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OUTER LOOP HIGHWAY

MANAGEMENT CONSULTANT SERVICES

AMENDMENT #2

SUPPLEMENT TO
CONCEPT STUDY FOR
THE PIMA FREEWAY
CROSSING
THE ARIZONA CANAL

DECEMBER 1990

DeLEUW
CATHER

Management Consultant for the
Arizona Department of Transportation

AMENDMENT #2

SUPPLEMENT TO CONCEPT STUDY FOR THE PIMA FREEWAY CROSSING THE ARIZONA CANAL

DECEMBER 1990

Registered Professional Engineer (Civil)
CERTIFICATE NO.
13248
EILEEN M. ABBOTT
Date Signed 12/31/90
ARIZONA, U.S.A.

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AMENDMENT NO. 2

SUPPLEMENT TO CONCEPT STUDY

FOR THE PIMA FREEWAY CROSSING THE ARIZONA CANAL

DECEMBER 1990

Brief Description

Maricopa County Flood Control District (MCFCD) has requested DCCO to furnish an additional hydrologic analysis of the north bank of the Arizona Canal, Pima Freeway to 96th Street. Specifically, the MCFCD requested the following:

1. Inclusion in HEC-2 models of the flows upstream of the Pima Freeway used in the Preliminary Design Report, Landscaped Channel Concept, Robert L. Ward, P.E., March 1990. See Appendices K and L.

2. A HEC-2 model of the Pima Freeway drainage channel as a tributary to the interceptor channel. See Appendix J.

3. A map showing peak discharges. See new Exhibit 25 and revised Figures 1 and 2.

4. A profile/cross-section showing the resultant water surface elevations from the HEC-2 models. See new Exhibit 26.

The Salt River Project spillway #1 referred to in the supplement report will be

bisected by the Pima Freeway and replaced with the ADOT spillway downstream of the freeway. Therefore, the remaining portion of the SRP spillway upstream of the freeway will be filled in to restore the berm along the north bank.

The area east and west of the Pima Freeway is within the Salt River Pima Maricopa Indian Community (SRPMIC) jurisdiction. Evans, Kuhn and Associates (EKA) have been contracted by SRPMIC to design the drainage facilities in 96th Street and westward toward Pima Freeway along the north bank of the Arizona Canal. EKA will not have prepared their concept drainage report before March 1991. Therefore, the cross-sections 124+00 to 138+00 have been eliminated from the HEC-2 models as the treatment of the existing north bank spillway near 96th Street is unknown at this time. Refer to Appendices K and L. The cross-sections 99+00 to 123+00, as presented in these models, will not restrict the development of any other drainage concept(s) SRPMIC may desire.

Conclusion

Results of all HEC-2 models for this Amendment #2 are tabulated in Table 6. The table shows flow, velocity, depth, water surface elevation and top width for each applicable cross-section.

The Arizona Canal interceptor channel will not create a worse flooding condition than before it was constructed. In fact, it is anticipated that the interceptor channel will reduce the flood plain considerably.

APPENDICES J, K, L

SECTION NUMBER	APPENDIX	FLOW (cfs)	VELOCITY (ft/sec)	DEPTH (ft)	WATER SURFACE ELEVATION	TOP WIDTH (ft)
591.2	L	2,500	4.91	9.1	1280.50	56
605.2	L	2,500	4.90	9.1	1280.50	56
631.2	L	2,500	3.38	9.3	1280.72	89
1000	L	2,500	3.40	9.3	1280.76	89
1200	L	2,500	3.39	9.3	1280.79	89
1600	L	2,500	3.41	9.2	1280.83	89
1895	L	2,500	3.59	9.2	1280.86	82
1985	L	2,500	3.59	9.2	1280.88	82
2500	L	2,500	3.49	9.1	1280.96	88
2900	L	2,500	3.55	9.0	1281.00	87
3155.1	L	2,500	3.53	8.9	1281.04	89
3365	L	2,500	3.54	8.9	1281.07	89
4000	L	2,500	3.63	8.7	1281.14	87
4350	L	2,500	3.62	8.7	1281.19	89
4800	L	2,500	3.60	8.6	1281.26	92
5300	L	2,500	3.77	8.4	1281.32	87
5850	L	2,500	3.86	8.3	1281.40	86
5900	J	5,500	3.09	13.1	1279.61	245
	K	5,500	3.09	13.1	1279.61	245
	L	2,500	3.90	8.2	1281.40	86
6010	J	5,500	2.16	12.7	1279.72	445
	K	5,500	2.16	12.7	1279.72	445
	L	2,500	3.89	8.2	1281.42	86
6117	J	5,500	2.52	10.3	1279.73	491
	K	5,500	2.52	10.3	1279.73	491
	L	2,500	3.90	8.2	1281.44	85
6337	J	4,697	2.48	10.3	1279.79	307
	K	4,697	2.48	10.3	1279.79	307
	L	3,303	5.29	8.1	1281.35	85

APPENDICES J, K, L

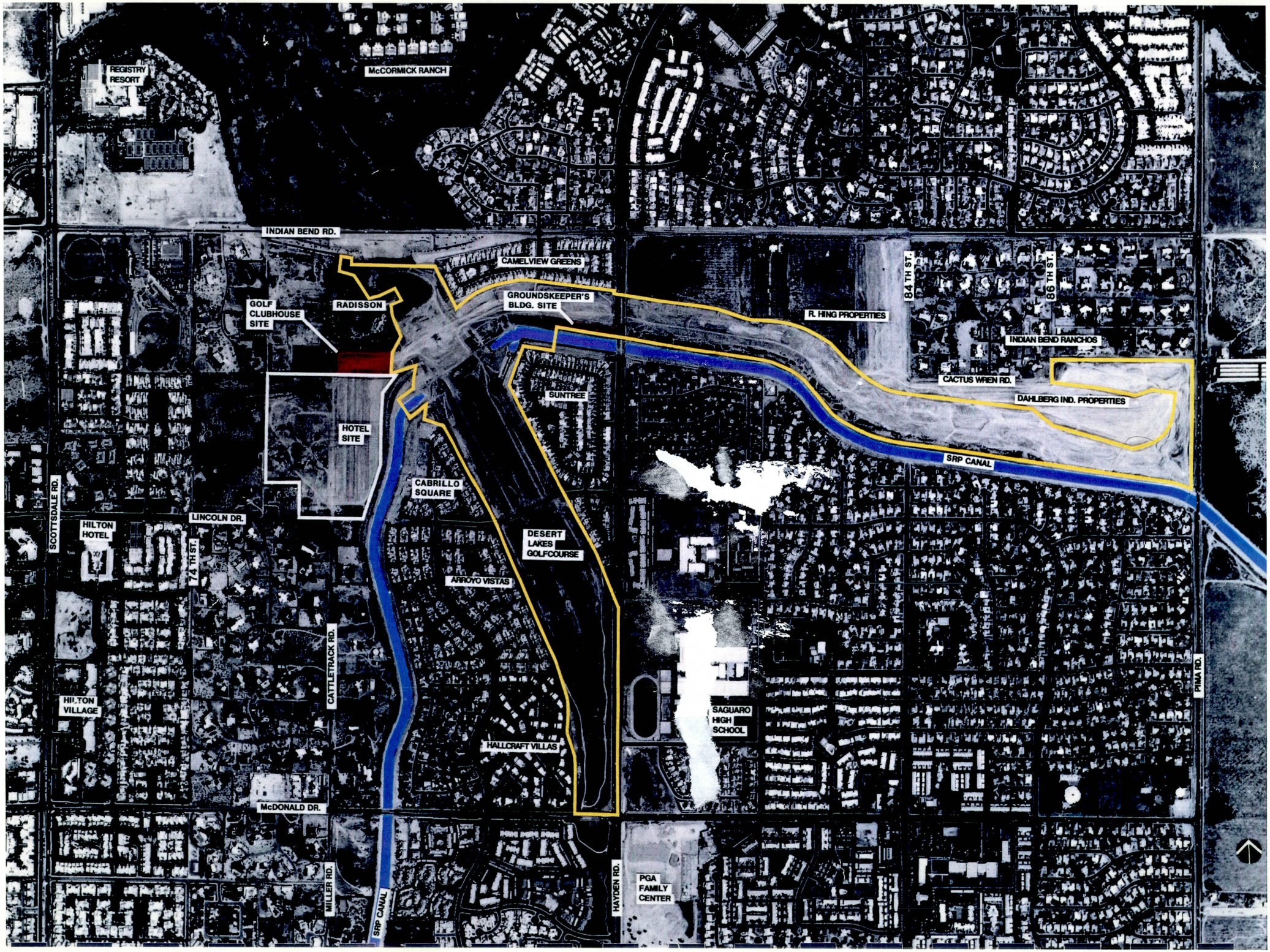
SECTION NUMBER	APPENDIX	FLOW (cfs)	VELOCITY (ft/sec)	DEPTH (ft)	WATER SURFACE ELEVATION	TOP WIDTH (ft)
6557	J	4,070	1.59	10.3	1279.88	327
	K	4,070	1.59	10.3	1279.88	327
	L	3,930	6.44	7.9	1281.29	85
6777	J	3,575	1.29	10.2	1279.91	330
	K	3,575	1.29	10.2	1279.91	330
	L	4,425	7.36	7.8	1281.28	85
6997	J	3,168	0.61	10.1	1279.93	626
	K	3,168	0.61	10.1	1279.93	626
	L	4,832	8.12	7.7	1281.31	84
7217	J	2,850	2.70	9.7	1279.88	138
	K	2,850	2.70	9.7	1279.88	138
	L	5,150	8.67	7.7	1281.40	84
7329	J	2,850	2.69	9.7	1279.91	138
	K	2,850	2.69	9.7	1279.91	138
	L	5,150	8.36	7.9	1281.58	86
7431	J	2,850	3.23	9.0	1279.91	116
	K	2,850	3.23	9.0	1279.91	116
	L	5,150	8.16	8.1	1281.78	86
7452	L	5,150	8.02	8.2	1281.94	86
7455	J	2,850	4.43	8.9	1279.85	79
	K	2,850	4.43	8.9	1279.85	79
7458	L	5,150	8.02	8.2	1281.94	86
7499	L	5,150	8.35	8.2	1281.97	83
7532	L	5,150	8.28	8.2	1282.04	84
7575	J	2,850	4.21	9.3	1280.29	79
	K	2,850	4.21	9.3	1280.29	79
7680	L	5,150	7.83	8.4	1282.29	87
7695	J	2,850	2.59	9.3	1280.49	137
	K	2,850	2.59	9.3	1280.49	137
7760	L	5,150	7.89	8.3	1282.33	87
7772	J	2,850	2.61	9.2	1280.49	137
	K	2,850	2.61	9.2	1280.49	137
	L	5,150	8.62	8.3	1282.25	86

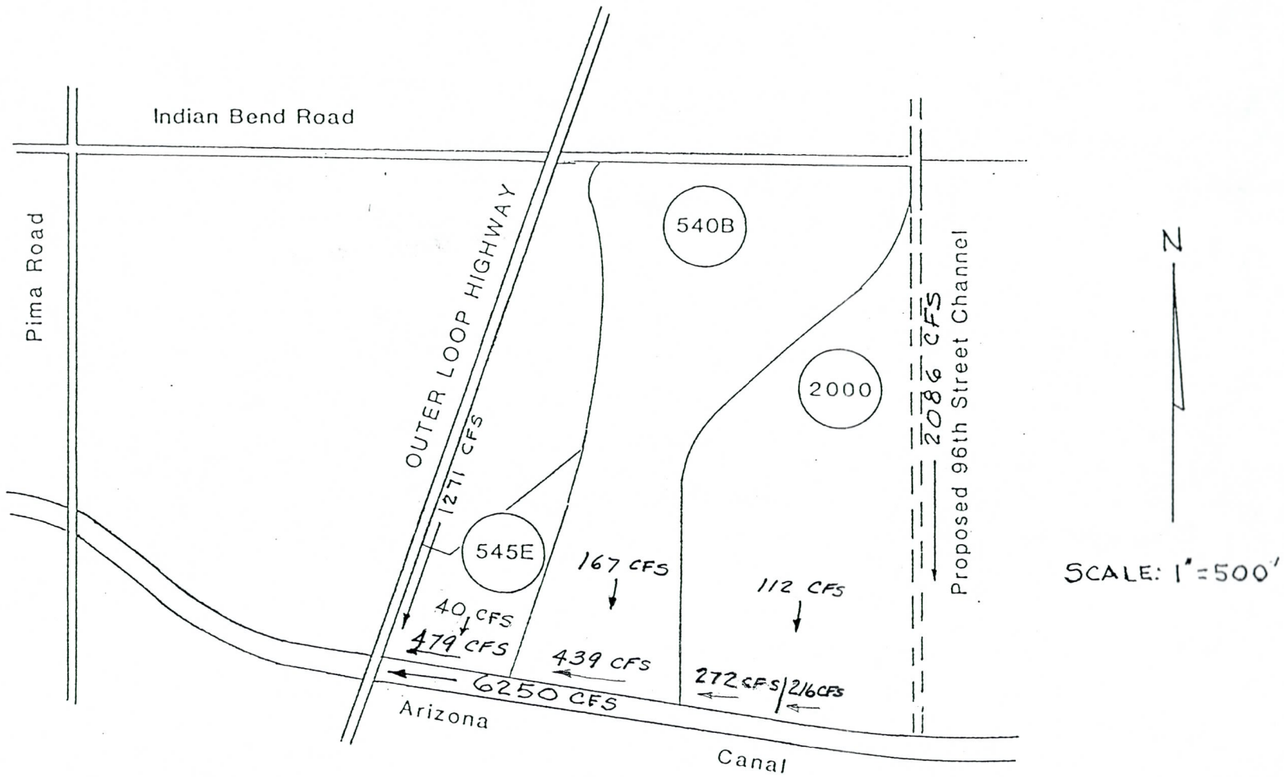
APPENDICES J, K, L

SECTION NUMBER	APPENDIX	FLOW (cfs)	VELOCITY (ft/sec)	DEPTH (ft)	WATER SURFACE ELEVATION	TOP WIDTH (ft)
8100	J	2,850	2.72	8.9	1280.51	136
	K	2,850	2.72	8.9	1280.51	136
	L	5,150	7.41	8.8	1282.91	88
8600	J	2,850	2.90	8.4	1280.54	134
	K	2,850	2.90	8.4	1280.54	134
	L	5,150	7.21	9.0	1283.23	88
8700	J	2,850	2.94	8.3	1280.55	133
	K	2,850	2.94	8.3	1280.55	133
	L	5,164	7.28	9.0	1283.27	88
8920	J	2,838	3.01	8.1	1280.57	132
	K	2,838	3.01	8.1	1280.57	132
	L	5,465	7.77	8.9	1283.32	88
9140	J	2,560	2.78	7.9	1280.61	132
	K	2,560	2.78	7.9	1280.61	132
	L	5,813	8.26	8.9	1283.38	89
9360	J	2,222	2.48	7.8	1280.65	131
	K	2,222	2.48	7.8	1280.65	131
	L	6,210	8.92	8.8	1283.42	88
9460	J	1,804	2.03	7.7	1280.69	131
	K	1,804	2.03	7.7	1280.69	131
	L	6,250	8.88	8.9	1283.52	88
9600	J	1,750	2.13	7.6	1280.70	157
	K	1,750	2.13	7.6	1280.70	157
	L	6,250	8.71	9.1	1283.68	87
9770	J	1,750	2.17	7.4	1280.71	158
	K	1,750	2.17	7.4	1280.71	158
	L	6,250	8.53	9.3	1283.85	87
9800	J	1,750	0.28	7.3	1280.79	1612
	K	1,750	0.28	7.5	1280.79	1612
9801	J	1,750	0.28	7.3	1280.79	1612
9885	K	479	4.82	0.8	1280.79	140
9900	K	479	3.96	1.6	1281.88	249
	L	6,250	8.66	9.1	1283.92	87
10000	K	479	1.98	2.0	1282.28	359
	L	6,250	8.55	9.2	1284.02	87

APPENDICES J, K, L

SECTION NUMBER	APPENDIX	FLOW (cfs)	VELOCITY (ft/sec)	DEPTH (ft)	WATER SURFACE ELEVATION	TOP WIDTH (ft)
10600	K	439	1.49	1.1	1283.09	514
	L	6,250	8.29	9.5	1284.49	87
11100	K	439	0.81	2.1	1283.44	613
	L	6,250	8.16	9.6	1284.84	88
11200	K	439	0.85	1.5	1283.47	613
	L	6,250	8.13	9.7	1284.91	88
11400	K	272	0.51	1.5	1283.52	629
	L	6,250	8.10	9.7	1285.04	89
11900	K	272	0.48	1.6	1283.59	644
	L	6,250	7.98	9.9	1285.37	89
12300	K	216	1.07	1.3	1283.63	656
	L	6,250	7.83	10.0	1285.63	89
PIMA FREEWAY DRAINAGE CHANNEL (AS TRIBUTARY)						
-9801	J	1,750	0.28	7.3	1280.79	1612
1	J	1,750	3.04	6.7	1280.69	112
2	J	1,750	3.55	5.7	1280.77	112
3	J	1,750	4.70	4.6	1281.02	99


REGISTRY RESORT
McCORMICK RANCH
INDIAN BEND RD.
CAMELVIEW GREENS
GROUNDSKEEPER'S BLDG. SITE
GOLF CLUBHOUSE SITE
RADISSON
R. HING PROPERTIES
84 TH ST.
86 TH ST.
INDIAN BEND RANCHOS
CACTUS WREN RD.
DAHLBERG IND. PROPERTIES
SUNTREE
HOTEL SITE
SRP CANAL
CABRILLO SQUARE
LINCOLN DR.
HILTON HOTEL
SCOTTSDALE RD.
74 TH ST.
DESERT LAKES GOLFCOURSE
ARROYO VISTAS
CATTLETRACK RD.
HILTON VILLAGE
SAGUARO HIGH SCHOOL
PIMA RD.
HALLCRAFT VILLAS
McDONALD DR.
MILLER RD.
SRP CANAL
HAYDEN RD.
PGA FAMILY CENTER



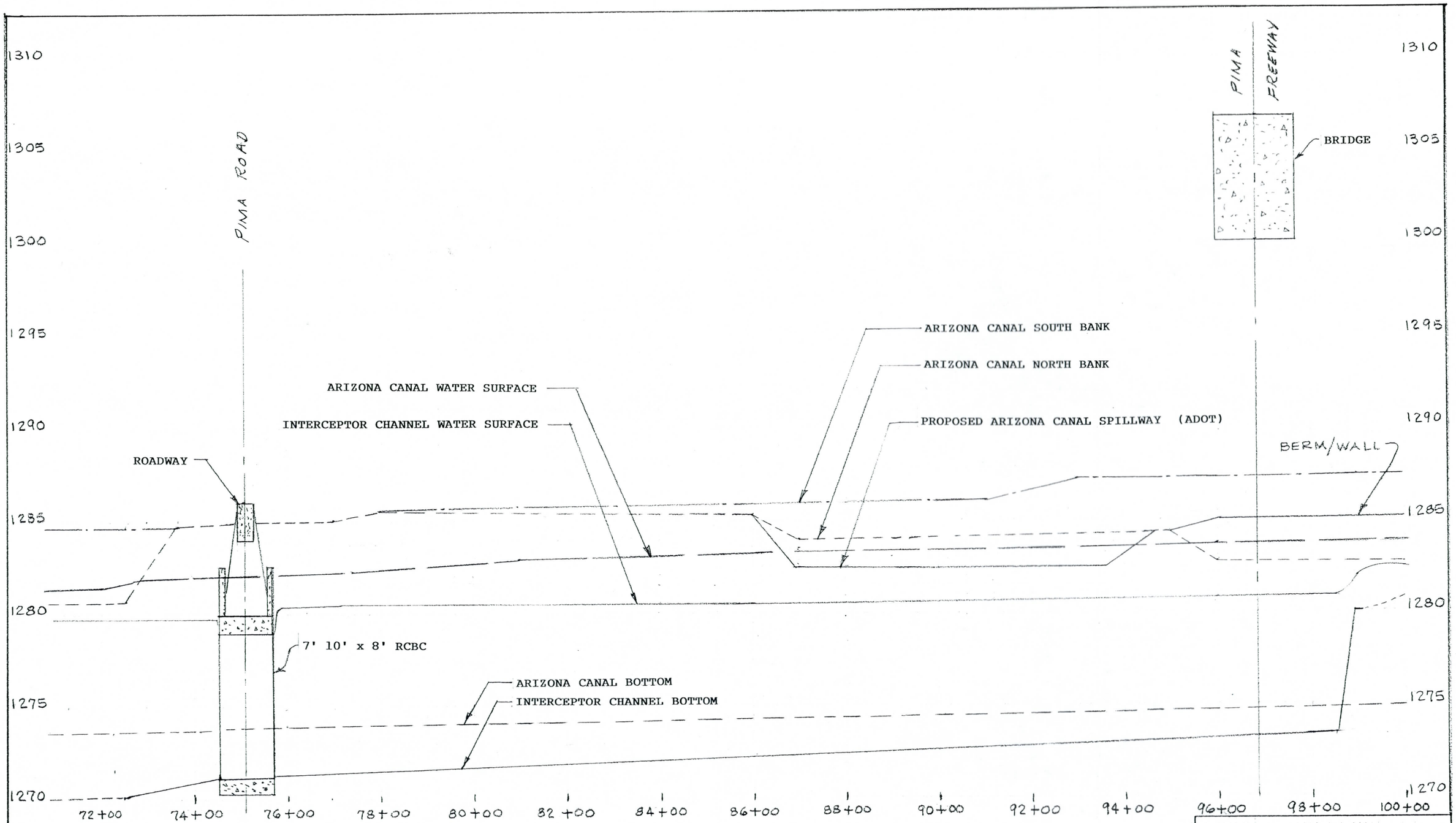
REFERENCE:

PRELIMINARY DESIGN REPORT LANDSCAPED CHANNEL CONCEPT,
OUTER LOOP HIGHWAY VIA LINDA TO THE ARIZONA CANAL,
FINAL REPORT, ROBERT L. WARD, P.E., MARCH 16, 1990

EXHIBIT 25

PEAK DISCHARGE MAP

AMENDMENT NO. 2
SUPPLEMENT TO
CONCEPT STUDY
PIMA FREEWAY CROSSING ARIZONA CANAL



PROFILE

SCALE: 1" = 200' (HOR.)
1" = 5' (VERT.)

