W W   W W     W   W       W   W W   W   W
W     W     W   W W     W     WWWW  W   W       W   W W   W   W
 WWW   WWW  W   W  WWW   WWW      W W W W       W   W W   W   W
    W     W W   W     W     W     W W   W       W   W W   W   W
W   W W   W W   W W   W W   W W   W W   W   WW  W   W W   W   W
 WWW   WWW   WWW   WWW   WWW   WWW   WWW    WW   WWW   WWW    W

*****************************************************************************************************
*****************************************************************************************************
```

[Spooler rev 20.0.6HB (c) Prime Computer, Inc., 1986]

Label: PRT122 -form DENPRT

Pathname: <OPS183>PROJ>PJ6114>DATA>HEC2>SSOSS50.OUT
File last modified: 88-08-16.21:23:00.Tue

Spooled: 88-09-13.12:21:28.Tue
Started: 88-09-13.12:29:16.Tue on: AMLC by: DENPRT

THIS RUN EXECUTED 08/16/88 22:12:06

```
**************************************************
  HEC2 RELEASE DATED NOV 76 UPDATED MAY  1984
  ERROR CORR -  01,02,03,04,05,06
  MODIFICATION -  50,51,52,53,54,55,56
  IBM-PC-XT VERSION
**************************************************

C
T1       SUPER-CRITICAL RUN FROM THE SLOPE BREAK AT THE ACCESS
T2       RAMP TO THE UPSTREAM END OF THE TRANSITION FOR POND 7.
T3       Q=50 YEAR

J1  ICHECK    INQ       NINV      IDIR      STRT      METRIC    HVINS     Q         WSEL      FQ

       0.        2.        0.        1. -1.000000       .00        .0        0.  1407.500      .000

J2  NPROF     IPLOT     PRFVS     XSECV     XSECH     FN        ALLDC     IBW       CHNIM     ITRACE

     -1.000      .000    -1.000      .000      .000      .000    -1.000      .000      .000      .000

J3  VARIABLE CODES FOR SUMMARY PRINTOUT

    150.000      .000      .000      .000      .000      .000      .000      .000      .000      .000

J5  LPRNT    NUMSEC                    ********REQUESTED SECTION NUMBERS********

    -10.000   -10.000      .000      .000      .000      .000      .000      .000      .000      .000

NC       .035       .035       .016       .100       .300       .000       .000       .000       .000       .000
QT      1.000   1016.000       .000       .000       .000       .000       .000       .000       .000       .000
          SLOPE BREAK AT BEGINING OF ACCESS RAMP (Q=CO31)
X1    927.010      4.000    475.000    525.000    797.000    797.000    797.000       .000       .000       .000
GR   1409.200    475.000   1399.730    494.000   1399.730    506.000   1409.200    525.000       .000       .000

          UPSTREAM END OF TRANSITION SECTION ABOVE SOSSAMAN RD.
X1    919.050      4.000    475.000    525.000     41.000     41.000     41.000       .000       .000       .000
GR   1403.900    475.000   1394.390    494.000   1394.390    506.000   1403.900    525.000       .000       .000

          UPSTREAM END OF SOSSAMAN RD. BOX
X1    918.640      4.000    489.500    510.500    168.000    168.000    168.000       .000       .000       .000
X2       .000       .000      1.000   1400.120   1401.120       .000       .000       .000       .000       .000
BT      4.000    475.000   1401.120   1400.120    489.500   1401.120   1400.120    510.500   1401.120   1400.120
BT    525.000   1401.120   1400.120       .000       .000       .000       .000       .000       .000       .000
GR   1400.500    489.500   1394.120    489.500   1394.120    510.500   1400.500    510.500       .000       .000

SB      1.250      1.560      2.560       .000     21.000      1.000    120.000       .000   1394.120   1392.990
          DOWNSTREAM END OF SOSSAMAN ROAD BOX (Q=CO32)
X1    916.960      4.000    489.500    510.500     35.000     35.000     35.000       .000       .000       .000
X2    831.000       .000       .000       .000       .000       .000       .000       .000       .000       .000
GR   1399.500    489.500   1392.990    489.500   1392.990    510.500   1399.500    510.500       .000       .000
```

DOWNSTREAM END OF TRANSITION FOR SOSSAMAN RD. BOX

X1	916.610	4.000	475.000	525.000	343.000	343.000	343.000	.000	.000	.000
GR	1400.000	475.000	1390.540	494.000	1390.540	506.000	1400.000	525.000	.000	.000

UPSTREAM END OF TRANSITION SECTION ABOVE POND 7

X1	913.700	4.000	478.500	521.700	10.000	10.000	10.000	.000	.000	.000
GR	1397.600	478.500	1389.830	494.000	1389.830	506.000	1397.700	521.700	.000	.000
EJ	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

THIS RUN EXECUTED 08/16/88 22:12:14

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**************************************************
  HEC2 RELEASE DATED NOV 76 UPDATED MAY  1984
  ERROR CORR -  01,02,03,04,05,06
  MODIFICATION -  50,51,52,53,54,55,56
  IBM-PC-XT VERSION
**************************************************
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NOTE- ASTERISK (*) AT LEFT OF CROSS-SECTION NUMBER INDICATES MESSAGE IN SUMMARY OF ERRORS LIST

Q=50 YEAR

SUMMARY PRINTOUT TABLE 150

	SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRIWS	EG	10K*S	VCH	AREA	.01K
*	927.010	.00	.00	.00	1399.73	1016.00	1404.37	1404.37	1406.01	28.11	10.28	98.87	191.62
	919.050	797.00	.00	.00	1394.39	1016.00	1397.71	1399.04	1401.90	102.49	16.41	61.90	100.36
	918.640	41.00	1401.12	1400.12	1394.12	1016.00	1396.98	1398.28	1401.43	112.89	16.93	60.02	95.62
	916.960	168.00	.00	.00	1392.99	831.00	1395.50	1396.63	1399.36	112.18	15.75	52.75	78.46
	916.610	35.00	.00	.00	1390.54	831.00	1393.10	1394.70	1398.69	181.85	18.98	43.78	61.62
*	913.700	343.00	.00	.00	1389.83	831.00	1393.99	1393.99	1395.49	28.91	9.84	84.49	154.54

Q=50 YEAR

SUMMARY PRINTOUT TABLE 150

	SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
*	927.010	1016.00	1404.37	.00	.00	-3.13	30.62	.00
	919.050	1016.00	1397.71	.00	-6.66	.00	25.27	797.00
	918.640	1016.00	1396.98	.00	-.73	.00	21.00	41.00
	916.960	831.00	1395.50	.00	-1.47	.00	21.00	168.00
	916.610	831.00	1393.10	.00	-2.41	.00	22.26	35.00
*	913.700	831.00	1393.99	.00	.89	.00	28.60	343.00

SUMMARY OF ERRORS AND SPECIAL NOTES

```
CAUTION  SECNO=   927.010  PROFILE= 1  CRITICAL DEPTH ASSUMED

CAUTION  SECNO=   913.700  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   913.700  PROFILE= 1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   913.700  PROFILE= 1  20 TRIALS ATTEMPTED TO BALANCE WSEL
```

User: DEN104 -at

<OPS183>PROJ>PJ6114>DATA>HEC2>SSOSS100.OUT

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*****************************************************************************************************
*****************************************************************************************************


WWWW  WWWWW W   W   W    WWW  W
W   W W     WW  W  WW   W   W W  W
W   W W     W W W   W   W   W W  W
W   W WWWW  W W W   W   W W W WWWWW
W   W W     W W W   W   W   W    W
W   W W     W  WW   W   W   W    W
WWWW  WWWWW W   W  WWW   WWW     W



 WWW   WWW   WWW   WWW   WWW    W    WWW   WWW         WWW  W   W WWWWW
W   W W   W W   W W   W W   W  WW   W   W W   W       W   W W   W   W
W     W     W   W W     W       W   W   W W   W       W   W W   W   W
 WWW   WWW  W   W  WWW   WWW    W   W W W W W W       W   W W   W   W
    W     W W   W     W     W   W   W   W W   W       W   W W   W   W
W   W W   W W   W W   W W   W   W   W   W W   W   WW  W   W W   W   W
 WWW   WWW   WWW   WWW   WWW   WWW   WWW   WWW    WW   WWW   WWW    W

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[Spooler rev 20.0.6HB (c) Prime Computer, Inc., 1986]

Label: PRT123 -form DENPRT

Pathname: <OPS183>PROJ>PJ6114>DATA>HEC2>SSOSS100.OUT
File last modified: 88-08-16.20:00:24.Tue

Spooled: 88-09-13.12:22:44.Tue
Started: 88-09-13.12:30:36.Tue on: AMLC by: DENPRT

THIS RUN EXECUTED 08/16/88 19:52:59

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**************************************************
  HEC2 RELEASE DATED NOV 76 UPDATED MAY  1984
  ERROR CORR -  01,02,03,04,05,06
  MODIFICATION -  50,51,52,53,54,55,56
  IBM-PC-XT VERSION
**************************************************

C
T1       SUPER-CRITICAL RUN FROM THE SLOPE BREAK AT THE ACCESS
T2       RAMP TO THE TRANSITION SECTION ABOVE POND 7.
T3       Q=100 YEAR

J1  ICHECK    INQ       NINV      IDIR      STRT      METRIC    HVINS     Q         WSEL      FQ

      0.        2.        0.        1. -1.000000      .00       .0        0.  1407.500      .000

J2  NPROF     IPLOT     PRFVS     XSECV     XSECH     FN        ALLDC     IBW       CHNIM     ITRACE

    -1.000     1.000    -1.000     1.000     2.000     .000      .000      .000      .000      .000

J3  VARIABLE CODES FOR SUMMARY PRINTOUT

   150.000      .000      .000      .000      .000      .000      .000      .000      .000      .000

J5  LPRNT    NUMSEC                    ********REQUESTED SECTION NUMBERS********

   -10.000   -10.000      .000      .000      .000      .000      .000      .000      .000      .000

NC      .035      .035      .016      .100      .300      .000      .000      .000      .000      .000
QT     1.000  1175.000      .000      .000      .000      .000      .000      .000      .000      .000
          SLOPE BREAK AT BEGINING OF ACCESS RAMP (Q=CO31)
X1   927.010     4.000   475.000   525.000   797.000   797.000   797.000      .000      .000      .000
GR  1409.200   475.000  1399.730   494.000  1399.730   506.000  1409.200   525.000      .000      .000

          UPSTREAM END OF TRANSITION SECTION ABOVE SOSSAMAN RD.
X1   919.050     4.000   475.000   525.000    41.000    41.000    41.000      .000      .000      .000
GR  1403.900   475.000  1394.390   494.000  1394.390   506.000  1403.900   525.000      .000      .000

          UPSTREAM END OF SOSSAMAN RD. BOX
X1   918.640     4.000   489.500   510.500   168.000   168.000   168.000      .000      .000      .000
X2      .000      .000     1.000  1400.120  1401.120      .000      .000      .000      .000      .000
BT     4.000   475.000  1401.120  1400.120   489.500  1401.120  1400.120   510.500  1401.120  1400.120
BT   525.000  1401.120  1400.120      .000      .000      .000      .000      .000      .000      .000
GR  1400.500   489.500  1394.120   489.500  1394.120   510.500  1400.500   510.500      .000      .000

SB     1.250     1.560     2.560      .000    21.000     1.000   120.000      .000  1394.120  1392.990
          DOWNSTREAM END OF SOSSAMAN ROAD BOX (Q=CO32)
X1   916.960     4.000   489.500   510.500    35.000    35.000    35.000      .000      .000      .000
X2  1375.000      .000      .000      .000      .000      .000      .000      .000      .000      .000
GR  1399.500   489.500  1392.990   489.500  1392.990   510.500  1399.500   510.500      .000      .000
```

DOWNSTREAM END OF TRANSITION FOR SOSSAMAN RD. BOX

X1	916.610	4.000	475.000	525.000	343.000	343.000	343.000	.000	.000	.000
GR	1400.000	475.000	1390.540	494.000	1390.540	506.000	1400.000	525.000	.000	.000

UPSTREAM END OF TRANSITION SECTION ABOVE POND 7

X1	913.700	4.000	478.500	521.700	10.000	10.000	10.000	.000	.000	.000
GR	1397.600	478.500	1389.830	494.000	1389.830	506.000	1397.700	521.700	.000	.000
EJ	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

```
CROSS SECTION    927.01
STREAM   Q=100 YEAR
DISCHARGE=     1175.

PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

ELEV 1399.     1400.     1401.     1402.     1403.     1404.     1405.     1406.     1407.     1408.     1409.

    STA-FEET

 2 475. .         .         .         .         .         .         .         .         .         .         . X   BANK.
   477. .         .         .         .         .         .         .         .         .         . X       .         .
   479. .         .         .         .         .         .         .         .         . X       .         .         .
   481. .         .         .         .         .         .         .         . X  E    .         .         .         .
   483. .         .         .         .         .         .         . X       .    E    .         .         .         .
   485. .         .         .         .         .         . X    W  .         .    E    .         .         .         .
   487. .         .         .         .         . X       .    W  .         .    E    .         .         .         .
   489. .         .         .         . X       .         .    W  .         .    E    .         .         .         .
   491. .         .         . X       .         .         .    W  .         .    E    .         .         .         .
 3 493. .       X .         .         .         .         .    W  .         .    E    .         .         .         .
   495. .       X .         .         .         .         .    W  .         .    E    .         .         .         .
   497. .       X .         .         .         .         .    W  .         .    E    .         .         .         .
   499. .       X .         .         .         .         .    W  .         .    E    .         .         .         .
   501. .       X .         .         .         .         .    W  .         .    E    .         .         .         .
   503. .       X .         .         .         .         .    W  .         .    E    .         .         .         .
 4 505. .       X .         .         .         .         .    W  .         .    E    .         .         .         .
   507. .         .       X .         .         .         .    W  .         .    E    .         .         .         .
   509. .         .         .       X .         .         .    W  .         .    E    .         .         .         .
   511. .         .         .         .       X .         .    W  .         .    E    .         .         .         .
   513. .         .         .         .         .       X .    W  .         .    E    .         .         .         .
   515. .         .         .         .         .         .    X  .         .    E    .         .         .         .
   517. .         .         .         .         .         .       .       X .    E    .         .         .         .
   519. .         .         .         .         .         .       .         .      X  .         .         .         .
   521. .         .         .         .         .         .       .         .         .         X .         .         .
   523. .         .         .         .         .         .       .         .         .         .         X .         .
 5 525. .         .         .         .         .         .       .         .         .         .         . X   BANK.

NRD=       0 ELLC=  9999999.00 ELTRD=  9999999.00

  EL(I),STA(I)
    1409.20      475.00     1399.73      494.00     1399.73      506.00     1409.20      525.00
```

```
CROSS SECTION    919.05
STREAM   Q=100 YEAR
DISCHARGE=     1175.

PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

ELEV 1394.     1395.     1396.     1397.     1398.     1399.     1400.     1401.     1402.     1403.     1404.

    STA-FEET

 2 475. .         .         .         .                   .         .         .         .         .         X.     BANK.
   477. .         .         .         .                   .         .         .         .         X.         .         .
   479. .         .         .         .                   .         .         .         X.   E     .         .         .
   481. .         .         .         .                   .         .         X.        .   E     .         .         .
   483. .         .         .         .                   .         X.        .         .   E     .         .         .
   485. .         .         .         .                 X.   C      .         .         .   E     .         .         .
   487. .         .         .         .        XW         .   C      .         .         .   E     .         .         .
   489. .         .         .         X.        W         .   C      .         .         .   E     .         .         .
   491. .         .         X.        .         W         .   C      .         .         .   E     .         .         .
 3 493. .   X     .         .         .         W         .   C      .         .         .   E     .         .         .
   495. .   X     .         .         .         W         .   C      .         .         .   E     .         .         .
   497. .   X     .         .         .         W         .   C      .         .         .   E     .         .         .
   499. .   X     .         .         .         W         .   C      .         .         .   E     .         .         .
   501. .   X     .         .         .         W         .   C      .         .         .   E     .         .         .
   503. .   X     .         .         .         W         .   C      .         .         .   E     .         .         .
 4 505. .   X     .         .         .         W         .   C      .         .         .   E     .         .         .
   507. .         .   X     .         .         W         .   C      .         .         .   E     .         .         .
   509. .         .         .   X     .         W         .   C      .         .         .   E     .         .         .
   511. .         .         .         .   X     W         .   C      .         .         .   E     .         .         .
   513. .         .         .         .             X     .   C      .         .         .   E     .         .         .
   515. .         .         .         .                   .   X      .         .         .   E     .         .         .
   517. .         .         .         .                   .         .   X     .         .   E     .         .         .
   519. .         .         .         .                   .         .         .   X     .   E     .         .         .
   521. .         .         .         .                   .         .         .         .   X     .         .         .
   523. .         .         .         .                   .         .         .         .         .   X     .         .
 5 525. .         .         .         .                   .         .         .         .         .         X.     BANK.

NRD=       0 ELLC=  9999999.00 ELTRD=  9999999.00

  EL(I),STA(I)
    1403.90      475.00     1394.39      494.00     1394.39      506.00     1403.90      525.00
```

```
CROSS SECTION    918.64
STREAM   Q=100 YEAR
DISCHARGE=      1175.


PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

ELEV 1394.     1395.     1396.     1397.     1398.     1399.     1400.     1401.     1402.     1403.     1404.


    STA-FEET

 3 490. .XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXBXXXX    .T        E         .         .     BANK.
   492. .X        .         .         .  W      .      C  .         .B        .T        E         .         .         .
   494. .X        .         .         .  W      .      C  .         .B        .T        E         .         .         .
   496. .X        .         .         .  W      .      C  .         .B        .T        E         .         .         .
   498. .X        .         .         .  W      .      C  .         .B        .T        E         .         .         .
   500. .X        .         .         .  W      .      C  .         .B        .T        E         .         .         .
   502. .X        .         .         .  W      .      C  .         .B        .T        E         .         .         .
   504. .X        .         .         .  W      .      C  .         .B        .T        E         .         .         .
   506. .X        .         .         .  W      .      C  .         .B        .T        E         .         .         .
   508. .X        .         .         .  W      .      C  .         .B        .T        E         .         .         .
 5 510. .XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX XXXX    .T        E         .         .     BANK.

NRD=        6 ELLC=      1400.12 ELTRD=      1401.12

   475.00   1400.12   1401.12    489.50   1400.12   1401.12    510.50   1400.12   1401.12
   525.00   1400.12   1401.12
  EL(I),STA(I)
    1400.50      489.50     1394.12      489.50     1394.12      510.50     1400.50      510.50
```

```
CROSS SECTION    916.96
STREAM   Q=100 YEAR
DISCHARGE=      1375.

PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

ELEV 1392.      1393.      1394.      1395.      1396.      1397.      1398.      1399.      1400.      1401.      1402.

    STA-FEET

 3 490. .      XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX    .     E   .         .       BANK.
   492. .      X          .          .          .          .         .W         .          .     E   .         .           .
   494. .      X          .          .          .          .         .W         .          .     E   .         .           .
   496. .      X          .          .          .          .         .W         .          .     E   .         .           .
   498. .      X          .          .          .          .         .W         .          .     E   .         .           .
   500. .      X          .          .          .          .         .W         .          .     E   .         .           .
   502. .      X          .          .          .          .         .W         .          .     E   .         .           .
   504. .      X          .          .          .          .         .W         .          .     E   .         .           .
   506. .      X          .          .          .          .         .W         .          .     E   .         .           .
   508. .      X          .          .          .          .         .W         .          .     E   .         .           .
 5 510. .      XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX    .     E   .         .       BANK.

NRD=        0 ELLC=  9999999.00 ELTRD=  9999999.00

  EL(I),STA(I)
    1399.50      489.50      1392.99      489.50      1392.99      510.50      1399.50      510.50
```

```
CROSS SECTION    916.61
STREAM   Q=100 YEAR
DISCHARGE=     1375.

PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

ELEV 1390.     1391.     1392.     1393.     1394.     1395.     1396.     1397.     1398.     1399.     1400.

   STA-FEET

 2 475. .         .         .         .         .         .                   .         .         .         XE    BANK.
   477. .         .         .         .         .         .                   .         .         X         .E       .
   479. .         .         .         .         .         .                   .         X         .         .E       .
   481. .         .         .         .         .         .                   X         .         .         .E       .
   483. .         .         .         .         .         .         X         .         .         .         .E       .
   485. .         .         .         .         .         X         C         .         .         .         .E       .
   487. .         .         .         .         X W       .         C         .         .         .         .E       .
   489. .         .         .         X         . W       .         C         .         .         .         .E       .
   491. .         .         X         .         . W       .         C         .         .         .         .E       .
 3 493. .    X    .         .         .         . W       .         C         .         .         .         .E       .
   495. .    X    .         .         .         . W       .         C         .         .         .         .E       .
   497. .    X    .         .         .         . W       .         C         .         .         .         .E       .
   499. .    X    .         .         .         . W       .         C         .         .         .         .E       .
   501. .    X    .         .         .         . W       .         C         .         .         .         .E       .
   503. .    X    .         .         .         . W       .         C         .         .         .         .E       .
 4 505. .    X    .         .         .         . W       .         C         .         .         .         .E       .
   507. .         .    X    .         .         . W       .         C         .         .         .         .E       .
   509. .         .         .    X    .         . W       .         C         .         .         .         .E       .
   511. .         .         .         .    X    . W       .         C         .         .         .         .E       .
   513. .         .         .         .         .         X         C         .         .         .         .E       .
   515. .         .         .         .         .         .    X    C         .         .         .         .E       .
   517. .         .         .         .         .         .         .    X    .         .         .         .E       .
   519. .         .         .         .         .         .         .         .    X    .         .         .E       .
   521. .         .         .         .         .         .         .         .         .    X    .         .E       .
   523. .         .         .         .         .         .         .         .         .         .    X    .E       .
 5 525. .         .         .         .         .         .         .         .         .         .         XE    BANK.

NRD=       0 ELLC=  9999999.00 ELTRD=  9999999.00

  EL(I),STA(I)
    1400.00      475.00     1390.54      494.00     1390.54      506.00     1400.00      525.00
```

```
CROSS SECTION    913.70
STREAM   Q=100 YEAR
DISCHARGE=     1375.

PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

ELEV 1389.     1390.     1391.     1392.     1393.     1394.     1395.     1396.     1397.     1398.     1399.

    STA-FEET

 2 478. .         .         .         .         .         .         .         .         .         X         .         .     BANK.
   480. .         .         .         .         .         .         .         .         X         . E       .         .         .
   482. .         .         .         .         .         .         .         X         .         . E       .         .         .
   484. .         .         .         .         .         .         X         . W       .         . E       .         .         .
   486. .         .         .         .         .         X         .         . W       .         . E       .         .         .
   488. .         .         .         .         X         .         .         . W       .         . E       .         .         .
   490. .         .         .         X         .         .         .         . W       .         . E       .         .         .
   492. .         .         X         .         .         .         .         . W       .         . E       .         .         .
 3 494. .         X         .         .         .         .         .         . W       .         . E       .         .         .
   496. .         X         .         .         .         .         .         . W       .         . E       .         .         .
   498. .         X         .         .         .         .         .         . W       .         . E       .         .         .
   500. .         X         .         .         .         .         .         . W       .         . E       .         .         .
   502. .         X         .         .         .         .         .         . W       .         . E       .         .         .
   504. .         X         .         .         .         .         .         . W       .         . E       .         .         .
 4 506. .         X         .         .         .         .         .         . W       .         . E       .         .         .
   508. .         .         X         .         .         .         .         . W       .         . E       .         .         .
   510. .         .         .         X         .         .         .         . W       .         . E       .         .         .
   512. .         .         .         .         X         .         .         . W       .         . E       .         .         .
   514. .         .         .         .         .         X         .         . W       .         . E       .         .         .
   516. .         .         .         .         .         .         X         . W       .         . E       .         .         .
   518. .         .         .         .         .         .         .         X         .         . E       .         .         .
   520. .         .         .         .         .         .         .         .         X         . E       .         .         .
 5 522. .         .         .         .         .         .         .         .         .         .         X         .         .     BANK.

NRD=       0 ELLC=  9999999.00 ELTRD=  9999999.00

  EL(I),STA(I)
    1397.60      478.50     1389.83      494.00     1389.83      506.00     1397.70      521.70
```

THIS RUN EXECUTED 08/16/88 19:54:18

```
**************************************************
  HEC2 RELEASE DATED NOV 76 UPDATED MAY  1984
  ERROR CORR -  01,02,03,04,05,06
  MODIFICATION -  50,51,52,53,54,55,56
  IBM-PC-XT VERSION
**************************************************
```

NOTE- ASTERISK (*) AT LEFT OF CROSS-SECTION NUMBER INDICATES MESSAGE IN SUMMARY OF ERRORS LIST

Q=100 YEAR

SUMMARY PRINTOUT TABLE 150

	SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRIWS	EG	10K*S	VCH	AREA	.01K
*	927.010	.00	.00	.00	1399.73	1175.00	1404.75	1404.75	1406.50	27.61	10.62	110.68	223.64
	919.050	797.00	.00	.00	1394.39	1175.00	1397.99	1399.42	1402.45	99.78	16.93	69.39	117.63
	918.640	41.00	1401.12	1400.12	1394.12	1175.00	1397.34	1398.71	1402.01	104.44	17.34	67.77	114.97
*	916.960	168.00	.00	.00	1392.99	1375.00	1398.08	1398.08	1400.65	37.15	12.87	106.85	225.60
	916.610	35.00	.00	.00	1390.54	1375.00	1394.19	1395.99	1400.09	130.98	19.50	70.50	120.14
*	913.700	343.00	.00	.00	1389.83	1375.00	1395.29	1395.29	1397.17	27.06	11.00	124.97	264.33

Q=100 YEAR

SUMMARY PRINTOUT TABLE 150

	SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
*	927.010	1175.00	1404.75	.00	.00	-2.75	32.13	.00
	919.050	1175.00	1397.99	.00	-6.75	.00	26.43	797.00
	918.640	1175.00	1397.34	.00	-.65	.00	21.00	41.00
*	916.960	1375.00	1398.08	.00	.74	.00	21.00	168.00
	916.610	1375.00	1394.19	.00	-3.89	.00	26.65	35.00
*	913.700	1375.00	1395.29	.00	1.10	.00	33.78	343.00

SUMMARY OF ERRORS AND SPECIAL NOTES

```
CAUTION  SECNO=   927.010  PROFILE= 1  CRITICAL DEPTH ASSUMED

CAUTION  SECNO=   916.960  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   916.960  PROFILE= 1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   916.960  PROFILE= 1  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION  SECNO=   913.700  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   913.700  PROFILE= 1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   913.700  PROFILE= 1  20 TRIALS ATTEMPTED TO BALANCE WSEL
```