EXHIBIT 26

COMBINED PROFILE

AMENDMENT NO. 2
SUPPLEMENT TO
CONCEPT STUDY
PIMA FREEWAY CROSSING ARIZONA CANAL

```
*************************************************
*  WATER SURFACE PROFILES                       *
*  VERSION OF SEPTEMBER 1988                    *
*                                               *
*                                               *
*  RUN DATE     1/ 7/91    TIME    14:41:14     *
*************************************************
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*************************************
*  U.S. ARMY CORPS OF ENGINEERS     *
*  THE HYDROLOGIC ENGINEERING CENTER *
*  609 SECOND STREET, SUITE D       *
*  DAVIS, CALIFORNIA 95616          *
*  (916) 756-1104                   *
*************************************
```

```
X     X  XXXXXXX   XXXXX             XXXXX
X     X  X        X     X           X     X
X     X  X        X                       X
XXXXXXX  XXXX     X         XXXXX    XXXXX
X     X  X        X                 X
X     X  X        X     X           X
X     X  XXXXXXX   XXXXX            XXXXXXX
```

END OF BANNER

THIS RUN EXECUTED 1/ 7/91 14:41:14

****
HEC2 RELEASE DATED SEPT 88

****

* *
* A M M E N D M E N T N O. 2 *
* *

****
* F I N A L *
****

* * * * * * * * * * * * * * * * * * *
* A P P E N D I X J *
* * * * * * * * * * * * * * * * * * *

THIS FILE IS NAMED: APNDXJR.IN

THIS MODEL IS FOR (ADOT) DESIGN CONDITIONS

DATUM IS CORPS OF ENGINEERS (COE)

-------- DO NOT USE FOR ARIZONA CANAL ---------

THIS MODEL FOR IBW INTERCEPTOR CHANNEL (COE)
AND THE PROPOSED ARIZONA CANAL INTERCEPTOR CHANNEL (ADOT)

POINT OF BEGINNING IS AT SECTION 5900.0 AS EXISTING CONDITIONS
ARE NOT KNOWN WEST OF SECTION 5900.0

THE STARTING WATER SURFACE ELEVATION IS 1279.61 FROM APPENDIX D
SECTION 5900.0

PROFILE 1 Q = 5500 CFS AT INDIAN BEND WASH OUTLET
FLOWS FROM HEC-2 MODEL APPENDIX B

STA	DISTANCE FEET	ACCUM DISTANCE FEET	AZ CANAL FLOW CFS	PROPOSED SPILLWAY DISCHARGE CFS	COE IBW INT.CHAN FLOW CFS
6117.0	0	0	2500	0	5500
6337.0	220	220	3303	803	4697

6557.0	220	440	3930	627	4070
6777.0	220	660	4475	495	3575
6997.0	220	880	4832	407	3138
7217.0	220	1100	5150	318	2850

THIS MODEL USES THE TRIBUTARY METHOD OF EVALUATING THE ADOT
PIMA FREEWAY DRAINAGE CHANNEL CONFLUENCE WITH THE
ADOT ARIZONA CANAL INTERCEPTOR CHANNEL

T1 DESIGN CONDITIONS
T2 CORPS OF ENGINEERS DATUM
T3 ARIZONA CANAL INTERCEPTOR CHANNEL

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	0	2							1279.61	

J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	1	0	-1					7		

J3 VARIABLE CODES FOR SUMMARY PRINTOUT

120 150

NC	0.030	0.030	0.030	.1	.3					
QT	1	5500								
NH	2	0.018	91.8	0.030	486.8					
X1	5900.0	10	91.8	486.8	0	0	0			
X3	10									
GR	1284.2	0	1273.2	11	1273.2	81	1284.0	91.8	1281.4	226.6
GR	1272.0	283	1271.0	358	1272.0	433	1266.5	450	1281.5	486.8
NH	2	0.018	91.8	0.030	703					
X1	6010.0	13	91.8	703	110	110	110			
X3	10									
GR	1284.2	0	1273.2	11	1273.2	81	1284.0	91.8	1280.0	154
GR	1278.0	220	1275.0	285	1272.0	335	1270.0	398	1267.0	460
GR	1273.0	502	1275.0	523	1285.0	703				
QT	1	5500								
NH	2	0.018	88.3	0.030	703					

BEGIN COE SPILLWAY DOWNSTREAM

```
X1   6117.0      13     88.3     703     107     107     107
X3      10
GR   1284.2       0   1273.2      11  1273.2      81  1280.5    88.3  1279.5     126
GR   1278.0     190   1275.0     317  1273.0     353  1270.0     380  1269.4     400
GR   1273.0     460   1275.0     523  1285.0     703

QT       1    4697
NH       2   0.018     88.3   0.030     457
X1   6337.0      27     88.3     457     220     220     220
X3      10
GR   1284.5       0   1273.3      11  1273.3      81  1280.8    88.3  1279.6     111
GR   1272.2     134   1271.2     189  1272.2     244  1280.5     304  1269.5     354
GR   1270.0     356   1270.0     373  1271.0     386  1272.0     390  1273.0     395
GR   1274.0     400   1275.0     402  1276.0     406  1277.0     411  1278.0     415
GR   1279.0     419   1280.0     424  1281.0     432  1282.0     440  1283.0     450
GR   1284.0     453   1285.0     457

QT       1    4070
NH       2   0.018      90.0   0.030     484
X1   6557.0      28       90     484     220     220     220
X3      10
GR   1284.5       0   1273.4      12  1273.4      82  1280.7      90  1279.9   115.4
GR   1272.4     134   1271.4     215  1269.6     252  1270.0     306  1271.0     311
GR   1272.0     316   1271.0     321  1274.0     325  1274.0     351  1273.0     354
GR   1272.0     357   1271.0     361  1270.0     366  1271.0     400  1273.0     413
GR   1274.0     418   1275.0     421  1278.0     434  1280.0     443  1281.0     447
GR   1283.0     456   1285.0     464  1290.0     484

QT       1    3575
NH       2   0.018     88.3   0.030     484
X1   6777.0      19     88.3     484     220     220     220
X3      10
GR   1284.5       0   1273.5      11  1273.5      81  1280.8    88.3  1280.6   113.5
GR   1272.2     134   1272.0     220  1270.0     238  1270.0     331  1269.7     378
GR   1269.7     378   1270.0     389  1272.0     417  1274.0     425  1275.0     429
GR   1278.0     440   1282.0     451  1285.0     461  1290.0     484

QT       1    3168
NH       2   0.018     88.8   0.030     829
X1   6997.0      19     88.8     829     220     220     220
X3      10
GR   1285.0       0   1273.6    11.3  1273.6    81.3  1281.0    88.8  1280.8   113.8
GR   1272.7   141.8   1272.0     202  1271.0     210  1270.0     274  1269.8     302
GR   1269.8     309   1270.0     381  1270.0     626  1271.0     640  1273.0     654
GR   1276.0     681   1279.0     709  1281.0     781  1285.0     829

NC   0.030   0.030     0.030      .3      .5
QT       1    2850


        END COE SPILLWAY UPSTREAM
```

```
X1   7217.0      30     89.6     938     220     220     220
CI    200    1270.2    0.030     2.0     4.0             -80
X3     10
GR   1285.0       0    1273.7    11.3  1273.7    81.3  1281.0    89.6  1280.0   113.8
GR   1281.0     143    1283.0     148  1284.0     151  1282.0     180  1280.0     185
GR   1278.0     190    1278.0     200  1280.0     205  1282.0     215  1284.0     225
GR   1283.0     249    1282.0     335  1286.0     350  1288.0     355  1290.0     364
GR   1287.0     407    1284.0     414  1280.0     454  1277.0     518  1278.0     540
GR   1280.0     590    1276.0     640  1272.0     808  1276.0     910  1280.0     938

X1   7329.0      12     88.6    1226     112     112     112
CI    200
X3     10
GR   1285.0       0    1273.7    11.3  1273.7    81.3  1284.0    88.6  1284.2   113.8
GR   1284.0     134    1284.0     147  1283.0     166  1272.4     178  1272.4     231
GR   1281.0     361    1282.0    1226

X1   7431.0      12    117.5    1220     102     102     102
CI    200    1270.9                     2.0
X3     10
GR   1285.0       0    1273.7    11.8  1273.7    81.3  1284.7    92.3  1284.5   117.5
GR   1285.0   127.5    1284.3     146  1283.0     170  1272.5     180  1272.5     230
GR   1281.0     365    1282.0    1220

NC                                .3      .5
```

PIMA ROAD DOWNSTREAM

```
X1   7455.0      38     117     200      24      24      24
CI    160    1271.0                                    .01
X3     10
GR   1285.0       0    1273.8    11.2  1273.8    30.5  1284.0  30.501  1284.0    31.8
GR   1273.8  31.801    1273.8    61.5  1284.0  61.501  1284.0    62.8  1273.8  62.801
GR   1273.8    81.3    1285.0      92  1284.8     117  1271.0 117.001  1271.0     129
GR   1279.0 129.001    1279.0     130  1271.0 130.001  1271.0     142  1279.0 142.001
GR   1279.0     143    1271.0 143.001  1271.0     155  1279.0 155.001  1279.0     156
GR   1271.0 156.001    1271.0     168  1279.0 168.001  1279.0     169  1271.0 169.001
GR   1271.0     181    1279.0 181.001  1279.0     182  1271.0 182.001  1271.0     194
GR   1279.0 194.001    1279.0     195  1284.0     200

NC                     0.013
SB    1.25    1.88      2.5                 77       5     576          1271.2  1271.0
```

PIMA ROAD UPSTREAM

```
X1   7575.0                                120     120     120
X2                        1  1279.0  1286.0
X3     10
BT      4     110    1286.0  1286.0     111  1286.0  1279.0     198  1286.0  1279.0
BT    199  1286.0    1286.0
```

```
NC       0         0         0        .1        .3
X1   7695.0        11     116.4      1285       120       120       120
CI     220    1271.2     0.018         2         2                 100
X3      10
GR   1285.0         0    1273.9      11.2    1273.9      81.2    1285.0      92.2    1284.8     116.4
GR   1285.0     126.0    1280.5     137.0    1282.0     332.0    1283.0       937    1284.0      1000
GR   1285.0      1285

X1   7772.0        11       122      1285        80        80        80
CI     250     .0010
X3      10
GR   1285.0         0    1274.0        11    1274.0        81    1285.0        92    1283.5       122
GR   1284.0       126    1280.5       137    1282.0       332    1283.0       937    1284.0      1000
GR   1285.0      1285

X1   8100.0        12       122      1520       350       350       350
CI
X3      10
GR   1285.5         0    1274.1      11.5    1274.1      81.5    1285.0      92.5    1285.0       122
GR   1280.7       126    1280.8       320    1281.0       402    1282.0       647    1283.0       950
GR   1284.0      1250    1285.0      1520

        BEGIN ARIZONA CANAL SPILLWAY  # 1 (SRP) DOWNSTREAM NORTH BANK
        BEGIN PROPOSED SPILLWAY (ADOT)

X1   8600.0        13       116      1680       500       500       500
CI
X3      10
GR   1285.2         0    1274.2      11.5    1274.2      81.5    1285.2      92.5    1285.0       116
GR   1280.8       126    1280.9       320    1281.0       402    1282.0       650    1283.0       896
GR   1284.0      1200    1285.0      1600    1285.5      1680

X1   8700.0        13       116      1570       100       100       100
CI
X3      10
GR   1285.8         0    1274.3      11.5    1274.3      81.5    1283.8      90.5    1283.6       116
GR   1281.4       120    1281.0     352.0    1281.5       470    1282.0       652    1283.0       872
GR   1284.0      1200    1285.0      1570    1285.5      1680

QT       1      2838
X1   8920.0        12        92      1700       220       220       220
CI
X3      10
GR   1286.0         0    1274.4      12.5    1274.4      82.5    1284.1      92.0    1281.2       117
GR   1280.9       250    1281.0       380    1282.0       580    1283.0       956    1284.0      1200
GR   1285.0      1400    1286.0      1700
```

```
QT       1      2560
X1   9140.0        12        92      1700       220       220       220
CI
X3      10
GR   1286.0         0    1274.5      12.5    1274.5      82.5    1284.1      92.0    1282.0       117
GR   1280.9       250    1281.0       380    1282.0       580    1283.0       956    1284.0      1200
GR   1285.0      1200    1286.0      1700

QT       1      2222
X1   9360.0        11        92      1490       220       220       220
CI
X3      10
GR   1287.0         0    1274.6      12.5    1274.6      82.5    1284.0      92.0    1283.6       116
GR   1281.5       400    1282.0       480    1283.0       760    1284.0      1030    1285.0      1250
GR   1286.0      1490

QT       1      1804


        END PROPOSED SPILLWAY (ADOT)

        BEGIN DRAINAGE WALL DOWNSTREAM


X1   9460.0         0         0         0       100       100       100
CI
X3      10                                                                  1287.0    1285.0

QT       1      1750


        PROPOSED PIMA FREEWAY DOWNSTREAM


X1   9600.0        12      90.5       220       140       140       140
CI                                          0.001
X3      10                            0    1286.0       290    1290.0    1287.1    1285.0
GR   1287.1         0    1274.6      12.5    1274.6      82.5    1282.5      90.5    1280.3       100
GR   1281.5       220    1282.0       340    1282.0       470    1283.0       690    1284.0      1070
GR   1285.0      1270    1286.0      1450


        PROPOSED PIMA FREEWAY UPSTREAM


X1   9770.0         0         0         0       170       170       170
CI
X3      10                            0    1285.0       310    1290.0    1287.1    1285.0
```

```
X1   9800.0      14      90    1800      30      30      30
CI     .01     .01     .01     .01     .01             .01
X3      10                                                      1287.0   1285.0
GR   1287.0       0  1274.7    12.5  1274.7    82.0  1282.5      90  1280.3     100
GR   1273.5     180  1273.5     280  1274.3     330  1275.1     450  1277.1    1000
GR   1279.0    1500  1280.0    1670  1281.0    1720  1286.0    1800

X1   9801.0       0       0       0       1       1       1
X3      10                                                      1287.0   1285.0

X1   -9801.       0       0       0       1       1       1
X3      10                                                      1287.0   1285.0

NC    0.030   0.030   0.030

       SECTION NO.  2531 + 00

X1     1.0       4       0     122     200     200     200
X3      10
GR   1282.0       0  1274.0    30.0  1274.0      90  1282.0     122

       SECTION NO.  2529 + 00

X1     2.0       4       0     124     200     200     200
X3      10
GR   1282.1       0  1275.1    30.0  1275.1    92.0  1282.1     124

       SECTION NO.  2525 + 50

X1     3.0       4       0   128.0     350     350     350
X3      10
GR   1284.6       0  1276.4    33.0  1276.4    95.0  1284.6   128.0
```

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


*PROF 1



CCHV=     .100 CEHV=     .300
1490 NH CARD USED
*SECNO 5900.000

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE. ELLEA=      1284.00 ELREA=      1281.50

  5900.00    13.11  1279.61      .00  1279.61  1279.76      .15      .00      .00  1284.00
    5500.       0.    5500.       0.       0.    1777.       0.       0.       0.  1281.50
      .00      .00     3.09      .00     .000     .030     .000     .000  1266.50   237.34
  .000284       0.       0.       0.        0        0        0      .00   244.82   482.16


1490 NH CARD USED
*SECNO 6010.000

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE. ELLEA=      1284.00 ELREA=      1285.00

  6010.00    12.72  1279.72      .00      .00  1279.79      .07      .03      .01  1284.00
    5500.       0.    5500.       0.       0.    2542.       0.       5.       1.  1285.00
      .01      .00     2.16      .00     .000     .030     .000     .000  1267.00   163.29
  .000187     110.     110.     110.        2        0        0      .00   444.65   607.94


1490 NH CARD USED
*SECNO 6117.000

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE. ELLEA=      1280.50 ELREA=      1285.00

  6117.00    10.33  1279.73      .00      .00  1279.83      .10      .03      .01  1280.50
    5500.       0.    5500.       0.       0.    2180.       0.      11.       2.  1285.00
      .03      .00     2.52      .00     .000     .030     .000     .000  1269.40   117.12
  .000356     107.     107.     107.        1        0        0      .00   491.12   608.24


1490 NH CARD USED
*SECNO 6337.000

3265 DIVIDED FLOW
```

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

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 1280.80 ELREA= 1285.00

6337.00	10.29	1279.79	.00	.00	1279.89	.10	.06	.00	1280.80
4697.	0.	4697.	0.	0.	1896.	0.	22.	4.	1285.00
.05	.00	2.48	.00	.000	.030	.000	.000	1269.50	107.46
.000225	220.	220.	220.	0	0	0	.00	307.08	422.93

1490 NH CARD USED
*SECNO 6557.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 1280.70 ELREA= 1290.00

6557.00	10.28	1279.88	.00	.00	1279.92	.04	.03	.01	1280.70
4070.	0.	4070.	0.	0.	2564.	0.	33.	6.	1290.00
.09	.00	1.59	.00	.000	.030	.000	.000	1269.60	115.45
.000067	220.	220.	220.	2	0	0	.00	327.02	442.47

1490 NH CARD USED
*SECNO 6777.000

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 1280.80 ELREA= 1290.00

6777.00	10.21	1279.91	.00	.00	1279.93	.03	.01	.00	1280.80
3575.	0.	3575.	0.	0.	2780.	0.	46.	7.	1290.00
.14	.00	1.29	.00	.000	.030	.000	.000	1269.70	115.18
.000040	220.	220.	220.	0	0	0	.00	330.09	445.26

1490 NH CARD USED
*SECNO 6997.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 1281.00 ELREA= 1285.00

6997.00	10.13	1279.93	.00	.00	1279.94	.01	.00	.00	1281.00
3168.	0.	3168.	0.	0.	5195.	0.	66.	10.	1285.00
.24	.00	.61	.00	.000	.030	.000	.000	1269.80	116.82
.000009	220.	220.	220.	1	0	0	.00	625.53	742.35

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


CCHV=     .300 CEHV=     .500
*SECNO 7217.000
CHIMP CLSTA=     200.00 CELCH=    1270.20 BW=      80.00 STCHL=      89.60 STCHR=     938.00
EXCAVATION DATA
AEX=    -596.4SQ-FT     VEXR=        .0K*CU-YD     VEXT=         .0K*CU-YD


3302 WARNING:  CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE


3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA=      1281.00 ELREA=      1280.00

  7217.00     9.68  1279.88      .00      .00  1280.00      .11      .01      .05  1281.00
    2850.       0.    2850.       0.       0.    1056.       0.      82.      12.   1280.00
      .26      .00     2.70      .00     .000     .030     .000     .000  1270.20   140.63
  .000204     220.     220.     220.        2        0        0      .00   138.11   278.74


*SECNO 7329.000
CHIMP CLSTA=     200.00 CELCH=    1270.20 BW=      80.00 STCHL=      88.60 STCHR=    1226.00
EXCAVATION DATA
AEX=    -266.5SQ-FT     VEXR=      -1.8K*CU-YD     VEXT=       -1.8K*CU-YD


3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA=      1284.00 ELREA=      1282.00

  7329.00     9.71  1279.91      .00      .00  1280.02      .11      .02      .00  1284.00
    2850.       0.    2850.       0.       0.    1059.       0.      85.      12.   1282.00
      .27      .00     2.69      .00     .000     .030     .000     .000  1270.20   140.60
  .000202     112.     112.     112.        1        0        0      .00   138.21   278.81


*SECNO 7431.000
CHIMP CLSTA=     200.00 CELCH=    1270.90 BW=      80.00 STCHL=     117.50 STCHR=    1220.00
EXCAVATION DATA
AEX=    -452.2SQ-FT     VEXR=      -1.4K*CU-YD     VEXT=       -3.1K*CU-YD


3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA=      1284.50 ELREA=      1282.00

  7431.00     9.01  1279.91      .00      .00  1280.07      .16      .02      .02  1284.50
    2850.       0.    2850.       0.       0.     883.       0.      87.      12.   1282.00
      .28      .00     3.23      .00     .000     .030     .000     .000  1270.90   141.98
  .000298     102.     102.     102.        2        0        0      .00   116.03   258.02
```

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

CCHV= .300 CEHV= .500
*SECNO 7455.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 1284.80 ELREA= 1284.00

7455.00	8.85	1279.85	.00	.00	1280.16	.31	.01	.07	1284.80
2850.	0.	2850.	0.	0.	643.	0.	88.	12.	1284.00
.28	.00	4.43	.00	.000	.030	.000	.000	1271.00	117.00
.001426	24.	24.	24.	2	0	0	.00	78.85	195.85

SPECIAL BRIDGE

SB	XK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS	ELCHU	ELCHD
	1.25	1.88	2.50	.00	77.00	5.00	576.00	.00	1271.20	1271.00

*SECNO 7575.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

PRESSURE FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TRAPEZOID AREA	ELLC	ELTRD	WEIRLN
1280.56	1280.20	.05	0.	2850.	576.	562.	1279.00	1286.00	0.

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 1284.80 ELREA= 1284.00

7575.00	9.29	1280.29	.00	.00	1280.56	.27	.41	.00	1284.80
2850.	0.	2850.	0.	0.	677.	0.	89.	13.	1284.00
.29	.00	4.21	.00	.000	.013	.000	.000	1271.00	117.00
.000226	120.	120.	120.	2	0	0	.00	79.29	196.29

CCHV= .100 CEHV= .300
*SECNO 7695.000
CHIMP CLSTA= 220.00 CELCH= 1271.20 BW= 100.00 STCHL= 116.40 STCHR= 1285.00

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

EXCAVATION DATA
AEX= 1192.0SQ-FT VEXR= 1.6K*CU-YD VEXT= -1.5K*CU-YD

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 1284.80 ELREA= 1285.00

7695.00	9.29	1280.49	.00	.00	1280.59	.10	.01	.02	1284.80
2850.	0.	2850.	0.	0.	1102.	0.	92.	13.	1285.00
.30	.00	2.59	.00	.000	.018	.000	.000	1271.20	151.42
.000064	120.	120.	120.	2	0	0	.00	137.16	288.58

*SECNO 7772.000
CHIMP CLSTA= 250.00 CELCH= 1271.28 BW= 100.00 STCHL= 122.00 STCHR= 1285.00
EXCAVATION DATA
AEX= 1213.1SQ-FT VEXR= 3.6K*CU-YD VEXT= 2.1K*CU-YD

3265 DIVIDED FLOW

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 1283.50 ELREA= 1285.00

7772.00	9.21	1280.49	.00	.00	1280.60	.11	.01	.00	1283.50
2850.	0.	2850.	0.	0.	1092.	0.	94.	13.	1285.00
.31	.00	2.61	.00	.000	.018	.000	.000	1271.28	136.99
.000065	80.	80.	80.	0	0	0	.00	137.22	318.45

*SECNO 8100.000
CHIMP CLSTA= 250.00 CELCH= 1271.63 BW= 100.00 STCHL= 122.00 STCHR= 1520.00
EXCAVATION DATA
AEX= 1080.3SQ-FT VEXR= 14.9K*CU-YD VEXT= 16.9K*CU-YD

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 1285.00 ELREA= 1285.00

8100.00	8.88	1280.51	.00	.00	1280.63	.12	.02	.00	1285.00
2850.	0.	2850.	0.	0.	1047.	0.	103.	14.	1285.00
.35	.00	2.72	.00	.000	.018	.000	.000	1271.63	182.22
.000074	350.	350.	350.	0	0	0	.00	135.55	317.77

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

```
*SECNO 8600.000
CHIMP CLSTA=     250.00 CELCH=    1272.13 BW=     100.00 STCHL=     116.00 STCHR=    1680.00
EXCAVATION DATA
AEX=    1026.0SQ-FT     VEXR=      19.5K*CU-YD     VEXT=       36.4K*CU-YD


3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA=      1285.00 ELREA=      1285.50

  8600.00     8.41  1280.54      .00      .00  1280.67      .13      .04      .00  1285.00
    2850.       0.    2850.       0.       0.     983.       0.     114.      16.   1285.50
      .39      .00     2.90      .00     .000     .018     .000     .000  1272.13   183.16
  .000090     500.     500.     500.        0        0        0      .00   133.67   316.84


*SECNO 8700.000
CHIMP CLSTA=     250.00 CELCH=    1272.23 BW=     100.00 STCHL=     116.00 STCHR=    1570.00
EXCAVATION DATA
AEX=    1054.7SQ-FT     VEXR=       3.9K*CU-YD     VEXT=       40.3K*CU-YD


3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA=      1283.60 ELREA=      1285.00

  8700.00     8.32  1280.55      .00      .00  1280.68      .13      .01      .00  1283.60
    2850.       0.    2850.       0.       0.     971.       0.     116.      16.   1285.00
      .40      .00     2.94      .00     .000     .018     .000     .000  1272.23   183.36
  .000093     100.     100.     100.        0        0        0      .00   133.28   316.64


*SECNO 8920.000
CHIMP CLSTA=     250.00 CELCH=    1272.45 BW=     100.00 STCHL=      92.00 STCHR=    1700.00
EXCAVATION DATA
AEX=     994.6SQ-FT     VEXR=       8.3K*CU-YD     VEXT=       48.6K*CU-YD


3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA=      1284.10 ELREA=      1286.00

  8920.00     8.12  1280.57      .00      .00  1280.71      .14      .02      .00  1284.10
    2838.       0.    2838.       0.       0.     944.       0.     121.      17.   1286.00
      .42      .00     3.01      .00     .000     .018     .000     .000  1272.45   183.76
  .000101     220.     220.     220.        0        0        0      .00   132.48   316.24
```

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

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*SECNO 9140.000
CHIMP CLSTA=     250.00 CELCH=    1272.67 BW=     100.00 STCHL=      92.00 STCHR=    1700.00
EXCAVATION DATA
AEX=     978.8SQ-FT     VEXR=       8.0K*CU-YD     VEXT=       56.7K*CU-YD


3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA=      1284.10 ELREA=      1286.00

  9140.00     7.94  1280.61      .00      .00  1280.73      .12      .02      .00  1284.10
    2560.       0.    2560.       0.       0.     920.       0.     126.      17.   1286.00
      .45      .00     2.78      .00     .000     .018     .000     .000  1272.67   184.12
  .000088     220.     220.     220.        2        0        0      .00   131.76   315.88


*SECNO 9360.000
CHIMP CLSTA=     250.00 CELCH=    1272.89 BW=     100.00 STCHL=      92.00 STCHR=    1490.00
EXCAVATION DATA
AEX=    1161.4SQ-FT     VEXR=       8.7K*CU-YD     VEXT=       65.4K*CU-YD


3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA=      1284.00 ELREA=      1286.00

  9360.00     7.76  1280.65      .00      .00  1280.75      .10      .02      .00  1284.00
    2222.       0.    2222.       0.       0.     897.       0.     131.      18.   1286.00
      .47      .00     2.48      .00     .000     .018     .000     .000  1272.89   184.47
  .000072     220.     220.     220.        2        0        0      .00   131.06   315.53


*SECNO 9460.000
CHIMP CLSTA=     250.00 CELCH=    1272.99 BW=     100.00 STCHL=      92.00 STCHR=    1490.00
EXCAVATION DATA
AEX=    1147.5SQ-FT     VEXR=       4.3K*CU-YD     VEXT=       69.7K*CU-YD


3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA=      1287.00 ELREA=      1285.00

  9460.00     7.70  1280.69      .00      .00  1280.76      .06      .01      .00  1284.00
    1804.       0.    1804.       0.       0.     889.       0.     133.      18.   1286.00
      .48      .00     2.03      .00     .000     .018     .000     .000  1272.99   184.59
  .000049     100.     100.     100.        2        0        0      .00   130.82   315.41
```

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


*SECNO 9600.000
CHIMP CLSTA=     250.00 CELCH=    1273.13 BW=     100.00 STCHL=      90.50 STCHR=     300.02
EXCAVATION DATA
AEX=     995.8SQ-FT     VEXR=       5.6K*CU-YD     VEXT=       75.2K*CU-YD


3265 DIVIDED FLOW


3470 ENCROACHMENT STATIONS=         .0     290.0  TYPE=      1  TARGET=      289.999
 ELENCL=   1286.00  ELENCR=   1290.00

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA=      1287.10 ELREA=      1285.00

  9600.00     7.57  1280.70      .00      .00  1280.77      .07      .01      .00  1282.50
    1750.       0.    1750.       0.       0.     823.       0.     135.      19.   1290.00
      .50      .00     2.13      .00     .000     .018     .000     .000  1273.13    98.26
  .000079     140.     140.     140.        0        0        0      .00   157.18   300.01


*SECNO 9770.000
CHIMP CLSTA=     250.00 CELCH=    1273.30 BW=     100.00 STCHL=      90.50 STCHR=     300.01
EXCAVATION DATA
AEX=     894.1SQ-FT     VEXR=       5.9K*CU-YD     VEXT=       81.2K*CU-YD


3265 DIVIDED FLOW


3470 ENCROACHMENT STATIONS=         .0     310.0  TYPE=      1  TARGET=      309.999
 ELENCL=   1285.00  ELENCR=   1290.00

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA=      1287.10 ELREA=      1285.00

  9770.00     7.41  1280.71      .00      .00  1280.78      .07      .01      .00  1282.50
    1750.       0.    1750.       0.       0.     805.       0.     139.      19.   1281.83
      .52      .00     2.17      .00     .000     .018     .000     .000  1273.30    98.23
  .000085     170.     170.     170.        0        0        0      .00   157.54   300.01


*SECNO 9800.000
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  SECNO    DEPTH    CWSEL    CRIWS    WSELK    EG       HV       HL       OLOSS   BANK ELEV
  Q        QLOB     QCH      QROB     ALOB     ACH      AROB     VOL      TWA   LEFT/RIGHT
  TIME     VLOB     VCH      VROB     XNL      XNCH     XNR      WTN      ELMIN      SSTA
  SLOPE    XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID     ENDST


3302 WARNING:  CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE


3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA=      1287.00 ELREA=      1285.00

  9800.00     7.29  1280.79      .00      .00  1280.79      .00      .00      .01  1282.50
    1750.       0.    1750.       0.       0.    6300.       0.     141.      20.   1286.00
      .55      .00      .28      .00     .000     .018     .000     .000  1273.50    97.77
  .000002      30.      30.      30.        2        0        0      .00  1611.72  1709.50


*SECNO 9801.000

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA=      1287.00 ELREA=      1285.00

  9801.00     7.29  1280.79      .00      .00  1280.79      .00      .00      .00  1282.50
    1750.       0.    1750.       0.       0.    6300.       0.     141.      20.   1286.00
      .56      .00      .28      .00     .000     .018     .000     .000  1273.50    97.77
  .000002       1.       1.       1.        0        0        0      .00  1611.72  1709.50


*SECNO -9801.000
START TRIB COMP
  -9801.000  9801.000  1280.790

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA=      1287.00 ELREA=      1285.00

 -9801.00     7.29  1280.79      .00      .00  1280.79      .00      .00      .00  1282.50
    1750.       0.    1750.       0.       0.    6300.       0.     141.      20.   1286.00
      .56      .00      .28      .00     .000     .018     .000     .000  1273.50    97.77
  .000002       1.       1.       1.        0        0        0      .00  1611.72  1709.50


*SECNO 1.000

3302 WARNING:  CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE


3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA=      1282.00 ELREA=      1282.00

     1.00     6.69  1280.69      .00      .00  1280.84      .14      .00      .04  1282.00
    1750.       0.    1750.       0.       0.     575.       0.     157.      24.   1282.00
      .57      .00     3.04      .00     .000     .030     .000     .000  1274.00     4.91
  .000434     200.     200.     200.        2        0        0      .00   111.86   116.77
```

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

*SECNO 2.000

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 1282.10 ELREA= 1282.10

2.00	5.67	1280.77	.00	.00	1280.96	.20	.11	.02	1282.10
1750.	0.	1750.	0.	0.	493.	0.	159.	25.	1282.10
.59	.00	3.55	.00	.000	.030	.000	.000	1275.10	5.72
.000722	200.	200.	200.	2	0	0	.00	112.18	117.90

*SECNO 3.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 1284.60 ELREA= 1284.60

3.00	4.62	1281.02	.00	.00	1281.36	.34	.36	.04	1284.60
1750.	0.	1750.	0.	0.	372.	0.	163.	25.	1284.60
.61	.00	4.70	.00	.000	.030	.000	.000	1276.40	14.40
.001566	350.	350.	350.	2	0	0	.00	99.19	113.60

THIS RUN EXECUTED 1/ 7/91 14:41:19

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HEC2 RELEASE DATED SEPT 88

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NOTE- ASTERISK (*) AT LEFT OF CROSS-SECTION NUMBER INDICATES MESSAGE IN SUMMARY OF ERRORS LIST

ARIZONA CANAL INTERCEPTO

SUMMARY PRINTOUT TABLE 120

	SECNO	CWSEL	EG	VCH	10*KS	DEPTH	TOPWID	CLSTA	BW	STCHL	XLBEL	STCHR	RBEL
	5900.000	1279.61	1279.76	3.09	2.84	13.11	244.82	.00	.01	91.80	1284.00	486.80	1281.50
	6010.000	1279.72	1279.79	2.16	1.87	12.72	444.65	.00	.01	91.80	1284.00	703.00	1285.00
	6117.000	1279.73	1279.83	2.52	3.56	10.33	491.12	.00	.01	88.30	1280.50	703.00	1285.00
	6337.000	1279.79	1279.89	2.48	2.25	10.29	307.08	.00	.01	88.30	1280.80	457.00	1285.00
*	6557.000	1279.88	1279.92	1.59	.67	10.28	327.02	.00	.01	90.00	1280.70	484.00	1290.00
	6777.000	1279.91	1279.93	1.29	.40	10.21	330.09	.00	.01	88.30	1280.80	484.00	1290.00
*	6997.000	1279.93	1279.94	.61	.09	10.13	625.53	.00	.01	88.80	1281.00	829.00	1285.00
*	7217.000	1279.88	1280.00	2.70	2.04	9.68	138.11	200.00	80.00	89.60	1281.00	938.00	1280.00
	7329.000	1279.91	1280.02	2.69	2.02	9.71	138.21	200.00	80.00	88.60	1284.00	1226.00	1282.00
	7431.000	1279.91	1280.07	3.23	2.98	9.01	116.03	200.00	80.00	117.50	1284.50	1220.00	1282.00
*	7455.000	1279.85	1280.16	4.43	14.26	8.85	78.85	.00	.01	117.00	1284.80	200.00	1284.00
*	7575.000	1280.29	1280.56	4.21	2.26	9.29	79.29	.00	.01	117.00	1284.80	200.00	1284.00
*	7695.000	1280.49	1280.59	2.59	.64	9.29	137.16	220.00	100.00	116.40	1284.80	1285.00	1285.00
	7772.000	1280.49	1280.60	2.61	.65	9.21	137.22	250.00	100.00	122.00	1283.50	1285.00	1285.00
	8100.000	1280.51	1280.63	2.72	.74	8.88	135.55	250.00	100.00	122.00	1285.00	1520.00	1285.00
	8600.000	1280.54	1280.67	2.90	.90	8.41	133.67	250.00	100.00	116.00	1285.00	1680.00	1285.50
	8700.000	1280.55	1280.68	2.94	.93	8.32	133.28	250.00	100.00	116.00	1283.60	1570.00	1285.00

	SECNO	CWSEL	EG	VCH	10*KS	DEPTH	TOPWID	CLSTA	BW	STCHL	XLBEL	STCHR	RBEL
	8920.000	1280.57	1280.71	3.01	1.01	8.12	132.48	250.00	100.00	92.00	1284.10	1700.00	1286.00
	9140.000	1280.61	1280.73	2.78	.88	7.94	131.76	250.00	100.00	92.00	1284.10	1700.00	1286.00
	9360.000	1280.65	1280.75	2.48	.72	7.76	131.06	250.00	100.00	92.00	1284.00	1490.00	1286.00
	9460.000	1280.69	1280.76	2.03	.49	7.70	130.82	250.00	100.00	92.00	1284.00	1490.00	1286.00
	9600.000	1280.70	1280.77	2.13	.79	7.57	157.18	250.00	100.00	90.50	1282.50	300.02	1290.00
	9770.000	1280.71	1280.78	2.17	.85	7.41	157.54	250.00	100.00	90.50	1282.50	300.01	1281.83
*	9800.000	1280.79	1280.79	.28	.02	7.29	1611.72	.00	.01	90.00	1282.50	1800.00	1286.00
	9801.000	1280.79	1280.79	.28	.02	7.29	1611.72	.00	.01	90.00	1282.50	1800.00	1286.00
	-9801.000	1280.79	1280.79	.28	.02	7.29	1611.72	.00	.01	90.00	1282.50	1800.00	1286.00
*	1.000	1280.69	1280.84	3.04	4.34	6.69	111.86	.00	.01	.00	1282.00	122.00	1282.00
	2.000	1280.77	1280.96	3.55	7.22	5.67	112.18	.00	.01	.00	1282.10	124.00	1282.10
*	3.000	1281.02	1281.36	4.70	15.66	4.62	99.19	.00	.01	.00	1284.60	128.00	1284.60

ARIZONA CANAL INTERCEPTO

SUMMARY PRINTOUT TABLE 150

	SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRIWS	EG	10*KS	VCH	AREA	.01K
	5900.000	.00	.00	.00	1266.50	5500.00	1279.61	.00	1279.76	2.84	3.09	1777.18	3264.32
	6010.000	110.00	.00	.00	1267.00	5500.00	1279.72	.00	1279.79	1.87	2.16	2542.37	4021.26
	6117.000	107.00	.00	.00	1269.40	5500.00	1279.73	.00	1279.83	3.56	2.52	2179.91	2914.26
	6337.000	220.00	.00	.00	1269.50	4697.00	1279.79	.00	1279.89	2.25	2.48	1896.07	3133.84
*	6557.000	220.00	.00	.00	1269.60	4070.00	1279.88	.00	1279.92	.67	1.59	2563.67	4967.96
	6777.000	220.00	.00	.00	1269.70	3575.00	1279.91	.00	1279.93	.40	1.29	2779.72	5667.43
*	6997.000	220.00	.00	.00	1269.80	3168.00	1279.93	.00	1279.94	.09	.61	5195.31	10536.66
*	7217.000	220.00	.00	.00	1270.20	2850.00	1279.88	.00	1280.00	2.04	2.70	1056.16	1997.37
	7329.000	112.00	.00	.00	1270.20	2850.00	1279.91	.00	1280.02	2.02	2.69	1058.58	2003.97
	7431.000	102.00	.00	.00	1270.90	2850.00	1279.91	.00	1280.07	2.98	3.23	882.95	1652.00
*	7455.000	24.00	.00	.00	1271.00	2850.00	1279.85	.00	1280.16	14.26	4.43	642.64	754.72
*	7575.000	120.00	1286.00	1279.00	1271.00	2850.00	1280.29	.00	1280.56	2.26	4.21	677.47	1894.22
*	7695.000	120.00	.00	.00	1271.20	2850.00	1280.49	.00	1280.59	.64	2.59	1101.75	3572.49
	7772.000	80.00	.00	.00	1271.28	2850.00	1280.49	.00	1280.60	.65	2.61	1092.36	3521.61
	8100.000	350.00	.00	.00	1271.63	2850.00	1280.51	.00	1280.63	.74	2.72	1046.72	3308.26
	8600.000	500.00	.00	.00	1272.13	2850.00	1280.54	.00	1280.67	.90	2.90	983.47	3012.12
	8700.000	100.00	.00	.00	1272.23	2850.00	1280.55	.00	1280.68	.93	2.94	970.57	2952.72
	8920.000	220.00	.00	.00	1272.45	2838.00	1280.57	.00	1280.71	1.01	3.01	943.80	2830.67
	9140.000	220.00	.00	.00	1272.67	2560.00	1280.61	.00	1280.73	.88	2.78	919.97	2723.28
	9360.000	220.00	.00	.00	1272.89	2222.00	1280.65	.00	1280.75	.72	2.48	897.00	2620.98
	9460.000	100.00	.00	.00	1272.99	1804.00	1280.69	.00	1280.76	.49	2.03	889.21	2586.59
	9600.000	140.00	.00	.00	1273.13	1750.00	1280.70	.00	1280.77	.79	2.13	823.16	1971.62
	9770.000	170.00	.00	.00	1273.30	1750.00	1280.71	.00	1280.78	.85	2.17	804.64	1897.03
*	9800.000	30.00	.00	.00	1273.50	1750.00	1280.79	.00	1280.79	.02	.28	6300.33	12905.61

	SECND	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRIWS	EG	10*KS	VCH	AREA	.01K
	9801.000	1.00	.00	.00	1273.50	1750.00	1280.79	.00	1280.79	.02	.28	6300.33	12905.61
	-9801.000	1.00	.00	.00	1273.50	1750.00	1280.79	.00	1280.79	.02	.28	6300.33	12905.61
*	1.000	200.00	.00	.00	1274.00	1750.00	1280.69	.00	1280.84	4.34	3.04	574.99	839.85
	2.000	200.00	.00	.00	1275.10	1750.00	1280.77	.00	1280.96	7.22	3.55	493.41	651.25
*	3.000	350.00	.00	.00	1276.40	1750.00	1281.02	.00	1281.36	15.66	4.70	372.41	442.27

ARIZONA CANAL INTERCEPTO

SUMMARY PRINTOUT TABLE 150

	SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
	5900.000	5500.00	1279.61	.00	.00	.00	244.82	.00
	6010.000	5500.00	1279.72	.00	.11	.00	444.65	110.00
	6117.000	5500.00	1279.73	.00	.01	.00	491.12	107.00
	6337.000	4697.00	1279.79	.00	.07	.00	307.08	220.00
*	6557.000	4070.00	1279.88	.00	.09	.00	327.02	220.00
	6777.000	3575.00	1279.91	.00	.03	.00	330.09	220.00
*	6997.000	3168.00	1279.93	.00	.03	.00	625.53	220.00
*	7217.000	2850.00	1279.88	.00	-.05	.00	138.11	220.00
	7329.000	2850.00	1279.91	.00	.02	.00	138.21	112.00
	7431.000	2850.00	1279.91	.00	.00	.00	116.03	102.00
*	7455.000	2850.00	1279.85	.00	-.06	.00	78.85	24.00
*	7575.000	2850.00	1280.29	.00	.44	.00	79.29	120.00
*	7695.000	2850.00	1280.49	.00	.20	.00	137.16	120.00
	7772.000	2850.00	1280.49	.00	.00	.00	137.22	80.00
	8100.000	2850.00	1280.51	.00	.02	.00	135.55	350.00
	8600.000	2850.00	1280.54	.00	.03	.00	133.67	500.00
	8700.000	2850.00	1280.55	.00	.01	.00	133.28	100.00
	8920.000	2838.00	1280.57	.00	.02	.00	132.48	220.00
	9140.000	2560.00	1280.61	.00	.04	.00	131.76	220.00
	9360.000	2222.00	1280.65	.00	.05	.00	131.06	220.00
	9460.000	1804.00	1280.69	.00	.04	.00	130.82	100.00
	9600.000	1750.00	1280.70	.00	.00	.00	157.18	140.00
	9770.000	1750.00	1280.71	.00	.01	.00	157.54	170.00
*	9800.000	1750.00	1280.79	.00	.08	.00	1611.72	30.00

	SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
	9801.000	1750.00	1280.79	.00	.00	.00	1611.72	1.00
	-9801.000	1750.00	1280.79	.00	.00	.00	1611.72	1.00
*	1.000	1750.00	1280.69	.00	-.10	.00	111.86	200.00
	2.000	1750.00	1280.77	.00	.07	.00	112.18	200.00
*	3.000	1750.00	1281.02	.00	.26	.00	99.19	350.00

SUMMARY OF ERRORS AND SPECIAL NOTES

WARNING SECNO= 6557.000 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 6997.000 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 7217.000 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 7455.000 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 7575.000 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 7695.000 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 9800.000 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 1.000 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 3.000 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

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****************************************************
*  WATER SURFACE PROFILES                          *
*  VERSION OF SEPTEMBER 1988                       *
*                                                  *
*                                                  *
*  RUN DATE    12/ 3/90    TIME    10:51:29        *
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*************************************
*  U.S. ARMY CORPS OF ENGINEERS     *
*  THE HYDROLOGIC ENGINEERING CENTER *
*  609 SECOND STREET, SUITE D       *
*  DAVIS, CALIFORNIA 95616          *
*  (916) 756-1104                   *
*************************************
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X     X  XXXXXXX   XXXXX             XXXXX
X     X  X       X     X           X     X
X     X  X       X                       X
XXXXXXX  XXXX     X          XXXXX    XXXXX
X     X  X       X                 X
X     X  X       X     X           X
X     X  XXXXXXX   XXXXX            XXXXXXX
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END OF BANNER

THIS RUN EXECUTED 12/ 3/90 10:51:29

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****************************************
 HEC2 RELEASE DATED SEPT 88

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*   A M M E N D M E N T   N O.  2   *
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          *  F I N A L       *
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*       A P P E N D I X     K     *
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THIS FILE IS NAMED: APNDXKR.IN

THIS MODEL IS FOR (ADOT) DESIGN CONDITIONS

DATUM IS CORPS OF ENGINEERS (COE)

-------- DO NOT USE FOR ARIZONA CANAL ---------

THIS MODEL FOR 1BW INTERCEPTOR CHANNEL (COE)
AND THE PROPOSED ARIZONA CANAL INTERCEPTOR CHANNEL (ADOT)

POINT OF BEGINNING IS AT SECTION 5900.0 AS EXISTING CONDITIONS
ARE NOT KNOWN WEST OF SECTION 5900.0

THE STARTING WATER SURFACE ELEVATION IS 1279.61 FROM APPENDIX D
SECTION 5900.0

PROFILE 1 Q = 5500 CFS AT INDIAN BEND WASH OUTLET

FLOWS FROM HEC-2 MODEL APPENDIX B

STA	DISTANCE FEET	ACCUM DISTANCE FEET	AZ CANAL FLOW CFS	PROPOSED SPILLWAY DISCHARGE CFS	COE IBW INT.CHAN FLOW CFS
6117.0	0	0	2500	0	5500

6337.0	220	220	3303	803	4697
6557.0	220	440	3930	627	4070
6777.0	220	660	4475	495	3575
6997.0	220	880	4832	407	3138
7217.0	220	1100	5150	318	2850

STA.	TOTAL FLOW (CFS)	ARIZONA CANAL FLOW (CFS)	NORTH BANK FLOW (CFS)	PIMA FREEWAY DRAINAGE CHANNEL OR OVERLAND FLOW (CFS)
9885.0	8000	6250	1750	1271
9900.0	6729	6250	479	40
10600.0	6689	6250	439	167
11400.0	6522	6250	272	56
12300.0	6466	6250	216	----

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T1      DESIGN CONDITIONS
T2      CORPS OF ENGINEERS DATUM
T3      ARIZONA CANAL INTERCEPTOR CHANNEL

J1  ICHECK    INQ      NINV     IDIR     STRT     METRIC   HVINS    Q        WSEL     FQ

      0        2                                                          1279.61

J2  NPROF     IPLOT    PRFVS    XSECV    XSECH    FN       ALLDC    IBW      CHNIM    ITRACE

     1         0       -1                                                  7                15

J3  VARIABLE CODES FOR SUMMARY PRINTOUT

    120       150
```

```
NC    0.030     0.030     0.030       .1        .3
QT        1      5500
NH        2     0.018      91.8     0.030     486.8
X1   5900.0        10      91.8     486.8         0         0         0
X3       10
GR   1284.2         0    1273.2        11    1273.2        81    1284.0      91.8    1281.4     226.6
GR   1272.0       283    1271.0       358    1272.0       433    1266.5       450    1281.5     486.8

NH        2     0.018      91.8     0.030       703
X1   6010.0        13      91.8       703       110       110       110
X3       10
GR   1284.2         0    1273.2        11    1273.2        81    1284.0      91.8    1280.0       154
GR   1278.0       220    1275.0       285    1272.0       335    1270.0       398    1267.0       460
GR   1273.0       502    1275.0       523    1285.0       703

QT        1      5500
NH        2     0.018      88.3     0.030       703


          BEGIN COE SPILLWAY DOWNSTREAM


X1   6117.0        13      88.3       703       107       107       107
X3       10
GR   1284.2         0    1273.2        11    1273.2        81    1280.5      88.3    1279.5       126
GR   1278.0       190    1275.0       317    1273.0       353    1270.0       380    1269.4       400
GR   1273.0       460    1275.0       523    1285.0       703

QT        1      4697
NH        2     0.018      88.3     0.030       457
X1   6337.0        27      88.3       457       220       220       220
X3       10
GR   1284.5         0    1273.3        11    1273.3        81    1280.8      88.3    1279.6       111
GR   1272.2       134    1271.2       189    1272.2       244    1280.5       304    1269.5       354
GR   1270.0       356    1270.0       373    1271.0       386    1272.0       390    1273.0       395
GR   1274.0       400    1275.0       402    1276.0       406    1277.0       411    1278.0       415
GR   1279.0       419    1280.0       424    1281.0       432    1282.0       440    1283.0       450
GR   1284.0       453    1285.0       457

QT        1      4070
NH        2     0.018      90.0     0.030       484
X1   6557.0        28        90       484       220       220       220
X3       10
GR   1284.5         0    1273.4        12    1273.4        82    1280.7        90    1279.9     115.4
GR   1272.4       134    1271.4       215    1269.6       252    1270.0       306    1271.0       311
GR   1272.0       316    1271.0       321    1274.0       325    1274.0       351    1273.0       354
GR   1272.0       357    1271.0       361    1270.0       366    1271.0       400    1273.0       413
GR   1274.0       418    1275.0       421    1278.0       434    1280.0       443    1281.0       447
GR   1283.0       456    1285.0       464    1290.0       484
```

```
QT       1      3575
NH       2     0.018      88.3     0.030       484
X1  6777.0        19      88.3       484       220       220       220
X3      10
GR  1284.5         0    1273.5        11    1273.5        81    1280.8      88.3    1280.6     113.5
GR  1272.2       134    1272.0       220    1270.0       238    1270.0       331    1269.7       378
GR  1269.7       378    1270.0       389    1272.0       417    1274.0       425    1275.0       429
GR  1278.0       440    1282.0       451    1285.0       461    1290.0       484

QT       1      3168
NH       2     0.018      88.8     0.030       829
X1  6997.0        19      88.8       829       220       220       220
X3      10
GR  1285.0         0    1273.6      11.3    1273.6      81.3    1281.0      88.8    1280.8     113.8
GR  1272.7     141.8    1272.0       202    1271.0       210    1270.0       274    1269.8       302
GR  1269.8       309    1270.0       381    1270.0       626    1271.0       640    1273.0       654
GR  1276.0       681    1279.0       709    1281.0       781    1285.0       829

NC   0.030     0.030     0.030        .3        .5
QT       1      2850


        END COE SPILLWAY UPSTREAM


X1  7217.0        30      89.6       938       220       220       220
CI     200    1270.2     0.030       2.0       4.0                 -80
X3      10
GR  1285.0         0    1273.7      11.3    1273.7      81.3    1281.0      89.6    1280.0     113.8
GR  1281.0       143    1283.0       148    1284.0       151    1282.0       180    1280.0       185
GR  1278.0       190    1278.0       200    1280.0       205    1282.0       215    1284.0       225
GR  1283.0       249    1282.0       335    1286.0       350    1288.0       355    1290.0       364
GR  1287.0       407    1284.0       414    1280.0       454    1277.0       518    1278.0       540
GR  1280.0       590    1276.0       640    1272.0       808    1276.0       910    1280.0       938

X1  7329.0        12      88.6      1226       112       112       112
CI     200
X3      10
GR  1285.0         0    1273.7      11.3    1273.7      81.3    1284.0      88.6    1284.2     113.8
GR  1284.0       134    1284.0       147    1283.0       166    1272.4       178    1272.4       231
GR  1281.0       361    1282.0      1226

X1  7431.0        12     117.5      1220       102       102       102
CI     200    1270.9                           2.0
X3      10
GR  1285.0         0    1273.7      11.8    1273.7      81.3    1284.7      92.3    1284.5     117.5
GR  1285.0     127.5    1284.3       146    1283.0       170    1272.5       180    1272.5       230
GR  1281.0       365    1282.0      1220
```

```
NC                                .3        .5

        PIMA ROAD DOWNSTREAM

X1   7455.0       38      117      200       24       24       24
CI     160   1271.0                                      .01
X3      10
GR   1285.0        0   1273.8     11.2   1273.8     30.5   1284.0   30.501   1284.0     31.8
GR   1273.8   31.801   1273.8     61.5   1284.0   61.501   1284.0     62.8   1273.8   62.801
GR   1273.8     81.3   1285.0       92   1284.8      117   1271.0  117.001   1271.0      129
GR   1279.0  129.001   1279.0      130   1271.0  130.001   1271.0      142   1279.0  142.001
GR   1279.0      143   1271.0  143.001   1271.0      155   1279.0  155.001   1279.0      156
GR   1271.0  156.001   1271.0      168   1279.0  168.001   1279.0      169   1271.0  169.001
GR   1271.0      181   1279.0  181.001   1279.0      182   1271.0  182.001   1271.0      194
GR   1279.0  194.001   1279.0      195   1284.0      200

NC                     0.013
SB     1.25     1.88      2.5                77        5      576            1271.2   1271.0

        PIMA ROAD UPSTREAM

X1   7575.0                                120      120      120
X2                         1   1279.0   1286.0
X3      10
BT       4      110   1286.0   1286.0      111   1286.0   1279.0      198   1286.0   1279.0
BT     199   1286.0   1286.0