User: DEN104 -at

<OPS183>PROJ>PJ6114>DATA>HEC2>CH1ROUTA.OUT

```
*****************************************************************************************************
*****************************************************************************************************

wwww  wwwww w   w   w    www  w
w   w w     ww  w  ww   w   w w  w
w   w w     w w w   w   w   w w  w
w   w wwww  w w w   w   w w w wwwww
w   w w     w w w   w   w   w    w
w   w w     w  ww   w   w   w    w
wwww  wwwww w   w  www   www     w



 www  w   w   w   wwww   www  w   w wwwww  www         www  w   w wwwww
w   w w   w  ww   w   w w   w w   w   w   w   w       w   w w   w   w
w     w   w   w   w   w w   w w   w   w   w   w       w   w w   w   w
w     wwwww   w   wwww  w   w w   w   w   wwwww       w   w w   w   w
w     w   w   w   w w   w   w w   w   w   w   w       w   w w   w   w
w   w w   w   w   w  w  w   w w   w   w   w   w   ww  w   w w   w   w
 www  w   w  www  w   w  www   www    w   w   w   ww   www   www    w

*****************************************************************************************************
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[Spooler rev 20.0.6HB (c) Prime Computer, Inc., 1986]

Label: PRT121 -form DENPRT

Pathname: <OPS183>PROJ>PJ6114>DATA>HEC2>CH1ROUTA.OUT
File last modified: 88-07-07.09:18:08.Thu

Spooled: 88-09-13.12:20:00.Tue
Started: 88-09-13.12:42:16.Tue on: AMLC by: DENPRT

THIS RUN EXECUTED 07/06/88 16:39:22

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**************************************************
  HEC2 RELEASE DATED NOV 76 UPDATED MAY  1984
  ERROR CORR -  01,02,03,04,05,06
  MODIFICATION -  50,51,52,53,54,55,56
  IBM-PC-XT VERSION
**************************************************

C
T1       BACKWATER CURVE FROM THE RWCD TO THE UPSTREAM END OF
T2       CHANNEL NUMBER 1 (APPROX. STA 816+16 TO STA 918.94).
T3       Q RANGES FROM 600 TO 1900

J1  ICHECK    INQ       NINV      IDIR      STRT      METRIC    HVINS     Q         WSEL      FQ

      0.        2.        0.        0.   .000000       .00        .0        0.  1337.700      .000

J2  NPROF     IPLOT     PRFVS     XSECV     XSECH     FN        ALLDC     IBW       CHNIM     ITRACE

     1.000      .000    -1.000      .000      .000      .000    -1.000      .000      .000      .000

J3  VARIABLE CODES FOR SUMMARY PRINTOUT

    105.000      .000      .000      .000      .000      .000      .000      .000      .000      .000

J5  LPRNT    NUMSEC                    ********REQUESTED SECTION NUMBERS********

    -10.000   -10.000      .000      .000      .000      .000      .000      .000      .000      .000

NC       .035       .035       .016       .100       .300       .000       .000       .000       .000       .000
QT     14.000    600.000    650.000    700.000    750.000    800.000    850.000    900.000    950.000   1000.000
QT   1050.000   1100.000   1150.000   1200.000   1250.000       .000       .000       .000       .000       .000
          DISCHARGE TO THE RWCD-ASSUMED ELEVATION (509 PLAN EL.-1.3 FT)
X1    816.160      4.000    475.000    525.000       .000       .000       .000       .000       .000       .000
GR   1337.200    475.000   1327.700    494.000   1327.700    506.000   1337.200    525.000       .000       .000

          URS SURVEYED ELEVATION-EXISTING CHANNEL
X1    843.150      4.000    475.000    525.000   2699.000   2699.000   2699.000       .000       .000       .000
GR   1344.800    475.000   1335.300    494.000   1335.300    506.000   1344.800    525.000       .000       .000

          URS SURVEYED ELEVATION-EXISTING CHANNEL
X1    846.000      4.000    475.000    525.000    285.000    285.000    285.000       .000       .000       .000
GR   1345.700    475.000   1336.200    494.000   1336.200    506.000   1345.700    525.000       .000       .000

          URS SURVEYED ELEVATION-EXISTING CHANNEL
X1    847.400      4.000    475.000    525.000     50.000     50.000     50.000       .000       .000       .000
GR   1346.200    475.000   1336.700    494.000   1336.700    506.000   1346.200    525.000       .000       .000

          STORM SEWER OUTFALL TO EXISTING CHANNEL
X1    848.470      4.000    475.000    525.000    107.000    107.000    107.000       .000       .000       .000
GR   1347.700    475.000   1338.230    494.000   1338.230    506.000   1347.700    525.000       .000       .000
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          URS SURVEYED ELEVATION-EXISTING CHANNEL
X1    850.400      4.000    475.000    525.000    193.000    193.000    193.000       .000       .000       .000
GR   1350.500    475.000   1341.000    494.000   1341.000    506.000   1350.500    525.000       .000       .000

          URS SURVEYED ELEVATION-EXISTING CHANNEL
X1    853.400      4.000    475.000    525.000    300.000    300.000    300.000       .000       .000       .000
GR   1355.000    475.000   1345.500    494.000   1345.500    506.000   1355.000    525.000       .000       .000

          URS SURVEYED ELEVATION-EXISTING CHANNEL
X1    856.600      4.000    475.000    525.000    320.000    320.000    320.000       .000       .000       .000
GR   1359.700    475.000   1350.200    494.000   1350.200    506.000   1359.700    525.000       .000       .000

          GRADE BREAK 460 FEET DOWNSTREAM FROM POWER BOX
X1    859.600      4.000    475.000    525.000    300.000    300.000    300.000       .000       .000       .000
GR   1364.300    475.000   1354.800    494.000   1354.800    506.000   1364.300    525.000       .000       .000

          DOWNSTREAM END OF TRANSITION BELOW POWER BOX
X1    863.910      4.000    475.000    525.000    431.000    431.000    431.000       .000       .000       .000
GR   1366.500    475.000   1357.010    492.000   1357.010    506.000   1366.500    525.000       .000       .000

          POWER ROAD BOX- DOWNSTREAM END
X1    864.210      4.000    489.500    510.500     30.000     30.000     30.000       .000       .000       .000
X3     10.000       .000       .000       .000       .000       .000       .000   1365.160   1365.160       .000
GR   1366.700    489.500   1357.170    489.500   1357.170    510.500   1366.700    510.500       .000       .000

SB      1.250      1.560      2.560       .000     21.000      1.000    120.000       .000   1358.000   1357.010
          POWER ROAD BOX- UPSTREAM END
X1    865.570      9.000    482.500    517.500    142.000    142.000    142.000       .000       .000       .000
X2       .000       .000      1.000   1364.000   1368.230       .000       .000       .000       .000       .000
X3     10.000       .000       .000    482.500   1367.500    517.500   1367.500       .000       .000       .000
BT      7.000    463.000   1372.600   1364.000    482.500   1372.020   1364.000    489.500   1372.020   1364.000
BT    510.500   1371.720   1364.000    517.500   1371.620   1364.000   1000.000   1368.230   1364.000   1057.100
BT   1370.000   1364.000       .000       .000       .000       .000       .000       .000       .000       .000
GR   1372.600    463.000   1367.500    482.500   1364.000    489.500   1358.000    489.500   1358.000    510.500
GR   1364.000    510.500   1367.500    517.500   1369.920   1000.000   1370.200   1057.000      1.000       .000

          UPSTREAM END OF POWER ROAD BOX CULVERT TRANSITION
X1    866.070      6.000    473.400    526.600     50.000     50.000     50.000       .000       .000       .000
X3     10.000       .000       .000    473.400   1367.500    526.600   1367.500       .000       .000       .000
GR   1369.400    375.000   1367.500    473.400   1358.200    492.000   1358.200    508.000   1367.500    526.600
GR   1370.000   1027.000       .000       .000       .000       .000       .000       .000       .000       .000

          DOWNSTREAM END OF POND 1 SPILLWAY TOP
X1    867.010      4.000    473.200    526.800     94.000     94.000     94.000       .000       .000       .000
GR   1368.100    473.200   1358.710    492.000   1358.710    508.000   1368.100    526.800       .000       .000

          DOWNSTREAM END OF POND 1 SPILLWAY CREST
X1    867.020      4.000    474.100    526.800      1.000      1.000      1.000       .000       .000       .000
GR   1367.700    474.100   1358.710    492.000   1358.710    508.000   1368.100    526.800       .000       .000
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          UPSTREAM END OF POND 1 SPILLWAY CREST
X1    867.780      4.000    475.100    527.000     77.000     77.000     77.000       .000       .000       .000
GR   1367.700    475.100   1359.200    492.000   1359.200    508.000   1368.700    527.000       .000       .000

          UPSTREAM END OF POND 1 SPILLWAY TOP
X1    867.790      4.000    475.100    527.000      1.000      1.000      1.000       .000       .000       .000
GR   1368.700    473.000   1359.200    492.000   1359.200    508.000   1368.700    527.000       .000       .000

          GRADE BREAK BELOW DIVERSION STRUCTURE FOR POND 1
X1    871.400      8.000    474.000    527.000    361.000    361.000    361.000       .000       .000       .000
GR   1370.400    338.000   1364.740    349.000   1364.740    455.000   1370.300    466.000   1370.300    474.000
GR   1361.300    492.000   1361.300    508.000   1370.800    527.000       .000       .000       .000       .000

          DOWNSTREAM END OF TRANSITION SECTION BELOW POND 1
X1    871.730      4.000    474.000    526.000     33.000     33.000     33.000       .000       .000       .000
GR   1370.400    474.000   1361.390    492.000   1361.390    508.000   1370.400    526.000       .000       .000

          UPSTREAM END OF TRANSITION SECTION BELOW POND 1
X1    871.830      4.000    474.700    525.500     10.000     10.000     10.000       .000       .000       .000
GR   1370.400    474.700   1361.410    490.000   1361.410    510.000   1370.500    525.500       .000       .000

          FLOW CONSTRICTOR FOR POND 1
X1    871.930      4.000    474.600    525.400     10.000     10.000     10.000       .000       .000       .000
GR   1370.500    474.600   1361.430    490.000   1361.430    510.000   1370.500    525.400       .000       .000

SB       .000      1.560      2.560       .000     20.000       .000    142.500      1.700       .000       .000
          UPSTREAM SIDE OF CHANNEL CONSTRICTOR
X1    871.970      4.000    474.600    525.400      4.000      4.000      4.000       .000       .000       .000
X2       .000       .000      1.000   1366.440   1369.520       .000       .000       .000       .000       .000
BT      4.000    474.600   1369.520   1366.440    490.000   1369.520   1366.440    510.000   1369.520   1366.440
BT    525.400   1369.520   1366.440       .000       .000       .000       .000       .000       .000       .000
GR   1370.500    474.600   1361.440    490.000   1361.440    510.000   1370.500    525.400       .000       .000

          DOWNSTREAM END OF WEIR
X1    872.020      4.000    474.600    525.400      5.000      5.000      5.000       .000       .000       .000
GR   1370.500    474.600   1361.450    490.000   1361.450    510.000   1370.500    525.400       .000       .000

          DOWNSTREAM END OF TRANSITION ABOVE DIVERSION FOR POND 1
X1    872.370      4.000    474.500    525.500     60.000     60.000     60.000       .000       .000       .000
GR   1370.600    474.500   1361.510    490.000   1361.510    510.000   1370.600    525.500       .000       .000

          UPSTREAM END OF TRANSITION ABOVE DIVERSION FOR POND 1
X1    872.470      4.000    473.900    526.100     10.000     10.000     10.000       .000       .000       .000
GR   1370.600    473.900   1361.530    492.000   1361.530    508.000   1370.600    526.100       .000       .000

          SLOPE BREAK ABOVE TRANSITION SECTION FOR POND 1
X1    873.000      4.000    473.000    527.000     53.000     53.000     53.000       .000       .000       .000
GR   1371.100    473.000   1361.640    492.000   1361.640    508.000   1371.100    527.000       .000       .000
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          SLOPE BREAK BELOW TRANSITION SECTION FOR POND 2
X1    878.390      4.000    473.000    527.000    539.000    539.000    539.000       .000       .000       .000
GR   1374.300    473.000   1364.760    492.000   1364.760    508.000   1374.300    527.000       .000       .000

          DOWNSTREAM END OF TRANSITION SECTION BELOW POND 2
X1    878.850      4.000    472.900    527.100     46.000     46.000     46.000       .000       .000       .000
GR   1374.400    472.900   1364.850    492.000   1364.850    508.000   1374.400    527.100       .000       .000

          UPSTREAM END OF TRANSITION SECTION BELOW POND 2
X1    878.950      4.000    473.800    526.200     10.000     10.000     10.000       .000       .000       .000
GR   1374.400    473.800   1364.870    490.000   1364.870    510.000   1374.400    526.200       .000       .000

          FLOW CONSTRICTOR FOR POND 2
X1    879.050      4.000    473.700    526.300     10.000     10.000     10.000       .000       .000       .000
GR   1374.500    473.700   1364.890    490.000   1364.890    510.000   1374.500    526.300       .000       .000

SB       .000      1.560      2.560       .000     20.000       .000    161.400      1.700       .000       .000
          UPSTREAM SIDE OF FLOW CONSTRICTOR FOR POND 2
X1    879.090      4.000    473.700    526.300      4.000      4.000      4.000       .000       .000       .000
X2       .000       .000      1.000   1370.400   1373.480       .000       .000       .000       .000       .000
BT      4.000    473.700   1373.480   1370.400    490.000   1373.480   1370.400    510.000   1373.480   1370.400
BT    526.300   1373.480   1370.400       .000       .000       .000       .000       .000       .000       .000
GR   1374.500    473.700   1364.900    490.000   1364.900    510.000   1374.500    526.300       .000       .000

          DOWNSTREAM END OF WEIR
X1    879.140      4.000    473.700    526.300      5.000      5.000      5.000       .000       .000       .000
GR   1374.500    473.700   1364.910    490.000   1364.910    510.000   1374.500    526.300       .000       .000

          DOWNSTREAM END OF TRANSITION SECTION ABOVE POND 2
X1    879.740      4.000    472.900    527.300     60.000     60.000     60.000       .000       .000       .000
GR   1375.100    472.900   1365.030    490.000   1365.030    510.000   1375.200    527.300       .000       .000

          UPSTREAM END OF TRANSITION SECTION ABOVE POND 2
X1    879.840      4.000    471.900    528.500     10.000     10.000     10.000       .000       .000       .000
GR   1375.100    471.900   1365.050    492.000   1365.050    508.000   1375.300    528.500       .000       .000

X1    879.990      4.000    473.000    527.000     15.000     15.000     15.000       .000       .000       .000
GR   1374.600    473.000   1365.080    492.000   1365.080    508.000   1374.600    527.000       .000       .000

          SLOPE BREAK BELOW TRANSITION FOR 72nd BOX
X1    883.000      4.000    473.000    527.000    301.000    301.000    301.000       .000       .000       .000
GR   1379.000    473.000   1369.540    492.000   1369.540    508.000   1379.000    527.000       .000       .000

          DOWNSTREAM END OF TRANSITION SECTION FOR 72nd BOX
X1    883.480      4.000    473.000    527.000     48.000     48.000     48.000       .000       .000       .000
GR   1379.200    473.000   1369.800    492.000   1369.800    508.000   1379.200    527.000       .000       .000

          UPSTREAM END OF TRANSITION FOR 72nd BOX (AT BOX)
X1    883.730      4.000    487.500    512.500     25.000     25.000     25.000       .000       .000       .000
GR   1379.500    487.500   1369.980    487.500   1369.980    512.500   1379.500    512.500       .000       .000
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SB      1.250      1.560      2.560       .000     25.000      1.000    192.000       .000   1370.890   1369.980
          UPSTREAM END OF 72nd STREET BOX CULVERT
X1    885.110      4.000    487.500    512.500    138.000    138.000    138.000       .000       .000       .000
X2       .000       .000      1.000   1378.890   1379.890       .000       .000       .000       .000       .000
BT      4.000    487.500   1379.890   1378.890    487.500   1379.890   1378.890    512.500   1379.890   1378.890
BT    512.500   1379.890   1378.890       .000       .000       .000       .000       .000       .000       .000
GR   1380.400    487.500   1370.890    487.500   1370.890    512.500   1380.400    512.500       .000       .000

          UPSTREAM END OF TRANSITION SECTION ABOVE 72nd BOX
X1    885.370      4.000    475.000    525.000     26.000     26.000     26.000       .000       .000       .000
GR   1380.700    475.000   1371.020    494.000   1371.020    506.000   1380.700    525.000       .000       .000

          SLOPE BREAK BELOW DIVERSION STRUCTURE FOR POND 3
X1    889.450      4.000    475.000    525.000    393.000    393.000    393.000       .000       .000       .000
GR   1382.700    475.000   1373.220    494.000   1373.220    506.000   1382.700    525.000       .000       .000

          DOWNSTREAM END OF TRANSITION SECTION BELOW POND 3
X1    889.880      4.000    474.200    526.400     43.000     43.000     43.000       .000       .000       .000
GR   1383.200    474.200   1373.310    494.000   1373.310    506.000   1383.500    526.400       .000       .000

          UPSTREAM END OF TRANSITION SECTION BELOW POND 3
X1    889.980      4.000    474.000    526.300     10.000     10.000     10.000       .000       .000       .000
GR   1383.300    474.000   1373.330    490.000   1373.330    510.000   1383.500    526.300       .000       .000

          FLOW CONSTRICTOR FOR POND 3
X1    890.080      4.000    473.600    526.400     10.000     10.000     10.000       .000       .000       .000
GR   1383.600    473.600   1373.350    490.000   1373.350    510.000   1383.600    526.400       .000       .000

SB       .000      1.560      2.560       .000     20.000       .000    205.800      1.600       .000       .000
          UPSTREAM SIDE OF FLOW CONSTRICTOR FOR POND 3
X1    890.120      4.000    473.600    526.400      4.000      4.000      4.000       .000       .000       .000
X2       .000       .000      1.000   1380.050   1383.130       .000       .000       .000       .000       .000
BT      4.000    473.600   1383.130   1380.050    490.000   1383.130   1380.050    510.000   1383.130   1380.050
BT    526.400   1383.130   1380.050       .000       .000       .000       .000       .000       .000       .000
GR   1383.600    473.600   1373.350    490.000   1373.350    510.000   1383.600    526.400       .000       .000

          DOWNSTREAM END OF WEIR
X1    890.170      4.000    473.600    526.400      5.000      5.000      5.000       .000       .000       .000
GR   1383.600    473.600   1373.360    490.000   1373.360    510.000   1383.600    526.400       .000       .000

          DOWNSTREAM END OF TRANSITION SECTION ABOVE POND 3
X1    890.770      4.000    473.200    526.800     60.000     60.000     60.000       .000       .000       .000
GR   1384.000    473.200   1373.510    490.000   1373.510    510.000   1384.000    526.800       .000       .000

          UPSTREAM END OF TRANSITION SECTION ABOVE POND 3
X1    890.870      4.000    472.900    527.100     10.000     10.000     10.000       .000       .000       .000
GR   1384.100    472.900   1373.530    494.000   1373.530    506.000   1384.100    527.100       .000       .000
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          SLOPE BREAK ABOVE TRANSITION SECTION FOR POND 3
X1     891.030      4.000    475.000    525.000      6.000      6.000      6.000       .000       .000       .000
GR    1383.000    475.000   1373.540    494.000   1373.540    506.000   1383.000    525.000       .000       .000

          72nd STREET CHANNEL
X1     891.590      4.000    475.000    525.000     58.000     58.000     58.000       .000       .000       .000
GR    1383.800    475.000   1374.270    494.000   1374.270    506.000   1383.800    525.000       .000       .000

          SLOPE BREAK BELOW DIVERSION STRUCTURE FOR POND 4
X1     896.450      4.000    475.000    525.000    503.000    503.000    503.000       .000       .000       .000
GR    1388.400    475.000   1378.900    494.000   1378.900    506.000   1388.400    525.000       .000       .000

          DOWNSTREAM END OF TRANSITION SECTION BELOW POND 4
X1     896.680      4.000    475.900    526.100     23.000     23.000     23.000       .000       .000       .000
GR    1388.000    475.900   1378.950    494.000   1378.950    506.000   1389.000    526.100       .000       .000

          UPSTREAM END OF TRANSITION SECTION BELOW POND 4
X1     896.780      4.000    475.600    526.200     10.000     10.000     10.000       .000       .000       .000
GR    1388.000    475.600   1378.970    490.000   1378.970    510.000   1389.100    526.200       .000       .000

          FLOW CONSTRICTOR FOR POND 4
X1     896.880      4.000    475.600    526.300     10.000     10.000     10.000       .000       .000       .000
GR    1388.000    475.600   1378.990    490.000   1378.990    510.000   1389.200    526.300       .000       .000

SB        .000      1.560      2.560       .000     20.000       .000    159.500      1.600       .000       .000
          UPSTREAM SIDE OF FLOW CONSTRICTOR FOR POND 4
X1     896.920      4.000    475.400    526.300      4.000      4.000      4.000       .000       .000       .000
X2        .000       .000      1.000   1384.530   1387.610       .000       .000       .000       .000       .000
BT       4.000    475.400   1387.610   1384.530    490.000   1387.610   1384.530    510.000   1387.610   1384.530
BT     526.300   1387.610   1384.530       .000       .000       .000       .000       .000       .000       .000
GR    1388.100    475.400   1379.000    490.000   1379.000    510.000   1389.200    526.300       .000       .000

          DOWNSTREAM END OF WEIR
X1     896.970      4.000    475.500    526.300      5.000      5.000      5.000       .000       .000       .000
GR    1388.100    475.500   1379.010    490.000   1379.010    510.000   1389.200    526.300       .000       .000

          DOWNSTREAM END OF TRANSITION SECTION ABOVE POND 4
X1     897.570      4.000    475.000    526.300     60.000     60.000     60.000       .000       .000       .000
GR    1388.500    475.000   1379.130    490.000   1379.130    510.000   1389.500    526.300       .000       .000

          UPSTREAM END OF TRANSITION SECTION ABOVE POND 4
X1     897.670      4.000    475.300    526.700     10.000     10.000     10.000       .000       .000       .000
GR    1388.500    475.300   1379.150    494.000   1379.150    506.000   1389.500    526.700       .000       .000

          SLOPE BREAK ABOVE TRANSITION SECTION FOR POND 4
X1     898.030      4.000    475.000    525.000     36.000     36.000     36.000       .000       .000       .000
GR    1388.700    475.000   1379.220    494.000   1379.220    506.000   1388.700    525.000       .000       .000
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          SLOPE BREAK BELOW DIVERSION STRUCTURE FOR POND 5
X1    902.440      4.000    475.000    525.000    441.000    441.000    441.000       .000       .000       .000
GR   1392.100    475.000   1382.550    494.000   1382.550    506.000   1392.100    525.000       .000       .000

          DOWNSTREAM END OF TRANSITION SECTION BELOW POND 5
X1    902.620      4.000    475.600    522.800     18.000     18.000     18.000       .000       .000       .000
GR   1391.800    475.600   1382.590    494.000   1382.590    506.000   1391.000    522.800       .000       .000

          UPSTREAM END OF TRANSITION SECTION BELOW POND 5
X1    902.720      4.000    475.100    523.400     10.000     10.000     10.000       .000       .000       .000
GR   1391.900    475.100   1382.610    490.000   1382.610    510.000   1391.000    523.400       .000       .000

          FLOW CONSTRICTOR FOR POND 5
X1    902.820      4.000    475.000    524.200     10.000     10.000     10.000       .000       .000       .000
GR   1392.000    475.000   1382.620    490.000   1382.620    510.000   1391.500    524.200       .000       .000

SB       .000      1.560      2.560       .000     20.000       .000    177.600      1.600       .000       .000
          UPSTREAM SIDE OF FLOW CONSTRICTOR FOR POND 5
X1    902.860      4.000    475.000    524.200      4.000      4.000      4.000       .000       .000       .000
X2       .000       .000      1.000   1388.630   1391.710       .000       .000       .000       .000       .000
BT      4.000    475.000   1391.710   1388.630    490.000   1391.710   1388.630    510.000   1391.710   1388.630
BT    524.200   1391.710   1388.630       .000       .000       .000       .000       .000       .000       .000
GR   1392.000    475.000   1382.630    490.000   1382.630    510.000   1391.500    524.200       .000       .000

          DOWNSTREAM END OF WEIR
X1    902.910      4.000    475.000    524.200      5.000      5.000      5.000       .000       .000       .000
GR   1392.000    475.000   1382.640    490.000   1382.640    510.000   1391.500    524.200       .000       .000

          DOWNSTREAM END OF TRANSITION SECTION ABOVE POND 5
X1    903.900      4.000    474.200    526.300     99.000     99.000     99.000       .000       .000       .000
GR   1392.700    474.200   1382.840    490.000   1382.840    510.000   1393.000    526.300       .000       .000

          UPSTREAM END OF TRANSITION SECTION ABOVE POND 5
X1    904.000      4.000    474.300    526.300     10.000     10.000     10.000       .000       .000       .000
GR   1392.700    474.300   1382.860    494.000   1382.860    510.000   1393.000    526.300       .000       .000

          EDGE OF SOSSAMAN ROAD CHANNEL
X1    904.010      4.000    475.000    525.000      1.000      1.000      1.000       .000       .000       .000
GR   1392.400    475.000   1382.860    494.000   1382.860    506.000   1392.400    525.000       .000       .000

          SLOPE BREAK ABOVE TRANSITION SECTION FOR POND 5
X1    904.040      4.000    475.000    525.000      3.000      3.000      3.000       .000       .000       .000
GR   1392.400    475.000   1382.870    494.000   1382.870    506.000   1392.400    525.000       .000       .000

          SLOPE BREAK BELOW DIVERSION STRUCTURE FOR POND 6
X1    906.440      4.000    475.000    525.000    240.000    240.000    240.000       .000       .000       .000
GR   1395.700    475.000   1386.150    494.000   1386.150    506.000   1395.700    525.000       .000       .000
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          DOWNSTREAM END OF TRANSITION SECTION BELOW POND 6
X1    906.560      4.000    477.300    520.700     12.000     12.000     12.000       .000       .000       .000
GR   1394.500    477.300   1386.170    494.000   1386.170    506.000   1393.500    520.700       .000       .000

          UPSTREAM END OF TRANSITION SECTION BELOW POND 6
X1    906.660      4.000    476.500    521.700     10.000     10.000     10.000       .000       .000       .000
GR   1394.600    476.500   1386.190    490.000   1386.190    510.000   1393.500    521.700       .000       .000

          FLOW CONSTRICTOR FOR POND 6
X1    906.760      4.000    476.400    521.800     10.000     10.000     10.000       .000       .000       .000
GR   1394.700    476.400   1386.210    490.000   1386.210    510.000   1393.600    521.800       .000       .000

SB       .000      1.560      2.560       .000     20.000       .000    132.900      1.600       .000       .000
          UPSTREAM SIDE OF FLOW CONSTRICTOR FOR POND 6
X1    906.800      4.000    476.400    521.800      4.000      4.000      4.000       .000       .000       .000
X2       .000       .000      1.000   1391.020   1394.100       .000       .000       .000       .000       .000
BT      4.000    476.400   1394.100   1391.020    490.000   1394.100   1391.020    510.000   1394.100   1391.020
BT    521.800   1394.100   1391.020       .000       .000       .000       .000       .000       .000       .000
GR   1394.700    476.400   1386.220    490.000   1386.220    510.000   1393.600    521.800       .000       .000

          DOWNSTREAM END OF WEIR
X1    906.850      4.000    476.400    521.800      5.000      5.000      5.000       .000       .000       .000
GR   1394.700    476.400   1386.230    490.000   1386.230    510.000   1393.600    521.800       .000       .000

          DOWNSTREAM END OF TRANSITION SECTION ABOVE POND 6
X1    907.450      4.000    476.000    522.100     60.000     60.000     60.000       .000       .000       .000
GR   1395.100    476.000   1386.350    490.000   1386.350    510.000   1393.900    522.100       .000       .000

          UPSTREAM END OF TRANSITION SECTION ABOVE POND 6
X1    907.550      4.000    476.300    521.300     10.000     10.000     10.000       .000       .000       .000
GR   1395.200    476.300   1386.370    494.000   1386.370    506.000   1394.000    521.300       .000       .000

          SLOPE BREAK ABOVE TRANSITION SECTION FOR POND 6
X1    908.040      4.000    475.000    521.800     49.000     49.000     49.000       .000       .000       .000
GR   1396.000    475.000   1386.470    494.000   1386.470    506.000   1396.000    521.800       .000       .000

          SLOPE BREAK BELOW DIVERSION STRUCTURE FOR POND 7
X1    912.440      4.000    475.000    521.800    440.000    440.000    440.000       .000       .000       .000
GR   1399.100    475.000   1389.580    494.000   1389.580    506.000   1399.100    521.800       .000       .000

          DOWNSTREAM END OF TRANSITION SECTION BELOW POND 7
X1    912.710      4.000    479.300    520.900     27.000     27.000     27.000       .000       .000       .000
GR   1397.000    479.300   1389.630    494.000   1389.630    506.000   1397.100    520.900       .000       .000

          UPSTREAM END OF TRANSITION SECTION BELOW POND 7
X1    912.810      4.000    478.100    522.100     10.000     10.000     10.000       .000       .000       .000
GR   1397.100    478.100   1389.650    490.000   1389.650    510.000   1397.200    522.100       .000       .000
```

```
          FLOW CONSTRICTOR FOR POND 7
X1    912.910      4.000    478.000    522.200     10.000     10.000     10.000       .000       .000       .000
GR   1397.200    478.000   1389.670    490.000   1389.670    510.000   1397.300    522.200       .000       .000

SB       .000      1.560      2.560       .000     20.000       .000    141.400      1.600       .000       .000
          UPSTREAM SIDE OF FLOW CONSTRICTOR FOR POND 7
X1    912.950      4.000    478.000    522.200      4.000      4.000      4.000       .000       .000       .000
X2       .000       .000      1.000   1394.720   1397.800       .000       .000       .000       .000       .000
BT      4.000    478.000   1397.800   1394.720    490.000   1397.800   1394.720    510.000   1397.800   1394.720
BT    522.200   1397.800   1394.720       .000       .000       .000       .000       .000       .000       .000
GR   1397.200    478.000   1389.680    490.000   1389.680    510.000   1397.300    522.200       .000       .000

          DOWNSTREAM END OF WEIR
X1    913.000      4.000    478.000    522.200      5.000      5.000      5.000       .000       .000       .000
GR   1397.200    478.000   1389.690    490.000   1389.690    510.000   1397.300    522.200       .000       .000

          DOWNSTREAM END OF TRANSITION SECTION ABOVE POND 7
X1    913.600      4.000    477.700    522.500     60.000     60.000     60.000       .000       .000       .000
GR   1397.500    477.700   1389.810    490.000   1389.810    510.000   1397.600    522.500       .000       .000

          UPSTREAM END OF TRANSITION SECTION ABOVE POND 7
X1    913.700      4.000    478.500    521.700     10.000     10.000     10.000       .000       .000       .000
GR   1397.600    478.500   1389.830    494.000   1389.830    506.000   1397.700    521.700       .000       .000

          DOWNSTREAM END OF TRANSITION FOR SOSSAMAN RD. BOX
X1    916.610      4.000    475.000    525.000    343.000    343.000    343.000       .000       .000       .000
GR   1400.000    475.000   1390.540    494.000   1390.540    506.000   1400.000    525.000       .000       .000

          DOWNSTREAM END OF SOSSAMAN ROAD BOX
X1    916.960      4.000    489.500    510.500     35.000     35.000     35.000       .000       .000       .000
GR   1399.500    489.500   1392.990    489.500   1392.990    510.500   1399.500    510.500       .000       .000

SB      1.250      1.560      2.560       .000     21.000      1.000    120.000       .000   1394.120   1392.990
          UPSTREAM END OF SOSSAMAN RD. BOX
X1    918.640      4.000    489.500    510.500    168.000    168.000    168.000       .000       .000       .000
X2       .000       .000      1.000   1400.120   1401.120       .000       .000       .000       .000       .000
BT      4.000    475.000   1401.120   1400.120    489.500   1401.120   1400.120    510.500   1401.120   1400.120
BT    525.000   1401.120   1400.120       .000       .000       .000       .000       .000       .000       .000
GR   1400.500    489.500   1394.120    489.500   1394.120    510.500   1400.500    510.500       .000       .000

          UPSTREAM END OF TRANSITION SECTION ABOVE SOSSAMAN RD.
X1    919.050      4.000    475.000    525.000     41.000     41.000     41.000       .000       .000       .000
GR   1403.900    475.000   1394.390    494.000   1394.390    506.000   1403.900    525.000       .000       .000

          SLOPE BREAK AT BEGINING OF ACCESS RAMP
X1    927.010      4.000    475.000    525.000    797.000    797.000    797.000       .000       .000       .000
GR   1409.200    475.000   1399.730    494.000   1399.730    506.000   1409.200    525.000       .000       .000
```

X1	928.060	4.000	475.000	525.000	105.000	105.000	105.000	.000	.000	.000
GR	1409.500	475.000	1399.990	494.000	1399.990	506.000	1409.500	525.000	.000	.000
EJ	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

THIS RUN EXECUTED 07/06/88 16:40:12

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**************************************************
  HEC2 RELEASE DATED NOV 76 UPDATED MAY  1984
  ERROR CORR -  01,02,03,04,05,06
  MODIFICATION -  50,51,52,53,54,55,56
  IBM-PC-XT VERSION
**************************************************
```

T1 BACKWATER CURVE FROM THE RWCD TO THE UPSTREAM END OF
T2 CHANNEL #1. RANGE OF FLOWS
600 TO 1900 cfs
T3 DIVERSION TABLE DEPTHS

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-10.	3.	0.	0.	-1.000000	.00	.0	0.	1415.000	.000

J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	2.000	.000	-1.000	.000	.000	.000	.000	.000	.000	.000

THIS RUN EXECUTED 07/06/88 16:40:38

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**************************************************
  HEC2 RELEASE DATED NOV 76 UPDATED MAY  1984
  ERROR CORR -  01,02,03,04,05,06
  MODIFICATION -  50,51,52,53,54,55,56
  IBM-PC-XT VERSION
**************************************************
```

T1 BACKWATER CURVE FROM THE RWCD TO THE UPSTREAM END OF
T2 CHANNEL #1. RANGE OF FLOWS
600 TO 1900 cfs
T3 DIVERSION TABLE DEPTHS

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-10.	4.	0.	0.	-1.000000	.00	.0	0.	1415.000	.000
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	3.000	.000	-1.000	.000	.000	.000	.000	.000	.000	.000

THIS RUN EXECUTED 07/06/88 16:41:04

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**************************************************
  HEC2 RELEASE DATED NOV 76 UPDATED MAY  1984
  ERROR CORR -  01,02,03,04,05,06
  MODIFICATION -  50,51,52,53,54,55,56
  IBM-PC-XT VERSION
**************************************************
```

T1 BACKWATER CURVE FROM THE RWCD TO THE UPSTREAM END OF
T2 CHANNEL #1. RANGE OF FLOWS
600 TO 1900 cfs
T3 DIVERSION TABLE DEPTHS

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-10.	5.	0.	0.	-1.000000	.00	.0	0.	1415.000	.000
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	4.000	.000	-1.000	.000	.000	.000	.000	.000	.000	.000

THIS RUN EXECUTED 07/06/88 16:41:30

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**************************************************
  HEC2 RELEASE DATED NOV 76 UPDATED MAY  1984
  ERROR CORR -  01,02,03,04,05,06
  MODIFICATION -  50,51,52,53,54,55,56
  IBM-PC-XT VERSION
**************************************************
```

T1 BACKWATER CURVE FROM THE RWCD TO THE UPSTREAM END OF
T2 CHANNEL #1. RANGE OF FLOWS
600 TO 1900 cfs
T3 DIVERSION TABLE DEPTHS

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-10.	6.	0.	0.	-1.000000	.00	.0	0.	1415.000	.000

J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	5.000	.000	-1.000	.000	.000	.000	.000	.000	.000	.000

THIS RUN EXECUTED 07/06/88 16:41:56

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**************************************************
  HEC2 RELEASE DATED NOV 76 UPDATED MAY  1984
  ERROR CORR -  01,02,03,04,05,06
  MODIFICATION -  50,51,52,53,54,55,56
  IBM-PC-XT VERSION
**************************************************
```

T1 BACKWATER CURVE FROM THE RWCD TO THE UPSTREAM END OF
T2 CHANNEL #1. RANGE OF FLOWS
600 TO 1900 cfs
T3 DIVERSION TABLE DEPTHS

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-10.	7.	0.	0.	-1.000000	.00	.0	0.	1415.000	.000
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	6.000	.000	-1.000	.000	.000	.000	.000	.000	.000	.000

THIS RUN EXECUTED 07/06/88 16:42:25

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**************************************************
  HEC2 RELEASE DATED NOV 76 UPDATED MAY  1984
  ERROR CORR -  01,02,03,04,05,06
  MODIFICATION -  50,51,52,53,54,55,56
  IBM-PC-XT VERSION
**************************************************
```

T1 BACKWATER CURVE FROM THE RWCD TO THE UPSTREAM END OF
T2 CHANNEL #1. RANGE OF FLOWS
600 TO 1900 cfs
T3 DIVERSION TABLE DEPTHS

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-10.	8.	0.	0.	-1.000000	.00	.0	0.	1415.000	.000
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	7.000	.000	-1.000	.000	.000	.000	.000	.000	.000	.000

THIS RUN EXECUTED 07/06/88 16:42:54

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**************************************************
  HEC2 RELEASE DATED NOV 76 UPDATED MAY  1984
  ERROR CORR -  01,02,03,04,05,06
  MODIFICATION -  50,51,52,53,54,55,56
  IBM-PC-XT VERSION
**************************************************
```

T1 BACKWATER CURVE FROM THE RWCD TO THE UPSTREAM END OF
T2 CHANNEL #1. RANGE OF FLOWS
600 TO 1900 cfs
T3 DIVERSION TABLE DEPTHS

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-10.	9.	0.	0.	-1.000000	.00	.0	0.	1415.000	.000
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	8.000	.000	-1.000	.000	.000	.000	.000	.000	.000	.000

THIS RUN EXECUTED 07/06/88 16:43:24

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**************************************************
  HEC2 RELEASE DATED NOV 76 UPDATED MAY  1984
  ERROR CORR -  01,02,03,04,05,06
  MODIFICATION -  50,51,52,53,54,55,56
  IBM-PC-XT VERSION
**************************************************
```

T1 BACKWATER CURVE FROM THE RWCD TO THE UPSTREAM END OF
T2 CHANNEL #1. RANGE OF FLOWS
600 TO 1900 cfs
T3 DIVERSION TABLE DEPTHS

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-10.	10.	0.	0.	-1.000000	.00	.0	0.	1415.000	.000
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	9.000	.000	-1.000	.000	.000	.000	.000	.000	.000	.000

THIS RUN EXECUTED 07/06/88 16:43:52

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**************************************************
  HEC2 RELEASE DATED NOV 76 UPDATED MAY  1984
  ERROR CORR -  01,02,03,04,05,06
  MODIFICATION -  50,51,52,53,54,55,56
  IBM-PC-XT VERSION
**************************************************
```

T1 BACKWATER CURVE FROM THE RWCD TO THE UPSTREAM END OF
T2 CHANNEL #1. RANGE OF FLOWS
600 TO 1900 cfs
T3 DIVERSION TABLE DEPTHS

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-10.	11.	0.	0.	-1.000000	.00	.0	0.	1415.000	.000
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	10.000	.000	-1.000	.000	.000	.000	.000	.000	.000	.000

THIS RUN EXECUTED 07/06/88 16:44:22

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**************************************************
  HEC2 RELEASE DATED NOV 76 UPDATED MAY  1984
  ERROR CORR -  01,02,03,04,05,06
  MODIFICATION -  50,51,52,53,54,55,56
  IBM-PC-XT VERSION
**************************************************
```

T1 BACKWATER CURVE FROM THE RWCD TO THE UPSTREAM END OF
T2 CHANNEL #1. RANGE OF FLOWS
600 TO 1900 cfs
T3 DIVERSION TABLE DEPTHS

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-10.	12.	0.	0.	-1.000000	.00	.0	0.	1415.000	.000
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	11.000	.000	-1.000	.000	.000	.000	.000	.000	.000	.000

THIS RUN EXECUTED 07/06/88 16:44:51

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**************************************************
  HEC2 RELEASE DATED NOV 76 UPDATED MAY  1984
  ERROR CORR -  01,02,03,04,05,06
  MODIFICATION -  50,51,52,53,54,55,56
  IBM-PC-XT VERSION
**************************************************
```

T1 BACKWATER CURVE FROM THE RWCD TO THE UPSTREAM END OF
T2 CHANNEL #1. RANGE OF FLOWS
600 TO 1900 cfs
T3 DIVERSION TABLE DEPTHS

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-10.	13.	0.	0.	-1.000000	.00	.0	0.	1415.000	.000
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	12.000	.000	-1.000	.000	.000	.000	.000	.000	.000	.000

THIS RUN EXECUTED 07/06/88 16:45:21

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**************************************************
  HEC2 RELEASE DATED NOV 76 UPDATED MAY  1984
  ERROR CORR -  01,02,03,04,05,06
  MODIFICATION -  50,51,52,53,54,55,56
  IBM-PC-XT VERSION
**************************************************
```

T1 BACKWATER CURVE FROM THE RWCD TO THE UPSTREAM END OF
T2 CHANNEL #1. RANGE OF FLOWS
600 TO 1900 cfs
T3 DIVERSION TABLE DEPTHS

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-10.	14.	0.	0.	-1.000000	.00	.0	0.	1415.000	.000
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	13.000	.000	-1.000	.000	.000	.000	.000	.000	.000	.000

THIS RUN EXECUTED 07/06/88 16:45:50

```
**************************************************
  HEC2 RELEASE DATED NOV 76 UPDATED MAY  1984
  ERROR CORR -  01,02,03,04,05,06
  MODIFICATION -  50,51,52,53,54,55,56
  IBM-PC-XT VERSION
**************************************************
```

T1 BACKWATER CURVE FROM THE RWCD TO THE UPSTREAM END OF
T2 CHANNEL #1. RANGE OF FLOWS
600 TO 1900 cfs
T3 DIVERSION TABLE DEPTHS

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-10.	15.	0.	0.	-1.000000	.00	.0	0.	1415.000	.000
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	15.000	.000	-1.000	.000	.000	.000	.000	.000	.000	.000

THIS RUN EXECUTED 07/06/88 16:46:21

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**************************************************
  HEC2 RELEASE DATED NOV 76 UPDATED MAY  1984
  ERROR CORR -  01,02,03,04,05,06
  MODIFICATION -  50,51,52,53,54,55,56
  IBM-PC-XT VERSION
**************************************************
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NOTE- ASTERISK (*) AT LEFT OF CROSS-SECTION NUMBER INDICATES MESSAGE IN SUMMARY OF ERRORS LIST

Q RANGES FROM 600 TO 19

SUMMARY PRINTOUT TABLE 105

	SECNO	CWSEL	HL	OLOSS	TOPWID	QLOB	QCH	QROB
*	863.910	1360.29	1.30	.00	26.44	.00	600.00	.00
*	863.910	1360.45	1.28	.00	27.03	.00	650.00	.00
*	863.910	1360.59	1.27	.00	27.60	.00	700.00	.00
*	863.910	1360.76	1.25	.00	28.21	.00	750.00	.00
*	863.910	1360.89	1.24	.00	28.74	.00	800.00	.00
*	863.910	1361.03	1.23	.00	29.25	.00	850.00	.00
*	863.910	1361.16	1.22	.00	29.75	.00	900.00	.00
*	863.910	1361.29	1.21	.00	30.24	.00	950.00	.00
*	863.910	1361.41	1.20	.00	30.71	.00	1000.00	.00
*	863.910	1361.54	1.19	.00	31.17	.00	1050.00	.00
*	863.910	1361.65	1.19	.00	31.62	.00	1100.00	.00
*	863.910	1361.77	1.18	.00	32.06	.00	1150.00	.00
*	863.910	1361.88	1.17	.00	32.49	.00	1200.00	.00
*	863.910	1361.99	1.17	.00	32.90	.00	1250.00	.00
	864.210	1360.54	.08	.02	21.00	.00	600.00	.00
	864.210	1360.54	.09	.00	21.00	.00	650.00	.00
	864.210	1360.64	.09	.02	21.00	.00	700.00	.00
	864.210	1360.73	.09	.05	21.00	.00	750.00	.00
	864.210	1360.81	.09	.08	21.00	.00	800.00	.00
*	864.210	1360.86	.10	.11	21.00	.00	850.00	.00
*	864.210	1361.01	.10	.12	21.00	.00	900.00	.00
*	864.210	1361.15	.10	.13	21.00	.00	950.00	.00
*	864.210	1361.28	.10	.14	21.00	.00	1000.00	.00
*	864.210	1361.42	.09	.15	21.00	.00	1050.00	.00
*	864.210	1361.57	.09	.16	21.00	.00	1100.00	.00
*	864.210	1361.70	.09	.17	21.00	.00	1150.00	.00
*	864.210	1361.83	.09	.18	21.00	.00	1200.00	.00
*	864.210	1361.96	.09	.19	21.00	.00	1250.00	.00

	SECNO	CWSEL	HL	OLOSS	TOPWID	QLOB	QCH	QROB
*	865.570	1361.76	1.00	.00	21.00	.00	600.00	.00
*	865.570	1361.97	1.06	.00	21.00	.00	650.00	.00
*	865.570	1362.17	1.09	.00	21.00	.00	700.00	.00
*	865.570	1362.36	1.11	.00	21.00	.00	750.00	.00
*	865.570	1362.56	1.14	.00	21.00	.00	800.00	.00
*	865.570	1362.74	1.15	.00	21.00	.00	850.00	.00
*	865.570	1362.93	1.16	.00	21.00	.00	900.00	.00
*	865.570	1363.11	1.17	.00	21.00	.00	950.00	.00
*	865.570	1363.29	1.18	.00	21.00	.00	1000.00	.00
*	865.570	1363.46	1.19	.00	21.00	.00	1050.00	.00
*	865.570	1363.63	1.21	.00	21.00	.00	1100.00	.00
*	865.570	1363.80	1.22	.00	21.00	.00	1150.00	.00
*	865.570	1363.97	1.23	.00	21.00	.00	1200.00	.00
*	865.570	1364.14	1.24	.00	21.54	.00	1250.00	.00
	866.070	1362.11	.07	.03	31.63	.00	600.00	.00
	866.070	1362.38	.07	.03	32.71	.00	650.00	.00
	866.070	1362.64	.07	.04	33.75	.00	700.00	.00
	866.070	1362.89	.06	.04	34.77	.00	750.00	.00
	866.070	1363.14	.06	.05	35.76	.00	800.00	.00
	866.070	1363.39	.06	.05	36.73	.00	850.00	.00
	866.070	1363.62	.06	.06	37.68	.00	900.00	.00
	866.070	1363.86	.06	.06	38.61	.00	950.00	.00
	866.070	1364.09	.05	.07	39.53	.00	1000.00	.00
	866.070	1364.31	.05	.07	40.43	.00	1050.00	.00
	866.070	1364.53	.05	.08	41.32	.00	1100.00	.00
	866.070	1364.75	.05	.08	42.19	.00	1150.00	.00
	866.070	1364.97	.05	.09	43.05	.00	1200.00	.00
	866.070	1365.18	.05	.09	43.89	.00	1250.00	.00
	871.830	1365.21	.02	.06	32.92	.00	600.00	.00
	871.830	1365.37	.02	.05	33.48	.00	650.00	.00
	871.830	1365.52	.01	.05	33.99	.00	700.00	.00
	871.830	1365.67	.02	.06	34.50	.00	750.00	.00
	871.830	1365.83	.02	.07	35.04	.00	800.00	.00
	871.830	1365.98	.02	.07	35.53	.00	850.00	.00
	871.830	1366.12	.02	.08	36.01	.00	900.00	.00
	871.830	1366.25	.02	.08	36.47	.00	950.00	.00
	871.830	1366.38	.02	.08	36.91	.00	1000.00	.00
	871.830	1366.51	.02	.08	37.35	.00	1050.00	.00
	871.830	1366.64	.02	.08	37.78	.00	1100.00	.00
	871.830	1366.77	.02	.08	38.26	.00	1150.00	.00
	871.830	1366.89	.02	.08	38.67	.00	1200.00	.00
	871.830	1367.01	.02	.08	39.07	.00	1250.00	.00

SECNO	CWSEL	HL	OLOSS	TOPWID	QLOB	QCH	QROB
871.930	1365.22	.01	.00	32.89	.00	600.00	.00
871.930	1365.38	.01	.00	33.43	.00	650.00	.00
871.930	1365.53	.01	.00	33.93	.00	700.00	.00
871.930	1365.68	.01	.00	34.45	.00	750.00	.00
871.930	1365.84	.01	.00	35.01	.00	800.00	.00
871.930	1365.99	.01	.00	35.50	.00	850.00	.00
871.930	1366.13	.01	.00	35.98	.00	900.00	.00
871.930	1366.27	.01	.00	36.44	.00	950.00	.00
871.930	1366.39	.01	.00	36.88	.00	1000.00	.00
871.930	1366.52	.01	.00	37.32	.00	1050.00	.00
871.930	1366.65	.01	.00	37.75	.00	1100.00	.00
871.930	1366.78	.01	.00	38.17	.00	1150.00	.00
871.930	1366.90	.01	.00	38.59	.00	1200.00	.00
871.930	1367.01	.01	.00	38.98	.00	1250.00	.00
871.970	1365.22	.00	.00	32.87	.00	600.00	.00
871.970	1365.38	.00	.00	33.38	.00	650.00	.00
871.970	1365.53	.00	.00	33.89	.00	700.00	.00
871.970	1365.68	.00	.00	34.40	.00	750.00	.00
871.970	1365.98	.09	.00	35.43	.00	800.00	.00
871.970	1366.23	.16	.00	36.30	.00	850.00	.00
871.970	1366.49	.24	.00	37.18	.00	900.00	.00
871.970	1366.75	.33	.00	38.07	.00	950.00	.00
871.970	1367.01	.42	.00	38.94	.00	1000.00	.00
871.970	1367.28	.51	.00	39.85	.00	1050.00	.00
871.970	1367.55	.62	.00	40.81	.00	1100.00	.00
871.970	1367.83	.73	.00	41.74	.00	1150.00	.00
871.970	1368.10	.85	.00	42.68	.00	1200.00	.00
871.970	1368.38	.97	.00	43.61	.00	1250.00	.00
872.020	1365.22	.01	.00	32.84	.00	600.00	.00
872.020	1365.38	.01	.00	33.38	.00	650.00	.00
872.020	1365.53	.01	.00	33.89	.00	700.00	.00
872.020	1365.68	.01	.00	34.40	.00	750.00	.00
872.020	1365.98	.00	.00	35.43	.00	800.00	.00
872.020	1366.24	.00	.00	36.30	.00	850.00	.00
872.020	1366.49	.00	.00	37.18	.00	900.00	.00
872.020	1366.76	.00	.00	38.06	.00	950.00	.00
872.020	1367.01	.00	.00	38.94	.00	1000.00	.00
872.020	1367.28	.00	.00	39.85	.00	1050.00	.00
872.020	1367.55	.00	.00	40.78	.00	1100.00	.00
872.020	1367.83	.00	.00	41.71	.00	1150.00	.00
872.020	1368.10	.00	.00	42.66	.00	1200.00	.00
872.020	1368.38	.00	.00	43.60	.00	1250.00	.00

SECNO	CWSEL	HL	OLOSS	TOPWID	QLOB	QCH	QROB
878.950	1368.69	.01	.04	32.96	.00	600.00	.00
878.950	1368.86	.01	.04	33.54	.00	650.00	.00
878.950	1369.02	.01	.04	34.09	.00	700.00	.00
878.950	1369.18	.01	.04	34.62	.00	750.00	.00
878.950	1369.33	.01	.04	35.14	.00	800.00	.00
878.950	1369.47	.01	.04	35.63	.00	850.00	.00
878.950	1369.61	.01	.04	36.11	.00	900.00	.00
878.950	1369.75	.01	.05	36.57	.00	950.00	.00
878.950	1369.88	.01	.05	37.02	.00	1000.00	.00
878.950	1370.01	.01	.05	37.45	.00	1050.00	.00
878.950	1370.13	.01	.05	37.87	.00	1100.00	.00
878.950	1370.26	.01	.05	38.29	.00	1150.00	.00
878.950	1370.37	.01	.05	38.69	.00	1200.00	.00
878.950	1370.49	.01	.04	39.08	.00	1250.00	.00
879.050	1368.69	.01	.00	32.92	.00	600.00	.00
879.050	1368.87	.01	.00	33.51	.00	650.00	.00
879.050	1369.03	.01	.00	34.06	.00	700.00	.00
879.050	1369.18	.01	.00	34.59	.00	750.00	.00
879.050	1369.34	.01	.00	35.10	.00	800.00	.00
879.050	1369.48	.01	.00	35.60	.00	850.00	.00
879.050	1369.62	.01	.00	36.07	.00	900.00	.00
879.050	1369.76	.01	.00	36.53	.00	950.00	.00
879.050	1369.89	.01	.00	36.98	.00	1000.00	.00
879.050	1370.02	.01	.00	37.42	.00	1050.00	.00
879.050	1370.14	.01	.00	37.83	.00	1100.00	.00
879.050	1370.27	.01	.00	38.26	.00	1150.00	.00
879.050	1370.38	.01	.00	38.66	.00	1200.00	.00
879.050	1370.50	.01	.00	39.04	.00	1250.00	.00
879.090	1368.70	.00	.00	32.90	.00	600.00	.00
879.090	1368.87	.00	.00	33.47	.00	650.00	.00
879.090	1369.03	.00	.00	34.02	.00	700.00	.00
879.090	1369.19	.00	.00	34.55	.00	750.00	.00
879.090	1369.34	.00	.00	35.07	.00	800.00	.00
879.090	1369.48	.00	.00	35.56	.00	850.00	.00
879.090	1369.62	.00	.00	36.04	.00	900.00	.00
879.090	1369.91	.10	.00	37.03	.00	950.00	.00
879.090	1370.15	.17	.00	37.82	.00	1000.00	.00
879.090	1370.38	.24	.00	38.62	.00	1050.00	.00
879.090	1370.62	.31	.00	39.41	.00	1100.00	.00
879.090	1370.86	.39	.00	40.24	.00	1150.00	.00
879.090	1371.10	.48	.00	41.05	.00	1200.00	.00
879.090	1371.34	.57	.00	41.87	.00	1250.00	.00

	SECNO	CWSEL	HL	OLOSS	TOPWID	QLOB	QCH	QROB
	879.140	1368.70	.01	.00	32.89	.00	600.00	.00
	879.140	1368.87	.01	.00	33.47	.00	650.00	.00
	879.140	1369.03	.01	.00	34.02	.00	700.00	.00
	879.140	1369.19	.01	.00	34.55	.00	750.00	.00
	879.140	1369.34	.01	.00	35.06	.00	800.00	.00
	879.140	1369.49	.01	.00	35.56	.00	850.00	.00
	879.140	1369.63	.01	.00	36.04	.00	900.00	.00
	879.140	1369.92	.00	.00	37.02	.00	950.00	.00
	879.140	1370.15	.00	.00	37.82	.00	1000.00	.00
	879.140	1370.38	.00	.00	38.61	.00	1050.00	.00
	879.140	1370.62	.00	.00	39.41	.00	1100.00	.00
	879.140	1370.86	.00	.00	40.24	.00	1150.00	.00
	879.140	1371.10	.00	.00	41.05	.00	1200.00	.00
	879.140	1371.34	.00	.00	41.87	.00	1250.00	.00
*	883.480	1372.86	.14	.00	28.38	.00	600.00	.00
*	883.480	1373.01	.14	.00	28.98	.00	650.00	.00
*	883.480	1373.15	.14	.00	29.55	.00	700.00	.00
*	883.480	1373.29	.14	.00	30.10	.00	750.00	.00
*	883.480	1373.42	.14	.00	30.64	.00	800.00	.00
*	883.480	1373.55	.14	.00	31.16	.00	850.00	.00
*	883.480	1373.68	.14	.00	31.67	.00	900.00	.00
*	883.480	1373.80	.14	.00	32.16	.00	950.00	.00
*	883.480	1373.92	.13	.00	32.64	.00	1000.00	.00
*	883.480	1374.03	.13	.00	33.11	.00	1050.00	.00
*	883.480	1374.14	.13	.00	33.56	.00	1100.00	.00
*	883.480	1374.26	.13	.00	34.01	.00	1150.00	.00
*	883.480	1374.36	.13	.00	34.44	.00	1200.00	.00
*	883.480	1374.47	.13	.00	34.87	.00	1250.00	.00
	883.730	1373.41	.05	.04	25.00	.00	600.00	.00
	883.730	1373.53	.05	.04	25.00	.00	650.00	.00
	883.730	1373.65	.05	.04	25.00	.00	700.00	.00
	883.730	1373.75	.06	.04	25.00	.00	750.00	.00
	883.730	1373.82	.06	.03	25.00	.00	800.00	.00
	883.730	1373.90	.06	.03	25.00	.00	850.00	.00
	883.730	1373.96	.06	.02	25.00	.00	900.00	.00
	883.730	1374.02	.06	.01	25.00	.00	950.00	.00
	883.730	1373.98	.07	.00	25.00	.00	1000.00	.00
	883.730	1374.06	.07	.02	25.00	.00	1050.00	.00
	883.730	1374.13	.07	.04	25.00	.00	1100.00	.00
	883.730	1374.19	.07	.06	25.00	.00	1150.00	.00
	883.730	1374.24	.07	.08	25.00	.00	1200.00	.00
	883.730	1374.29	.07	.11	25.00	.00	1250.00	.00

	SECNO	CWSEL	HL	OLOSS	TOPWID	QLOB	QCH	QROB
	885.110	1373.63	.65	.00	25.00	.00	600.00	.00
	885.110	1373.78	.67	.00	25.00	.00	650.00	.00
	885.110	1373.93	.69	.00	25.00	.00	700.00	.00
	885.110	1374.07	.72	.00	25.00	.00	750.00	.00
	885.110	1374.20	.75	.00	25.00	.00	800.00	.00
*	885.110	1375.03	1.00	.00	25.00	.00	850.00	.00
*	885.110	1375.19	1.05	.00	25.00	.00	900.00	.00
*	885.110	1375.34	1.09	.00	25.00	.00	950.00	.00
*	885.110	1375.50	1.14	.00	25.00	.00	1000.00	.00
*	885.110	1375.65	1.15	.00	25.00	.00	1050.00	.00
*	885.110	1375.80	1.17	.00	25.00	.00	1100.00	.00
*	885.110	1375.95	1.19	.00	25.00	.00	1150.00	.00
*	885.110	1376.10	1.21	.00	25.00	.00	1200.00	.00
*	885.110	1376.24	1.22	.00	25.00	.00	1250.00	.00
*	885.370	1374.51	.08	.03	25.68	.00	600.00	.00
*	885.370	1374.66	.08	.03	26.30	.00	650.00	.00
*	885.370	1374.82	.08	.02	26.91	.00	700.00	.00
*	885.370	1374.97	.08	.02	27.49	.00	750.00	.00
*	885.370	1375.11	.08	.01	28.05	.00	800.00	.00
*	885.370	1375.25	.06	.14	28.60	.00	850.00	.00
*	885.370	1375.40	.06	.14	29.19	.00	900.00	.00
*	885.370	1375.52	.06	.14	29.68	.00	950.00	.00
*	885.370	1375.65	.06	.14	30.16	.00	1000.00	.00
*	885.370	1375.76	.06	.14	30.62	.00	1050.00	.00
*	885.370	1375.88	.06	.14	31.07	.00	1100.00	.00
*	885.370	1375.98	.06	.14	31.49	.00	1150.00	.00
*	885.370	1376.13	.06	.13	32.05	.00	1200.00	.00
*	885.370	1376.24	.06	.13	32.50	.00	1250.00	.00
	889.980	1377.82	.01	.06	34.38	.00	600.00	.00
	889.980	1378.00	.01	.07	34.98	.00	650.00	.00
	889.980	1378.18	.01	.07	35.56	.00	700.00	.00
	889.980	1378.36	.01	.07	36.11	.00	750.00	.00
	889.980	1378.52	.01	.07	36.65	.00	800.00	.00
	889.980	1378.68	.01	.07	37.16	.00	850.00	.00
	889.980	1378.84	.01	.08	37.66	.00	900.00	.00
	889.980	1378.99	.01	.08	38.14	.00	950.00	.00
	889.980	1379.14	.01	.08	38.61	.00	1000.00	.00
	889.980	1379.28	.01	.08	39.06	.00	1050.00	.00
	889.980	1379.41	.01	.08	39.50	.00	1100.00	.00
	889.980	1379.55	.01	.08	39.92	.00	1150.00	.00
	889.980	1379.68	.01	.08	40.35	.00	1200.00	.00
	889.980	1379.81	.01	.08	40.75	.00	1250.00	.00

SECNO	CWSEL	HL	OLOSS	TOPWID	QLOB	QCH	QROB
890.080	1377.82	.01	.00	34.33	.00	600.00	.00
890.080	1378.01	.01	.00	34.93	.00	650.00	.00
890.080	1378.19	.01	.00	35.51	.00	700.00	.00
890.080	1378.36	.01	.00	36.07	.00	750.00	.00
890.080	1378.53	.01	.00	36.60	.00	800.00	.00
890.080	1378.69	.01	.00	37.12	.00	850.00	.00
890.080	1378.85	.01	.00	37.62	.00	900.00	.00
890.080	1379.00	.01	.00	38.10	.00	950.00	.00
890.080	1379.14	.01	.00	38.56	.00	1000.00	.00
890.080	1379.28	.01	.00	39.01	.00	1050.00	.00
890.080	1379.42	.01	.00	39.45	.00	1100.00	.00
890.080	1379.55	.01	.00	39.88	.00	1150.00	.00
890.080	1379.68	.01	.00	40.30	.00	1200.00	.00
890.080	1379.81	.01	.00	40.70	.00	1250.00	.00
890.120	1377.82	.00	.00	34.33	.00	600.00	.00
890.120	1378.01	.00	.00	34.91	.00	650.00	.00
890.120	1378.19	.00	.00	35.49	.00	700.00	.00
890.120	1378.36	.00	.00	36.04	.00	750.00	.00
890.120	1378.53	.00	.00	36.57	.00	800.00	.00
890.120	1378.69	.00	.00	37.09	.00	850.00	.00
890.120	1378.85	.00	.00	37.59	.00	900.00	.00
890.120	1379.00	.00	.00	38.07	.00	950.00	.00
890.120	1379.14	.00	.00	38.54	.00	1000.00	.00
890.120	1379.28	.00	.00	38.99	.00	1050.00	.00
890.120	1379.42	.00	.00	39.42	.00	1100.00	.00
890.120	1379.77	.16	.00	40.56	.00	1150.00	.00
890.120	1379.96	.21	.00	41.19	.00	1200.00	.00
890.120	1380.16	.26	.00	41.81	.00	1250.00	.00
890.170	1377.82	.00	.00	34.31	.00	600.00	.00
890.170	1378.01	.00	.00	34.90	.00	650.00	.00
890.170	1378.19	.00	.00	35.48	.00	700.00	.00
890.170	1378.37	.00	.00	36.04	.00	750.00	.00
890.170	1378.53	.00	.00	36.57	.00	800.00	.00
890.170	1378.69	.00	.00	37.09	.00	850.00	.00
890.170	1378.85	.00	.00	37.59	.00	900.00	.00
890.170	1379.00	.00	.00	38.07	.00	950.00	.00
890.170	1379.15	.00	.00	38.53	.00	1000.00	.00
890.170	1379.29	.00	.00	38.99	.00	1050.00	.00
890.170	1379.42	.00	.00	39.42	.00	1100.00	.00
890.170	1379.77	.00	.00	40.53	.00	1150.00	.00
890.170	1379.96	.00	.00	41.16	.00	1200.00	.00
890.170	1380.16	.00	.00	41.79	.00	1250.00	.00

SECNO	CWSEL	HL	OLOSS	TOPWID	QLOB	QCH	QROB
896.780	1383.45	.01	.07	34.28	.00	600.00	.00
896.780	1383.63	.01	.07	34.88	.00	650.00	.00
896.780	1383.81	.01	.07	35.46	.00	700.00	.00
896.780	1383.99	.01	.07	36.01	.00	750.00	.00
896.780	1384.15	.01	.07	36.54	.00	800.00	.00
896.780	1384.32	.01	.08	37.06	.00	850.00	.00
896.780	1384.47	.01	.08	37.55	.00	900.00	.00
896.780	1384.62	.01	.08	38.03	.00	950.00	.00
896.780	1384.77	.01	.08	38.50	.00	1000.00	.00
896.780	1384.91	.01	.08	38.95	.00	1050.00	.00
896.780	1385.05	.01	.09	39.39	.00	1100.00	.00
896.780	1385.18	.01	.09	39.81	.00	1150.00	.00
896.780	1385.31	.01	.09	40.23	.00	1200.00	.00
896.780	1385.44	.01	.08	40.63	.00	1250.00	.00
896.880	1383.45	.01	.00	34.28	.00	600.00	.00
896.880	1383.64	.01	.00	34.88	.00	650.00	.00
896.880	1383.82	.01	.00	35.46	.00	700.00	.00
896.880	1383.99	.01	.00	36.01	.00	750.00	.00
896.880	1384.16	.01	.00	36.54	.00	800.00	.00
896.880	1384.32	.01	.00	37.06	.00	850.00	.00
896.880	1384.48	.01	.00	37.55	.00	900.00	.00
896.880	1384.63	.01	.00	38.04	.00	950.00	.00
896.880	1384.77	.01	.00	38.50	.00	1000.00	.00
896.880	1384.92	.01	.00	38.96	.00	1050.00	.00
896.880	1385.05	.01	.00	39.40	.00	1100.00	.00
896.880	1385.19	.01	.00	39.82	.00	1150.00	.00
896.880	1385.32	.01	.00	40.24	.00	1200.00	.00
896.880	1385.44	.01	.00	40.64	.00	1250.00	.00
896.920	1383.45	.00	.00	34.28	.00	600.00	.00
896.920	1383.64	.00	.00	34.85	.00	650.00	.00
896.920	1383.82	.00	.00	35.44	.00	700.00	.00
896.920	1383.99	.00	.00	35.99	.00	750.00	.00
896.920	1384.34	.15	.00	37.13	.00	800.00	.00
896.920	1384.58	.20	.00	37.89	.00	850.00	.00
896.920	1384.82	.27	.00	38.64	.00	900.00	.00
896.920	1385.05	.34	.00	39.40	.00	950.00	.00
896.920	1385.29	.41	.00	40.17	.00	1000.00	.00
896.920	1385.53	.49	.00	40.94	.00	1050.00	.00
896.920	1385.78	.57	.00	41.72	.00	1100.00	.00
896.920	1386.02	.66	.00	42.50	.00	1150.00	.00
896.920	1386.27	.76	.00	43.29	.00	1200.00	.00
896.920	1386.51	.86	.00	44.07	.00	1250.00	.00

SECNO	CWSEL	HL	OLOSS	TOPWID	QLOB	QCH	QROB
896.970	1383.45	.00	.00	34.20	.00	600.00	.00
896.970	1383.64	.00	.00	34.79	.00	650.00	.00
896.970	1383.82	.00	.00	35.38	.00	700.00	.00
896.970	1384.00	.00	.00	35.93	.00	750.00	.00
896.970	1384.34	.00	.00	37.05	.00	800.00	.00
896.970	1384.58	.00	.00	37.80	.00	850.00	.00
896.970	1384.82	.00	.00	38.56	.00	900.00	.00
896.970	1385.05	.00	.00	39.32	.00	950.00	.00
896.970	1385.29	.00	.00	40.08	.00	1000.00	.00
896.970	1385.54	.00	.00	40.85	.00	1050.00	.00
896.970	1385.78	.00	.00	41.63	.00	1100.00	.00
896.970	1386.02	.00	.00	42.41	.00	1150.00	.00
896.970	1386.27	.00	.00	43.20	.00	1200.00	.00
896.970	1386.51	.00	.00	43.98	.00	1250.00	.00
902.720	1387.09	.01	.07	34.32	.00	600.00	.00
902.720	1387.28	.01	.07	34.93	.00	650.00	.00
902.720	1387.46	.01	.07	35.51	.00	700.00	.00
902.720	1387.63	.01	.08	36.06	.00	750.00	.00
902.720	1387.80	.01	.08	36.60	.00	800.00	.00
902.720	1387.96	.01	.07	37.12	.00	850.00	.00
902.720	1388.12	.01	.08	37.62	.00	900.00	.00
902.720	1388.27	.01	.08	38.10	.00	950.00	.00
902.720	1388.42	.01	.08	38.57	.00	1000.00	.00
902.720	1388.56	.01	.08	39.02	.00	1050.00	.00
902.720	1388.70	.01	.08	39.46	.00	1100.00	.00
902.720	1388.83	.01	.08	39.89	.00	1150.00	.00
902.720	1388.96	.01	.09	40.30	.00	1200.00	.00
902.720	1389.09	.01	.09	40.72	.00	1250.00	.00
902.820	1387.10	.01	.00	34.34	.00	600.00	.00
902.820	1387.28	.01	.00	34.94	.00	650.00	.00
902.820	1387.47	.01	.00	35.52	.00	700.00	.00
902.820	1387.64	.01	.00	36.08	.00	750.00	.00
902.820	1387.81	.01	.00	36.62	.00	800.00	.00
902.820	1387.97	.01	.00	37.13	.00	850.00	.00
902.820	1388.13	.01	.00	37.63	.00	900.00	.00
902.820	1388.28	.01	.00	38.11	.00	950.00	.00
902.820	1388.42	.01	.00	38.58	.00	1000.00	.00
902.820	1388.57	.01	.00	39.03	.00	1050.00	.00
902.820	1388.70	.01	.00	39.48	.00	1100.00	.00
902.820	1388.84	.01	.00	39.91	.00	1150.00	.00
902.820	1388.97	.01	.00	40.32	.00	1200.00	.00
902.820	1389.10	.01	.00	40.74	.00	1250.00	.00