NC       0        0        0       .1       .3
X1   7695.0       11    116.4     1285      120      120      120
CI     220   1271.2    0.018        2        2              100
X3      10
GR   1285.0        0   1273.9     11.2   1273.9     81.2   1285.0     92.2   1284.8    116.4
GR   1285.0    126.0   1280.5    137.0   1282.0    332.0   1283.0      937   1284.0     1000
GR   1285.0     1285

X1   7772.0       11      122     1285       80       80       80
CI     250    .0010
X3      10
GR   1285.0        0   1274.0       11   1274.0       81   1285.0       92   1283.5      122
GR   1284.0      126   1280.5      137   1282.0      332   1283.0      937   1284.0     1000
GR   1285.0     1285

X1   8100.0       12      122     1520      350      350      350
CI
X3      10
GR   1285.5        0   1274.1     11.5   1274.1     81.5   1285.0     92.5   1285.0      122
GR   1280.7      126   1280.8      320   1281.0      402   1282.0      647   1283.0      950
GR   1284.0     1250   1285.0     1520
```

```
BEGIN ARIZONA CANAL SPILLWAY # 1 (SRP) DOWNSTREAM NORTH BANK
BEGIN PROPOSED SPILLWAY (ADOT)

X1   8600.0      13     116    1680     500     500     500
CI
X3      10
GR   1285.2       0  1274.2    11.5  1274.2    81.5  1285.2    92.5  1285.0     116
GR   1280.8     126  1280.9     320  1281.0     402  1282.0     650  1283.0     896
GR   1284.0    1200  1285.0    1600  1285.5    1680

X1   8700.0      13     116    1570     100     100     100
CI
X3      10
GR   1285.8       0  1274.3    11.5  1274.3    81.5  1283.8    90.5  1283.6     116
GR   1281.4     120  1281.0   352.0  1281.5     470  1282.0     652  1283.0     872
GR   1284.0    1200  1285.0    1570  1285.5    1680

QT       1    2838
X1   8920.0      12      92    1700     220     220     220
CI
X3      10
GR   1286.0       0  1274.4    12.5  1274.4    82.5  1284.1    92.0  1281.2     117
GR   1280.9     250  1281.0     380  1282.0     580  1283.0     956  1284.0    1200
GR   1285.0    1400  1286.0    1700

QT       1    2560
X1   9140.0      12      92    1700     220     220     220
CI
X3      10
GR   1286.0       0  1274.5    12.5  1274.5    82.5  1284.1    92.0  1282.0     117
GR   1280.9     250  1281.0     380  1282.0     580  1283.0     956  1284.0    1200
GR   1285.0    1200  1286.0    1700

QT       1    2222
X1   9360.0      11      92    1490     220     220     220
CI
X3      10
GR   1287.0       0  1274.6    12.5  1274.6    82.5  1284.0    92.0  1283.6     116
GR   1281.5     400  1282.0     480  1283.0     760  1284.0    1030  1285.0    1250
GR   1286.0    1490

QT       1    1804

END PROPOSED SPILLWAY (ADOT)

BEGIN DRAINAGE WALL DOWNSTREAM
```

```
X1   9460.0      0      0      0    100    100    100
CI
X3      10                                           1285.0  1286.0

QT       1   1750
```

PROPOSED PIMA FREEWAY DOWNSTREAM

```
X1   9600.0     12   90.5    220    140    140    140
CI                             0.001
X3      10                 0  1286.0    290  1290.0  1285.0  1286.0
GR   1287.1      0 1274.6   12.5 1274.6   82.5 1282.5    90.5  1280.3    100
GR   1281.5    220 1282.0    340 1282.0    470 1283.0     690  1284.0   1070
GR   1285.0   1270 1286.0   1450
```

PROPOSED PIMA FREEWAY UPSTREAM

```
X1   9770.0      0      0      0    170    170    170
CI
X3      10                 0  1285.0    310  1290.0  1285.0  1286.0

X1   9800.0     14     90   1800     30     30     30
CI
X3      10                                           1285.0  1286.0
GR   1287.0      0 1274.7   12.5 1274.7   82.0 1282.5     90  1280.3    100
GR   1273.5    180 1273.5    280 1274.3    330 1275.1    450  1277.1   1000
GR   1279.0   1500 1280.0   1670 1281.0   1720 1286.0   1800

QT       1    479
X1   9885.0     12     90   1220     85     85     85
CI     200 1280.0  0.018  0.001  0.001            115
X3      10                                           1287.0  1285.0
GR   1287.0      0 1274.7   12.5 1274.7   82.0 1282.5     90  1280.3    125
GR   1281.5    200 1281.0    350 1282.0    400 1283.0    600  1284.0    750
GR   1285.0   1200 1286.0   1220

X1   9900.0     11     90   1220     39     39     39
CI     250    .01    .01    .01    .01            .01
X3      10                                           1285.0  1286.0
GR   1286.8      0 1274.8     12 1274.8     82 1282.5     90  1280.3    150
GR   1281.5    210 1282.0    400 1283.0    600 1284.0    750  1285.0   1060
GR   1286.0   1220

X1  10000.       0      0      0    100    100    100
X3      10                                           1285.0  1286.0
```

```
QT       1      439
NH       2    0.018       90    0.030     1550
X1   10600.       11       90     1550      600      600      600
X3      10                                                   1285.0   1286.9
GR  1287.0        0   1275.0       12   1275.0       82   1283.0       90   1283.2      100
GR  1282.0      260   1283.0      590   1284.0      840   1285.0     1120   1286.0     1380
GR  1286.9     1550

NH       2    0.018       90    0.030     1550
X1   11100.       12       90     1550      500      500      500
X3      10                                                   1285.0   1287.0
GR  1287.2        0   1275.2       12   1275.2       82   1283.2       90   1283.2      100
GR  1281.3      190   1282.0      230   1283.0      590   1284.0      850   1285.0     1190
GR  1286.0     1380   1287.0     1550

NH       2    0.018     90.8    0.030     1550
```

END ARIZONA CANAL SPILLWAY # 1 (SRP) UPSTREAM NORTH BANK

```
X1   11200.       12     90.8     1550      100      100      100
X3      10                                                   1285.5   1287.0
GR  1286.7        0   1275.2     11.5   1275.2     81.5   1285.5     90.8   1283.2      100
GR  1282.0      190   1282.0      230   1283.0      590   1284.0      850   1285.0     1190
GR  1286.0     1380   1287.0     1550

QT       1      272
NH       2    0.018     90.8    0.030     1500
X1   11400.       11     90.8     1500      200      200      200
X3      10
GR  1286.8        0   1275.3     11.5   1275.3     81.5   1285.6     90.8   1283.2      100
GR  1282.0      230   1283.0      590   1284.0      850   1285.0     1190   1286.0     1380
GR  1287.0     1500

NH       2    0.018     90.8    0.030     1500
X1   11900.       11     90.8     1500      500      500      500
X3      10
GR  1287.0        0   1275.5     11.5   1275.5     81.5   1285.8     90.8   1283.2      100
GR  1282.0      230   1283.0      590   1284.0      850   1285.0     1190   1286.0     1380
GR  1287.0     1500

QT       1      216
NH       2    0.018     90.8    0.030     1680
```

BEGIN ARIZONA CANAL SPILLWAY # 2 (SRP) DOWNSTREAM NORTH BANK

X1	12300.	12	90.8	1680	400	400	400			
X3	10									
GR	1287.1	0	1275.6	11.5	1275.6	81.5	1285.9	90.8	1283.5	100
GR	1282.3	230	1283.0	590	1284.0	850	1285.0	1190	1286.0	1380
GR	1287.0	1500	1288.0	1680						

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


*PROF 1



CCHV=     .100 CEHV=     .300
1490 NH CARD USED
*SECNO 5900.000

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA=      1284.00 ELREA=      1281.50

  5900.00    13.11  1279.61      .00  1279.61  1279.76      .15      .00      .00  1284.00
    5500.       0.    5500.       0.       0.    1777.       0.       0.       0.   1281.50
      .00      .00     3.09      .00     .000     .030     .000     .000  1266.50   237.34
  .000284       0.       0.       0.        0        0        0      .00   244.82   482.16


FLOW DISTRIBUTION FOR SECNO=   5900.00          CWSEL=   1279.61

STA=     237.     487.
  PER Q=    100.0
   AREA=   1777.2
    VEL=      3.1
  DEPTH=      7.3

1490 NH CARD USED
*SECNO 6010.000

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA=      1284.00 ELREA=      1285.00

  6010.00    12.72  1279.72      .00      .00  1279.79      .07      .03      .01  1284.00
    5500.       0.    5500.       0.       0.    2542.       0.       5.       1.   1285.00
      .01      .00     2.16      .00     .000     .030     .000     .000  1267.00   163.29
  .000187     110.     110.     110.        2        0        0      .00   444.65   607.94


FLOW DISTRIBUTION FOR SECNO=   6010.00          CWSEL=   1279.72

STA=     163.     703.
  PER Q=    100.0
   AREA=   2542.4
    VEL=      2.2
  DEPTH=      5.7
```

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

1490 NH CARD USED
*SECNO 6117.000

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 1280.50 ELREA= 1285.00

6117.00	10.33	1279.73	.00	.00	1279.83	.10	.03	.01	1280.50
5500.	0.	5500.	0.	0.	2180.	0.	11.	2.	1285.00
.03	.00	2.52	.00	.000	.030	.000	.000	1269.40	117.12
.000356	107.	107.	107.	1	0	0	.00	491.12	608.24

FLOW DISTRIBUTION FOR SECNO= 6117.00 CWSEL= 1279.73

STA= 117. 703.
PER Q= 100.0
AREA= 2179.9
VEL= 2.5
DEPTH= 4.4

1490 NH CARD USED
*SECNO 6337.000

3265 DIVIDED FLOW

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 1280.80 ELREA= 1285.00

6337.00	10.29	1279.79	.00	.00	1279.89	.10	.06	.00	1280.80
4697.	0.	4697.	0.	0.	1896.	0.	22.	4.	1285.00
.05	.00	2.48	.00	.000	.030	.000	.000	1269.50	107.46
.000225	220.	220.	220.	0	0	0	.00	307.08	422.93

FLOW DISTRIBUTION FOR SECNO= 6337.00 CWSEL= 1279.79

STA= 107. 424.
PER Q= 100.0
AREA= 1896.1
VEL= 2.5
DEPTH= 6.2

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


1490 NH CARD USED
*SECNO 6557.000

3302 WARNING:  CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE


3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA=      1280.70 ELREA=      1290.00

  6557.00    10.28  1279.88      .00       .00  1279.92      .04      .03      .01  1280.70
    4070.       0.    4070.       0.        0.    2564.       0.      33.       6.   1290.00
      .09      .00     1.59      .00      .000     .030     .000     .000  1269.60   115.45
  .000067     220.     220.     220.         2        0        0      .00   327.02   442.47


FLOW DISTRIBUTION FOR SECNO=   6557.00          CWSEL=   1279.88

STA=     115.     443.
  PER Q=    100.0
   AREA=   2563.7
    VEL=      1.6
  DEPTH=      7.8

1490 NH CARD USED
*SECNO 6777.000

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA=      1280.80 ELREA=      1290.00

  6777.00    10.21  1279.91      .00       .00  1279.93      .03      .01      .00  1280.80
    3575.       0.    3575.       0.        0.    2780.       0.      46.       7.   1290.00
      .14      .00     1.29      .00      .000     .030     .000     .000  1269.70   115.18
  .000040     220.     220.     220.         0        0        0      .00   330.09   445.26


FLOW DISTRIBUTION FOR SECNO=   6777.00          CWSEL=   1279.91

STA=     115.     451.
  PER Q=    100.0
   AREA=   2779.7
    VEL=      1.3
  DEPTH=      8.4
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SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS     BANK ELEV
Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA     LEFT/RIGHT
TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST


1490 NH CARD USED
*SECNO 6997.000

3302 WARNING:  CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE


3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA=      1281.00 ELREA=      1285.00

  6997.00    10.13  1279.93      .00       .00  1279.94      .01       .00       .00  1281.00
    3168.       0.    3168.       0.        0.    5195.       0.       66.       10.   1285.00
      .24      .00      .61      .00      .000     .030     .000     .000  1269.80   116.82
  .000009     220.     220.     220.         1        0        0      .00   625.53   742.35


FLOW DISTRIBUTION FOR SECNO=   6997.00          CWSEL=   1279.93

STA=     117.     781.
  PER Q=    100.0
   AREA=   5195.3
    VEL=       .6
  DEPTH=      8.3

CCHV=     .300 CEHV=     .500
*SECNO 7217.000
CHIMP CLSTA=     200.00 CELCH=    1270.20 BW=      80.00 STCHL=      89.60 STCHR=     938.00
EXCAVATION DATA
AEX=    -596.4SQ-FT     VEXR=        .0K*CU-YD     VEXT=        .0K*CU-YD


3302 WARNING:  CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE


3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA=      1281.00 ELREA=      1280.00

  7217.00     9.68  1279.88      .00       .00  1280.00      .11       .01       .05  1281.00
    2850.       0.    2850.       0.        0.    1056.       0.       82.       12.   1280.00
      .26      .00     2.70      .00      .000     .030     .000     .000  1270.20   140.63
  .000204     220.     220.     220.         2        0        0      .00   138.11   278.74


FLOW DISTRIBUTION FOR SECNO=   7217.00          CWSEL=   1279.88
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  SECNO    DEPTH    CWSEL    CRIWS    WSELK    EG       HV       HL       OLOSS   BANK ELEV
  Q        QLOB     QCH      QROB     ALOB     ACH      AROB     VOL      TWA   LEFT/RIGHT
  TIME     VLOB     VCH      VROB     XNL      XNCH     XNR      WTN      ELMIN      SSTA
  SLOPE    XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID     ENDST


STA=     141.     938.
  PER Q=    100.0
   AREA=   1056.2
    VEL=      2.7
  DEPTH=      7.6

*SECNO 7329.000
CHIMP CLSTA=     200.00 CELCH=    1270.20 BW=      80.00 STCHL=      88.60 STCHR=    1226.00
EXCAVATION DATA
AEX=    -266.5SQ-FT     VEXR=      -1.8K*CU-YD     VEXT=       -1.8K*CU-YD


3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA=      1284.00 ELREA=      1282.00

  7329.00     9.71  1279.91      .00      .00  1280.02      .11      .02      .00  1284.00
    2850.       0.    2850.       0.       0.    1059.       0.      85.      12.   1282.00
      .27      .00     2.69      .00     .000     .030     .000     .000  1270.20   140.60
  .000202     112.     112.     112.        1        0        0      .00   138.21   278.81


FLOW DISTRIBUTION FOR SECNO=   7329.00          CWSEL=   1279.91

STA=     141.    1226.
  PER Q=    100.0
   AREA=   1058.6
    VEL=      2.7
  DEPTH=      7.7

*SECNO 7431.000
CHIMP CLSTA=     200.00 CELCH=    1270.90 BW=      80.00 STCHL=     117.50 STCHR=    1220.00
EXCAVATION DATA
AEX=    -452.2SQ-FT     VEXR=      -1.4K*CU-YD     VEXT=       -3.1K*CU-YD


3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA=      1284.50 ELREA=      1282.00

  7431.00     9.01  1279.91      .00      .00  1280.07      .16      .02      .02  1284.50
    2850.       0.    2850.       0.       0.     883.       0.      87.      12.   1282.00
      .28      .00     3.23      .00     .000     .030     .000     .000  1270.90   141.98
  .000298     102.     102.     102.        2        0        0      .00   116.03   258.02
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SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

FLOW DISTRIBUTION FOR SECNO= 7431.00 CWSEL= 1279.91

STA= 142. 1220.
PER Q= 100.0
AREA= 882.9
VEL= 3.2
DEPTH= 7.6

CCHV= .300 CEHV= .500
‡SECNO 7455.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 1284.80 ELREA= 1284.00

7455.00	8.85	1279.85	.00	.00	1280.16	.31	.01	.07	1284.80
2850.	0.	2850.	0.	0.	643.	0.	88.	12.	1284.00
.28	.00	4.43	.00	.000	.030	.000	.000	1271.00	117.00
.001426	24.	24.	24.	2	0	0	.00	78.85	195.85

FLOW DISTRIBUTION FOR SECNO= 7455.00 CWSEL= 1279.85

STA= 117. 200.
PER Q= 100.0
AREA= 642.6
VEL= 4.4
DEPTH= 8.2

SPECIAL BRIDGE

SB	XK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS	ELCHU	ELCHD
	1.25	1.88	2.50	.00	77.00	5.00	576.00	.00	1271.20	1271.00

‡SECNO 7575.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

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

PRESSURE FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TRAPEZOID AREA	ELLC	ELTRD	WEIRLN
1280.56	1280.20	.05	0.	2850.	576.	562.	1279.00	1286.00	0.

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 1284.80 ELREA= 1284.00

7575.00	9.29	1280.29	.00	.00	1280.56	.27	.41	.00	1284.80
2850.	0.	2850.	0.	0.	677.	0.	89.	13.	1284.00
.29	.00	4.21	.00	.000	.013	.000	.000	1271.00	117.00
.000226	120.	120.	120.	2	0	0	.00	79.29	196.29

FLOW DISTRIBUTION FOR SECNO= 7575.00 CWSEL= 1280.29

STA= 117. 200.
PER Q= 100.0
AREA= 677.5
VEL= 4.2
DEPTH= 8.5

CCHV= .100 CEHV= .300
*SECNO 7695.000
CHIMP CLSTA= 220.00 CELCH= 1271.20 BW= 100.00 STCHL= 116.40 STCHR= 1285.00
EXCAVATION DATA
AEX= 1192.0SQ-FT VEXR= 1.6K$CU-YD VEXT= -1.5K$CU-YD

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 1284.80 ELREA= 1285.00

7695.00	9.29	1280.49	.00	.00	1280.59	.10	.01	.02	1284.80
2850.	0.	2850.	0.	0.	1102.	0.	92.	13.	1285.00
.30	.00	2.59	.00	.000	.018	.000	.000	1271.20	151.42
.000064	120.	120.	120.	2	0	0	.00	137.16	288.58

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


FLOW DISTRIBUTION FOR SECNO=   7695.00          CWSEL=   1280.49

STA=     151.    1285.
  PER Q=    100.0
   AREA=   1101.7
    VEL=      2.6
  DEPTH=      8.0

*SECNO 7772.000
CHIMP CLSTA=     250.00 CELCH=    1271.28 BW=     100.00 STCHL=     122.00 STCHR=    1285.00
EXCAVATION DATA
AEX=    1213.1SQ-FT     VEXR=       3.6K*CU-YD     VEXT=        2.1K*CU-YD


3265 DIVIDED FLOW


3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA=      1283.50 ELREA=      1285.00

  7772.00     9.21  1280.49      .00      .00  1280.60      .11      .01      .00  1283.50
    2850.       0.    2850.       0.       0.    1092.       0.      94.      13.   1285.00
      .31      .00     2.61      .00     .000     .018     .000     .000  1271.28   136.99
  .000065      80.      80.      80.        0        0        0      .00   137.22   318.45


FLOW DISTRIBUTION FOR SECNO=   7772.00          CWSEL=   1280.49

STA=     137.    1285.
  PER Q=    100.0
   AREA=   1092.4
    VEL=      2.6
  DEPTH=      8.0

*SECNO 8100.000
CHIMP CLSTA=     250.00 CELCH=    1271.63 BW=     100.00 STCHL=     122.00 STCHR=    1520.00
EXCAVATION DATA
AEX=    1080.3SQ-FT     VEXR=      14.9K*CU-YD     VEXT=       16.9K*CU-YD


3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA=      1285.00 ELREA=      1285.00
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  SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
  Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
  TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
  SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST


 8100.00      8.88  1280.51       .00       .00  1280.63       .12       .02       .00  1285.00
   2850.        0.    2850.        0.        0.    1047.        0.      103.       14.  1285.00
     .35       .00     2.72       .00      .000      .018      .000      .000  1271.63   182.22
 .000074      350.     350.      350.         0         0         0       .00   135.55   317.77


FLOW DISTRIBUTION FOR SECNO=   8100.00          CWSEL=   1280.51

STA=     182.    1520.
  PER Q=    100.0
   AREA=   1046.7
    VEL=      2.7
  DEPTH=      7.7

*SECNO 8600.000
CHIMP CLSTA=     250.00 CELCH=    1272.13 BW=     100.00 STCHL=     116.00 STCHR=    1680.00
EXCAVATION DATA
AEX=    1026.0SQ-FT     VEXR=      19.5K*CU-YD     VEXT=       36.4K*CU-YD


3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA=      1285.00 ELREA=      1285.50

 8600.00      8.41  1280.54       .00       .00  1280.67       .13       .04       .00  1285.00
   2850.        0.    2850.        0.        0.     983.        0.      114.       16.  1285.50
     .39       .00     2.90       .00      .000      .018      .000      .000  1272.13   183.16
 .000090      500.     500.      500.         0         0         0       .00   133.67   316.84


FLOW DISTRIBUTION FOR SECNO=   8600.00          CWSEL=   1280.54

STA=     183.    1680.
  PER Q=    100.0
   AREA=    983.5
    VEL=      2.9
  DEPTH=      7.4

*SECNO 8700.000
CHIMP CLSTA=     250.00 CELCH=    1272.23 BW=     100.00 STCHL=     116.00 STCHR=    1570.00
EXCAVATION DATA
AEX=    1054.7SQ-FT     VEXR=       3.9K*CU-YD     VEXT=       40.3K*CU-YD
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  SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
  Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
  TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
  SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST


3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA=      1283.60 ELREA=      1285.00

  8700.00     8.32  1280.55      .00       .00  1280.68      .13       .01       .00  1283.60
    2850.       0.    2850.       0.        0.     971.       0.      116.       16.  1285.00
      .40      .00     2.94      .00      .000     .018     .000      .000  1272.23   183.36
  .000093     100.     100.     100.         0        0        0       .00   133.28   316.64


FLOW DISTRIBUTION FOR SECNO=   8700.00          CWSEL=   1280.55

STA=     183.    1570.
  PER Q=    100.0
   AREA=    970.6
    VEL=      2.9
  DEPTH=      7.3

*SECNO 8920.000
CHIMP CLSTA=     250.00 CELCH=    1272.45 BW=     100.00 STCHL=      92.00 STCHR=    1700.00
EXCAVATION DATA
AEX=     994.6SQ-FT     VEXR=       8.3K*CU-YD     VEXT=       48.6K*CU-YD


3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA=      1284.10 ELREA=      1286.00

  8920.00     8.12  1280.57      .00       .00  1280.71      .14       .02       .00  1284.10
    2838.       0.    2838.       0.        0.     944.       0.      121.       17.  1286.00
      .42      .00     3.01      .00      .000     .018     .000      .000  1272.45   183.76
  .000101     220.     220.     220.         0        0        0       .00   132.48   316.24


FLOW DISTRIBUTION FOR SECNO=   8920.00          CWSEL=   1280.57

STA=     184.    1700.
  PER Q=    100.0
   AREA=    943.8
    VEL=      3.0
  DEPTH=      7.1

*SECNO 9140.000
CHIMP CLSTA=     250.00 CELCH=    1272.67 BW=     100.00 STCHL=      92.00 STCHR=    1700.00
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SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

EXCAVATION DATA
AEX= 978.8SQ-FT VEXR= 8.0K*CU-YD VEXT= 56.7K*CU-YD

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 1284.10 ELREA= 1286.00

9140.00	7.94	1280.61	.00	.00	1280.73	.12	.02	.00	1284.10
2560.	0.	2560.	0.	0.	920.	0.	126.	17.	1286.00
.45	.00	2.78	.00	.000	.018	.000	.000	1272.67	184.12
.000088	220.	220.	220.	2	0	0	.00	131.76	315.88

FLOW DISTRIBUTION FOR SECNO= 9140.00 CWSEL= 1280.61

STA= 184. 1700.
PER Q= 100.0
AREA= 920.0
VEL= 2.8
DEPTH= 7.0

*SECNO 9360.000
CHIMP CLSTA= 250.00 CELCH= 1272.89 BW= 100.00 STCHL= 92.00 STCHR= 1490.00
EXCAVATION DATA
AEX= 1161.4SQ-FT VEXR= 8.7K*CU-YD VEXT= 65.4K*CU-YD

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 1284.00 ELREA= 1286.00

9360.00	7.76	1280.65	.00	.00	1280.75	.10	.02	.00	1284.00
2222.	0.	2222.	0.	0.	897.	0.	131.	18.	1286.00
.47	.00	2.48	.00	.000	.018	.000	.000	1272.89	184.47
.000072	220.	220.	220.	2	0	0	.00	131.06	315.53

FLOW DISTRIBUTION FOR SECNO= 9360.00 CWSEL= 1280.65

STA= 184. 1490.
PER Q= 100.0
AREA= 897.0
VEL= 2.5
DEPTH= 6.8

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


*SECNO 9460.000
CHIMP CLSTA=     250.00 CELCH=    1272.99 BW=     100.00 STCHL=      92.00 STCHR=    1490.00
EXCAVATION DATA
AEX=    1147.5SQ-FT     VEXR=       4.3K*CU-YD     VEXT=       69.7K*CU-YD


3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA=      1285.00 ELREA=      1286.00

  9460.00     7.70  1280.69      .00      .00  1280.76      .06      .01      .00  1284.00
    1804.       0.    1804.       0.       0.     889.       0.     133.      18.   1286.00
      .48      .00     2.03      .00     .000     .018     .000     .000  1272.99   184.59
  .000049     100.     100.     100.        2        0        0      .00   130.82   315.41