SECNO	CWSEL	HL	OLOSS	TOPWID	QLOB	QCH	QROB
902.860	1387.10	.00	.00	34.32	.00	600.00	.00
902.860	1387.28	.00	.00	34.90	.00	650.00	.00
902.860	1387.47	.00	.00	35.48	.00	700.00	.00
902.860	1387.64	.00	.00	36.04	.00	750.00	.00
902.860	1387.81	.00	.00	36.58	.00	800.00	.00
902.860	1387.97	.00	.00	37.10	.00	850.00	.00
902.860	1388.13	.00	.00	37.60	.00	900.00	.00
902.860	1388.50	.18	.00	38.82	.00	950.00	.00
902.860	1388.72	.23	.00	39.52	.00	1000.00	.00
902.860	1388.94	.29	.00	40.22	.00	1050.00	.00
902.860	1389.16	.36	.00	40.93	.00	1100.00	.00
902.860	1389.38	.42	.00	41.63	.00	1150.00	.00
902.860	1389.60	.50	.00	42.34	.00	1200.00	.00
902.860	1389.83	.57	.00	43.07	.00	1250.00	.00
902.910	1387.10	.00	.00	34.29	.00	600.00	.00
902.910	1387.29	.00	.00	34.89	.00	650.00	.00
902.910	1387.47	.00	.00	35.48	.00	700.00	.00
902.910	1387.64	.00	.00	36.04	.00	750.00	.00
902.910	1387.81	.00	.00	36.58	.00	800.00	.00
902.910	1387.97	.00	.00	37.09	.00	850.00	.00
902.910	1388.13	.00	.00	37.59	.00	900.00	.00
902.910	1388.50	.00	.00	38.80	.00	950.00	.00
902.910	1388.72	.00	.00	39.50	.00	1000.00	.00
902.910	1388.94	.00	.00	40.20	.00	1050.00	.00
902.910	1389.16	.00	.00	40.91	.00	1100.00	.00
902.910	1389.38	.00	.00	41.62	.00	1150.00	.00
902.910	1389.60	.00	.00	42.33	.00	1200.00	.00
902.910	1389.83	.00	.00	43.05	.00	1250.00	.00
906.660	1390.67	.01	.06	34.36	.00	600.00	.00
906.660	1390.86	.01	.07	34.97	.00	650.00	.00
906.660	1391.04	.01	.07	35.55	.00	700.00	.00
906.660	1391.22	.01	.07	36.11	.00	750.00	.00
906.660	1391.39	.01	.07	36.65	.00	800.00	.00
906.660	1391.55	.01	.07	37.16	.00	850.00	.00
906.660	1391.70	.01	.07	37.66	.00	900.00	.00
906.660	1391.86	.01	.07	38.15	.00	950.00	.00
906.660	1392.00	.01	.07	38.62	.00	1000.00	.00
906.660	1392.15	.01	.08	39.08	.00	1050.00	.00
906.660	1392.28	.01	.07	39.52	.00	1100.00	.00
906.660	1392.42	.01	.07	39.95	.00	1150.00	.00
906.660	1392.55	.01	.08	40.37	.00	1200.00	.00
906.660	1392.68	.01	.08	40.78	.00	1250.00	.00

SECNO	CWSEL	HL	OLOSS	TOPWID	QLOB	QCH	QROB
906.760	1390.68	.01	.00	34.32	.00	600.00	.00
906.760	1390.87	.01	.00	34.93	.00	650.00	.00
906.760	1391.05	.01	.00	35.51	.00	700.00	.00
906.760	1391.22	.01	.00	36.07	.00	750.00	.00
906.760	1391.39	.01	.00	36.60	.00	800.00	.00
906.760	1391.55	.01	.00	37.12	.00	850.00	.00
906.760	1391.71	.01	.00	37.61	.00	900.00	.00
906.760	1391.86	.01	.00	38.10	.00	950.00	.00
906.760	1392.01	.01	.00	38.57	.00	1000.00	.00
906.760	1392.15	.01	.00	39.03	.00	1050.00	.00
906.760	1392.29	.01	.00	39.47	.00	1100.00	.00
906.760	1392.42	.01	.00	39.90	.00	1150.00	.00
906.760	1392.55	.01	.00	40.32	.00	1200.00	.00
906.760	1392.68	.01	.00	40.73	.00	1250.00	.00
906.800	1390.82	.12	.00	34.75	.00	600.00	.00
906.800	1391.09	.18	.00	35.61	.00	650.00	.00
906.800	1391.36	.25	.00	36.48	.00	700.00	.00
906.800	1391.63	.33	.00	37.35	.00	750.00	.00
906.800	1391.91	.42	.00	38.22	.00	800.00	.00
906.800	1392.18	.51	.00	39.11	.00	850.00	.00
906.800	1392.46	.61	.00	39.99	.00	900.00	.00
906.800	1392.74	.72	.00	40.91	.00	950.00	.00
906.800	1393.03	.83	.00	41.81	.00	1000.00	.00
906.800	1393.32	.96	.00	42.74	.00	1050.00	.00
906.800	1393.61	1.09	.00	43.65	.00	1100.00	.00
906.800	1393.88	1.20	.00	44.09	.00	1150.00	.00
906.800	1394.11	1.28	.00	44.45	.00	1200.00	.00
906.800	1394.31	1.35	.00	44.78	.00	1250.00	.00
906.850	1390.82	.00	.00	34.73	.00	600.00	.00
906.850	1391.09	.00	.00	35.60	.00	650.00	.00
906.850	1391.36	.00	.00	36.46	.00	700.00	.00
906.850	1391.63	.00	.00	37.34	.00	750.00	.00
906.850	1391.91	.00	.00	38.21	.00	800.00	.00
906.850	1392.18	.00	.00	39.10	.00	850.00	.00
906.850	1392.46	.00	.00	39.99	.00	900.00	.00
906.850	1392.75	.00	.00	40.90	.00	950.00	.00
906.850	1393.03	.00	.00	41.81	.00	1000.00	.00
906.850	1393.32	.00	.00	42.74	.00	1050.00	.00
906.850	1393.61	.00	.00	43.65	.00	1100.00	.00
906.850	1393.88	.00	.00	44.09	.00	1150.00	.00
906.850	1394.11	.00	.00	44.45	.00	1200.00	.00
906.850	1394.31	.00	.00	44.78	.00	1250.00	.00

SECNO	CWSEL	HL	OLOSS	TOPWID	QLOB	QCH	QROB
912.810	1394.23	.01	.05	34.67	.00	600.00	.00
912.810	1394.43	.01	.05	35.30	.00	650.00	.00
912.810	1394.62	.01	.05	35.91	.00	700.00	.00
912.810	1394.80	.01	.05	36.49	.00	750.00	.00
912.810	1394.98	.01	.05	37.04	.00	800.00	.00
912.810	1395.15	.01	.05	37.58	.00	850.00	.00
912.810	1395.31	.01	.05	38.10	.00	900.00	.00
912.810	1395.47	.01	.05	38.61	.00	950.00	.00
912.810	1395.62	.01	.05	39.09	.00	1000.00	.00
912.810	1395.77	.01	.05	39.58	.00	1050.00	.00
912.810	1395.91	.01	.05	40.04	.00	1100.00	.00
912.810	1396.06	.01	.05	40.49	.00	1150.00	.00
912.810	1396.19	.01	.05	40.93	.00	1200.00	.00
912.810	1396.33	.01	.05	41.36	.00	1250.00	.00
912.910	1394.24	.01	.00	34.61	.00	600.00	.00
912.910	1394.44	.01	.00	35.24	.00	650.00	.00
912.910	1394.63	.01	.00	35.84	.00	700.00	.00
912.910	1394.81	.01	.00	36.42	.00	750.00	.00
912.910	1394.98	.01	.00	36.98	.00	800.00	.00
912.910	1395.15	.01	.00	37.51	.00	850.00	.00
912.910	1395.31	.01	.00	38.03	.00	900.00	.00
912.910	1395.47	.01	.00	38.54	.00	950.00	.00
912.910	1395.62	.01	.00	39.02	.00	1000.00	.00
912.910	1395.77	.01	.00	39.50	.00	1050.00	.00
912.910	1395.92	.01	.00	39.97	.00	1100.00	.00
912.910	1396.06	.01	.00	40.42	.00	1150.00	.00
912.910	1396.20	.01	.00	40.86	.00	1200.00	.00
912.910	1396.33	.01	.00	41.29	.00	1250.00	.00
912.950	1394.24	.00	.00	34.59	.00	600.00	.00
912.950	1394.60	.13	.00	35.74	.00	650.00	.00
912.950	1394.87	.20	.00	36.59	.00	700.00	.00
912.950	1395.13	.27	.00	37.44	.00	750.00	.00
912.950	1395.40	.34	.00	38.29	.00	800.00	.00
912.950	1395.67	.42	.00	39.15	.00	850.00	.00
912.950	1395.94	.51	.00	40.01	.00	900.00	.00
912.950	1396.21	.61	.00	40.88	.00	950.00	.00
912.950	1396.48	.71	.00	41.75	.00	1000.00	.00
912.950	1396.76	.82	.00	42.64	.00	1050.00	.00
912.950	1397.04	.93	.00	43.53	.00	1100.00	.00
912.950	1397.32	1.05	.00	44.20	.00	1150.00	.00
912.950	1397.59	1.16	.00	44.20	.00	1200.00	.00
912.950	1397.81	1.24	.00	44.20	.00	1250.00	.00

	SECNO	CWSEL	HL	OLOSS	TOPWID	QLOB	QCH	QROB
	913.000	1394.24	.00	.00	34.57	.00	600.00	.00
	913.000	1394.60	.00	.00	35.73	.00	650.00	.00
	913.000	1394.87	.00	.00	36.58	.00	700.00	.00
	913.000	1395.13	.00	.00	37.43	.00	750.00	.00
	913.000	1395.40	.00	.00	38.28	.00	800.00	.00
	913.000	1395.67	.00	.00	39.14	.00	850.00	.00
	913.000	1395.94	.00	.00	40.00	.00	900.00	.00
	913.000	1396.21	.00	.00	40.87	.00	950.00	.00
	913.000	1396.48	.00	.00	41.75	.00	1000.00	.00
	913.000	1396.76	.00	.00	42.64	.00	1050.00	.00
	913.000	1397.04	.00	.00	43.53	.00	1100.00	.00
	913.000	1397.32	.00	.00	44.20	.00	1150.00	.00
	913.000	1397.59	.00	.00	44.20	.00	1200.00	.00
	913.000	1397.81	.00	.00	44.20	.00	1250.00	.00
	916.610	1394.47	.57	.04	27.79	.00	600.00	.00
	916.610	1394.76	.49	.05	28.95	.00	650.00	.00
	916.610	1394.99	.45	.05	29.89	.00	700.00	.00
	916.610	1395.23	.42	.06	30.86	.00	750.00	.00
	916.610	1395.48	.39	.06	31.80	.00	800.00	.00
	916.610	1395.73	.36	.06	32.83	.00	850.00	.00
	916.610	1395.99	.33	.05	33.90	.00	900.00	.00
	916.610	1396.25	.31	.05	34.95	.00	950.00	.00
	916.610	1396.51	.28	.05	36.02	.00	1000.00	.00
	916.610	1396.78	.26	.05	37.06	.00	1050.00	.00
	916.610	1397.05	.24	.05	38.16	.00	1100.00	.00
	916.610	1397.33	.22	.05	39.27	.00	1150.00	.00
	916.610	1397.59	.21	.04	40.32	.00	1200.00	.00
	916.610	1397.81	.20	.04	41.21	.00	1250.00	.00
*	916.960	1395.92	.09	.17	21.00	.00	600.00	.00
*	916.960	1396.08	.08	.20	21.00	.00	650.00	.00
*	916.960	1396.24	.08	.23	21.00	.00	700.00	.00
*	916.960	1396.39	.08	.25	21.00	.00	750.00	.00
*	916.960	1396.55	.07	.28	21.00	.00	800.00	.00
*	916.960	1396.69	.07	.31	21.00	.00	850.00	.00
*	916.960	1396.82	.07	.34	21.00	.00	900.00	.00
*	916.960	1396.97	.06	.37	21.00	.00	950.00	.00
*	916.960	1397.11	.06	.40	21.00	.00	1000.00	.00
*	916.960	1397.24	.06	.42	21.00	.00	1050.00	.00
*	916.960	1397.38	.05	.45	21.00	.00	1100.00	.00
*	916.960	1397.51	.05	.48	21.00	.00	1150.00	.00
*	916.960	1397.64	.05	.51	21.00	.00	1200.00	.00
*	916.960	1397.77	.05	.53	21.00	.00	1250.00	.00

	SECNO	CWSEL	HL	OLOSS	TOPWID	QLOB	QCH	QROB
*	918.640	1397.88	1.38	.00	21.00	.00	600.00	.00
*	918.640	1398.09	1.39	.00	21.00	.00	650.00	.00
*	918.640	1398.29	1.41	.00	21.00	.00	700.00	.00
*	918.640	1398.48	1.42	.00	21.00	.00	750.00	.00
*	918.640	1398.68	1.43	.00	21.00	.00	800.00	.00
*	918.640	1398.86	1.45	.00	21.00	.00	850.00	.00
*	918.640	1399.05	1.46	.00	21.00	.00	900.00	.00
*	918.640	1399.23	1.47	.00	21.00	.00	950.00	.00
*	918.640	1399.41	1.48	.00	21.00	.00	1000.00	.00
*	918.640	1399.58	1.49	.00	21.00	.00	1050.00	.00
*	918.640	1399.75	1.51	.00	21.00	.00	1100.00	.00
*	918.640	1399.64	1.38	.00	21.00	.00	1150.00	.00
*	918.640	1399.14	1.17	.00	21.00	.00	1200.00	.00
*	918.640	1398.91	.62	-.62	21.00	.00	1250.00	.00
*	919.050	1397.86	.09	.12	25.88	.00	600.00	.00
*	919.050	1398.02	.09	.12	26.52	.00	650.00	.00
*	919.050	1398.18	.09	.12	27.13	.00	700.00	.00
*	919.050	1398.32	.09	.12	27.72	.00	750.00	.00
	919.050	1398.56	.09	.09	28.70	.00	800.00	.00
	919.050	1398.82	.08	.05	29.71	.00	850.00	.00
	919.050	1399.07	.08	.03	30.69	.00	900.00	.00
	919.050	1399.33	.07	.00	31.78	.00	950.00	.00
	919.050	1399.64	.07	.01	32.99	.00	1000.00	.00
	919.050	1399.92	.07	.02	34.09	.00	1050.00	.00
	919.050	1400.19	.06	.03	35.14	.00	1100.00	.00
	919.050	1400.17	.07	.04	35.10	.00	1150.00	.00
	919.050	1399.97	.10	.07	34.30	.00	1200.00	.00
	919.050	1400.28	.10	.12	35.53	.00	1250.00	.00

SUMMARY OF ERRORS AND SPECIAL NOTES

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CAUTION  SECNO=   816.160  PROFILE= 2  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   816.160  PROFILE= 3  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   816.160  PROFILE= 4  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   816.160  PROFILE= 5  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   816.160  PROFILE= 6  CRITICAL DEPTH ASSUMED
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CAUTION  SECNO=   859.600  PROFILE=11  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   859.600  PROFILE=11  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   859.600  PROFILE=12  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   859.600  PROFILE=12  PROBABLE MINIMUM SPECIFIC ENERGY
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CAUTION  SECNO=   859.600  PROFILE=12  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   859.600  PROFILE=13  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   859.600  PROFILE=13  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   859.600  PROFILE=13  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   859.600  PROFILE=14  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   859.600  PROFILE=14  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   859.600  PROFILE=14  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION  SECNO=   863.910  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   863.910  PROFILE= 1  MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   863.910  PROFILE= 2  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   863.910  PROFILE= 2  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   863.910  PROFILE= 2  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   863.910  PROFILE= 3  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   863.910  PROFILE= 3  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   863.910  PROFILE= 3  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   863.910  PROFILE= 4  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   863.910  PROFILE= 4  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   863.910  PROFILE= 4  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   863.910  PROFILE= 5  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   863.910  PROFILE= 5  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   863.910  PROFILE= 5  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   863.910  PROFILE= 6  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   863.910  PROFILE= 6  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   863.910  PROFILE= 6  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   863.910  PROFILE= 7  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   863.910  PROFILE= 7  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   863.910  PROFILE= 7  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   863.910  PROFILE= 8  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   863.910  PROFILE= 8  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   863.910  PROFILE= 8  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   863.910  PROFILE= 9  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   863.910  PROFILE= 9  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   863.910  PROFILE= 9  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   863.910  PROFILE=10  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   863.910  PROFILE=10  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   863.910  PROFILE=10  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   863.910  PROFILE=11  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   863.910  PROFILE=11  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   863.910  PROFILE=11  20 TRIALS ATTEMPTED TO BALANCE WSEL
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CAUTION  SECNO=   863.910  PROFILE=12  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   863.910  PROFILE=12  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   863.910  PROFILE=13  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   863.910  PROFILE=13  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   863.910  PROFILE=13  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   863.910  PROFILE=14  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   863.910  PROFILE=14  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   863.910  PROFILE=14  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION  SECNO=   864.210  PROFILE= 6  CRITICAL DEPTH ASSUMED
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CAUTION  SECNO=   864.210  PROFILE= 6  MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   864.210  PROFILE= 7  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   864.210  PROFILE= 7  MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   864.210  PROFILE= 8  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   864.210  PROFILE= 8  MINIMUM SPECIFIC ENERGY
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CAUTION  SECNO=   864.210  PROFILE= 9  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   864.210  PROFILE= 9  20 TRIALS ATTEMPTED TO BALANCE WSEL
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CAUTION  SECNO=   864.210  PROFILE=10  20 TRIALS ATTEMPTED TO BALANCE WSEL
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CAUTION  SECNO=   864.210  PROFILE=11  PROBABLE MINIMUM SPECIFIC ENERGY
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CAUTION  SECNO=   864.210  PROFILE=13  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   864.210  PROFILE=14  CRITICAL DEPTH ASSUMED
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CAUTION  SECNO=   864.210  PROFILE=14  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION  SECNO=   865.570  PROFILE= 1  HYDRAULIC JUMP D.S.
CAUTION  SECNO=   865.570  PROFILE= 2  HYDRAULIC JUMP D.S.
CAUTION  SECNO=   865.570  PROFILE= 3  HYDRAULIC JUMP D.S.
CAUTION  SECNO=   865.570  PROFILE= 4  HYDRAULIC JUMP D.S.
CAUTION  SECNO=   865.570  PROFILE= 5  HYDRAULIC JUMP D.S.
CAUTION  SECNO=   865.570  PROFILE= 6  HYDRAULIC JUMP D.S.
CAUTION  SECNO=   865.570  PROFILE= 7  HYDRAULIC JUMP D.S.
CAUTION  SECNO=   865.570  PROFILE= 8  HYDRAULIC JUMP D.S.
CAUTION  SECNO=   865.570  PROFILE= 9  HYDRAULIC JUMP D.S.
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CAUTION  SECNO=   865.570  PROFILE=11  HYDRAULIC JUMP D.S.
CAUTION  SECNO=   865.570  PROFILE=12  HYDRAULIC JUMP D.S.
CAUTION  SECNO=   865.570  PROFILE=13  HYDRAULIC JUMP D.S.
CAUTION  SECNO=   865.570  PROFILE=14  HYDRAULIC JUMP D.S.

CAUTION  SECNO=   867.780  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   867.780  PROFILE= 1  MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   867.780  PROFILE= 2  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   867.780  PROFILE= 2  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   867.780  PROFILE= 2  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   867.780  PROFILE= 3  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   867.780  PROFILE= 3  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   867.780  PROFILE= 3  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   867.780  PROFILE= 4  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   867.780  PROFILE= 4  MINIMUM SPECIFIC ENERGY

CAUTION  SECNO=   871.400  PROFILE= 1  CRITICAL DEPTH ASSUMED
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CAUTION  SECNO=   871.400  PROFILE= 1  MINIMUM SPECIFIC ENERGY
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CAUTION  SECNO=   871.400  PROFILE= 3  CRITICAL DEPTH ASSUMED
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CAUTION  SECNO=   871.400  PROFILE= 5  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   871.400  PROFILE= 5  PROBABLE MINIMUM SPECIFIC ENERGY
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CAUTION  SECNO=   871.400  PROFILE= 7  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   871.400  PROFILE= 7  20 TRIALS ATTEMPTED TO BALANCE WSEL
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CAUTION  SECNO=   871.400  PROFILE= 8  PROBABLE MINIMUM SPECIFIC ENERGY
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CAUTION  SECNO=   871.400  PROFILE= 9  PROBABLE MINIMUM SPECIFIC ENERGY
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CAUTION  SECNO=   871.400  PROFILE=10  PROBABLE MINIMUM SPECIFIC ENERGY
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CAUTION  SECNO=   871.400  PROFILE=12  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   871.400  PROFILE=12  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   871.400  PROFILE=12  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   871.400  PROFILE=13  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   871.400  PROFILE=13  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   871.400  PROFILE=13  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   871.400  PROFILE=14  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   871.400  PROFILE=14  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   871.400  PROFILE=14  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION  SECNO=   871.730  PROFILE= 5  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   871.730  PROFILE= 5  MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   871.730  PROFILE= 6  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   871.730  PROFILE= 6  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   871.730  PROFILE= 6  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   871.730  PROFILE= 7  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   871.730  PROFILE= 7  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   871.730  PROFILE= 7  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   871.730  PROFILE= 8  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   871.730  PROFILE= 8  PROBABLE MINIMUM SPECIFIC ENERGY
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CAUTION  SECNO=   871.730  PROFILE= 9  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   871.730  PROFILE= 9  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   871.730  PROFILE=10  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   871.730  PROFILE=10  PROBABLE MINIMUM SPECIFIC ENERGY
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CAUTION  SECNO=   871.730  PROFILE=11  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   871.730  PROFILE=11  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   871.730  PROFILE=12  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   871.730  PROFILE=12  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   871.730  PROFILE=12  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   871.730  PROFILE=13  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   871.730  PROFILE=13  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   871.730  PROFILE=13  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   871.730  PROFILE=14  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   871.730  PROFILE=14  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   871.730  PROFILE=14  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION  SECNO=   878.390  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   878.390  PROFILE= 1  MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   878.390  PROFILE= 2  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   878.390  PROFILE= 2  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   878.390  PROFILE= 2  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   878.390  PROFILE= 3  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   878.390  PROFILE= 3  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   878.390  PROFILE= 3  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   878.390  PROFILE= 4  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   878.390  PROFILE= 4  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   878.390  PROFILE= 4  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   878.390  PROFILE= 5  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   878.390  PROFILE= 5  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   878.390  PROFILE= 5  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   878.390  PROFILE= 6  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   878.390  PROFILE= 6  PROBABLE MINIMUM SPECIFIC ENERGY
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CAUTION  SECNO=   878.390  PROFILE= 7  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   878.390  PROFILE= 7  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   878.390  PROFILE= 7  20 TRIALS ATTEMPTED TO BALANCE WSEL
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CAUTION  SECNO=   878.390  PROFILE= 8  PROBABLE MINIMUM SPECIFIC ENERGY
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CAUTION  SECNO=   878.390  PROFILE=11  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   878.390  PROFILE=11  PROBABLE MINIMUM SPECIFIC ENERGY
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CAUTION  SECNO=   878.390  PROFILE=11  20 TRIALS ATTEMPTED TO BALANCE WSEL
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CAUTION  SECNO=   878.390  PROFILE=12  PROBABLE MINIMUM SPECIFIC ENERGY
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CAUTION  SECNO=   878.390  PROFILE=13  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   878.390  PROFILE=13  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   878.390  PROFILE=13  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   878.390  PROFILE=14  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   878.390  PROFILE=14  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   878.390  PROFILE=14  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION  SECNO=   883.000  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   883.000  PROFILE= 1  MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   883.000  PROFILE= 2  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   883.000  PROFILE= 2  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   883.000  PROFILE= 2  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   883.000  PROFILE= 3  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   883.000  PROFILE= 3  PROBABLE MINIMUM SPECIFIC ENERGY
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CAUTION  SECNO=   883.000  PROFILE= 4  PROBABLE MINIMUM SPECIFIC ENERGY
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CAUTION  SECNO=   883.000  PROFILE= 5  PROBABLE MINIMUM SPECIFIC ENERGY
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CAUTION  SECNO=   883.000  PROFILE= 6  PROBABLE MINIMUM SPECIFIC ENERGY
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CAUTION  SECNO=   883.000  PROFILE=14  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   883.000  PROFILE=14  PROBABLE MINIMUM SPECIFIC ENERGY
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CAUTION  SECNO=   883.000  PROFILE=14  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION  SECNO=   883.480  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   883.480  PROFILE= 1  MINIMUM SPECIFIC ENERGY
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CAUTION  SECNO=   883.480  PROFILE= 2  PROBABLE MINIMUM SPECIFIC ENERGY
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CAUTION  SECNO=   883.480  PROFILE= 3  PROBABLE MINIMUM SPECIFIC ENERGY
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CAUTION  SECNO=   883.480  PROFILE= 4  PROBABLE MINIMUM SPECIFIC ENERGY
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CAUTION  SECNO=   883.480  PROFILE= 5  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   883.480  PROFILE= 5  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   883.480  PROFILE= 5  20 TRIALS ATTEMPTED TO BALANCE WSEL
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CAUTION  SECNO=   883.480  PROFILE= 6  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   883.480  PROFILE= 6  20 TRIALS ATTEMPTED TO BALANCE WSEL
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CAUTION  SECNO=   883.480  PROFILE=14  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   883.480  PROFILE=14  20 TRIALS ATTEMPTED TO BALANCE WSEL

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CAUTION  SECNO=   885.110  PROFILE= 7  HYDRAULIC JUMP D.S.
CAUTION  SECNO=   885.110  PROFILE= 8  HYDRAULIC JUMP D.S.
CAUTION  SECNO=   885.110  PROFILE= 9  HYDRAULIC JUMP D.S.
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CAUTION  SECNO=   912.440  PROFILE= 1  CRITICAL DEPTH ASSUMED
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CAUTION  SECNO=   912.440  PROFILE= 7  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   912.440  PROFILE= 7  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   912.440  PROFILE= 8  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   912.440  PROFILE= 8  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   912.440  PROFILE= 8  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   912.440  PROFILE= 9  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   912.440  PROFILE= 9  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   912.440  PROFILE= 9  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   912.440  PROFILE=10  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   912.440  PROFILE=10  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   912.440  PROFILE=10  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   912.440  PROFILE=11  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   912.440  PROFILE=11  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   912.440  PROFILE=11  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   912.440  PROFILE=12  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   912.440  PROFILE=12  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   912.440  PROFILE=12  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   912.440  PROFILE=13  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   912.440  PROFILE=13  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   912.440  PROFILE=13  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   912.440  PROFILE=14  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   912.440  PROFILE=14  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   912.440  PROFILE=14  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION  SECNO=   916.960  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   916.960  PROFILE= 1  MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   916.960  PROFILE= 2  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   916.960  PROFILE= 2  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   916.960  PROFILE= 2  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   916.960  PROFILE= 3  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   916.960  PROFILE= 3  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   916.960  PROFILE= 3  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   916.960  PROFILE= 4  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   916.960  PROFILE= 4  PROBABLE MINIMUM SPECIFIC ENERGY
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CAUTION  SECNO=   916.960  PROFILE= 4  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   916.960  PROFILE= 5  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   916.960  PROFILE= 5  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   916.960  PROFILE= 5  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   916.960  PROFILE= 6  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   916.960  PROFILE= 6  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   916.960  PROFILE= 6  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   916.960  PROFILE= 7  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   916.960  PROFILE= 7  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   916.960  PROFILE= 7  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   916.960  PROFILE= 8  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   916.960  PROFILE= 8  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   916.960  PROFILE= 8  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   916.960  PROFILE= 9  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   916.960  PROFILE= 9  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   916.960  PROFILE= 9  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   916.960  PROFILE=10  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   916.960  PROFILE=10  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   916.960  PROFILE=10  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   916.960  PROFILE=11  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   916.960  PROFILE=11  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   916.960  PROFILE=11  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   916.960  PROFILE=12  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   916.960  PROFILE=12  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   916.960  PROFILE=12  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   916.960  PROFILE=13  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   916.960  PROFILE=13  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   916.960  PROFILE=13  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   916.960  PROFILE=14  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   916.960  PROFILE=14  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   916.960  PROFILE=14  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION  SECNO=   918.640  PROFILE= 1  HYDRAULIC JUMP D.S.
CAUTION  SECNO=   918.640  PROFILE= 2  HYDRAULIC JUMP D.S.
CAUTION  SECNO=   918.640  PROFILE= 3  HYDRAULIC JUMP D.S.
CAUTION  SECNO=   918.640  PROFILE= 4  HYDRAULIC JUMP D.S.
CAUTION  SECNO=   918.640  PROFILE= 5  HYDRAULIC JUMP D.S.
CAUTION  SECNO=   918.640  PROFILE= 6  HYDRAULIC JUMP D.S.
CAUTION  SECNO=   918.640  PROFILE= 7  HYDRAULIC JUMP D.S.
CAUTION  SECNO=   918.640  PROFILE= 8  HYDRAULIC JUMP D.S.
CAUTION  SECNO=   918.640  PROFILE= 9  HYDRAULIC JUMP D.S.
CAUTION  SECNO=   918.640  PROFILE=10  HYDRAULIC JUMP D.S.
CAUTION  SECNO=   918.640  PROFILE=11  HYDRAULIC JUMP D.S.
CAUTION  SECNO=   918.640  PROFILE=12  HYDRAULIC JUMP D.S.
CAUTION  SECNO=   918.640  PROFILE=12  20 TRIALS OF EG NOT ENOUGH
CAUTION  SECNO=   918.640  PROFILE=13  HYDRAULIC JUMP D.S.
CAUTION  SECNO=   918.640  PROFILE=13  20 TRIALS OF EG NOT ENOUGH
CAUTION  SECNO=   918.640  PROFILE=14  WSEL ASSUMED BASED ON MIN DIFF
CAUTION  SECNO=   918.640  PROFILE=14  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   918.640  PROFILE=14  HYDRAULIC JUMP D.S.