FLOW DISTRIBUTION FOR SECNO=   9460.00          CWSEL=   1280.69

STA=     185.    1490.
  PER Q=    100.0
   AREA=    889.2
    VEL=      2.0
  DEPTH=      6.8

*SECNO 9600.000
CHIMP CLSTA=     250.00 CELCH=    1273.13 BW=     100.00 STCHL=      90.50 STCHR=     300.02
EXCAVATION DATA
AEX=     995.8SQ-FT     VEXR=       5.6K*CU-YD     VEXT=       75.2K*CU-YD


3265 DIVIDED FLOW


3470 ENCROACHMENT STATIONS=         .0     290.0  TYPE=      1  TARGET=      289.999
 ELENCL=   1286.00  ELENCR=   1290.00

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA=      1285.00 ELREA=      1286.00

  9600.00     7.57  1280.70      .00      .00  1280.77      .07      .01      .00  1282.50
    1750.       0.    1750.       0.       0.     823.       0.     135.      19.   1290.00
      .50      .00     2.13      .00     .000     .018     .000     .000  1273.13    98.26
  .000079     140.     140.     140.        0        0        0      .00   157.18   300.01
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   SECNO    DEPTH    CWSEL    CRIWS    WSELK    EG       HV       HL       OLOSS   BANK ELEV
   Q        QLOB     QCH      QROB     ALOB     ACH      AROB     VOL      TWA   LEFT/RIGHT
   TIME     VLOB     VCH      VROB     XNL      XNCH     XNR      WTN      ELMIN      SSTA
   SLOPE    XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID     ENDST


FLOW DISTRIBUTION FOR SECNO=   9600.00          CWSEL=   1280.70

STA=      98.     300.
  PER Q=    100.0
   AREA=    823.2
    VEL=      2.1
  DEPTH=      5.2

*SECNO 9770.000
CHIMP CLSTA=     250.00 CELCH=    1273.30 BW=     100.00 STCHL=      90.50 STCHR=     300.01
EXCAVATION DATA
AEX=     894.1SQ-FT     VEXR=       5.9K*CU-YD     VEXT=       81.2K*CU-YD


3265 DIVIDED FLOW


3470 ENCROACHMENT STATIONS=         .0     310.0  TYPE=      1  TARGET=      309.999
 ELENCL=   1285.00  ELENCR=   1290.00

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA=      1285.00 ELREA=      1286.00

  9770.00     7.41  1280.71      .00      .00  1280.78      .07      .01      .00  1282.50
    1750.       0.    1750.       0.       0.     805.       0.     139.      19.   1281.83
      .52      .00     2.17      .00     .000     .018     .000     .000  1273.30    98.23
  .000085     170.     170.     170.        0        0        0      .00   157.54   300.01


FLOW DISTRIBUTION FOR SECNO=   9770.00          CWSEL=   1280.71

STA=      98.     300.
  PER Q=    100.0
   AREA=    804.6
    VEL=      2.2
  DEPTH=      5.1

*SECNO 9800.000
CHIMP CLSTA=     250.00 CELCH=    1273.33 BW=     100.00 STCHL=      90.00 STCHR=    1800.00
EXCAVATION DATA
AEX=      20.3SQ-FT     VEXR=        .5K*CU-YD     VEXT=       81.7K*CU-YD
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SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS     BANK ELEV
Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA     LEFT/RIGHT
TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST


3302 WARNING:  CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE


3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA=      1285.00 ELREA=      1286.00

  9800.00     7.46  1280.79      .00      .00  1280.79      .00      .00      .01  1282.50
    1750.       0.    1750.       0.       0.    6321.       0.     141.      20.   1286.00
      .55      .00      .28      .00     .000     .018     .000     .000  1273.33    97.77
  .000002      30.      30.      30.        2        0        0      .00  1611.72  1709.50


FLOW DISTRIBUTION FOR SECNO=   9800.00          CWSEL=   1280.79

STA=      98.    1800.
  PER Q=    100.0
   AREA=   6320.6
    VEL=       .3
  DEPTH=      3.9

*SECNO 9885.000
CHIMP CLSTA=     200.00 CELCH=    1280.00 BW=     115.00 STCHL=      90.00 STCHR=    1220.00
EXCAVATION DATA
AEX=     140.5SQ-FT     VEXR=        .3K*CU-YD     VEXT=       81.9K*CU-YD

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

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA=      1287.00 ELREA=      1285.00

  9885.00      .79  1280.79  1280.79      .00  1281.15      .36      .00      .11  1282.50
     479.       0.     479.       0.       0.      99.       0.     147.      22.   1286.00
      .56      .00     4.82      .00     .000     .018     .000     .000  1280.00   117.15
  .005474      85.      85.      85.       20       24        0      .00   140.35   257.50


FLOW DISTRIBUTION FOR SECNO=   9885.00          CWSEL=   1280.79

STA=     117.    1220.
  PER Q=    100.0
   AREA=     99.4
    VEL=      4.8
  DEPTH=       .7
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  SECNO    DEPTH    CWSEL    CRIWS    WSELK    EG       HV       HL       OLOSS   BANK ELEV
  Q        QLOB     QCH      QROB     ALOB     ACH      AROB     VOL      TWA   LEFT/RIGHT
  TIME     VLOB     VCH      VROB     XNL      XNCH     XNR      WTN      ELMIN      SSTA
  SLOPE    XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID     ENDST


*SECNO 9900.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA=      1285.00 ELREA=      1286.00

  9900.00     1.58  1281.88  1281.88      .00  1282.13      .24      .22      .01  1282.50
     479.       0.     479.       0.       0.     121.       0.     147.      22.   1286.00
      .56      .00     3.96      .00     .000     .018     .000     .000  1280.30   106.83
  .006010      39.      39.      39.       20       14        0      .00   248.69   355.52


FLOW DISTRIBUTION FOR SECNO=   9900.00          CWSEL=   1281.88

STA=     107.    1220.
  PER Q=    100.0
   AREA=    121.0
    VEL=      4.0
  DEPTH=       .5

*SECNO  10000.000

3302 WARNING:  CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE


3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA=      1285.00 ELREA=      1286.00

 10000.00     1.98  1282.28      .00      .00  1282.34      .06      .20      .02  1282.50
     479.       0.     479.       0.       0.     242.       0.     148.      23.   1286.00
      .58      .00     1.98      .00     .000     .018     .000     .000  1280.30    96.18
  .000965     100.     100.     100.        2        0        0      .00   358.51   454.69


FLOW DISTRIBUTION FOR SECNO=  10000.00          CWSEL=   1282.28

STA=      96.    1220.
  PER Q=    100.0
   AREA=    242.4
    VEL=      2.0
  DEPTH=       .7
```

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


1490 NH CARD USED
#SECNO  10600.000

3302 WARNING:  CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE


3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA=      1285.00 ELREA=      1286.90

 10600.00     1.09  1283.09      .00      .00  1283.13      .03      .78      .00  1283.00
     439.       0.     439.       0.       0.     294.       0.     151.      29.  1286.90
      .69      .00     1.49      .00     .000     .030     .000     .000  1282.00    90.00
  .001918     600.     600.     600.        4        0        0      .00   514.35   614.35


FLOW DISTRIBUTION FOR SECNO=  10600.00          CWSEL=   1283.09

STA=       90.     840.
  PER Q=    100.0
   AREA=    293.9
    VEL=      1.5
  DEPTH=       .6

1490 NH CARD USED
#SECNO  11100.000

3302 WARNING:  CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE


3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA=      1285.00 ELREA=      1287.00

 11100.00     2.14  1283.44      .00      .00  1283.45      .01      .32      .00  1283.20
     439.       0.     439.       0.       0.     543.       0.     156.      35.  1287.00
      .86      .00      .81      .00     .000     .030     .000     .000  1281.30    90.00
  .000314     500.     500.     500.        3        0        0      .00   613.59   703.59


FLOW DISTRIBUTION FOR SECNO=  11100.00          CWSEL=   1283.44

STA=       90.     850.
  PER Q=    100.0
   AREA=    542.8
    VEL=       .8
  DEPTH=       .9
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  SECNO    DEPTH    CWSEL    CRIWS    WSELK    EG       HV       HL       OLOSS   BANK ELEV
  Q        QLOB     QCH      QROB     ALOB     ACH      AROB     VOL      TWA   LEFT/RIGHT
  TIME     VLOB     VCH      VROB     XNL      XNCH     XNR      WTN      ELMIN      SSTA
  SLOPE    XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID     ENDST


1490 NH CARD USED
*SECNO  11200.000

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA=      1285.50 ELREA=      1287.00

 11200.00     1.47  1283.47      .00      .00  1283.48      .01      .03      .00  1285.50
     439.       0.     439.       0.       0.     514.       0.     157.      37.   1287.00
      .89      .00      .85      .00     .000     .030     .000     .000  1282.00    98.93
  .000375     100.     100.     100.        2        0        0      .00   612.92   711.84


FLOW DISTRIBUTION FOR SECNO=  11200.00         CWSEL=   1283.47

STA=      99.     850.
  PER Q=    100.0
   AREA=    514.3
    VEL=       .9
  DEPTH=       .8

1490 NH CARD USED
*SECNO  11400.000

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA=      1285.60 ELREA=      1287.00

 11400.00     1.52  1283.52      .00      .00  1283.53      .00      .05      .00  1285.60
     272.       0.     272.       0.       0.     529.       0.     160.      39.   1287.00
    1.00      .00      .51      .00     .000     .030     .000     .000  1282.00    98.73
  .000136     200.     200.     200.        1        0        0      .00   629.36   728.09


FLOW DISTRIBUTION FOR SECNO=  11400.00         CWSEL=   1283.52

STA=      99.     850.
  PER Q=    100.0
   AREA=    529.1
    VEL=       .5
  DEPTH=       .8

1490 NH CARD USED
*SECNO  11900.000
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  SECNO    DEPTH    CWSEL    CRIWS    WSELK    EG       HV       HL       OLOSS   BANK ELEV
  Q        QLOB     QCH      QROB     ALOB     ACH      AROB     VOL      TWA   LEFT/RIGHT
  TIME     VLOB     VCH      VROB     XNL      XNCH     XNR      WTN      ELMIN      SSTA
  SLOPE    XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID     ENDST


3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA=     1285.80 ELREA=     1287.00

 11900.00     1.59  1283.59      .00      .00  1283.59      .00      .06      .00  1285.80
    272.       0.     272.       0.       0.     565.       0.     166.      47.   1287.00
    1.29      .00      .48      .00     .000     .030     .000     .000  1282.00    98.63
  .000113     500.     500.     500.        2        0        0      .00   643.93   742.57


FLOW DISTRIBUTION FOR SECNO=  11900.00          CWSEL=   1283.59

STA=      99.     850.
  PER Q=    100.0
   AREA=    564.6
    VEL=       .5
  DEPTH=       .9

1490 NH CARD USED
*SECNO  12300.000

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA=     1285.90 ELREA=     1288.00

 12300.00     1.33  1283.63      .00      .00  1283.63      .00      .04      .00  1285.90
    216.       0.     216.       0.       0.     504.       0.     171.      53.   1288.00
    1.55      .00      .43      .00     .000     .030     .000     .000  1282.30    99.48
  .000107     400.     400.     400.        0        0        0      .00   656.04   755.52


FLOW DISTRIBUTION FOR SECNO=  12300.00          CWSEL=   1283.63

STA=      99.     850.
  PER Q=    100.0
   AREA=    503.6
    VEL=       .4
  DEPTH=       .8
```

THIS RUN EXECUTED 12/ 3/90 10:51:36

****
HEC2 RELEASE DATED SEPT 88

****

NOTE- ASTERISK (*) AT LEFT OF CROSS-SECTION NUMBER INDICATES MESSAGE IN SUMMARY OF ERRORS LIST

ARIZONA CANAL INTERCEPTO

SUMMARY PRINTOUT TABLE 120

	SECNO	CWSEL	EG	VCH	10*KS	DEPTH	TOPWID	CLSTA	BW	STCHL	XLBEL	STCHR	RBEL
	5900.000	1279.61	1279.76	3.09	2.84	13.11	244.82	.00	.01	91.80	1284.00	486.80	1281.50
	6010.000	1279.72	1279.79	2.16	1.87	12.72	444.65	.00	.01	91.80	1284.00	703.00	1285.00
	6117.000	1279.73	1279.83	2.52	3.56	10.33	491.12	.00	.01	88.30	1280.50	703.00	1285.00
	6337.000	1279.79	1279.89	2.48	2.25	10.29	307.08	.00	.01	88.30	1280.80	457.00	1285.00
*	6557.000	1279.88	1279.92	1.59	.67	10.28	327.02	.00	.01	90.00	1280.70	484.00	1290.00
	6777.000	1279.91	1279.93	1.29	.40	10.21	330.09	.00	.01	88.30	1280.80	484.00	1290.00
*	6997.000	1279.93	1279.94	.61	.09	10.13	625.53	.00	.01	88.80	1281.00	829.00	1285.00
*	7217.000	1279.88	1280.00	2.70	2.04	9.68	138.11	200.00	80.00	89.60	1281.00	938.00	1280.00
	7329.000	1279.91	1280.02	2.69	2.02	9.71	138.21	200.00	80.00	88.60	1284.00	1226.00	1282.00
	7431.000	1279.91	1280.07	3.23	2.98	9.01	116.03	200.00	80.00	117.50	1284.50	1220.00	1282.00
*	7455.000	1279.85	1280.16	4.43	14.26	8.85	78.85	.00	.01	117.00	1284.80	200.00	1284.00
*	7575.000	1280.29	1280.56	4.21	2.26	9.29	79.29	.00	.01	117.00	1284.80	200.00	1284.00
*	7695.000	1280.49	1280.59	2.59	.64	9.29	137.16	220.00	100.00	116.40	1284.80	1285.00	1285.00
	7772.000	1280.49	1280.60	2.61	.65	9.21	137.22	250.00	100.00	122.00	1283.50	1285.00	1285.00
	8100.000	1280.51	1280.63	2.72	.74	8.88	135.55	250.00	100.00	122.00	1285.00	1520.00	1285.00
	8600.000	1280.54	1280.67	2.90	.90	8.41	133.67	250.00	100.00	116.00	1285.00	1680.00	1285.50
	8700.000	1280.55	1280.68	2.94	.93	8.32	133.28	250.00	100.00	116.00	1283.60	1570.00	1285.00

	SECNO	CWSEL	EG	VCH	10*KS	DEPTH	TOPWID	CLSTA	BW	STCHL	XLBEL	STCHR	RBEL
	8920.000	1280.57	1280.71	3.01	1.01	8.12	132.48	250.00	100.00	92.00	1284.10	1700.00	1286.00
	9140.000	1280.61	1280.73	2.78	.88	7.94	131.76	250.00	100.00	92.00	1284.10	1700.00	1286.00
	9360.000	1280.65	1280.75	2.48	.72	7.76	131.06	250.00	100.00	92.00	1284.00	1490.00	1286.00
	9460.000	1280.69	1280.76	2.03	.49	7.70	130.82	250.00	100.00	92.00	1284.00	1490.00	1286.00
	9600.000	1280.70	1280.77	2.13	.79	7.57	157.18	250.00	100.00	90.50	1282.50	300.02	1290.00
	9770.000	1280.71	1280.78	2.17	.85	7.41	157.54	250.00	100.00	90.50	1282.50	300.01	1281.83
*	9800.000	1280.79	1280.79	.28	.02	7.46	1611.72	250.00	100.00	90.00	1282.50	1800.00	1286.00
*	9885.000	1280.79	1281.15	4.82	54.74	.79	140.35	200.00	115.00	90.00	1282.50	1220.00	1286.00
*	9900.000	1281.88	1282.13	3.96	60.10	1.58	248.69	.00	.01	90.00	1282.50	1220.00	1286.00
*	10000.000	1282.28	1282.34	1.98	9.65	1.98	358.51	.00	.01	90.00	1282.50	1220.00	1286.00
*	10600.000	1283.09	1283.13	1.49	19.18	1.09	514.35	.00	.01	90.00	1283.00	1550.00	1286.90
*	11100.000	1283.44	1283.45	.81	3.14	2.14	613.59	.00	.01	90.00	1283.20	1550.00	1287.00
	11200.000	1283.47	1283.48	.85	3.75	1.47	612.92	.00	.01	90.80	1285.50	1550.00	1287.00
	11400.000	1283.52	1283.53	.51	1.36	1.52	629.36	.00	.01	90.80	1285.60	1500.00	1287.00
	11900.000	1283.59	1283.59	.48	1.13	1.59	643.93	.00	.01	90.80	1285.80	1500.00	1287.00
	12300.000	1283.63	1283.63	.43	1.07	1.33	656.04	.00	.01	90.80	1285.90	1680.00	1288.00

ARIZONA CANAL INTERCEPTO

SUMMARY PRINTOUT TABLE 150

	SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRIWS	EG	10*KS	VCH	AREA	.01K
	5900.000	.00	.00	.00	1266.50	5500.00	1279.61	.00	1279.76	2.84	3.09	1777.18	3264.32
	6010.000	110.00	.00	.00	1267.00	5500.00	1279.72	.00	1279.79	1.87	2.16	2542.37	4021.26
	6117.000	107.00	.00	.00	1269.40	5500.00	1279.73	.00	1279.83	3.56	2.52	2179.91	2914.26
	6337.000	220.00	.00	.00	1269.50	4697.00	1279.79	.00	1279.89	2.25	2.48	1896.07	3133.84
*	6557.000	220.00	.00	.00	1269.60	4070.00	1279.88	.00	1279.92	.67	1.59	2563.67	4967.96
	6777.000	220.00	.00	.00	1269.70	3575.00	1279.91	.00	1279.93	.40	1.29	2779.72	5667.43
*	6997.000	220.00	.00	.00	1269.80	3168.00	1279.93	.00	1279.94	.09	.61	5195.31	10536.66
*	7217.000	220.00	.00	.00	1270.20	2850.00	1279.88	.00	1280.00	2.04	2.70	1056.16	1997.37
	7329.000	112.00	.00	.00	1270.20	2850.00	1279.91	.00	1280.02	2.02	2.69	1058.58	2003.97
	7431.000	102.00	.00	.00	1270.90	2850.00	1279.91	.00	1280.07	2.98	3.23	882.95	1652.00
*	7455.000	24.00	.00	.00	1271.00	2850.00	1279.85	.00	1280.16	14.26	4.43	642.64	754.72
*	7575.000	120.00	1286.00	1279.00	1271.00	2850.00	1280.29	.00	1280.56	2.26	4.21	677.47	1894.22
*	7695.000	120.00	.00	.00	1271.20	2850.00	1280.49	.00	1280.59	.64	2.59	1101.75	3572.49
	7772.000	80.00	.00	.00	1271.28	2850.00	1280.49	.00	1280.60	.65	2.61	1092.36	3521.61
	8100.000	350.00	.00	.00	1271.63	2850.00	1280.51	.00	1280.63	.74	2.72	1046.72	3308.26
	8600.000	500.00	.00	.00	1272.13	2850.00	1280.54	.00	1280.67	.90	2.90	983.47	3012.12
	8700.000	100.00	.00	.00	1272.23	2850.00	1280.55	.00	1280.68	.93	2.94	970.57	2952.72
	8920.000	220.00	.00	.00	1272.45	2838.00	1280.57	.00	1280.71	1.01	3.01	943.80	2830.67
	9140.000	220.00	.00	.00	1272.67	2560.00	1280.61	.00	1280.73	.88	2.78	919.97	2723.28
	9360.000	220.00	.00	.00	1272.89	2222.00	1280.65	.00	1280.75	.72	2.48	897.00	2620.98
	9460.000	100.00	.00	.00	1272.99	1804.00	1280.69	.00	1280.76	.49	2.03	889.21	2586.59
	9600.000	140.00	.00	.00	1273.13	1750.00	1280.70	.00	1280.77	.79	2.13	823.16	1971.62
	9770.000	170.00	.00	.00	1273.30	1750.00	1280.71	.00	1280.78	.85	2.17	804.64	1897.03
*	9800.000	30.00	.00	.00	1273.33	1750.00	1280.79	.00	1280.79	.02	.28	6320.57	12971.97

	SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRIWS	EG	10*KS	VCH	AREA	.01K
*	9885.000	85.00	.00	.00	1280.00	479.00	1280.79	1280.79	1281.15	54.74	4.82	99.37	64.74
*	9900.000	39.00	.00	.00	1280.30	479.00	1281.88	1281.88	1282.13	60.10	3.96	121.00	61.79
*	10000.000	100.00	.00	.00	1280.30	479.00	1282.28	.00	1282.34	9.65	1.98	242.44	154.18
*	10600.000	600.00	.00	.00	1282.00	439.00	1283.09	.00	1283.13	19.18	1.49	293.92	100.25
*	11100.000	500.00	.00	.00	1281.30	439.00	1283.44	.00	1283.45	3.14	.81	542.76	247.73
	11200.000	100.00	.00	.00	1282.00	439.00	1283.47	.00	1283.48	3.75	.85	514.32	226.64
	11400.000	200.00	.00	.00	1282.00	272.00	1283.52	.00	1283.53	1.36	.51	529.14	233.46
	11900.000	500.00	.00	.00	1282.00	272.00	1283.59	.00	1283.59	1.13	.48	564.56	256.15
	12300.000	400.00	.00	.00	1282.30	216.00	1283.63	.00	1283.63	1.07	.43	503.64	209.15

ARIZONA CANAL INTERCEPTO

SUMMARY PRINTOUT TABLE 150

	SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
	5900.000	5500.00	1279.61	.00	.00	.00	244.82	.00
	6010.000	5500.00	1279.72	.00	.11	.00	444.65	110.00
	6117.000	5500.00	1279.73	.00	.01	.00	491.12	107.00
	6337.000	4697.00	1279.79	.00	.07	.00	307.08	220.00
*	6557.000	4070.00	1279.88	.00	.09	.00	327.02	220.00
	6777.000	3575.00	1279.91	.00	.03	.00	330.09	220.00
*	6997.000	3168.00	1279.93	.00	.03	.00	625.53	220.00
*	7217.000	2850.00	1279.88	.00	-.05	.00	138.11	220.00
	7329.000	2850.00	1279.91	.00	.02	.00	138.21	112.00
	7431.000	2850.00	1279.91	.00	.00	.00	116.03	102.00
*	7455.000	2850.00	1279.85	.00	-.06	.00	78.85	24.00
*	7575.000	2850.00	1280.29	.00	.44	.00	79.29	120.00
*	7695.000	2850.00	1280.49	.00	.20	.00	137.16	120.00
	7772.000	2850.00	1280.49	.00	.00	.00	137.22	80.00
	8100.000	2850.00	1280.51	.00	.02	.00	135.55	350.00
	8600.000	2850.00	1280.54	.00	.03	.00	133.67	500.00
	8700.000	2850.00	1280.55	.00	.01	.00	133.28	100.00
	8920.000	2838.00	1280.57	.00	.02	.00	132.48	220.00
	9140.000	2560.00	1280.61	.00	.04	.00	131.76	220.00
	9360.000	2222.00	1280.65	.00	.05	.00	131.06	220.00
	9460.000	1804.00	1280.69	.00	.04	.00	130.82	100.00
	9600.000	1750.00	1280.70	.00	.00	.00	157.18	140.00
	9770.000	1750.00	1280.71	.00	.01	.00	157.54	170.00
*	9800.000	1750.00	1280.79	.00	.08	.00	1611.72	30.00

	SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
*	9885.000	479.00	1280.79	.00	.00	.00	140.35	85.00
*	9900.000	479.00	1281.88	.00	1.09	.00	248.69	39.00
*	10000.000	479.00	1282.28	.00	.40	.00	358.51	100.00
*	10600.000	439.00	1283.09	.00	.81	.00	514.35	600.00
*	11100.000	439.00	1283.44	.00	.35	.00	613.59	500.00
	11200.000	439.00	1283.47	.00	.03	.00	612.92	100.00
	11400.000	272.00	1283.52	.00	.06	.00	629.36	200.00
	11900.000	272.00	1283.59	.00	.06	.00	643.93	500.00
	12300.000	216.00	1283.63	.00	.04	.00	656.04	400.00

SUMMARY OF ERRORS AND SPECIAL NOTES

```
WARNING SECNO=   6557.000  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=   6997.000  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=   7217.000  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=   7455.000  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=   7575.000  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=   7695.000  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=   9800.000  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

CAUTION SECNO=   9885.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=   9885.000  PROFILE=  1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=   9885.000  PROFILE=  1  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO=   9900.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=   9900.000  PROFILE=  1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=   9900.000  PROFILE=  1  20 TRIALS ATTEMPTED TO BALANCE WSEL

WARNING SECNO=  10000.000  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=  10600.000  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=  11100.000  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
```

```
****************************************************
*  WATER SURFACE PROFILES                          *
*  VERSION OF SEPTEMBER 1988                       *
*                                                  *
*                                                  *
*  RUN DATE    12/ 3/90   TIME   12:12:18          *
****************************************************
```

```
****************************************
*  U.S. ARMY CORPS OF ENGINEERS        *
*  THE HYDROLOGIC ENGINEERING CENTER   *
*  609 SECOND STREET, SUITE D          *
*  DAVIS, CALIFORNIA 95616             *
*  (916) 756-1104                      *
****************************************
```

```
X     X  XXXXXXX   XXXXX              XXXXX
X     X  X        X     X            X     X
X     X  X        X                        X
XXXXXXX  XXXX     X          XXXXX    XXXXX
X     X  X        X                  X
X     X  X        X     X            X
X     X  XXXXXXX   XXXXX             XXXXXXX
```

END OF BANNER

THIS RUN EXECUTED 12/ 3/90 12:12:18

```
*********************************************
 HEC2 RELEASE DATED SEPT 88

*********************************************
```

```
    * * * * * * * * * * * * * * * * * * * * *
    *  A M M E N D M E N T   N O. 2   *
    * * * * * * * * * * * * * * * * * * * * *

          *******************
          *  F I N A L  *
          *******************

  * * * * * * * * * * * * * * * * *
  *      A P P E N D I X   L      *
  * * * * * * * * * * * * * * * * *
```

THIS FILE IS NAMED: APNDXLR.IN

THIS MODEL IS FOR DESIGN EVALUATION

DATUM IS CORPS OF ENGINEERS (COE)

------- ARIZONA CANAL ONLY ---------

CHANNEL IMPROVEMENT (CI) CARDS ARE NOT USED FOR THIS MODEL

SECTION NO.	TOTAL FLOW (CFS)	ARIZONA CANAL FLOW (CFS)	NORTH BANK FLOW (CFS)	PIMA FREEWAY DRAINAGE CHANNEL OR OVERLAND FLOW (CFS)	WARD'S AREA I.D.
9885	8000	6250	1750	1271	546
9900	6729	6250	479	40	545E
10600	6689	6250	439	167	542
11400	6522	6250	272	56	2000
12300	6466	6250	216	---	

T1 ARIZONA CANAL AND SPILLWAYS

```
T2      CORPS OF ENGINEERS DATUM
T3      ADOT INTERCEPTOR CHANNEL CONCEPT

J1  ICHECK    INQ      NINV     IDIR     STRT     METRIC   HVINS    Q        WSEL     FQ

      0        2                                                          1280.5

J2  NPROF     IPLOT    PRFVS    XSECV    XSECH    FN       ALLDC    IBW      CHNIM    ITRACE

      1        0       -1                                                            15


J3  VARIABLE CODES FOR SUMMARY PRINTOUT

    120       150

NC    0.030     0.030     0.018       .1        .3
QT        1      2500


         SRP INDIAN BEND SIPHON RADIAL GATES ARIZONA CANAL DOWNSTREAM


X1    591.2        4        20    76.001         0         0         0
X3       10
GR   1281.4       20    1271.4    20.001    1271.4        76    1281.4    76.001


         SRP INDIAN BEND SIPHON RADIAL GATES ARIZONA CANAL UPSTREAM


X1    605.2                                     14        14        14
X3       10

X1    631.2        4         0        90        26        26        26
X3       10
GR   1281.4        0    1271.4        10    1271.4        80    1281.4        90

X1   1000.0        4         0        90       369       369       369
X3       10
GR   1281.4        0    1271.5        10    1271.5        80    1281.4        90

X1   1200.0        4         0        90       200       200       200
X3       10
GR   1281.4        0    1271.5        10    1271.5        80    1281.4        90

X1   1600.0        4         0        90       400       400       400
X3       10
GR   1281.7        0    1271.6        10    1271.6        80    1281.2        90


         HAYDEN BRIDGE DOWNSTREAM
```

```
NC       0        0        0       .3       .5
X1  1895.0        8      7.5     93.8      295      295      295
X2                                1283.3   1284.3
X3      10
GR  1283.2      7.5   1271.7       15   1271.7       50   1283.2   50.001   1283.2     51.3
GR  1271.7   51.301   1271.7     86.3   1283.3     93.8
```

HAYDEN BRIDGE UPSTREAM

```
X1  1985.0        0        0        0       90       90       90
X2                                1283.3   1284.3
X3      10

NC                                  .1       .3
X1  2500.0        4        0       91      515      515      515
X3      10
GR  1283.3        0   1271.9     11.4   1271.9     81.4   1281.6       91

X1  2900.0        4        0       89      400      400      400
X3      10
GR  1282.9        0   1272.0     10.9   1272.0       80   1281.0       89

X1  3155.1        4        0       91      255      255      255
X3      10
GR  1282.9        0   1272.1       10   1272.1       80   1281.6       91

X1  3365.0        4        0       92      210      210      210
X3      10
GR  1282.9        0   1272.2       11   1272.2       81   1281.6       92

X1  4000.0        4        0       91      635      635      635
X3      10
GR  1283.1        0   1272.4       11   1272.4       81   1282.7       91

X1  4350.0        4        0       93      350      350      350
X3      10
GR  1282.8        0   1272.5       10   1272.5       80   1283.3       93

X1  4800.0        4        0       95      450      450      450
X3      10
GR  1282.4        0   1272.7       10   1272.7       80   1282.2       95

X1  5300.0        4        0       91      500      500      500
X3      10
GR  1283.1        0   1272.9       11   1272.9       81   1283.1       91
```

```
X1   5850.0      4       0      91     550     550     550
X3      10
GR   1283.8      0  1273.1      11  1273.1      81  1283.9      91

X1   5900.0      5       0    91.8      50      50      50
X3      10
GR   1284.2      0  1273.2      11  1273.2      81  1284.0    91.8  1281.4   226.6

X1   6010.0      0       0       0     110     110     110
X3      10

        BEGIN COE SPILLWAY DOWNSTREAM

QT       1   2500
X1   6117.0      5       0    88.3     107     107     107
X3      10
GR   1284.2      0  1273.2      11  1273.2      81  1281.64    88.3  1279.5     111

QT       1   3303
X1   6337.0      5       0    88.3     220     220     220
X3      10
GR   1284.2      0  1273.3      11  1273.3      81  1281.74    88.3  1279.6     111

QT       1   3930
X1   6557.0      5       0    88.3     220     220     220
X3      10
GR   1284.5      0  1273.4      11  1273.4      81  1281.84    88.3  1279.7   115.4

QT       1   4425
X1   6777.0      5       0    88.3     220     220     220
X3      10
GR   1284.5      0  1273.5      11  1273.5      81  1281.94    88.3  1279.8   113.5

QT       1   4832
X1   6997.0      5       0    88.6     220     220     220
X3      10
GR   1285.0      0  1273.6    11.3  1273.6    81.3  1282.04    88.6  1279.9   113.5

        END COE SPILLWAY UPSTREAM

QT       1   5150
X1   7217.0      5       0    88.6     220     220     220
X3      10
GR   1285.0      0  1273.7    11.3  1273.7    81.3  1282.14    88.6  1280.0   113.8
```

```
X1   7329.0      5       0      92.3      112      112      112
X3      10
GR   1285.0      0    1273.7    11.3    1273.7    81.3    1284.0    92.3    1284.8    115

X1   7431.0     10       0      92.3      180      180      180
X3      10
GR   1285.0      0    1273.7    11.3    1273.7    81.3    1284.7    92.3    1284.5    117.5
GR   1285.0    127.5  1278.3   142.5    1278.3   152.5    1285.0    168     1285.2    210

        FOOT BRIDGE DOWNSTREAM

X1   7452.0     10       0      92.3      161      161      161
CI     156    1270.2   0.030     2        2                80
X2                           1283.9    1284.9
X3      10
GR   1285.0      0    1273.7    11.8    1273.7    81.3    1284.7    92.3    1284.5    117.5
GR   1285.0    127.5  1278.3   142.5    1278.3   152.5    1285.0    168     1285.0    196

        FOOT BRIDGE UPSTREAM

X1   7458.0      0       0       0        6        6        6
CI     .01      .01     .01     .01      .01               .01
X2                           1283.9    1284.9
X3      10

        PIMA ROAD DOWNSTREAM

NC   0.030    0.030   0.018     .3       .5
QT       1     5150
X1   7499.0     37       0      92       80       80       80
X2                           1284.0    1286.0
X3      10
GR   1285.0      0    1273.8    11.2    1273.8    30.5    1284.0    30.501  1284.0    31.8
GR   1273.8   31.801  1273.8    61.5    1284.0   61.501   1284.0    62.8    1273.8    62.801
GR   1273.8    81.3   1285.0    92      1279.0   117      1271.0   117.001  1271.0    129
GR   1279.0  129.001  1279.0   130      1271.0  130.001   1271.0    142     1279.0   142.001
GR   1279.0    143    1271.0  143.001   1271.0   155      1279.0   155.001  1279.0    156
GR   1271.0  156.001  1271.0   168      1279.0  168.001   1279.0    169     1271.0   169.001
GR   1271.0    181    1279.0  181.001   1279.0   182      1271.0   182.001  1271.0    194
GR   1279.0  194.001  1279.0   195

        PIMA ROAD UPSTREAM
```

```
X1   7532.0        0        0        0       33       33       33
X2                                1284.0   1286.0
X3      10

NC       0        0        0       .1       .3
QT       1     5150
X1   7680.0       11        0     92.2      148      148      148
CI     220   1271.2    0.018        2        2                100
X3      10
GR   1285.0        0   1273.9     11.2   1273.9     81.2   1285.0     92.2   1284.8    116.4
GR   1285.0    126.0   1280.5    137.0   1282.0    650.0   1283.0      750   1284.0      900
GR   1285.0     1285
```

SRP DEMOSSING BRIDGE DOWNSTREAM

```
NC       0        0        0       .3       .5
X1   7760.0       11        0       92       80       80       80
CI     250    0.001
X3      10
GR   1285.0        0   1274.0     11   1274.0       81   1285.0       92   1283.5      122
GR   1284.0      126   1280.5    137   1282.0      332   1283.0      937   1284.0     1000
GR   1285.0     1290
```

SRP DEMOSSING BRIDGE UPSTREAM

```
X1   7772.0       16        0     91.7       12       12       12
CI
X3      10
BT       4      0.3   1284.7   1284.7      3.6   1284.7   1281.7     88.7   1284.7   1281.7
BT    91.7   1284.7   1284.7
GR   1285.0        0   1284.7      0.3   1281.7      3.6   1274.0       11   1274.0       81
GR   1281.7     88.7   1284.7     91.7   1284.9     91.9   1283.5      122   1284.0      126
GR   1280.1      160   1280.3      290   1282.0      670   1283.0      800   1284.0      920
GR   1285.0     1200

NC       0        0        0       .1       .3
X1   8100.0       12        0     92.5      328      328      328
CI
X3      10
GR   1285.6        0   1274.1     11.5   1274.1     81.5   1285.0     92.5   1285.0      122
GR   1282.6      130   1281.3      220   1281.6      330   1282.0      450   1283.0      950
GR   1284.0     1250   1285.0     1520
```

BEGIN ARIZONA CANAL SPILLWAY # 1 NORTH BANK

```
X1   8600.0      13       0      92.5      500      500      500
CI
X3      10
GR   1285.7       0  1274.2      11.5   1274.2     81.5   1285.2     92.5   1285.0      116
GR   1280.8     126  1280.9       320   1281.0      402   1282.0      450   1283.0      896
GR   1284.0    1200  1285.0      1600   1285.5     1680

QT       1    5164
X1   8700.0      13       0       91      100      100      100
CI
X3      10
GR   1285.8       0  1274.3      11.5   1274.3     81.5   1283.8       91   1283.6      116
GR   1281.4     120  1281.0     352.0   1281.5      470   1282.0      652   1283.0      872
GR   1284.0    1200  1285.0      1540   1285.5     1680

QT       1    5465
X1   8920.0      12       0       91      220      220      220
X3      10
GR   1286.0       0  1274.4      11.5   1274.4     81.5   1283.9       91   1281.2      117
GR   1280.9     250  1281.0       380   1282.0      580   1283.0      956   1284.0     1200
GR   1285.0    1400  1286.0      1700

QT       1    5813
X1   9140.0      12       0       92      220      220      220
CI
X3      10
GR   1286.0       0  1274.5      12.5   1274.5     82.5   1284.0     92.0   1281.2      117
GR   1280.9     250  1281.0       380   1282.0      580   1283.0      956   1284.0     1200
GR   1285.0    1400  1286.0      1700

QT       1    6210
X1   9360.0      11       0       92      220      220      220
CI
X3      10
GR   1287.0       0  1274.6      12.5   1274.6     82.5   1284.0     92.0   1283.6      116
GR   1281.5     400  1282.0       480   1283.0      760   1284.0     1030   1285.0     1250
GR   1286.0    1490

QT       1    6250
X1   9460.0       0       0        0      100      100      100
CI
X3      10
```

PROPOSED PIMA FREEWAY BRIDGE DOWNSTREAM

```
X1   9600.0      12       0     90.5      140      140      140
CI
X3      10                     0   1286.0      290   1301.8   1287.1   1285.0
GR   1287.1       0   1274.6     12.5   1274.6     82.5   1282.5     90.5   1280.3      100
GR   1281.5     220   1281.0      350   1282.0      470   1283.0      690   1284.0     1070
GR   1285.0    1270   1286.0     1450
```

PROPOSED PIMA FREEWAY BRIDGE UPSTREAM

```
X1   9770.0       0       0        0      170      170      170
CI
X3      10                     0   1286.0      290   1301.8   1287.1   1285.0

X1   9900.0      11       0       90      130      130      130
CI    0.01    0.01    0.01     0.01     0.01             0.01
X3      10                                                 1286.8   1285.0
GR   1286.8       0   1274.8       12   1274.8       82   1282.5       90   1280.3      150
GR   1281.5     210   1282.0      400   1283.0      600   1284.0      750   1285.0     1050
GR   1286.0    1220

X1  10000.       0       0        0      100      100      100
X3      10                                                 1286.8   1285.0

NH       2   0.018      90    0.030     1550
X1  10600.      11       0       90      600      600      600
X3      10                                                 1287.0   1285.0
GR   1287.0       0   1275.0       12   1275.0       82   1283.0       90   1283.2      100
GR   1282.0     260   1283.0      590   1284.0      840   1285.0     1120   1286.0     1380
GR   1286.9    1550

NH       2   0.018      90    0.030     1550
X1  11100.      12       0       90      500      500      500
X3      10                                                 1287.2   1285.0
GR   1287.2       0   1275.2       12   1275.2       82   1283.2       90   1283.2      100
GR   1281.3     190   1282.0      230   1283.0      590   1284.0      850   1285.0     1190
GR   1286.0    1380   1287.0     1550
```

END ARIZONA SPILLWAY # 1 UPSTREAM NORTH BANK

```
NH       2   0.018    90.8    0.030     1550
X1  11200.      12       0     90.8      100      100      100
X3      10
GR   1286.7       0   1275.2     11.5   1275.2     81.5   1285.5     90.8   1283.2      100
GR   1281.3     190   1282.0      230   1283.0      590   1284.0      850   1285.0     1190
GR   1286.0    1380   1287.0     1550
```

```
NH      2     0.018     90.8     0.030     1500
X1  11400.       11        0      90.8      200      200      200
X3     10
GR  1286.8        0   1275.3      11.5   1275.3     81.5   1285.6     90.8   1283.2      100
GR  1282.0      230   1283.0       590   1284.0      850   1285.0     1190   1286.0     1380
GR  1287.0     1500

NH      2     0.018     90.8     0.030     1500
X1  11900.       11        0      90.8      500      500      500
X3     10
GR  1287.0        0   1275.5      11.5   1275.5     81.5   1285.8     90.8   1283.2      100
GR  1282.0      230   1283.0       590   1284.0      850   1285.0     1190   1286.0     1380
GR  1287.0     1500
```

BEGIN ARIZONA CANAL SPILLWAY # 2 DOWNSTREAM NORTH BANK

```
NH      2     0.018     90.8     0.030     1680
X1  12300.       12        0      90.8      400      400      400
X3     10
GR  1287.1        0   1275.6      11.5   1275.6     81.5   1285.9     90.8   1283.5      100
GR  1283.0      230   1283.5       590   1284.0      850   1285.0     1190   1286.0     1380
GR  1287.0     1500   1288.0      1680
```

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


*PROF 1



CCHV=     .100 CEHV=     .300
*SECNO 591.200

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA=      1281.40 ELREA=      1281.40

   591.20     9.10  1280.50      .00  1280.50  1280.87      .37      .00      .00  1281.40
    2500.       0.    2500.       0.       0.     510.       0.       0.       0.   1281.40
      .00      .00     4.91      .00     .000     .018     .000     .000  1271.40    20.00
  .000270       0.       0.       0.        0        0        0      .00    56.00    76.00


FLOW DISTRIBUTION FOR SECNO=    591.20          CWSEL=   1280.50

STA=      20.      76.
  PER Q=    100.0
   AREA=    509.6
    VEL=      4.9
  DEPTH=      9.1

*SECNO 605.200

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA=      1281.40 ELREA=      1281.40

   605.20     9.10  1280.50      .00      .00  1280.88      .37      .00      .00  1281.40
    2500.       0.    2500.       0.       0.     510.       0.       0.       0.   1281.40
      .00      .00     4.90      .00     .000     .018     .000     .000  1271.40    20.00
  .000270      14.      14.      14.        0        0        0      .00    56.00    76.00


FLOW DISTRIBUTION FOR SECNO=    605.20          CWSEL=   1280.50

STA=      20.      76.
  PER Q=    100.0
   AREA=    509.8
    VEL=      4.9
  DEPTH=      9.1
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```
SECNO    DEPTH    CWSEL    CRIWS    WSELK    EG       HV       HL       OLOSS    BANK ELEV
Q        QLOB     QCH      QROB     ALOB     ACH      AROB     VOL      TWA    LEFT/RIGHT
TIME     VLOB     VCH      VROB     XNL      XNCH     XNR      WTN      ELMIN      SSTA
SLOPE    XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID     ENDST


*SECNO 631.200

3302 WARNING:  CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE


3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA=      1281.40 ELREA=      1281.40

  631.20     9.32  1280.72      .00      .00  1280.90      .18      .00      .02  1281.40
   2500.       0.    2500.       0.       0.     740.       0.       1.       0.   1281.40
     .00      .00     3.38      .00     .000     .018     .000     .000  1271.40      .68
 .000111      26.      26.      26.        2        0        0      .00    88.65    89.32


FLOW DISTRIBUTION FOR SECNO=    631.20          CWSEL=   1280.72

STA=       1.      90.
  PER Q=    100.0
   AREA=    739.6
    VEL=      3.4
  DEPTH=      8.3

*SECNO 1000.000

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA=      1281.40 ELREA=      1281.40

 1000.00     9.26  1280.76      .00      .00  1280.94      .18      .04      .00  1281.40
   2500.       0.    2500.       0.       0.     735.       0.       7.       1.   1281.40
     .03      .00     3.40      .00     .000     .018     .000     .000  1271.50      .64
 .000113     369.     369.     369.        2        0        0      .00    88.71    89.36


FLOW DISTRIBUTION FOR SECNO=   1000.00          CWSEL=   1280.76

STA=       1.      90.
  PER Q=    100.0
   AREA=    735.1
    VEL=      3.4
  DEPTH=      8.3

*SECNO 1200.000
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```
  SECNO    DEPTH    CWSEL    CRIWS    WSELK    EG       HV       HL       OLOSS   BANK ELEV
  Q        QLOB     QCH      QROB     ALOB     ACH      AROB     VOL      TWA   LEFT/RIGHT
  TIME     VLOB     VCH      VROB     XNL      XNCH     XNR      WTN      ELMIN      SSTA
  SLOPE    XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID     ENDST


3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA=      1281.40 ELREA=      1281.40

 1200.00     9.29  1280.79      .00      .00  1280.97      .18      .02      .00  1281.40
   2500.       0.    2500.       0.       0.     737.       0.      10.       1.  1281.40
     .05      .00     3.39      .00     .000     .018     .000     .000  1271.50      .62
 .000112     200.     200.     200.        0        0        0      .00    88.76    89.38


FLOW DISTRIBUTION FOR SECNO=   1200.00          CWSEL=   1280.79

STA=       1.      90.
  PER Q=    100.0
   AREA=    737.1
    VEL=      3.4
  DEPTH=      8.3

*SECNO 1600.000

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA=      1281.70 ELREA=      1281.20

 1600.00     9.23  1280.83      .00      .00  1281.01      .18      .05      .00  1281.70
   2500.       0.    2500.       0.       0.     733.       0.      17.       2.  1281.20
     .08      .00     3.41      .00     .000     .018     .000     .000  1271.60      .86
 .000114     400.     400.     400.        0        0        0      .00    88.76    89.62


FLOW DISTRIBUTION FOR SECNO=   1600.00          CWSEL=   1280.83

STA=       1.      90.
  PER Q=    100.0
   AREA=    732.9
    VEL=      3.4
  DEPTH=      8.3

CCHV=     .300 CEHV=     .500
*SECNO 1895.000

3265 DIVIDED FLOW
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  SECNO    DEPTH    CWSEL    CRIWS    WSELK    EG       HV       HL       OLOSS   BANK ELEV
  Q        QLOB     QCH      QROB     ALOB     ACH      AROB     VOL      TWA   LEFT/RIGHT
  TIME     VLOB     VCH      VROB     XNL      XNCH     XNR      WTN      ELMIN      SSTA
  SLOPE    XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID     ENDST


3370 NORMAL BRIDGE, NRD=   0 MIN ELTRD=  1284.30 MAX ELLC=  1283.30


3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA=      1283.20 ELREA=      1283.30

  1895.00     9.16  1280.86      .00      .00  1281.06      .20      .04      .01  1283.20
    2500.       0.    2500.       0.       0.     696.       0.      22.       3.  1283.30
      .10      .00     3.59      .00     .000     .018     .000     .000  1271.70     9.02
  .000162     295.     295.     295.        0        0        0      .00    81.90    92.23


FLOW DISTRIBUTION FOR SECNO=   1895.00          CWSEL=   1280.86

STA=       9.      94.
  PER Q=    100.0
   AREA=    696.0
    VEL=      3.6
  DEPTH=      8.5

*SECNO 1985.000

3265 DIVIDED FLOW


3370 NORMAL BRIDGE, NRD=   0 MIN ELTRD=  1284.30 MAX ELLC=  1283.30


3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA=      1283.20 ELREA=      1283.30

  1985.00     9.18  1280.88      .00      .00  1281.08      .20      .01      .00  1283.20
    2500.       0.    2500.       0.       0.     697.       0.      23.       3.  1283.30
      .11      .00     3.59      .00     .000     .018     .000     .000  1271.70     9.02
  .000162      90.      90.      90.        0        0        0      .00    81.91    92.23


FLOW DISTRIBUTION FOR SECNO=   1985.00          CWSEL=   1280.88

STA=       9.      94.
  PER Q=    100.0
   AREA=    696.8
    VEL=      3.6
  DEPTH=      8.5
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST


CCHV=     .100 CEHV=     .300
*SECNO 2500.000

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA=      1283.30 ELREA=      1281.60

  2500.00     9.06  1280.96      .00      .00  1281.15      .19      .07      .00  1283.30
    2500.       0.    2500.       0.       0.     716.       0.      32.       4.   1281.60
      .15      .00     3.49      .00     .000     .018     .000     .000  1271.90     2.34
  .000122     515.     515.     515.        0        0        0      .00    88.03    90.37


FLOW DISTRIBUTION FOR SECNO=   2500.00          CWSEL=   1280.96

STA=       2.      91.
  PER Q=    100.0
   AREA=    715.8
    VEL=      3.5
  DEPTH=      8.1

*SECNO 2900.000
3280 CROSS SECTION   2900.00 EXTENDED       .01 FEET


3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA=      1282.90 ELREA=      1281.00

  2900.00     9.00  1281.00      .00      .00  1281.20      .20      .05      .00  1282.90
    2500.       0.    2500.       0.       0.     704.       0.      38.       5.   1281.00
      .18      .00     3.55      .00     .000     .018     .000     .000  1272.00     1.89
  .000127     400.     400.     400.        1        0        0      .00    87.11    89.00


FLOW DISTRIBUTION FOR SECNO=   2900.00          CWSEL=   1281.00

STA=       2.      89.
  PER Q=    100.0
   AREA=    703.8
    VEL=      3.6
  DEPTH=      8.1

*SECNO 3155.100
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  SECNO    DEPTH    CWSEL    CRIWS    WSELK    EG       HV       HL       OLOSS   BANK ELEV
  Q        QLOB     QCH      QROB     ALOB     ACH      AROB     VOL      TWA   LEFT/RIGHT
  TIME     VLOB     VCH      VROB     XNL      XNCH     XNR      WTN      ELMIN      SSTA
  SLOPE    XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID     ENDST


3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA=      1282.90 ELREA=      1281.60

  3155.10     8.94  1281.04      .00      .00  1281.23      .19      .03      .00  1282.90
    2500.       0.    2500.       0.       0.     709.       0.      42.       5.  1281.60
      .20      .00     3.53      .00     .000     .018     .000     .000  1272.10     1.73
  .000127     255.     255.     255.        0        0        0      .00    88.62    90.35


FLOW DISTRIBUTION FOR SECNO=   3155.10          CWSEL=   1281.04

STA=       2.      91.
  PER Q=    100.0
   AREA=    708.8
    VEL=      3.5
  DEPTH=      8.0

*SECNO 3365.000

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA=      1282.90 ELREA=      1281.60

  3365.00     8.87  1281.07      .00      .00  1281.26      .19      .03      .00  1282.90
    2500.       0.    2500.       0.       0.     707.       0.      46.       6.  1281.60
      .22      .00     3.54      .00     .000     .018     .000     .000  1272.20     1.88
  .000129     210.     210.     210.        0        0        0      .00    89.49    91.38