CAUTION  SECNO=   919.050  PROFILE= 1  CRITICAL DEPTH ASSUMED
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CAUTION  SECNO=   919.050  PROFILE= 1  MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   919.050  PROFILE= 2  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   919.050  PROFILE= 2  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   919.050  PROFILE= 2  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   919.050  PROFILE= 3  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   919.050  PROFILE= 3  MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   919.050  PROFILE= 4  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   919.050  PROFILE= 4  MINIMUM SPECIFIC ENERGY

CAUTION  SECNO=   927.010  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   927.010  PROFILE= 1  MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   927.010  PROFILE= 2  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   927.010  PROFILE= 2  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   927.010  PROFILE= 2  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   927.010  PROFILE= 3  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   927.010  PROFILE= 3  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   927.010  PROFILE= 3  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   927.010  PROFILE= 4  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   927.010  PROFILE= 4  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   927.010  PROFILE= 4  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   927.010  PROFILE= 5  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   927.010  PROFILE= 5  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   927.010  PROFILE= 5  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   927.010  PROFILE= 6  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   927.010  PROFILE= 6  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   927.010  PROFILE= 6  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   927.010  PROFILE= 7  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   927.010  PROFILE= 7  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   927.010  PROFILE= 7  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   927.010  PROFILE= 8  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   927.010  PROFILE= 8  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   927.010  PROFILE= 8  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   927.010  PROFILE= 9  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   927.010  PROFILE= 9  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   927.010  PROFILE= 9  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   927.010  PROFILE=10  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   927.010  PROFILE=10  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   927.010  PROFILE=10  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   927.010  PROFILE=11  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   927.010  PROFILE=11  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   927.010  PROFILE=11  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   927.010  PROFILE=12  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   927.010  PROFILE=12  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   927.010  PROFILE=12  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   927.010  PROFILE=13  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   927.010  PROFILE=13  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   927.010  PROFILE=13  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   927.010  PROFILE=14  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   927.010  PROFILE=14  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   927.010  PROFILE=14  20 TRIALS ATTEMPTED TO BALANCE WSEL
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User: DEN104 -at

<OPS183>PROJ>PJ6114>DATA>HEC2>CH1ROUTB.OUT

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*****************************************************************************************************
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WWWW  WWWWW W   W   W    WWW  W
W   W W     WW  W  WW   W   W W  W
W   W W     W W W   W   W   W W  W
W   W WWWW  W W W   W   W W W WWWWW
W   W W     W W W   W   W   W    W
W   W W     W  WW   W   W   W    W
WWWW  WWWWW W   W  WWW   WWW     W



 WWW  W   W   W   WWWW   WWW  W   W WWWWW WWWW        WWW  W   W WWWWW
W   W W   W  WW   W   W W   W W   W   W   W   W      W   W W   W   W
W     W   W   W   W   W W   W W   W   W   W   W      W   W W   W   W
W     WWWWW   W   WWWW  W   W W   W   W   WWWW       W   W W   W   W
W     W   W   W   W W   W   W W   W   W   W   W      W   W W   W   W
W   W W   W   W   W  W  W   W W   W   W   W   W  WW  W   W W   W   W
 WWW  W   W  WWW  W   W  WWW   WWW    W   WWWW   WW   WWW   WWW    W

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[Spooler rev 20.0.6HB (c) Prime Computer, Inc., 1986]

Label: PRT120 -form DENPRT

Pathname: <OPS183>PROJ>PJ6114>DATA>HEC2>CH1ROUTB.OUT
File last modified: 88-07-07.09:38:36.Thu

Spooled: 88-09-13.12:21:16.Tue
Started: 88-09-13.12:36:40.Tue on: AMLC by: DENPRT

THIS RUN EXECUTED 07/06/88 16:51:21

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  HEC2 RELEASE DATED NOV 76 UPDATED MAY  1984
  ERROR CORR -  01,02,03,04,05,06
  MODIFICATION -  50,51,52,53,54,55,56
  IBM-PC-XT VERSION
**************************************************


C
T1       BACKWATER CURVE FROM THE RWCD TO THE UPSTREAM END OF
T2       CHANNEL NUMBER 1 (APPROX. STA 816+16 TO STA 918.94).
T3       Q RANGES FROM 600 TO 1900

J1  ICHECK    INQ       NINV      IDIR      STRT      METRIC    HVINS     Q         WSEL      FQ

      0.        2.        0.        0.   .000000      .00        .0        0.  1337.700     .000

J2  NPROF     IPLOT     PRFVS     XSECV     XSECH     FN        ALLDC     IBW       CHNIM     ITRACE

     1.000      .000    -1.000      .000      .000      .000    -1.000      .000      .000      .000

J3  VARIABLE CODES FOR SUMMARY PRINTOUT

   105.000      .000      .000      .000      .000      .000      .000      .000      .000      .000

J5  LPRNT    NUMSEC                    ********REQUESTED SECTION NUMBERS********

   -10.000   -10.000      .000      .000      .000      .000      .000      .000      .000      .000

NC       .035       .035       .016       .100       .300       .000       .000       .000       .000       .000
QT     14.000   1300.000   1350.000   1400.000   1450.000   1500.000   1550.000   1600.000   1650.000   1700.000
QT   1750.000   1800.000   1850.000   1900.000   1950.000       .000       .000       .000       .000       .000
          DISCHARGE TO THE RWCD-ASSUMED ELEVATION (509 PLAN EL.-1.3 FT)
X1    816.160      4.000    475.000    525.000       .000       .000       .000       .000       .000       .000
GR   1337.200    475.000   1327.700    494.000   1327.700    506.000   1337.200    525.000       .000       .000

          URS SURVEYED ELEVATION-EXISTING CHANNEL
X1    843.150      4.000    475.000    525.000   2699.000   2699.000   2699.000       .000       .000       .000
GR   1344.800    475.000   1335.300    494.000   1335.300    506.000   1344.800    525.000       .000       .000

          URS SURVEYED ELEVATION-EXISTING CHANNEL
X1    846.000      4.000    475.000    525.000    285.000    285.000    285.000       .000       .000       .000
GR   1345.700    475.000   1336.200    494.000   1336.200    506.000   1345.700    525.000       .000       .000

          URS SURVEYED ELEVATION-EXISTING CHANNEL
X1    847.400      4.000    475.000    525.000     50.000     50.000     50.000       .000       .000       .000
GR   1346.200    475.000   1336.700    494.000   1336.700    506.000   1346.200    525.000       .000       .000

          STORM SEWER OUTFALL TO EXISTING CHANNEL
X1    848.470      4.000    475.000    525.000    107.000    107.000    107.000       .000       .000       .000
GR   1347.700    475.000   1338.230    494.000   1338.230    506.000   1347.700    525.000       .000       .000
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          URS SURVEYED ELEVATION-EXISTING CHANNEL
X1    850.400      4.000    475.000    525.000    193.000    193.000    193.000       .000       .000       .000
GR   1350.500    475.000   1341.000    494.000   1341.000    506.000   1350.500    525.000       .000       .000

          URS SURVEYED ELEVATION-EXISTING CHANNEL
X1    853.400      4.000    475.000    525.000    300.000    300.000    300.000       .000       .000       .000
GR   1355.000    475.000   1345.500    494.000   1345.500    506.000   1355.000    525.000       .000       .000

          URS SURVEYED ELEVATION-EXISTING CHANNEL
X1    856.600      4.000    475.000    525.000    320.000    320.000    320.000       .000       .000       .000
GR   1359.700    475.000   1350.200    494.000   1350.200    506.000   1359.700    525.000       .000       .000

          GRADE BREAK 460 FEET DOWNSTREAM FROM POWER BOX
X1    859.600      4.000    475.000    525.000    300.000    300.000    300.000       .000       .000       .000
GR   1364.300    475.000   1354.800    494.000   1354.800    506.000   1364.300    525.000       .000       .000

          DOWNSTREAM END OF TRANSITION BELOW POWER BOX
X1    863.910      4.000    475.000    525.000    431.000    431.000    431.000       .000       .000       .000
GR   1366.500    475.000   1357.010    492.000   1357.010    506.000   1366.500    525.000       .000       .000

          POWER ROAD BOX- DOWNSTREAM END
X1    864.210      4.000    489.500    510.500     30.000     30.000     30.000       .000       .000       .000
X3     10.000       .000       .000       .000       .000       .000       .000   1365.160   1365.160       .000
GR   1366.700    489.500   1357.170    489.500   1357.170    510.500   1366.700    510.500       .000       .000

SB      1.250      1.560      2.560       .000     21.000      1.000    120.000       .000   1358.000   1357.010
          POWER ROAD BOX- UPSTREAM END
X1    865.570      9.000    482.500    517.500    142.000    142.000    142.000       .000       .000       .000
X2       .000       .000      1.000   1364.000   1368.230       .000       .000       .000       .000       .000
X3     10.000       .000       .000    482.500   1367.500    517.500   1367.500       .000       .000       .000
BT      7.000    463.000   1372.600   1364.000    482.500   1372.020   1364.000    489.500   1372.020   1364.000
BT    510.500   1371.720   1364.000    517.500   1371.620   1364.000   1000.000   1368.230   1364.000   1057.100
BT   1370.000   1364.000       .000       .000       .000       .000       .000       .000       .000       .000
GR   1372.600    463.000   1367.500    482.500   1364.000    489.500   1358.000    489.500   1358.000    510.500
GR   1364.000    510.500   1367.500    517.500   1369.920   1000.000   1370.200   1057.000      1.000       .000

          UPSTREAM END OF POWER ROAD BOX CULVERT TRANSITION
X1    866.070      6.000    473.400    526.600     50.000     50.000     50.000       .000       .000       .000
X3     10.000       .000       .000    473.400   1367.500    526.600   1367.500       .000       .000       .000
GR   1369.400    375.000   1367.500    473.400   1358.200    492.000   1358.200    508.000   1367.500    526.600
GR   1370.000   1027.000       .000       .000       .000       .000       .000       .000       .000       .000

          DOWNSTREAM END OF POND 1 SPILLWAY TOP
X1    867.010      4.000    473.200    526.800     94.000     94.000     94.000       .000       .000       .000
GR   1368.100    473.200   1358.710    492.000   1358.710    508.000   1368.100    526.800       .000       .000

          DOWNSTREAM END OF POND 1 SPILLWAY CREST
X1    867.020      4.000    474.100    526.800      1.000      1.000      1.000       .000       .000       .000
GR   1367.700    474.100   1358.710    492.000   1358.710    508.000   1368.100    526.800       .000       .000
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          UPSTREAM END OF POND 1 SPILLWAY CREST
X1    867.780      4.000    475.100    527.000     77.000     77.000     77.000       .000       .000       .000
GR   1367.700    475.100   1359.200    492.000   1359.200    508.000   1368.700    527.000       .000       .000

          UPSTREAM END OF POND 1 SPILLWAY TOP
X1    867.790      4.000    475.100    527.000      1.000      1.000      1.000       .000       .000       .000
GR   1368.700    473.000   1359.200    492.000   1359.200    508.000   1368.700    527.000       .000       .000

          GRADE BREAK BELOW DIVERSION STRUCTURE FOR POND 1
X1    871.400      8.000    474.000    527.000    361.000    361.000    361.000       .000       .000       .000
GR   1370.400    338.000   1364.740    349.000   1364.740    455.000   1370.300    466.000   1370.300    474.000
GR   1361.300    492.000   1361.300    508.000   1370.800    527.000       .000       .000       .000       .000

          DOWNSTREAM END OF TRANSITION SECTION BELOW POND 1
X1    871.730      4.000    474.000    526.000     33.000     33.000     33.000       .000       .000       .000
GR   1370.400    474.000   1361.390    492.000   1361.390    508.000   1370.400    526.000       .000       .000

          UPSTREAM END OF TRANSITION SECTION BELOW POND 1
X1    871.830      4.000    474.700    525.500     10.000     10.000     10.000       .000       .000       .000
GR   1370.400    474.700   1361.410    490.000   1361.410    510.000   1370.500    525.500       .000       .000

          FLOW CONSTRICTOR FOR POND 1
X1    871.930      4.000    474.600    525.400     10.000     10.000     10.000       .000       .000       .000
GR   1370.500    474.600   1361.430    490.000   1361.430    510.000   1370.500    525.400       .000       .000

SB       .000      1.560      2.560       .000     20.000       .000    142.500      1.700       .000       .000
          UPSTREAM SIDE OF CHANNEL CONSTRICTOR
X1    871.970      4.000    474.600    525.400      4.000      4.000      4.000       .000       .000       .000
X2       .000       .000      1.000   1366.440   1369.520       .000       .000       .000       .000       .000
BT      4.000    474.600   1369.520   1366.440    490.000   1369.520   1366.440    510.000   1369.520   1366.440
BT    525.400   1369.520   1366.440       .000       .000       .000       .000       .000       .000       .000
GR   1370.500    474.600   1361.440    490.000   1361.440    510.000   1370.500    525.400       .000       .000

          DOWNSTREAM END OF WEIR
X1    872.020      4.000    474.600    525.400      5.000      5.000      5.000       .000       .000       .000
GR   1370.500    474.600   1361.450    490.000   1361.450    510.000   1370.500    525.400       .000       .000

          DOWNSTREAM END OF TRANSITION ABOVE DIVERSION FOR POND 1
X1    872.370      4.000    474.500    525.500     60.000     60.000     60.000       .000       .000       .000
GR   1370.600    474.500   1361.510    490.000   1361.510    510.000   1370.600    525.500       .000       .000

          UPSTREAM END OF TRANSITION ABOVE DIVERSION FOR POND 1
X1    872.470      4.000    473.900    526.100     10.000     10.000     10.000       .000       .000       .000
GR   1370.600    473.900   1361.530    492.000   1361.530    508.000   1370.600    526.100       .000       .000

          SLOPE BREAK ABOVE TRANSITION SECTION FOR POND 1
X1    873.000      4.000    473.000    527.000     53.000     53.000     53.000       .000       .000       .000
GR   1371.100    473.000   1361.640    492.000   1361.640    508.000   1371.100    527.000       .000       .000
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          SLOPE BREAK BELOW TRANSITION SECTION FOR POND 2
X1    878.390      4.000    473.000    527.000    539.000    539.000    539.000       .000       .000       .000
GR   1374.300    473.000   1364.760    492.000   1364.760    508.000   1374.300    527.000       .000       .000

          DOWNSTREAM END OF TRANSITION SECTION BELOW POND 2
X1    878.850      4.000    472.900    527.100     46.000     46.000     46.000       .000       .000       .000
GR   1374.400    472.900   1364.850    492.000   1364.850    508.000   1374.400    527.100       .000       .000

          UPSTREAM END OF TRANSITION SECTION BELOW POND 2
X1    878.950      4.000    473.800    526.200     10.000     10.000     10.000       .000       .000       .000
GR   1374.400    473.800   1364.870    490.000   1364.870    510.000   1374.400    526.200       .000       .000

          FLOW CONSTRICTOR FOR POND 2
X1    879.050      4.000    473.700    526.300     10.000     10.000     10.000       .000       .000       .000
GR   1374.500    473.700   1364.890    490.000   1364.890    510.000   1374.500    526.300       .000       .000

SB       .000      1.560      2.560       .000     20.000       .000    161.400      1.700       .000       .000
          UPSTREAM SIDE OF FLOW CONSTRICTOR FOR POND 2
X1    879.090      4.000    473.700    526.300      4.000      4.000      4.000       .000       .000       .000
X2       .000       .000      1.000   1370.400   1373.480       .000       .000       .000       .000       .000
BT      4.000    473.700   1373.480   1370.400    490.000   1373.480   1370.400    510.000   1373.480   1370.400
BT    526.300   1373.480   1370.400       .000       .000       .000       .000       .000       .000       .000
GR   1374.500    473.700   1364.900    490.000   1364.900    510.000   1374.500    526.300       .000       .000

          DOWNSTREAM END OF WEIR
X1    879.140      4.000    473.700    526.300      5.000      5.000      5.000       .000       .000       .000
GR   1374.500    473.700   1364.910    490.000   1364.910    510.000   1374.500    526.300       .000       .000

          DOWNSTREAM END OF TRANSITION SECTION ABOVE POND 2
X1    879.740      4.000    472.900    527.300     60.000     60.000     60.000       .000       .000       .000
GR   1375.100    472.900   1365.030    490.000   1365.030    510.000   1375.200    527.300       .000       .000

          UPSTREAM END OF TRANSITION SECTION ABOVE POND 2
X1    879.840      4.000    471.900    528.500     10.000     10.000     10.000       .000       .000       .000
GR   1375.100    471.900   1365.050    492.000   1365.050    508.000   1375.300    528.500       .000       .000

X1    879.990      4.000    473.000    527.000     15.000     15.000     15.000       .000       .000       .000
GR   1374.600    473.000   1365.080    492.000   1365.080    508.000   1374.600    527.000       .000       .000

          SLOPE BREAK BELOW TRANSITION FOR 72nd BOX
X1    883.000      4.000    473.000    527.000    301.000    301.000    301.000       .000       .000       .000
GR   1379.000    473.000   1369.540    492.000   1369.540    508.000   1379.000    527.000       .000       .000

          DOWNSTREAM END OF TRANSITION SECTION FOR 72nd BOX
X1    883.480      4.000    473.000    527.000     48.000     48.000     48.000       .000       .000       .000
GR   1379.200    473.000   1369.800    492.000   1369.800    508.000   1379.200    527.000       .000       .000

          UPSTREAM END OF TRANSITION FOR 72nd BOX (AT BOX)
X1    883.730      4.000    487.500    512.500     25.000     25.000     25.000       .000       .000       .000
GR   1379.500    487.500   1369.980    487.500   1369.980    512.500   1379.500    512.500       .000       .000
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SB      1.250      1.560      2.560       .000     25.000      1.000    192.000       .000   1370.890   1369.980
          UPSTREAM END OF 72nd STREET BOX CULVERT
X1    885.110      4.000    487.500    512.500    138.000    138.000    138.000       .000       .000       .000
X2       .000       .000      1.000   1378.890   1379.890       .000       .000       .000       .000       .000
BT      4.000    487.500   1379.890   1378.890    487.500   1379.890   1378.890    512.500   1379.890   1378.890
BT    512.500   1379.890   1378.890       .000       .000       .000       .000       .000       .000       .000
GR   1380.400    487.500   1370.890    487.500   1370.890    512.500   1380.400    512.500       .000       .000

          UPSTREAM END OF TRANSITION SECTION ABOVE 72nd BOX
X1    885.370      4.000    475.000    525.000     26.000     26.000     26.000       .000       .000       .000
GR   1380.700    475.000   1371.020    494.000   1371.020    506.000   1380.700    525.000       .000       .000

          SLOPE BREAK BELOW DIVERSION STRUCTURE FOR POND 3
X1    889.450      4.000    475.000    525.000    393.000    393.000    393.000       .000       .000       .000
GR   1382.700    475.000   1373.220    494.000   1373.220    506.000   1382.700    525.000       .000       .000

          DOWNSTREAM END OF TRANSITION SECTION BELOW POND 3
X1    889.880      4.000    474.200    526.400     43.000     43.000     43.000       .000       .000       .000
GR   1383.200    474.200   1373.310    494.000   1373.310    506.000   1383.500    526.400       .000       .000

          UPSTREAM END OF TRANSITION SECTION BELOW POND 3
X1    889.980      4.000    474.000    526.300     10.000     10.000     10.000       .000       .000       .000
GR   1383.300    474.000   1373.330    490.000   1373.330    510.000   1383.500    526.300       .000       .000

          FLOW CONSTRICTOR FOR POND 3
X1    890.080      4.000    473.600    526.400     10.000     10.000     10.000       .000       .000       .000
GR   1383.600    473.600   1373.350    490.000   1373.350    510.000   1383.600    526.400       .000       .000

SB       .000      1.560      2.560       .000     20.000       .000    205.800      1.600       .000       .000
          UPSTREAM SIDE OF FLOW CONSTRICTOR FOR POND 3
X1    890.120      4.000    473.600    526.400      4.000      4.000      4.000       .000       .000       .000
X2       .000       .000      1.000   1380.050   1383.130       .000       .000       .000       .000       .000
BT      4.000    473.600   1383.130   1380.050    490.000   1383.130   1380.050    510.000   1383.130   1380.050
BT    526.400   1383.130   1380.050       .000       .000       .000       .000       .000       .000       .000
GR   1383.600    473.600   1373.350    490.000   1373.350    510.000   1383.600    526.400       .000       .000

          DOWNSTREAM END OF WEIR
X1    890.170      4.000    473.600    526.400      5.000      5.000      5.000       .000       .000       .000
GR   1383.600    473.600   1373.360    490.000   1373.360    510.000   1383.600    526.400       .000       .000

          DOWNSTREAM END OF TRANSITION SECTION ABOVE POND 3
X1    890.770      4.000    473.200    526.800     60.000     60.000     60.000       .000       .000       .000
GR   1384.000    473.200   1373.510    490.000   1373.510    510.000   1384.000    526.800       .000       .000

          UPSTREAM END OF TRANSITION SECTION ABOVE POND 3
X1    890.870      4.000    472.900    527.100     10.000     10.000     10.000       .000       .000       .000
GR   1384.100    472.900   1373.530    494.000   1373.530    506.000   1384.100    527.100       .000       .000
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          SLOPE BREAK ABOVE TRANSITION SECTION FOR POND 3
X1    891.030      4.000    475.000    525.000      6.000      6.000      6.000       .000       .000       .000
GR   1383.000    475.000   1373.540    494.000   1373.540    506.000   1383.000    525.000       .000       .000

          72nd STREET CHANNEL
X1    891.590      4.000    475.000    525.000     58.000     58.000     58.000       .000       .000       .000
GR   1383.800    475.000   1374.270    494.000   1374.270    506.000   1383.800    525.000       .000       .000

          SLOPE BREAK BELOW DIVERSION STRUCTURE FOR POND 4
X1    896.450      4.000    475.000    525.000    503.000    503.000    503.000       .000       .000       .000
GR   1388.400    475.000   1378.900    494.000   1378.900    506.000   1388.400    525.000       .000       .000

          DOWNSTREAM END OF TRANSITION SECTION BELOW POND 4
X1    896.680      4.000    475.900    526.100     23.000     23.000     23.000       .000       .000       .000
GR   1388.000    475.900   1378.950    494.000   1378.950    506.000   1389.000    526.100       .000       .000

          UPSTREAM END OF TRANSITION SECTION BELOW POND 4
X1    896.780      4.000    475.600    526.200     10.000     10.000     10.000       .000       .000       .000
GR   1388.000    475.600   1378.970    490.000   1378.970    510.000   1389.100    526.200       .000       .000

          FLOW CONSTRICTOR FOR POND 4
X1    896.880      4.000    475.600    526.300     10.000     10.000     10.000       .000       .000       .000
GR   1388.000    475.600   1378.990    490.000   1378.990    510.000   1389.200    526.300       .000       .000

SB       .000      1.560      2.560       .000     20.000       .000    159.500      1.600       .000       .000
          UPSTREAM SIDE OF FLOW CONSTRICTOR FOR POND 4
X1    896.920      4.000    475.400    526.300      4.000      4.000      4.000       .000       .000       .000
X2       .000       .000      1.000   1384.530   1387.610       .000       .000       .000       .000       .000
BT      4.000    475.400   1387.610   1384.530    490.000   1387.610   1384.530    510.000   1387.610   1384.530
BT    526.300   1387.610   1384.530       .000       .000       .000       .000       .000       .000       .000
GR   1388.100    475.400   1379.000    490.000   1379.000    510.000   1389.200    526.300       .000       .000

          DOWNSTREAM END OF WEIR
X1    896.970      4.000    475.500    526.300      5.000      5.000      5.000       .000       .000       .000
GR   1388.100    475.500   1379.010    490.000   1379.010    510.000   1389.200    526.300       .000       .000

          DOWNSTREAM END OF TRANSITION SECTION ABOVE POND 4
X1    897.570      4.000    475.000    526.300     60.000     60.000     60.000       .000       .000       .000
GR   1388.500    475.000   1379.130    490.000   1379.130    510.000   1389.500    526.300       .000       .000

          UPSTREAM END OF TRANSITION SECTION ABOVE POND 4
X1    897.670      4.000    475.300    526.700     10.000     10.000     10.000       .000       .000       .000
GR   1388.500    475.300   1379.150    494.000   1379.150    506.000   1389.500    526.700       .000       .000

          SLOPE BREAK ABOVE TRANSITION SECTION FOR POND 4
X1    898.030      4.000    475.000    525.000     36.000     36.000     36.000       .000       .000       .000
GR   1388.700    475.000   1379.220    494.000   1379.220    506.000   1388.700    525.000       .000       .000
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          SLOPE BREAK BELOW DIVERSION STRUCTURE FOR POND 5
X1    902.440      4.000    475.000    525.000    441.000    441.000    441.000       .000       .000       .000
GR   1392.100    475.000   1382.550    494.000   1382.550    506.000   1392.100    525.000       .000       .000

          DOWNSTREAM END OF TRANSITION SECTION BELOW POND 5
X1    902.620      4.000    475.600    522.800     18.000     18.000     18.000       .000       .000       .000
GR   1391.800    475.600   1382.590    494.000   1382.590    506.000   1391.000    522.800       .000       .000

          UPSTREAM END OF TRANSITION SECTION BELOW POND 5
X1    902.720      4.000    475.100    523.400     10.000     10.000     10.000       .000       .000       .000
GR   1391.900    475.100   1382.610    490.000   1382.610    510.000   1391.000    523.400       .000       .000

          FLOW CONSTRICTOR FOR POND 5
X1    902.820      4.000    475.000    524.200     10.000     10.000     10.000       .000       .000       .000
GR   1392.000    475.000   1382.620    490.000   1382.620    510.000   1391.500    524.200       .000       .000

SB       .000      1.560      2.560       .000     20.000       .000    177.600      1.600       .000       .000
          UPSTREAM SIDE OF FLOW CONSTRICTOR FOR POND 5
X1    902.860      4.000    475.000    524.200      4.000      4.000      4.000       .000       .000       .000
X2       .000       .000      1.000   1388.630   1391.710       .000       .000       .000       .000       .000
BT      4.000    475.000   1391.710   1388.630    490.000   1391.710   1388.630    510.000   1391.710   1388.630
BT    524.200   1391.710   1388.630       .000       .000       .000       .000       .000       .000       .000
GR   1392.000    475.000   1382.630    490.000   1382.630    510.000   1391.500    524.200       .000       .000

          DOWNSTREAM END OF WEIR
X1    902.910      4.000    475.000    524.200      5.000      5.000      5.000       .000       .000       .000
GR   1392.000    475.000   1382.640    490.000   1382.640    510.000   1391.500    524.200       .000       .000

          DOWNSTREAM END OF TRANSITION SECTION ABOVE POND 5
X1    903.900      4.000    474.200    526.300     99.000     99.000     99.000       .000       .000       .000
GR   1392.700    474.200   1382.840    490.000   1382.840    510.000   1393.000    526.300       .000       .000

          UPSTREAM END OF TRANSITION SECTION ABOVE POND 5
X1    904.000      4.000    474.300    526.300     10.000     10.000     10.000       .000       .000       .000
GR   1392.700    474.300   1382.860    494.000   1382.860    510.000   1393.000    526.300       .000       .000

          EDGE OF SOSSAMAN ROAD CHANNEL
X1    904.010      4.000    475.000    525.000      1.000      1.000      1.000       .000       .000       .000
GR   1392.400    475.000   1382.860    494.000   1382.860    506.000   1392.400    525.000       .000       .000

          SLOPE BREAK ABOVE TRANSITION SECTION FOR POND 5
X1    904.040      4.000    475.000    525.000      3.000      3.000      3.000       .000       .000       .000
GR   1392.400    475.000   1382.870    494.000   1382.870    506.000   1392.400    525.000       .000       .000

          SLOPE BREAK BELOW DIVERSION STRUCTURE FOR POND 6
X1    906.440      4.000    475.000    525.000    240.000    240.000    240.000       .000       .000       .000
GR   1395.700    475.000   1386.150    494.000   1386.150    506.000   1395.700    525.000       .000       .000
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          DOWNSTREAM END OF TRANSITION SECTION BELOW POND 6
X1    906.560      4.000    477.300    520.700     12.000     12.000     12.000       .000       .000       .000
GR   1394.500    477.300   1386.170    494.000   1386.170    506.000   1393.500    520.700       .000       .000

          UPSTREAM END OF TRANSITION SECTION BELOW POND 6
X1    906.660      4.000    476.500    521.700     10.000     10.000     10.000       .000       .000       .000
GR   1394.600    476.500   1386.190    490.000   1386.190    510.000   1393.500    521.700       .000       .000

          FLOW CONSTRICTOR FOR POND 6
X1    906.760      4.000    476.400    521.800     10.000     10.000     10.000       .000       .000       .000
GR   1394.700    476.400   1386.210    490.000   1386.210    510.000   1393.600    521.800       .000       .000

SB       .000      1.560      2.560       .000     20.000       .000    132.900      1.600       .000       .000
          UPSTREAM SIDE OF FLOW CONSTRICTOR FOR POND 6
X1    906.800      4.000    476.400    521.800      4.000      4.000      4.000       .000       .000       .000
X2       .000       .000      1.000   1391.020   1394.100       .000       .000       .000       .000       .000
BT      4.000    476.400   1394.100   1391.020    490.000   1394.100   1391.020    510.000   1394.100   1391.020
BT    521.800   1394.100   1391.020       .000       .000       .000       .000       .000       .000       .000
GR   1394.700    476.400   1386.220    490.000   1386.220    510.000   1393.600    521.800       .000       .000

          DOWNSTREAM END OF WEIR
X1    906.850      4.000    476.400    521.800      5.000      5.000      5.000       .000       .000       .000
GR   1394.700    476.400   1386.230    490.000   1386.230    510.000   1393.600    521.800       .000       .000

          DOWNSTREAM END OF TRANSITION SECTION ABOVE POND 6
X1    907.450      4.000    476.000    522.100     60.000     60.000     60.000       .000       .000       .000
GR   1395.100    476.000   1386.350    490.000   1386.350    510.000   1393.900    522.100       .000       .000

          UPSTREAM END OF TRANSITION SECTION ABOVE POND 6
X1    907.550      4.000    476.300    521.300     10.000     10.000     10.000       .000       .000       .000
GR   1395.200    476.300   1386.370    494.000   1386.370    506.000   1394.000    521.300       .000       .000

          SLOPE BREAK ABOVE TRANSITION SECTION FOR POND 6
X1    908.040      4.000    475.000    521.800     49.000     49.000     49.000       .000       .000       .000
GR   1396.000    475.000   1386.470    494.000   1386.470    506.000   1396.000    521.800       .000       .000

          SLOPE BREAK BELOW DIVERSION STRUCTURE FOR POND 7
X1    912.440      4.000    475.000    521.800    440.000    440.000    440.000       .000       .000       .000
GR   1399.100    475.000   1389.580    494.000   1389.580    506.000   1399.100    521.800       .000       .000

          DOWNSTREAM END OF TRANSITION SECTION BELOW POND 7
X1    912.710      4.000    479.300    520.900     27.000     27.000     27.000       .000       .000       .000
GR   1397.000    479.300   1389.630    494.000   1389.630    506.000   1397.100    520.900       .000       .000

          UPSTREAM END OF TRANSITION SECTION BELOW POND 7
X1    912.810      4.000    478.100    522.100     10.000     10.000     10.000       .000       .000       .000
GR   1397.100    478.100   1389.650    490.000   1389.650    510.000   1397.200    522.100       .000       .000
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          FLOW CONSTRICTOR FOR POND 7
X1    912.910      4.000    478.000    522.200     10.000     10.000     10.000       .000       .000       .000
GR   1397.200    478.000   1389.670    490.000   1389.670    510.000   1397.300    522.200       .000       .000

SB       .000      1.560      2.560       .000     20.000       .000    141.400      1.600       .000       .000
          UPSTREAM SIDE OF FLOW CONSTRICTOR FOR POND 7
X1    912.950      4.000    478.000    522.200      4.000      4.000      4.000       .000       .000       .000
X2       .000       .000      1.000   1394.720   1397.800       .000       .000       .000       .000       .000
BT      4.000    478.000   1397.800   1394.720    490.000   1397.800   1394.720    510.000   1397.800   1394.720
BT    522.200   1397.800   1394.720       .000       .000       .000       .000       .000       .000       .000
GR   1397.200    478.000   1389.680    490.000   1389.680    510.000   1397.300    522.200       .000       .000

          DOWNSTREAM END OF WEIR
X1    913.000      4.000    478.000    522.200      5.000      5.000      5.000       .000       .000       .000
GR   1397.200    478.000   1389.690    490.000   1389.690    510.000   1397.300    522.200       .000       .000

          DOWNSTREAM END OF TRANSITION SECTION ABOVE POND 7
X1    913.600      4.000    477.700    522.500     60.000     60.000     60.000       .000       .000       .000
GR   1397.500    477.700   1389.810    490.000   1389.810    510.000   1397.600    522.500       .000       .000

          UPSTREAM END OF TRANSITION SECTION ABOVE POND 7
X1    913.700      4.000    478.500    521.700     10.000     10.000     10.000       .000       .000       .000
GR   1397.600    478.500   1389.830    494.000   1389.830    506.000   1397.700    521.700       .000       .000

          DOWNSTREAM END OF TRANSITION FOR SOSSAMAN RD. BOX
X1    916.610      4.000    475.000    525.000    343.000    343.000    343.000       .000       .000       .000
GR   1400.000    475.000   1390.540    494.000   1390.540    506.000   1400.000    525.000       .000       .000

          DOWNSTREAM END OF SOSSAMAN ROAD BOX
X1    916.960      4.000    489.500    510.500     35.000     35.000     35.000       .000       .000       .000
GR   1399.500    489.500   1392.990    489.500   1392.990    510.500   1399.500    510.500       .000       .000

SB      1.250      1.560      2.560       .000     21.000      1.000    120.000       .000   1394.120   1392.990
          UPSTREAM END OF SOSSAMAN RD. BOX
X1    918.640      4.000    489.500    510.500    168.000    168.000    168.000       .000       .000       .000
X2       .000       .000      1.000   1400.120   1401.120       .000       .000       .000       .000       .000
BT      4.000    475.000   1401.120   1400.120    489.500   1401.120   1400.120    510.500   1401.120   1400.120
BT    525.000   1401.120   1400.120       .000       .000       .000       .000       .000       .000       .000
GR   1400.500    489.500   1394.120    489.500   1394.120    510.500   1400.500    510.500       .000       .000

          UPSTREAM END OF TRANSITION SECTION ABOVE SOSSAMAN RD.
X1    919.050      4.000    475.000    525.000     41.000     41.000     41.000       .000       .000       .000
GR   1403.900    475.000   1394.390    494.000   1394.390    506.000   1403.900    525.000       .000       .000

          SLOPE BREAK AT BEGINING OF ACCESS RAMP
X1    927.010      4.000    475.000    525.000    797.000    797.000    797.000       .000       .000       .000
GR   1409.200    475.000   1399.730    494.000   1399.730    506.000   1409.200    525.000       .000       .000
```

X1	928.060	4.000	475.000	525.000	105.000	105.000	105.000	.000	.000	.000
GR	1409.500	475.000	1399.990	494.000	1399.990	506.000	1409.500	525.000	.000	.000
EJ	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

THIS RUN EXECUTED 07/06/88 16:52:14

```
**************************************************
  HEC2 RELEASE DATED NOV 76 UPDATED MAY  1984
  ERROR CORR -  01,02,03,04,05,06
  MODIFICATION -  50,51,52,53,54,55,56
  IBM-PC-XT VERSION
**************************************************
```

T1 BACKWATER CURVE FROM THE RWCD TO THE UPSTREAM END OF
T2 CHANNEL #1. RANGE OF FLOWS
600 TO 1900 cfs
T3 DIVERSION TABLE DEPTHS

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-10.	3.	0.	0.	-1.000000	.00	.0	0.	1415.000	.000

J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	2.000	.000	-1.000	.000	.000	.000	.000	.000	.000	.000

THIS RUN EXECUTED 07/06/88 16:52:42

```
**************************************************
  HEC2 RELEASE DATED NOV 76 UPDATED MAY  1984
  ERROR CORR -  01,02,03,04,05,06
  MODIFICATION -  50,51,52,53,54,55,56
  IBM-PC-XT VERSION
**************************************************
```

T1 BACKWATER CURVE FROM THE RWCD TO THE UPSTREAM END OF
T2 CHANNEL #1. RANGE OF FLOWS
600 TO 1900 cfs
T3 DIVERSION TABLE DEPTHS

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-10.	4.	0.	0.	-1.000000	.00	.0	0.	1415.000	.000

J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	3.000	.000	-1.000	.000	.000	.000	.000	.000	.000	.000

THIS RUN EXECUTED 07/06/88 16:53:09

```
**************************************************
  HEC2 RELEASE DATED NOV 76 UPDATED MAY  1984
  ERROR CORR -  01,02,03,04,05,06
  MODIFICATION -  50,51,52,53,54,55,56
  IBM-PC-XT VERSION
**************************************************
```

T1 BACKWATER CURVE FROM THE RWCD TO THE UPSTREAM END OF
T2 CHANNEL #1. RANGE OF FLOWS
600 TO 1900 cfs
T3 DIVERSION TABLE DEPTHS

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-10.	5.	0.	0.	-1.000000	.00	.0	0.	1415.000	.000

J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	4.000	.000	-1.000	.000	.000	.000	.000	.000	.000	.000

THIS RUN EXECUTED 07/06/88 16:53:37

```
**************************************************
  HEC2 RELEASE DATED NOV 76 UPDATED MAY  1984
  ERROR CORR -  01,02,03,04,05,06
  MODIFICATION -  50,51,52,53,54,55,56
  IBM-PC-XT VERSION
**************************************************
```

T1 BACKWATER CURVE FROM THE RWCD TO THE UPSTREAM END OF
T2 CHANNEL #1. RANGE OF FLOWS
600 TO 1900 cfs
T3 DIVERSION TABLE DEPTHS

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-10.	6.	0.	0.	-1.000000	.00	.0	0.	1415.000	.000

J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	5.000	.000	-1.000	.000	.000	.000	.000	.000	.000	.000

THIS RUN EXECUTED 07/06/88 16:54:04

```
**************************************************
  HEC2 RELEASE DATED NOV 76 UPDATED MAY  1984
  ERROR CORR -  01,02,03,04,05,06
  MODIFICATION -  50,51,52,53,54,55,56
  IBM-PC-XT VERSION
**************************************************
```

T1 BACKWATER CURVE FROM THE RWCD TO THE UPSTREAM END OF
T2 CHANNEL #1. RANGE OF FLOWS
600 TO 1900 cfs
T3 DIVERSION TABLE DEPTHS

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-10.	7.	0.	0.	-1.000000	.00	.0	0.	1415.000	.000
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	6.000	.000	-1.000	.000	.000	.000	.000	.000	.000	.000

THIS RUN EXECUTED 07/06/88 16:54:32

```
**************************************************
  HEC2 RELEASE DATED NOV 76 UPDATED MAY  1984
  ERROR CORR -  01,02,03,04,05,06
  MODIFICATION -  50,51,52,53,54,55,56
  IBM-PC-XT VERSION
**************************************************
```

T1 BACKWATER CURVE FROM THE RWCD TO THE UPSTREAM END OF
T2 CHANNEL #1. RANGE OF FLOWS
600 TO 1900 cfs
T3 DIVERSION TABLE DEPTHS

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-10.	8.	0.	0.	-1.000000	.00	.0	0.	1415.000	.000

J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	7.000	.000	-1.000	.000	.000	.000	.000	.000	.000	.000

THIS RUN EXECUTED 07/06/88 16:55:00

```
**************************************************
  HEC2 RELEASE DATED NOV 76 UPDATED MAY  1984
  ERROR CORR -  01,02,03,04,05,06
  MODIFICATION -  50,51,52,53,54,55,56
  IBM-PC-XT VERSION
**************************************************
```

T1 BACKWATER CURVE FROM THE RWCD TO THE UPSTREAM END OF
T2 CHANNEL #1. RANGE OF FLOWS
600 TO 1900 cfs
T3 DIVERSION TABLE DEPTHS

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-10.	9.	0.	0.	-1.000000	.00	.0	0.	1415.000	.000

J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	8.000	.000	-1.000	.000	.000	.000	.000	.000	.000	.000

THIS RUN EXECUTED 07/06/88 16:55:28

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**************************************************
  HEC2 RELEASE DATED NOV 76 UPDATED MAY  1984
  ERROR CORR -  01,02,03,04,05,06
  MODIFICATION -  50,51,52,53,54,55,56
  IBM-PC-XT VERSION
**************************************************
```

T1 BACKWATER CURVE FROM THE RWCD TO THE UPSTREAM END OF
T2 CHANNEL #1, RANGE OF FLOWS
600 TO 1900 cfs
T3 DIVERSION TABLE DEPTHS

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-10.	10.	0.	0.	-1.000000	.00	.0	0.	1415.000	.000

J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	9.000	.000	-1.000	.000	.000	.000	.000	.000	.000	.000

THIS RUN EXECUTED 07/06/88 16:55:56

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**************************************************
  HEC2 RELEASE DATED NOV 76 UPDATED MAY  1984
  ERROR CORR -  01,02,03,04,05,06
  MODIFICATION -  50,51,52,53,54,55,56
  IBM-PC-XT VERSION
**************************************************
```

T1 BACKWATER CURVE FROM THE RWCD TO THE UPSTREAM END OF
T2 CHANNEL #1. RANGE OF FLOWS
600 TO 1900 cfs
T3 DIVERSION TABLE DEPTHS

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-10.	11.	0.	0.	-1.000000	.00	.0	0.	1415.000	.000
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	10.000	.000	-1.000	.000	.000	.000	.000	.000	.000	.000

THIS RUN EXECUTED 07/06/88 16:56:23

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**************************************************
  HEC2 RELEASE DATED NOV 76 UPDATED MAY  1984
  ERROR CORR -  01,02,03,04,05,06
  MODIFICATION -  50,51,52,53,54,55,56
  IBM-PC-XT VERSION
**************************************************
```

T1 BACKWATER CURVE FROM THE RWCD TO THE UPSTREAM END OF
T2 CHANNEL #1. RANGE OF FLOWS
600 TO 1900 cfs
T3 DIVERSION TABLE DEPTHS

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-10.	12.	0.	0.	-1.000000	.00	.0	0.	1415.000	.000
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	11.000	.000	-1.000	.000	.000	.000	.000	.000	.000	.000

THIS RUN EXECUTED 07/06/88 16:56:51

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**************************************************
  HEC2 RELEASE DATED NOV 76 UPDATED MAY  1984
  ERROR CORR -  01,02,03,04,05,06
  MODIFICATION -  50,51,52,53,54,55,56
  IBM-PC-XT VERSION
**************************************************
```

T1 BACKWATER CURVE FROM THE RWCD TO THE UPSTREAM END OF
T2 CHANNEL #1. RANGE OF FLOWS
600 TO 1900 cfs
T3 DIVERSION TABLE DEPTHS

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-10.	13.	0.	0.	-1.000000	.00	.0	0.	1415.000	.000
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	12.000	.000	-1.000	.000	.000	.000	.000	.000	.000	.000

THIS RUN EXECUTED 07/06/88 16:57:19

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**************************************************
  HEC2 RELEASE DATED NOV 76 UPDATED MAY  1984
  ERROR CORR -  01,02,03,04,05,06
  MODIFICATION -  50,51,52,53,54,55,56
  IBM-PC-XT VERSION
**************************************************
```

T1 BACKWATER CURVE FROM THE RWCD TO THE UPSTREAM END OF
T2 CHANNEL #1. RANGE OF FLOWS
600 TO 1900 cfs
T3 DIVERSION TABLE DEPTHS

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-10.	14.	0.	0.	-1.000000	.00	.0	0.	1415.000	.000

J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	13.000	.000	-1.000	.000	.000	.000	.000	.000	.000	.000

THIS RUN EXECUTED 07/06/88 16:57:47

```
**************************************************
  HEC2 RELEASE DATED NOV 76 UPDATED MAY  1984
  ERROR CORR -  01,02,03,04,05,06
  MODIFICATION -  50,51,52,53,54,55,56
  IBM-PC-XT VERSION
**************************************************
```

T1 BACKWATER CURVE FROM THE RWCD TO THE UPSTREAM END OF
T2 CHANNEL #1. RANGE OF FLOWS
600 TO 1900 cfs
T3 DIVERSION TABLE DEPTHS

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-10.	15.	0.	0.	-1.000000	.00	.0	0.	1415.000	.000

J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	15.000	.000	-1.000	.000	.000	.000	.000	.000	.000	.000

THIS RUN EXECUTED 07/06/88 16:58:16

```
**************************************************
  HEC2 RELEASE DATED NOV 76 UPDATED MAY  1984
  ERROR CORR -  01,02,03,04,05,06
  MODIFICATION -  50,51,52,53,54,55,56
  IBM-PC-XT VERSION
**************************************************
```

NOTE- ASTERISK (*) AT LEFT OF CROSS-SECTION NUMBER INDICATES MESSAGE IN SUMMARY OF ERRORS LIST

Q RANGES FROM 600 TO 19

SUMMARY PRINTOUT TABLE 105

	SECNO	CWSEL	HL	OLOSS	TOPWID	QLOB	QCH	QROB
*	863.910	1362.10	1.16	.00	33.31	.00	1300.00	.00
*	863.910	1362.21	1.16	.00	33.71	.00	1350.00	.00
*	863.910	1362.31	1.15	.00	34.11	.00	1400.00	.00
*	863.910	1362.41	1.15	.00	34.50	.00	1450.00	.00
*	863.910	1362.51	1.14	.00	34.88	.00	1500.00	.00
*	863.910	1362.61	1.14	.00	35.25	.00	1550.00	.00
*	863.910	1362.71	1.13	.00	35.62	.00	1600.00	.00
*	863.910	1362.80	1.13	.00	35.98	.00	1650.00	.00
*	863.910	1362.90	1.12	.00	36.34	.00	1700.00	.00
*	863.910	1362.99	1.12	.00	36.69	.00	1750.00	.00
*	863.910	1363.08	1.12	.00	37.03	.00	1800.00	.00
*	863.910	1363.17	1.11	.00	37.37	.00	1850.00	.00
*	863.910	1363.26	1.11	.00	37.71	.00	1900.00	.00
*	863.910	1363.35	1.11	.00	38.04	.00	1950.00	.00
*	864.210	1362.09	.09	.20	21.00	.00	1300.00	.00
*	864.210	1362.21	.09	.21	21.00	.00	1350.00	.00
*	864.210	1362.33	.09	.22	21.00	.00	1400.00	.00
*	864.210	1362.45	.09	.23	21.00	.00	1450.00	.00
*	864.210	1362.57	.09	.23	21.00	.00	1500.00	.00
*	864.210	1362.66	.09	.25	21.00	.00	1550.00	.00
*	864.210	1362.79	.09	.26	21.00	.00	1600.00	.00
*	864.210	1362.91	.09	.27	21.00	.00	1650.00	.00
*	864.210	1363.03	.09	.28	21.00	.00	1700.00	.00
*	864.210	1363.15	.09	.28	21.00	.00	1750.00	.00
*	864.210	1363.27	.09	.29	21.00	.00	1800.00	.00
*	864.210	1363.38	.09	.30	21.00	.00	1850.00	.00
*	864.210	1363.50	.09	.31	21.00	.00	1900.00	.00
*	864.210	1363.61	.09	.32	21.00	.00	1950.00	.00

	SECNO	CWSEL	HL	OLOSS	TOPWID	QLOB	QCH	QROB
*	865.570	1364.30	1.25	.00	22.19	.00	1300.00	.00
*	865.570	1364.46	1.25	.00	22.83	.00	1350.00	.00
*	865.570	1364.62	1.25	.00	23.47	.00	1400.00	.00
*	865.570	1364.77	1.25	.00	24.09	.00	1450.00	.00
*	865.570	1364.93	1.25	.00	24.71	.00	1500.00	.00
*	865.570	1365.08	1.25	.00	25.32	.00	1550.00	.00
*	865.570	1365.67	1.45	.00	27.70	.00	1600.00	.00
*	865.570	1366.22	1.67	.00	29.91	.00	1650.00	.00
*	865.570	1366.77	1.90	.00	32.07	.00	1700.00	.00
*	865.570	1367.24	2.10	.00	33.94	.00	1750.00	.00
*	865.570	1367.58	2.22	.00	51.32	.00	1799.90	.10
*	865.570	1367.89	2.32	.00	112.42	.11	1843.97	5.91
*	865.570	1368.10	2.33	.00	158.23	.37	1879.90	19.72
*	865.570	1368.26	2.31	.00	188.84	.66	1914.31	35.03
	866.070	1365.38	.05	.09	44.71	.00	1300.00	.00
	866.070	1365.58	.05	.10	45.51	.00	1350.00	.00
	866.070	1365.77	.04	.10	46.28	.00	1400.00	.00
	866.070	1365.96	.04	.10	47.03	.00	1450.00	.00
	866.070	1366.15	.04	.11	47.76	.00	1500.00	.00
	866.070	1366.32	.04	.11	48.48	.00	1550.00	.00
	866.070	1366.72	.04	.09	50.09	.00	1600.00	.00
	866.070	1367.14	.03	.08	51.76	.00	1650.00	.00
	866.070	1367.57	.03	.07	70.21	.01	1699.95	.04
	866.070	1367.96	.02	.06	170.32	1.47	1742.85	5.68
	866.070	1368.27	.02	.06	247.98	5.38	1773.84	20.79
	866.070	1368.56	.02	.06	320.99	11.85	1792.35	45.80
	866.070	1368.76	.02	.06	369.95	17.93	1812.77	69.30
	866.070	1368.91	.02	.06	408.92	23.86	1833.89	92.25

871.830	1367.12	.02	.08	39.45	.00	1300.00	.00
871.830	1367.23	.02	.09	39.84	.00	1350.00	.00
871.830	1367.34	.02	.09	40.21	.00	1400.00	.00
871.830	1367.45	.02	.09	40.59	.00	1450.00	.00
871.830	1367.55	.02	.09	40.92	.00	1500.00	.00
871.830	1367.66	.02	.09	41.29	.00	1550.00	.00
871.830	1367.76	.02	.09	41.63	.00	1600.00	.00
871.830	1367.86	.02	.09	41.97	.00	1650.00	.00
871.830	1367.95	.02	.09	42.30	.00	1700.00	.00
871.830	1368.05	.01	.05	42.58	.00	1750.00	.00
871.830	1368.29	.01	.04	43.43	.00	1800.00	.00
871.830	1368.54	.01	.03	44.28	.00	1850.00	.00
871.830	1368.71	.01	.03	44.91	.00	1900.00	.00
871.830	1368.85	.01	.02	45.37	.00	1950.00	.00

SECNO	CWSEL	HL	OLOSS	TOPWID	QLOB	QCH	QROB
871.930	1367.13	.01	.00	39.37	.00	1300.00	.00
871.930	1367.24	.01	.00	39.75	.00	1350.00	.00
871.930	1367.35	.01	.00	40.12	.00	1400.00	.00
871.930	1367.46	.01	.00	40.49	.00	1450.00	.00
871.930	1367.56	.01	.00	40.83	.00	1500.00	.00
871.930	1367.66	.01	.00	41.19	.00	1550.00	.00
871.930	1367.76	.01	.00	41.53	.00	1600.00	.00
871.930	1367.86	.01	.00	41.87	.00	1650.00	.00
871.930	1367.96	.01	.00	42.20	.00	1700.00	.00
871.930	1368.06	.01	.00	42.52	.00	1750.00	.00
871.930	1368.30	.01	.00	43.34	.00	1800.00	.00
871.930	1368.54	.01	.00	44.17	.00	1850.00	.00
871.930	1368.72	.01	.00	44.77	.00	1900.00	.00
871.930	1368.85	.01	.00	45.24	.00	1950.00	.00
871.970	1368.66	1.10	.00	44.56	.00	1300.00	.00
871.970	1368.95	1.24	.00	45.54	.00	1350.00	.00
871.970	1369.20	1.35	.00	46.39	.00	1400.00	.00
871.970	1369.41	1.42	.00	47.09	.00	1450.00	.00
871.970	1369.59	1.49	.00	47.72	.00	1500.00	.00
871.970	1369.77	1.55	.00	48.34	.00	1550.00	.00
871.970	1369.94	1.60	.00	48.91	.00	1600.00	.00
871.970	1370.10	1.64	.00	49.46	.00	1650.00	.00
871.970	1370.26	1.68	.00	49.99	.00	1700.00	.00
871.970	1370.41	1.72	.00	50.50	.00	1750.00	.00
871.970	1370.64	1.75	.00	50.80	.00	1800.00	.00
871.970	1370.87	1.77	.00	50.80	.00	1850.00	.00
871.970	1371.06	1.79	.00	50.80	.00	1900.00	.00
871.970	1371.21	1.81	.00	50.80	.00	1950.00	.00
872.020	1368.66	.00	.00	44.55	.00	1300.00	.00
872.020	1368.95	.00	.00	45.53	.00	1350.00	.00
872.020	1369.20	.00	.00	46.38	.00	1400.00	.00
872.020	1369.41	.00	.00	47.09	.00	1450.00	.00
872.020	1369.59	.00	.00	47.72	.00	1500.00	.00
872.020	1369.77	.00	.00	48.34	.00	1550.00	.00
872.020	1369.94	.00	.00	48.91	.00	1600.00	.00
872.020	1370.10	.00	.00	49.46	.00	1650.00	.00
872.020	1370.26	.00	.00	49.99	.00	1700.00	.00
872.020	1370.41	.00	.00	50.50	.00	1750.00	.00
872.020	1370.64	.00	.00	50.80	.00	1800.00	.00
872.020	1370.87	.00	.00	50.80	.00	1850.00	.00
872.020	1371.06	.00	.00	50.80	.00	1900.00	.00
872.020	1371.21	.00	.00	50.80	.00	1950.00	.00

SECNO	CWSEL	HL	OLOSS	TOPWID	QLOB	QCH	QROB
878.950	1370.60	.01	.05	39.47	.00	1300.00	.00
878.950	1370.71	.01	.05	39.85	.00	1350.00	.00
878.950	1370.82	.01	.05	40.22	.00	1400.00	.00
878.950	1370.93	.01	.05	40.58	.00	1450.00	.00
878.950	1371.03	.01	.05	40.93	.00	1500.00	.00
878.950	1371.13	.01	.05	41.28	.00	1550.00	.00
878.950	1371.24	.01	.05	41.62	.00	1600.00	.00
878.950	1371.34	.01	.05	41.96	.00	1650.00	.00
878.950	1371.43	.01	.05	42.29	.00	1700.00	.00
878.950	1371.53	.01	.05	42.61	.00	1750.00	.00
878.950	1371.62	.01	.05	42.92	.00	1800.00	.00
878.950	1371.71	.01	.05	43.24	.00	1850.00	.00
878.950	1371.80	.01	.05	43.55	.00	1900.00	.00
878.950	1371.89	.01	.05	43.85	.00	1950.00	.00
879.050	1370.61	.01	.00	39.43	.00	1300.00	.00
879.050	1370.72	.01	.00	39.80	.00	1350.00	.00
879.050	1370.83	.01	.00	40.18	.00	1400.00	.00
879.050	1370.94	.01	.00	40.53	.00	1450.00	.00
879.050	1371.04	.01	.00	40.89	.00	1500.00	.00
879.050	1371.14	.01	.00	41.23	.00	1550.00	.00
879.050	1371.25	.01	.00	41.58	.00	1600.00	.00
879.050	1371.35	.01	.00	41.92	.00	1650.00	.00
879.050	1371.44	.01	.00	42.24	.00	1700.00	.00
879.050	1371.54	.01	.00	42.57	.00	1750.00	.00
879.050	1371.63	.01	.00	42.89	.00	1800.00	.00
879.050	1371.72	.01	.00	43.19	.00	1850.00	.00
879.050	1371.81	.01	.00	43.50	.00	1900.00	.00
879.050	1371.90	.01	.00	43.80	.00	1950.00	.00
879.090	1371.59	.67	.00	42.71	.00	1300.00	.00
879.090	1371.84	.77	.00	43.59	.00	1350.00	.00
879.090	1372.09	.87	.00	44.45	.00	1400.00	.00
879.090	1372.34	.98	.00	45.29	.00	1450.00	.00
879.090	1372.60	1.10	.00	46.16	.00	1500.00	.00
879.090	1372.85	1.22	.00	47.03	.00	1550.00	.00
879.090	1373.09	1.32	.00	47.82	.00	1600.00	.00
879.090	1373.28	1.39	.00	48.48	.00	1650.00	.00
879.090	1373.46	1.45	.00	49.07	.00	1700.00	.00
879.090	1373.63	1.50	.00	49.65	.00	1750.00	.00
879.090	1373.79	1.55	.00	50.20	.00	1800.00	.00
879.090	1373.94	1.60	.00	50.71	.00	1850.00	.00
879.090	1374.09	1.64	.00	51.21	.00	1900.00	.00
879.090	1374.23	1.68	.00	51.70	.00	1950.00	.00

	SECNO	CWSEL	HL	OLOSS	TOPWID	QLOB	QCH	QROB
	879.140	1371.59	.00	.00	42.71	.00	1300.00	.00
	879.140	1371.84	.00	.00	43.56	.00	1350.00	.00
	879.140	1372.09	.00	.00	44.43	.00	1400.00	.00
	879.140	1372.34	.00	.00	45.27	.00	1450.00	.00
	879.140	1372.60	.00	.00	46.14	.00	1500.00	.00
	879.140	1372.85	.00	.00	47.02	.00	1550.00	.00
	879.140	1373.09	.00	.00	47.81	.00	1600.00	.00
	879.140	1373.28	.00	.00	48.47	.00	1650.00	.00
	879.140	1373.46	.00	.00	49.07	.00	1700.00	.00
	879.140	1373.63	.00	.00	49.64	.00	1750.00	.00
	879.140	1373.79	.00	.00	50.19	.00	1800.00	.00
	879.140	1373.94	.00	.00	50.71	.00	1850.00	.00
	879.140	1374.09	.00	.00	51.21	.00	1900.00	.00
	879.140	1374.23	.00	.00	51.69	.00	1950.00	.00
*	883.480	1374.57	.13	.00	35.27	.00	1300.00	.00
*	883.480	1374.67	.13	.00	35.70	.00	1350.00	.00
*	883.480	1374.77	.13	.00	36.10	.00	1400.00	.00
*	883.480	1374.87	.13	.00	36.49	.00	1450.00	.00
*	883.480	1374.97	.13	.00	36.89	.00	1500.00	.00
*	883.480	1375.06	.13	.00	37.26	.00	1550.00	.00
*	883.480	1375.15	.13	.00	37.63	.00	1600.00	.00
*	883.480	1375.24	.13	.00	38.00	.00	1650.00	.00
*	883.480	1375.33	.13	.00	38.37	.00	1700.00	.00
*	883.480	1375.42	.13	.00	38.73	.00	1750.00	.00
*	883.480	1375.51	.12	.00	39.08	.00	1800.00	.00
*	883.480	1375.59	.12	.00	39.42	.00	1850.00	.00
*	883.480	1375.68	.12	.00	39.77	.00	1900.00	.00
*	883.480	1375.76	.12	.00	40.10	.00	1950.00	.00
*	883.730	1374.34	.08	.14	25.00	.00	1300.00	.00
*	883.730	1374.45	.08	.14	25.00	.00	1350.00	.00
*	883.730	1374.56	.08	.15	25.00	.00	1400.00	.00
*	883.730	1374.67	.08	.16	25.00	.00	1450.00	.00
*	883.730	1374.78	.08	.17	25.00	.00	1500.00	.00
*	883.730	1374.89	.08	.17	25.00	.00	1550.00	.00
*	883.730	1374.99	.08	.18	25.00	.00	1600.00	.00
*	883.730	1375.09	.08	.19	25.00	.00	1650.00	.00
*	883.730	1375.22	.07	.19	25.00	.00	1700.00	.00
*	883.730	1375.32	.07	.20	25.00	.00	1750.00	.00
*	883.730	1375.42	.07	.21	25.00	.00	1800.00	.00
*	883.730	1375.52	.07	.21	25.00	.00	1850.00	.00
*	883.730	1375.62	.07	.22	25.00	.00	1900.00	.00
*	883.730	1375.71	.07	.23	25.00	.00	1950.00	.00

	SECNO	CWSEL	HL	OLOSS	TOPWID	QLOB	QCH	QROB
*	885.110	1376.38	1.22	.00	25.00	.00	1300.00	.00
*	885.110	1376.52	1.23	.00	25.00	.00	1350.00	.00
*	885.110	1376.66	1.24	.00	25.00	.00	1400.00	.00
*	885.110	1376.80	1.25	.00	25.00	.00	1450.00	.00
*	885.110	1376.93	1.26	.00	25.00	.00	1500.00	.00
*	885.110	1377.06	1.26	.00	25.00	.00	1550.00	.00
*	885.110	1377.20	1.27	.00	25.00	.00	1600.00	.00
*	885.110	1377.33	1.28	.00	25.00	.00	1650.00	.00
*	885.110	1377.46	1.29	.00	25.00	.00	1700.00	.00
*	885.110	1377.58	1.29	.00	25.00	.00	1750.00	.00
*	885.110	1377.71	1.30	.00	25.00	.00	1800.00	.00
*	885.110	1377.84	1.31	.00	25.00	.00	1850.00	.00
*	885.110	1377.96	1.32	.00	25.00	.00	1900.00	.00
*	885.110	1379.66	2.30	.00	25.00	.00	1950.00	.00
*	885.370	1376.35	.06	.13	32.94	.00	1300.00	.00
*	885.370	1376.46	.06	.13	33.37	.00	1350.00	.00
*	885.370	1376.57	.06	.13	33.80	.00	1400.00	.00
*	885.370	1376.68	.06	.12	34.21	.00	1450.00	.00
*	885.370	1376.78	.06	.12	34.62	.00	1500.00	.00
*	885.370	1376.85	.06	.13	34.91	.00	1550.00	.00
	885.370	1376.97	.06	.12	35.36	.00	1600.00	.00
	885.370	1377.19	.05	.08	36.23	.00	1650.00	.00
	885.370	1377.38	.05	.06	36.98	.00	1700.00	.00
	885.370	1377.56	.05	.03	37.69	.00	1750.00	.00
	885.370	1377.75	.05	.01	38.40	.00	1800.00	.00
	885.370	1378.04	.05	.01	39.56	.00	1850.00	.00
	885.370	1378.28	.04	.02	40.47	.00	1900.00	.00
	885.370	1380.17	.02	.04	47.91	.00	1950.00	.00
	889.980	1379.93	.01	.08	41.15	.00	1300.00	.00
	889.980	1380.05	.01	.08	41.54	.00	1350.00	.00
	889.980	1380.17	.01	.09	41.92	.00	1400.00	.00
	889.980	1380.29	.01	.09	42.30	.00	1450.00	.00
	889.980	1380.40	.01	.09	42.66	.00	1500.00	.00
	889.980	1380.51	.01	.09	43.01	.00	1550.00	.00
	889.980	1380.62	.01	.09	43.36	.00	1600.00	.00
	889.980	1380.73	.01	.09	43.69	.00	1650.00	.00
	889.980	1380.83	.01	.09	44.02	.00	1700.00	.00
	889.980	1380.94	.01	.09	44.42	.00	1750.00	.00
	889.980	1381.04	.01	.10	44.74	.00	1800.00	.00
	889.980	1381.14	.01	.10	45.07	.00	1850.00	.00
	889.980	1381.24	.01	.10	45.38	.00	1900.00	.00
	889.980	1381.34	.01	.10	45.69	.00	1950.00	.00

SECNO	CWSEL	HL	OLOSS	TOPWID	QLOB	QCH	QROB
890.080	1379.93	.01	.00	41.10	.00	1300.00	.00
890.080	1380.06	.01	.00	41.49	.00	1350.00	.00
890.080	1380.18	.01	.00	41.88	.00	1400.00	.00
890.080	1380.30	.01	.00	42.25	.00	1450.00	.00
890.080	1380.41	.01	.00	42.61	.00	1500.00	.00
890.080	1380.52	.01	.00	42.96	.00	1550.00	.00
890.080	1380.63	.01	.00	43.31	.00	1600.00	.00
890.080	1380.73	.01	.00	43.65	.00	1650.00	.00
890.080	1380.84	.01	.00	43.98	.00	1700.00	.00
890.080	1380.95	.01	.00	44.34	.00	1750.00	.00
890.080	1381.05	.01	.00	44.67	.00	1800.00	.00
890.080	1381.15	.01	.00	44.99	.00	1850.00	.00
890.080	1381.25	.01	.00	45.30	.00	1900.00	.00
890.080	1381.34	.01	.00	45.61	.00	1950.00	.00
890.120	1380.35	.32	.00	42.44	.00	1300.00	.00
890.120	1380.55	.38	.00	43.07	.00	1350.00	.00
890.120	1380.75	.44	.00	43.71	.00	1400.00	.00
890.120	1380.95	.51	.00	44.35	.00	1450.00	.00
890.120	1381.15	.57	.00	44.98	.00	1500.00	.00
890.120	1381.35	.64	.00	45.62	.00	1550.00	.00
890.120	1381.56	.72	.00	46.27	.00	1600.00	.00
890.120	1381.76	.79	.00	46.91	.00	1650.00	.00
890.120	1381.96	.87	.00	47.57	.00	1700.00	.00
890.120	1382.17	.96	.00	48.25	.00	1750.00	.00
890.120	1382.38	1.04	.00	48.92	.00	1800.00	.00
890.120	1382.59	1.13	.00	49.59	.00	1850.00	.00
890.120	1382.78	1.20	.00	50.18	.00	1900.00	.00
890.120	1382.94	1.26	.00	50.71	.00	1950.00	.00
890.170	1380.35	.00	.00	42.41	.00	1300.00	.00
890.170	1380.55	.00	.00	43.05	.00	1350.00	.00
890.170	1380.75	.00	.00	43.69	.00	1400.00	.00
890.170	1380.95	.00	.00	44.33	.00	1450.00	.00
890.170	1381.15	.00	.00	44.97	.00	1500.00	.00
890.170	1381.35	.00	.00	45.60	.00	1550.00	.00
890.170	1381.56	.00	.00	46.26	.00	1600.00	.00
890.170	1381.76	.00	.00	46.90	.00	1650.00	.00
890.170	1381.96	.00	.00	47.55	.00	1700.00	.00
890.170	1382.18	.00	.00	48.24	.00	1750.00	.00
890.170	1382.38	.00	.00	48.91	.00	1800.00	.00
890.170	1382.59	.00	.00	49.59	.00	1850.00	.00
890.170	1382.78	.00	.00	50.17	.00	1900.00	.00
890.170	1382.94	.00	.00	50.71	.00	1950.00	.00

SECNO	CWSEL	HL	OLOSS	TOPWID	QLOB	QCH	QROB
896.780	1385.57	.01	.09	41.05	.00	1300.00	.00
896.780	1385.68	.01	.09	41.41	.00	1350.00	.00
896.780	1385.80	.01	.09	41.80	.00	1400.00	.00
896.780	1385.92	.01	.09	42.17	.00	1450.00	.00
896.780	1386.03	.01	.09	42.54	.00	1500.00	.00
896.780	1386.15	.01	.10	42.93	.00	1550.00	.00
896.780	1386.26	.01	.09	43.24	.00	1600.00	.00
896.780	1386.36	.01	.09	43.58	.00	1650.00	.00
896.780	1386.47	.01	.10	43.97	.00	1700.00	.00
896.780	1386.58	.01	.09	44.29	.00	1750.00	.00
896.780	1386.67	.01	.09	44.58	.00	1800.00	.00
896.780	1386.78	.01	.10	44.94	.00	1850.00	.00
896.780	1386.88	.01	.10	45.25	.00	1900.00	.00
896.780	1386.97	.01	.10	45.56	.00	1950.00	.00
896.880	1385.57	.01	.00	41.06	.00	1300.00	.00
896.880	1385.69	.01	.00	41.42	.00	1350.00	.00
896.880	1385.81	.01	.00	41.81	.00	1400.00	.00
896.880	1385.93	.01	.00	42.18	.00	1450.00	.00
896.880	1386.04	.01	.00	42.54	.00	1500.00	.00
896.880	1386.16	.01	.00	42.92	.00	1550.00	.00
896.880	1386.26	.01	.00	43.25	.00	1600.00	.00
896.880	1386.37	.01	.00	43.60	.00	1650.00	.00
896.880	1386.48	.01	.00	43.96	.00	1700.00	.00
896.880	1386.58	.01	.00	44.28	.00	1750.00	.00
896.880	1386.68	.01	.00	44.59	.00	1800.00	.00
896.880	1386.78	.01	.00	44.92	.00	1850.00	.00
896.880	1386.88	.01	.00	45.24	.00	1900.00	.00
896.880	1386.98	.01	.00	45.55	.00	1950.00	.00
896.920	1386.77	.96	.00	44.90	.00	1300.00	.00
896.920	1387.02	1.07	.00	45.68	.00	1350.00	.00
896.920	1387.24	1.15	.00	46.39	.00	1400.00	.00
896.920	1387.47	1.25	.00	47.13	.00	1450.00	.00
896.920	1387.65	1.30	.00	47.72	.00	1500.00	.00
896.920	1387.83	1.36	.00	48.30	.00	1550.00	.00
896.920	1388.00	1.40	.00	48.83	.00	1600.00	.00
896.920	1388.16	1.44	.00	49.24	.00	1650.00	.00
896.920	1388.32	1.48	.00	49.49	.00	1700.00	.00
896.920	1388.47	1.52	.00	49.73	.00	1750.00	.00
896.920	1388.61	1.55	.00	49.96	.00	1800.00	.00
896.920	1388.75	1.58	.00	50.18	.00	1850.00	.00
896.920	1388.89	1.61	.00	50.40	.00	1900.00	.00
896.920	1389.02	1.63	.00	50.61	.00	1950.00	.00

SECNO	CWSEL	HL	OLOSS	TOPWID	QLOB	QCH	QROB
896.970	1386.77	.00	.00	44.80	.00	1300.00	.00
896.970	1387.02	.00	.00	45.59	.00	1350.00	.00
896.970	1387.24	.00	.00	46.29	.00	1400.00	.00
896.970	1387.47	.00	.00	47.03	.00	1450.00	.00
896.970	1387.65	.00	.00	47.63	.00	1500.00	.00
896.970	1387.83	.00	.00	48.20	.00	1550.00	.00
896.970	1388.00	.00	.00	48.73	.00	1600.00	.00
896.970	1388.16	.00	.00	49.14	.00	1650.00	.00
896.970	1388.32	.00	.00	49.39	.00	1700.00	.00
896.970	1388.47	.00	.00	49.63	.00	1750.00	.00
896.970	1388.61	.00	.00	49.86	.00	1800.00	.00
896.970	1388.75	.00	.00	50.08	.00	1850.00	.00
896.970	1388.89	.00	.00	50.30	.00	1900.00	.00
896.970	1389.02	.00	.00	50.51	.00	1950.00	.00
902.720	1389.22	.01	.09	41.12	.00	1300.00	.00
902.720	1389.34	.01	.09	41.51	.00	1350.00	.00
902.720	1389.46	.01	.09	41.89	.00	1400.00	.00
902.720	1389.57	.01	.09	42.27	.00	1450.00	.00
902.720	1389.69	.01	.09	42.63	.00	1500.00	.00
902.720	1389.80	.01	.09	42.99	.00	1550.00	.00
902.720	1389.91	.01	.09	43.33	.00	1600.00	.00
902.720	1390.02	.01	.09	43.68	.00	1650.00	.00
902.720	1390.12	.01	.09	44.02	.00	1700.00	.00
902.720	1390.23	.01	.10	44.39	.00	1750.00	.00
902.720	1390.33	.01	.09	44.68	.00	1800.00	.00
902.720	1390.43	.01	.09	45.00	.00	1850.00	.00
902.720	1390.53	.01	.09	45.32	.00	1900.00	.00
902.720	1390.62	.01	.09	45.63	.00	1950.00	.00
902.820	1389.22	.01	.00	41.14	.00	1300.00	.00
902.820	1389.35	.01	.00	41.53	.00	1350.00	.00
902.820	1389.47	.01	.00	41.91	.00	1400.00	.00
902.820	1389.58	.01	.00	42.28	.00	1450.00	.00
902.820	1389.70	.01	.00	42.65	.00	1500.00	.00
902.820	1389.81	.01	.00	43.01	.00	1550.00	.00
902.820	1389.92	.01	.00	43.35	.00	1600.00	.00
902.820	1390.03	.01	.00	43.70	.00	1650.00	.00
902.820	1390.13	.01	.00	44.04	.00	1700.00	.00
902.820	1390.24	.01	.00	44.39	.00	1750.00	.00
902.820	1390.34	.01	.00	44.69	.00	1800.00	.00
902.820	1390.44	.01	.00	45.01	.00	1850.00	.00
902.820	1390.54	.01	.00	45.33	.00	1900.00	.00
902.820	1390.63	.01	.00	45.64	.00	1950.00	.00

SECNO	CWSEL	HL	OLOSS	TOPWID	QLOB	QCH	QROB
902.860	1390.05	.65	.00	43.79	.00	1300.00	.00
902.860	1390.28	.74	.00	44.52	.00	1350.00	.00
902.860	1390.51	.83	.00	45.25	.00	1400.00	.00
902.860	1390.74	.92	.00	45.98	.00	1450.00	.00
902.860	1390.98	1.02	.00	46.73	.00	1500.00	.00
902.860	1391.21	1.12	.00	47.48	.00	1550.00	.00
902.860	1391.42	1.20	.00	48.15	.00	1600.00	.00
902.860	1391.60	1.26	.00	48.57	.00	1650.00	.00
902.860	1391.78	1.32	.00	48.85	.00	1700.00	.00
902.860	1391.95	1.37	.00	49.12	.00	1750.00	.00
902.860	1392.10	1.41	.00	49.20	.00	1800.00	.00
902.860	1392.26	1.45	.00	49.20	.00	1850.00	.00
902.860	1392.40	1.49	.00	49.20	.00	1900.00	.00
902.860	1392.55	1.53	.00	49.20	.00	1950.00	.00
902.910	1390.06	.00	.00	43.77	.00	1300.00	.00
902.910	1390.28	.00	.00	44.51	.00	1350.00	.00
902.910	1390.51	.00	.00	45.24	.00	1400.00	.00
902.910	1390.74	.00	.00	45.98	.00	1450.00	.00
902.910	1390.98	.00	.00	46.73	.00	1500.00	.00
902.910	1391.21	.00	.00	47.48	.00	1550.00	.00
902.910	1391.42	.00	.00	48.15	.00	1600.00	.00
902.910	1391.61	.00	.00	48.57	.00	1650.00	.00
902.910	1391.78	.00	.00	48.85	.00	1700.00	.00
902.910	1391.95	.00	.00	49.12	.00	1750.00	.00
902.910	1392.10	.00	.00	49.20	.00	1800.00	.00
902.910	1392.26	.00	.00	49.20	.00	1850.00	.00
902.910	1392.40	.00	.00	49.20	.00	1900.00	.00
902.910	1392.55	.00	.00	49.20	.00	1950.00	.00
906.660	1392.80	.01	.08	41.18	.00	1300.00	.00
906.660	1392.92	.01	.08	41.57	.00	1350.00	.00
906.660	1393.04	.01	.08	41.95	.00	1400.00	.00
906.660	1393.16	.01	.08	42.34	.00	1450.00	.00
906.660	1393.28	.01	.08	42.70	.00	1500.00	.00
906.660	1393.39	.01	.08	43.06	.00	1550.00	.00
906.660	1393.50	.01	.08	43.41	.00	1600.00	.00
906.660	1393.61	.01	.08	43.60	.00	1650.00	.00
906.660	1393.71	.01	.08	43.77	.00	1700.00	.00
906.660	1393.82	.01	.08	43.93	.00	1750.00	.00
906.660	1393.92	.01	.08	44.10	.00	1800.00	.00
906.660	1394.02	.01	.08	44.26	.00	1850.00	.00
906.660	1394.12	.01	.08	44.41	.00	1900.00	.00
906.660	1394.21	.01	.08	44.57	.00	1950.00	.00

SECNO	CWSEL	HL	OLOSS	TOPWID	QLOB	QCH	QROB
906.760	1392.81	.01	.00	41.13	.00	1300.00	.00
906.760	1392.93	.01	.00	41.52	.00	1350.00	.00
906.760	1393.05	.01	.00	41.90	.00	1400.00	.00
906.760	1393.17	.01	.00	42.28	.00	1450.00	.00
906.760	1393.28	.01	.00	42.64	.00	1500.00	.00
906.760	1393.39	.01	.00	43.00	.00	1550.00	.00
906.760	1393.50	.01	.00	43.36	.00	1600.00	.00
906.760	1393.61	.01	.00	43.67	.00	1650.00	.00
906.760	1393.72	.01	.00	43.84	.00	1700.00	.00
906.760	1393.82	.01	.00	44.01	.00	1750.00	.00
906.760	1393.92	.01	.00	44.17	.00	1800.00	.00
906.760	1394.02	.01	.00	44.33	.00	1850.00	.00
906.760	1394.12	.01	.00	44.49	.00	1900.00	.00
906.760	1394.22	.01	.00	44.64	.00	1950.00	.00
906.800	1394.51	1.40	.00	45.09	.00	1300.00	.00
906.800	1394.69	1.45	.00	45.39	.00	1350.00	.00
906.800	1394.87	1.50	.00	45.40	.00	1400.00	.00
906.800	1395.04	1.54	.00	45.40	.00	1450.00	.00
906.800	1395.20	1.58	.00	45.40	.00	1500.00	.00
906.800	1395.35	1.61	.00	45.40	.00	1550.00	.00
906.800	1395.51	1.65	.00	45.40	.00	1600.00	.00
906.800	1395.65	1.68	.00	45.40	.00	1650.00	.00
906.800	1395.80	1.71	.00	45.40	.00	1700.00	.00
906.800	1395.94	1.74	.00	45.40	.00	1750.00	.00
906.800	1396.07	1.76	.00	45.40	.00	1800.00	.00
906.800	1396.21	1.79	.00	45.40	.00	1850.00	.00
906.800	1396.34	1.81	.00	45.40	.00	1900.00	.00
906.800	1396.47	1.84	.00	45.40	.00	1950.00	.00
906.850	1394.51	.00	.00	45.09	.00	1300.00	.00
906.850	1394.69	.00	.00	45.39	.00	1350.00	.00
906.850	1394.87	.00	.00	45.40	.00	1400.00	.00
906.850	1395.04	.00	.00	45.40	.00	1450.00	.00
906.850	1395.20	.00	.00	45.40	.00	1500.00	.00
906.850	1395.36	.00	.00	45.40	.00	1550.00	.00
906.850	1395.51	.00	.00	45.40	.00	1600.00	.00
906.850	1395.66	.00	.00	45.40	.00	1650.00	.00
906.850	1395.80	.00	.00	45.40	.00	1700.00	.00
906.850	1395.94	.00	.00	45.40	.00	1750.00	.00
906.850	1396.08	.00	.00	45.40	.00	1800.00	.00
906.850	1396.21	.00	.00	45.40	.00	1850.00	.00
906.850	1396.34	.00	.00	45.40	.00	1900.00	.00
906.850	1396.47	.00	.00	45.40	.00	1950.00	.00

SECNO	CWSEL	HL	OLOSS	TOPWID	QLOB	QCH	QROB
912.810	1396.46	.01	.05	41.78	.00	1300.00	.00
912.810	1396.59	.01	.06	42.19	.00	1350.00	.00
912.810	1396.71	.01	.06	42.59	.00	1400.00	.00
912.810	1396.83	.01	.06	42.99	.00	1450.00	.00
912.810	1396.95	.01	.06	43.37	.00	1500.00	.00
912.810	1397.07	.01	.06	43.75	.00	1550.00	.00
912.810	1397.19	.01	.06	43.98	.00	1600.00	.00
912.810	1397.30	.01	.06	44.00	.00	1650.00	.00
912.810	1397.41	.01	.06	44.00	.00	1700.00	.00
912.810	1397.52	.01	.06	44.00	.00	1750.00	.00
912.810	1397.63	.01	.06	44.00	.00	1800.00	.00
912.810	1397.73	.01	.06	44.00	.00	1850.00	.00
912.810	1397.84	.01	.06	44.00	.00	1900.00	.00
912.810	1397.94	.01	.06	44.00	.00	1950.00	.00
912.910	1396.46	.01	.00	41.70	.00	1300.00	.00
912.910	1396.59	.01	.00	42.11	.00	1350.00	.00
912.910	1396.71	.01	.00	42.51	.00	1400.00	.00
912.910	1396.84	.01	.00	42.90	.00	1450.00	.00
912.910	1396.96	.01	.00	43.29	.00	1500.00	.00
912.910	1397.08	.01	.00	43.67	.00	1550.00	.00
912.910	1397.19	.01	.00	44.04	.00	1600.00	.00
912.910	1397.31	.01	.00	44.20	.00	1650.00	.00
912.910	1397.42	.01	.00	44.20	.00	1700.00	.00
912.910	1397.53	.01	.00	44.20	.00	1750.00	.00
912.910	1397.63	.01	.00	44.20	.00	1800.00	.00
912.910	1397.74	.01	.00	44.20	.00	1850.00	.00
912.910	1397.84	.01	.00	44.20	.00	1900.00	.00
912.910	1397.94	.01	.00	44.20	.00	1950.00	.00
912.950	1398.01	1.30	.00	44.20	.00	1300.00	.00
912.950	1398.21	1.35	.00	44.20	.00	1350.00	.00
912.950	1398.39	1.40	.00	44.20	.00	1400.00	.00
912.950	1398.57	1.45	.00	44.20	.00	1450.00	.00
912.950	1398.74	1.49	.00	44.20	.00	1500.00	.00
912.950	1398.90	1.53	.00	44.20	.00	1550.00	.00
912.950	1399.06	1.56	.00	44.20	.00	1600.00	.00
912.950	1399.21	1.60	.00	44.20	.00	1650.00	.00
912.950	1399.36	1.63	.00	44.20	.00	1700.00	.00
912.950	1399.51	1.66	.00	44.20	.00	1750.00	.00
912.950	1399.65	1.69	.00	44.20	.00	1800.00	.00
912.950	1399.79	1.71	.00	44.20	.00	1850.00	.00
912.950	1399.92	1.74	.00	44.20	.00	1900.00	.00
912.950	1400.05	1.76	.00	44.20	.00	1950.00	.00

	SECNO	CWSEL	HL	OLOSS	TOPWID	QLOB	QCH	QROB
	913.000	1398.02	.00	.00	44.20	.00	1300.00	.00
	913.000	1398.21	.00	.00	44.20	.00	1350.00	.00
	913.000	1398.39	.00	.00	44.20	.00	1400.00	.00
	913.000	1398.57	.00	.00	44.20	.00	1450.00	.00
	913.000	1398.74	.00	.00	44.20	.00	1500.00	.00
	913.000	1398.90	.00	.00	44.20	.00	1550.00	.00
	913.000	1399.06	.00	.00	44.20	.00	1600.00	.00
	913.000	1399.21	.00	.00	44.20	.00	1650.00	.00
	913.000	1399.36	.00	.00	44.20	.00	1700.00	.00
	913.000	1399.51	.00	.00	44.20	.00	1750.00	.00
	913.000	1399.65	.00	.00	44.20	.00	1800.00	.00
	913.000	1399.79	.00	.00	44.20	.00	1850.00	.00
	913.000	1399.92	.00	.00	44.20	.00	1900.00	.00
	913.000	1400.05	.00	.00	44.20	.00	1950.00	.00
	916.610	1398.01	.19	.04	42.02	.00	1300.00	.00
	916.610	1398.21	.18	.04	42.80	.00	1350.00	.00
	916.610	1398.39	.18	.04	43.53	.00	1400.00	.00
	916.610	1398.57	.17	.04	44.24	.00	1450.00	.00
	916.610	1398.74	.17	.04	44.92	.00	1500.00	.00
	916.610	1398.90	.17	.04	45.58	.00	1550.00	.00
	916.610	1399.06	.17	.03	46.22	.00	1600.00	.00
	916.610	1399.21	.16	.03	46.84	.00	1650.00	.00
	916.610	1399.36	.16	.03	47.45	.00	1700.00	.00
	916.610	1399.51	.16	.03	48.04	.00	1750.00	.00
	916.610	1399.65	.16	.03	48.61	.00	1800.00	.00
	916.610	1399.80	.16	.03	49.21	.00	1850.00	.00
	916.610	1399.93	.16	.02	49.76	.00	1900.00	.00
	916.610	1400.07	.15	.02	50.00	.00	1950.00	.00
*	916.960	1397.89	.05	.55	21.00	.00	1300.00	.00
*	916.960	1398.02	.04	.57	21.00	.00	1350.00	.00
*	916.960	1398.14	.04	.59	21.00	.00	1400.00	.00
*	916.960	1398.26	.04	.61	21.00	.00	1450.00	.00
*	916.960	1398.38	.04	.62	21.00	.00	1500.00	.00
*	916.960	1398.50	.04	.64	21.00	.00	1550.00	.00
*	916.960	1398.62	.04	.66	21.00	.00	1600.00	.00
*	916.960	1398.74	.04	.68	21.00	.00	1650.00	.00
*	916.960	1398.85	.04	.69	21.00	.00	1700.00	.00
*	916.960	1398.97	.04	.71	21.00	.00	1750.00	.00
*	916.960	1399.08	.04	.72	21.00	.00	1800.00	.00
*	916.960	1399.19	.04	.74	21.00	.00	1850.00	.00
*	916.960	1399.31	.04	.76	21.00	.00	1900.00	.00
*	916.960	1399.42	.04	.77	21.00	.00	1950.00	.00

	SECNO	CWSEL	HL	OLOSS	TOPWID	QLOB	QCH	QROB
*	918.640	1399.03	.62	.42	21.00	.00	1300.00	.00
*	918.640	1399.16	.62	-.62	21.00	.00	1350.00	.00
*	918.640	1399.27	.62	-.62	21.00	.00	1400.00	.00
*	918.640	1399.62	.00	.00	21.00	.00	1450.00	.00
*	918.640	1399.52	.63	-.63	21.00	.00	1500.00	.00
*	918.640	1399.68	.62	-.62	21.00	.00	1550.00	.00
*	918.640	1399.80	.62	-.62	21.00	.00	1600.00	.00
*	918.640	1399.90	.63	-.63	21.00	.00	1650.00	.00
*	918.640	1400.01	.63	-.63	21.00	.00	1700.00	.00
*	918.640	1400.15	.63	-.63	21.00	.00	1750.00	.00
*	918.640	1400.28	.63	-.63	21.00	.00	1800.00	.00
*	918.640	1400.39	.63	-.63	21.00	.00	1850.00	.00
*	918.640	1400.47	.64	-.64	21.00	.00	1900.00	.00
*	918.640	1400.55	.64	-.64	21.00	.00	1950.00	.00
	919.050	1400.54	.09	.13	36.58	.00	1300.00	.00
	919.050	1400.78	.09	.14	37.55	.00	1350.00	.00
	919.050	1401.02	.08	.15	38.48	.00	1400.00	.00
	919.050	1401.22	.08	.14	39.27	.00	1450.00	.00
	919.050	1401.46	.08	.17	40.24	.00	1500.00	.00
	919.050	1401.67	.07	.17	41.12	.00	1550.00	.00
	919.050	1401.87	.07	.18	41.92	.00	1600.00	.00
	919.050	1402.08	.07	.19	42.73	.00	1650.00	.00
	919.050	1402.27	.07	.20	43.52	.00	1700.00	.00
	919.050	1402.46	.06	.20	44.28	.00	1750.00	.00
	919.050	1402.65	.06	.21	45.03	.00	1800.00	.00
	919.050	1402.84	.06	.22	45.79	.00	1850.00	.00
	919.050	1403.04	.06	.23	46.56	.00	1900.00	.00
	919.050	1403.22	.06	.24	47.31	.00	1950.00	.00

SUMMARY OF ERRORS AND SPECIAL NOTES

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CAUTION  SECNO=   816.160  PROFILE= 2  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   816.160  PROFILE= 3  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   816.160  PROFILE= 4  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   816.160  PROFILE= 5  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   816.160  PROFILE= 6  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   816.160  PROFILE= 7  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   816.160  PROFILE= 8  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   816.160  PROFILE= 9  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   816.160  PROFILE=10  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   816.160  PROFILE=11  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   816.160  PROFILE=12  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   816.160  PROFILE=13  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   816.160  PROFILE=14  CRITICAL DEPTH ASSUMED

CAUTION  SECNO=   843.150  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   843.150  PROFILE= 1  MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   843.150  PROFILE= 2  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   843.150  PROFILE= 2  MINIMUM SPECIFIC ENERGY
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CAUTION  SECNO=   846.000  PROFILE= 1  CRITICAL DEPTH ASSUMED
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CAUTION  SECNO=   846.000  PROFILE= 2  MINIMUM SPECIFIC ENERGY
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CAUTION  SECNO=   846.000  PROFILE=14  MINIMUM SPECIFIC ENERGY

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CAUTION  SECNO=   853.400  PROFILE= 1  CRITICAL DEPTH ASSUMED
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CAUTION  SECNO=   863.910  PROFILE=13  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   863.910  PROFILE=13  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   863.910  PROFILE=14  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   863.910  PROFILE=14  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   863.910  PROFILE=14  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION  SECNO=   864.210  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   864.210  PROFILE= 1  MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   864.210  PROFILE= 2  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   864.210  PROFILE= 2  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   864.210  PROFILE= 2  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   864.210  PROFILE= 3  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   864.210  PROFILE= 3  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   864.210  PROFILE= 3  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   864.210  PROFILE= 4  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   864.210  PROFILE= 4  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   864.210  PROFILE= 4  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   864.210  PROFILE= 5  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   864.210  PROFILE= 5  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   864.210  PROFILE= 5  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   864.210  PROFILE= 6  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   864.210  PROFILE= 6  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   864.210  PROFILE= 6  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   864.210  PROFILE= 7  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   864.210  PROFILE= 7  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   864.210  PROFILE= 7  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   864.210  PROFILE= 8  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   864.210  PROFILE= 8  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   864.210  PROFILE= 8  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   864.210  PROFILE= 9  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   864.210  PROFILE= 9  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   864.210  PROFILE= 9  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   864.210  PROFILE=10  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   864.210  PROFILE=10  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   864.210  PROFILE=10  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   864.210  PROFILE=11  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   864.210  PROFILE=11  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   864.210  PROFILE=11  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   864.210  PROFILE=12  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   864.210  PROFILE=12  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   864.210  PROFILE=12  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   864.210  PROFILE=13  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   864.210  PROFILE=13  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   864.210  PROFILE=13  20 TRIALS ATTEMPTED TO BALANCE WSEL
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CAUTION  SECNO=   864.210  PROFILE=14  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   864.210  PROFILE=14  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   864.210  PROFILE=14  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION  SECNO=   865.570  PROFILE= 1  HYDRAULIC JUMP D.S.
CAUTION  SECNO=   865.570  PROFILE= 2  HYDRAULIC JUMP D.S.
CAUTION  SECNO=   865.570  PROFILE= 3  HYDRAULIC JUMP D.S.
CAUTION  SECNO=   865.570  PROFILE= 4  HYDRAULIC JUMP D.S.
CAUTION  SECNO=   865.570  PROFILE= 5  HYDRAULIC JUMP D.S.
CAUTION  SECNO=   865.570  PROFILE= 6  HYDRAULIC JUMP D.S.
CAUTION  SECNO=   865.570  PROFILE= 7  HYDRAULIC JUMP D.S.
CAUTION  SECNO=   865.570  PROFILE= 8  HYDRAULIC JUMP D.S.
CAUTION  SECNO=   865.570  PROFILE= 9  HYDRAULIC JUMP D.S.
CAUTION  SECNO=   865.570  PROFILE=10  HYDRAULIC JUMP D.S.
CAUTION  SECNO=   865.570  PROFILE=11  HYDRAULIC JUMP D.S.
CAUTION  SECNO=   865.570  PROFILE=12  HYDRAULIC JUMP D.S.
CAUTION  SECNO=   865.570  PROFILE=13  HYDRAULIC JUMP D.S.
CAUTION  SECNO=   865.570  PROFILE=14  HYDRAULIC JUMP D.S.

CAUTION  SECNO=   871.400  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   871.400  PROFILE= 1  MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   871.400  PROFILE= 2  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   871.400  PROFILE= 2  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   871.400  PROFILE= 2  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   871.400  PROFILE= 3  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   871.400  PROFILE= 3  MINIMUM SPECIFIC ENERGY

CAUTION  SECNO=   871.730  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   871.730  PROFILE= 1  MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   871.730  PROFILE= 2  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   871.730  PROFILE= 2  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   871.730  PROFILE= 2  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   871.730  PROFILE= 3  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   871.730  PROFILE= 3  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   871.730  PROFILE= 3  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   871.730  PROFILE= 4  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   871.730  PROFILE= 4  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   871.730  PROFILE= 4  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   871.730  PROFILE= 5  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   871.730  PROFILE= 5  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   871.730  PROFILE= 5  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   871.730  PROFILE= 6  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   871.730  PROFILE= 6  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   871.730  PROFILE= 6  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   871.730  PROFILE= 7  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   871.730  PROFILE= 7  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   871.730  PROFILE= 7  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   871.730  PROFILE= 8  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   871.730  PROFILE= 8  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   871.730  PROFILE= 8  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   871.730  PROFILE= 9  CRITICAL DEPTH ASSUMED
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CAUTION  SECNO=   871.730  PROFILE= 9  MINIMUM SPECIFIC ENERGY

CAUTION  SECNO=   878.390  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   878.390  PROFILE= 1  MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   878.390  PROFILE= 2  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   878.390  PROFILE= 2  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   878.390  PROFILE= 2  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   878.390  PROFILE= 3  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   878.390  PROFILE= 3  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   878.390  PROFILE= 3  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   878.390  PROFILE= 4  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   878.390  PROFILE= 4  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   878.390  PROFILE= 4  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   878.390  PROFILE= 5  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   878.390  PROFILE= 5  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   878.390  PROFILE= 5  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   878.390  PROFILE= 6  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   878.390  PROFILE= 6  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   878.390  PROFILE= 6  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   878.390  PROFILE= 7  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   878.390  PROFILE= 7  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   878.390  PROFILE= 7  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   878.390  PROFILE= 8  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   878.390  PROFILE= 8  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   878.390  PROFILE= 8  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   878.390  PROFILE= 9  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   878.390  PROFILE= 9  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   878.390  PROFILE= 9  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   878.390  PROFILE=10  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   878.390  PROFILE=10  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   878.390  PROFILE=10  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   878.390  PROFILE=11  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   878.390  PROFILE=11  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   878.390  PROFILE=11  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   878.390  PROFILE=12  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   878.390  PROFILE=12  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   878.390  PROFILE=12  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   878.390  PROFILE=13  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   878.390  PROFILE=13  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   878.390  PROFILE=13  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   878.390  PROFILE=14  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   878.390  PROFILE=14  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   878.390  PROFILE=14  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION  SECNO=   883.000  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   883.000  PROFILE= 1  MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   883.000  PROFILE= 2  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   883.000  PROFILE= 2  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   883.000  PROFILE= 2  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   883.000  PROFILE= 3  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   883.000  PROFILE= 3  PROBABLE MINIMUM SPECIFIC ENERGY
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CAUTION  SECNO=   883.000  PROFILE= 3  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   883.000  PROFILE= 4  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   883.000  PROFILE= 4  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   883.000  PROFILE= 4  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   883.000  PROFILE= 5  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   883.000  PROFILE= 5  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   883.000  PROFILE= 5  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   883.000  PROFILE= 6  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   883.000  PROFILE= 6  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   883.000  PROFILE= 6  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   883.000  PROFILE= 7  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   883.000  PROFILE= 7  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   883.000  PROFILE= 7  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   883.000  PROFILE= 8  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   883.000  PROFILE= 8  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   883.000  PROFILE= 8  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   883.000  PROFILE= 9  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   883.000  PROFILE= 9  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   883.000  PROFILE= 9  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   883.000  PROFILE=10  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   883.000  PROFILE=10  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   883.000  PROFILE=10  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   883.000  PROFILE=11  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   883.000  PROFILE=11  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   883.000  PROFILE=11  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   883.000  PROFILE=12  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   883.000  PROFILE=12  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   883.000  PROFILE=12  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   883.000  PROFILE=13  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   883.000  PROFILE=13  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   883.000  PROFILE=13  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   883.000  PROFILE=14  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   883.000  PROFILE=14  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   883.000  PROFILE=14  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION  SECNO=   883.480  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   883.480  PROFILE= 1  MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   883.480  PROFILE= 2  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   883.480  PROFILE= 2  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   883.480  PROFILE= 2  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   883.480  PROFILE= 3  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   883.480  PROFILE= 3  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   883.480  PROFILE= 3  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   883.480  PROFILE= 4  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   883.480  PROFILE= 4  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   883.480  PROFILE= 4  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   883.480  PROFILE= 5  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   883.480  PROFILE= 5  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   883.480  PROFILE= 5  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   883.480  PROFILE= 6  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   883.480  PROFILE= 6  PROBABLE MINIMUM SPECIFIC ENERGY
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CAUTION  SECNO=   883.480  PROFILE= 6  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   883.480  PROFILE= 7  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   883.480  PROFILE= 7  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   883.480  PROFILE= 7  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   883.480  PROFILE= 8  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   883.480  PROFILE= 8  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   883.480  PROFILE= 8  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   883.480  PROFILE= 9  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   883.480  PROFILE= 9  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   883.480  PROFILE= 9  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   883.480  PROFILE=10  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   883.480  PROFILE=10  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   883.480  PROFILE=10  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   883.480  PROFILE=11  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   883.480  PROFILE=11  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   883.480  PROFILE=11  20 TRIALS ATTEMPTED TO BALANCE WSEL
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CAUTION  SECNO=   883.480  PROFILE=12  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   883.480  PROFILE=12  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   883.480  PROFILE=13  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   883.480  PROFILE=13  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   883.480  PROFILE=13  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   883.480  PROFILE=14  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   883.480  PROFILE=14  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   883.480  PROFILE=14  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION  SECNO=   883.730  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   883.730  PROFILE= 1  MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   883.730  PROFILE= 2  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   883.730  PROFILE= 2  MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   883.730  PROFILE= 3  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   883.730  PROFILE= 3  MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   883.730  PROFILE= 4  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   883.730  PROFILE= 4  MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   883.730  PROFILE= 5  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   883.730  PROFILE= 5  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   883.730  PROFILE= 5  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   883.730  PROFILE= 6  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   883.730  PROFILE= 6  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   883.730  PROFILE= 6  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   883.730  PROFILE= 7  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   883.730  PROFILE= 7  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   883.730  PROFILE= 7  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   883.730  PROFILE= 8  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   883.730  PROFILE= 8  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   883.730  PROFILE= 8  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   883.730  PROFILE= 9  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   883.730  PROFILE= 9  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   883.730  PROFILE= 9  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   883.730  PROFILE=10  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   883.730  PROFILE=10  PROBABLE MINIMUM SPECIFIC ENERGY
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CAUTION  SECNO=   883.730  PROFILE=10  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   883.730  PROFILE=11  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   883.730  PROFILE=11  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   883.730  PROFILE=11  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   883.730  PROFILE=12  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   883.730  PROFILE=12  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   883.730  PROFILE=12  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   883.730  PROFILE=13  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   883.730  PROFILE=13  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   883.730  PROFILE=13  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   883.730  PROFILE=14  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   883.730  PROFILE=14  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   883.730  PROFILE=14  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION  SECNO=   885.110  PROFILE= 1  HYDRAULIC JUMP D.S.
CAUTION  SECNO=   885.110  PROFILE= 2  HYDRAULIC JUMP D.S.
CAUTION  SECNO=   885.110  PROFILE= 3  HYDRAULIC JUMP D.S.
CAUTION  SECNO=   885.110  PROFILE= 4  HYDRAULIC JUMP D.S.
CAUTION  SECNO=   885.110  PROFILE= 5  HYDRAULIC JUMP D.S.
CAUTION  SECNO=   885.110  PROFILE= 6  HYDRAULIC JUMP D.S.
CAUTION  SECNO=   885.110  PROFILE= 7  HYDRAULIC JUMP D.S.
CAUTION  SECNO=   885.110  PROFILE= 8  HYDRAULIC JUMP D.S.
CAUTION  SECNO=   885.110  PROFILE= 9  HYDRAULIC JUMP D.S.
CAUTION  SECNO=   885.110  PROFILE=10  HYDRAULIC JUMP D.S.
CAUTION  SECNO=   885.110  PROFILE=11  HYDRAULIC JUMP D.S.
CAUTION  SECNO=   885.110  PROFILE=12  HYDRAULIC JUMP D.S.
CAUTION  SECNO=   885.110  PROFILE=13  HYDRAULIC JUMP D.S.
CAUTION  SECNO=   885.110  PROFILE=14  HYDRAULIC JUMP D.S.
CAUTION  SECNO=   885.110  PROFILE=14  20 TRIALS OF EG NOT ENOUGH

CAUTION  SECNO=   885.370  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   885.370  PROFILE= 1  MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   885.370  PROFILE= 2  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   885.370  PROFILE= 2  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   885.370  PROFILE= 2  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   885.370  PROFILE= 3  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   885.370  PROFILE= 3  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   885.370  PROFILE= 3  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   885.370  PROFILE= 4  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   885.370  PROFILE= 4  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   885.370  PROFILE= 4  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   885.370  PROFILE= 5  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   885.370  PROFILE= 5  MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   885.370  PROFILE= 6  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   885.370  PROFILE= 6  MINIMUM SPECIFIC ENERGY

CAUTION  SECNO=   889.450  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   889.450  PROFILE= 1  MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   889.450  PROFILE= 2  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   889.450  PROFILE= 2  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   889.450  PROFILE= 2  20 TRIALS ATTEMPTED TO BALANCE WSEL
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CAUTION  SECNO=   889.450  PROFILE= 3  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   889.450  PROFILE= 3  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   889.450  PROFILE= 3  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   889.450  PROFILE= 4  CRITICAL DEPTH ASSUMED
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CAUTION  SECNO=   889.450  PROFILE= 7  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   889.450  PROFILE= 7  20 TRIALS ATTEMPTED TO BALANCE WSEL
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CAUTION  SECNO=   889.450  PROFILE= 8  20 TRIALS ATTEMPTED TO BALANCE WSEL
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CAUTION  SECNO=   889.450  PROFILE= 9  PROBABLE MINIMUM SPECIFIC ENERGY
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CAUTION  SECNO=   889.450  PROFILE=10  20 TRIALS ATTEMPTED TO BALANCE WSEL
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CAUTION  SECNO=   889.450  PROFILE=11  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   889.450  PROFILE=11  20 TRIALS ATTEMPTED TO BALANCE WSEL
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CAUTION  SECNO=   889.450  PROFILE=12  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   889.450  PROFILE=12  20 TRIALS ATTEMPTED TO BALANCE WSEL
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CAUTION  SECNO=   889.450  PROFILE=14  MINIMUM SPECIFIC ENERGY

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CAUTION  SECNO=   896.450  PROFILE= 6  CRITICAL DEPTH ASSUMED
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CAUTION  SECNO=   896.450  PROFILE= 7  20 TRIALS ATTEMPTED TO BALANCE WSEL
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CAUTION  SECNO=   902.440  PROFILE= 1  MINIMUM SPECIFIC ENERGY
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CAUTION  SECNO=   902.440  PROFILE= 2  PROBABLE MINIMUM SPECIFIC ENERGY
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CAUTION  SECNO=   902.440  PROFILE= 8  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   902.440  PROFILE= 8  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   902.440  PROFILE= 9  CRITICAL DEPTH ASSUMED
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CAUTION  SECNO=   902.440  PROFILE= 9  PROBABLE MINIMUM SPECIFIC ENERGY
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CAUTION  SECNO=   906.440  PROFILE=12  CRITICAL DEPTH ASSUMED
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CAUTION  SECNO=   906.440  PROFILE=12  PROBABLE MINIMUM SPECIFIC ENERGY
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CAUTION  SECNO=   906.440  PROFILE=14  PROBABLE MINIMUM SPECIFIC ENERGY
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CAUTION  SECNO=   912.440  PROFILE=14  PROBABLE MINIMUM SPECIFIC ENERGY
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CAUTION  SECNO=   916.960  PROFILE= 1  CRITICAL DEPTH ASSUMED
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CAUTION  SECNO=   916.960  PROFILE=14  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   916.960  PROFILE=14  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   916.960  PROFILE=14  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION  SECNO=   918.640  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   918.640  PROFILE= 1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   918.640  PROFILE= 1  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   918.640  PROFILE= 1  HYDRAULIC JUMP D.S.
CAUTION  SECNO=   918.640  PROFILE= 2  WSEL ASSUMED BASED ON MIN DIFF
CAUTION  SECNO=   918.640  PROFILE= 2  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   918.640  PROFILE= 2  HYDRAULIC JUMP D.S.
CAUTION  SECNO=   918.640  PROFILE= 3  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   918.640  PROFILE= 3  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   918.640  PROFILE= 3  HYDRAULIC JUMP D.S.
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CAUTION  SECNO=   918.640  PROFILE= 4  HYDRAULIC JUMP D.S.
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CAUTION  SECNO=   918.640  PROFILE= 5  HYDRAULIC JUMP D.S.
CAUTION  SECNO=   918.640  PROFILE= 6  WSEL ASSUMED BASED ON MIN DIFF
CAUTION  SECNO=   918.640  PROFILE= 6  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   918.640  PROFILE= 6  HYDRAULIC JUMP D.S.
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CAUTION  SECNO=   918.640  PROFILE= 9  WSEL ASSUMED BASED ON MIN DIFF
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CAUTION  SECNO=   918.640  PROFILE= 9  HYDRAULIC JUMP D.S.
CAUTION  SECNO=   918.640  PROFILE=10  WSEL ASSUMED BASED ON MIN DIFF
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CAUTION  SECNO=   918.640  PROFILE=11  HYDRAULIC JUMP D.S.
CAUTION  SECNO=   918.640  PROFILE=12  WSEL ASSUMED BASED ON MIN DIFF
CAUTION  SECNO=   918.640  PROFILE=12  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   918.640  PROFILE=12  HYDRAULIC JUMP D.S.
CAUTION  SECNO=   918.640  PROFILE=13  WSEL ASSUMED BASED ON MIN DIFF
CAUTION  SECNO=   918.640  PROFILE=13  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   918.640  PROFILE=13  HYDRAULIC JUMP D.S.
CAUTION  SECNO=   918.640  PROFILE=14  WSEL ASSUMED BASED ON MIN DIFF
CAUTION  SECNO=   918.640  PROFILE=14  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   918.640  PROFILE=14  HYDRAULIC JUMP D.S.

CAUTION  SECNO=   927.010  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   927.010  PROFILE= 1  MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   927.010  PROFILE= 2  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   927.010  PROFILE= 2  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   927.010  PROFILE= 2  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   927.010  PROFILE= 3  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   927.010  PROFILE= 3  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   927.010  PROFILE= 3  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   927.010  PROFILE= 4  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   927.010  PROFILE= 4  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   927.010  PROFILE= 4  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   927.010  PROFILE= 5  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   927.010  PROFILE= 5  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   927.010  PROFILE= 5  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   927.010  PROFILE= 6  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   927.010  PROFILE= 6  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   927.010  PROFILE= 6  20 TRIALS ATTEMPTED TO BALANCE WSEL
```

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CAUTION  SECNO=   927.010  PROFILE= 7  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   927.010  PROFILE= 7  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   927.010  PROFILE= 7  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   927.010  PROFILE= 8  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   927.010  PROFILE= 8  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   927.010  PROFILE= 8  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   927.010  PROFILE= 9  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   927.010  PROFILE= 9  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   927.010  PROFILE= 9  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   927.010  PROFILE=10  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   927.010  PROFILE=10  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   927.010  PROFILE=10  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   927.010  PROFILE=11  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   927.010  PROFILE=11  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   927.010  PROFILE=11  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   927.010  PROFILE=12  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   927.010  PROFILE=12  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   927.010  PROFILE=12  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   927.010  PROFILE=13  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   927.010  PROFILE=13  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   927.010  PROFILE=13  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   927.010  PROFILE=14  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   927.010  PROFILE=14  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   927.010  PROFILE=14  20 TRIALS ATTEMPTED TO BALANCE WSEL
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User: DEN104 -at

<OPS183>PROJ>PJ6114>DATA>HEC2>EPOWROUT.OUT

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*****************************************************************************************************
*****************************************************************************************************


WWWW  WWWWW W   W   W    WWW  W
W   W W     WW  W  WW   W   W W  W
W   W W     W W W   W   W   W W  W
W   W WWWW  W W W   W   W W W WWWWW
W   W W     W W W   W   W   W    W
W   W W     W  WW   W   W   W    W
WWWW  WWWWW W   W  WWW   WWW     W



WWWWW WWWW   WWW  W   W WWWW   WWW  W   W WWWWW        WWW  W   W WWWWW
W     W   W W   W W   W W   W W   W W   W   W         W   W W   W   W
W     W   W W   W W W W W   W W   W W   W   W         W   W W   W   W
WWWW  WWWW  W   W W W W WWWW  W   W W   W   W         W   W W   W   W
W     W     W   W W W W W W   W   W W   W   W         W   W W   W   W
W     W     W   W WW WW W  W  W   W W   W   W     WW  W   W W   W   W
WWWWW W      WWW  W   W W   W  WWW   WWW    W     WW   WWW   WWW    W

*****************************************************************************************************
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[Spooler rev 20.0.6HB (c) Prime Computer, Inc., 1986]

Label: PRT178 -form DENPRT

Pathname: <OPS183>PROJ>PJ6114>DATA>HEC2>EPOWROUT.OUT
File last modified: 88-06-06.21:22:24.Mon

Spooled: 88-09-14.10:01:56.Wed
Started: 88-09-14.10:01:12.Wed on: AMLC by: DENPRT

THIS RUN EXECUTED 06/06/88 22:10:20

```
**************************************************
  HEC2 RELEASE DATED NOV 76 UPDATED MAY  1984
  ERROR CORR -  01,02,03,04,05,06
  MODIFICATION -  50,51,52,53,54,55,56
  IBM-PC-XT VERSION
**************************************************


C
T1       BACKWATER CURVE FROM THE RWCD TO THE UPSTREAM END OF
T2       THE GUNITE LINING IN THE EXISTING CHANNEL #1.
T3       Q=100 YEAR EXISTING

J1  ICHECK    INQ       NINV      IDIR      STRT      METRIC    HVINS     Q         WSEL      FQ

      0.        2.        0.        0.   .000000       .00        .0        0.  1337.700      .000

J2  NPROF     IPLOT     PRFVS     XSECV     XSECH     FN        ALLDC     IBW       CHNIM     ITRACE

     1.000      .000    -1.000      .000      .000      .000      .000      .000      .000      .000

J3  VARIABLE CODES FOR SUMMARY PRINTOUT

    105.000      .000      .000      .000      .000      .000      .000      .000      .000      .000

J5  LPRNT    NUMSEC                    ********REQUESTED SECTION NUMBERS********

    -10.000   -10.000      .000      .000      .000      .000      .000      .000      .000      .000

NC       .035       .035       .016       .100       .300       .000       .000       .000       .000       .000
QT     14.000    500.000    600.000    700.000    800.000    900.000   1000.000   1100.000   1200.000   1300.000
QT   1400.000   1500.000   1600.000   1700.000   1800.000       .000       .000       .000       .000       .000
          DISCHARGE TO THE RWCD-ASSUMED ELEVATION (509 PLAN EL.-1.3 FT)
X1    816.160      4.000    475.000    525.000       .000       .000       .000       .000       .000       .000
GR   1337.200    475.000   1327.700    494.000   1327.700    506.000   1337.200    525.000       .000       .000

          URS SURVEYED ELEVATION-EXISTING CHANNEL
X1    843.150      4.000    475.000    525.000   2699.000   2699.000   2699.000       .000       .000       .000
GR   1344.800    475.000   1335.300    494.000   1335.300    506.000   1344.800    525.000       .000       .000

          URS SURVEYED ELEVATION-EXISTING CHANNEL
X1    845.000      4.000    475.000    525.000    285.000    285.000    285.000       .000       .000       .000
GR   1345.700    475.000   1336.200    494.000   1336.200    506.000   1345.700    525.000       .000       .000

          URS SURVEYED ELEVATION-EXISTING CHANNEL
X1    847.400      4.000    475.000    525.000     50.000     50.000     50.000       .000       .000       .000
GR   1346.200    475.000   1336.700    494.000   1336.700    506.000   1346.200    525.000       .000       .000

          URS SURVEYED ELEVATION-EXISTING CHANNEL
X1    850.400      4.000    475.000    525.000    300.000    300.000    300.000       .000       .000       .000
GR   1350.500    475.000   1341.000    494.000   1341.000    506.000   1350.500    525.000       .000       .000
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          URS SURVEYED ELEVATION-EXISTING CHANNEL
X1    853.400      4.000    475.000    525.000    300.000    300.000    300.000       .000       .000       .000
GR   1355.000    475.000   1345.500    494.000   1345.500    506.000   1355.000    525.000       .000       .000

          URS SURVEYED ELEVATION-EXISTING CHANNEL
X1    856.600      4.000    475.000    525.000    320.000    320.000    320.000       .000       .000       .000
GR   1359.700    475.000   1350.200    494.000   1350.200    506.000   1359.700    525.000       .000       .000

          GRADE BREAK 460 FEET DOWNSTREAM FROM POWER BOX
X1    859.600      4.000    475.000    525.000    300.000    300.000    300.000       .000       .000       .000
GR   1364.300    475.000   1354.800    494.000   1354.800    506.000   1364.300    525.000       .000       .000

          DOWNSTREAM END OF TRANSITION BELOW POWER BOX
X1    863.910      4.000    475.000    525.000    431.000    431.000    431.000       .000       .000       .000
GR   1366.500    475.000   1357.010    492.000   1357.010    506.000   1366.500    525.000       .000       .000

          POWER ROAD BOX- DOWNSTREAM END
X1    864.210      4.000    489.500    510.500     30.000     30.000     30.000       .000       .000       .000
GR   1366.700    489.500   1357.170    489.500   1357.170    510.500   1366.700    510.500       .000       .000

SB      1.250      1.560      2.560       .000     21.000      1.000    120.000       .000   1358.000   1357.010
          POWER ROAD BOX- UPSTREAM END
X1    865.570      9.000    482.500    517.500    142.000    142.000    142.000       .000       .000       .000
X2       .000       .000      1.000   1364.000   1368.230       .000       .000       .000       .000       .000
X3     10.000       .000       .000    482.500   1367.500    517.500   1367.500       .000       .000       .000
BT      7.000    463.000   1372.400   1364.000    482.500   1372.020   1364.000    489.500   1372.020   1364.000
BT    510.500   1371.720   1364.000    517.500   1371.620   1364.000   1000.000   1368.230   1364.000   1057.100
BT   1370.000   1364.000       .000       .000       .000       .000       .000       .000       .000       .000
GR   1372.400    463.000   1367.500    482.500   1364.000    489.500   1358.000    489.500   1358.000    510.500
GR   1364.000    510.500   1367.500    517.500   1369.720   1000.000   1370.000   1057.000      1.000       .000

          UPSTREAM END OF POWER ROAD BOX CULVERT TRANSITION
X1    866.000      7.000    477.000    525.000     43.000     43.000     43.000       .000       .000       .000
GR   1369.300    380.000   1367.900    393.000   1367.530    477.000   1358.910    495.000   1358.860    505.000
GR   1367.500    525.000   1370.000   1027.000       .000       .000       .000       .000       .000       .000

          GUNITE CHANNEL ABOVE POWER ROAD BOX
X1    867.000      7.000    477.000    525.000    100.000    100.000    100.000       .000       .000       .000
GR   1369.900    380.000   1367.600    393.000   1367.730    477.000   1359.190    495.000   1359.350    505.000
GR   1367.800    525.000   1370.300   1025.000       .000       .000       .000       .000       .000       .000

          GUNITE CHANNEL ABOVE POWER ROAD BOX
X1    867.500      7.000    479.000    525.000     50.000     50.000     50.000       .000       .000       .000
GR   1370.200    380.000   1367.400    393.000   1367.660    479.000   1359.580    495.000   1359.770    505.000
GR   1368.300    525.000   1370.800   1025.000       .000       .000       .000       .000       .000       .000

          GUNITE CHANNEL ABOVE POWER ROAD BOX
X1    868.000      7.000    479.000    525.000     50.000     50.000     50.000       .000       .000       .000
GR   1370.600    367.000   1367.000    374.000   1367.380    479.000   1359.890    495.000   1360.010    505.000
GR   1368.100    525.000   1370.600   1025.000       .000       .000       .000       .000       .000       .000
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          GUNITE CHANNEL ABOVE POWER ROAD BOX
X1    869.000      7.000    487.000    529.000    100.000    100.000    100.000       .000       .000       .000
GR   1371.200    357.000   1367.600    365.000   1367.010    487.000   1360.530    491.000   1360.700    509.000
GR   1369.100    529.000   1371.600   1025.000       .000       .000       .000       .000       .000       .000

          GUNITE CHANNEL ABOVE POWER ROAD BOX
X1    869.500      7.000    482.000    523.000     50.000     50.000     50.000       .000       .000       .000
GR   1371.700    354.000   1368.700    360.000   1366.980    482.000   1360.960    496.000   1361.130    504.000
GR   1369.300    523.000   1371.400   1025.000       .000       .000       .000       .000       .000       .000

          GUNITE CHANNEL ABOVE POWER ROAD BOX
X1    870.000      7.000    483.000    525.000     50.000     50.000     50.000       .000       .000       .000
GR   1371.900    349.000   1369.100    354.000   1367.250    483.000   1361.270    496.000   1361.510    506.000
GR   1369.500    525.000   1372.000   1025.000       .000       .000       .000       .000       .000       .000

          GUNITE CHANNEL ABOVE POWER ROAD BOX
X1    871.000      7.000    475.000    525.000    100.000    100.000    100.000       .000       .000       .000
GR   1372.200    327.000   1369.700    332.000   1369.890    475.000   1364.560    487.000   1364.770    511.000
GR   1370.400    525.000   1372.900   1025.000       .000       .000       .000       .000       .000       .000

          GUNITE CHANNEL ABOVE POWER ROAD BOX
X1    872.000      7.000    464.000    525.000    100.000    100.000    100.000       .000       .000       .000
GR   1373.100    299.000   1369.800    305.000   1372.180    464.000   1367.830    474.000   1367.070    514.000
GR   1371.400    525.000   1373.900   1025.000       .000       .000       .000       .000       .000       .000

          GUNITE CHANNEL ABOVE POWER ROAD BOX-END OF LINING
X1    872.560      7.000    463.000    525.000     56.000     56.000     56.000       .000       .000       .000
GR   1371.400    299.000   1369.800    305.000   1372.600    463.000   1368.570    473.000   1367.880    515.000
GR   1371.500    525.000   1374.000   1025.000       .000       .000       .000       .000       .000       .000
EJ       .000       .000       .000       .000       .000       .000       .000       .000       .000       .000
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THIS RUN EXECUTED 06/06/88 22:10:36

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*************************************************
  HEC2 RELEASE DATED NOV 76 UPDATED MAY  1984
  ERROR CORR -  01,02,03,04,05,06
  MODIFICATION -  50,51,52,53,54,55,56
  IBM-PC-XT VERSION
*************************************************
```

T1 BACKWATER CURVE FROM THE RWCD TO THE UPSTREAM END OF
T2 THE GUNITE LINING IN THE EXISTING CHANNEL #1.
T3 Q RANGES FROM 500 TO 1800 cfs

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	0.	3.	0.	0.	.000000	.00	.0	0.	1337.700	.000
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	2.000	.000	-1.000	.000	.000	.000	-1.000	.000	.000	.000

THIS RUN EXECUTED 06/06/88 22:10:43

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**************************************************
  HEC2 RELEASE DATED NOV 76 UPDATED MAY  1984
  ERROR CORR -  01,02,03,04,05,06
  MODIFICATION -  50,51,52,53,54,55,56
  IBM-PC-XT VERSION
**************************************************
```

T1 BACKWATER CURVE FROM THE RWCD TO THE UPSTREAM END OF
T2 THE GUNITE LINING IN THE EXISTING CHANNEL #1.
T3 Q RANGES FROM 500 TO 1800 cfs

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	0.	4.	0.	0.	.000000	.00	.0	0.	1337.700	.000

J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	3.000	.000	-1.000	.000	.000	.000	-1.000	.000	.000	.000

THIS RUN EXECUTED 06/06/88 22:10:51

```
**************************************************
  HEC2 RELEASE DATED NOV 76 UPDATED MAY  1984
  ERROR CORR -  01,02,03,04,05,06
  MODIFICATION -  50,51,52,53,54,55,56
  IBM-PC-XT VERSION
**************************************************
```

T1 BACKWATER CURVE FROM THE RWCD TO THE UPSTREAM END OF
T2 THE GUNITE LINING IN THE EXISTING CHANNEL #1.
T3 Q RANGES FROM 500 TO 1800 cfs

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	0.	5.	0.	0.	.000000	.00	.0	0.	1337.700	.000
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	4.000	.000	-1.000	.000	.000	.000	-1.000	.000	.000	.000

THIS RUN EXECUTED 06/06/88 22:10:58

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**************************************************
  HEC2 RELEASE DATED NOV 76 UPDATED MAY  1984
  ERROR CORR -  01,02,03,04,05,06
  MODIFICATION -  50,51,52,53,54,55,56
  IBM-PC-XT VERSION
**************************************************
```

T1 BACKWATER CURVE FROM THE RWCD TO THE UPSTREAM END OF
T2 THE GUNITE LINING IN THE EXISTING CHANNEL #1.
T3 Q RANGES FROM 500 TO 1800 cfs

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	0.	6.	0.	0.	.000000	.00	.0	0.	1337.700	.000
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	5.000	.000	-1.000	.000	.000	.000	-1.000	.000	.000	.000

THIS RUN EXECUTED 06/06/88 22:11:05

```
**************************************************
  HEC2 RELEASE DATED NOV 76 UPDATED MAY  1984
  ERROR CORR -  01,02,03,04,05,06
  MODIFICATION -  50,51,52,53,54,55,56
  IBM-PC-XT VERSION
**************************************************
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```
T1       BACKWATER CURVE FROM THE RWCD TO THE UPSTREAM END OF
T2       THE GUNITE LINING IN THE EXISTING CHANNEL #1.
T3       Q RANGES FROM 500 TO 1800 cfs
```

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	0.	7.	0.	0.	.000000	.00	.0	0.	1337.700	.000

J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	6.000	.000	-1.000	.000	.000	.000	-1.000	.000	.000	.000

THIS RUN EXECUTED 06/06/88 22:11:12

```
**************************************************
  HEC2 RELEASE DATED NOV 76 UPDATED MAY  1984
  ERROR CORR -  01,02,03,04,05,06
  MODIFICATION -  50,51,52,53,54,55,56
  IBM-PC-XT VERSION
**************************************************
```

T1 BACKWATER CURVE FROM THE RWCD TO THE UPSTREAM END OF
T2 THE GUNITE LINING IN THE EXISTING CHANNEL #1.
T3 Q RANGES FROM 500 TO 1800 cfs

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	0.	8.	0.	0.	.000000	.00	.0	0.	1337.700	.000
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	7.000	.000	-1.000	.000	.000	.000	-1.000	.000	.000	.000

THIS RUN EXECUTED 06/06/88 22:11:20

```
**************************************************
  HEC2 RELEASE DATED NOV 76 UPDATED MAY  1984
  ERROR CORR -  01,02,03,04,05,06
  MODIFICATION -  50,51,52,53,54,55,56
  IBM-PC-XT VERSION
**************************************************
```

T1 BACKWATER CURVE FROM THE RWCD TO THE UPSTREAM END OF
T2 THE GUNITE LINING IN THE EXISTING CHANNEL #1.
T3 Q RANGES FROM 500 TO 1800 cfs

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	0.	9.	0.	0.	.000000	.00	.0	0.	1337.700	.000

J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	8.000	.000	-1.000	.000	.000	.000	-1.000	.000	.000	.000

THIS RUN EXECUTED 06/06/88 22:11:27

```
**************************************************
  HEC2 RELEASE DATED NOV 76 UPDATED MAY  1984
  ERROR CORR -  01,02,03,04,05,06
  MODIFICATION -  50,51,52,53,54,55,56
  IBM-PC-XT VERSION
**************************************************
```

```
T1       BACKWATER CURVE FROM THE RWCD TO THE UPSTREAM END OF
T2       THE GUNITE LINING IN THE EXISTING CHANNEL #1.
T3       Q RANGES FROM 500 TO 1800 cfs
```

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	0.	10.	0.	0.	.000000	.00	.0	0.	1337.700	.000
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	9.000	.000	-1.000	.000	.000	.000	-1.000	.000	.000	.000

THIS RUN EXECUTED 06/06/88 22:11:34

```
**************************************************
  HEC2 RELEASE DATED NOV 76 UPDATED MAY  1984
  ERROR CORR -  01,02,03,04,05,06
  MODIFICATION -  50,51,52,53,54,55,56
  IBM-PC-XT VERSION
**************************************************
```

T1 BACKWATER CURVE FROM THE RWCD TO THE UPSTREAM END OF
T2 THE GUNITE LINING IN THE EXISTING CHANNEL #1.
T3 Q RANGES FROM 500 TO 1800 cfs

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	0.	11.	0.	0.	.000000	.00	.0	0.	1337.700	.000
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	10.000	.000	-1.000	.000	.000	.000	-1.000	.000	.000	.000

THIS RUN EXECUTED 06/06/88 22:11:42

```
**************************************************
  HEC2 RELEASE DATED NOV 76 UPDATED MAY  1984
  ERROR CORR -  01,02,03,04,05,06
  MODIFICATION -  50,51,52,53,54,55,56
  IBM-PC-XT VERSION
**************************************************
```

T1 BACKWATER CURVE FROM THE RWCD TO THE UPSTREAM END OF
T2 THE GUNITE LINING IN THE EXISTING CHANNEL #1.
T3 Q RANGES FROM 500 TO 1800 cfs

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	0.	12.	0.	0.	.000000	.00	.0	0.	1337.700	.000
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	11.000	.000	-1.000	.000	.000	.000	-1.000	.000	.000	.000

THIS RUN EXECUTED 06/06/88 22:11:49

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**************************************************
  HEC2 RELEASE DATED NOV 76 UPDATED MAY  1984
  ERROR CORR -  01,02,03,04,05,06
  MODIFICATION -  50,51,52,53,54,55,56
  IBM-PC-XT VERSION
**************************************************
```

T1 BACKWATER CURVE FROM THE RWCD TO THE UPSTREAM END OF
T2 THE GUNITE LINING IN THE EXISTING CHANNEL #1.
T3 Q RANGES FROM 500 TO 1800 cfs

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	0.	13.	0.	0.	.000000	.00	.0	0.	1337.700	.000

J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	12.000	.000	-1.000	.000	.000	.000	-1.000	.000	.000	.000

THIS RUN EXECUTED 06/06/88 22:11:57

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**************************************************
  HEC2 RELEASE DATED NOV 76 UPDATED MAY  1984
  ERROR CORR -  01,02,03,04,05,06
  MODIFICATION -  50,51,52,53,54,55,56
  IBM-PC-XT VERSION
**************************************************
```

T1 BACKWATER CURVE FROM THE RWCD TO THE UPSTREAM END OF
T2 THE GUNITE LINING IN THE EXISTING CHANNEL #1.
T3 Q RANGES FROM 500 TO 1800 cfs

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	0.	14.	0.	0.	.000000	.00	.0	0.	1337.700	.000

J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	13.000	.000	-1.000	.000	.000	.000	-1.000	.000	.000	.000

THIS RUN EXECUTED 06/06/88 22:12:05

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**************************************************
  HEC2 RELEASE DATED NOV 76 UPDATED MAY  1984
  ERROR CORR -  01,02,03,04,05,06
  MODIFICATION -  50,51,52,53,54,55,56
  IBM-PC-XT VERSION
**************************************************
```

T1 BACKWATER CURVE FROM THE RWCD TO THE UPSTREAM END OF
T2 THE GUNITE LINING IN THE EXISTING CHANNEL #1.
T3 Q RANGES FROM 500 TO 1800 cfs

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	0.	15.	0.	0.	.000000	.00	.0	0.	1337.700	.000
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	15.000	.000	-1.000	.000	.000	.000	-1.000	.000	.000	.000

THIS RUN EXECUTED 06/06/88 22:12:14

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**************************************************
  HEC2 RELEASE DATED NOV 76 UPDATED MAY  1984
  ERROR CORR -  01,02,03,04,05,06
  MODIFICATION -  50,51,52,53,54,55,56
  IBM-PC-XT VERSION
**************************************************
```

NOTE- ASTERISK (*) AT LEFT OF CROSS-SECTION NUMBER INDICATES MESSAGE IN SUMMARY OF ERRORS LIST

Q=100 YEAR EXISTING

SUMMARY PRINTOUT TABLE 105

	SECNO	CWSEL	HL	OLOSS	TOPWID	QLOB	QCH	QROB
*	863.910	1359.96	1.33	.00	25.19	.00	500.00	.00
*	863.910	1360.29	1.30	.00	26.44	.00	600.00	.00
*	863.910	1360.61	1.26	.00	27.66	.00	700.00	.00
*	863.910	1360.89	1.24	.00	28.74	.00	800.00	.00
*	863.910	1361.16	1.22	.00	29.75	.00	900.00	.00
*	863.910	1361.41	1.20	.00	30.71	.00	1000.00	.00
*	863.910	1361.65	1.19	.00	31.62	.00	1100.00	.00
*	863.910	1361.88	1.17	.00	32.48	.00	1200.00	.00
*	863.910	1362.10	1.16	.00	33.31	.00	1300.00	.00
*	863.910	1362.31	1.15	.00	34.11	.00	1400.00	.00
*	863.910	1362.51	1.14	.00	34.88	.00	1500.00	.00
*	863.910	1362.71	1.13	.00	35.62	.00	1600.00	.00
*	863.910	1362.90	1.12	.00	36.34	.00	1700.00	.00
*	863.910	1363.08	1.12	.00	37.03	.00	1800.00	.00
	864.210	1360.35	.07	.03	21.00	.00	500.00	.00
	864.210	1360.54	.08	.02	21.00	.00	600.00	.00
	864.210	1360.65	.09	.02	21.00	.00	700.00	.00
	864.210	1360.81	.09	.08	21.00	.00	800.00	.00
*	864.210	1361.00	.10	.12	21.00	.00	900.00	.00
*	864.210	1361.28	.10	.14	21.00	.00	1000.00	.00
*	864.210	1361.57	.09	.16	21.00	.00	1100.00	.00
*	864.210	1361.83	.09	.18	21.00	.00	1200.00	.00
*	864.210	1362.08	.09	.20	21.00	.00	1300.00	.00
*	864.210	1362.33	.09	.22	21.00	.00	1400.00	.00
*	864.210	1362.57	.09	.24	21.00	.00	1500.00	.00
*	864.210	1362.79	.09	.26	21.00	.00	1600.00	.00
*	864.210	1363.03	.09	.28	21.00	.00	1700.00	.00
*	864.210	1363.27	.09	.29	21.00	.00	1800.00	.00

	SECNO	CWSEL	HL	OLOSS	TOPWID	QLOB	QCH	QROB
	865.570	1360.69	.68	.00	21.00	.00	500.00	.00
*	865.570	1361.76	1.00	.00	21.00	.00	600.00	.00
*	865.570	1362.17	1.09	.00	21.00	.00	700.00	.00
*	865.570	1362.56	1.14	.00	21.00	.00	800.00	.00
*	865.570	1362.93	1.16	.00	21.00	.00	900.00	.00
*	865.570	1363.29	1.18	.00	21.00	.00	1000.00	.00
*	865.570	1363.63	1.21	.00	21.00	.00	1100.00	.00
*	865.570	1363.97	1.23	.00	21.00	.00	1200.00	.00
*	865.570	1364.30	1.25	.00	22.19	.00	1300.00	.00
*	865.570	1364.62	1.25	.00	23.47	.00	1400.00	.00
*	865.570	1364.93	1.25	.00	24.71	.00	1500.00	.00
*	865.570	1365.67	1.45	.00	27.70	.00	1600.00	.00
*	865.570	1366.77	1.90	.00	32.07	.00	1700.00	.00
*	865.570	1367.58	2.22	.00	52.81	.00	1799.89	.11
*	866.000	1362.20	.14	.00	24.58	.00	500.00	.00
*	866.000	1362.55	.10	.11	26.14	.00	600.00	.00
*	866.000	1362.87	.09	.11	27.55	.00	700.00	.00
*	866.000	1363.14	.09	.11	28.76	.00	800.00	.00
*	866.000	1363.41	.09	.11	29.95	.00	900.00	.00
*	866.000	1363.67	.09	.10	31.07	.00	1000.00	.00
*	866.000	1363.91	.09	.10	32.14	.00	1100.00	.00
*	866.000	1364.15	.09	.09	33.17	.00	1200.00	.00
*	866.000	1364.37	.10	.09	34.16	.00	1300.00	.00
*	866.000	1364.57	.10	.09	35.03	.00	1400.00	.00
	866.000	1364.90	.09	.05	36.51	.00	1500.00	.00
	866.000	1365.99	.06	.02	41.31	.00	1600.00	.00
	866.000	1367.14	.04	.03	46.36	.00	1700.00	.00
	866.000	1367.95	.03	.03	222.38	7.39	1785.20	7.41

SUMMARY OF ERRORS AND SPECIAL NOTES

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CAUTION  SECNO=   843.150  PROFILE= 1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   843.150  PROFILE= 1  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=   843.150  PROFILE= 2  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   843.150  PROFILE= 2  MINIMUM SPECIFIC ENERGY
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CAUTION  SECNO=   872.560  PROFILE=12  MINIMUM SPECIFIC ENERGY
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CAUTION  SECNO=   872.560  PROFILE=13  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   872.560  PROFILE=13  MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   872.560  PROFILE=14  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   872.560  PROFILE=14  MINIMUM SPECIFIC ENERGY
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