FLOW DISTRIBUTION FOR SECNO=   3365.00          CWSEL=   1281.07

STA=       2.      92.
  PER Q=    100.0
   AREA=    707.1
    VEL=      3.5
  DEPTH=      7.9

*SECNO 4000.000

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA=      1283.10 ELREA=      1282.70

  4000.00     8.74  1281.14      .00      .00  1281.35      .20      .08      .00  1283.10
    2500.       0.    2500.       0.       0.     689.       0.      56.       7.  1282.70
      .27      .00     3.63      .00     .000     .018     .000     .000  1272.40     2.01
  .000137     635.     635.     635.        0        0        0      .00    87.49    89.49
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  SECNO    DEPTH    CWSEL    CRIWS    WSELK    EG       HV       HL       OLOSS   BANK ELEV
  Q        QLOB     QCH      QROB     ALOB     ACH      AROB     VOL      TWA   LEFT/RIGHT
  TIME     VLOB     VCH      VROB     XNL      XNCH     XNR      WTN      ELMIN      SSTA
  SLOPE    XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID     ENDST


FLOW DISTRIBUTION FOR SECNO=   4000.00          CWSEL=   1281.14

STA=       2.      91.
  PER Q=    100.0
   AREA=    688.8
    VEL=      3.6
  DEPTH=      7.9

*SECNO 4350.000

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA=      1282.80 ELREA=      1283.30

  4350.00     8.69  1281.19      .00      .00  1281.40      .20      .05      .00  1282.80
    2500.       0.    2500.       0.       0.     690.       0.      61.       8.   1283.30
      .30      .00     3.62      .00     .000     .018     .000     .000  1272.50     1.56
  .000138     350.     350.     350.        0        0        0      .00    88.90    90.46


FLOW DISTRIBUTION FOR SECNO=   4350.00          CWSEL=   1281.19

STA=       2.      93.
  PER Q=    100.0
   AREA=    690.4
    VEL=      3.6
  DEPTH=      7.8

*SECNO 4800.000

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA=      1282.40 ELREA=      1282.20

  4800.00     8.56  1281.26      .00      .00  1281.46      .20      .06      .00  1282.40
    2500.       0.    2500.       0.       0.     694.       0.      68.       8.   1282.20
      .33      .00     3.60      .00     .000     .018     .000     .000  1272.70     1.18
  .000140     450.     450.     450.        0        0        0      .00    92.33    93.51


FLOW DISTRIBUTION FOR SECNO=   4800.00          CWSEL=   1281.26

STA=       1.      95.
  PER Q=    100.0
   AREA=    694.3
    VEL=      3.6
  DEPTH=      7.5
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SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS     BANK ELEV
Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA     LEFT/RIGHT
TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST


*SECNO 5300.000

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA=      1283.10 ELREA=      1283.10

  5300.00     8.42  1281.32      .00      .00  1281.54      .22      .07      .01  1283.10
    2500.       0.    2500.       0.       0.     663.       0.      76.      10.  1283.10
      .37      .00     3.77      .00     .000     .018     .000     .000  1272.90     1.91
  .000155     500.     500.     500.        0        0        0      .00    87.35    89.26


FLOW DISTRIBUTION FOR SECNO=   5300.00          CWSEL=   1281.32

STA=       2.      91.
  PER Q=    100.0
   AREA=    663.0
    VEL=      3.8
  DEPTH=      7.6

*SECNO 5850.000

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA=      1283.80 ELREA=      1283.90

  5850.00     8.30  1281.40      .00      .00  1281.63      .23      .09      .00  1283.80
    2500.       0.    2500.       0.       0.     648.       0.      85.      11.  1283.90
      .41      .00     3.86      .00     .000     .018     .000     .000  1273.10     2.47
  .000164     550.     550.     550.        0        0        0      .00    86.22    88.68


FLOW DISTRIBUTION FOR SECNO=   5850.00          CWSEL=   1281.40

STA=       2.      91.
  PER Q=    100.0
   AREA=    648.2
    VEL=      3.9
  DEPTH=      7.5

*SECNO 5900.000
3280 CROSS SECTION   5900.00 EXTENDED       .01 FEET
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  SECNO    DEPTH    CWSEL    CRIWS    WSELK    EG       HV       HL       OLOSS   BANK ELEV
  Q        QLOB     QCH      QROB     ALOB     ACH      AROB     VOL      TWA   LEFT/RIGHT
  TIME     VLOB     VCH      VROB     XNL      XNCH     XNR      WTN      ELMIN      SSTA
  SLOPE    XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID     ENDST


3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA=      1284.20 ELREA=      1284.00

  5900.00     8.20  1281.40      .00      .00  1281.64      .24      .01      .00  1284.20
    2500.       0.    2500.       0.       0.     642.       0.      85.      11.   1284.00
      .41      .00     3.90      .00     .000     .018     .000     .000  1273.20     2.79
  .000170      50.      50.      50.        0        0        0      .00    86.41    89.21


FLOW DISTRIBUTION FOR SECNO=   5900.00          CWSEL=   1281.40

STA=       3.      92.
  PER Q=    100.0
   AREA=    641.8
    VEL=      3.9
  DEPTH=      7.4

*SECNO 6010.000
3280 CROSS SECTION   6010.00 EXTENDED       .02 FEET


3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA=      1284.20 ELREA=      1284.00

  6010.00     8.22  1281.42      .00      .00  1281.66      .23      .02      .00  1284.20
    2500.       0.    2500.       0.       0.     643.       0.      87.      11.   1284.00
      .42      .00     3.89      .00     .000     .018     .000     .000  1273.20     2.78
  .000169     110.     110.     110.        0        0        0      .00    86.44    89.22


FLOW DISTRIBUTION FOR SECNO=   6010.00          CWSEL=   1281.42

STA=       3.      92.
  PER Q=    100.0
   AREA=    643.1
    VEL=      3.9
  DEPTH=      7.4

*SECNO 6117.000
3280 CROSS SECTION   6117.00 EXTENDED      1.94 FEET
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SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS     BANK ELEV
Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA     LEFT/RIGHT
TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST


3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA=      1284.20 ELREA=      1281.64

  6117.00     8.24  1281.44      .00       .00  1281.68       .24       .02       .00  1284.20
    2500.       0.    2500.       0.        0.     640.        0.       88.       11.  1281.64
      .43      .00     3.90      .00      .000     .018      .000      .000  1273.20     2.76
  .000170     107.     107.     107.         0        0         0       .00    85.37    88.13


FLOW DISTRIBUTION FOR SECNO=   6117.00          CWSEL=   1281.44

STA=        3.      88.
  PER Q=    100.0
   AREA=    640.2
    VEL=      3.9
  DEPTH=      7.5

*SECNO 6337.000
3280 CROSS SECTION   6337.00 EXTENDED      1.75 FEET


3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA=      1284.20 ELREA=      1281.74

  6337.00     8.05  1281.35      .00       .00  1281.79       .43       .05       .06  1284.20
    3303.       0.    3303.       0.        0.     625.        0.       92.       12.  1281.74
      .44      .00     5.29      .00      .000     .018      .000      .000  1273.30     2.87
  .000320     220.     220.     220.         2        0         0       .00    85.09    87.97


FLOW DISTRIBUTION FOR SECNO=   6337.00          CWSEL=   1281.35

STA=        3.      88.
  PER Q=    100.0
   AREA=    624.5
    VEL=      5.3
  DEPTH=      7.3

*SECNO 6557.000
3280 CROSS SECTION   6557.00 EXTENDED      1.59 FEET
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST


3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA=      1284.50 ELREA=      1281.84

  6557.00     7.89  1281.29       .00       .00  1281.94       .64       .09       .06  1284.50
    3930.       0.    3930.        0.        0.     610.        0.       95.       12.   1281.84
      .45      .00     6.44       .00      .000     .018      .000      .000  1273.40      3.18
  .000485     220.     220.      220.         2        0         0       .00    84.65     87.83


FLOW DISTRIBUTION FOR SECNO=   6557.00          CWSEL=   1281.29

STA=       3.      88.
  PER Q=    100.0
   AREA=    610.4
    VEL=      6.4
  DEPTH=      7.2

$SECNO 6777.000
3280 CROSS SECTION   6777.00 EXTENDED      1.48 FEET


3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA=      1284.50 ELREA=      1281.94

  6777.00     7.78  1281.28       .00       .00  1282.12       .84       .12       .06  1284.50
    4425.       0.    4425.        0.        0.     601.        0.       98.       12.   1281.94
      .46      .00     7.36       .00      .000     .018      .000      .000  1273.50      3.22
  .000645     220.     220.      220.         2        0         0       .00    84.51     87.73


FLOW DISTRIBUTION FOR SECNO=   6777.00          CWSEL=   1281.28

STA=       3.      88.
  PER Q=    100.0
   AREA=    601.0
    VEL=      7.4
  DEPTH=      7.1

$SECNO 6997.000
3280 CROSS SECTION   6997.00 EXTENDED      1.41 FEET
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SECNO    DEPTH    CWSEL    CRIWS    WSELK    EG       HV       HL       OLOSS    BANK ELEV
Q        QLOB     QCH      QROB     ALOB     ACH      AROB     VOL      TWA    LEFT/RIGHT
TIME     VLOB     VCH      VROB     XNL      XNCH     XNR      WTN      ELMIN      SSTA
SLOPE    XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID     ENDST


3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA=      1285.00 ELREA=      1282.04

  6997.00     7.71  1281.31      .00      .00  1282.33     1.02      .16      .05  1285.00
    4832.       0.    4832.       0.       0.     595.       0.     101.      13.   1282.04
      .46      .00     8.12      .00     .000     .018     .000     .000  1273.60     3.66
  .000793     220.     220.     220.        2        0        0      .00    84.31    87.97


FLOW DISTRIBUTION FOR SECNO=   6997.00          CWSEL=   1281.31

STA=       4.      89.
  PER Q=    100.0
   AREA=    594.8
    VEL=      8.1
  DEPTH=      7.1

*SECNO 7217.000
3280 CROSS SECTION   7217.00 EXTENDED      1.40 FEET


3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA=      1285.00 ELREA=      1282.14

  7217.00     7.70  1281.40      .00      .00  1282.56     1.17      .19      .04  1285.00
    5150.       0.    5150.       0.       0.     594.       0.     104.      13.   1282.14
      .47      .00     8.67      .00     .000     .018     .000     .000  1273.70     3.60
  .000905     220.     220.     220.        2        0        0      .00    84.35    87.96


FLOW DISTRIBUTION FOR SECNO=   7217.00          CWSEL=   1281.40

STA=       4.      89.
  PER Q=    100.0
   AREA=    593.9
    VEL=      8.7
  DEPTH=      7.0

*SECNO 7329.000

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA=      1285.00 ELREA=      1284.00
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  SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
  Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
  TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
  SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

 7329.00      7.88  1281.58       .00       .00  1282.67      1.09       .10       .01   1285.00
   5150.        0.    5150.        0.        0.     616.        0.      105.       13.   1284.00
     .47       .00     8.36       .00      .000     .018      .000      .000   1273.70      3.42
 .000820      112.     112.      112.         2        0         0       .00     86.30     89.72


FLOW DISTRIBUTION FOR SECNO=   7329.00          CWSEL=   1281.58

STA=        3.       92.
  PER Q=    100.0
   AREA=    616.1
    VEL=      8.4
  DEPTH=      7.1

*SECNO 7431.000

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA=      1285.00 ELREA=      1284.70

 7431.00      8.08  1281.78       .00       .00  1282.81      1.03       .14       .01   1285.00
   5150.        0.    5150.        0.        0.     631.        0.      108.       14.   1284.70
     .48       .00     8.16       .00      .000     .018      .000      .000   1273.70      3.22
 .000760      180.     180.      180.         2        0         0       .00     86.16     89.38


FLOW DISTRIBUTION FOR SECNO=   7431.00          CWSEL=   1281.78

STA=        3.       92.
  PER Q=    100.0
   AREA=    630.9
    VEL=      8.2
  DEPTH=      7.3

*SECNO 7452.000

3370 NORMAL BRIDGE, NRD=   0 MIN ELTRD=  1284.90 MAX ELLC=  1283.90


3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA=      1285.00 ELREA=      1284.70

 7452.00      8.24  1281.94       .00       .00  1282.94      1.00       .12       .00   1285.00
   5150.        0.    5150.        0.        0.     642.        0.      110.       14.   1284.70
     .49       .00     8.02       .00      .000     .018      .000      .000   1273.70      3.20
 .000719      161.     161.      161.         2        0         0       .00     86.34     89.54
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  SECNO    DEPTH    CWSEL    CRIWS    WSELK    EG       HV       HL       OLOSS   BANK ELEV
  Q        QLOB     QCH      QROB     ALOB     ACH      AROB     VOL      TWA   LEFT/RIGHT
  TIME     VLOB     VCH      VROB     XNL      XNCH     XNR      WTN      ELMIN      SSTA
  SLOPE    XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID     ENDST


FLOW DISTRIBUTION FOR SECNO=   7452.00          CWSEL=   1281.94

STA=       3.      92.
  PER Q=    100.0
   AREA=    641.9
    VEL=      8.0
  DEPTH=      7.4

*SECNO 7458.000

3370 NORMAL BRIDGE, NRD=   0 MIN ELTRD=  1284.90 MAX ELLC=  1283.90


3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA=      1285.00 ELREA=      1284.70

  7458.00     8.24  1281.94      .00      .00  1282.94     1.00      .00      .00  1285.00
    5150.       0.    5150.       0.       0.     642.       0.     110.      14.   1284.70
      .49      .00     8.02      .00     .000     .018     .000     .000  1273.70     3.19
  .000718       6.       6.       6.        0        0        0      .00    86.35    89.54


FLOW DISTRIBUTION FOR SECNO=   7458.00          CWSEL=   1281.94

STA=       3.      92.
  PER Q=    100.0
   AREA=    642.2
    VEL=      8.0
  DEPTH=      7.4

CCHV=     .300 CEHV=     .500
*SECNO 7499.000

3265 DIVIDED FLOW

3280 CROSS SECTION   7499.00 EXTENDED      2.97 FEET


3370 NORMAL BRIDGE, NRD=   0 MIN ELTRD=  1286.00 MAX ELLC=  1284.00
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  SECNO    DEPTH    CWSEL    CRIWS    WSELK    EG       HV       HL       OLOSS   BANK ELEV
  Q        QLOB     QCH      QROB     ALOB     ACH      AROB     VOL      TWA   LEFT/RIGHT
  TIME     VLOB     VCH      VROB     XNL      XNCH     XNR      WTN      ELMIN      SSTA
  SLOPE    XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID     ENDST


3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA=      1285.00 ELREA=      1285.00

  7499.00     8.17  1281.97      .00      .00  1283.06     1.08      .07      .04  1285.00
    5150.       0.    5150.       0.       0.     617.       0.     112.      14.  1285.00
      .49      .00     8.35      .00     .000     .018     .000     .000  1273.80     3.03
  .001191      80.      80.      80.        2        0        0      .00    83.48    89.11


FLOW DISTRIBUTION FOR SECNO=   7499.00          CWSEL=   1281.97

STA=       3.      92.
  PER Q=    100.0
   AREA=    617.1
    VEL=      8.3
  DEPTH=      7.4

*SECNO 7532.000

3265 DIVIDED FLOW

3280 CROSS SECTION   7532.00 EXTENDED      3.04 FEET


3370 NORMAL BRIDGE, NRD=   0 MIN ELTRD=  1286.00 MAX ELLC=  1284.00


3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA=      1285.00 ELREA=      1285.00

  7532.00     8.24  1282.04      .00      .00  1283.10     1.06      .04      .01  1285.00
    5150.       0.    5150.       0.       0.     622.       0.     112.      14.  1285.00
      .49      .00     8.28      .00     .000     .018     .000     .000  1273.80     2.96
  .001163      33.      33.      33.        2        0        0      .00    83.61    89.17


FLOW DISTRIBUTION FOR SECNO=   7532.00          CWSEL=   1282.04

STA=       3.      92.
  PER Q=    100.0
   AREA=    622.3
    VEL=      8.3
  DEPTH=      7.4
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  SECNO    DEPTH    CWSEL    CRIWS    WSELK    EG       HV       HL       OLOSS   BANK ELEV
  Q        QLOB     QCH      QROB     ALOB     ACH      AROB     VOL      TWA   LEFT/RIGHT
  TIME     VLOB     VCH      VROB     XNL      XNCH     XNR      WTN      ELMIN      SSTA
  SLOPE    XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID     ENDST


CCHV=     .100 CEHV=     .300
*SECNO 7680.000

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA=      1285.00 ELREA=      1285.00

  7680.00     8.39  1282.29      .00      .00  1283.24      .95      .13      .01  1285.00
    5150.       0.    5150.       0.       0.     657.       0.     114.      15.  1285.00
      .49      .00     7.83      .00     .000     .018     .000     .000  1273.90     2.74
  .000671     148.     148.     148.        2        0        0      .00    86.77    89.51


FLOW DISTRIBUTION FOR SECNO=   7680.00          CWSEL=   1282.29

STA=       3.      92.
  PER Q=    100.0
   AREA=    657.4
    VEL=      7.8
  DEPTH=      7.6

CCHV=     .300 CEHV=     .500
*SECNO 7760.000

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA=      1285.00 ELREA=      1285.00

  7760.00     8.33  1282.33      .00      .00  1283.30      .97      .05      .01  1285.00
    5150.       0.    5150.       0.       0.     653.       0.     115.      15.  1285.00
      .50      .00     7.89      .00     .000     .018     .000     .000  1274.00     2.67
  .000685      80.      80.      80.        2        0        0      .00    86.67    89.33


FLOW DISTRIBUTION FOR SECNO=   7760.00          CWSEL=   1282.33

STA=       3.      92.
  PER Q=    100.0
   AREA=    652.8
    VEL=      7.9
  DEPTH=      7.5

*SECNO 7772.000
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  SECNO    DEPTH    CWSEL    CRIWS    WSELK    EG       HV       HL       OLOSS   BANK ELEV
  Q        QLOB     QCH      QROB     ALOB     ACH      AROB     VOL      TWA   LEFT/RIGHT
  TIME     VLOB     VCH      VROB     XNL      XNCH     XNR      WTN      ELMIN      SSTA
  SLOPE    XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID     ENDST


3302 WARNING:  CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE


3370 NORMAL BRIDGE, NRD=   4 MIN ELTRD=  1284.70 MAX ELLC=  1284.70


3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA=      1285.00 ELREA=      1284.70

  7772.00     8.25  1282.25      .00      .00  1283.41     1.16      .01      .09  1285.00
   5150.       0.    5150.       0.       0.     597.       0.     116.      15.   1284.70
     .50      .00     8.62      .00     .000     .018     .000     .000  1274.00     2.99
 .002151      12.      12.      12.        2        0        0   -47.39    86.26    89.25


FLOW DISTRIBUTION FOR SECNO=   7772.00          CWSEL=   1282.25

STA=       3.      92.
  PER Q=    100.0
   AREA=    597.1
    VEL=      8.6
  DEPTH=      6.9

CCHV=     .100 CEHV=     .300
*SECNO 8100.000

3302 WARNING:  CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE


3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA=      1285.60 ELREA=      1285.00

  8100.00     8.81  1282.91      .00      .00  1283.76      .85      .33      .03  1285.60
   5150.       0.    5150.       0.       0.     695.       0.     120.      16.   1285.00
     .51      .00     7.41      .00     .000     .018     .000     .000  1274.10     2.69
 .000568     328.     328.     328.        2        0        0      .00    87.70    90.39


FLOW DISTRIBUTION FOR SECNO=   8100.00          CWSEL=   1282.91

STA=       3.      93.
  PER Q=    100.0
   AREA=    694.8
    VEL=      7.4
  DEPTH=      7.9
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  SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
  Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
  TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
  SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST


#SECNO 8600.000

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA=      1285.70 ELREA=      1285.20

  8600.00     9.03  1283.23      .00       .00  1284.04      .81       .27       .00  1285.70
    5150.       0.    5150.       0.        0.     714.       0.      129.       17.  1285.20
      .53      .00     7.21      .00      .000     .018     .000      .000  1274.20     2.47
  .000522     500.     500.     500.         2        0        0       .00    88.07    90.53


FLOW DISTRIBUTION FOR SECNO=   8600.00          CWSEL=   1283.23

STA=       2.      93.
  PER Q=    100.0
   AREA=    714.0
    VEL=      7.2
  DEPTH=      8.1

#SECNO 8700.000

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA=      1285.80 ELREA=      1283.80

  8700.00     8.97  1283.27      .00       .00  1284.10      .82       .05       .00  1285.80
    5164.       0.    5164.       0.        0.     709.       0.      130.       17.  1283.80
      .53      .00     7.28      .00      .000     .018     .000      .000  1274.30     2.52
  .000536     100.     100.     100.         1        0        0       .00    87.96    90.48


FLOW DISTRIBUTION FOR SECNO=   8700.00          CWSEL=   1283.27

STA=       3.      91.
  PER Q=    100.0
   AREA=    709.3
    VEL=      7.3
  DEPTH=      8.1

#SECNO 8920.000

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA=      1286.00 ELREA=      1283.90

  8920.00     8.92  1283.32      .00       .00  1284.26      .94       .13       .03  1286.00
    5465.       0.    5465.       0.        0.     704.       0.      134.       17.  1283.90
      .54      .00     7.77      .00      .000     .018     .000      .000  1274.40     2.66
  .000614     220.     220.     220.         2        0        0       .00    87.77    90.42
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  SECNO    DEPTH    CWSEL    CRIWS    WSELK    EG       HV       HL       OLOSS   BANK ELEV
  Q        QLOB     QCH      QROB     ALOB     ACH      AROB     VOL      TWA   LEFT/RIGHT
  TIME     VLOB     VCH      VROB     XNL      XNCH     XNR      WTN      ELMIN      SSTA
  SLOPE    XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID     ENDST


FLOW DISTRIBUTION FOR SECNO=   8920.00          CWSEL=   1283.32

STA=       3.      91.
  PER Q=    100.0
   AREA=    703.7
    VEL=      7.8
  DEPTH=      8.0

*SECNO 9140.000

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA=      1286.00 ELREA=      1284.00

  9140.00     8.88  1283.38      .00      .00  1284.44     1.06      .14      .04  1286.00
    5813.       0.    5813.       0.       0.     704.       0.     137.      18.   1284.00
      .55      .00     8.26      .00     .000     .018     .000     .000  1274.50     2.85
  .000699     220.     220.     220.        2        0        0      .00    88.53    91.38


FLOW DISTRIBUTION FOR SECNO=   9140.00          CWSEL=   1283.38

STA=       3.      92.
  PER Q=    100.0
   AREA=    703.9
    VEL=      8.3
  DEPTH=      8.0

*SECNO 9360.000

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA=      1287.00 ELREA=      1284.00

  9360.00     8.82  1283.42      .00      .00  1284.66     1.24      .17      .05  1287.00
    6210.       0.    6210.       0.       0.     696.       0.     141.      18.   1284.00
      .56      .00     8.92      .00     .000     .018     .000     .000  1274.60     3.61
  .000821     220.     220.     220.        2        0        0      .00    87.81    91.42


FLOW DISTRIBUTION FOR SECNO=   9360.00          CWSEL=   1283.42

STA=       4.      92.
  PER Q=    100.0
   AREA=    696.2
    VEL=      8.9
  DEPTH=      7.9
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  SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
  Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
  TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
  SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST


*SECNO 9460.000

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA=      1287.00 ELREA=      1284.00

  9460.00     8.92  1283.52      .00       .00  1284.74     1.23      .08       .00  1287.00
    6250.       0.    6250.       0.        0.     704.       0.     142.       18.  1284.00
      .56      .00     8.88      .00      .000     .018     .000     .000  1274.60     3.52
  .000806     100.     100.     100.         1        0        0      .00    87.98    91.50


FLOW DISTRIBUTION FOR SECNO=   9460.00          CWSEL=   1283.52

STA=       4.      92.
  PER Q=    100.0
   AREA=    703.5
    VEL=      8.9
  DEPTH=      8.0

*SECNO 9600.000

3470 ENCROACHMENT STATIONS=         .0     290.0  TYPE=      1  TARGET=      289.999
 ELENCL=   1286.00  ELENCR=   1301.80

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA=      1287.10 ELREA=      1285.00

  9600.00     9.08  1283.68      .00       .00  1284.85     1.18      .11       .00  1287.10
    6250.       0.    6250.       0.        0.     718.       0.     145.       19.  1282.50
      .56      .00     8.71      .00      .000     .018     .000     .000  1274.60     3.42
  .000741     140.     140.     140.         2        0        0      .00    87.08    90.50


FLOW DISTRIBUTION FOR SECNO=   9600.00          CWSEL=   1283.68

STA=       3.      91.
  PER Q=    100.0
   AREA=    717.5
    VEL=      8.7
  DEPTH=      8.2

*SECNO 9770.000
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  SECNO    DEPTH    CWSEL    CRIWS    WSELK    EG       HV       HL       OLOSS   BANK ELEV
  Q        QLOB     QCH      QROB     ALOB     ACH      AROB     VOL      TWA   LEFT/RIGHT
  TIME     VLOB     VCH      VROB     XNL      XNCH     XNR      WTN      ELMIN      SSTA
  SLOPE    XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID     ENDST


3470 ENCROACHMENT STATIONS=        .0     290.0  TYPE=      1  TARGET=      289.999
 ELENCL=   1286.00  ELENCR=   1301.80

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA=      1287.10 ELREA=      1285.00

  9770.00     9.25  1283.85      .00      .00  1284.98     1.13      .12      .00  1287.10
    6250.       0.    6250.       0.       0.     733.       0.     148.      19.   1282.50
      .57      .00     8.53      .00     .000     .018     .000     .000  1274.60     3.25
  .000694     170.     170.     170.        2        0        0      .00    87.25    90.50


FLOW DISTRIBUTION FOR SECNO=   9770.00          CWSEL=   1283.85

STA=       3.      91.
  PER Q=    100.0
   AREA=    732.7
    VEL=      8.5
  DEPTH=      8.4

*SECNO 9900.000

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA=      1286.80 ELREA=      1285.00

  9900.00     9.12  1283.92      .00      .00  1285.08     1.16      .09      .01  1286.80
    6250.       0.    6250.       0.       0.     722.       0.     150.      19.   1282.50
      .57      .00     8.66      .00     .000     .018     .000     .000  1274.80     2.88
  .000725     130.     130.     130.        2        0        0      .00    87.12    90.00


FLOW DISTRIBUTION FOR SECNO=   9900.00          CWSEL=   1283.92

STA=       3.      90.
  PER Q=    100.0
   AREA=    722.1
    VEL=      8.7
  DEPTH=      8.3

*SECNO  10000.000
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SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 1286.80 ELREA= 1285.00

10000.00	9.22	1284.02	.00	.00	1285.16	1.14	.07	.00	1286.80
6250.	0.	6250.	0.	0.	731.	0.	151.	19.	1282.50
.58	.00	8.55	.00	.000	.018	.000	.000	1274.80	2.78
.000698	100.	100.	100.	2	0	0	.00	87.22	90.00

FLOW DISTRIBUTION FOR SECNO= 10000.00 CWSEL= 1284.02

STA= 3. 90.
PER Q= 100.0
AREA= 731.0
VEL= 8.5
DEPTH= 8.4

1490 NH CARD USED
*SECNO 10600.000

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 1287.00 ELREA= 1285.00

10600.00	9.49	1284.49	.00	.00	1285.56	1.07	.40	.01	1287.00
6250.	0.	6250.	0.	0.	754.	0.	162.	21.	1283.00
.60	.00	8.29	.00	.000	.018	.000	.000	1275.00	2.51
.000635	600.	600.	600.	2	0	0	.00	87.49	90.00

FLOW DISTRIBUTION FOR SECNO= 10600.00 CWSEL= 1284.49

STA= 3. 90.
PER Q= 100.0
AREA= 753.7
VEL= 8.3
DEPTH= 8.6

1490 NH CARD USED
*SECNO 11100.000

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 1287.20 ELREA= 1285.00

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


 11100.00     9.64  1284.84       .00       .00  1285.88      1.03       .31       .00  1287.20
    6250.       0.     6250.       0.        0.     766.        0.      170.       22.  1283.20
      .61      .00      8.16      .00      .000     .018      .000      .000  1275.20     2.37
  .000604     500.      500.     500.         1        0         0       .00    87.63    90.00


FLOW DISTRIBUTION FOR SECNO=  11100.00          CWSEL=   1284.84

STA=        2.       90.
  PER Q=    100.0
   AREA=    765.9
    VEL=      8.2
  DEPTH=      8.7

1490 NH CARD USED
*SECNO  11200.000

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA=      1286.70 ELREA=      1285.50

 11200.00     9.71  1284.91       .00       .00  1285.94      1.03       .06       .00  1286.70
    6250.       0.     6250.       0.        0.     769.        0.      172.       22.  1285.50
      .62      .00      8.13      .00      .000     .018      .000      .000  1275.20     1.80
  .000612     100.      100.     100.         0        0         0       .00    88.46    90.26


FLOW DISTRIBUTION FOR SECNO=  11200.00          CWSEL=   1284.91

STA=        2.       91.
  PER Q=    100.0
   AREA=    768.8
    VEL=      8.1
  DEPTH=      8.7

1490 NH CARD USED
*SECNO  11400.000

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA=      1286.80 ELREA=      1285.60

 11400.00     9.74  1285.04       .00       .00  1286.06      1.02       .12       .00  1286.80
    6250.       0.     6250.       0.        0.     771.        0.      176.       22.  1285.60
      .62      .00      8.10      .00      .000     .018      .000      .000  1275.30     1.77
  .000606     200.      200.     200.         0        0         0       .00    88.52    90.29
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```
  SECNO    DEPTH    CWSEL    CRIWS    WSELK    EG       HV       HL       OLOSS   BANK ELEV
  Q        QLOB     QCH      QROB     ALOB     ACH      AROB     VOL      TWA   LEFT/RIGHT
  TIME     VLOB     VCH      VROB     XNL      XNCH     XNR      WTN      ELMIN      SSTA
  SLOPE    XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID     ENDST


FLOW DISTRIBUTION FOR SECNO=  11400.00          CWSEL=   1285.04

STA=       2.      91.
  PER Q=    100.0
   AREA=    771.4
    VEL=      8.1
  DEPTH=      8.7

1490 NH CARD USED
*SECNO  11900.000

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA=      1287.00 ELREA=      1285.80

 11900.00     9.87  1285.37      .00      .00  1286.36      .99      .30      .00  1287.00
    6250.       0.    6250.       0.       0.     784.       0.     185.      23.   1285.80
      .64      .00     7.98      .00     .000     .018     .000     .000  1275.50     1.63
  .000578     500.     500.     500.        2        0        0      .00    88.78    90.41


FLOW DISTRIBUTION FOR SECNO=  11900.00          CWSEL=   1285.37

STA=       2.      91.
  PER Q=    100.0
   AREA=    783.6
    VEL=      8.0
  DEPTH=      8.8

1490 NH CARD USED
*SECNO  12300.000

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA=      1287.10 ELREA=      1285.90

 12300.00    10.03  1285.63      .00      .00  1286.59      .95      .22      .00  1287.10
    6250.       0.    6250.       0.       0.     798.       0.     192.      24.   1285.90
      .66      .00     7.83      .00     .000     .018     .000     .000  1275.60     1.47
  .000547     400.     400.     400.        2        0        0      .00    89.10    90.56


FLOW DISTRIBUTION FOR SECNO=  12300.00          CWSEL=   1285.63
```

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

STA= 1. 91.
PER Q= 100.0
AREA= 798.2
VEL= 7.8
DEPTH= 9.0

THIS RUN EXECUTED 12/ 3/90 12:12:26

****
HEC2 RELEASE DATED SEPT 88

****

NOTE- ASTERISK (*) AT LEFT OF CROSS-SECTION NUMBER INDICATES MESSAGE IN SUMMARY OF ERRORS LIST

ADOT INTERCEPTOR CHANNEL

SUMMARY PRINTOUT TABLE 120

	SECNO	CWSEL	EG	VCH	10*KS	DEPTH	TOPWID	CLSTA	BW	STCHL	XLBEL	STCHR	RBEL
	591.200	1280.50	1280.87	4.91	2.70	9.10	56.00	.00	.01	20.00	1281.40	76.00	1281.40
	605.200	1280.50	1280.88	4.90	2.70	9.10	56.00	.00	.01	20.00	1281.40	76.00	1281.40
*	631.200	1280.72	1280.90	3.38	1.11	9.32	88.65	.00	.01	.00	1281.40	90.00	1281.40
	1000.000	1280.76	1280.94	3.40	1.13	9.26	88.71	.00	.01	.00	1281.40	90.00	1281.40
	1200.000	1280.79	1280.97	3.39	1.12	9.29	88.76	.00	.01	.00	1281.40	90.00	1281.40
	1600.000	1280.83	1281.01	3.41	1.14	9.23	88.76	.00	.01	.00	1281.70	90.00	1281.20
	1895.000	1280.86	1281.06	3.59	1.62	9.16	81.90	.00	.01	7.50	1283.20	93.80	1283.30
	1985.000	1280.88	1281.08	3.59	1.62	9.18	81.91	.00	.01	7.50	1283.20	93.80	1283.30
	2500.000	1280.96	1281.15	3.49	1.22	9.06	88.03	.00	.01	.00	1283.30	91.00	1281.60
	2900.000	1281.00	1281.20	3.55	1.27	9.00	87.11	.00	.01	.00	1282.90	89.00	1281.00
	3155.100	1281.04	1281.23	3.53	1.27	8.94	88.62	.00	.01	.00	1282.90	91.00	1281.60
	3365.000	1281.07	1281.26	3.54	1.29	8.87	89.49	.00	.01	.00	1282.90	92.00	1281.60
	4000.000	1281.14	1281.35	3.63	1.37	8.74	87.49	.00	.01	.00	1283.10	91.00	1282.70
	4350.000	1281.19	1281.40	3.62	1.38	8.69	88.90	.00	.01	.00	1282.80	93.00	1283.30
	4800.000	1281.26	1281.46	3.60	1.40	8.56	92.33	.00	.01	.00	1282.40	95.00	1282.20
	5300.000	1281.32	1281.54	3.77	1.55	8.42	87.35	.00	.01	.00	1283.10	91.00	1283.10
	5850.000	1281.40	1281.63	3.86	1.64	8.30	86.22	.00	.01	.00	1283.80	91.00	1283.90

	SECNO	CWSEL	EG	VCH	10*KS	DEPTH	TOPWID	CLSTA	BW	STCHL	XLBEL	STCHR	RBEL
	5900.000	1281.40	1281.64	3.90	1.70	8.20	86.41	.00	.01	.00	1284.20	91.80	1284.00
	6010.000	1281.42	1281.66	3.89	1.69	8.22	86.44	.00	.01	.00	1284.20	91.80	1284.00
	6117.000	1281.44	1281.68	3.90	1.70	8.24	85.37	.00	.01	.00	1284.20	88.30	1281.64
	6337.000	1281.35	1281.79	5.29	3.20	8.05	85.09	.00	.01	.00	1284.20	88.30	1281.74
	6557.000	1281.29	1281.94	6.44	4.85	7.89	84.65	.00	.01	.00	1284.50	88.30	1281.84
	6777.000	1281.28	1282.12	7.36	6.45	7.78	84.51	.00	.01	.00	1284.50	88.30	1281.94
	6997.000	1281.31	1282.33	8.12	7.93	7.71	84.31	.00	.01	.00	1285.00	88.60	1282.04
	7217.000	1281.40	1282.56	8.67	9.05	7.70	84.35	.00	.01	.00	1285.00	88.60	1282.14
	7329.000	1281.58	1282.67	8.36	8.20	7.88	86.30	.00	.01	.00	1285.00	92.30	1284.00
	7431.000	1281.78	1282.81	8.16	7.60	8.08	86.16	.00	.01	.00	1285.00	92.30	1284.70
	7452.000	1281.94	1282.94	8.02	7.19	8.24	86.34	.00	.01	.00	1285.00	92.30	1284.70
	7458.000	1281.94	1282.94	8.02	7.18	8.24	86.35	.00	.01	.00	1285.00	92.30	1284.70
	7499.000	1281.97	1283.06	8.35	11.91	8.17	83.48	.00	.01	.00	1285.00	92.00	1285.00
	7532.000	1282.04	1283.10	8.28	11.63	8.24	83.61	.00	.01	.00	1285.00	92.00	1285.00
	7680.000	1282.29	1283.24	7.83	6.71	8.39	86.77	.00	.01	.00	1285.00	92.20	1285.00
	7760.000	1282.33	1283.30	7.89	6.85	8.33	86.67	.00	.01	.00	1285.00	92.00	1285.00
*	7772.000	1282.25	1283.41	8.62	21.51	8.25	86.26	.00	.01	.00	1285.00	91.70	1284.70
*	8100.000	1282.91	1283.76	7.41	5.68	8.81	87.70	.00	.01	.00	1285.60	92.50	1285.00
	8600.000	1283.23	1284.04	7.21	5.22	9.03	88.07	.00	.01	.00	1285.70	92.50	1285.20
	8700.000	1283.27	1284.10	7.28	5.36	8.97	87.96	.00	.01	.00	1285.80	91.00	1283.80
	8920.000	1283.32	1284.26	7.77	6.14	8.92	87.77	.00	.01	.00	1286.00	91.00	1283.90
	9140.000	1283.38	1284.44	8.26	6.99	8.88	88.53	.00	.01	.00	1286.00	92.00	1284.00
	9360.000	1283.42	1284.66	8.92	8.21	8.82	87.81	.00	.01	.00	1287.00	92.00	1284.00
	9460.000	1283.52	1284.74	8.88	8.06	8.92	87.98	.00	.01	.00	1287.00	92.00	1284.00
	9600.000	1283.68	1284.85	8.71	7.41	9.08	87.08	.00	.01	.00	1287.10	90.50	1282.50
	9770.000	1283.85	1284.98	8.53	6.94	9.25	87.25	.00	.01	.00	1287.10	90.50	1282.50

SECNO	CWSEL	EG	VCH	10*KS	DEPTH	TOPWID	CLSTA	BW	STCHL	XLBEL	STCHR	RBEL
9900.000	1283.92	1285.08	8.66	7.25	9.12	87.12	.00	.01	.00	1286.80	90.00	1282.50
10000.000	1284.02	1285.16	8.55	6.98	9.22	87.22	.00	.01	.00	1286.80	90.00	1282.50
10600.000	1284.49	1285.56	8.29	6.35	9.49	87.49	.00	.01	.00	1287.00	90.00	1283.00
11100.000	1284.84	1285.88	8.16	6.04	9.64	87.63	.00	.01	.00	1287.20	90.00	1283.20
11200.000	1284.91	1285.94	8.13	6.12	9.71	88.46	.00	.01	.00	1286.70	90.80	1285.50
11400.000	1285.04	1286.06	8.10	6.06	9.74	88.52	.00	.01	.00	1286.80	90.80	1285.60
11900.000	1285.37	1286.36	7.98	5.78	9.87	88.78	.00	.01	.00	1287.00	90.80	1285.80
12300.000	1285.63	1286.59	7.83	5.47	10.03	89.10	.00	.01	.00	1287.10	90.80	1285.90

ADOT INTERCEPTOR CHANNEL

SUMMARY PRINTOUT TABLE 150

	SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRIWS	EG	10*KS	VCH	AREA	.01K
	591.200	.00	.00	.00	1271.40	2500.00	1280.50	.00	1280.87	2.70	4.91	509.60	1520.16
	605.200	14.00	.00	.00	1271.40	2500.00	1280.50	.00	1280.88	2.70	4.90	509.81	1521.11
*	631.200	26.00	.00	.00	1271.40	2500.00	1280.72	.00	1280.90	1.11	3.38	739.63	2375.89
	1000.000	369.00	.00	.00	1271.50	2500.00	1280.76	.00	1280.94	1.13	3.40	735.14	2352.54
	1200.000	200.00	.00	.00	1271.50	2500.00	1280.79	.00	1280.97	1.12	3.39	737.12	2362.09
	1600.000	400.00	.00	.00	1271.60	2500.00	1280.83	.00	1281.01	1.14	3.41	732.85	2340.53
	1895.000	295.00	1284.30	1283.30	1271.70	2500.00	1280.86	.00	1281.06	1.62	3.59	696.05	1963.79
	1985.000	90.00	1284.30	1283.30	1271.70	2500.00	1280.88	.00	1281.08	1.62	3.59	696.79	1966.80
	2500.000	515.00	.00	.00	1271.90	2500.00	1280.96	.00	1281.15	1.22	3.49	715.80	2262.48
	2900.000	400.00	.00	.00	1272.00	2500.00	1281.00	.00	1281.20	1.27	3.55	703.82	2214.86
	3155.100	255.00	.00	.00	1272.10	2500.00	1281.04	.00	1281.23	1.27	3.53	708.79	2221.09
	3365.000	210.00	.00	.00	1272.20	2500.00	1281.07	.00	1281.26	1.29	3.54	707.11	2204.49
	4000.000	635.00	.00	.00	1272.40	2500.00	1281.14	.00	1281.35	1.37	3.63	688.81	2134.30
	4350.000	350.00	.00	.00	1272.50	2500.00	1281.19	.00	1281.40	1.38	3.62	690.41	2128.05
	4800.000	450.00	.00	.00	1272.70	2500.00	1281.26	.00	1281.46	1.40	3.60	694.33	2110.66
	5300.000	500.00	.00	.00	1272.90	2500.00	1281.32	.00	1281.54	1.55	3.77	663.04	2010.54
	5850.000	550.00	.00	.00	1273.10	2500.00	1281.40	.00	1281.63	1.64	3.86	648.22	1949.84
	5900.000	50.00	.00	.00	1273.20	2500.00	1281.40	.00	1281.64	1.70	3.90	641.79	1917.74
	6010.000	110.00	.00	.00	1273.20	2500.00	1281.42	.00	1281.66	1.69	3.89	643.15	1923.86
	6117.000	107.00	.00	.00	1273.20	2500.00	1281.44	.00	1281.68	1.70	3.90	640.23	1919.00
	6337.000	220.00	.00	.00	1273.30	3303.00	1281.35	.00	1281.79	3.20	5.29	624.55	1847.46
	6557.000	220.00	.00	.00	1273.40	3930.00	1281.29	.00	1281.94	4.85	6.44	610.44	1785.40
	6777.000	220.00	.00	.00	1273.50	4425.00	1281.28	.00	1282.12	6.45	7.36	600.97	1742.84
	6997.000	220.00	.00	.00	1273.60	4832.00	1281.31	.00	1282.33	7.93	8.12	594.77	1716.00

	SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRIWS	EG	10*KS	VCH	AREA	.01K
	7217.000	220.00	.00	.00	1273.70	5150.00	1281.40	.00	1282.56	9.05	8.67	593.89	1711.62
	7329.000	112.00	.00	.00	1273.70	5150.00	1281.58	.00	1282.67	8.20	8.36	616.06	1798.10
	7431.000	180.00	.00	.00	1273.70	5150.00	1281.78	.00	1282.81	7.60	8.16	630.91	1868.63
	7452.000	161.00	1284.90	1283.90	1273.70	5150.00	1281.94	.00	1282.94	7.19	8.02	641.86	1920.13
	7458.000	6.00	1284.90	1283.90	1273.70	5150.00	1281.94	.00	1282.94	7.18	8.02	642.25	1921.90
	7499.000	80.00	1286.00	1284.00	1273.80	5150.00	1281.97	.00	1283.06	11.91	8.35	617.08	1492.55
	7532.000	33.00	1286.00	1284.00	1273.80	5150.00	1282.04	.00	1283.10	11.63	8.28	622.28	1510.12
	7680.000	148.00	.00	.00	1273.90	5150.00	1282.29	.00	1283.24	6.71	7.83	657.38	1988.72
	7760.000	80.00	.00	.00	1274.00	5150.00	1282.33	.00	1283.30	6.85	7.89	652.82	1967.91
*	7772.000	12.00	1284.70	1284.70	1274.00	5150.00	1282.25	.00	1283.41	21.51	8.62	597.13	1110.30
*	8100.000	328.00	.00	.00	1274.10	5150.00	1282.91	.00	1283.76	5.68	7.41	694.75	2161.43
	8600.000	500.00	.00	.00	1274.20	5150.00	1283.23	.00	1284.04	5.22	7.21	714.01	2253.13
	8700.000	100.00	.00	.00	1274.30	5164.00	1283.27	.00	1284.10	5.36	7.28	709.31	2230.84
	8920.000	220.00	.00	.00	1274.40	5465.00	1283.32	.00	1284.26	6.14	7.77	703.75	2205.16
	9140.000	220.00	.00	.00	1274.50	5813.00	1283.38	.00	1284.44	6.99	8.26	703.85	2198.12
	9360.000	220.00	.00	.00	1274.60	6210.00	1283.42	.00	1284.66	8.21	8.92	696.24	2167.68
	9460.000	100.00	.00	.00	1274.60	6250.00	1283.52	.00	1284.74	8.06	8.88	703.51	2201.93
	9600.000	140.00	.00	.00	1274.60	6250.00	1283.68	.00	1284.85	7.41	8.71	717.51	2295.23
	9770.000	170.00	.00	.00	1274.60	6250.00	1283.85	.00	1284.98	6.94	8.53	732.74	2372.89
	9900.000	130.00	.00	.00	1274.80	6250.00	1283.92	.00	1285.08	7.25	8.66	722.13	2321.18
	10000.000	100.00	.00	.00	1274.80	6250.00	1284.02	.00	1285.16	6.98	8.55	731.00	2366.51
	10600.000	600.00	.00	.00	1275.00	6250.00	1284.49	.00	1285.56	6.35	8.29	753.68	2479.65
	11100.000	500.00	.00	.00	1275.20	6250.00	1284.84	.00	1285.88	6.04	8.16	765.86	2543.31
	11200.000	100.00	.00	.00	1275.20	6250.00	1284.91	.00	1285.94	6.12	8.13	768.82	2526.85
	11400.000	200.00	.00	.00	1275.30	6250.00	1285.04	.00	1286.06	6.06	8.10	771.39	2539.55
	11900.000	500.00	.00	.00	1275.50	6250.00	1285.37	.00	1286.36	5.78	7.98	783.64	2600.29

SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRIWS	EG	10*KS	VCH	AREA	.01K
12300.000	400.00	.00	.00	1275.60	6250.00	1285.63	.00	1286.59	5.47	7.83	798.24	2673.25

ADOT INTERCEPTOR CHANNEL

SUMMARY PRINTOUT TABLE 150

SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
591.200	2500.00	1280.50	.00	.00	.00	56.00	.00
605.200	2500.00	1280.50	.00	.00	.00	56.00	14.00
* 631.200	2500.00	1280.72	.00	.22	.00	88.65	26.00
1000.000	2500.00	1280.76	.00	.04	.00	88.71	369.00
1200.000	2500.00	1280.79	.00	.02	.00	88.76	200.00
1600.000	2500.00	1280.83	.00	.04	.00	88.76	400.00
1895.000	2500.00	1280.86	.00	.03	.00	81.90	295.00
1985.000	2500.00	1280.88	.00	.02	.00	81.91	90.00
2500.000	2500.00	1280.96	.00	.08	.00	88.03	515.00
2900.000	2500.00	1281.00	.00	.05	.00	87.11	400.00
3155.100	2500.00	1281.04	.00	.04	.00	88.62	255.00
3365.000	2500.00	1281.07	.00	.03	.00	89.49	210.00
4000.000	2500.00	1281.14	.00	.08	.00	87.49	635.00
4350.000	2500.00	1281.19	.00	.05	.00	88.90	350.00
4800.000	2500.00	1281.26	.00	.07	.00	92.33	450.00
5300.000	2500.00	1281.32	.00	.06	.00	87.35	500.00
5850.000	2500.00	1281.40	.00	.08	.00	86.22	550.00
5900.000	2500.00	1281.40	.00	.01	.00	86.41	50.00
6010.000	2500.00	1281.42	.00	.02	.00	86.44	110.00
6117.000	2500.00	1281.44	.00	.02	.00	85.37	107.00
6337.000	3303.00	1281.35	.00	-.09	.00	85.09	220.00
6557.000	3930.00	1281.29	.00	-.06	.00	84.65	220.00
6777.000	4425.00	1281.28	.00	-.02	.00	84.51	220.00
6997.000	4832.00	1281.31	.00	.03	.00	84.31	220.00

	SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
	7217.000	5150.00	1281.40	.00	.09	.00	84.35	220.00
	7329.000	5150.00	1281.58	.00	.19	.00	86.30	112.00
	7431.000	5150.00	1281.78	.00	.20	.00	86.16	180.00
	7452.000	5150.00	1281.94	.00	.16	.00	86.34	161.00
	7458.000	5150.00	1281.94	.00	.01	.00	86.35	6.00
	7499.000	5150.00	1281.97	.00	.03	.00	83.48	80.00
	7532.000	5150.00	1282.04	.00	.06	.00	83.61	33.00
	7680.000	5150.00	1282.29	.00	.25	.00	86.77	148.00
	7760.000	5150.00	1282.33	.00	.05	.00	86.67	80.00
*	7772.000	5150.00	1282.25	.00	-.08	.00	86.26	12.00
*	8100.000	5150.00	1282.91	.00	.66	.00	87.70	328.00
	8600.000	5150.00	1283.23	.00	.32	.00	88.07	500.00
	8700.000	5164.00	1283.27	.00	.04	.00	87.96	100.00
	8920.000	5465.00	1283.32	.00	.05	.00	87.77	220.00
	9140.000	5813.00	1283.38	.00	.06	.00	88.53	220.00
	9360.000	6210.00	1283.42	.00	.04	.00	87.81	220.00
	9460.000	6250.00	1283.52	.00	.09	.00	87.98	100.00
	9600.000	6250.00	1283.68	.00	.16	.00	87.08	140.00
	9770.000	6250.00	1283.85	.00	.18	.00	87.25	170.00
	9900.000	6250.00	1283.92	.00	.07	.00	87.12	130.00
	10000.000	6250.00	1284.02	.00	.10	.00	87.22	100.00
	10600.000	6250.00	1284.49	.00	.47	.00	87.49	600.00
	11100.000	6250.00	1284.84	.00	.35	.00	87.63	500.00
	11200.000	6250.00	1284.91	.00	.07	.00	88.46	100.00
	11400.000	6250.00	1285.04	.00	.13	.00	88.52	200.00
	11900.000	6250.00	1285.37	.00	.33	.00	88.78	500.00

SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
12300.000	6250.00	1285.63	.00	.26	.00	89.10	400.00

SUMMARY OF ERRORS AND SPECIAL NOTES

WARNING SECNO= 631.200 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 7772.000 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 8100.000 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE