OUTER LOOP HIGHWAY

MANAGEMENT CONSULTANT SERVICES

AMMENDMENT #1

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

OCTOBER 1990

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Management Consultant for the
Arizona Department of Transportation

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

OCTOBER 1990

Registered Professional Engineer
CERTIFICATE NO. 13248
EILEEN M. ABBOTT
Date Signed 10/6/90
ARIZONA, U.S.A.

AMENDMENT #1

October 1, 1990

During the review of the final Supplement to Concept Study for the Pima Freeway Crossing the Arizona Canal, it was discovered that some of the HEC-2 models did not include the proposed Pima Freeway improvements. The affected models were Appendices G, H, I. The section numbers were between 9600 and 10600. Pima Fwy Corrected Appendices and Summary Tables 3, 4 and 5 are attached. The impact to the water surface elevations was not significant. However, top widths were reduced.

Communications with Evans, Kuhn and Associates, engineering consultants for SRPMIC, reveals the schedule for the 96th Street stormwater management system construction is to be completed before the Pima Freeway drainage channel.

ALL APPENDICES

SECTION NUMBER	APPENDIX	FLOW (cfs)	VELOCITY (ft/sec)	DEPTH (ft)	WATER SURFACE ELEVATION	TOP WIDTH (ft)
591.2	C	2.500	4.91	9.1	1280.50	56
	D	5.500	5.70	7.6	1276.50	177
	G	1.600	3.14	9.1	1280.50	56
	G	2.500	4.91	9.1	1280.50	56
	I	2.500	4.91	9.1	1280.50	56
605.2	C	2.500	4.90	9.1	1280.50	56
	D	5.500	5.68	7.6	1276.52	178
	G	1.600	3.14	9.1	1280.50	56
	G	2.500	4.90	9.1	1280.50	56
	I	2.500	4.90	9.1	1280.50	56
631.2	C	2.500	3.38	9.3	1280.72	89
	D	5.500	5.47	7.1	1276.60	183
	G	1.600	2.20	9.2	1280.59	88
	G	2.500	3.38	9.3	1280.72	89
	I	2.500	3.38	9.3	1280.72	89
1000	C	2.500	3.40	9.3	1280.76	89
	D	5.500	3.63	8.5	1277.15	237
	G	1.600	2.22	9.1	1280.61	88
	G	2.500	3.40	9.3	1280.76	89
	I	2.500	3.40	9.3	1280.76	89
1200	C	2.500	3.39	9.3	1280.79	89
	D	5.500	3.58	8.5	1277.24	238
	G	1.600	2.22	9.1	1280.62	88
	G	2.500	3.39	9.3	1280.79	89
	I	2.500	3.39	9.3	1280.79	89
1600	C	2.500	3.42	9.2	1280.83	88
	D	5.500	3.91	7.5	1277.41	224
	G	1.600	2.24	9.0	1280.63	88
	G	2.500	3.41	9.2	1280.83	89
	I	2.500	3.41	9.2	1280.83	89
1895	C	2.500	3.59	9.2	1280.86	82
	D	5.500	4.59	8.5	1277.59	180
	G	1.600	2.36	9.0	1280.65	82
	G	2.500	3.59	9.2	1280.86	82
	I	2.500	3.59	9.2	1280.86	82
1985	C	2.500	3.59	9.2	1280.88	82
	D	5.500	4.51	8.6	1277.70	180
	G	1.600	2.36	9.0	1280.65	82
	G	2.500	3.59	9.2	1280.88	82
	I	2.500	3.59	9.2	1280.88	82

ALL APPENDICES

SECTION NUMBER	APPENDIX	FLOW (cfs)	VELOCITY (ft/sec)	DEPTH (ft)	WATER SURFACE ELEVATION	TOP WIDTH (ft)
2500	C	2.500	3.50	9.1	1280.96	87
	D	5.500	3.43	8.8	1278.16	244
	G	1.600	2.31	8.8	1280.69	87
	G	2.500	3.49	9.1	1280.96	88
	I	2.500	3.49	9.1	1280.96	88
2900	C	2.500	3.55	9.0	1281.00	87
	D	5.500	3.77	8.7	1278.31	228
	G	1.600	2.36	8.7	1280.71	87
	G	2.500	3.55	9.0	1281.00	87
	I	2.500	3.55	9.0	1281.00	87
3155.1	C	2.500	3.56	8.9	1281.04	87
	D	5.500	3.69	8.7	1278.43	217
	G	1.600	2.35	8.6	1280.73	88
	G	2.500	3.53	8.9	1281.04	89
	I	2.500	3.53	8.9	1281.04	89
3365	C	2.500	3.57	8.9	1281.06	88
	D	5.500	3.41	8.8	1278.55	247
	G	1.600	2.36	8.5	1280.74	89
	G	2.500	3.54	8.9	1281.07	89
	I	2.500	3.54	8.9	1281.07	89
4000	C	2.500	3.62	8.7	1281.14	88
	D	5.500	3.46	8.7	1278.80	243
	G	1.600	2.44	8.4	1280.77	87
	G	2.500	3.63	8.7	1281.14	87
	I	2.500	3.67	8.7	1281.14	86
4350	C	2.500	3.67	8.7	1281.19	87
	D	5.500	3.50	8.6	1278.94	241
	G	1.600	2.44	8.3	1280.80	88
	G	2.500	3.62	8.7	1281.19	89
	I	2.500	3.62	8.7	1281.20	89
4800	C	2.500	3.71	8.6	1281.25	88
	D	5.500	3.60	8.6	1279.12	231
	G	1.600	2.44	8.1	1280.83	91
	G	2.500	3.60	8.6	1281.26	92
	I	2.500	3.60	8.6	1281.26	92
5300	C	2.500	3.79	8.4	1281.32	87
	D	5.500	3.57	8.5	1279.34	238
	G	1.600	2.57	8.0	1280.86	86
	G	2.500	3.77	8.4	1281.32	87
	I	2.500	3.77	8.4	1281.32	87

ALL APPENDICES

SECTION NUMBER	APPENDIX	FLOW (cfs)	VELOCITY (ft/sec)	DEPTH (ft)	WATER SURFACE ELEVATION	TOP WIDTH (ft)
5850	C	2.500	3.83	8.3	1281.40	87
	D	5.500	3.58	8.6	1279.58	236
	G	1.600	2.64	7.8	1280.90	85
	G	2.500	3.86	8.3	1281.40	86
	I	2.500	3.86	8.3	1281.40	86
5900	C	2.500	3.96	8.2	1281.40	85
	D	5.500	3.54	8.6	1279.61	239
	F	5.500	3.09	13.1	1279.61	245
	G	1.600	2.67	7.7	1280.90	85
	G	2.500	3.90	8.2	1281.40	86
	I	2.500	3.89	8.2	1281.41	86
6010	C	2.500	3.95	8.2	1281.42	85
	D	5.500	3.51	8.7	1279.66	239
	F	5.500	2.16	12.7	1279.72	445
	G	1.600	2.67	7.7	1280.91	85
	G	2.500	3.89	8.2	1281.42	86
	I	2.500	3.89	8.2	1281.43	86
6117	B	2.508	3.70	8.5	1281.72	111
	B	2.527	3.45	9.1	1282.30	112
	C	2.500	1.12	8.5	1281.68	392
	D	5.500	2.18	8.2	1279.77	352
	F	5.500	2.52	10.3	1279.73	491
	G	1.600	2.65	7.7	1280.92	108
	G	2.500	3.84	8.3	1281.45	108
	I	2.500	3.81	8.3	1281.46	123
6337	B	3.303	4.99	8.3	1281.64	111
	B	3.951	5.58	8.8	1282.14	112
	C	3.951	2.33	8.4	1281.65	301
	D	5.500	4.72	8.5	1279.67	188
	F	4.697	2.48	10.3	1279.79	307
	G	1.600	2.68	7.6	1280.94	108
	G	3.303	5.20	8.1	1281.37	108
	I	3.303	5.21	8.1	1281.37	108
6557	B	3.930	6.08	8.2	1281.59	111
	B	5.054	7.40	8.6	1281.98	111
	C	5.054	2.68	8.3	1281.66	333
	D	4.070	2.84	8.6	1280.02	214
	F	4.070	1.59	10.3	1279.88	327
	G	1.600	2.72	7.6	1280.95	112
	G	3.930	6.33	7.9	1281.31	112
	I	3.930	6.33	7.9	1281.31	112

ALL APPENDICES

SECTION NUMBER	APPENDIX	FLOW (cfs)	VELOCITY (ft/sec)	DEPTH (ft)	WATER SURFACE ELEVATION	TOP WIDTH (ft)
6777	B	4.426	6.97	8.1	1281.57	111
	B	5.893	8.88	8.4	1281.87	111
	C	5.893	3.50	8.1	1281.64	301
	D	3.000	2.45	8.9	1280.11	186
	F	3.575	1.29	10.2	1279.91	330
	G	1.600	2.75	7.5	1280.97	110
	G	4.425	7.25	7.8	1281.29	110
	I	4.425	7.28	7.8	1281.29	110
6997	B	4.832	7.70	8.0	1281.58	110
	B	6.559	10.07	8.2	1281.84	110
	C	6.558	5.18	8.0	1281.57	257
	D	2.200	2.75	8.4	1280.14	142
	F	3.168	0.61	10.1	1279.93	626
	G	1.600	2.79	7.4	1280.99	110
	G	4.832	8.01	7.7	1281.32	110
	I	4.832	8.06	7.7	1281.31	110
7217	B	5.150	8.25	8.0	1281.65	110
	B	7.100	10.95	8.2	1281.91	111
	C	7.100	5.52	7.9	1281.62	257
	D	1.510	1.82	8.6	1280.26	151
	F	2.850	2.70	9.7	1279.88	138
	G	1.600	2.82	7.3	1281.01	110
	G	5.150	8.56	7.7	1281.40	110
	I	5.150	8.55	7.7	1281.41	110
7329	B	5.150	8.24	8.0	1281.73	87
	B	7.100	10.86	8.4	1282.07	87
	C	7.100	14.11	6.7	1280.35	81
	F	2.850	2.69	9.7	1279.91	138
	G	1.600	2.82	7.3	1281.02	85
	G	5.150	8.43	7.8	1281.53	86
	I	5.150	8.41	7.8	1281.54	86
7431	C	7.100	10.89	8.4	1282.06	87
	F	2.850	3.23	9.0	1279.91	116
	G	1.600	2.82	7.3	1281.04	85
	G	5.150	8.22	8.0	1281.73	86
	I	5.150	8.26	8.0	1281.73	86
7452	C	7.100	10.34	8.8	1282.45	87
	G	1.600	2.82	7.4	1281.06	85
	G	5.150	8.07	8.2	1281.89	86
	I	5.150	8.06	8.2	1281.90	86

ALL APPENDICES

SECTION NUMBER	APPENDIX	FLOW (cfs)	VELOCITY (ft/sec)	DEPTH (ft)	WATER SURFACE ELEVATION	TOP WIDTH (ft)
7458	C	7.100	10.33	8.8	1282.46	87
	G	1.600	2.82	7.4	1281.06	85
	G	5.150	8.07	8.2	1281.90	86
	I	5.150	8.06	8.2	1281.91	86
7499	C	7.100	10.20	8.8	1282.60	88
	F	2.850	4.43	8.9	1279.85	79
	G	1.600	2.95	7.3	1281.06	82
	G	5.150	8.39	8.1	1281.93	83
	I	5.150	8.38	8.1	1281.94	83
7532	C	7.100	9.00	9.8	1283.64	90
	F	2.850	4.21	9.3	1280.29	79
	G	1.600	2.95	7.3	1281.07	82
	G	5.150	8.32	8.2	1282.00	84
	I	5.150	8.31	8.2	1282.00	84
7680	C	8.000	10.53	9.6	1283.45	89
	G	1.600	2.88	7.2	1281.09	84
	G	5.150	7.87	8.4	1282.25	87
	H	8.000	5.38	11.2	1282.44	466
	H	9.600	6.12	11.4	1282.60	563
	H	9.830	5.80	11.6	1282.80	685
	I	8.000	4.31	11.8	1283.02	807
7692	F	2.850	2.59	9.3	1280.49	137
7760	C	8.000	10.57	9.5	1283.53	89
	G	1.600	2.92	7.1	1281.10	84
	G	5.150	7.93	8.3	1282.30	87
	H	8.000	5.08	11.3	1282.57	544
	H	9.600	5.52	11.6	1282.83	704
	H	9.830	5.21	11.7	1283.02	810
	I	8.000	4.10	11.8	1283.11	815
7772	C	8.000	1.84	11.7	1285.72	1200
	F	2.850	2.61	9.2	1280.49	137
	G	1.600	2.93	7.1	1281.10	84
	G	5.150	8.62	8.2	1282.22	86
	H	8.000	5.84	11.2	1282.48	145
	H	9.600	6.89	11.4	1282.65	145
	H	9.830	6.94	11.5	1282.80	146
	I	8.000	5.56	11.7	1282.96	147

ALL APPENDICES

SECTION NUMBER	APPENDIX	FLOW (cfs)	VELOCITY (ft/sec)	DEPTH (ft)	WATER SURFACE ELEVATION	TOP WIDTH (ft)
8100	C	8,000	3.40	11.7	1285.73	1520
	F	2,850	2.72	8.9	1280.51	136
	G	1,600	2.95	7.0	1281.14	84
	G	5,150	7.45	8.8	1282.87	88
	H	8,000	3.67	11.3	1282.96	816
	H	9,600	3.77	11.7	1283.37	942
	H	9,830	3.63	11.9	1283.55	991
	I	8,000	3.08	11.8	1283.43	956
8600	C	8,000	3.48	11.3	1285.77	1632
	E	5,147	7.40	8.8	1283.02	88
	F	2,850	2.90	8.4	1280.54	134
	G	1,600	2.97	7.0	1281.20	84
	G	5,150	7.24	9.0	1283.20	88
	H	8,000	3.47	11.1	1283.24	848
	H	9,600	3.57	11.5	1283.66	977
	H	9,830	3.46	11.7	1283.81	1023
	I	8,000	3.02	11.5	1283.62	964
8700	C	8,000	3.47	11.3	1285.78	1633
	E	5,163	7.48	8.8	1283.07	88
	F	2,850	2.94	8.3	1280.55	133
	G	1,600	3.01	6.9	1281.21	84
	G	5,164	7.31	8.9	1283.24	88
	H	8,000	3.56	11.0	1283.28	850
	H	9,600	3.64	11.5	1283.71	1003
	H	9,830	2.54	11.7	1283.91	1170
	I	8,000	2.99	11.4	1283.66	1023
8920	C	8,000	3.49	11.2	1285.80	1638
	E	5,464	7.96	8.7	1283.12	87
	F	2,838	3.01	8.1	1280.57	132
	G	1,600	3.05	6.8	1281.23	84
	G	5,465	7.79	8.9	1283.29	88
	H	8,000	3.33	11.0	1283.42	960
	H	9,600	3.39	11.4	1283.84	1069
	H	9,830	3.33	11.5	1283.95	1096
	I	8,000	2.94	11.3	1283.74	1043
9140	C	8,000	3.46	11.2	1285.82	1644
	E	5,813	8.46	8.7	1283.19	88
	F	2,560	2.78	7.9	1280.61	132
	G	1,600	3.07	6.8	1281.26	84
	G	5,813	8.29	8.9	1283.35	88
	H	8,000	3.30	10.8	1283.53	985
	H	9,600	3.34	11.3	1283.95	1095
	H	9,830	3.30	11.4	1284.05	1109
	I	8,000	2.93	11.1	1283.82	1062

ALL APPENDICES

SECTION NUMBER	APPENDIX	FLOW (cfs)	VELOCITY (ft/sec)	DEPTH (ft)	WATER SURFACE ELEVATION	TOP WIDTH (ft)
9360	C	8.000	4.48	11.3	1285.79	1437
	E	6.210	9.13	8.6	1283.24	87
	F	2.222	2.48	7.8	1280.65	131
	G	1.600	3.12	6.7	1281.28	84
	G	6.210	8.95	8.8	1283.40	88
	H	8.000	3.61	10.7	1283.62	923
	H	9.600	2.61	11.2	1284.08	1127
	H	9.830	2.60	11.3	1284.17	1139
	I	8.000	3.65	11.0	1283.87	895
9460	C	8.000	4.46	11.3	1285.80	1440
	E	6.250	9.08	8.7	1283.34	88
	F	1.804	2.03	7.7	1280.69	131
	G	1.600	3.11	6.7	1281.30	84
	G	6.250	8.91	8.9	1283.49	88
	H	8.000	4.02	10.7	1283.65	823
	H	9.600	2.80	11.1	1284.09	1047
	H	9.830	2.79	11.2	1284.18	1068
	I	8.000	3.59	10.9	1283.93	913
9600	C	8.000	3.72	11.3	1285.89	1429
	E	6.250	4.49	10.0	1284.59	1185
	F	1.750	2.13	7.6	1280.70	157
	G	1.600	3.10	6.7	1281.32	84
	G	6.250	8.74	9.1	1283.65	87
	H	8.000	3.70	10.6	1283.74	297
	H	9.600	4.26	10.9	1284.04	297
	H	9.830	4.31	11.0	1284.12	297
	I	8.000	5.49	10.7	1283.81	210
9770	C	8.000	3.70	11.3	1285.91	1433
	E	6.250	4.44	10.0	1284.62	1192
	F	1.750	2.17	7.4	1280.71	158
	G	1.600	3.09	6.7	1281.34	84
	G	6.250	8.55	9.2	1283.83	87
	H	8.000	3.72	10.5	1283.76	297
	H	9.600	4.28	10.8	1284.07	297
	H	9.830	4.33	10.8	1284.16	297
	I	8.000	5.52	10.6	1283.87	210
9800	C	8.000	3.75	11.2	1285.91	1473
	F	1.750	0.28	7.5	1280.79	1612
	H	8.000	0.65	10.7	1283.99	1765
	H	9.600	0.74	11.0	1284.37	1771
	H	9.830	0.75	11.1	1284.47	1773
	I	8.000	0.65	11.0	1284.38	1684

ALL APPENDICES

SECTION NUMBER	APPENDIX	FLOW (cfs)	VELOCITY (ft/sec)	DEPTH (ft)	WATER SURFACE ELEVATION	TOP WIDTH (ft)
9885	C	8.000	4.33	11.2	1285.89	1217
	F	1.750	5.89	1.7	1281.70	283
	H	8.000	4.05	9.1	1283.82	720
	H	9.600	4.26	9.5	1284.18	830
	H	9.830	4.20	9.6	1284.28	875
	I	8.000	5.68	4.0	1284.04	682
9900	C	8.000	4.54	11.1	1285.88	1201
	E	6.250	5.18	9.8	1284.58	923
	F	8.000	7.48	3.6	1283.89	643
	G	1.600	3.18	6.6	1281.35	83
	G	6.250	8.68	9.1	1283.90	87
	H	8.000	4.65	9.0	1283.79	716
	H	9.600	4.80	9.4	1284.16	798
	H	9.830	4.72	9.5	1284.26	829
	I	8.000	7.51	3.6	1283.88	642
10000	C	8.000	4.53	11.1	1285.89	1202
	E	6.250	5.14	9.8	1284.61	931
	F	8.000	4.83	4.4	1284.67	867
	G	1.600	3.18	6.6	1281.37	83
	G	6.250	8.57	9.2	1284.00	87
	H	8.000	4.41	9.1	1283.92	735
	H	9.600	4.55	9.5	1284.30	840
	H	9.830	4.48	9.6	1284.39	870
	I	8.000	4.83	4.4	1284.67	868
10600	C	8.000	4.81	11.0	1285.97	1374
	F	8.000	3.07	3.8	1285.77	1228
	G	1.600	3.24	6.5	1281.46	83
	G	6.250	4.85	10.2	1285.20	1169
	I	8.000	1.38	10.0	1284.95	1106
11100	C	8.000	4.50	10.9	1286.10	1395
	F	8.000	2.33	5.0	1286.29	1339
	G	1.600	3.31	6.3	1281.53	83
	G	6.250	4.50	10.1	1285.34	1253
	I	8.000	1.32	10.1	1285.29	1244
11200	C	8.000	4.52	10.9	1286.11	1399
	F	8.000	2.31	4.4	1286.35	1349
	G	1.600	3.32	6.4	1281.55	82
	G	6.250	8.26	9.6	1284.76	88
	I	8.000	0.98	5.1	1287.05	1550

ALL APPENDICES

SECTION NUMBER	APPENDIX	FLOW (cfs)	VELOCITY (ft/sec)	DEPTH (ft)	WATER SURFACE ELEVATION	TOP WIDTH (ft)
11400	C	8.000	4.52	10.9	1286.15	1397
	F	8.000	1.13	11.0	1286.34	1420
	G	1.600	3.35	6.3	1281.58	82
	G	6.250	8.23	9.6	1284.90	88
	I	8.000	1.00	11.8	1287.07	1500
11900	C	8.000	4.41	10.7	1286.24	1407
	F	8.000	1.13	10.9	1286.42	1430
	G	1.600	3.42	6.2	1281.66	82
	G	6.250	8.09	9.8	1285.25	89
	I	8.000	1.01	11.6	1287.12	1500
12300	C	8.000	4.31	10.7	1286.31	1416
	F	8.000	1.13	10.9	1286.49	1437
	G	1.600	3.44	6.1	1281.73	82
	G	6.250	7.93	9.9	1285.53	89
	I	8.000	1.00	11.6	1287.16	1528
12400	C	8.000	4.32	10.6	1286.33	1478
	F	8.000	1.11	10.8	1286.50	1530
	G	1.600	3.48	6.1	1281.75	82
	G	6.250	3.17	10.8	1286.53	1539
	I	8.000	0.97	11.5	1287.17	1680
12900	C	8.000	4.31	10.5	1286.41	1427
	F	8.000	1.14	10.7	1286.58	1448
	G	1.600	3.54	5.9	1281.84	82
	G	6.250	3.19	10.7	1286.57	1448
	I	8.000	1.02	11.3	1287.22	1500
13200	C	8.000	4.29	10.5	1286.45	1434
	F	8.000	1.14	10.6	1286.63	1455
	G	1.600	3.57	5.9	1281.90	82
	G	6.250	3.20	10.6	1286.60	1451
	I	8.000	1.00	11.2	1287.24	1587
13600	C	8.000	4.20	10.3	1286.52	1441
	F	8.000	1.14	10.5	1286.69	1462
	G	1.600	3.65	5.8	1281.98	82
	G	6.250	3.16	10.4	1286.63	1455
	I	8.000	1.02	11.1	1287.28	1550
13700	C	8.000	11.09	9.1	1285.31	88
	F	8.000	2.02	4.6	1286.80	1384
	G	1.600	3.63	5.8	1282.01	82
	G	6.250	7.97	9.8	1286.01	90
	I	8.000	1.02	11.1	1287.30	1531

ALL APPENDICES

SECTION NUMBER	APPENDIX	FLOW (cfs)	VELOCITY (ft/sec)	DEPTH (ft)	WATER SURFACE ELEVATION	TOP WIDTH (ft)
13800	C	8.000	10.78	9.3	1285.54	89
	F	8.000	2.00	4.7	1286.85	1388
	G	1.600	3.62	5.8	1282.03	82
	G	6.250	7.91	9.9	1286.08	90
	I	8.000	1.02	11.1	1287.31	1532

ARIZONA CANAL ONLY

SECTION NUMBER	APPENDIX	FLOW (cfs)	VELOCITY (ft/sec)	DEPTH (ft)	WATER SUFACE ELEVATION	TOP WIDTH (ft)
591.2	C	2,500	4.91	9.1	1280.50	56
	G	1,600	3.14	9.1	1280.50	56
	G	2,500	4.91	9.1	1280.50	56
	I	2,500	4.91	9.1	1280.50	56
605.2	C	2,500	4.90	9.1	1280.50	56
	G	1,600	3.14	9.1	1280.50	56
	G	2,500	4.90	9.1	1280.50	56
	I	2,500	4.90	9.1	1280.50	56
631.2	C	2,500	3.38	9.3	1280.72	89
	G	1,600	2.20	9.2	1280.59	88
	G	2,500	3.38	9.3	1280.72	89
	I	2,500	3.38	9.3	1280.72	89
1000	C	2,500	3.40	9.3	1280.76	89
	G	1,600	2.22	9.1	1280.61	88
	G	2,500	3.40	9.3	1280.76	89
	I	2,500	3.40	9.3	1280.76	89
1200	C	2,500	3.39	9.3	1280.79	89
	G	1,600	2.22	9.1	1280.62	88
	G	2,500	3.39	9.3	1280.79	89
	I	2,500	3.39	9.3	1280.79	89
1600	C	2,500	3.42	9.2	1280.83	88
	G	1,600	2.24	9.0	1280.63	88
	G	2,500	3.41	9.2	1280.83	89
	I	2,500	3.41	9.2	1280.83	89
1895	C	2,500	3.59	9.2	1280.86	82
	G	1,600	2.36	9.0	1280.65	82
	G	2,500	3.59	9.2	1280.86	82
	I	2,500	3.59	9.2	1280.86	82
1985	C	2,500	3.59	9.2	1280.88	82
	G	1,600	2.36	9.0	1280.65	82
	G	2,500	3.59	9.2	1280.88	82
	I	2,500	3.59	9.2	1280.88	82
2500	C	2,500	3.50	9.1	1280.96	87
	G	1,600	2.31	8.8	1280.69	87
	G	2,500	3.49	9.1	1280.96	88
	I	2,500	3.49	9.1	1280.96	88
2900	C	2,500	3.55	9.0	1281.00	87
	G	1,600	2.36	8.7	1280.71	87
	G	2,500	3.55	9.0	1281.00	87
	I	2,500	3.55	9.0	1281.00	87

ARIZONA CANAL ONLY

SECTION NUMBER	APPENDIX	FLOW (cfs)	VELOCITY (ft/sec)	DEPTH (ft)	WATER SUFACE ELEVATION	TOP WIDTH (ft)
3155.1	C	2,500	3.56	8.9	1281.04	87
	G	1,600	2.35	8.6	1280.73	88
	G	2,500	3.53	8.9	1281.04	89
	I	2,500	3.53	8.9	1281.04	89
3365	C	2,500	3.57	8.9	1281.06	88
	G	1,600	2.36	8.5	1280.74	89
	G	2,500	3.54	8.9	1281.07	89
	I	2,500	3.54	8.9	1281.07	89
4000	C	2,500	3.62	8.7	1281.14	88
	G	1,600	2.44	8.4	1280.77	87
	G	2,500	3.63	8.7	1281.14	87
	I	2,500	3.67	8.7	1281.14	86
4350	C	2,500	3.67	8.7	1281.19	87
	G	1,600	2.44	8.3	1280.80	88
	G	2,500	3.62	8.7	1281.19	89
	I	2,500	3.62	8.7	1281.20	89
4800	C	2,500	3.71	8.6	1281.25	88
	G	1.600	2.44	8.1	1280.83	91
	G	2,500	3.60	8.6	1281.26	92
	I	2,500	3.60	8.6	1281.26	92
5300	C	2,500	3.79	8.4	1281.32	87
	G	1,600	2.57	8.0	1280.86	86
	G	2,500	3.77	8.4	1281.32	87
	I	2,500	3.77	8.4	1281.32	87
5850	C	2,500	3.83	8.3	1281.40	87
	G	1,600	2.64	7.8	1280.90	85
	G	2,500	3.86	8.3	1281.40	86
	I	2,500	3.86	8.3	1281.40	86
5900	C	2,500	3.96	8.2	1281.40	85
	G	1,600	2.67	7.7	1280.90	85
	G	2,500	3.90	8.2	1281.40	86
	I	2,500	3.89	8.2	1281.41	86
6010	C	2,500	3.95	8.2	1281.42	85
	G	1,600	2.67	7.7	1280.91	85
	G	2,500	3.89	8.2	1281.42	86
	I	2,500	3.89	8.2	1281.43	86

ARIZONA CANAL ONLY

SECTION NUMBER	APPENDIX	FLOW (cfs)	VELOCITY (ft/sec)	DEPTH (ft)	WATER SUFACE ELEVATION	TOP WIDTH (ft)
6117	C	2,500	1.12	8.5	1281.68	392
	G	1,600	2.65	7.7	1280.92	108
	G	2,500	3.84	8.3	1281.45	108
	I	2,500	3.81	8.3	1281.46	123
6337	C	3,951	2.33	8.4	1281.65	301
	G	1,600	2.68	7.6	1280.94	108
	G	3,303	5.20	8.1	1281.37	108
	I	3,303	5.21	8.1	1281.37	108
6557	C	5,054	2.68	8.3	1281.66	333
	G	1,600	2.72	7.6	1280.95	112
	G	3,930	6.33	7.9	1281.31	112
	I	3,930	6.33	7.9	1281.31	112
6777	C	5,893	3.50	8.1	1281.64	301
	G	1,600	2.75	7.5	1280.97	110
	G	4,425	7.25	7.8	1281.29	110
	I	4,425	7.28	7.8	1281.29	110
6997	C	6,558	5.18	8.0	1281.57	257
	G	1,600	2.79	7.4	1280.99	110
	G	4,832	8.01	7.7	1281.32	110
	I	4,832	8.06	7.7	1281.31	110
7217	C	7,100	5.52	7.9	1281.62	257
	G	1,600	2.82	7.3	1281.01	110
	G	5,150	8.56	7.7	1281.40	110
	I	5,150	8.55	7.7	1281.41	110
7329	C	7,100	14.11	6.7	1280.35	81
	G	1,600	2.82	7.3	1281.02	85
	G	5,150	8.43	7.8	1281.53	86
	I	5,150	8.41	7.8	1281.54	86
7431	C	7,100	10.89	8.4	1282.06	87
	G	1,600	2.82	7.3	1281.04	85
	G	5,150	8.22	8.0	1281.73	86
	I	5,150	8.26	8.0	1281.73	86
7452	C	7,100	10.34	8.8	1282.45	87
	G	1,600	2.82	7.4	1281.06	85
	G	5,150	8.07	8.2	1281.89	86
	I	5,150	8.06	8.2	1281.90	86

ARIZONA CANAL ONLY

SECTION NUMBER	APPENDIX	FLOW (cfs)	VELOCITY (ft/sec)	DEPTH (ft)	WATER SUFACE ELEVATION	TOP WIDTH (ft)
7458	C	7,100	10.33	8.8	1282.46	87
	G	1,600	2.82	7.4	1281.06	85
	G	5,150	8.07	8.2	1281.90	86
	I	5,150	8.06	8.2	1281.91	86
7499	C	7,100	10.20	8.8	1282.60	88
	G	1,600	2.95	7.3	1281.06	82
	G	5,150	8.39	8.1	1281.93	83
	I	5,150	8.38	8.1	1281.94	83
7532	C	7,100	9.00	9.8	1283.64	90
	G	1,600	2.95	7.3	1281.07	82
	G	5,150	8.32	8.2	1282.00	84
	I	5,150	8.31	8.2	1282.00	84
7680	C	8,000	10.53	9.6	1283.45	89
	G	1,600	2.88	7.2	1281.09	84
	G	5,150	7.87	8.4	1282.25	87
	I	8,000	4.31	11.8	1283.02	807
7760	C	8,000	10.57	9.5	1283.53	89
	G	1,600	2.92	7.1	1281.10	84
	G	5,150	7.93	8.3	1282.30	87
	I	8,000	4.10	11.8	1283.11	815
7772	C	8,000	1.84	11.7	1285.72	1200
	G	1,600	2.93	7.1	1281.10	84
	G	5,150	8.62	8.2	1282.22	86
	I	8,000	5.56	11.7	1282.96	147
8100	C	8,000	3.40	11.7	1285.73	1520
	G	1,600	2.95	7.0	1281.14	84
	G	5,150	7.45	8.8	1282.87	88
	I	8,000	3.08	11.8	1283.43	956
8600	C	8,000	3.48	11.3	1285.77	1632
	G	1,600	2.97	7.0	1281.20	84
	G	5,150	7.24	9.0	1283.20	88
	I	8,000	3.02	11.5	1283.62	964
8700	C	8,000	3.47	11.3	1285.78	1633
	G	1,600	3.01	6.9	1281.21	84
	G	5,164	7.31	8.9	1283.24	88
	I	8,000	2.99	11.4	1283.66	1023
8920	C	8,000	3.49	11.2	1285.80	1638
	G	1,600	3.05	6.8	1281.23	84
	G	5,465	7.79	8.9	1283.29	88
	I	8,000	2.94	11.3	1283.74	1043

ARIZONA CANAL ONLY

SECTION NUMBER	APPENDIX	FLOW (cfs)	VELOCITY (ft/sec)	DEPTH (ft)	WATER SUFACE ELEVATION	TOP WIDTH (ft)
9140	C	8,000	3.46	11.2	1285.82	1644
	G	1,600	3.07	6.8	1281.26	84
	G	5,813	8.29	8.9	1283.35	88
	I	8,000	2.93	11.1	1283.82	1062
9360	C	8,000	4.48	11.3	1285.79	1437
	G	1,600	3.12	6.7	1281.28	84
	G	6,210	8.95	8.8	1283.40	88
	I	8,000	3.65	11.0	1283.87	895
9460	C	8,000	4.46	11.3	1285.80	1440
	G	1,600	3.11	6.7	1281.30	84
	G	6,250	8.91	8.9	1283.49	88
	I	8,000	3.59	10.9	1283.93	913
9600	C	8,000	3.72	11.3	1285.89	1429
	G	1,600	3.10	6.7	1281.32	84
	G	6,250	8.74	9.1	1283.65	87
	I	8,000	5.49	10.7	1283.81	210
9770	C	8,000	3.70	11.3	1285.91	1433
	G	1,600	3.09	6.7	1281.34	84
	G	6,250	8.55	9.2	1283.83	87
	I	8,000	5.52	10.6	1283.87	210
9800	C	8,000	3.75	11.2	1285.91	1473
	I	8,000	0.65	11.0	1284.38	1684
9885	C	8,000	4.33	11.2	1285.89	1217
	I	8,000	5.68	4.0	1284.04	682
9900	C	8,000	4.54	11.1	1285.88	1201
	G	1,600	3.18	6.6	1281.35	83
	G	6,250	8.68	9.1	1283.90	87
	I	8,000	7.51	3.6	1283.88	642
10000	C	8,000	4.53	11.1	1285.89	1202
	G	1,600	3.18	6.6	1281.37	83
	G	6,250	8.57	9.2	1284.00	87
	I	8,000	4.83	4.4	1284.67	868
10600	C	8,000	4.81	11.0	1285.97	1374
	G	1,600	3.24	6.5	1281.46	83
	G	6,250	4.85	10.2	1285.20	1169
	I	8,000	1.38	10.0	1284.95	1106

ARIZONA CANAL ONLY

SECTION NUMBER	APPENDIX	FLOW (cfs)	VELOCITY (ft/sec)	DEPTH (ft)	WATER SUFACE ELEVATION	TOP WIDTH (ft)
11100	C	8,000	4.50	10.9	1286.10	1395
	G	1,600	3.31	6.3	1281.53	83
	G	6,250	4.50	10.1	1285.34	1253
	I	8,000	1.32	10.1	1285.29	1244
11200	C	8,000	4.52	10.9	1286.11	1399
	G	1,600	3.32	6.4	1281.55	82
	G	6,250	8.26	9.6	1284.76	88
	I	8,000	0.98	5.1	1287.05	1550
11400	C	8,000	4.52	10.9	1286.15	1397
	G	1,600	3.35	6.3	1281.58	82
	G	6,250	8.23	9.6	1284.90	88
	I	8,000	1.00	11.8	1287.07	1500
11900	C	8,000	4.41	10.7	1286.24	1407
	G	1,600	3.42	6.2	1281.66	82
	G	6,250	8.09	9.8	1285.25	89
	I	8,000	1.01	11.6	1287.12	1500
12300	C	8,000	4.31	10.7	1286.31	1416
	G	1,600	3.44	6.1	1281.73	82
	G	6,250	7.93	9.9	1285.53	89
	I	8,000	1.00	11.6	1287.16	1528
12400	C	8,000	4.32	10.6	1286.33	1478
	G	1,600	3.48	6.1	1281.75	82
	G	6,250	3.17	10.8	1286.53	1539
	I	8,000	0.97	11.5	1287.17	1680
12900	C	8,000	4.31	10.5	1286.41	1427
	G	1,600	3.54	5.9	1281.84	82
	G	6,250	3.19	10.7	1286.57	1448
	I	8,000	1.02	11.3	1287.22	1500
13200	C	8,000	4.29	10.5	1286.45	1434
	G	1,600	3.57	5.9	1281.90	82
	G	6,250	3.20	10.6	1286.60	1451
	I	8,000	1.00	11.2	1287.24	1587
13600	C	8,000	4.20	10.3	1286.52	1441
	G	1,600	3.65	5.8	1281.98	82
	G	6,250	3.16	10.4	1286.63	1455
	I	8,000	1.02	11.1	1287.28	1550

ARIZONA CANAL ONLY

SECTION NUMBER	APPENDIX	FLOW (cfs)	VELOCITY (ft/sec)	DEPTH (ft)	WATER SUFACE ELEVATION	TOP WIDTH (ft)
13700	C	8.000	11.09	9.1	1285.31	88
	G	1.600	3.63	5.8	1282.01	82
	G	6.250	7.97	9.8	1286.01	90
	I	8.000	1.02	11.1	1287.30	1531
13800	C	8.000	10.78	9.3	1285.54	89
	G	1.600	3.62	5.8	1282.03	82
	G	6.250	7.91	9.9	1286.08	90
	I	8.000	1.02	11.1	1287.31	1532

INTERCEPTOR CHANNELS ONLY
(COE AND ADOT)

SECTION NUMBER	APPENDIX	FLOW (cfs)	VELOCITY (ft/sec)	DEPTH (ft)	WATER SURFACE ELEVATION	TOP WIDTH (ft)
591.2	D	5.500	5.70	7.6	1276.50	177
	I	2.500	4.91	9.1	1280.50	56
605.2	D	5.500	5.68	7.6	1276.52	178
	I	2.500	4.90	9.1	1280.50	56
631.2	D	5.500	5.47	7.1	1276.60	183
	I	2.500	3.38	9.3	1280.72	89
1000	D	5.500	3.63	8.5	1277.15	237
	I	2.500	3.40	9.3	1280.76	89
1200	D	5.500	3.58	8.5	1277.24	238
	I	2.500	3.39	9.3	1280.79	89
1600	D	5.500	3.91	7.5	1277.41	224
	I	2.500	3.41	9.2	1280.83	89
1895	D	5.500	4.59	8.5	1277.59	180
	I	2.500	3.59	9.2	1280.86	82
1985	D	5.500	4.51	8.6	1277.70	180
	I	2.500	3.59	9.2	1280.88	82
2500	D	5.500	3.43	8.8	1278.16	244
	I	2.500	3.49	9.1	1280.96	88
2900	D	5.500	3.77	8.7	1278.31	228
	I	2.500	3.55	9.0	1281.00	87
3155.1	D	5.500	3.69	8.7	1278.43	217
	I	2.500	3.53	8.9	1281.04	89
3365	D	5.500	3.41	8.8	1278.55	247
	I	2.500	3.54	8.9	1281.07	89
4000	D	5.500	3.46	8.7	1278.80	243
	I	2.500	3.67	8.7	1281.14	86
4350	D	5.500	3.50	8.6	1278.94	241
	I	2.500	3.62	8.7	1281.20	89
4800	D	5.500	3.60	8.6	1279.12	231
	I	2.500	3.60	8.6	1281.26	92
5300	D	5.500	3.57	8.5	1279.34	238
	I	2.500	3.77	8.4	1281.32	87
5850	D	5.500	3.58	8.6	1279.58	236
	I	2.500	3.86	8.3	1281.40	86

INTERCEPTOR CHANNELS ONLY
(COE AND ADOT)

SECTION NUMBER	APPENDIX	FLOW (cfs)	VELOCITY (ft/sec)	DEPTH (ft)	WATER SURFACE ELEVATION	TOP WIDTH (ft)
5900	D	5.500	3.54	8.6	1279.61	239
	F	5.500	3.09	13.1	1279.61	245
	I	2.500	3.89	8.2	1281.41	86
6010	D	5.500	3.51	8.7	1279.66	239
	F	5.500	2.16	12.7	1279.72	445
	I	2.500	3.89	8.2	1281.43	86
6117	D	5.500	2.18	8.2	1279.77	352
	F	5.500	2.52	10.3	1279.73	491
	I	2.500	3.81	8.3	1281.46	123
6337	D	5.500	4.72	8.5	1279.67	188
	F	4.697	2.48	10.3	1279.79	307
	I	3.303	5.21	8.1	1281.37	108
6557	D	4.070	2.84	8.6	1280.02	214
	F	4.070	1.59	10.3	1279.88	327
	I	3.930	6.33	7.9	1281.31	112
6777	D	3.000	2.45	8.9	1280.11	186
	F	3.575	1.29	10.2	1279.91	330
	I	4.425	7.28	7.8	1281.29	110
6997	D	2.200	2.75	8.4	1280.14	142
	F	3.168	0.61	10.1	1279.93	626
	I	4.832	8.06	7.7	1281.31	110
7217	D	1.510	1.82	8.6	1280.26	151
	F	2.850	2.70	9.7	1279.88	138
	I	5.150	8.55	7.7	1281.41	110
7329	F	2.850	2.69	9.7	1279.91	138
	I	5.150	8.41	7.8	1281.54	86
7431	F	2.850	3.23	9.0	1279.91	116
	I	5.150	8.26	8.0	1281.73	86
7452	I	5.150	8.06	8.2	1281.90	86
7455	F	2.850	4.43	8.9	1279.85	79
7458	I	5.150	8.06	8.2	1281.91	86
7499	I	5.150	8.38	8.1	1281.94	83
7532	I	5.150	8.31	8.2	1282.00	84
7575	F	2.850	4.21	9.3	1280.29	79

INTERCEPTOR CHANNELS ONLY
(COE AND ADOT)

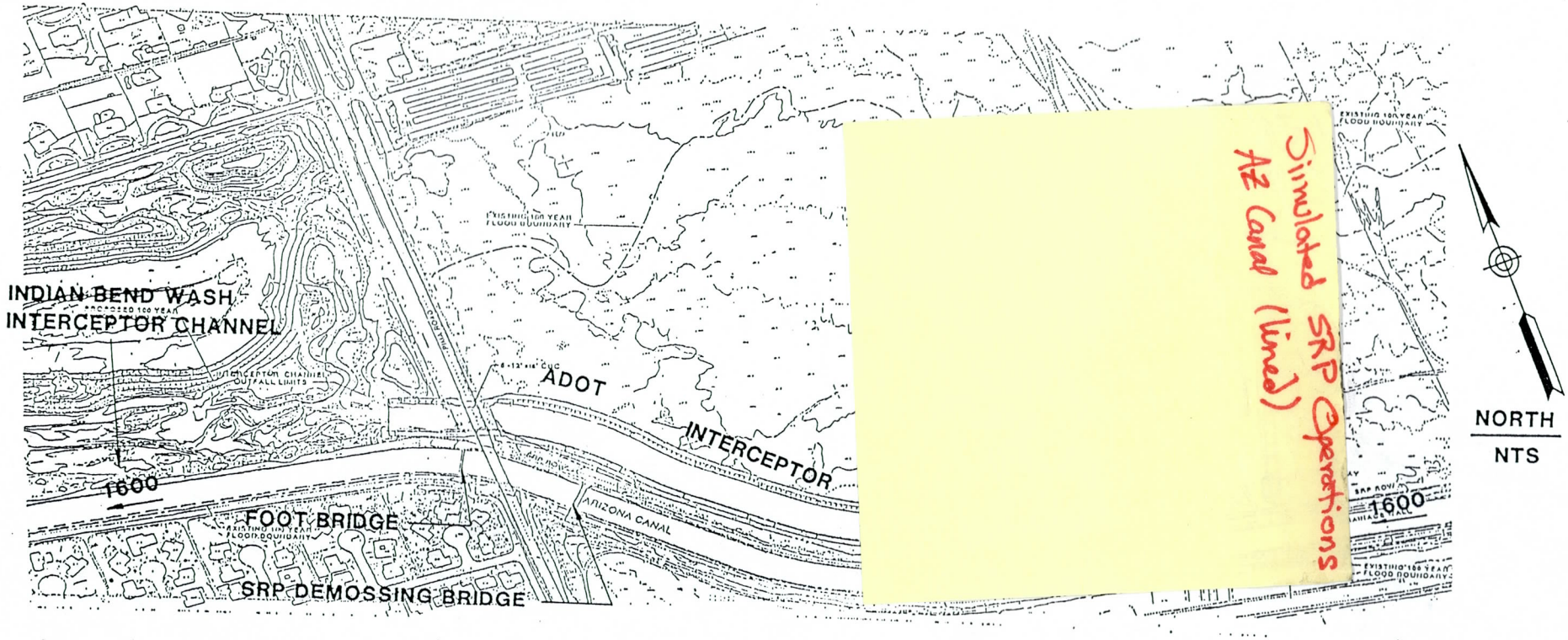
SECTION NUMBER	APPENDIX	FLOW (cfs)	VELOCITY (ft/sec)	DEPTH (ft)	WATER SURFACE ELEVATION	TOP WIDTH (ft)
7680	H	8,000	5.38	11.2	1282.44	466
	H	9,600	6.12	11.4	1282.60	563
	H	9,830	5.80	11.6	1282.80	685
	I	8,000	4.31	11.8	1283.02	807
7695	F	2,850	2.59	9.3	1280.49	137
7760	H	8,000	5.08	11.3	1282.57	544
	H	9,600	5.52	11.6	1282.83	704
	H	9,830	5.21	11.7	1283.02	810
	I	8,000	4.10	11.8	1283.11	815
7772	F	2,850	2.61	9.2	1280.49	137
	H	8,000	5.84	11.2	1282.48	145
	H	9,600	6.89	11.4	1282.65	145
	H	9,830	6.94	11.5	1282.80	146
	I	8,000	5.56	11.7	1282.96	147
8100	F	2,850	2.72	8.9	1280.51	136
	H	8,000	3.67	11.3	1282.96	816
	H	9,600	3.77	11.7	1283.37	942
	H	9,830	3.63	11.9	1283.55	991
	I	8,000	3.08	11.8	1283.43	956
8600	F	2,850	2.90	8.4	1280.54	134
	H	8,000	3.47	11.1	1283.24	848
	H	9,600	3.57	11.5	1283.66	977
	H	9,830	3.46	11.7	1283.81	1023
	I	8,000	3.02	11.5	1283.62	964
8700	F	2,850	2.94	8.3	1280.55	133
	H	8,000	3.56	11.0	1283.28	850
	H	9,600	3.64	11.5	1283.71	1003
	H	9,830	2.54	11.7	1283.91	1170
	I	8,000	2.99	11.4	1283.66	1023
8920	F	2,838	3.01	8.1	1280.57	132
	H	8,000	3.33	11.0	1283.42	960
	H	9,600	3.39	11.4	1283.84	1069
	H	9,830	3.33	11.5	1283.95	1096
	I	8,000	2.94	11.3	1283.74	1043
9140	F	2,560	2.78	7.9	1280.61	132
	H	8,000	3.30	10.8	1283.53	985
	H	9,600	3.34	11.3	1283.95	1095
	H	9,830	3.30	11.4	1284.05	1109
	I	8,000	2.93	11.1	1283.82	1062

INTERCEPTOR CHANNELS ONLY
(COE AND ADOT)

SECTION NUMBER	APPENDIX	FLOW (cfs)	VELOCITY (ft/sec)	DEPTH (ft)	WATER SURFACE ELEVATION	TOP WIDTH (ft)
9360	F	2,222	2.48	7.8	1280.65	131
	H	8,000	3.61	10.7	1283.62	923
	H	9,600	2.61	11.2	1284.08	1127
	H	9,830	2.60	11.3	1284.17	1139
	I	8,000	3.65	11.0	1283.87	895
9460	F	1,804	2.03	7.7	1280.69	131
	H	8,000	4.02	10.7	1283.65	823
	H	9,600	2.80	11.1	1284.09	1047
	H	9,830	2.79	11.2	1284.18	1068
	I	8,000	3.59	10.9	1283.93	913
9600	F	1,750	2.13	7.6	1280.70	157
	H	8,000	3.70	10.6	1283.74	297
	H	9,600	4.26	10.9	1284.04	297
	H	9,830	4.31	11.0	1284.12	297
	I	8,000	5.49	10.7	1283.81	210
9770	F	1,750	2.17	7.4	1280.71	158
	H	8,000	3.72	10.5	1283.76	297
	H	9,600	4.28	10.8	1284.07	297
	H	9,830	4.33	10.8	1284.16	297
	I	8,000	5.52	10.6	1283.87	210
9800	F	1,750	0.28	7.5	1280.79	1612
	H	8,000	0.65	10.7	1283.99	1765
	H	9,600	0.74	11.0	1284.37	1771
	H	9,830	0.75	11.1	1284.47	1773
	I	8,000	0.65	11.0	1284.38	1684
9885	F	1,750	5.89	1.7	1281.70	283
	H	8,000	4.05	9.1	1283.82	720
	H	9,600	4.26	9.5	1284.18	830
	H	9,830	4.20	9.6	1284.28	875
	I	8,000	5.68	4.0	1284.04	682
9900	F	8,000	7.48	3.6	1283.89	643
	H	8,000	4.65	9.0	1283.79	716
	H	9,600	4.80	9.4	1284.16	798
	H	9,830	4.72	9.5	1284.26	829
	I	8,000	7.51	3.6	1283.88	642
10000	F	8,000	4.83	4.4	1284.67	867
	H	8,000	4.41	9.1	1283.92	735
	H	9,600	4.55	9.5	1284.30	840
	H	9,830	4.48	9.6	1284.39	870
	I	8,000	4.83	4.4	1284.67	868

INTERCEPTOR CHANNELS ONLY
(COE AND ADOT)

SECTION NUMBER	APPENDIX	FLOW (cfs)	VELOCITY (ft/sec)	DEPTH (ft)	WATER SURFACE ELEVATION	TOP WIDTH (ft)
10600	F	8,000	3.07	3.8	1285.77	1228
	I	8,000	1.38	10.0	1284.95	1106
11100	F	8,000	2.33	5.0	1286.29	1339
	I	8,000	1.32	10.1	1285.29	1244
11200	F	8,000	2.31	4.4	1286.35	1349
	I	8,000	0.98	5.1	1287.05	1550
11400	F	8,000	1.13	11.0	1286.34	1420
	I	8,000	1.00	11.8	1287.07	1500
11900	F	8,000	1.13	10.9	1286.42	1430
	I	8,000	1.01	11.6	1287.12	1500
12300	F	8,000	1.13	10.9	1286.49	1437
	I	8,000	1.00	11.6	1287.16	1528
12400	F	8,000	1.11	10.8	1286.50	1530
	I	8,000	0.97	11.5	1287.17	1680
12900	F	8,000	1.14	10.7	1286.58	1448
	I	8,000	1.02	11.3	1287.22	1500
13200	F	8,000	1.14	10.6	1286.63	1455
	I	8,000	1.00	11.2	1287.24	1587
13600	F	8,000	1.14	10.5	1286.69	1462
	I	8,000	1.02	11.1	1287.28	1550
13700	F	8,000	2.02	4.6	1286.80	1384
	I	8,000	1.02	11.1	1287.30	1531
13800	F	8,000	2.00	4.7	1286.85	1388
	I	8,000	1.02	11.1	1287.31	1532



Simulated SRP Operations
AZ Canal (lined)

PROFILE I

Q:1600 CFS,SRP OPERATING FLOW

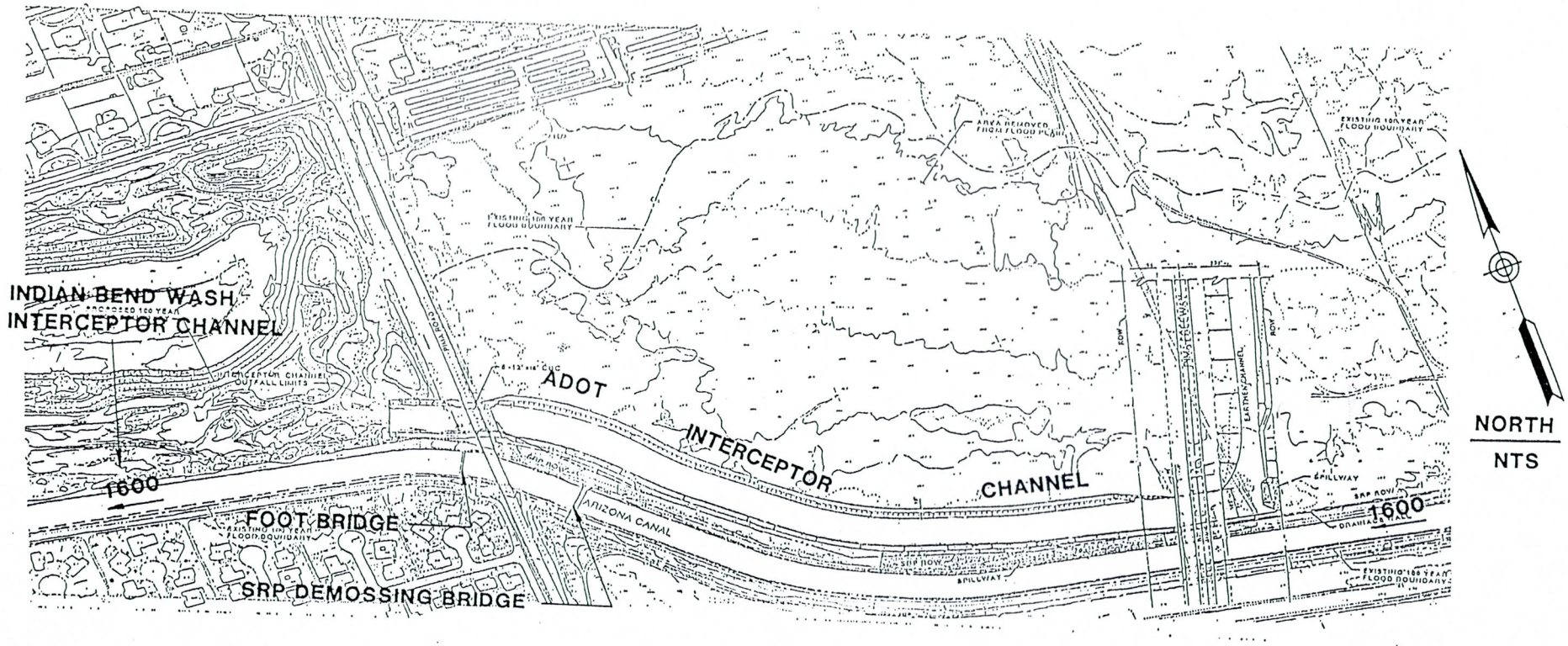
LEGEND

1600 FLOW,CFS,SRP OPERATING FLOW

FLOW PATH

APPENDIX G (PROFILE I)

HEC-2 COMPUTER MODEL
SIMULATED SRP OPERATIONS
ARIZONA CANAL (LINED)



PROFILE I

Q:1600 CFS,SRP OPERATING FLOW

LEGEND

1600 FLOW,CFS,SRP OPERATING FLOW

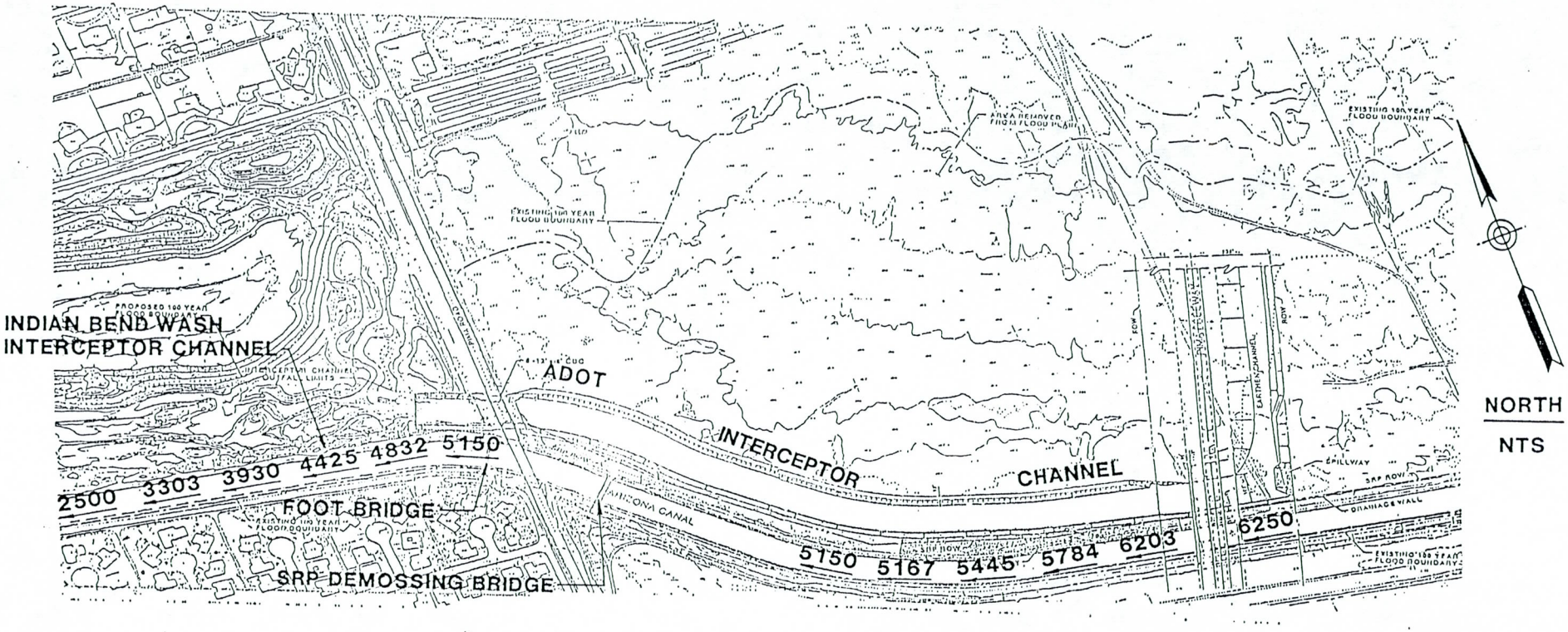
FLOW PATH

APPENDIX G (PROFILE I)

HEC-2 COMPUTER MODEL

SIMULATED SRP OPERATIONS

ARIZONA CANAL (LINED)



LEGEND

5150 FLOW,CFS,ADOT CONCEPT

FLOW PATH

PROFILE 2

Q:2500 CFS THRU Q:5150 CFS } DOWNSTREAM OF PIMA ROAD

Q:5150 CFS THRU Q:6250 CFS } UPSTREAM OF PIMA ROAD

APPENDIX G (PROFILE 2)

HEC-2 COMPUTER MODEL

SIMULATED ADOT CONCEPT

ARIZONA CANAL (LINED)

```
****************************************************
*  WATER SURFACE PROFILES                          *
*  VERSION OF SEPTEMBER 1988                       *
*                                                  *
*                                                  *
*  RUN DATE     9/26/90   TIME   14:46:35          *
****************************************************
```

```
*************************************
*  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 9/26/90 14:46:35

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

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

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

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

THIS FILE IS NAMED: APNEWGF.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

PROFILE 1 Q = 1600 CFS SRP OPERATING FLOW

PROFILE 2 Q = 2500 CFS ADOT DESIGN FLOWS FOR ARIZONA
THRU CANAL ONLY
Q = 6250 CFS

```
T1      ARIZONA CANAL AND SPILLWAYS
T2      CORPS OF ENGINEERS DATUM
T3      ARIZONA CANAL-SRP OPERATING CONDITIONS

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        2      1600      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       2      1600      2500
X1  6117.0         5         0      88.3       107       107       107
X3      10
GR  1284.2         0    1273.2        11    1273.2        81    1280.5      88.3    1279.5       111

QT       2      1600      3303
X1  6337.0         5         0      88.3       220       220       220
X3      10
GR  1284.2         0    1273.3        11    1273.3        81    1280.6      88.3    1279.6       111

QT       2      1600      3930
X1  6557.0         5         0      88.3       220       220       220
X3      10
GR  1284.5         0    1273.4        11    1273.4        81    1280.7      88.3    1279.7     115.4

QT       2      1600      4425
X1  6777.0         5         0      88.3       220       220       220
X3      10
GR  1284.5         0    1273.5        11    1273.5        81    1280.8      88.3    1279.8     113.5

QT       2      1600      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    1280.9      88.6    1279.9     113.5

        END COE SPILLWAY UPSTREAM

QT       2      1600      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    1281.0      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       2     1600     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       2     1600     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       2      1600      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       2      1600      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       2      1600      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       2      1600      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       2      1600      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
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
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	1283.2	100
GR	1282.0	230	1283.0	590	1284.0	850	1285.0	1190	1286.0	1380
GR	1287.0	1500	1288.0	1680						
NH	2	0.018	89.5	0.030	1680					
X1	12400.	11	0	89.5	100	100	100			
X3	10									
GR	1287.2	0	1275.7	11.5	1275.7	81.5	1283.7	89.5	1283.3	100
GR	1282.0	230	1283.0	590	1284.0	850	1285.0	1190	1286.0	1380
GR	1287.0	1680								
NH	2	0.018	89.5	0.030	1500					
X1	12900.	12	0	89.5	500	500	500			
X3	10									
GR	1287.4	0	1275.9	11.5	1275.9	81.5	1283.9	89.5	1283.4	100
GR	1282.2	230	1283.0	590	1284.0	850	1285.0	1190	1285.5	1270
GR	1286.0	1380	1287.0	1500						

CENTERLINE OF DOBSON ROAD EXTENDED AND 96TH STREET EXTENDED

NH	2	0.018	89	0.030	1680					
X1	13200.	12	0	89	300	300	300			
X3	10									
GR	1287.0	0	1276.0	11	1276.0	81	1284.0	89	1283.5	100
GR	1282.3	230	1283.0	590	1284.0	850	1285.0	1190	1286.0	1380
GR	1287.0	1500	1287.5	1680						
NH	2	0.018	89	0.030	1680					
X1	13600.	12	0	89	400	400	400			
X3	10									
GR	1287.0	0	1276.2	11	1276.2	81	1284.2	89	1283.7	100
GR	1282.2	230	1283.0	590	1284.0	850	1285.0	1190	1286.0	1380
GR	1287.0	1500	1288.0	1680						

END ARIZONA CANAL SPILLWAY # 2 DOWNSTREAM NORTH BANK (ESTIMATED)

```
NH       2     0.018        92     0.030      1680
X1   13700.        12         0        92       100       100       100
X3      10
GR   1287.1         0    1276.2        11    1276.2        81    1287.2        92    1283.6       100
GR   1282.2       230    1283.0       590    1284.0       850    1285.0      1190    1286.0      1380
GR   1287.0      1500    1288.7      1680

X1   13800.         0         0         0       100       100       100
X3      10
```

```
   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  1280.65      .15      .00      .00  1281.40
    1600.       0.    1600.       0.       0.     510.       0.       0.       0.   1281.40
      .00      .00     3.14      .00     .000     .018     .000     .000  1271.40    20.00
  .000111       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=      3.1
  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  1280.65      .15      .00      .00  1281.40
    1600.       0.    1600.       0.       0.     510.       0.       0.       0.   1281.40
      .00      .00     3.14      .00     .000     .018     .000     .000  1271.40    20.00
  .000111      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=    509.7
    VEL=      3.1
  DEPTH=      9.1
```

```
   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     9.19  1280.59      .00      .00  1280.66      .08      .00      .01  1281.40
    1600.       0.    1600.       0.       0.     728.       0.       1.       0.   1281.40
      .00      .00     2.20      .00     .000     .018     .000     .000  1271.40      .81
  .000048      26.      26.      26.        2        0        0      .00    88.38    89.19


FLOW DISTRIBUTION FOR SECNO=    631.20          CWSEL=   1280.59

STA=       1.      90.
  PER Q=    100.0
   AREA=    727.7
    VEL=      2.2
  DEPTH=      8.2

#SECNO 1000.000

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

  1000.00     9.11  1280.61      .00      .00  1280.68      .08      .02      .00  1281.40
    1600.       0.    1600.       0.       0.     722.       0.       7.       1.   1281.40
      .05      .00     2.22      .00     .000     .018     .000     .000  1271.50      .80
  .000049     369.     369.     369.        1        0        0      .00    88.41    89.20


FLOW DISTRIBUTION FOR SECNO=   1000.00          CWSEL=   1280.61

STA=       1.      90.
  PER Q=    100.0
   AREA=    721.7
    VEL=      2.2
  DEPTH=      8.2

#SECNO 1200.000
```

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


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

  1200.00     9.12  1280.62      .00      .00  1280.69      .08      .01      .00  1281.40
    1600.       0.    1600.       0.       0.     722.       0.      10.       1.   1281.40
      .08      .00     2.22      .00     .000     .018     .000     .000  1271.50      .79
  .000049     200.     200.     200.        0        0        0      .00    88.42    89.21


FLOW DISTRIBUTION FOR SECNO=   1200.00          CWSEL=  -1280.62

STA=       1.      90.
  PER Q=    100.0
   AREA=    722.0
    VEL=      2.2
  DEPTH=      8.2

*SECNO 1600.000

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

  1600.00     9.03  1280.63      .00      .00  1280.71      .08      .02      .00  1281.70
    1600.       0.    1600.       0.       0.     715.       0.      17.       2.   1281.20
      .13      .00     2.24      .00     .000     .018     .000     .000  1271.60     1.05
  .000050     400.     400.     400.        0        0        0      .00    88.36    89.41


FLOW DISTRIBUTION FOR SECNO=   1600.00          CWSEL=   1280.63

STA=       1.      90.
  PER Q=    100.0
   AREA=    715.4
    VEL=      2.2
  DEPTH=      8.1

CCHV=     .300 CEHV=     .500
*SECNO 1895.000

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


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     8.95  1280.65      .00      .00  1280.73      .09      .02      .00  1283.20
    1600.       0.    1600.       0.       0.     678.       0.      21.       3.   1283.30
      .16      .00     2.36      .00     .000     .018     .000     .000  1271.70     9.16
  .000071     295.     295.     295.        0        0        0      .00    81.62    92.09


FLOW DISTRIBUTION FOR SECNO=   1895.00          CWSEL=   1280.65

STA=       9.      94.
  PER Q=    100.0
   AREA=    678.5
    VEL=      2.4
  DEPTH=      8.3

#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     8.95  1280.65      .00      .00  1280.74      .09      .01      .00  1283.20
    1600.       0.    1600.       0.       0.     679.       0.      23.       3.   1283.30
      .17      .00     2.36      .00     .000     .018     .000     .000  1271.70     9.16
  .000071      90.      90.      90.        0        0        0      .00    81.63    92.09


FLOW DISTRIBUTION FOR SECNO=   1985.00          CWSEL=   1280.65

STA=       9.      94.
  PER Q=    100.0
   AREA=    678.8
    VEL=      2.4
  DEPTH=      8.3
```

```
   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     8.79  1280.69      .00      .00  1280.77      .08      .03      .00  1283.30
    1600.       0.    1600.       0.       0.     692.       0.      31.       4.  1281.60
      .23      .00     2.31      .00     .000     .018     .000     .000  1271.90     2.61
  .000055     515.     515.     515.        0        0        0      .00    87.49    90.10


FLOW DISTRIBUTION FOR SECNO=   2500.00          CWSEL=   1280.69

STA=       3.      91.
  PER Q=    100.0
   AREA=    692.3
    VEL=      2.3
  DEPTH=      7.9

*SECNO 2900.000

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

  2900.00     8.71  1280.71      .00      .00  1280.80      .09      .02      .00  1282.90
    1600.       0.    1600.       0.       0.     678.       0.      37.       5.  1281.00
      .28      .00     2.36      .00     .000     .018     .000     .000  1272.00     2.18
  .000058     400.     400.     400.        0        0        0      .00    86.53    88.72


FLOW DISTRIBUTION FOR SECNO=   2900.00          CWSEL=   1280.71

STA=       2.      89.
  PER Q=    100.0
   AREA=    678.2
    VEL=      2.4
  DEPTH=      7.8

*SECNO 3155.100

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


 3155.10     8.63  1280.73      .00      .00  1280.81      .09      .01      .00  1282.90
   1600.       0.    1600.       0.       0.     681.       0.      41.       5.   1281.60
     .31      .00     2.35      .00     .000     .018     .000     .000  1272.10     2.01
 .000058     255.     255.     255.        0        0        0      .00    87.97    89.99


FLOW DISTRIBUTION FOR SECNO=   3155.10          CWSEL=   1280.73

STA=       2.      91.
  PER Q=    100.0
   AREA=    681.3
    VEL=      2.3
  DEPTH=      7.7

*SECNO 3365.000

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

 3365.00     8.54  1280.74      .00      .00  1280.82      .09      .01      .00  1282.90
   1600.       0.    1600.       0.       0.     678.       0.      44.       6.   1281.60
     .33      .00     2.36      .00     .000     .018     .000     .000  1272.20     2.22
 .000060     210.     210.     210.        0        0        0      .00    88.77    90.99


FLOW DISTRIBUTION FOR SECNO=   3365.00          CWSEL=   1280.74

STA=       2.      92.
  PER Q=    100.0
   AREA=    677.9
    VEL=      2.4
  DEPTH=      7.6

*SECNO 4000.000

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

 4000.00     8.37  1280.77      .00      .00  1280.87      .09      .04      .00  1283.10
   1600.       0.    1600.       0.       0.     656.       0.      54.       7.   1282.70
     .41      .00     2.44      .00     .000     .018     .000     .000  1272.40     2.39
 .000065     635.     635.     635.        0        0        0      .00    86.74    89.13
```

```
   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=   1280.77

STA=       2.      91.
  PER Q=    100.0
   AREA=    656.4
    VEL=      2.4
  DEPTH=      7.6

#SECNO 4350.000

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

  4350.00     8.30  1280.80      .00      .00  1280.89      .09      .02      .00  1282.80
    1600.       0.    1600.       0.       0.     656.       0.      59.       7.   1283.30
      .45      .00     2.44      .00     .000     .018     .000     .000  1272.50     1.95
  .000066     350.     350.     350.        0        0        0      .00    88.04    89.99


FLOW DISTRIBUTION FOR SECNO=   4350.00         CWSEL=   1280.80

STA=       2.      93.
  PER Q=    100.0
   AREA=    655.5
    VEL=      2.4
  DEPTH=      7.4

#SECNO 4800.000

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

  4800.00     8.13  1280.83      .00      .00  1280.92      .09      .03      .00  1282.40
    1600.       0.    1600.       0.       0.     655.       0.      66.       8.   1282.20
      .50      .00     2.44      .00     .000     .018     .000     .000  1272.70     1.62
  .000068     450.     450.     450.        0        0        0      .00    91.21    92.83


FLOW DISTRIBUTION FOR SECNO=   4800.00         CWSEL=   1280.83

STA=       2.      95.
  PER Q=    100.0
   AREA=    655.0
    VEL=      2.4
  DEPTH=      7.2
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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     7.96  1280.86      .00      .00  1280.96      .10      .04      .00  1283.10
    1600.       0.    1600.       0.       0.     622.       0.      73.       9.  1283.10
      .55      .00     2.57      .00     .000     .018     .000     .000  1272.90     2.42
  .000077     500.     500.     500.        0        0        0      .00    86.39    88.80


FLOW DISTRIBUTION FOR SECNO=   5300.00         CWSEL=   1280.86

STA=       2.      91.
  PER Q=    100.0
   AREA=    622.5
    VEL=      2.6
  DEPTH=      7.2

#SECNO 5850.000

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

  5850.00     7.80  1280.90      .00      .00  1281.00      .11      .04      .00  1283.80
    1600.       0.    1600.       0.       0.     605.       0.      81.      11.  1283.90
      .61      .00     2.64      .00     .000     .018     .000     .000  1273.10     2.99
  .000083     550.     550.     550.        0        0        0      .00    85.23    88.22


FLOW DISTRIBUTION FOR SECNO=   5850.00         CWSEL=   1280.90

STA=       3.      91.
  PER Q=    100.0
   AREA=    605.1
    VEL=      2.6
  DEPTH=      7.1

#SECNO 5900.000

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

  5900.00     7.70  1280.90      .00      .00  1281.01      .11      .00      .00  1284.20
    1600.       0.    1600.       0.       0.     598.       0.      82.      11.  1284.00
      .62      .00     2.67      .00     .000     .018     .000     .000  1273.20     3.30
  .000086      50.      50.      50.        0        0        0      .00    85.40    88.70
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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=   5900.00         CWSEL=   1280.90

STA=       3.      92.
  PER Q=    100.0
   AREA=    598.3
    VEL=      2.7
  DEPTH=      7.0

*SECNO 6010.000

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

  6010.00     7.71  1280.91      .00      .00  1281.02      .11      .01      .00  1284.20
    1600.       0.    1600.       0.       0.     599.       0.      83.      11.   1284.00
      .63      .00     2.67      .00     .000     .018     .000     .000  1273.20     3.29
  .000086     110.     110.     110.        0        0        0      .00    85.42    88.71


FLOW DISTRIBUTION FOR SECNO=   6010.00         CWSEL=   1280.91

STA=       3.      92.
  PER Q=    100.0
   AREA=    598.9
    VEL=      2.7
  DEPTH=      7.0

*SECNO 6117.000
3280 CROSS SECTION   6117.00 EXTENDED      1.42 FEET


3495 OVERBANK AREA ASSUMED NON-EFFECTIVE. ELLEA=      1284.20 ELREA=      1280.50

  6117.00     7.72  1280.92      .00      .00  1281.03      .11      .01      .00  1284.20
    1600.       0.    1591.       9.       0.     600.      21.      85.      11.   1280.50
      .64      .00     2.65      .41     .000     .018     .030     .000  1273.20     3.28
  .000084     107.     107.     107.        0        0        0      .00   107.72   111.00


FLOW DISTRIBUTION FOR SECNO=   6117.00         CWSEL=   1280.92
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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=       3.      88.     111.
  PER Q=     99.5       .5
   AREA=    599.7     20.8
    VEL=      2.7       .4
  DEPTH=      7.1       .9

#SECNO 6337.000
3280 CROSS SECTION   6337.00 EXTENDED      1.34 FEET


3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA=      1284.20 ELREA=      1280.60

  6337.00     7.64  1280.94      .00      .00  1281.05      .11      .02      .00  1284.20
    1600.       0.    1592.       8.       0.     593.      19.      88.      12.  1280.60
      .66      .00     2.68      .40     .000     .018     .030     .000  1273.30     3.29
  .000087     220.     220.     220.        0        0        0      .00   107.71   111.00


FLOW DISTRIBUTION FOR SECNO=   6337.00          CWSEL=   1280.94

STA=       3.      88.     111.
  PER Q=     99.5       .5
   AREA=    593.2     19.0
    VEL=      2.7       .4
  DEPTH=      7.0       .8

#SECNO 6557.000
3280 CROSS SECTION   6557.00 EXTENDED      1.26 FEET


3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA=      1284.50 ELREA=      1280.70

  6557.00     7.55  1280.95      .00      .00  1281.07      .11      .02      .00  1284.50
    1600.       0.    1592.       8.       0.     586.      20.      91.      12.  1280.70
      .68      .00     2.72      .38     .000     .018     .030     .000  1273.40     3.51
  .000091     220.     220.     220.        0        0        0      .00   111.89   115.40


FLOW DISTRIBUTION FOR SECNO=   6557.00          CWSEL=   1280.95
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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=       4.      88.     115.
  PER Q=     99.5       .5
   AREA=    585.7     20.5
    VEL=      2.7       .4
  DEPTH=      6.9       .8

#SECNO 6777.000
3280 CROSS SECTION   6777.00 EXTENDED      1.17 FEET


3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA=      1284.50 ELREA=      1280.80

  6777.00     7.47  1280.97      .00      .00  1281.09      .12      .02      .00  1284.50
    1600.       0.    1594.       6.       0.     579.      17.      94.      13.   1280.80
      .71      .00     2.75      .36     .000     .018     .030     .000  1273.50     3.53
  .000094     220.     220.     220.        0        0        0      .00   109.97   113.50


FLOW DISTRIBUTION FOR SECNO=   6777.00          CWSEL=   1280.97

STA=       4.      88.     114.
  PER Q=     99.6       .4
   AREA=    579.0     17.0
    VEL=      2.8       .4
  DEPTH=      6.8       .7

#SECNO 6997.000
3280 CROSS SECTION   6997.00 EXTENDED      1.09 FEET


3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA=      1285.00 ELREA=      1280.90

  6997.00     7.39  1280.99      .00      .00  1281.11      .12      .02      .00  1285.00
    1600.       0.    1595.       5.       0.     572.      15.      97.      13.   1280.90
      .73      .00     2.79      .34     .000     .018     .030     .000  1273.60     3.97
  .000098     220.     220.     220.        0        0        0      .00   109.53   113.50


FLOW DISTRIBUTION FOR SECNO=   6997.00          CWSEL=   1280.99
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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=       4.      89.     114.
  PER Q=     99.7       .3
   AREA=    571.9     14.7
    VEL=      2.8       .3
  DEPTH=      6.8       .6

#SECNO 7217.000
3280 CROSS SECTION   7217.00 EXTENDED      1.01 FEET


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

  7217.00     7.31  1281.01      .00      .00  1281.13      .12      .02      .00  1285.00
    1600.       0.    1596.       4.       0.     565.      13.     100.      14.  1281.00
      .75      .00     2.82      .31     .000     .018     .030     .000  1273.70     3.99
  .000102     220.     220.     220.        0        0        0      .00   109.81   113.80


FLOW DISTRIBUTION FOR SECNO=   7217.00          CWSEL=   1281.01

STA=       4.      89.     114.
  PER Q=     99.7       .3
   AREA=    565.3     12.9
    VEL=      2.8       .3
  DEPTH=      6.7       .5

#SECNO 7329.000

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

  7329.00     7.32  1281.02      .00      .00  1281.15      .12      .01      .00  1285.00
    1600.       0.    1600.       0.       0.     568.       0.     102.      14.  1284.00
      .76      .00     2.82      .00     .000     .018     .000     .000  1273.70     3.98
  .000101     112.     112.     112.        0        0        0      .00    85.14    89.12


FLOW DISTRIBUTION FOR SECNO=   7329.00          CWSEL=   1281.02

STA=       4.      92.
  PER Q=    100.0
   AREA=    568.0
    VEL=      2.8
  DEPTH=      6.7
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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 7431.000

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

  7431.00     7.34  1281.04      .00      .00  1281.16      .12      .02      .00  1285.00
    1600.       0.    1600.       0.       0.     568.       0.     104.      14.   1284.70
      .78      .00     2.82      .00     .000     .018     .000     .000  1273.70     3.96
  .000101     180.     180.     180.        0        0        0      .00    84.68    88.64


FLOW DISTRIBUTION FOR SECNO=   7431.00         CWSEL=   1281.04

STA=       4.      92.
  PER Q=    100.0
   AREA=    567.8
    VEL=      2.8
  DEPTH=      6.7

#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     7.36  1281.06      .00      .00  1281.18      .12      .02      .00  1285.00
    1600.       0.    1600.       0.       0.     567.       0.     106.      15.   1284.70
      .79      .00     2.82      .00     .000     .018     .000     .000  1273.70     4.12
  .000101     161.     161.     161.        0        0        0      .00    84.54    88.66


FLOW DISTRIBUTION FOR SECNO=   7452.00         CWSEL=   1281.06

STA=       4.      92.
  PER Q=    100.0
   AREA=    566.6
    VEL=      2.8
  DEPTH=      6.7

#SECNO 7458.000
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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


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     7.36  1281.06      .00      .00  1281.18      .12      .00      .00  1285.00
    1600.       0.    1600.       0.       0.     567.       0.     106.      15.   1284.70
      .79      .00     2.82      .00     .000     .018     .000     .000  1273.70     4.12
  .000101       6.       6.       6.        0        0        0      .00    84.54    88.66


FLOW DISTRIBUTION FOR SECNO=   7458.00          CWSEL=   1281.06

STA=       4.      92.
  PER Q=    100.0
   AREA=    566.7
    VEL=      2.8
  DEPTH=      6.7

CCHV=     .300 CEHV=     .500
*SECNO 7499.000

3265 DIVIDED FLOW

3280 CROSS SECTION   7499.00 EXTENDED      2.07 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

  7499.00     7.26  1281.06      .00      .00  1281.20      .14      .01      .01  1285.00
    1600.       0.    1600.       0.       0.     542.       0.     107.      15.   1285.00
      .80      .00     2.95      .00     .000     .018     .000     .000  1273.80     3.93
  .000165      80.      80.      80.        0        0        0      .00    81.71    88.24


FLOW DISTRIBUTION FOR SECNO=   7499.00          CWSEL=   1281.06
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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=       4.      92.
  PER Q=    100.0
   AREA=    542.0
    VEL=      3.0
  DEPTH=      6.6

*SECNO 7532.000

3265 DIVIDED FLOW

3280 CROSS SECTION   7532.00 EXTENDED      2.07 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     7.27  1281.07      .00      .00  1281.20      .14      .01      .00  1285.00
    1600.       0.    1600.       0.       0.     542.       0.     107.      15.   1285.00
      .81      .00     2.95      .00     .000     .018     .000     .000  1273.80     3.93
  .000165      33.      33.      33.        0        0        0      .00    81.71    88.24


FLOW DISTRIBUTION FOR SECNO=   7532.00         CWSEL=   1281.07

STA=       4.      92.
  PER Q=    100.0
   AREA=    542.1
    VEL=      3.0
  DEPTH=      6.6

CCHV=     .100 CEHV=     .300
*SECNO 7680.000

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

  7680.00     7.19  1281.09      .00      .00  1281.22      .13      .02      .00  1285.00
    1600.       0.    1600.       0.       0.     555.       0.     109.      15.   1285.00
      .82      .00     2.88      .00     .000     .018     .000     .000  1273.90     3.94
  .000108     148.     148.     148.        0        0        0      .00    84.38    88.33
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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=   7680.00         CWSEL=   1281.09

STA=       4.      92.
  PER Q=    100.0
   AREA=    555.1
    VEL=      2.9
  DEPTH=      6.6

CCHV=     .300 CEHV=     .500
*SECNO 7760.000

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

  7760.00     7.10  1281.10      .00      .00  1281.23      .13      .01      .00  1285.00
    1600.       0.    1600.       0.       0.     548.       0.     110.      15.   1285.00
      .83      .00     2.92      .00     .000     .018     .000     .000  1274.00     3.90
  .000113      80.      80.      80.        0        0        0      .00    84.21    88.10


FLOW DISTRIBUTION FOR SECNO=   7760.00         CWSEL=   1281.10

STA=       4.      92.
  PER Q=    100.0
   AREA=    547.8
    VEL=      2.9
  DEPTH=      6.5

*SECNO 7772.000

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     7.10  1281.10      .00      .00  1281.24      .13      .00      .00  1285.00
    1600.       0.    1600.       0.       0.     547.       0.     111.      15.   1284.70
      .83      .00     2.93      .00     .000     .018     .000     .000  1274.00     4.17
  .000113      12.      12.      12.        0        0        0      .00    83.93    88.10
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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=   7772.00         CWSEL=   1281.10

STA=       4.      92.
  PER Q=    100.0
   AREA=    546.6
    VEL=      2.9
  DEPTH=      6.5

CCHV=     .100 CEHV=     .300
*SECNO 8100.000

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

  8100.00     7.04  1281.14      .00      .00  1281.27      .14      .04      .00  1285.60
    1600.       0.    1600.       0.       0.     543.       0.     115.      16.   1285.00
      .86      .00     2.95      .00     .000     .018     .000     .000  1274.10     4.46
  .000116     328.     328.     328.        0        0        0      .00    84.14    88.60


FLOW DISTRIBUTION FOR SECNO=   8100.00         CWSEL=   1281.14

STA=       4.      93.
  PER Q=    100.0
   AREA=    542.5
    VEL=      2.9
  DEPTH=      6.4

*SECNO 8600.000

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

  8600.00     7.00  1281.20      .00      .00  1281.33      .14      .06      .00  1285.70
    1600.       0.    1600.       0.       0.     539.       0.     121.      17.   1285.20
      .91      .00     2.97      .00     .000     .018     .000     .000  1274.20     4.50
  .000119     500.     500.     500.        0        0        0      .00    83.99    88.50


FLOW DISTRIBUTION FOR SECNO=   8600.00         CWSEL=   1281.20

STA=       5.      93.
  PER Q=    100.0
   AREA=    538.6
    VEL=      3.0
  DEPTH=      6.4
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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


*SECNO 8700.000

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

 8700.00     6.91  1281.21      .00      .00  1281.35      .14      .01      .00  1285.80
   1600.       0.    1600.       0.       0.     531.       0.     122.      17.   1283.80
     .91      .00     3.01      .00     .000     .018     .000     .000  1274.30     4.59
 .000124     100.     100.     100.        0        0        0      .00    83.81    88.41


FLOW DISTRIBUTION FOR SECNO=   8700.00         CWSEL=   1281.21

STA=       5.      91.
  PER Q=    100.0
   AREA=    531.2
    VEL=      3.0
  DEPTH=      6.3

*SECNO 8920.000

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

 8920.00     6.83  1281.23      .00      .00  1281.37      .14      .03      .00  1286.00
   1600.       0.    1600.       0.       0.     525.       0.     125.      18.   1283.90
     .93      .00     3.05      .00     .000     .018     .000     .000  1274.40     4.73
 .000129     220.     220.     220.        0        0        0      .00    83.60    88.33


FLOW DISTRIBUTION FOR SECNO=   8920.00         CWSEL=   1281.23

STA=       5.      91.
  PER Q=    100.0
   AREA=    524.7
    VEL=      3.0
  DEPTH=      6.3

*SECNO 9140.000

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

 9140.00     6.76  1281.26      .00      .00  1281.40      .15      .03      .00  1286.00
   1600.       0.    1600.       0.       0.     521.       0.     127.      18.   1284.00
     .95      .00     3.07      .00     .000     .018     .000     .000  1274.50     5.15
 .000132     220.     220.     220.        0        0        0      .00    84.10    89.26
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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=   9140.00         CWSEL=   1281.26

STA=       5.      92.
  PER Q=    100.0
   AREA=    520.7
    VEL=      3.1
  DEPTH=      6.2

#SECNO 9360.000

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

  9360.00     6.68  1281.28      .00      .00  1281.44      .15      .03      .00  1287.00
    1600.       0.    1600.       0.       0.     513.       0.     130.      18.   1284.00
      .97      .00     3.12      .00     .000     .018     .000     .000  1274.60     5.76
  .000138     220.     220.     220.        0        0        0      .00    83.50    89.26


FLOW DISTRIBUTION FOR SECNO=   9360.00         CWSEL=   1281.28

STA=       6.      92.
  PER Q=    100.0
   AREA=    513.2
    VEL=      3.1
  DEPTH=      6.1

#SECNO 9460.000

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

  9460.00     6.70  1281.30      .00      .00  1281.45      .15      .01      .00  1287.00
    1600.       0.    1600.       0.       0.     514.       0.     131.      19.   1284.00
      .98      .00     3.11      .00     .000     .018     .000     .000  1274.60     5.75
  .000137     100.     100.     100.        0        0        0      .00    83.52    89.27


FLOW DISTRIBUTION FOR SECNO=   9460.00         CWSEL=   1281.30

STA=       6.      92.
  PER Q=    100.0
   AREA=    514.1
    VEL=      3.1
  DEPTH=      6.2
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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

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     6.72  1281.32      .00      .00  1281.47      .15      .02      .00  1287.10
    1600.       0.    1600.       0.       0.     516.       0.     133.      19.   1282.50
     1.00      .00     3.10      .00     .000     .018     .000     .000  1274.60     5.78
  .000136     140.     140.     140.        0        0        0      .00    83.52    89.30


FLOW DISTRIBUTION FOR SECNO=   9600.00         CWSEL=   1281.32

STA=       6.      91.
  PER Q=    100.0
   AREA=    515.7
    VEL=      3.1
  DEPTH=      6.2

#SECNO 9770.000

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

  9770.00     6.74  1281.34      .00      .00  1281.49      .15      .02      .00  1287.10
    1600.       0.    1600.       0.       0.     518.       0.     135.      19.   1282.50
     1.01      .00     3.09      .00     .000     .018     .000     .000  1274.60     5.76
  .000134     170.     170.     170.        0        0        0      .00    83.57    89.33


FLOW DISTRIBUTION FOR SECNO=   9770.00         CWSEL=   1281.34

STA=       6.      91.
  PER Q=    100.0
   AREA=    517.7
    VEL=      3.1
  DEPTH=      6.2
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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

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

  9900.00     6.55  1281.35      .00      .00  1281.51      .16      .02      .00  1286.80
    1600.       0.    1600.       0.       0.     503.       0.     136.      20.   1282.50
     1.02      .00     3.18      .00     .000     .018     .000     .000  1274.80     5.44
  .000147     130.     130.     130.        0        0        0      .00    83.38    88.82


FLOW DISTRIBUTION FOR SECNO=   9900.00          CWSEL=   1281.35

STA=       5.      90.
  PER Q=    100.0
   AREA=    503.1
    VEL=      3.2
  DEPTH=      6.0

#SECNO  10000.000

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

 10000.00     6.57  1281.37      .00      .00  1281.53      .16      .01      .00  1286.80
    1600.       0.    1600.       0.       0.     504.       0.     137.      20.   1282.50
     1.03      .00     3.18      .00     .000     .018     .000     .000  1274.80     5.43
  .000146     100.     100.     100.        0        0        0      .00    83.39    88.82


FLOW DISTRIBUTION FOR SECNO=  10000.00          CWSEL=   1281.37

STA=       5.      90.
  PER Q=    100.0
   AREA=    503.8
    VEL=      3.2
  DEPTH=      6.0

1490 NH CARD USED
#SECNO  10600.000

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE. ELLEA=      1287.00 ELREA=      1283.00
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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

 10600.00     6.46  1281.46      .00      .00  1281.62      .16      .09      .00  1287.00
    1600.       0.    1600.       0.       0.     494.       0.     144.      21.  1283.00
     1.08      .00     3.24      .00     .000     .018     .000     .000  1275.00     5.54
  .000155     600.     600.     600.        0        0        0      .00    82.92    88.46


FLOW DISTRIBUTION FOR SECNO=  10600.00          CWSEL=   1281.46

STA=       6.      90.
  PER Q=    100.0
   AREA=    493.8
    VEL=      3.2
  DEPTH=      6.0

1490 NH CARD USED
*SECNO  11100.000

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE. ELLEA=      1287.20 ELREA=      1283.20

 11100.00     6.33  1281.53      .00      .00  1281.70      .17      .08      .00  1287.20
    1600.       0.    1600.       0.       0.     483.       0.     150.      22.  1283.20
     1.12      .00     3.31      .00     .000     .018     .000     .000  1275.20     5.67
  .000166     500.     500.     500.        0        0        0      .00    82.66    88.33


FLOW DISTRIBUTION FOR SECNO=  11100.00          CWSEL=   1281.53

STA=       6.      90.
  PER Q=    100.0
   AREA=    483.3
    VEL=      3.3
  DEPTH=      5.8

1490 NH CARD USED
*SECNO  11200.000

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

 11200.00     6.35  1281.55      .00      .00  1281.72      .17      .02      .00  1286.70
    1600.       0.    1600.       0.       0.     483.       0.     151.      22.  1285.50
     1.13      .00     3.32      .00     .000     .018     .000     .000  1275.20     5.15
  .000166     100.     100.     100.        0        0        0      .00    82.08    87.23
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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=  11200.00         CWSEL=   1281.55

STA=       5.      91.
  PER Q=    100.0
   AREA=    482.6
    VEL=      3.3
  DEPTH=      5.9

1490 NH CARD USED
*SECNO  11400.000

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

 11400.00     6.28  1281.58      .00      .00  1281.75      .17      .03      .00  1286.80
    1600.       0.    1600.       0.       0.     477.       0.     153.      22.   1285.60
     1.15      .00     3.35      .00     .000     .018     .000     .000  1275.30     5.22
  .000171     200.     200.     200.        0        0        0      .00    81.95    87.17


FLOW DISTRIBUTION FOR SECNO=  11400.00         CWSEL=   1281.58

STA=       5.      91.
  PER Q=    100.0
   AREA=    477.2
    VEL=      3.4
  DEPTH=      5.8

1490 NH CARD USED
*SECNO  11900.000

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

 11900.00     6.16  1281.66      .00      .00  1281.84      .18      .09      .00  1287.00
    1600.       0.    1600.       0.       0.     468.       0.     159.      23.   1285.80
     1.19      .00     3.42      .00     .000     .018     .000     .000  1275.50     5.34
  .000183     500.     500.     500.        0        0        0      .00    81.73    87.06


FLOW DISTRIBUTION FOR SECNO=  11900.00         CWSEL=   1281.66
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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=       5.      91.
  PER Q=    100.0
   AREA=    467.5
    VEL=      3.4
  DEPTH=      5.7

1490 NH CARD USED
*SECNO  12300.000

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

 12300.00     6.13  1281.73      .00      .00  1281.92      .18      .07      .00  1287.10
    1600.       0.    1600.       0.       0.     465.       0.     163.      24.   1285.90
     1.22      .00     3.44      .00     .000     .018     .000     .000  1275.60     5.37
  .000186     400.     400.     400.        0        0        0      .00    81.67    87.04


FLOW DISTRIBUTION FOR SECNO=  12300.00          CWSEL=   1281.73

STA=       5.      91.
  PER Q=    100.0
   AREA=    465.1
    VEL=      3.4
  DEPTH=      5.7

1490 NH CARD USED
*SECNO  12400.000

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE. ELLEA=      1287.20 ELREA=      1283.70

 12400.00     6.05  1281.75      .00      .00  1281.94      .19      .02      .00  1287.20
    1600.       0.    1600.       0.       0.     460.       0.     164.      24.   1283.70
     1.23      .00     3.48      .00     .000     .018     .000     .000  1275.70     5.45
  .000193     100.     100.     100.        0        0        0      .00    82.10    87.55


FLOW DISTRIBUTION FOR SECNO=  12400.00          CWSEL=   1281.75

STA=       5.      90.
  PER Q=    100.0
   AREA=    460.3
    VEL=      3.5
  DEPTH=      5.6
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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  12900.000

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA=      1287.40 ELREA=      1283.90

 12900.00     5.94  1281.84      .00      .00  1282.04      .20      .10      .00  1287.40
    1600.       0.    1600.       0.       0.     451.       0.     169.      25.   1283.90
     1.27      .00     3.54      .00     .000     .018     .000     .000  1275.90     5.56
  .000205     500.     500.     500.        0        0        0      .00    81.89    87.44


FLOW DISTRIBUTION FOR SECNO=  12900.00         CWSEL=   1281.84

STA=       6.      90.
  PER Q=    100.0
   AREA=    451.5
    VEL=      3.5
  DEPTH=      5.5

1490 NH CARD USED
#SECNO  13200.000

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

 13200.00     5.90  1281.90      .00      .00  1282.10      .20      .06      .00  1287.00
    1600.       0.    1600.       0.       0.     448.       0.     172.      26.   1284.00
     1.29      .00     3.57      .00     .000     .018     .000     .000  1276.00     5.10
  .000209     300.     300.     300.        0        0        0      .00    81.81    86.90


FLOW DISTRIBUTION FOR SECNO=  13200.00         CWSEL=   1281.90

STA=       5.      89.
  PER Q=    100.0
   AREA=    448.1
    VEL=      3.6
  DEPTH=      5.5

1490 NH CARD USED
#SECNO  13600.000
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   SECNO    DEPTH    CWSEL    CRIWS    WSELK    EG       HV       HL       OLOSS   BANK ELEV
   Q        QLOB     QCH      QROB     ALOB     ACH      ARDB     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=      1287.00 ELREA=      1284.20

 13600.00     5.78  1281.98      .00      .00  1282.19      .21      .09      .00  1287.00
    1600.       0.    1600.       0.       0.     439.       0.     176.      27.   1284.20
     1.32      .00     3.65      .00     .000     .018     .000     .000  1276.20     5.11
  .000223     400.     400.     400.        0        0        0      .00    81.68    86.79


FLOW DISTRIBUTION FOR SECNO=  13600.00          CWSEL=   1281.98

STA=       5.      89.
  PER Q=    100.0
   AREA=    438.9
    VEL=      3.6
  DEPTH=      5.4

1490 NH CARD USED
*SECNO  13700.000

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA=      1287.10 ELREA=      1287.20

 13700.00     5.81  1282.01      .00      .00  1282.21      .21      .02      .00  1287.10
    1600.       0.    1600.       0.       0.     440.       0.     177.      27.   1287.20
     1.33      .00     3.63      .00     .000     .018     .000     .000  1276.20     5.14
  .000221     100.     100.     100.        0        0        0      .00    81.67    86.81


FLOW DISTRIBUTION FOR SECNO=  13700.00          CWSEL=   1282.01

STA=       5.      92.
  PER Q=    100.0
   AREA=    440.3
    VEL=      3.6
  DEPTH=      5.4

*SECNO  13800.000

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA=      1287.10 ELREA=      1287.20

 13800.00     5.83  1282.03      .00      .00  1282.24      .20      .02      .00  1287.10
    1600.       0.    1600.       0.       0.     442.       0.     178.      27.   1287.20
     1.34      .00     3.62      .00     .000     .018     .000     .000  1276.20     5.12
  .000218     100.     100.     100.        0        0        0      .00    81.71    86.83
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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= 13800.00 CWSEL= 1282.03

STA= 5. 92.
PER Q= 100.0
AREA= 442.3
VEL= 3.6
DEPTH= 5.4

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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        3                                                          1280.5

J2  NPROF     IPLOT    PRFVS    XSECV    XSECH    FN       ALLDC    IBW      CHNIM    ITRACE

     15        0       -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


*PROF 2



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


*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


*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


*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
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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 1200.000

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


#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


CCHV=     .300 CEHV=     .500
#SECNO 1895.000

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

  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


#SECNO 1985.000

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

  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


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


*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


*SECNO 3155.100

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
```

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 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

#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

#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

#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

#SECNO 5300.000

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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=     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


#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


#SECNO 5900.000
3280 CROSS SECTION   5900.00 EXTENDED       .01 FEET


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


#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
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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 6117.000
3280 CROSS SECTION 6117.00 EXTENDED 1.94 FEET

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 1284.20 ELREA= 1280.50

6117.00	8.25	1281.45	.00	.00	1281.68	.23	.02	.00	1284.20
2500.	0.	2475.	25.	0.	644.	33.	89.	11.	1280.50
.43	.00	3.84	.76	.000	.018	.030	.000	1273.20	2.76
.000161	107.	107.	107.	0	0	0	.00	108.24	111.00

#SECNO 6337.000
3280 CROSS SECTION 6337.00 EXTENDED 1.77 FEET

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 1284.20 ELREA= 1280.60

6337.00	8.07	1281.37	.00	.00	1281.78	.42	.05	.06	1284.20
3303.	0.	3275.	28.	0.	630.	29.	92.	12.	1280.60
.44	.00	5.20	.96	.000	.018	.030	.000	1273.30	2.86
.000304	220.	220.	220.	2	0	0	.00	108.14	111.00

#SECNO 6557.000
3280 CROSS SECTION 6557.00 EXTENDED 1.61 FEET

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 1284.50 ELREA= 1280.70

6557.00	7.91	1281.31	.00	.00	1281.93	.62	.08	.06	1284.50
3930.	0.	3897.	33.	0.	616.	30.	95.	12.	1280.70
.45	.00	6.33	1.10	.000	.018	.030	.000	1273.40	3.16
.000462	220.	220.	220.	2	0	0	.00	112.24	115.40

#SECNO 6777.000
3280 CROSS SECTION 6777.00 EXTENDED 1.49 FEET

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 1284.50 ELREA= 1280.80

6777.00	7.79	1281.29	.00	.00	1282.10	.81	.12	.06	1284.50
4425.	0.	4396.	29.	0.	606.	25.	98.	13.	1280.80
.46	.00	7.25	1.18	.000	.018	.030	.000	1273.50	3.21
.000619	220.	220.	220.	2	0	0	.00	110.29	113.50

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

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#SECNO 6997.000
3280 CROSS SECTION   6997.00 EXTENDED      1.42 FEET


3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA=      1285.00 ELREA=      1280.90

  6997.00     7.72  1281.32      .00      .00  1282.31      .99      .15      .05  1285.00
    4832.       0.    4804.      28.       0.     599.      23.     102.      13.  1280.90
      .46      .00     8.01     1.25     .000     .018     .030     .000  1273.60     3.65
  .000765     220.     220.     220.        2        0        0      .00   109.85   113.50


#SECNO 7217.000
3280 CROSS SECTION   7217.00 EXTENDED      1.40 FEET


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

  7217.00     7.70  1281.40      .00      .00  1282.53     1.13      .18      .04  1285.00
    5150.       0.    5120.      30.       0.     598.      23.     105.      14.  1281.00
      .47      .00     8.56     1.32     .000     .018     .030     .000  1273.70     3.60
  .000876     220.     220.     220.        2        0        0      .00   110.20   113.80


#SECNO 7329.000

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

  7329.00     7.83  1281.53      .00      .00  1282.63     1.10      .10      .00  1285.00
    5150.       0.    5150.       0.       0.     611.       0.     106.      14.  1284.00
      .48      .00     8.43      .00     .000     .018     .000     .000  1273.70     3.47
  .000840     112.     112.     112.        2        0        0      .00    86.19    89.66


#SECNO 7431.000

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

  7431.00     8.03  1281.73      .00      .00  1282.78     1.05      .15      .01  1285.00
    5150.       0.    5150.       0.       0.     627.       0.     109.      15.  1284.70
      .48      .00     8.22      .00     .000     .018     .000     .000  1273.70     3.27
  .000775     180.     180.     180.        2        0        0      .00    86.06    89.33
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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 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     8.19  1281.89      .00      .00  1282.91     1.01      .12      .00  1285.00
    5150.       0.    5150.       0.       0.     638.       0.     111.      15.   1284.70
      .49      .00     8.07      .00     .000     .018     .000     .000  1273.70     3.24
  .000732     161.     161.     161.        2        0        0      .00    86.25    89.49


#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     8.20  1281.90      .00      .00  1282.91     1.01      .00      .00  1285.00
    5150.       0.    5150.       0.       0.     638.       0.     111.      15.   1284.70
      .49      .00     8.07      .00     .000     .018     .000     .000  1273.70     3.24
  .000731       6.       6.       6.        0        0        0      .00    86.26    89.50


CCHV=     .300 CEHV=     .500
#SECNO 7499.000

3265 DIVIDED FLOW

3280 CROSS SECTION   7499.00 EXTENDED      2.93 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

  7499.00     8.13  1281.93      .00      .00  1283.03     1.09      .07      .04  1285.00
    5150.       0.    5150.       0.       0.     614.       0.     112.      15.   1285.00
      .49      .00     8.39      .00     .000     .018     .000     .000  1273.80     3.07
  .001210      80.      80.      80.        2        0        0      .00    83.40    89.07
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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 7532.000

3265 DIVIDED FLOW

3280 CROSS SECTION   7532.00 EXTENDED      3.00 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     8.20  1282.00      .00      .00  1283.07     1.08      .04      .01  1285.00
    5150.       0.    5150.       0.       0.     619.       0.     113.      15.   1285.00
      .49      .00     8.32      .00     .000     .018     .000     .000  1273.80     3.00
  .001181      33.      33.      33.        2        0        0      .00    83.53    89.13


CCHV=     .100 CEHV=     .300
*SECNO 7680.000

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

  7680.00     8.35  1282.25      .00      .00  1283.21      .96      .13      .01  1285.00
    5150.       0.    5150.       0.       0.     654.       0.     115.      15.   1285.00
      .50      .00     7.87      .00     .000     .018     .000     .000  1273.90     2.77
  .000680     148.     148.     148.        2        0        0      .00    86.70    89.48


CCHV=     .300 CEHV=     .500
*SECNO 7760.000

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

  7760.00     8.30  1282.30      .00      .00  1283.27      .98      .05      .01  1285.00
    5150.       0.    5150.       0.       0.     650.       0.     116.      16.   1285.00
      .50      .00     7.93      .00     .000     .018     .000     .000  1274.00     2.70
  .000695      80.      80.      80.        2        0        0      .00    86.60    89.30


*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     8.22  1282.22      .00      .00  1283.38     1.16      .01      .09  1285.00
   5150.       0.    5150.       0.       0.     597.       0.     116.      16.   1284.70
     .50      .00     8.62      .00     .000     .018     .000     .000  1274.00     3.03
 .002151      12.      12.      12.        2        0        0   -44.74    86.20    89.22


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     8.77  1282.87      .00      .00  1283.73      .86      .33      .03  1285.60
   5150.       0.    5150.       0.       0.     692.       0.     121.      16.   1285.00
     .51      .00     7.45      .00     .000     .018     .000     .000  1274.10     2.73
 .000576     328.     328.     328.        2        0        0      .00    87.63    90.35


*SECNO 8600.000

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

  8600.00     9.00  1283.20      .00      .00  1284.02      .81      .28      .00  1285.70
   5150.       0.    5150.       0.       0.     711.       0.     129.      17.   1285.20
     .53      .00     7.24      .00     .000     .018     .000     .000  1274.20     2.50
 .000528     500.     500.     500.        2        0        0      .00    88.01    90.50


*SECNO 8700.000

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA=      1285.80 ELREA=      1283.80
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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
8700.00	8.94	1283.24	.00	.00	1284.07	.83	.05	.00	1285.80
5164.	0.	5164.	0.	0.	707.	0.	131.	17.	1283.80
.53	.00	7.31	.00	.000	.018	.000	.000	1274.30	2.55
.000542	100.	100.	100.	1	0	0	.00	87.90	90.45

*SECNO 8920.000

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

8920.00	8.89	1283.29	.00	.00	1284.24	.94	.13	.03	1286.00
5465.	0.	5465.	0.	0.	701.	0.	135.	18.	1283.90
.54	.00	7.79	.00	.000	.018	.000	.000	1274.40	2.68
.000621	220.	220.	220.	2	0	0	.00	87.71	90.39

*SECNO 9140.000

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

9140.00	8.85	1283.35	.00	.00	1284.42	1.07	.15	.04	1286.00
5813.	0.	5813.	0.	0.	701.	0.	138.	18.	1284.00
.55	.00	8.29	.00	.000	.018	.000	.000	1274.50	2.88
.000707	220.	220.	220.	2	0	0	.00	88.47	91.35

*SECNO 9360.000

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

9360.00	8.80	1283.40	.00	.00	1284.64	1.24	.17	.05	1287.00
6210.	0.	6210.	0.	0.	694.	0.	142.	19.	1284.00
.56	.00	8.95	.00	.000	.018	.000	.000	1274.60	3.63
.000829	220.	220.	220.	2	0	0	.00	87.76	91.39

*SECNO 9460.000

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

9460.00	8.89	1283.49	.00	.00	1284.72	1.23	.08	.00	1287.00
6250.	0.	6250.	0.	0.	701.	0.	143.	19.	1284.00
.56	.00	8.91	.00	.000	.018	.000	.000	1274.60	3.55
.000814	100.	100.	100.	1	0	0	.00	87.93	91.47

```
   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

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     9.05  1283.65      .00      .00  1284.84     1.18      .11      .00  1287.10
    6250.       0.    6250.       0.       0.     715.       0.     145.      19.   1282.50
      .56      .00     8.74      .00     .000     .018     .000     .000  1274.60     3.45
  .000748     140.     140.     140.        2        0        0      .00    87.05    90.50


*SECNO 9770.000

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

  9770.00     9.23  1283.83      .00      .00  1284.97     1.14      .12      .00  1287.10
    6250.       0.    6250.       0.       0.     731.       0.     148.      20.   1282.50
      .57      .00     8.55      .00     .000     .018     .000     .000  1274.60     3.27
  .000699     170.     170.     170.        2        0        0      .00    87.23    90.50


*SECNO 9900.000

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

  9900.00     9.10  1283.90      .00      .00  1285.07     1.17      .09      .01  1286.80
    6250.       0.    6250.       0.       0.     720.       0.     150.      20.   1282.50
      .57      .00     8.68      .00     .000     .018     .000     .000  1274.80     2.90
  .000731     130.     130.     130.        2        0        0      .00    87.10    90.00


*SECNO  10000.000

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

 10000.00     9.20  1284.00      .00      .00  1285.14     1.14      .07      .00  1286.80
    6250.       0.    6250.       0.       0.     729.       0.     152.      20.   1282.50
      .58      .00     8.57      .00     .000     .018     .000     .000  1274.80     2.80
  .000703     100.     100.     100.        2        0        0      .00    87.20    90.00
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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

1490 NH CARD USED
*SECNO  10600.000

3301 HV CHANGED MORE THAN HVINS


3302 WARNING:  CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE


3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA=      1287.00 ELREA=      1283.00

 10600.00    10.20  1285.20      .00      .00  1285.44      .24      .20      .09  1287.00
    6250.       0.     3951.    2299.       0.     815.    1949.     176.      29.  1283.00
      .62      .00      4.85     1.18     .000     .018     .030     .000  1275.00     1.81
  .000198     600.     600.     600.        3        0        0      .00  1168.85  1170.65


1490 NH CARD USED
*SECNO  11100.000

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA=      1287.20 ELREA=      1283.20

 11100.00    10.14  1285.34      .00      .00  1285.53      .19      .09      .00  1287.20
    6250.       0.     3647.    2603.       0.     810.    2245.     210.      43.  1283.20
      .67      .00      4.50     1.16     .000     .018     .030     .000  1275.20     1.86
  .000172     500.     500.     500.        2        0        0      .00  1252.80  1254.66


1490 NH CARD USED
*SECNO  11200.000

3301 HV CHANGED MORE THAN HVINS


3302 WARNING:  CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE


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

 11200.00     9.56  1284.76      .00      .00  1285.82     1.06      .03      .26  1286.70
    6250.       0.     6250.       0.       0.     757.       0.     214.      44.  1285.50
      .67      .00      8.26      .00     .000     .018     .000     .000  1275.20     1.93
  .000641     100.     100.     100.        2        0        0      .00    88.21    90.14
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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  11400.000

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

 11400.00     9.60  1284.90      .00      .00  1285.95     1.05      .13      .00  1286.80
    6250.       0.    6250.       0.       0.     759.       0.     217.      45.  1285.60
      .68      .00     8.23      .00     .000     .018     .000     .000  1275.30     1.90
  .000635     200.     200.     200.        2        0        0      .00    88.26    90.16


1490 NH CARD USED
*SECNO  11900.000

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

 11900.00     9.75  1285.25      .00      .00  1286.26     1.02      .31      .00  1287.00
    6250.       0.    6250.       0.       0.     773.       0.     226.      46.  1285.80
      .70      .00     8.09      .00     .000     .018     .000     .000  1275.50     1.75
  .000603     500.     500.     500.        2        0        0      .00    88.55    90.30


1490 NH CARD USED
*SECNO  12300.000

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

 12300.00     9.93  1285.53      .00      .00  1286.50      .98      .23      .00  1287.10
    6250.       0.    6250.       0.       0.     789.       0.     233.      46.  1285.90
      .71      .00     7.93      .00     .000     .018     .000     .000  1275.60     1.57
  .000567     400.     400.     400.        2        0        0      .00    88.89    90.46


1490 NH CARD USED
*SECNO  12400.000

3301 HV CHANGED MORE THAN HVINS


3302 WARNING:  CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE
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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=      1287.20 ELREA=      1283.70

 12400.00    10.83  1286.53      .00      .00  1286.61      .08      .02      .09  1287.20
    6250.       0.    2759.    3491.       0.     871.    3704.     240.      48.  1283.70
      .72      .00     3.17      .94     .000     .018     .030     .000  1275.70      .67
  .000078     100.     100.     100.        3        0        0      .00  1538.60  1539.27


1490 NH CARD USED
#SECNO  12900.000

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE. ELLEA=      1287.40 ELREA=      1283.90

 12900.00    10.67  1286.57      .00      .00  1286.65      .08      .04      .00  1287.40
    6250.       0.    2735.    3515.       0.     857.    3668.     292.      65.  1283.90
      .80      .00     3.19      .96     .000     .018     .030     .000  1275.90      .83
  .000081     500.     500.     500.        2        0        0      .00  1447.64  1448.47


1490 NH CARD USED
#SECNO  13200.000

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

 13200.00    10.60  1286.60      .00      .00  1286.67      .08      .02      .00  1287.00
    6250.       0.    2720.    3530.       0.     850.    3677.     323.      75.  1284.00
      .84      .00     3.20      .96     .000     .018     .030     .000  1276.00      .41
  .000082     300.     300.     300.        0        0        0      .00  1450.93  1451.34


1490 NH CARD USED
#SECNO  13600.000

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE. ELLEA=      1287.00 ELREA=      1284.20

 13600.00    10.43  1286.63      .00      .00  1286.71      .07      .03      .00  1287.00
    6250.       0.    2644.    3606.       0.     837.    3732.     365.      89.  1284.20
      .90      .00     3.16      .97     .000     .018     .030     .000  1276.20      .38
  .000082     400.     400.     400.        0        0        0      .00  1454.96  1455.34
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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  13700.000

3301 HV CHANGED MORE THAN HVINS


3302 WARNING:  CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE


3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA=      1287.10 ELREA=      1287.20

 13700.00     9.81  1286.01      .00      .00  1287.00      .99      .02      .27  1287.10
    6250.       0.    6250.       0.       0.     784.       0.     371.      90.   1287.20
      .90      .00     7.97      .00     .000     .018     .000     .000  1276.20     1.10
  .000582     100.     100.     100.        2        0        0      .00    89.72    90.81


*SECNO  13800.000

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA=      1287.10 ELREA=      1287.20

 13800.00     9.88  1286.08      .00      .00  1287.06      .97      .06      .00  1287.10
    6250.       0.    6250.       0.       0.     790.       0.     373.      91.   1287.20
      .91      .00     7.91      .00     .000     .018     .000     .000  1276.20     1.03
  .000568     100.     100.     100.        2        0        0      .00    89.86    90.88
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THIS RUN EXECUTED 9/26/90 14:46:49

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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 SRP OPERAT

SUMMARY PRINTOUT TABLE 120

	SECNO	CWSEL	EG	VCH	10*KS	DEPTH	TOPWID	CLSTA	BW	STCHL	XLBEL	STCHR	RBEL
	591.200	1280.50	1280.65	3.14	1.11	9.10	56.00	.00	.01	20.00	1281.40	76.00	1281.40
	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	1280.65	3.14	1.11	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	1280.59	1280.66	2.20	.48	9.19	88.38	.00	.01	.00	1281.40	90.00	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	1280.61	1280.68	2.22	.49	9.11	88.41	.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	1280.62	1280.69	2.22	.49	9.12	88.42	.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	1280.63	1280.71	2.24	.50	9.03	88.36	.00	.01	.00	1281.70	90.00	1281.20
	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	1280.65	1280.73	2.36	.71	8.95	81.62	.00	.01	7.50	1283.20	93.80	1283.30
	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	1280.65	1280.74	2.36	.71	8.95	81.63	.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	1280.69	1280.77	2.31	.55	8.79	87.49	.00	.01	.00	1283.30	91.00	1281.60
	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	1280.71	1280.80	2.36	.58	8.71	86.53	.00	.01	.00	1282.90	89.00	1281.00
	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	1280.73	1280.81	2.35	.58	8.63	87.97	.00	.01	.00	1282.90	91.00	1281.60
	3155.100	1281.04	1281.23	3.53	1.27	8.94	88.62	.00	.01	.00	1282.90	91.00	1281.60

SECNO	CWSEL	EG	VCH	10*KS	DEPTH	TOPWID	CLSTA	BW	STCHL	XLBEL	STCHR	RBEL
3365.000	1280.74	1280.82	2.36	.60	8.54	88.77	.00	.01	.00	1282.90	92.00	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	1280.77	1280.87	2.44	.65	8.37	86.74	.00	.01	.00	1283.10	91.00	1282.70
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	1280.80	1280.89	2.44	.66	8.30	88.04	.00	.01	.00	1282.80	93.00	1283.30
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	1280.83	1280.92	2.44	.68	8.13	91.21	.00	.01	.00	1282.40	95.00	1282.20
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	1280.86	1280.96	2.57	.77	7.96	86.39	.00	.01	.00	1283.10	91.00	1283.10
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	1280.90	1281.00	2.64	.83	7.80	85.23	.00	.01	.00	1283.80	91.00	1283.90
5850.000	1281.40	1281.63	3.86	1.64	8.30	86.22	.00	.01	.00	1283.80	91.00	1283.90
5900.000	1280.90	1281.01	2.67	.86	7.70	85.40	.00	.01	.00	1284.20	91.80	1284.00
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	1280.91	1281.02	2.67	.86	7.71	85.42	.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	1280.92	1281.03	2.65	.84	7.72	107.72	.00	.01	.00	1284.20	88.30	1280.50
6117.000	1281.45	1281.68	3.84	1.61	8.25	108.24	.00	.01	.00	1284.20	88.30	1280.50
6337.000	1280.94	1281.05	2.68	.87	7.64	107.71	.00	.01	.00	1284.20	88.30	1280.60
6337.000	1281.37	1281.78	5.20	3.04	8.07	108.14	.00	.01	.00	1284.20	88.30	1280.60
6557.000	1280.95	1281.07	2.72	.91	7.55	111.89	.00	.01	.00	1284.50	88.30	1280.70
6557.000	1281.31	1281.93	6.33	4.62	7.91	112.24	.00	.01	.00	1284.50	88.30	1280.70
6777.000	1280.97	1281.09	2.75	.94	7.47	109.97	.00	.01	.00	1284.50	88.30	1280.80
6777.000	1281.29	1282.10	7.25	6.19	7.79	110.29	.00	.01	.00	1284.50	88.30	1280.80
6997.000	1280.99	1281.11	2.79	.98	7.39	109.53	.00	.01	.00	1285.00	88.60	1280.90
6997.000	1281.32	1282.31	8.01	7.65	7.72	109.85	.00	.01	.00	1285.00	88.60	1280.90
7217.000	1281.01	1281.13	2.82	1.02	7.31	109.81	.00	.01	.00	1285.00	88.60	1281.00
7217.000	1281.40	1282.53	8.56	8.76	7.70	110.20	.00	.01	.00	1285.00	88.60	1281.00
7329.000	1281.02	1281.15	2.82	1.01	7.32	85.14	.00	.01	.00	1285.00	92.30	1284.00
7329.000	1281.53	1282.63	8.43	8.40	7.83	86.19	.00	.01	.00	1285.00	92.30	1284.00
7431.000	1281.04	1281.16	2.82	1.01	7.34	84.68	.00	.01	.00	1285.00	92.30	1284.70
7431.000	1281.73	1282.78	8.22	7.75	8.03	86.06	.00	.01	.00	1285.00	92.30	1284.70
7452.000	1281.06	1281.18	2.82	1.01	7.36	84.54	.00	.01	.00	1285.00	92.30	1284.70
7452.000	1281.89	1282.91	8.07	7.32	8.19	86.25	.00	.01	.00	1285.00	92.30	1284.70

	SECNO	CWSEL	EG	VCH	10*KS	DEPTH	TOPWID	CLSTA	BW	STCHL	XLBEL	STCHR	RBEL
	7458.000	1281.06	1281.18	2.82	1.01	7.36	84.54	.00	.01	.00	1285.00	92.30	1284.70
	7458.000	1281.90	1282.91	8.07	7.31	8.20	86.26	.00	.01	.00	1285.00	92.30	1284.70
	7499.000	1281.06	1281.20	2.95	1.65	7.26	81.71	.00	.01	.00	1285.00	92.00	1285.00
	7499.000	1281.93	1283.03	8.39	12.10	8.13	83.40	.00	.01	.00	1285.00	92.00	1285.00
	7532.000	1281.07	1281.20	2.95	1.65	7.27	81.71	.00	.01	.00	1285.00	92.00	1285.00
	7532.000	1282.00	1283.07	8.32	11.81	8.20	83.53	.00	.01	.00	1285.00	92.00	1285.00
	7680.000	1281.09	1281.22	2.88	1.08	7.19	84.38	.00	.01	.00	1285.00	92.20	1285.00
	7680.000	1282.25	1283.21	7.87	6.80	8.35	86.70	.00	.01	.00	1285.00	92.20	1285.00
	7760.000	1281.10	1281.23	2.92	1.13	7.10	84.21	.00	.01	.00	1285.00	92.00	1285.00
	7760.000	1282.30	1283.27	7.93	6.95	8.30	86.60	.00	.01	.00	1285.00	92.00	1285.00
	7772.000	1281.10	1281.24	2.93	1.13	7.10	83.93	.00	.01	.00	1285.00	91.70	1284.70
*	7772.000	1282.22	1283.38	8.62	21.51	8.22	86.20	.00	.01	.00	1285.00	91.70	1284.70
	8100.000	1281.14	1281.27	2.95	1.16	7.04	84.14	.00	.01	.00	1285.60	92.50	1285.00
*	8100.000	1282.87	1283.73	7.45	5.76	8.77	87.63	.00	.01	.00	1285.60	92.50	1285.00
	8600.000	1281.20	1281.33	2.97	1.19	7.00	83.99	.00	.01	.00	1285.70	92.50	1285.20
	8600.000	1283.20	1284.02	7.24	5.28	9.00	88.01	.00	.01	.00	1285.70	92.50	1285.20
	8700.000	1281.21	1281.35	3.01	1.24	6.91	83.81	.00	.01	.00	1285.80	91.00	1283.80
	8700.000	1283.24	1284.07	7.31	5.42	8.94	87.90	.00	.01	.00	1285.80	91.00	1283.80
	8920.000	1281.23	1281.37	3.05	1.29	6.83	83.60	.00	.01	.00	1286.00	91.00	1283.90
	8920.000	1283.29	1284.24	7.79	6.21	8.89	87.71	.00	.01	.00	1286.00	91.00	1283.90
	9140.000	1281.26	1281.40	3.07	1.32	6.76	84.10	.00	.01	.00	1286.00	92.00	1284.00
	9140.000	1283.35	1284.42	8.29	7.07	8.85	88.47	.00	.01	.00	1286.00	92.00	1284.00
	9360.000	1281.28	1281.44	3.12	1.38	6.68	83.50	.00	.01	.00	1287.00	92.00	1284.00
	9360.000	1283.40	1284.64	8.95	8.29	8.80	87.76	.00	.01	.00	1287.00	92.00	1284.00
	9460.000	1281.30	1281.45	3.11	1.37	6.70	83.52	.00	.01	.00	1287.00	92.00	1284.00
	9460.000	1283.49	1284.72	8.91	8.14	8.89	87.93	.00	.01	.00	1287.00	92.00	1284.00
	9600.000	1281.32	1281.47	3.10	1.36	6.72	83.52	.00	.01	.00	1287.10	90.50	1282.50
	9600.000	1283.65	1284.84	8.74	7.48	9.05	87.05	.00	.01	.00	1287.10	90.50	1282.50
	9770.000	1281.34	1281.49	3.09	1.34	6.74	83.57	.00	.01	.00	1287.10	90.50	1282.50
	9770.000	1283.83	1284.97	8.55	6.99	9.23	87.23	.00	.01	.00	1287.10	90.50	1282.50
	9900.000	1281.35	1281.51	3.18	1.47	6.55	83.38	.00	.01	.00	1286.80	90.00	1282.50
	9900.000	1283.90	1285.07	8.68	7.31	9.10	87.10	.00	.01	.00	1286.80	90.00	1282.50
	10000.000	1281.37	1281.53	3.18	1.46	6.57	83.39	.00	.01	.00	1286.80	90.00	1282.50
	10000.000	1284.00	1285.14	8.57	7.03	9.20	87.20	.00	.01	.00	1286.80	90.00	1282.50

	SECNO	CWSEL	EG	VCH	10*KS	DEPTH	TOPWID	CLSTA	BW	STCHL	XLBEL	STCHR	RBEL
	10600.000	1281.46	1281.62	3.24	1.55	6.46	82.92	.00	.01	.00	1287.00	90.00	1283.00
*	10600.000	1285.20	1285.44	4.85	1.98	10.20	1168.85	.00	.01	.00	1287.00	90.00	1283.00
	11100.000	1281.53	1281.70	3.31	1.66	6.33	82.66	.00	.01	.00	1287.20	90.00	1283.20
	11100.000	1285.34	1285.53	4.50	1.72	10.14	1252.80	.00	.01	.00	1287.20	90.00	1283.20
	11200.000	1281.55	1281.72	3.32	1.66	6.35	82.08	.00	.01	.00	1286.70	90.80	1285.50
*	11200.000	1284.76	1285.82	8.26	6.41	9.56	88.21	.00	.01	.00	1286.70	90.80	1285.50
	11400.000	1281.58	1281.75	3.35	1.71	6.28	81.95	.00	.01	.00	1286.80	90.80	1285.60
	11400.000	1284.90	1285.95	8.23	6.35	9.60	88.26	.00	.01	.00	1286.80	90.80	1285.60
	11900.000	1281.66	1281.84	3.42	1.83	6.16	81.73	.00	.01	.00	1287.00	90.80	1285.80
	11900.000	1285.25	1286.26	8.09	6.03	9.75	88.55	.00	.01	.00	1287.00	90.80	1285.80
	12300.000	1281.73	1281.92	3.44	1.86	6.13	81.67	.00	.01	.00	1287.10	90.80	1285.90
	12300.000	1285.53	1286.50	7.93	5.67	9.93	88.89	.00	.01	.00	1287.10	90.80	1285.90
	12400.000	1281.75	1281.94	3.48	1.93	6.05	82.10	.00	.01	.00	1287.20	89.50	1283.70
*	12400.000	1286.53	1286.61	3.17	.78	10.83	1538.60	.00	.01	.00	1287.20	89.50	1283.70
	12900.000	1281.84	1282.04	3.54	2.05	5.94	81.89	.00	.01	.00	1287.40	89.50	1283.90
	12900.000	1286.57	1286.65	3.19	.81	10.67	1447.64	.00	.01	.00	1287.40	89.50	1283.90
	13200.000	1281.90	1282.10	3.57	2.09	5.90	81.81	.00	.01	.00	1287.00	89.00	1284.00
	13200.000	1286.60	1286.67	3.20	.82	10.60	1450.93	.00	.01	.00	1287.00	89.00	1284.00
	13600.000	1281.98	1282.19	3.65	2.23	5.78	81.68	.00	.01	.00	1287.00	89.00	1284.20
	13600.000	1286.63	1286.71	3.16	.82	10.43	1454.96	.00	.01	.00	1287.00	89.00	1284.20
	13700.000	1282.01	1282.21	3.63	2.21	5.81	81.67	.00	.01	.00	1287.10	92.00	1287.20
*	13700.000	1286.01	1287.00	7.97	5.82	9.81	89.72	.00	.01	.00	1287.10	92.00	1287.20
	13800.000	1282.03	1282.24	3.62	2.18	5.83	81.71	.00	.01	.00	1287.10	92.00	1287.20
	13800.000	1286.08	1287.06	7.91	5.68	9.88	89.86	.00	.01	.00	1287.10	92.00	1287.20

ARIZONA CANAL SRP OPERAT

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	1600.00	1280.50	.00	1280.65	1.11	3.14	509.60	1520.16
	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	1600.00	1280.50	.00	1280.65	1.11	3.14	509.69	1520.55
	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	1600.00	1280.59	.00	1280.66	.48	2.20	727.69	2318.44
*	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	1600.00	1280.61	.00	1280.68	.49	2.22	721.73	2288.30
	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	1600.00	1280.62	.00	1280.69	.49	2.22	722.05	2289.79
	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	1600.00	1280.63	.00	1280.71	.50	2.24	715.42	2257.28
	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	1600.00	1280.65	.00	1280.73	.71	2.36	678.48	1892.69
	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	1600.00	1280.65	.00	1280.74	.71	2.36	678.81	1894.01
	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	1600.00	1280.69	.00	1280.77	.55	2.31	692.28	2151.28
	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	1600.00	1280.71	.00	1280.80	.58	2.36	678.24	2094.55
	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	1600.00	1280.73	.00	1280.81	.58	2.35	681.29	2092.48
	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	1600.00	1280.74	.00	1280.82	.60	2.36	677.86	2068.56
	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	1600.00	1280.77	.00	1280.87	.65	2.44	656.44	1984.47
	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	1600.00	1280.80	.00	1280.89	.66	2.44	655.53	1967.91
	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	1600.00	1280.83	.00	1280.92	.68	2.44	655.02	1933.91
	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	1600.00	1280.86	.00	1280.96	.77	2.57	622.47	1827.13
	5300.000	500.00	.00	.00	1272.90	2500.00	1281.32	.00	1281.54	1.55	3.77	663.04	2010.54

SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRIWS	EG	10*KS	VCH	AREA	.01K
5850.000	550.00	.00	.00	1273.10	1600.00	1280.90	.00	1281.00	.83	2.64	605.11	1756.24
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	1600.00	1280.90	.00	1281.01	.86	2.67	598.29	1723.69
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	1600.00	1280.91	.00	1281.02	.86	2.67	598.94	1726.57
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	1600.00	1280.92	.00	1281.03	.84	2.65	620.50	1746.57
6117.000	107.00	.00	.00	1273.20	2500.00	1281.45	.00	1281.68	1.61	3.84	677.09	1967.35
6337.000	220.00	.00	.00	1273.30	1600.00	1280.94	.00	1281.05	.87	2.68	612.24	1714.96
6337.000	220.00	.00	.00	1273.30	3303.00	1281.37	.00	1281.78	3.04	5.20	658.47	1893.05
6557.000	220.00	.00	.00	1273.40	1600.00	1280.95	.00	1281.07	.91	2.72	606.12	1681.58
6557.000	220.00	.00	.00	1273.40	3930.00	1281.31	.00	1281.93	4.62	6.33	645.79	1827.84
6777.000	220.00	.00	.00	1273.50	1600.00	1280.97	.00	1281.09	.94	2.75	595.94	1648.81
6777.000	220.00	.00	.00	1273.50	4425.00	1281.29	.00	1282.10	6.19	7.25	630.95	1778.19
6997.000	220.00	.00	.00	1273.60	1600.00	1280.99	.00	1281.11	.98	2.79	586.61	1615.98
6997.000	220.00	.00	.00	1273.60	4832.00	1281.32	.00	1282.31	7.65	8.01	622.24	1746.81
7217.000	220.00	.00	.00	1273.70	1600.00	1281.01	.00	1281.13	1.02	2.82	578.22	1585.11
7217.000	220.00	.00	.00	1273.70	5150.00	1281.40	.00	1282.53	8.76	8.56	620.82	1740.27
7329.000	112.00	.00	.00	1273.70	1600.00	1281.02	.00	1281.15	1.01	2.82	568.00	1588.93
7329.000	112.00	.00	.00	1273.70	5150.00	1281.53	.00	1282.63	8.40	8.43	611.24	1776.76
7431.000	180.00	.00	.00	1273.70	1600.00	1281.04	.00	1281.16	1.01	2.82	567.76	1591.36
7431.000	180.00	.00	.00	1273.70	5150.00	1281.73	.00	1282.78	7.75	8.22	626.75	1849.94
7452.000	161.00	1284.90	1283.90	1273.70	1600.00	1281.06	.00	1281.18	1.01	2.82	566.65	1588.78
7452.000	161.00	1284.90	1283.90	1273.70	5150.00	1281.89	.00	1282.91	7.32	8.07	638.07	1902.98
7458.000	6.00	1284.90	1283.90	1273.70	1600.00	1281.06	.00	1281.18	1.01	2.82	566.67	1588.87
7458.000	6.00	1284.90	1283.90	1273.70	5150.00	1281.90	.00	1282.91	7.31	8.07	638.47	1904.79
7499.000	80.00	1286.00	1284.00	1273.80	1600.00	1281.06	.00	1281.20	1.65	2.95	542.02	1244.39
7499.000	80.00	1286.00	1284.00	1273.80	5150.00	1281.93	.00	1283.03	12.10	8.39	613.51	1480.50
7532.000	33.00	1286.00	1284.00	1273.80	1600.00	1281.07	.00	1281.20	1.65	2.95	542.09	1244.62
7532.000	33.00	1286.00	1284.00	1273.80	5150.00	1282.00	.00	1283.07	11.81	8.32	618.86	1498.57
7680.000	148.00	.00	.00	1273.90	1600.00	1281.09	.00	1281.22	1.08	2.88	555.15	1537.66
7680.000	148.00	.00	.00	1273.90	5150.00	1282.25	.00	1283.21	6.80	7.87	654.25	1974.43
7760.000	80.00	.00	.00	1274.00	1600.00	1281.10	.00	1281.23	1.13	2.92	547.82	1506.72
7760.000	80.00	.00	.00	1274.00	5150.00	1282.30	.00	1283.27	6.95	7.93	649.79	1954.06

	SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRIWS	EG	10*KS	VCH	AREA	.01K
	7772.000	12.00	1284.70	1284.70	1274.00	1600.00	1281.10	.00	1281.24	1.13	2.93	546.63	1503.51
*	7772.000	12.00	1284.70	1284.70	1274.00	5150.00	1282.22	.00	1283.38	21.51	8.62	597.13	1110.30
	8100.000	328.00	.00	.00	1274.10	1600.00	1281.14	.00	1281.27	1.16	2.95	542.52	1484.04
*	8100.000	328.00	.00	.00	1274.10	5150.00	1282.87	.00	1283.73	5.76	7.45	691.53	2146.33
	8600.000	500.00	.00	.00	1274.20	1600.00	1281.20	.00	1281.33	1.19	2.97	538.64	1468.24
	8600.000	500.00	.00	.00	1274.20	5150.00	1283.20	.00	1284.02	5.28	7.24	711.30	2240.27
	8700.000	100.00	.00	.00	1274.30	1600.00	1281.21	.00	1281.35	1.24	3.01	531.23	1437.37
	8700.000	100.00	.00	.00	1274.30	5164.00	1283.24	.00	1284.07	5.42	7.31	706.66	2218.28
	8920.000	220.00	.00	.00	1274.40	1600.00	1281.23	.00	1281.37	1.29	3.05	524.70	1410.73
	8920.000	220.00	.00	.00	1274.40	5465.00	1283.29	.00	1284.24	6.21	7.79	701.17	2193.02
	9140.000	220.00	.00	.00	1274.50	1600.00	1281.26	.00	1281.40	1.32	3.07	520.73	1390.33
	9140.000	220.00	.00	.00	1274.50	5813.00	1283.35	.00	1284.42	7.07	8.29	701.38	2186.49
	9360.000	220.00	.00	.00	1274.60	1600.00	1281.28	.00	1281.44	1.38	3.12	513.16	1362.29
	9360.000	220.00	.00	.00	1274.60	6210.00	1283.40	.00	1284.64	8.29	8.95	693.81	2156.32
	9460.000	100.00	.00	.00	1274.60	1600.00	1281.30	.00	1281.45	1.37	3.11	514.12	1366.20
	9460.000	100.00	.00	.00	1274.60	6250.00	1283.49	.00	1284.72	8.14	8.91	701.19	2191.00
	9600.000	140.00	.00	.00	1274.60	1600.00	1281.32	.00	1281.47	1.36	3.10	515.67	1372.77
	9600.000	140.00	.00	.00	1274.60	6250.00	1283.65	.00	1284.84	7.48	8.74	715.49	2285.01
	9770.000	170.00	.00	.00	1274.60	1600.00	1281.34	.00	1281.49	1.34	3.09	517.67	1380.94
	9770.000	170.00	.00	.00	1274.60	6250.00	1283.83	.00	1284.97	6.99	8.55	730.92	2363.56
	9900.000	130.00	.00	.00	1274.80	1600.00	1281.35	.00	1281.51	1.47	3.18	503.11	1320.68
	9900.000	130.00	.00	.00	1274.80	6250.00	1283.90	.00	1285.07	7.31	8.68	720.35	2312.15
	10000.000	100.00	.00	.00	1274.80	1600.00	1281.37	.00	1281.53	1.46	3.18	503.82	1323.56
	10000.000	100.00	.00	.00	1274.80	6250.00	1284.00	.00	1285.14	7.03	8.57	729.33	2357.95
	10600.000	600.00	.00	.00	1275.00	1600.00	1281.46	.00	1281.62	1.55	3.24	493.77	1284.63
*	10600.000	600.00	.00	.00	1275.00	6250.00	1285.20	.00	1285.44	1.98	4.85	2763.77	4439.23
	11100.000	500.00	.00	.00	1275.20	1600.00	1281.53	.00	1281.70	1.66	3.31	483.28	1242.83
	11100.000	500.00	.00	.00	1275.20	6250.00	1285.34	.00	1285.53	1.72	4.50	3055.23	4764.35
	11200.000	100.00	.00	.00	1275.20	1600.00	1281.55	.00	1281.72	1.66	3.32	482.63	1243.66
*	11200.000	100.00	.00	.00	1275.20	6250.00	1284.76	.00	1285.82	6.41	8.26	756.89	2468.20
	11400.000	200.00	.00	.00	1275.30	1600.00	1281.58	.00	1281.75	1.71	3.35	477.16	1221.95
	11400.000	200.00	.00	.00	1275.30	6250.00	1284.90	.00	1285.95	6.35	8.23	759.33	2480.14
	11900.000	500.00	.00	.00	1275.50	1600.00	1281.66	.00	1281.84	1.83	3.42	467.52	1184.02
	11900.000	500.00	.00	.00	1275.50	6250.00	1285.25	.00	1286.26	6.03	8.09	772.74	2546.22

	SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRIWS	EG	10*KS	VCH	AREA	.01K
	12300.000	400.00	.00	.00	1275.60	1600.00	1281.73	.00	1281.92	1.86	3.44	465.05	1174.39
	12300.000	400.00	.00	.00	1275.60	6250.00	1285.53	.00	1286.50	5.67	7.93	788.55	2624.77
	12400.000	100.00	.00	.00	1275.70	1600.00	1281.75	.00	1281.94	1.93	3.48	460.30	1152.82
*	12400.000	100.00	.00	.00	1275.70	6250.00	1286.53	.00	1286.61	.78	3.17	4575.60	7061.83
	12900.000	500.00	.00	.00	1275.90	1600.00	1281.84	.00	1282.04	2.05	3.54	451.47	1118.81
	12900.000	500.00	.00	.00	1275.90	6250.00	1286.57	.00	1286.65	.81	3.19	4525.25	6940.66
	13200.000	300.00	.00	.00	1276.00	1600.00	1281.90	.00	1282.10	2.09	3.57	448.11	1105.96
	13200.000	300.00	.00	.00	1276.00	6250.00	1286.60	.00	1286.67	.82	3.20	4527.91	6893.73
	13600.000	400.00	.00	.00	1276.20	1600.00	1281.98	.00	1282.19	2.23	3.65	438.89	1070.38
	13600.000	400.00	.00	.00	1276.20	6250.00	1286.63	.00	1286.71	.82	3.16	4568.96	6907.40
	13700.000	100.00	.00	.00	1276.20	1600.00	1282.01	.00	1282.21	2.21	3.63	440.32	1076.05
*	13700.000	100.00	.00	.00	1276.20	6250.00	1286.01	.00	1287.00	5.82	7.97	783.78	2591.01
	13800.000	100.00	.00	.00	1276.20	1600.00	1282.03	.00	1282.24	2.18	3.62	442.30	1083.57
	13800.000	100.00	.00	.00	1276.20	6250.00	1286.08	.00	1287.06	5.68	7.91	790.01	2621.95

ARIZONA CANAL SRP OPERAT

SUMMARY PRINTOUT TABLE 150

	SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
	591.200	1600.00	1280.50	.00	.00	.00	56.00	.00
	591.200	2500.00	1280.50	.00	.00	.00	56.00	.00
	605.200	1600.00	1280.50	.00	.00	.00	56.00	14.00
	605.200	2500.00	1280.50	.00	.00	.00	56.00	14.00
*	631.200	1600.00	1280.59	.00	.09	.00	88.38	26.00
*	631.200	2500.00	1280.72	.13	.22	.00	88.65	26.00
	1000.000	1600.00	1280.61	.00	.02	.00	88.41	369.00
	1000.000	2500.00	1280.76	.16	.04	.00	88.71	369.00
	1200.000	1600.00	1280.62	.00	.01	.00	88.42	200.00
	1200.000	2500.00	1280.79	.17	.02	.00	88.76	200.00
	1600.000	1600.00	1280.63	.00	.02	.00	88.36	400.00
	1600.000	2500.00	1280.83	.20	.04	.00	88.76	400.00
	1895.000	1600.00	1280.65	.00	.01	.00	81.62	295.00
	1895.000	2500.00	1280.86	.21	.03	.00	81.90	295.00
	1985.000	1600.00	1280.65	.00	.01	.00	81.63	90.00
	1985.000	2500.00	1280.88	.22	.02	.00	81.91	90.00
	2500.000	1600.00	1280.69	.00	.04	.00	87.49	515.00
	2500.000	2500.00	1280.96	.27	.08	.00	88.03	515.00
	2900.000	1600.00	1280.71	.00	.02	.00	86.53	400.00
	2900.000	2500.00	1281.00	.29	.05	.00	87.11	400.00
	3155.100	1600.00	1280.73	.00	.02	.00	87.97	255.00
	3155.100	2500.00	1281.04	.31	.04	.00	88.62	255.00
	3365.000	1600.00	1280.74	.00	.01	.00	88.77	210.00
	3365.000	2500.00	1281.07	.33	.03	.00	89.49	210.00
	4000.000	1600.00	1280.77	.00	.04	.00	86.74	635.00
	4000.000	2500.00	1281.14	.37	.08	.00	87.49	635.00
	4350.000	1600.00	1280.80	.00	.02	.00	88.04	350.00
	4350.000	2500.00	1281.19	.40	.05	.00	88.90	350.00
	4800.000	1600.00	1280.83	.00	.03	.00	91.21	450.00
	4800.000	2500.00	1281.26	.43	.07	.00	92.33	450.00
	5300.000	1600.00	1280.86	.00	.03	.00	86.39	500.00
	5300.000	2500.00	1281.32	.46	.06	.00	87.35	500.00

SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
5850.000	1600.00	1280.90	.00	.04	.00	85.23	550.00
5850.000	2500.00	1281.40	.50	.08	.00	86.22	550.00
5900.000	1600.00	1280.90	.00	.00	.00	85.40	50.00
5900.000	2500.00	1281.40	.51	.01	.00	86.41	50.00
6010.000	1600.00	1280.91	.00	.01	.00	85.42	110.00
6010.000	2500.00	1281.42	.52	.02	.00	86.44	110.00
6117.000	1600.00	1280.92	.00	.01	.00	107.72	107.00
6117.000	2500.00	1281.45	.53	.03	.00	108.24	107.00
6337.000	1600.00	1280.94	.00	.02	.00	107.71	220.00
6337.000	3303.00	1281.37	.43	-.08	.00	108.14	220.00
6557.000	1600.00	1280.95	.00	.02	.00	111.89	220.00
6557.000	3930.00	1281.31	.36	-.06	.00	112.24	220.00
6777.000	1600.00	1280.97	.00	.02	.00	109.97	220.00
6777.000	4425.00	1281.29	.32	-.02	.00	110.29	220.00
6997.000	1600.00	1280.99	.00	.02	.00	109.53	220.00
6997.000	4832.00	1281.32	.33	.03	.00	109.85	220.00
7217.000	1600.00	1281.01	.00	.02	.00	109.81	220.00
7217.000	5150.00	1281.40	.39	.08	.00	110.20	220.00
7329.000	1600.00	1281.02	.00	.01	.00	85.14	112.00
7329.000	5150.00	1281.53	.50	.13	.00	86.19	112.00
7431.000	1600.00	1281.04	.00	.02	.00	84.68	180.00
7431.000	5150.00	1281.73	.69	.20	.00	86.06	180.00
7452.000	1600.00	1281.06	.00	.02	.00	84.54	161.00
7452.000	5150.00	1281.89	.84	.16	.00	86.25	161.00
7458.000	1600.00	1281.06	.00	.00	.00	84.54	6.00
7458.000	5150.00	1281.90	.84	.01	.00	86.26	6.00
7499.000	1600.00	1281.06	.00	.00	.00	81.71	80.00
7499.000	5150.00	1281.93	.87	.03	.00	83.40	80.00
7532.000	1600.00	1281.07	.00	.01	.00	81.71	33.00
7532.000	5150.00	1282.00	.93	.06	.00	83.53	33.00
7680.000	1600.00	1281.09	.00	.03	.00	84.38	148.00
7680.000	5150.00	1282.25	1.16	.25	.00	86.70	148.00
7760.000	1600.00	1281.10	.00	.01	.00	84.21	80.00
7760.000	5150.00	1282.30	1.20	.05	.00	86.60	80.00

	SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
	7772.000	1600.00	1281.10	.00	.00	.00	83.93	12.00
*	7772.000	5150.00	1282.22	1.12	-.08	.00	86.20	12.00
	8100.000	1600.00	1281.14	.00	.04	.00	84.14	328.00
*	8100.000	5150.00	1282.87	1.74	.65	.00	87.63	328.00
	8600.000	1600.00	1281.20	.00	.06	.00	83.99	500.00
	8600.000	5150.00	1283.20	2.01	.33	.00	88.01	500.00
	8700.000	1600.00	1281.21	.00	.01	.00	83.81	100.00
	8700.000	5164.00	1283.24	2.04	.04	.00	87.90	100.00
	8920.000	1600.00	1281.23	.00	.03	.00	83.60	220.00
	8920.000	5465.00	1283.29	2.06	.05	.00	87.71	220.00
	9140.000	1600.00	1281.26	.00	.03	.00	84.10	220.00
	9140.000	5813.00	1283.35	2.09	.06	.00	88.47	220.00
	9360.000	1600.00	1281.28	.00	.03	.00	83.50	220.00
	9360.000	6210.00	1283.40	2.11	.04	.00	87.76	220.00
	9460.000	1600.00	1281.30	.00	.01	.00	83.52	100.00
	9460.000	6250.00	1283.49	2.19	.09	.00	87.93	100.00
	9600.000	1600.00	1281.32	.00	.02	.00	83.52	140.00
	9600.000	6250.00	1283.65	2.33	.16	.00	87.05	140.00
	9770.000	1600.00	1281.34	.00	.02	.00	83.57	170.00
	9770.000	6250.00	1283.83	2.49	.18	.00	87.23	170.00
	9900.000	1600.00	1281.35	.00	.01	.00	83.38	130.00
	9900.000	6250.00	1283.90	2.54	.07	.00	87.10	130.00
	10000.000	1600.00	1281.37	.00	.02	.00	83.39	100.00
	10000.000	6250.00	1284.00	2.63	.10	.00	87.20	100.00
	10600.000	1600.00	1281.46	.00	.09	.00	82.92	600.00
*	10600.000	6250.00	1285.20	3.74	1.19	.00	1168.85	600.00
	11100.000	1600.00	1281.53	.00	.08	.00	82.66	500.00
	11100.000	6250.00	1285.34	3.81	.14	.00	1252.80	500.00
	11200.000	1600.00	1281.55	.00	.02	.00	82.08	100.00
*	11200.000	6250.00	1284.76	3.22	-.58	.00	88.21	100.00
	11400.000	1600.00	1281.58	.00	.03	.00	81.95	200.00
	11400.000	6250.00	1284.90	3.32	.14	.00	88.26	200.00
	11900.000	1600.00	1281.66	.00	.08	.00	81.73	500.00
	11900.000	6250.00	1285.25	3.59	.35	.00	88.55	500.00

	SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
	12300.000	1600.00	1281.73	.00	.07	.00	81.67	400.00
	12300.000	6250.00	1285.53	3.79	.28	.00	88.89	400.00
	12400.000	1600.00	1281.75	.00	.02	.00	82.10	100.00
*	12400.000	6250.00	1286.53	4.78	1.01	.00	1538.60	100.00
	12900.000	1600.00	1281.84	.00	.09	.00	81.89	500.00
	12900.000	6250.00	1286.57	4.73	.04	.00	1447.64	500.00
	13200.000	1600.00	1281.90	.00	.06	.00	81.81	300.00
	13200.000	6250.00	1286.60	4.69	.02	.00	1450.93	300.00
	13600.000	1600.00	1281.98	.00	.08	.00	81.68	400.00
	13600.000	6250.00	1286.63	4.65	.04	.00	1454.96	400.00
	13700.000	1600.00	1282.01	.00	.02	.00	81.67	100.00
*	13700.000	6250.00	1286.01	4.00	-.62	.00	89.72	100.00
	13800.000	1600.00	1282.03	.00	.02	.00	81.71	100.00
	13800.000	6250.00	1286.08	4.05	.07	.00	89.86	100.00

SUMMARY OF ERRORS AND SPECIAL NOTES

```
WARNING SECNO=    631.200  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=    631.200  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=   7772.000  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=   8100.000  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=  10600.000  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=  11200.000  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=  12400.000  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=  13700.000  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
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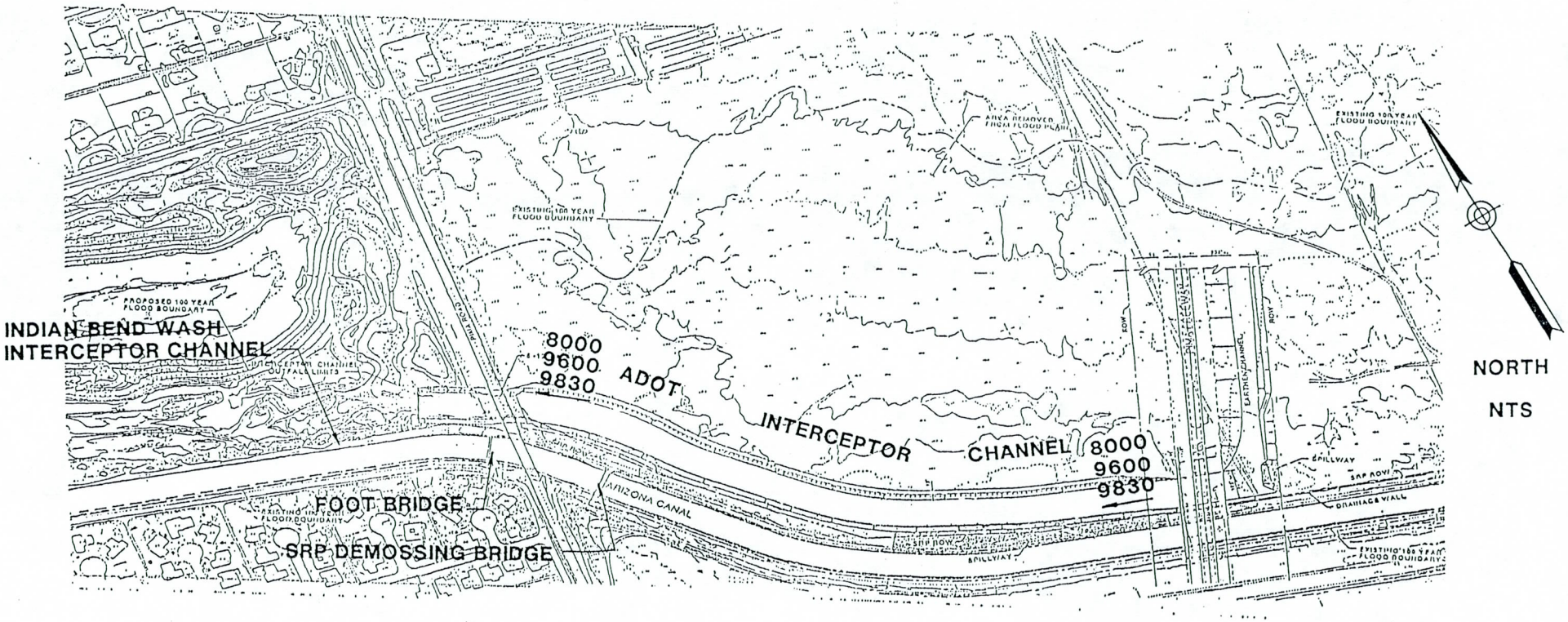

LEGEND

8000 FLOW,CFS
—→ FLOW PATH

PROFILE I (ADOT DESIGN FLOW)

Q:8000 CFS,EAST OF PIMA ROAD TO PIMA FREEWAY

PROFILE 2 (ADOT (1.2)DESIGN FLOW)

Q:9600 CFS,EAST OF PIMA ROAD TO PIMA FREEWAY

PROFILE 3 (ADOT (1.23)DESIGN FLOW)

Q:9830 CFS ,EAST OF PIMA ROAD TO PIMA FREEWAY

APPENDIX H (PROFILE 1,2,&3)

HEC-2 COMPUTER MODEL
SIMULATED ADOT CONCEPT
VARIOUS FLOWS COMPARISON
ADOT INTERCEPTOR CHANNEL

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****************************************************
*  WATER SURFACE PROFILES                          *
*  VERSION OF SEPTEMBER 1988                       *
*                                                  *
*                                                  *
*  RUN DATE     9/26/90   TIME   15: 0:44          *
****************************************************
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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 9/26/90 15: 0:44

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

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

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

THIS FILE IS NAMED: APNEWHF.IN

THIS MODEL IS FOR CHECK FLOWS

DATUM IS CORPS OF ENGINEERS (COE)

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

STARTING WATER SURFACE ELEVATION 1282.44 IS FROM APPENDIX G,
PROFILE 2, SECTION NO. 7532.0

PROFILE 1 Q = 8000 CFS DESIGN FLOW

PROFILE 2 Q = 9600 CFS (1.2) X DESIGN FLOW

PROFILE 3 Q = 9830 CFS (1.23) X DESIGN FLOW

THIS MODEL IS FOR THE FLOODPLAIN BETWEEN PIMA ROAD AND THE
PROPOSED PIMA FREEWAY

THIS MODEL INCLUDES THE ARIZONA CANAL INTERCEPTOR CHANNEL (ADOT)

CHANNEL IMPROVEMENT OPTION USED FOR ALL PROFILES

```
T1      DESIGN CONDITIONS  Q = 8000 CFS
T2      CORPS OF ENGINEERS DATUM
T3      ARIZONA CANAL INTERCEPTOR CHANNEL
```

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	0	2							1282.44	

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	0.018	.1	.3					
QT	3	8000	9600	9830						
X1	7680.0	11	92.2	1285	0	0	0			
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								

SRP DEMOSSING BRIDGE DOWNSTREAM

X1	7760.0	11	92	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								

SRP DEMOSSING BRIDGE UPSTREAM

X1	7772.0	16	91.7	1285	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	1274.1	11	1274.1	81
GR	1281.7	88.7	1284.7	91.7	1284.9	91.9	1283.5	122	1283.7	124
GR	1284.0	126	1285.5	137	1285.0	332	1285.0	937	1285.0	1000
GR	1285.0	1285								

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X1   8100.0      12     92.5    1520     350     350     350
CI
X3      10
GR   1285.5       0   1274.0    11.5  1274.0    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

X1   8600.0      13     92.5    1680     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     650  1283.0     896
GR   1284.0    1200   1285.0    1600  1285.5    1680

X1   8700.0      13       91    1570     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    1570  1285.5    1680

X1   8920.0      12     91.0    1700     220     220     220
CI
X3      10
GR   1286.0       0   1274.4    11.5  1274.4    81.5  1284.1    91.0  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

X1   9140.0      12     92.0    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    1230   1286.0    1700

X1   9360.0      12     92.0    1650     220     220     220
CI
X3      10
GR   1287.0       0   1274.6    12.5  1274.6    82.5  1284.0    92.0  1282.0     117
GR   1281.0     350   1281.5     380  1282.0     450  1283.0     850  1284.0    1120
GR   1285.0    1250   1286.0    1650

X1   9460.0      11     92.0    1490     100     100     100
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
```

PROPOSED PIMA FREEWAY DOWNSTREAM

```
X1   9600.0      12       0     220     140     140     140
CI                                    0.001
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  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     290  1301.8  1287.1  1285.0

X1   9800.0      14       0    1800      30      30      30
CI
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   9885.0      12       0    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       0    1220      39      39      39
CI     250     .01     .01     .01     .01              .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    1060
GR   1286.0    1220

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

```
   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
*SECNO 7680.000
CHIMP CLSTA=     220.00 CELCH=    1271.20 BW=     100.00 STCHL=      92.20 STCHR=    1285.00
EXCAVATION DATA
AEX=    1192.0SQ-FT     VEXR=        .0K*CU-YD     VEXT=         .0K*CU-YD


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

  7680.00    11.24  1282.44      .00  1282.44  1282.89      .45      .00      .00  1285.00
    8000.       0.    8000.       0.       0.    1487.       0.       0.       0.   1285.00
      .00      .00     5.38      .00     .000     .018     .000     .000  1271.20   132.26
  .000917       0.       0.       0.        0        0        0      .00   465.91   598.16


*SECNO 7760.000
CHIMP CLSTA=     250.00 CELCH=    1271.28 BW=     100.00 STCHL=      92.00 STCHR=    1285.00
EXCAVATION DATA
AEX=    1213.1SQ-FT     VEXR=       3.6K*CU-YD     VEXT=        3.6K*CU-YD


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

  7760.00    11.29  1282.57      .00      .00  1282.97      .40      .07      .00  1285.00
    8000.       0.    8000.       0.       0.    1574.       0.       3.       1.   1285.00
      .00      .00     5.08      .00     .000     .018     .000     .000  1271.28   130.50
  .000932      80.      80.      80.        2        0        0      .00   544.32   674.82


*SECNO 7772.000
CHIMP CLSTA=     250.00 CELCH=    1271.29 BW=     100.00 STCHL=      91.70 STCHR=    1285.00
EXCAVATION DATA
AEX=    1779.4SQ-FT     VEXR=        .7K*CU-YD     VEXT=        4.2K*CU-YD


3302 WARNING:  CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE


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

```
  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=      1284.70 ELREA=      1285.00

  7772.00    11.19  1282.48      .00      .00  1283.01      .53      .01      .04  1284.70
    8000.       0.    8000.       0.       0.    1369.       0.       3.       1.   1285.00
      .00      .00     5.84      .00     .000     .018     .000     .000  1271.29   177.62
  .000262      12.      12.      12.        2        0        0      .00   144.76   322.38


*SECNO 8100.000
CHIMP CLSTA=     250.00 CELCH=    1271.64 BW=     100.00 STCHL=      92.50 STCHR=    1520.00
EXCAVATION DATA
AEX=    1078.6SQ-FT     VEXR=      18.5K*CU-YD     VEXT=       22.8K*CU-YD


3302 WARNING:  CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE


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

  8100.00    11.32  1282.96      .00      .00  1283.17      .21      .13      .03  1285.00
    8000.       0.    8000.       0.       0.    2180.       0.      17.       5.   1285.00
      .03      .00     3.67      .00     .000     .018     .000     .000  1271.64   123.89
  .000537     350.     350.     350.        2        0        0      .00   815.53   939.42


*SECNO 8600.000
CHIMP CLSTA=     250.00 CELCH=    1272.14 BW=     100.00 STCHL=      92.50 STCHR=    1680.00
EXCAVATION DATA
AEX=    1024.4SQ-FT     VEXR=      19.5K*CU-YD     VEXT=       42.2K*CU-YD


3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA=      1285.20 ELREA=      1285.50

  8600.00    11.10  1283.24      .00      .00  1283.42      .19      .25      .00  1285.20
    8000.       0.    8000.       0.       0.    2303.       0.      43.      14.   1285.50
      .07      .00     3.47      .00     .000     .018     .000     .000  1272.14   120.20
  .000471     500.     500.     500.        2        0        0      .00   847.94   968.14


*SECNO 8700.000
CHIMP CLSTA=     250.00 CELCH=    1272.24 BW=     100.00 STCHL=      91.00 STCHR=    1570.00
```

```
   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=    1053.1SQ-FT     VEXR=       3.8K*CU-YD     VEXT=       46.1K*CU-YD


3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA=      1283.80 ELREA=      1285.00

  8700.00    11.04  1283.28      .00      .00  1283.48      .20      .05      .00  1283.80
    8000.       0.    8000.       0.       0.    2248.       0.      48.      16.   1285.00
      .08      .00     3.56      .00     .000     .018     .000     .000  1272.24   116.57
  .000512     100.     100.     100.        0        0        0      .00   849.76   966.33


*SECNO 8920.000
CHIMP CLSTA=     250.00 CELCH=    1272.46 BW=     100.00 STCHL=      91.00 STCHR=    1700.00
EXCAVATION DATA
AEX=     993.0SQ-FT     VEXR=       8.3K*CU-YD     VEXT=       54.4K*CU-YD


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

  8920.00    10.95  1283.42      .00      .00  1283.59      .17      .11      .00  1284.10
    8000.       0.    8000.       0.       0.    2399.       0.      60.      21.   1286.00
      .10      .00     3.33      .00     .000     .018     .000     .000  1272.46    97.13
  .000484     220.     220.     220.        2        0        0      .00   960.34  1057.48


*SECNO 9140.000
CHIMP CLSTA=     250.00 CELCH=    1272.68 BW=     100.00 STCHL=      92.00 STCHR=    1700.00
EXCAVATION DATA
AEX=     977.2SQ-FT     VEXR=       8.0K*CU-YD     VEXT=       62.4K*CU-YD


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

  9140.00    10.84  1283.53      .00      .00  1283.70      .17      .11      .00  1284.10
    8000.       0.    8000.       0.       0.    2426.       0.      72.      26.   1286.00
      .12      .00     3.30      .00     .000     .018     .000     .000  1272.68    98.84
  .000483     220.     220.     220.        0        0        0      .00   985.29  1084.14


*SECNO 9360.000
CHIMP CLSTA=     250.00 CELCH=    1272.90 BW=     100.00 STCHL=      92.00 STCHR=    1650.00
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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=     998.3SQ-FT     VEXR=       8.0K*CU-YD     VEXT=       70.5K*CU-YD


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

  9360.00    10.72  1283.62      .00      .00  1283.82      .20      .12      .01  1284.00
    8000.       0.    8000.       0.       0.    2217.       0.      84.      31.   1286.00
      .13      .00     3.61      .00     .000     .018     .000     .000  1272.90    96.67
  .000597     220.     220.     220.        1        0        0      .00   922.55  1019.21


*SECNO 9460.000
CHIMP CLSTA=     250.00 CELCH=    1273.00 BW=     100.00 STCHL=      92.00 STCHR=    1490.00
EXCAVATION DATA
AEX=    1145.9SQ-FT     VEXR=       4.0K*CU-YD     VEXT=       74.5K*CU-YD


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

  9460.00    10.65  1283.65      .00      .00  1283.90      .25      .07      .01  1284.00
    8000.       0.    8000.       0.       0.    1992.       0.      89.      33.   1286.00
      .14      .00     4.02      .00     .000     .018     .000     .000  1273.00   112.82
  .000734     100.     100.     100.        2        0        0      .00   823.48   936.30


*SECNO 9600.000
CHIMP CLSTA=     250.00 CELCH=    1273.14 BW=     100.00 STCHL=        .00 STCHR=     300.03
EXCAVATION DATA
AEX=    1112.7SQ-FT     VEXR=       5.9K*CU-YD     VEXT=       80.3K*CU-YD


3302 WARNING:  CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE


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    10.59  1283.74      .00      .00  1283.95      .21      .04      .00  1287.10
    8000.       0.    8000.       0.       0.    2165.       0.      96.      34.   1301.80
      .15      .00     3.70      .00     .000     .018     .000     .000  1273.14     3.36
  .000154     140.     140.     140.        1        0        0      .00   296.65   300.01
```

```
   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 9770.000
CHIMP CLSTA=     250.00 CELCH=    1273.31 BW=     100.00 STCHL=        .00 STCHR=     300.03
EXCAVATION DATA
AEX=    1093.0SQ-FT     VEXR=       6.9K*CU-YD     VEXT=       87.3K*CU-YD


3470 ENCROACHMENT STATIONS=         .0     290.0  TYPE=      1  TARGET=      289.999
 ELENCL=   1285.00  ELENCR=   1301.80

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

  9770.00    10.45  1283.76      .00      .00  1283.98      .21      .03      .00  1287.10
    8000.       0.    8000.       0.       0.    2151.       0.     104.      36.   1301.80
      .16      .00     3.72      .00     .000     .018     .000     .000  1273.31     3.34
  .000158     170.     170.     170.        2        0        0      .00   296.67   300.01


*SECNO 9800.000
CHIMP CLSTA=     250.00 CELCH=    1273.34 BW=     100.00 STCHL=        .00 STCHR=    1800.00
EXCAVATION DATA
AEX=      19.1SQ-FT     VEXR=        .6K*CU-YD     VEXT=       87.9K*CU-YD


3302 WARNING:  CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE


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

  9800.00    10.65  1283.99      .00      .00  1284.00      .01      .00      .02  1287.00
    8000.       0.    8000.       0.       0.   12332.       0.     109.      36.   1286.00
      .18      .00      .65      .00     .000     .018     .000     .000  1273.34     3.06
  .000005      30.      30.      30.        2        0        0      .00  1764.78  1767.84


*SECNO 9885.000
CHIMP CLSTA=     200.00 CELCH=    1280.00 BW=     115.00 STCHL=        .00 STCHR=    1220.00
EXCAVATION DATA
AEX=     140.5SQ-FT     VEXR=        .3K*CU-YD     VEXT=       88.1K*CU-YD


3302 WARNING:  CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE
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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= 1287.00 ELREA= 1285.00

9885.00	9.12	1283.82	.00	.00	1284.07	.25	.00	.07	1287.00
8000.	0.	8000.	0.	0.	1977.	0.	123.	39.	1286.00
.18	.00	4.05	.00	.000	.018	.000	.000	1274.70	3.23
.000635	85.	85.	85.	2	0	0	.00	719.54	722.77

*SECNO 9900.000

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

9900.00	8.99	1283.79	.00	.00	1284.13	.34	.03	.02	1286.80
8000.	0.	8000.	0.	0.	1721.	0.	125.	39.	1286.00
.18	.00	4.65	.00	.000	.018	.000	.000	1274.80	3.01
.000996	39.	39.	39.	2	0	0	.00	715.75	718.76

*SECNO 10000.000

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

10000.00	9.12	1283.92	.00	.00	1284.22	.30	.09	.00	1286.80
8000.	0.	8000.	0.	0.	1816.	0.	129.	41.	1286.00
.19	.00	4.41	.00	.000	.018	.000	.000	1274.80	2.88
.000864	100.	100.	100.	2	0	0	.00	735.40	738.28

```
T1      DESIGN CONDITIONS  Q = 9600 CFS
T2      CORPS OF ENGINEERS DATUM
T3      ARIZONA CANAL INTERCEPTOR CHANNEL

J1  ICHECK    INQ      NINV     IDIR     STRT     METRIC   HVINS    Q        WSEL     FQ

      0        3                                                      1282.60

J2  NPROF     IPLOT    PRFVS    XSECV    XSECH    FN       ALLDC    IBW      CHNIM    ITRACE

      2        0       -1                                                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


*PROF 2



CCHV=     .100 CEHV=     .300
*SECNO 7680.000
CHIMP CLSTA=     220.00 CELCH=    1271.20 BW=     100.00 STCHL=      92.20 STCHR=    1285.00
EXCAVATION DATA
AEX=    1192.0SQ-FT     VEXR=        .0K*CU-YD     VEXT=         .0K*CU-YD


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

  7680.00    11.40  1282.60      .00  1282.60  1283.18      .58      .00      .00  1285.00
    9600.       0.    9600.       0.       0.    1570.       0.       0.       0.   1285.00
      .00      .00     6.12      .00     .000     .018     .000     .000  1271.20   131.87
  .001416       0.       0.       0.        0        0        0      .00   563.12   694.99


*SECNO 7760.000
CHIMP CLSTA=     250.00 CELCH=    1271.28 BW=     100.00 STCHL=      92.00 STCHR=    1285.00
EXCAVATION DATA
AEX=    1213.1SQ-FT     VEXR=       3.6K*CU-YD     VEXT=        3.6K*CU-YD


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

  7760.00    11.55  1282.83      .00      .00  1283.30      .47      .11      .01  1285.00
    9600.       0.    9600.       0.       0.    1738.       0.       3.       1.   1285.00
      .00      .00     5.52      .00     .000     .018     .000     .000  1271.28   129.68
  .001356      80.      80.      80.        2        0        0      .00   704.15   833.83


*SECNO 7772.000
CHIMP CLSTA=     250.00 CELCH=    1271.29 BW=     100.00 STCHL=      91.70 STCHR=    1285.00
EXCAVATION DATA
AEX=    1779.4SQ-FT     VEXR=        .7K*CU-YD     VEXT=        4.2K*CU-YD


3302 WARNING:  CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE


3370 NORMAL BRIDGE, NRD=   4 MIN ELTRD=  1284.70 MAX ELLC=  1284.70
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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=      1284.70 ELREA=      1285.00

  7772.00    11.36  1282.65      .00       .00  1283.39      .74       .01       .08  1284.70
   9600.       0.    9600.       0.        0.    1394.       0.        3.        1.   1285.00
     .00      .00     6.89      .00      .000     .018     .000      .000  1271.29   177.28
  .000358     12.      12.      12.         2        0        0       .00   145.44   322.72


*SECNO 8100.000
CHIMP CLSTA=     250.00 CELCH=    1271.64 BW=     100.00 STCHL=      92.50 STCHR=    1520.00
EXCAVATION DATA
AEX=    1078.6SQ-FT     VEXR=      18.5K*CU-YD     VEXT=       22.8K*CU-YD


3301 HV CHANGED MORE THAN HVINS


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

  8100.00    11.73  1283.37      .00       .00  1283.59      .22       .15       .05  1285.00
   9600.       0.    9600.       0.        0.    2548.       0.       19.        6.   1285.00
     .03      .00     3.77      .00      .000     .018     .000      .000  1271.64   123.50
  .000557    350.     350.     350.         2        0        0       .00   941.56  1065.06


*SECNO 8600.000
CHIMP CLSTA=     250.00 CELCH=    1272.14 BW=     100.00 STCHL=      92.50 STCHR=    1680.00
EXCAVATION DATA
AEX=    1024.4SQ-FT     VEXR=      19.5K*CU-YD     VEXT=       42.2K*CU-YD


3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA=      1285.20 ELREA=      1285.50

  8600.00    11.52  1283.66      .00       .00  1283.86      .20       .26       .00  1285.20
   9600.       0.    9600.       0.        0.    2688.       0.       49.       17.   1285.50
     .07      .00     3.57      .00      .000     .018     .000      .000  1272.14   119.19
  .000489    500.     500.     500.         2        0        0       .00   977.27  1096.46


*SECNO 8700.000
CHIMP CLSTA=     250.00 CELCH=    1272.24 BW=     100.00 STCHL=      91.00 STCHR=    1570.00
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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=    1053.1SQ-FT     VEXR=       3.8K*CU-YD     VEXT=       46.1K*CU-YD


3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA=      1283.80 ELREA=      1285.00

  8700.00    11.46  1283.71      .00      .00  1283.91      .21      .05      .00  1283.80
    9600.       0.    9600.       0.       0.    2639.       0.      55.      19.   1285.00
      .08      .00     3.64      .00     .000     .018     .000     .000  1272.24   102.04
  .000539     100.     100.     100.        0        0        0      .00  1003.38  1105.43


*SECNO 8920.000
CHIMP CLSTA=     250.00 CELCH=    1272.46 BW=     100.00 STCHL=      91.00 STCHR=    1700.00
EXCAVATION DATA
AEX=     993.0SQ-FT     VEXR=       8.3K*CU-YD     VEXT=       54.4K*CU-YD


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

  8920.00    11.38  1283.84      .00      .00  1284.02      .18      .11      .00  1284.10
    9600.       0.    9600.       0.       0.    2834.       0.      69.      24.   1286.00
      .09      .00     3.39      .00     .000     .018     .000     .000  1272.46    93.29
  .000461     220.     220.     220.        2        0        0      .00  1068.86  1162.14


*SECNO 9140.000
CHIMP CLSTA=     250.00 CELCH=    1272.68 BW=     100.00 STCHL=      92.00 STCHR=    1700.00
EXCAVATION DATA
AEX=     977.2SQ-FT     VEXR=       8.0K*CU-YD     VEXT=       62.4K*CU-YD


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

  9140.00    11.27  1283.95      .00      .00  1284.12      .17      .10      .00  1284.10
    9600.       0.    9600.       0.       0.    2873.       0.      84.      30.   1286.00
      .11      .00     3.34      .00     .000     .018     .000     .000  1272.68    93.73
  .000455     220.     220.     220.        0        0        0      .00  1095.25  1188.98


*SECNO 9360.000
CHIMP CLSTA=     250.00 CELCH=    1272.90 BW=     100.00 STCHL=      92.00 STCHR=    1650.00
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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=     998.3SQ-FT     VEXR=       8.0K*CU-YD     VEXT=       70.5K*CU-YD


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

  9360.00    11.18  1284.08      .00      .00  1284.21      .13      .08      .00  1284.00
    9600.    2660.    6940.       0.     754.    2661.       0.     100.      35.   1286.00
      .13     3.53     2.61      .00     .030     .018     .000     .000  1272.90     2.95
  .000286     220.     220.     220.        2        0        0      .00  1127.08  1130.03


*SECNO 9460.000
CHIMP CLSTA=     250.00 CELCH=    1273.00 BW=     100.00 STCHL=      92.00 STCHR=    1490.00
EXCAVATION DATA
AEX=    1145.9SQ-FT     VEXR=       4.0K*CU-YD     VEXT=       74.5K*CU-YD


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

  9460.00    11.09  1284.09      .00      .00  1284.25      .16      .03      .01  1284.00
    9600.    2923.    6677.       0.     755.    2383.       0.     107.      38.   1286.00
      .14     3.87     2.80      .00     .030     .018     .000     .000  1273.00     2.93
  .000344     100.     100.     100.        2        0        0      .00  1046.94  1049.87


*SECNO 9600.000
CHIMP CLSTA=     250.00 CELCH=    1273.14 BW=     100.00 STCHL=        .00 STCHR=     300.03
EXCAVATION DATA
AEX=    1112.7SQ-FT     VEXR=       5.9K*CU-YD     VEXT=       80.3K*CU-YD


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    10.90  1284.04      .00      .00  1284.32      .28      .04      .04  1287.10
    9600.       0.    9600.       0.       0.    2253.       0.     116.      40.   1301.80
      .15      .00     4.26      .00     .000     .018     .000     .000  1273.14     3.06
  .000195     140.     140.     140.        2        0        0      .00   296.95   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


*SECNO 9770.000
CHIMP CLSTA=     250.00 CELCH=    1273.31 BW=     100.00 STCHL=        .00 STCHR=     300.03
EXCAVATION DATA
AEX=    1093.0SQ-FT     VEXR=       6.9K*CU-YD     VEXT=       87.3K*CU-YD


3470 ENCROACHMENT STATIONS=         .0     290.0  TYPE=      1  TARGET=      289.999
 ELENCL=   1285.00  ELENCR=   1301.80

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

  9770.00    10.76  1284.07      .00      .00  1284.35      .28      .03      .00  1287.10
    9600.       0.    9600.       0.       0.    2245.       0.     125.      41.   1301.80
      .16      .00     4.28      .00     .000     .018     .000     .000  1273.31     3.02
  .000197     170.     170.     170.        1        0        0      .00   296.99   300.01


*SECNO 9800.000
CHIMP CLSTA=     250.00 CELCH=    1273.34 BW=     100.00 STCHL=        .00 STCHR=    1800.00
EXCAVATION DATA
AEX=      19.1SQ-FT     VEXR=        .6K*CU-YD     VEXT=       87.9K*CU-YD


3302 WARNING:  CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE


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

  9800.00    11.03  1284.37      .00      .00  1284.38      .01      .00      .03  1287.00
    9600.       0.    9600.       0.       0.   13009.       0.     130.      42.   1286.00
      .17      .00      .74      .00     .000     .018     .000     .000  1273.34     2.67
  .000006      30.      30.      30.        2        0        0      .00  1771.30  1773.97


*SECNO 9885.000
CHIMP CLSTA=     200.00 CELCH=    1280.00 BW=     115.00 STCHL=        .00 STCHR=    1220.00
EXCAVATION DATA
AEX=     140.5SQ-FT     VEXR=        .3K*CU-YD     VEXT=       88.1K*CU-YD


3302 WARNING:  CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE
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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= 1287.00 ELREA= 1285.00

9885.00	9.48	1284.18	.00	.00	1284.46	.28	.00	.08	1287.00
9600.	0.	9600.	0.	0.	2256.	0.	145.	44.	1286.00
.18	.00	4.26	.00	.000	.018	.000	.000	1274.70	2.86
.000711	85.	85.	85.	2	0	0	.00	830.25	833.11

#SECNO 9900.000

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

9900.00	9.36	1284.16	.00	.00	1284.52	.36	.03	.02	1286.80
9600.	0.	9600.	0.	0.	1999.	0.	147.	45.	1286.00
.18	.00	4.80	.00	.000	.018	.000	.000	1274.80	2.64
.001006	39.	39.	39.	2	0	0	.00	797.77	800.41

#SECNO 10000.000

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

10000.00	9.50	1284.30	.00	.00	1284.62	.32	.10	.00	1286.80
9600.	0.	9600.	0.	0.	2110.	0.	151.	47.	1286.00
.19	.00	4.55	.00	.000	.018	.000	.000	1274.80	2.50
.000899	100.	100.	100.	2	0	0	.00	839.95	842.45

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T1      DESIGN CONDITIONS  Q = 9830 CFS
T2      CORPS OF ENGINEERS DATUM
T3      ARIZONA CANAL INTERCEPTOR CHANNEL

J1  ICHECK    INQ      NINV     IDIR     STRT     METRIC   HVINS    Q        WSEL     FQ

      0        4                                                        1282.80

J2  NPROF     IPLOT    PRFVS    XSECV    XSECH    FN       ALLDC    IBW      CHNIM    ITRACE

     15        0       -1                                                 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

*PROF 3


CCHV=     .100 CEHV=     .300
*SECNO 7680.000
CHIMP CLSTA=     220.00 CELCH=    1271.20 BW=     100.00 STCHL=      92.20 STCHR=    1285.00
EXCAVATION DATA
AEX=    1192.0SQ-FT     VEXR=        .0K*CU-YD     VEXT=         .0K*CU-YD


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

  7680.00    11.60  1282.80      .00  1282.80  1283.32      .52      .00      .00  1285.00
    9830.       0.    9830.       0.       0.    1694.       0.       0.       0.   1285.00
      .00      .00     5.80      .00     .000     .018     .000     .000  1271.20   131.38
  .001490       0.       0.       0.        0        0        0      .00   684.65   816.03


*SECNO 7760.000
CHIMP CLSTA=     250.00 CELCH=    1271.28 BW=     100.00 STCHL=      92.00 STCHR=    1285.00
EXCAVATION DATA
AEX=    1213.1SQ-FT     VEXR=       3.6K*CU-YD     VEXT=        3.6K*CU-YD


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

  7760.00    11.74  1283.02      .00      .00  1283.44      .42      .11      .01  1285.00
    9830.       0.    9830.       0.       0.    1887.       0.       3.       1.   1285.00
      .00      .00     5.21      .00     .000     .018     .000     .000  1271.28   129.06
  .001299      80.      80.      80.        2        0        0      .00   809.54   938.61


*SECNO 7772.000
CHIMP CLSTA=     250.00 CELCH=    1271.29 BW=     100.00 STCHL=      91.70 STCHR=    1285.00
EXCAVATION DATA
AEX=    1779.4SQ-FT     VEXR=        .7K*CU-YD     VEXT=        4.2K*CU-YD


3302 WARNING:  CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE


3370 NORMAL BRIDGE, NRD=   4 MIN ELTRD=  1284.70 MAX ELLC=  1284.70
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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=      1284.70 ELREA=      1285.00

  7772.00    11.51  1282.80      .00      .00  1283.55      .75      .01      .10  1284.70
   9830.       0.    9830.       0.       0.    1416.       0.       4.       2.   1285.00
     .00      .00     6.94      .00     .000     .018     .000     .000  1271.29   176.98
  .000359     12.      12.      12.        2        0        0      .00   146.04   323.02


*SECNO 8100.000
CHIMP CLSTA=     250.00 CELCH=    1271.64 BW=     100.00 STCHL=      92.50 STCHR=    1520.00
EXCAVATION DATA
AEX=    1078.6SQ-FT     VEXR=      18.5K*CU-YD     VEXT=       22.8K*CU-YD


3301 HV CHANGED MORE THAN HVINS


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

  8100.00    11.91  1283.55      .00      .00  1283.75      .20      .15      .05  1285.00
   9830.       0.    9830.       0.       0.    2706.       0.      20.       6.   1285.00
     .03      .00     3.63      .00     .000     .018     .000     .000  1271.64   123.35
  .000511    350.     350.     350.        3        0        0      .00   990.97  1114.32


*SECNO 8600.000
CHIMP CLSTA=     250.00 CELCH=    1272.14 BW=     100.00 STCHL=      92.50 STCHR=    1680.00
EXCAVATION DATA
AEX=    1024.4SQ-FT     VEXR=      19.5K*CU-YD     VEXT=       42.2K*CU-YD


3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA=      1285.20 ELREA=      1285.50

  8600.00    11.67  1283.81      .00      .00  1284.00      .19      .24      .00  1285.20
   9830.       0.    9830.       0.       0.    2838.       0.      52.      18.   1285.50
     .07      .00     3.46      .00     .000     .018     .000     .000  1272.14   118.84
  .000455    500.     500.     500.        2        0        0      .00  1023.09  1141.92


*SECNO 8700.000
CHIMP CLSTA=     250.00 CELCH=    1272.24 BW=     100.00 STCHL=      91.00 STCHR=    1570.00
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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=    1053.1SQ-FT     VEXR=       3.8K*CU-YD     VEXT=       46.1K*CU-YD


3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA=      1283.80 ELREA=      1285.00

  8700.00    11.67  1283.91      .00      .00  1284.04      .12      .03      .01  1283.80
    9830.    2601.    7229.       0.     765.    2851.       0.      60.      20.  1285.00
      .08     3.40     2.54      .00     .030     .018     .000     .000  1272.24     1.89
  .000260     100.     100.     100.        2        0        0      .00  1170.25  1172.13


*SECNO 8920.000
CHIMP CLSTA=     250.00 CELCH=    1272.46 BW=     100.00 STCHL=      91.00 STCHR=    1700.00
EXCAVATION DATA
AEX=     993.0SQ-FT     VEXR=       8.3K*CU-YD     VEXT=       54.4K*CU-YD


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

  8920.00    11.49  1283.95      .00      .00  1284.12      .17      .07      .02  1284.10
    9830.       0.    9830.       0.       0.    2950.       0.      76.      26.  1286.00
      .10      .00     3.33      .00     .000     .018     .000     .000  1272.46    92.33
  .000437     220.     220.     220.        2        0        0      .00  1095.91  1188.23


*SECNO 9140.000
CHIMP CLSTA=     250.00 CELCH=    1272.68 BW=     100.00 STCHL=      92.00 STCHR=    1700.00
EXCAVATION DATA
AEX=     977.2SQ-FT     VEXR=       8.0K*CU-YD     VEXT=       62.4K*CU-YD


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

  9140.00    11.37  1284.05      .00      .00  1284.22      .17      .10      .00  1284.10
    9830.       0.    9830.       0.       0.    2979.       0.      91.      31.  1286.00
      .12      .00     3.30      .00     .000     .018     .000     .000  1272.68    92.59
  .000430     220.     220.     220.        2        0        0      .00  1108.94  1201.52


*SECNO 9360.000
CHIMP CLSTA=     250.00 CELCH=    1272.90 BW=     100.00 STCHL=      92.00 STCHR=    1650.00
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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=     998.3SQ-FT     VEXR=       8.0K*CU-YD     VEXT=       70.5K*CU-YD


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

  9360.00    11.27  1284.17      .00      .00  1284.30      .13      .07      .00  1284.00
    9830.    2655.    7175.       0.     762.    2759.       0.     108.      37.   1286.00
      .14     3.48     2.60      .00     .030     .018     .000     .000  1272.90     2.85
  .000275     220.     220.     220.        2        0        0      .00  1139.44  1142.30


*SECNO 9460.000
CHIMP CLSTA=     250.00 CELCH=    1273.00 BW=     100.00 STCHL=      92.00 STCHR=    1490.00
EXCAVATION DATA
AEX=    1145.9SQ-FT     VEXR=       4.0K*CU-YD     VEXT=       74.5K*CU-YD


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

  9460.00    11.18  1284.18      .00      .00  1284.34      .15      .03      .01  1284.00
    9830.    2930.    6900.       0.     764.    2473.       0.     115.      40.   1286.00
      .15     3.84     2.79      .00     .030     .018     .000     .000  1273.00     2.84
  .000334     100.     100.     100.        2        0        0      .00  1067.55  1070.39


*SECNO 9600.000
CHIMP CLSTA=     250.00 CELCH=    1273.14 BW=     100.00 STCHL=        .00 STCHR=     300.03
EXCAVATION DATA
AEX=    1112.7SQ-FT     VEXR=       5.9K*CU-YD     VEXT=       80.3K*CU-YD


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    10.98  1284.12      .00      .00  1284.41      .29      .04      .04  1287.10
    9830.       0.    9830.       0.       0.    2278.       0.     124.      42.   1301.80
      .16      .00     4.31      .00     .000     .018     .000     .000  1273.14     2.98
  .000197     140.     140.     140.        2        0        0      .00   297.03   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


*SECNO 9770.000
CHIMP CLSTA=     250.00 CELCH=    1273.31 BW=     100.00 STCHL=        .00 STCHR=     300.03
EXCAVATION DATA
AEX=    1093.0SQ-FT     VEXR=       6.9K*CU-YD     VEXT=       87.3K*CU-YD


3470 ENCROACHMENT STATIONS=         .0     290.0  TYPE=      1  TARGET=      289.999
 ELENCL=   1285.00  ELENCR=   1301.80

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

  9770.00    10.84  1284.16      .00      .00  1284.45      .29      .03      .00  1287.10
    9830.       0.    9830.       0.       0.    2270.       0.     133.      43.   1301.80
      .17      .00     4.33      .00     .000     .018     .000     .000  1273.31     2.94
  .000199     170.     170.     170.        1        0        0      .00   297.07   300.01


*SECNO 9800.000
CHIMP CLSTA=     250.00 CELCH=    1273.34 BW=     100.00 STCHL=        .00 STCHR=    1800.00
EXCAVATION DATA
AEX=      19.1SQ-FT     VEXR=        .6K*CU-YD     VEXT=       87.9K*CU-YD


3302 WARNING:  CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE


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

  9800.00    11.13  1284.47      .00      .00  1284.48      .01      .00      .03  1287.00
    9830.       0.    9830.       0.       0.   13176.       0.     138.      44.   1286.00
      .18      .00      .75      .00     .000     .018     .000     .000  1273.34     2.57
  .000006      30.      30.      30.        2        0        0      .00  1772.90  1775.47


*SECNO 9885.000
CHIMP CLSTA=     200.00 CELCH=    1280.00 BW=     115.00 STCHL=        .00 STCHR=    1220.00
EXCAVATION DATA
AEX=     140.5SQ-FT     VEXR=        .3K*CU-YD     VEXT=       88.1K*CU-YD


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

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

9885.00	9.58	1284.28	.00	.00	1284.56	.27	.00	.08	1287.00
9830.	0.	9830.	0.	0.	2340.	0.	153.	46.	1286.00
.19	.00	4.20	.00	.000	.018	.000	.000	1274.70	2.76
.000707	85.	85.	85.	2	0	0	.00	874.96	877.72

*SECNO 9900.000

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

9900.00	9.46	1284.26	.00	.00	1284.61	.35	.03	.02	1286.80
9830.	0.	9830.	0.	0.	2082.	0.	155.	47.	1286.00
.19	.00	4.72	.00	.000	.018	.000	.000	1274.80	2.54
.000970	39.	39.	39.	2	0	0	.00	829.39	831.93

*SECNO 10000.000

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

10000.00	9.59	1284.39	.00	.00	1284.71	.31	.09	.00	1286.80
9830.	0.	9830.	0.	0.	2192.	0.	160.	49.	1286.00
.19	.00	4.48	.00	.000	.018	.000	.000	1274.80	2.41
.000870	100.	100.	100.	2	0	0	.00	869.63	872.04

THIS RUN EXECUTED 9/26/90 15: 0:51

****
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
	7680.000	1282.44	1282.89	5.38	9.17	11.24	465.91	220.00	100.00	92.20	1285.00	1285.00	1285.00
	7680.000	1282.60	1283.18	6.12	14.16	11.40	563.12	220.00	100.00	92.20	1285.00	1285.00	1285.00
	7680.000	1282.80	1283.32	5.80	14.90	11.60	684.65	220.00	100.00	92.20	1285.00	1285.00	1285.00
	7760.000	1282.57	1282.97	5.08	9.32	11.29	544.32	250.00	100.00	92.00	1285.00	1285.00	1285.00
	7760.000	1282.83	1283.30	5.52	13.56	11.55	704.15	250.00	100.00	92.00	1285.00	1285.00	1285.00
	7760.000	1283.02	1283.44	5.21	12.99	11.74	809.54	250.00	100.00	92.00	1285.00	1285.00	1285.00
*	7772.000	1282.48	1283.01	5.84	2.62	11.19	144.76	250.00	100.00	91.70	1284.70	1285.00	1285.00
*	7772.000	1282.65	1283.39	6.89	3.58	11.36	145.44	250.00	100.00	91.70	1284.70	1285.00	1285.00
*	7772.000	1282.80	1283.55	6.94	3.59	11.51	146.04	250.00	100.00	91.70	1284.70	1285.00	1285.00
*	8100.000	1282.96	1283.17	3.67	5.37	11.32	815.53	250.00	100.00	92.50	1285.00	1520.00	1285.00
	8100.000	1283.37	1283.59	3.77	5.57	11.73	941.56	250.00	100.00	92.50	1285.00	1520.00	1285.00
	8100.000	1283.55	1283.75	3.63	5.11	11.91	990.97	250.00	100.00	92.50	1285.00	1520.00	1285.00
	8600.000	1283.24	1283.42	3.47	4.71	11.10	847.94	250.00	100.00	92.50	1285.20	1680.00	1285.50
	8600.000	1283.66	1283.86	3.57	4.89	11.52	977.27	250.00	100.00	92.50	1285.20	1680.00	1285.50
	8600.000	1283.81	1284.00	3.46	4.55	11.67	1023.09	250.00	100.00	92.50	1285.20	1680.00	1285.50
	8700.000	1283.28	1283.48	3.56	5.12	11.04	849.76	250.00	100.00	91.00	1283.80	1570.00	1285.00
	8700.000	1283.71	1283.91	3.64	5.39	11.46	1003.38	250.00	100.00	91.00	1283.80	1570.00	1285.00
	8700.000	1283.91	1284.04	2.54	2.60	11.67	1170.25	250.00	100.00	91.00	1283.80	1570.00	1285.00
	8920.000	1283.42	1283.59	3.33	4.84	10.95	960.34	250.00	100.00	91.00	1284.10	1700.00	1286.00
	8920.000	1283.84	1284.02	3.39	4.61	11.38	1068.86	250.00	100.00	91.00	1284.10	1700.00	1286.00
	8920.000	1283.95	1284.12	3.33	4.37	11.49	1095.91	250.00	100.00	91.00	1284.10	1700.00	1286.00
	9140.000	1283.53	1283.70	3.30	4.83	10.84	985.29	250.00	100.00	92.00	1284.10	1700.00	1286.00
	9140.000	1283.95	1284.12	3.34	4.55	11.27	1095.25	250.00	100.00	92.00	1284.10	1700.00	1286.00
	9140.000	1284.05	1284.22	3.30	4.30	11.37	1108.94	250.00	100.00	92.00	1284.10	1700.00	1286.00

	SECNO	CWSEL	EG	VCH	10*KS	DEPTH	TOPWID	CLSTA	BW	STCHL	XLBEL	STCHR	RBEL
	9360.000	1283.62	1283.82	3.61	5.97	10.72	922.55	250.00	100.00	92.00	1284.00	1650.00	1286.00
	9360.000	1284.08	1284.21	2.61	2.86	11.18	1127.08	250.00	100.00	92.00	1284.00	1650.00	1286.00
	9360.000	1284.17	1284.30	2.60	2.75	11.27	1139.44	250.00	100.00	92.00	1284.00	1650.00	1286.00
	9460.000	1283.65	1283.90	4.02	7.34	10.65	823.48	250.00	100.00	92.00	1284.00	1490.00	1286.00
	9460.000	1284.09	1284.25	2.80	3.44	11.09	1046.94	250.00	100.00	92.00	1284.00	1490.00	1286.00
	9460.000	1284.18	1284.34	2.79	3.34	11.18	1067.55	250.00	100.00	92.00	1284.00	1490.00	1286.00
*	9600.000	1283.74	1283.95	3.70	1.54	10.59	296.65	250.00	100.00	.00	1287.10	300.03	1301.80
	9600.000	1284.04	1284.32	4.26	1.95	10.90	296.95	250.00	100.00	.00	1287.10	300.03	1301.80
	9600.000	1284.12	1284.41	4.31	1.97	10.98	297.03	250.00	100.00	.00	1287.10	300.03	1301.80
	9770.000	1283.76	1283.98	3.72	1.58	10.45	296.67	250.00	100.00	.00	1287.10	300.03	1301.80
	9770.000	1284.07	1284.35	4.28	1.97	10.76	296.99	250.00	100.00	.00	1287.10	300.03	1301.80
	9770.000	1284.16	1284.45	4.33	1.99	10.84	297.07	250.00	100.00	.00	1287.10	300.03	1301.80
*	9800.000	1283.99	1284.00	.65	.05	10.65	1764.78	250.00	100.00	.00	1287.00	1800.00	1286.00
*	9800.000	1284.37	1284.38	.74	.06	11.03	1771.30	250.00	100.00	.00	1287.00	1800.00	1286.00
*	9800.000	1284.47	1284.48	.75	.06	11.13	1772.90	250.00	100.00	.00	1287.00	1800.00	1286.00
*	9885.000	1283.82	1284.07	4.05	6.35	9.12	719.54	200.00	115.00	.00	1287.00	1220.00	1286.00
*	9885.000	1284.18	1284.46	4.26	7.11	9.48	830.25	200.00	115.00	.00	1287.00	1220.00	1286.00
*	9885.000	1284.28	1284.56	4.20	7.07	9.58	874.96	200.00	115.00	.00	1287.00	1220.00	1286.00
	9900.000	1283.79	1284.13	4.65	9.96	8.99	715.75	.00	.01	.00	1286.80	1220.00	1286.00
	9900.000	1284.16	1284.52	4.80	10.06	9.36	797.77	.00	.01	.00	1286.80	1220.00	1286.00
	9900.000	1284.26	1284.61	4.72	9.70	9.46	829.39	.00	.01	.00	1286.80	1220.00	1286.00
	10000.000	1283.92	1284.22	4.41	8.64	9.12	735.40	.00	.01	.00	1286.80	1220.00	1286.00
	10000.000	1284.30	1284.62	4.55	8.99	9.50	839.95	.00	.01	.00	1286.80	1220.00	1286.00
	10000.000	1284.39	1284.71	4.48	8.70	9.59	869.63	.00	.01	.00	1286.80	1220.00	1286.00

ARIZONA CANAL INTERCEPTO

SUMMARY PRINTOUT TABLE 150

	SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRIWS	EG	10*KS	VCH	AREA	.01K
	7680.000	.00	.00	.00	1271.20	8000.00	1282.44	.00	1282.89	9.17	5.38	1487.16	2642.53
	7680.000	.00	.00	.00	1271.20	9600.00	1282.60	.00	1283.18	14.16	6.12	1569.50	2550.83
	7680.000	.00	.00	.00	1271.20	9830.00	1282.80	.00	1283.32	14.90	5.80	1694.32	2546.46
	7760.000	80.00	.00	.00	1271.28	8000.00	1282.57	.00	1282.97	9.32	5.08	1573.69	2620.38
	7760.000	80.00	.00	.00	1271.28	9600.00	1282.83	.00	1283.30	13.56	5.52	1737.75	2607.31
	7760.000	80.00	.00	.00	1271.28	9830.00	1283.02	.00	1283.44	12.99	5.21	1887.31	2727.90
*	7772.000	12.00	1284.70	1284.70	1271.29	8000.00	1282.48	.00	1283.01	2.62	5.84	1369.49	4938.15
*	7772.000	12.00	1284.70	1284.70	1271.29	9600.00	1282.65	.00	1283.39	3.58	6.89	1394.24	5070.59
*	7772.000	12.00	1284.70	1284.70	1271.29	9830.00	1282.80	.00	1283.55	3.59	6.94	1415.93	5187.47
*	8100.000	350.00	.00	.00	1271.64	8000.00	1282.96	.00	1283.17	5.37	3.67	2180.14	3451.96
	8100.000	350.00	.00	.00	1271.64	9600.00	1283.37	.00	1283.59	5.57	3.77	2547.79	4068.69
	8100.000	350.00	.00	.00	1271.64	9830.00	1283.55	.00	1283.75	5.11	3.63	2706.44	4349.44
	8600.000	500.00	.00	.00	1272.14	8000.00	1283.24	.00	1283.42	4.71	3.47	2302.91	3687.57
	8600.000	500.00	.00	.00	1272.14	9600.00	1283.66	.00	1283.86	4.89	3.57	2688.14	4342.92
	8600.000	500.00	.00	.00	1272.14	9830.00	1283.81	.00	1284.00	4.55	3.46	2837.70	4610.65
	8700.000	100.00	.00	.00	1272.24	8000.00	1283.28	.00	1283.48	5.12	3.56	2247.74	3536.22
	8700.000	100.00	.00	.00	1272.24	9600.00	1283.71	.00	1283.91	5.39	3.64	2638.53	4136.88
	8700.000	100.00	.00	.00	1272.24	9830.00	1283.91	.00	1284.04	2.60	2.54	3616.62	6091.27
	8920.000	220.00	.00	.00	1272.46	8000.00	1283.42	.00	1283.59	4.84	3.33	2398.92	3635.65
	8920.000	220.00	.00	.00	1272.46	9600.00	1283.84	.00	1284.02	4.61	3.39	2834.14	4470.79
	8920.000	220.00	.00	.00	1272.46	9830.00	1283.95	.00	1284.12	4.37	3.33	2949.88	4700.53
	9140.000	220.00	.00	.00	1272.68	8000.00	1283.53	.00	1283.70	4.83	3.30	2425.90	3641.69
	9140.000	220.00	.00	.00	1272.68	9600.00	1283.95	.00	1284.12	4.55	3.34	2872.89	4499.85
	9140.000	220.00	.00	.00	1272.68	9830.00	1284.05	.00	1284.22	4.30	3.30	2978.88	4740.65
	9360.000	220.00	.00	.00	1272.90	8000.00	1283.62	.00	1283.82	5.97	3.61	2216.78	3273.57
	9360.000	220.00	.00	.00	1272.90	9600.00	1284.08	.00	1284.21	2.86	2.61	3414.59	5675.75
	9360.000	220.00	.00	.00	1272.90	9830.00	1284.17	.00	1284.30	2.75	2.60	3521.53	5925.76
	9460.000	100.00	.00	.00	1273.00	8000.00	1283.65	.00	1283.90	7.34	4.02	1991.82	2952.20
	9460.000	100.00	.00	.00	1273.00	9600.00	1284.09	.00	1284.25	3.44	2.80	3138.33	5177.66
	9460.000	100.00	.00	.00	1273.00	9830.00	1284.18	.00	1284.34	3.34	2.79	3236.93	5381.65
*	9600.000	140.00	.00	.00	1273.14	8000.00	1283.74	.00	1283.95	1.54	3.70	2164.78	6441.10
	9600.000	140.00	.00	.00	1273.14	9600.00	1284.04	.00	1284.32	1.95	4.26	2252.67	6872.50
	9600.000	140.00	.00	.00	1273.14	9830.00	1284.12	.00	1284.41	1.97	4.31	2278.34	7000.44
	9770.000	170.00	.00	.00	1273.31	8000.00	1283.76	.00	1283.98	1.58	3.72	2150.77	6373.96
	9770.000	170.00	.00	.00	1273.31	9600.00	1284.07	.00	1284.35	1.97	4.28	2244.61	6833.22
	9770.000	170.00	.00	.00	1273.31	9830.00	1284.16	.00	1284.45	1.99	4.33	2270.21	6960.55

	SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRIWS	EG	10*KS	VCH	AREA	.01K
*	9800.000	30.00	.00	.00	1273.34	8000.00	1283.99	.00	1284.00	.05	.65	12331.90	37099.20
*	9800.000	30.00	.00	.00	1273.34	9600.00	1284.37	.00	1284.38	.06	.74	13009.16	40455.16
*	9800.000	30.00	.00	.00	1273.34	9830.00	1284.47	.00	1284.48	.06	.75	13175.72	41296.78
*	9885.000	85.00	.00	.00	1274.70	8000.00	1283.82	.00	1284.07	6.35	4.05	1976.95	3175.64
*	9885.000	85.00	.00	.00	1274.70	9600.00	1284.18	.00	1284.46	7.11	4.26	2255.69	3599.89
*	9885.000	85.00	.00	.00	1274.70	9830.00	1284.28	.00	1284.56	7.07	4.20	2340.20	3697.20
	9900.000	39.00	.00	.00	1274.80	8000.00	1283.79	.00	1284.13	9.96	4.65	1721.28	2534.53
	9900.000	39.00	.00	.00	1274.80	9600.00	1284.16	.00	1284.52	10.06	4.80	1999.22	3027.36
	9900.000	39.00	.00	.00	1274.80	9830.00	1284.26	.00	1284.61	9.70	4.72	2081.95	3156.75
	10000.000	100.00	.00	.00	1274.80	8000.00	1283.92	.00	1284.22	8.64	4.41	1815.70	2721.21
	10000.000	100.00	.00	.00	1274.80	9600.00	1284.30	.00	1284.62	8.99	4.55	2110.27	3201.74
	10000.000	100.00	.00	.00	1274.80	9830.00	1284.39	.00	1284.71	8.70	4.48	2191.87	3333.19

ARIZONA CANAL INTERCEPTO

SUMMARY PRINTOUT TABLE 150

	SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
	7680.000	8000.00	1282.44	.00	.00	.00	465.91	.00
	7680.000	9600.00	1282.60	.16	.00	.00	563.12	.00
	7680.000	9830.00	1282.80	.20	.00	.00	684.65	.00
	7760.000	8000.00	1282.57	.00	.13	.00	544.32	80.00
	7760.000	9600.00	1282.83	.26	.23	.00	704.15	80.00
	7760.000	9830.00	1283.02	.19	.22	.00	809.54	80.00
*	7772.000	8000.00	1282.48	.00	-.08	.00	144.76	12.00
*	7772.000	9600.00	1282.65	.17	-.18	.00	145.44	12.00
*	7772.000	9830.00	1282.80	.15	-.22	.00	146.04	12.00
*	8100.000	8000.00	1282.96	.00	.48	.00	815.53	350.00
	8100.000	9600.00	1283.37	.41	.72	.00	941.56	350.00
	8100.000	9830.00	1283.55	.17	.75	.00	990.97	350.00
	8600.000	8000.00	1283.24	.00	.28	.00	847.94	500.00
	8600.000	9600.00	1283.66	.42	.29	.00	977.27	500.00
	8600.000	9830.00	1283.81	.15	.26	.00	1023.09	500.00
	8700.000	8000.00	1283.28	.00	.04	.00	849.76	100.00
	8700.000	9600.00	1283.71	.43	.05	.00	1003.38	100.00
	8700.000	9830.00	1283.91	.21	.11	.00	1170.25	100.00
	8920.000	8000.00	1283.42	.00	.14	.00	960.34	220.00
	8920.000	9600.00	1283.84	.43	.14	.00	1068.86	220.00
	8920.000	9830.00	1283.95	.11	.04	.00	1095.91	220.00
	9140.000	8000.00	1283.53	.00	.11	.00	985.29	220.00
	9140.000	9600.00	1283.95	.42	.11	.00	1095.25	220.00
	9140.000	9830.00	1284.05	.10	.10	.00	1108.94	220.00
	9360.000	8000.00	1283.62	.00	.09	.00	922.55	220.00
	9360.000	9600.00	1284.08	.46	.13	.00	1127.08	220.00
	9360.000	9830.00	1284.17	.09	.12	.00	1139.44	220.00
	9460.000	8000.00	1283.65	.00	.03	.00	823.48	100.00
	9460.000	9600.00	1284.09	.44	.01	.00	1046.94	100.00
	9460.000	9830.00	1284.18	.09	.01	.00	1067.55	100.00
*	9600.000	8000.00	1283.74	.00	.08	.00	296.65	140.00
	9600.000	9600.00	1284.04	.30	-.05	.00	296.95	140.00
	9600.000	9830.00	1284.12	.09	-.06	.00	297.03	140.00
	9770.000	8000.00	1283.76	.00	.02	.00	296.67	170.00
	9770.000	9600.00	1284.07	.31	.03	.00	296.99	170.00
	9770.000	9830.00	1284.16	.09	.03	.00	297.07	170.00

	SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
*	9800.000	8000.00	1283.99	.00	.23	.00	1764.78	30.00
*	9800.000	9600.00	1284.37	.38	.30	.00	1771.30	30.00
*	9800.000	9830.00	1284.47	.09	.31	.00	1772.90	30.00
*	9885.000	8000.00	1283.82	.00	-.17	.00	719.54	85.00
*	9885.000	9600.00	1284.18	.37	-.19	.00	830.25	85.00
*	9885.000	9830.00	1284.28	.10	-.18	.00	874.96	85.00
	9900.000	8000.00	1283.79	.00	-.03	.00	715.75	39.00
	9900.000	9600.00	1284.16	.37	-.02	.00	797.77	39.00
	9900.000	9830.00	1284.26	.10	-.02	.00	829.39	39.00
	10000.000	8000.00	1283.92	.00	.13	.00	735.40	100.00
	10000.000	9600.00	1284.30	.38	.14	.00	839.95	100.00
	10000.000	9830.00	1284.39	.10	.13	.00	869.63	100.00

SUMMARY OF ERRORS AND SPECIAL NOTES

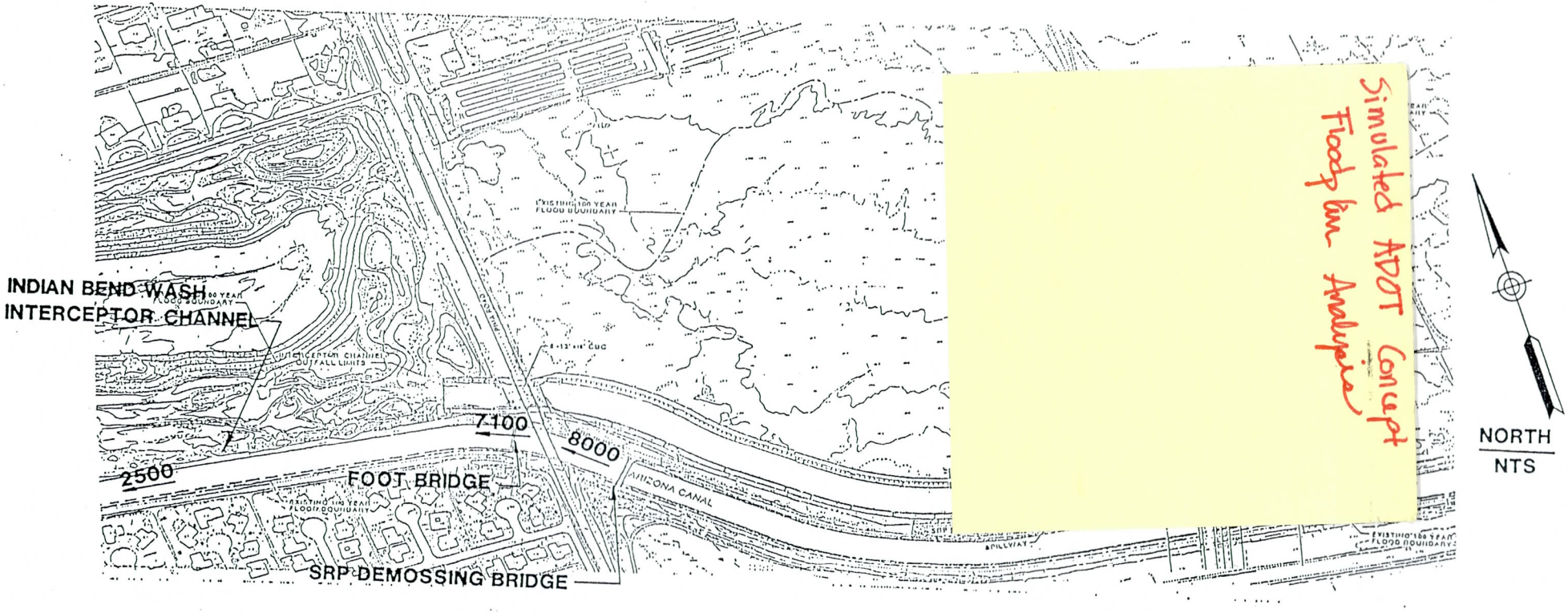
```
WARNING SECNO=   7772.000  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=   7772.000  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=   7772.000  PROFILE=  3  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

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

WARNING SECNO=   9600.000  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=   9800.000  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=   9800.000  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=   9800.000  PROFILE=  3  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=   9885.000  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=   9885.000  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=   9885.000  PROFILE=  3  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
```



Simulated ADOT Concept Floodplain Analysis

PROFILE I

Q:2500 CFS THRU Q:7100 CFS — DOWNSTREAM OF PIMA ROAD

Q:7100 CFS THRU Q:8000 CFS — UPSTREAM OF PIMA ROAD

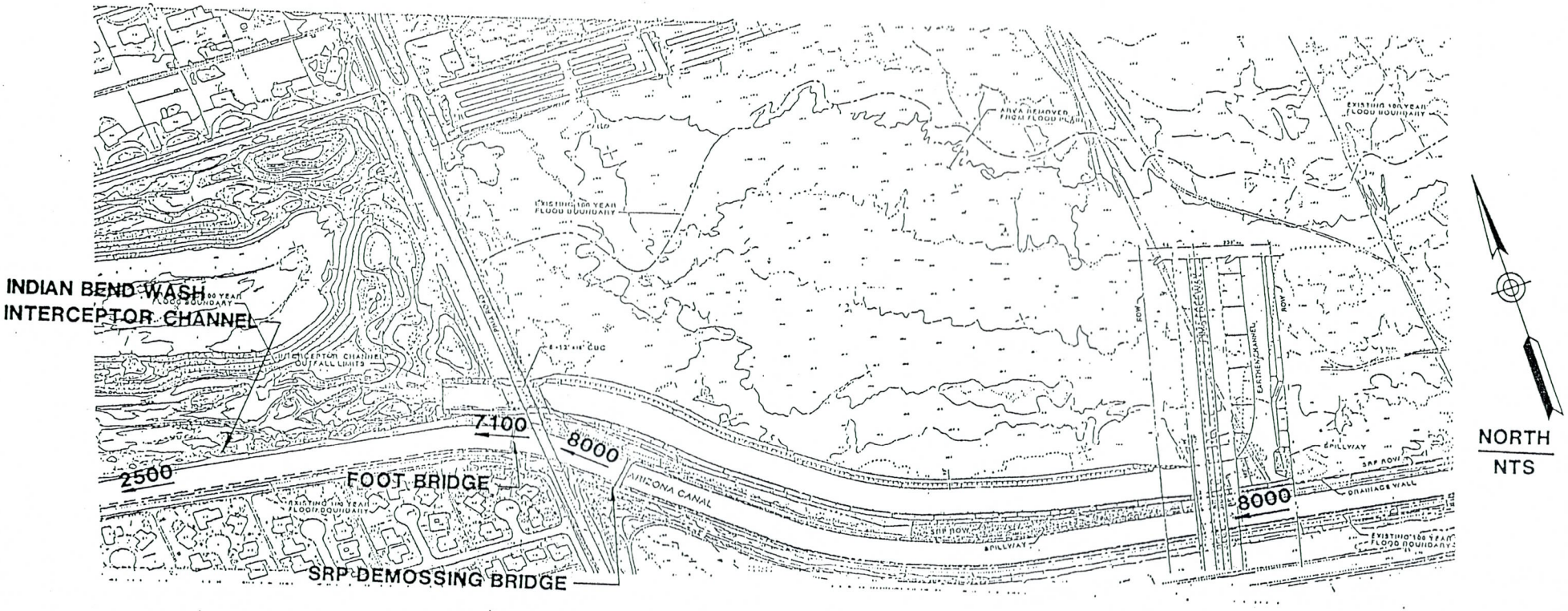
LEGEND

2500 FLOW,CFS

——— FLOW PATH

APPENDIX I

HEC-2 COMPUTER MODEL
SIMULATED ADOT CONCEPT
FLOOD PLAIN ANALYSIS



PROFILE I

Q:2500 CFS THRU Q:7100 CFS } DOWNSTREAM OF PIMA ROAD

Q:7100 CFS THRU Q:8000 CFS } UPSTREAM OF PIMA ROAD

LEGEND

2500 FLOW,CFS

——— FLOW PATH

APPENDIX I

HEC-2 COMPUTER MODEL
SIMULATED ADOT CONCEPT
FLOOD PLAIN ANALYSIS

```
****************************************************
*  WATER SURFACE PROFILES                          *
*  VERSION OF SEPTEMBER 1988                       *
*                                                  *
*                                                  *
*  RUN DATE     9/26/90   TIME   15:10: 3          *
****************************************************
```

```
*************************************
*  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 9/26/90 15:10: 3

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

*************************************************

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

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

      THIS FILE IS NAMED:  APNEWIF.IN


      THIS MODEL SIMULATES FLOODPLAIN CONDITIONS WITH DESIGN IN PLACE


      DATUM IS CORPS OF ENGINEERS (COE)


      THIS MODEL BEGINS AT THE SRP INDIAN BEND SIPHON RADIAL GATES AND
      CONTINUES FOR ARIZONA CANAL AND AZ CANAL INT CHANNEL (ADOT) AT
      PIMA ROAD.


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                                                          1280.5  0

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     0.018       .1        .3
QT        1      2500

        SRP INDIAN BEND SIPHON RADIAL GATES 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 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         0         0         0       200       200       200
X3       10

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

NC        0         0         0        .3        .5

        HAYDEN BRIDGE DOWNSTREAM

X1   1895.0        39       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    1283.2       274    1280.2   274.001
GR   1274.2       301    1283.3   301.001    1283.3       303    1274.0   303.001    1270.1       313
GR   1270.0       333    1283.3   333.001    1283.3       335    1270.0   335.001    1270.0       368
GR   1283.3   368.001    1283.3       370    1269.5   370.001    1269.1       389    1269.5       407
GR   1283.3   407.001    1283.3       409    1269.5   409.001    1270.0       430    1283.3   430.001
GR   1283.3       432    1270.1   432.001    1270.1       455    1274.0       465    1283.3   465.001
GR   1283.3       467    1274.2   467.001    1283.0   493.999    1283.3       494
```

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   1281.1       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       89      635      635      635
X3      10
GR   1283.1        0   1272.4       11   1272.4       81   1282.7       89

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

X1   6117.0        5        0     88.3      107      107      107
X3      10
GR   1284.2        0   1273.2       11   1273.2       81   1280.5     88.3   1279.5      126

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   1280.8     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   1280.7     88.3   1279.9    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   1280.8     88.3   1280.6    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   1281.0     88.6   1280.8    113.8

QT       1     5150

        END COE SPILLWAY UPSTREAM

X1   7217.0        5        0     88.6      220      220      220
X3      10
GR   1285.0        0   1273.7     11.3   1273.7     81.3   1281.0     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   1280.8    113.8

X1   7431.0       10        0     92.3      180      180      180
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   1285.2      210

        FOOT BRIDGE DOWNSTREAM
```

```
X1   7452.0      10       0     92.3     161     161     161
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

X1   7458.0       0       0       0       6       6       6
X2                          1283.9  1284.9
X3      10

NC                              .3      .5
```

PIMA ROAD DOWNSTREAM

```
X1   7499.0      38       0      92      80      80      80
X2                          1284.0  1286.0                                      15
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
```

PIMA ROAD UPSTREAM

```
X1   7532.0                                     33      33      33
X2                          1284.0  1286.0                                      15
X3      10

NC       0       0       0      .1      .3
QT       1    8000
X1   7680.0      11    92.2    1285     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   332.0  1283.0     937  1284.0    1000
GR   1285.0    1285
```

SRP DEMOSSING BRIDGE DOWNSTREAM

```
X1   7760.0      11      92    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
```

SRP DEMOSSING BRIDGE UPSTREAM

```
X1   7772.0      16    91.9    1285      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  1283.7     124
GR   1284.0     126  1285.5     137  1285.0     332  1285.0     937  1285.0    1000
GR   1285.0    1285

X1   8100.0      12    92.5    1520     350     350     350
CI
X3      10
GR   1285.5       0  1274.0    11.5  1274.0    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 DOWNSTREAM NORTH BANK
AND ARIZONA CANAL SPILLWAY (ADOT) DOWNSTREAM NORTH BANK

```
X1   8600.0      13    92.5    1680     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     650  1283.0     896
GR   1284.0    1200  1285.0    1600  1285.5    1680

X1   8700.0      12      91    1700     100     100     100
CI
X3      10
GR   1285.8       0  1274.3    11.5  1274.3    81.5  1283.8    91.0  1281.1     117
GR   1280.8     250  1281.0     380  1282.0     580  1283.0     956  1284.0    1200
GR   1285.0    1400  1286.0    1700
```

```
X1   8920.0      12      91    1700     220     220     220
CI
X3      10
GR   1286.0       0  1274.4    11.5  1274.4    81.5  1283.9    91.0  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

X1   9140.0      12      92    1600     220     220     220
CI
X3      10
GR   1286.0       0  1274.5    12.5  1274.5    82.5  1284.0    92.0  1282.0     117
GR   1280.9     250  1281.0     380  1282.0     580  1283.0     956  1284.0    1200
GR   1285.0    1230  1286.0    1600

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

        END PROPOSED SPILLWAY

X1   9460.0       0       0       0     100     100     100
CI
X3      10

        PROPOSED PIMA FREEWAY DOWNSTREAM

X1   9600.0      12    90.5    1450     140     140     140
CI                                   0.001
X3      10                       0  1286.0     290  1301.8  1285.0  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  1286.0     290  1301.8  1285.0  1285.0
```

```
X1   9800.0      14      90    1800      30      30      30
CI
X3      10                                                      1285.0   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   9885.0      12      90    1220      85      85      85
CI     200  1280.0   0.018   0.001   0.001                 115
X3      10                                                      1285.0   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   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    1060
GR   1286.0    1220

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

NH       2   0.018      90   0.030    1550
X1   10600.      11     100    1550     600     600     600
X3      10
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     100    1550     500     500     500
X3      10
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 UPSTREAM NORTH BANK

```
X1   11200.      12    90.8    1550     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   1282.0     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     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

NH      2    0.018     90.8    0.030     1680

        BEGIN ARIZONA CANAL SPILLWAY # 2  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   1283.2      100
GR  1282.0     230   1283.0      590   1284.0      850   1285.0     1190   1286.0     1380
GR  1287.0    1500   1288.0     1680

NH      2    0.018     89.5    0.030     1680
X1  12400.      11     89.5     1680      100      100      100
X3     10
GR  1287.2       0   1275.7     11.5   1275.7     81.5   1283.7     89.5   1283.3      100
GR  1282.0     230   1283.0      590   1284.0      850   1285.0     1190   1286.0     1380
GR  1287.0    1680

NH      2    0.018     89.5    0.030     1500
X1  12900.      12     89.5     1500      500      500      500
X3     10
GR  1287.4       0   1275.9     11.5   1275.9     81.5   1283.9     89.5   1283.4      100
GR  1282.2     230   1283.0      590   1284.0      850   1285.0     1190   1285.5     1270
GR  1286.0    1380   1287.0     1500

NH      2    0.018      89    0.030     1680

        C/L DOBSON ROAD EXTENDED & 96TH STREET EXTENDED

X1  13200.      12      89     1680      300      300      300
X3     10
GR  1287.0       0   1276.0       11   1276.0      81   1284.0      89   1283.5      100
GR  1282.3     230   1283.0      590   1284.0      850   1285.0     1190   1286.0     1380
GR  1287.0    1500   1287.5     1680
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NH       2     0.018        89     0.030      1680
X1   13600.        12        89      1680       400       400       400
X3      10
GR   1287.0         0    1276.2        11    1276.2        81    1284.2        89    1283.7       100
GR   1282.2       230    1283.0       590    1284.0       850    1285.0      1190    1286.0      1380
GR   1287.0      1500    1288.0      1680

NH       2     0.018        92     0.030      1680


        END ARIZONA CANAL SPILLWAY # 2 UPSTREAM NORTH BANK (ESTIMATED)


X1   13700.        12        92      1680       100       100       100
X3      10
GR   1287.1         0    1276.2        11    1276.2        81    1287.2        92    1283.6       100
GR   1282.2       230    1283.0       590    1284.0       850    1285.0      1190    1286.0      1380
GR   1287.0      1500    1288.7      1680

X1   13800.         0         0         0       100       100       100
X3      10
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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


*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

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA=      1282.90 ELREA=      1281.10

  2900.00     9.00  1281.00      .00      .00  1281.20      .20      .05      .00  1282.90
    2500.       0.    2500.       0.       0.     703.       0.      38.       5.  1281.10
      .18      .00     3.55      .00     .000     .018     .000     .000  1272.00     1.89
  .000128     400.     400.     400.        1        0        0      .00    87.02    88.91


FLOW DISTRIBUTION FOR SECNO=   2900.00          CWSEL=   1281.00

STA=       2.      89.
  PER Q=    100.0
   AREA=    703.4
    VEL=      3.6
  DEPTH=      8.1

*SECNO 3155.100

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


 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      .21       .09       .00  1283.10
   2500.       0.    2500.       0.        0.     681.       0.      56.        7.  1282.70
     .27      .00     3.67      .00      .000     .018     .000     .000  1272.40     2.01
 .000140     635.     635.     635.         0        0        0      .00    85.79    87.79
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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.      89.
  PER Q=    100.0
   AREA=    681.4
    VEL=      3.7
  DEPTH=      7.9

*SECNO 4350.000

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

  4350.00     8.70  1281.20      .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    88.89    90.46


FLOW DISTRIBUTION FOR SECNO=   4350.00          CWSEL=   1281.20

STA=       2.      93.
  PER Q=    100.0
   AREA=    690.3
    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.     695.       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    92.34    93.51


FLOW DISTRIBUTION FOR SECNO=   4800.00          CWSEL=   1281.26

STA=       1.      95.
  PER Q=    100.0
   AREA=    694.7
    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.       9.  1283.10
      .37      .00     3.77      .00     .000     .018     .000     .000  1272.90     1.91
  .000154     500.     500.     500.        0        0        0      .00    87.36    89.27


FLOW DISTRIBUTION FOR SECNO=   5300.00          CWSEL=   1281.32

STA=       2.      91.
  PER Q=    100.0
   AREA=    663.3
    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.      84.      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    88.69


FLOW DISTRIBUTION FOR SECNO=   5850.00          CWSEL=   1281.40

STA=       2.      91.
  PER Q=    100.0
   AREA=    648.5
    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     8.21  1281.41      .00      .00  1281.64      .24      .01      .00  1284.20
    2500.       0.    2500.       0.       0.     642.       0.      85.      11.   1284.00
      .41      .00     3.89      .00     .000     .018     .000     .000  1273.20     2.79
  .000170      50.      50.      50.        0        0        0      .00    86.42    89.21


FLOW DISTRIBUTION FOR SECNO=   5900.00          CWSEL=   1281.41

STA=       3.      92.
  PER Q=    100.0
   AREA=    642.0
    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     8.23  1281.43      .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    86.45    89.22


FLOW DISTRIBUTION FOR SECNO=   6010.00          CWSEL=   1281.43

STA=       3.      92.
  PER Q=    100.0
   AREA=    643.4
    VEL=      3.9
  DEPTH=      7.4

*SECNO 6117.000
3280 CROSS SECTION   6117.00 EXTENDED      1.95 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=      1280.50

  6117.00     8.26  1281.46      .00      .00  1281.68      .22      .02      .00  1284.20
    2500.       0.    2458.      42.       0.     645.      55.      88.      11.   1280.50
      .43      .00     3.81      .77     .000     .018     .030     .000  1273.20     2.75
  .000159     107.     107.     107.        1        0        0      .00   123.25   126.00


FLOW DISTRIBUTION FOR SECNO=   6117.00          CWSEL=   1281.46

STA=       3.      88.     126.
  PER Q=     98.3      1.7
   AREA=    645.2     54.7
    VEL=      3.8       .8
  DEPTH=      7.5      1.5

*SECNO 6337.000
3280 CROSS SECTION   6337.00 EXTENDED      1.77 FEET


3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA=      1284.20 ELREA=      1280.80

  6337.00     8.07  1281.37      .00      .00  1281.79      .42      .05      .06  1284.20
    3303.       0.    3279.      24.       0.     629.      27.      92.      12.   1280.80
      .44      .00     5.21      .91     .000     .018     .030     .000  1273.30     2.86
  .000306     220.     220.     220.        2        0        0      .00   108.14   111.00


FLOW DISTRIBUTION FOR SECNO=   6337.00          CWSEL=   1281.37

STA=       3.      88.     111.
  PER Q=     99.3       .7
   AREA=    629.2     26.5
    VEL=      5.2       .9
  DEPTH=      7.4      1.2

*SECNO 6557.000
3280 CROSS SECTION   6557.00 EXTENDED      1.41 FEET
```

Spillway

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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
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TW ≠ Maps.

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3495 OVERBANK AREA ASSUM                                                    280.70

  6557.00     7.91  1281.                                                     .06  1284.50
    3930.       0.    390                                                     12.   1280.70
      .45      .00     6.                                                   73.40     3.16
  .000463     220.     22                                                   2.24   115.40


FLOW DISTRIBUTION FOR SECN

STA=        3.      88.
  PER Q=     99.3       .7
   AREA=    616.1     27.5
    VEL=      6.3      1.0
  DEPTH=      7.2      1.0

*SECNO 6777.000
3280 CROSS SECTION   6777.00 EXTENDED       .69 FEET


3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA=      1284.50 ELREA=      1280.80

  6777.00     7.79  1281.29      .00      .00  1282.11      .82      .12      .06  1284.50
    4425.       0.    4412.      13.       0.     606.      15.      98.      13.   1280.80
      .46      .00     7.28      .86     .000     .018     .030     .000  1273.50     3.21
  .000624     220.     220.     220.        2        0        0      .00   110.29   113.50


FLOW DISTRIBUTION FOR SECNO=   6777.00          CWSEL=   1281.29

STA=        3.      88.     114.
  PER Q=     99.7       .3
   AREA=    605.9     14.9
    VEL=      7.3       .9
  DEPTH=      7.1       .6

*SECNO 6997.000
3280 CROSS SECTION   6997.00 EXTENDED       .51 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=      1280.70

  6557.00     7.91  1281.31      .00      .00  1281.93      .62      .08      .06  1284.50
    3930.       0.    3901.      29.       0.     616.      27.      95.      12.  1280.70
      .45      .00     6.33     1.04     .000     .018     .030     .000  1273.40     3.16
  .000463     220.     220.     220.        2        0        0      .00   112.24   115.40


FLOW DISTRIBUTION FOR SECNO=   6557.00          CWSEL=   1281.31

STA=       3.      88.     115.
  PER Q=     99.3       .7
   AREA=    616.1     27.5
    VEL=      6.3      1.0
  DEPTH=      7.2      1.0

*SECNO 6777.000
3280 CROSS SECTION   6777.00 EXTENDED       .69 FEET


3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA=      1284.50 ELREA=      1280.80

  6777.00     7.79  1281.29      .00      .00  1282.11      .82      .12      .06  1284.50
    4425.       0.    4412.      13.       0.     606.      15.      98.      13.  1280.80
      .46      .00     7.28      .86     .000     .018     .030     .000  1273.50     3.21
  .000624     220.     220.     220.        2        0        0      .00   110.29   113.50


FLOW DISTRIBUTION FOR SECNO=   6777.00          CWSEL=   1281.29

STA=       3.      88.     114.
  PER Q=     99.7       .3
   AREA=    605.9     14.9
    VEL=      7.3       .9
  DEPTH=      7.1       .6

*SECNO 6997.000
3280 CROSS SECTION   6997.00 EXTENDED       .51 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= 1281.00

6997.00	7.71	1281.31	.00	.00	1282.32	1.01	.15	.06	1285.00
4832.	0.	4824.	8.	0.	599.	10.	101.	13.	1281.00
.46	.00	8.06	.76	.000	.018	.030	.000	1273.60	3.65
.000775	220.	220.	220.	2	0	0	.00	110.15	113.80

FLOW DISTRIBUTION FOR SECNO= 6997.00 CWSEL= 1281.31

STA=	4.	89.	114.
PER Q=	99.8	.2	
AREA=	598.7	10.4	
VEL=	8.1	.8	
DEPTH=	7.0	.4	

*SECNO 7217.000
3280 CROSS SECTION 7217.00 EXTENDED 1.41 FEET

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

7217.00	7.71	1281.41	.00	.00	1282.54	1.13	.18	.04	1285.00
5150.	0.	5120.	30.	0.	599.	23.	105.	14.	1281.00
.47	.00	8.55	1.32	.000	.018	.030	.000	1273.70	3.59
.000872	220.	220.	220.	2	0	0	.00	110.21	113.80

FLOW DISTRIBUTION FOR SECNO= 7217.00 CWSEL= 1281.41

STA=	4.	89.	114.
PER Q=	99.4	.6	
AREA=	599.0	22.9	
VEL=	8.5	1.3	
DEPTH=	7.0	.9	

*SECNO 7329.000
3280 CROSS SECTION 7329.00 EXTENDED .74 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=      1284.00

  7329.00     7.84  1281.54      .00      .00  1282.64     1.10      .10      .00  1285.00
    5150.       0.    5150.       0.       0.     612.       0.     106.      14.   1284.00
      .47      .00     8.41      .00     .000     .018     .000     .000  1273.70     3.46
  .000837     112.     112.     112.        2        0        0      .00    86.20    89.67


FLOW DISTRIBUTION FOR SECNO=   7329.00          CWSEL=   1281.54

STA=       3.      92.
  PER Q=    100.0
   AREA=    612.0
    VEL=      8.4
  DEPTH=      7.1

*SECNO 7431.000

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

  7431.00     8.03  1281.73      .00      .00  1282.79     1.06      .15      .00  1285.00
    5150.       0.    5150.       0.       0.     624.       0.     109.      15.   1284.70
      .48      .00     8.26      .00     .000     .018     .000     .000  1273.70     3.42
  .000785     180.     180.     180.        2        0        0      .00    85.91    89.33


FLOW DISTRIBUTION FOR SECNO=   7431.00          CWSEL=   1281.73

STA=       3.      92.
  PER Q=    100.0
   AREA=    623.7
    VEL=      8.3
  DEPTH=      7.3

*SECNO 7452.000

3370 NORMAL BRIDGE, NRD=   0 MIN ELTRD=  1284.90 MAX ELLC=  1283.90
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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=      1284.70

  7452.00     8.20  1281.90      .00      .00  1282.91     1.01      .12      .00  1285.00
    5150.       0.    5150.       0.       0.     639.       0.     111.      15.   1284.70
      .49      .00     8.06      .00     .000     .018     .000     .000  1273.70     3.23
  .000729     161.     161.     161.        2        0        0      .00    86.27    89.50


FLOW DISTRIBUTION FOR SECNO=   7452.00          CWSEL=   1281.90

STA=       3.      92.
  PER Q=    100.0
   AREA=    638.9
    VEL=      8.1
  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     8.21  1281.91      .00      .00  1282.92     1.01      .00      .00  1285.00
    5150.       0.    5150.       0.       0.     639.       0.     111.      15.   1284.70
      .49      .00     8.06      .00     .000     .018     .000     .000  1273.70     3.23
  .000728       6.       6.       6.        0        0        0      .00    86.28    89.51


FLOW DISTRIBUTION FOR SECNO=   7458.00          CWSEL=   1281.91

STA=       3.      92.
  PER Q=    100.0
   AREA=    639.3
    VEL=      8.1
  DEPTH=      7.4

CCHV=     .300 CEHV=     .500
*SECNO 7499.000
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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


3265 DIVIDED FLOW


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

  7499.00     8.14  1281.94      .00      .00  1283.03     1.09      .07      .04  1285.00
   5150.       0.    5150.       0.       0.     614.       0.     112.      15.   1285.00
     .49      .00     8.38      .00     .000     .018     .000     .000  1273.80     3.06
 .001206      80.      80.      80.        2        0        0      .00    83.42    89.08


FLOW DISTRIBUTION FOR SECNO=   7499.00          CWSEL=   1281.94

STA=       3.      92.
  PER Q=    100.0
   AREA=    614.3
    VEL=      8.4
  DEPTH=      7.4

*SECNO 7532.000

3265 DIVIDED FLOW


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     8.20  1282.00      .00      .00  1283.08     1.07      .04      .01  1285.00
   5150.       0.    5150.       0.       0.     620.       0.     113.      15.   1285.00
     .49      .00     8.31      .00     .000     .018     .000     .000  1273.80     3.00
 .001177      33.      33.      33.        2        0        0      .00    83.54    89.14


FLOW DISTRIBUTION FOR SECNO=   7532.00          CWSEL=   1282.00
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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


STA=       3.      92.
  PER Q=    100.0
   AREA=    619.6
    VEL=      8.3
  DEPTH=      7.4

CCHV=     .100 CEHV=     .300
*SECNO 7680.000
CHIMP CLSTA=     220.00 CELCH=    1271.20 BW=     100.00 STCHL=      92.20 STCHR=    1285.00
EXCAVATION DATA
AEX=    1192.0SQ-FT     VEXR=        .0K*CU-YD     VEXT=         .0K*CU-YD


3301 HV CHANGED MORE THAN HVINS


3302 WARNING:  CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE


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

  7680.00    11.82  1283.02      .00      .00  1283.30      .29      .15      .08  1285.00
    8000.       0.    8000.       0.       0.    1855.       0.     117.      17.   1285.00
      .50      .00     4.31      .00     .000     .018     .000     .000  1271.20   130.85
  .000907     148.     148.     148.        4        0        0      .00   807.09   937.94


FLOW DISTRIBUTION FOR SECNO=   7680.00          CWSEL=   1283.02

STA=     131.    1285.
  PER Q=    100.0
   AREA=   1855.4
    VEL=      4.3
  DEPTH=      2.3

*SECNO 7760.000
CHIMP CLSTA=     250.00 CELCH=    1271.28 BW=     100.00 STCHL=      92.00 STCHR=    1285.00
EXCAVATION DATA
AEX=    1213.1SQ-FT     VEXR=       3.6K*CU-YD     VEXT=        3.6K*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=      1285.00 ELREA=      1285.00

  7760.00    11.83  1283.11      .00      .00  1283.37      .26      .07      .00  1285.00
    8000.       0.    8000.       0.       0.    1952.       0.     120.      18.   1285.00
      .50      .00     4.10      .00     .000     .018     .000     .000  1271.28   128.81
  .000776      80.      80.      80.        1        0        0      .00   814.79   943.61


FLOW DISTRIBUTION FOR SECNO=   7760.00          CWSEL=   1283.11

STA=     129.    1285.
  PER Q=    100.0
   AREA=   1951.7
    VEL=      4.1
  DEPTH=      2.4

*SECNO 7772.000
CHIMP CLSTA=     250.00 CELCH=    1271.29 BW=     100.00 STCHL=      91.90 STCHR=    1285.00
EXCAVATION DATA
AEX=    1779.4SQ-FT     VEXR=        .7K*CU-YD     VEXT=        4.2K*CU-YD


3302 WARNING:  CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE


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


3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA=      1284.90 ELREA=      1285.00

  7772.00    11.67  1282.96      .00      .00  1283.44      .48      .00      .07  1284.90
    8000.       0.    8000.       0.       0.    1440.       0.     121.      18.   1285.00
      .51      .00     5.56      .00     .000     .018     .000     .000  1271.29   176.66
  .000226      12.      12.      12.        2        0        0      .00   146.69   323.34


FLOW DISTRIBUTION FOR SECNO=   7772.00          CWSEL=   1282.96

STA=     177.    1285.
  PER Q=    100.0
   AREA=   1439.7
    VEL=      5.6
  DEPTH=      9.8
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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 8100.000
CHIMP CLSTA=     250.00 CELCH=    1271.64 BW=     100.00 STCHL=      92.50 STCHR=    1520.00
EXCAVATION DATA
AEX=    1078.6SQ-FT     VEXR=      18.5K*CU-YD     VEXT=       22.8K*CU-YD


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

  8100.00    11.79  1283.43      .00      .00  1283.58      .15      .10      .03  1285.00
    8000.       0.    8000.       0.       0.    2594.       0.     137.      23.   1285.00
      .54      .00     3.08      .00     .000     .018     .000     .000  1271.64   123.46
  .000372     350.     350.     350.        2        0        0      .00   956.07  1079.53


FLOW DISTRIBUTION FOR SECNO=   8100.00          CWSEL=   1283.43

STA=     123.    1520.
  PER Q=    100.0
   AREA=   2593.5
    VEL=      3.1
  DEPTH=      2.7

*SECNO 8600.000
CHIMP CLSTA=     250.00 CELCH=    1272.14 BW=     100.00 STCHL=      92.50 STCHR=    1680.00
EXCAVATION DATA
AEX=    1024.4SQ-FT     VEXR=      19.5K*CU-YD     VEXT=       42.2K*CU-YD


3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA=      1285.20 ELREA=      1285.50

  8600.00    11.47  1283.62      .00      .00  1283.76      .14      .18      .00  1285.20
    8000.       0.    8000.       0.       0.    2646.       0.     167.      34.   1285.50
      .58      .00     3.02      .00     .000     .018     .000     .000  1272.14   119.29
  .000351     500.     500.     500.        2        0        0      .00   964.03  1083.33


FLOW DISTRIBUTION FOR SECNO=   8600.00          CWSEL=   1283.62

STA=     119.    1680.
  PER Q=    100.0
   AREA=   2646.2
    VEL=      3.0
  DEPTH=      2.7
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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 8700.000
CHIMP CLSTA=     250.00 CELCH=    1272.24 BW=     100.00 STCHL=      91.00 STCHR=    1700.00
EXCAVATION DATA
AEX=    1010.9SQ-FT     VEXR=       3.8K*CU-YD     VEXT=       46.0K*CU-YD


3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA=      1283.80 ELREA=      1286.00

  8700.00    11.41  1283.66      .00      .00  1283.79      .14      .04      .00  1283.80
    8000.       0.    8000.       0.       0.    2675.       0.     173.      36.   1286.00
      .59      .00     2.99      .00     .000     .018     .000     .000  1272.24    92.42
  .000366     100.     100.     100.        0        0        0      .00  1022.75  1115.17


FLOW DISTRIBUTION FOR SECNO=   8700.00          CWSEL=   1283.66

STA=      92.    1700.
  PER Q=    100.0
   AREA=   2675.1
    VEL=      3.0
  DEPTH=      2.6

*SECNO 8920.000
CHIMP CLSTA=     250.00 CELCH=    1272.46 BW=     100.00 STCHL=      91.00 STCHR=    1700.00
EXCAVATION DATA
AEX=     993.0SQ-FT     VEXR=       8.2K*CU-YD     VEXT=       54.2K*CU-YD


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

  8920.00    11.28  1283.74      .00      .00  1283.87      .13      .08      .00  1283.90
    8000.       0.    8000.       0.       0.    2720.       0.     187.      41.   1286.00
      .61      .00     2.94      .00     .000     .018     .000     .000  1272.46    92.60
  .000355     220.     220.     220.        0        0        0      .00  1042.56  1135.16


FLOW DISTRIBUTION FOR SECNO=   8920.00          CWSEL=   1283.74

STA=      93.    1700.
  PER Q=    100.0
   AREA=   2719.6
    VEL=      2.9
  DEPTH=      2.6
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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 9140.000
CHIMP CLSTA=     250.00 CELCH=    1272.68 BW=     100.00 STCHL=      92.00 STCHR=    1600.00
EXCAVATION DATA
AEX=     977.2SQ-FT     VEXR=       8.0K*CU-YD     VEXT=       62.2K*CU-YD


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

  9140.00    11.14  1283.82      .00      .00  1283.95      .13      .08      .00  1284.00
    8000.       0.    8000.       0.       0.    2728.       0.     201.      47.   1286.00
      .63      .00     2.93      .00     .000     .018     .000     .000  1272.68    94.26
  .000361     220.     220.     220.        0        0        0      .00  1061.60  1155.86


FLOW DISTRIBUTION FOR SECNO=   9140.00          CWSEL=   1283.82

STA=      94.    1600.
  PER Q=    100.0
   AREA=   2727.6
    VEL=      2.9
  DEPTH=      2.6

*SECNO 9360.000
CHIMP CLSTA=     250.00 CELCH=    1272.90 BW=     100.00 STCHL=      92.00 STCHR=    1490.00
EXCAVATION DATA
AEX=    1159.8SQ-FT     VEXR=       8.7K*CU-YD     VEXT=       70.9K*CU-YD


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

  9360.00    10.97  1283.87      .00      .00  1284.08      .21      .10      .02  1284.00
    8000.       0.    8000.       0.       0.    2191.       0.     213.      51.   1286.00
      .65      .00     3.65      .00     .000     .018     .000     .000  1272.90    99.88
  .000597     220.     220.     220.        2        0        0      .00   894.66   994.54


FLOW DISTRIBUTION FOR SECNO=   9360.00          CWSEL=   1283.87

STA=     100.    1490.
  PER Q=    100.0
   AREA=   2191.0
    VEL=      3.7
  DEPTH=      2.4
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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


*SECNO 9460.000
CHIMP CLSTA=     250.00 CELCH=    1273.00 BW=     100.00 STCHL=      92.00 STCHR=    1490.00
EXCAVATION DATA
AEX=    1145.9SQ-FT     VEXR=       4.3K*CU-YD     VEXT=       75.2K*CU-YD


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

  9460.00    10.93  1283.93      .00      .00  1284.13      .20      .06      .00  1284.00
    8000.       0.    8000.       0.       0.    2228.       0.     218.      54.   1286.00
      .66      .00     3.59      .00     .000     .018     .000     .000  1273.00    96.51
  .000580     100.     100.     100.        1        0        0      .00   913.19  1009.70


FLOW DISTRIBUTION FOR SECNO=   9460.00          CWSEL=   1283.93

STA=      97.    1490.
  PER Q=    100.0
   AREA=   2227.9
    VEL=      3.6
  DEPTH=      2.4

*SECNO 9600.000
CHIMP CLSTA=     250.00 CELCH=    1273.14 BW=     100.00 STCHL=      90.50 STCHR=     470.00
EXCAVATION DATA
AEX=    1112.7SQ-FT     VEXR=       5.9K*CU-YD     VEXT=       81.0K*CU-YD


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

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

  9600.00    10.67  1283.81      .00      .00  1284.28      .47      .06      .08  1282.50
    8000.       0.    8000.       0.       0.    1456.       0.     224.      55.   1301.80
      .67      .00     5.49      .00     .000     .018     .000     .000  1273.14    90.50
  .000361     140.     140.     140.        2        0        0      .00   209.51   300.01


FLOW DISTRIBUTION FOR SECNO=   9600.00          CWSEL=   1283.81
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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=      91.     470.
  PER Q=    100.0
   AREA=   1456.1
    VEL=      5.5
  DEPTH=      6.9

*SECNO 9770.000
CHIMP CLSTA=     250.00 CELCH=    1273.31 BW=     100.00 STCHL=      90.50 STCHR=    1450.00
EXCAVATION DATA
AEX=    1093.0SQ-FT     VEXR=       6.9K*CU-YD     VEXT=       88.0K*CU-YD


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

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

  9770.00    10.56  1283.87      .00      .00  1284.34      .47      .06      .00  1282.50
    8000.       0.    8000.       0.       0.    1449.       0.     230.      56.   1301.80
      .67      .00     5.52      .00     .000     .018     .000     .000  1273.31    90.50
  .000367     170.     170.     170.        2        0        0      .00   209.51   300.01


FLOW DISTRIBUTION FOR SECNO=   9770.00          CWSEL=   1283.87

STA=      91.    1450.
  PER Q=    100.0
   AREA=   1448.6
    VEL=      5.5
  DEPTH=      6.9

*SECNO 9800.000
CHIMP CLSTA=     250.00 CELCH=    1273.34 BW=     100.00 STCHL=      90.00 STCHR=    1800.00
EXCAVATION DATA
AEX=      19.1SQ-FT     VEXR=        .6K*CU-YD     VEXT=       88.6K*CU-YD


3302 WARNING:  CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE
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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

  9800.00    11.04  1284.38      .00      .00  1284.39      .01      .00      .05  1282.50
    8000.       0.    8000.       0.       0.   12259.       0.     234.      57.  1286.00
      .69      .00      .65      .00     .000     .018     .000     .000  1273.34    90.00
  .000004      30.      30.      30.        2        0        0      .00  1684.12  1774.12


FLOW DISTRIBUTION FOR SECNO=   9800.00          CWSEL=   1284.38

STA=      90.    1800.
  PER Q=    100.0
   AREA=  12259.2
    VEL=       .7
  DEPTH=      7.3

*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=       88.8K*CU-YD


3302 WARNING:  CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE


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

  9885.00     4.04  1284.04      .00      .00  1284.54      .50      .00      .15  1282.50
    8000.       0.    8000.       0.       0.    1409.       0.     248.      59.  1286.00
      .69      .00     5.68      .00     .000     .018     .000     .000  1280.00    90.00
  .001804      85.      85.      85.        2        0        0      .00   681.59   771.59


FLOW DISTRIBUTION FOR SECNO=   9885.00          CWSEL=   1284.04

STA=      90.    1220.
  PER Q=    100.0
   AREA=   1408.7
    VEL=       5.7
  DEPTH=       2.1
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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 9900.000
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

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

 9900.00     3.58  1283.88  1283.88      .00  1284.75      .88      .10      .11  1282.50
   8000.       0.    8000.       0.       0.    1066.       0.     249.      60.   1286.00
     .69      .00     7.51      .00     .000     .018     .000     .000  1280.30    90.00
 .004208      39.      39.      39.        2       15        0      .00   641.80   731.80


FLOW DISTRIBUTION FOR SECNO=   9900.00          CWSEL=   1283.88

STA=      90.    1220.
  PER Q=    100.0
   AREA=   1065.5
    VEL=      7.5
  DEPTH=      1.7

*SECNO  10000.000

3301 HV CHANGED MORE THAN HVINS


3302 WARNING:  CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE


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

10000.00     4.37  1284.67      .00      .00  1285.04      .36      .23      .05  1282.50
   8000.       0.    8000.       0.       0.    1657.       0.     252.      61.   1286.00
     .70      .00     4.83      .00     .000     .018     .000     .000  1280.30    90.00
 .001444     100.     100.     100.        3        0        0      .00   867.94   957.94


FLOW DISTRIBUTION FOR SECNO=  10000.00          CWSEL=   1284.67

STA=      90.    1220.
  PER Q=    100.0
   AREA=   1657.0
    VEL=      4.8
  DEPTH=      1.9
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SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL		
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN		
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORA		

10600

1490 NH CARD USED
*SECNO 10600.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 1283.20 ELREA= 1286.90

10600.00	9.95	1284.95	.00	.00	1285.50	.55	.41	.06	1283.20
8000.	5686.	2314.	0.	813.	1680.	0.	281.	75.	1286.90
.73	7.00	1.38	.00	.018	.030	.000	.000	1275.00	2.04
.000391	600.	600.	600.	2	0	0	.00	1105.82	1107.87

FLOW DISTRIBUTION FOR SECNO= 10600.00 CWSEL= 1284.95

STA=	2.	12.	82.	90.	100.	1120.
PER Q=	2.3	65.8	2.5	.3	28.9	
AREA=	49.6	697.0	47.7	18.6	1680.1	
VEL=	3.8	7.6	4.3	1.5	1.4	
DEPTH=	5.0	10.0	6.0	1.9	1.7	

1490 NH CARD USED
*SECNO 11100.000

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 1283.20 ELREA= 1287.00

11100.00	10.09	1285.29	.00	.00	1285.68	.39	.17	.02	1283.20
8000.	5136.	2864.	0.	827.	2168.	0.	312.	89.	1287.00
.76	6.21	1.32	.00	.018	.030	.000	.000	1275.20	1.91
.000304	500.	500.	500.	2	0	0	.00	1243.52	1245.43

FLOW DISTRIBUTION FOR SECNO= 11100.00 CWSEL= 1285.29

STA=	2.	12.	82.	90.	100.	1380.
PER Q=	2.1	59.4	2.3	.4	35.8	
AREA=	50.9	706.4	48.7	20.9	2167.6	
VEL=	3.4	6.7	3.8	1.4	1.3	
DEPTH=	5.0	10.1	6.1	2.1	1.9	

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= 1283.20 ELREA= 1286.90

10600.00	9.95	1284.95	.00	.00	1285.50	.55	.41	.06	1283.20
8000.	5686.	2314.	0.	813.	1680.	0.	281.	75.	1286.90
.73	7.00	1.38	.00	.018	.030	.000	.000	1275.00	2.04
.000391	600.	600.	600.	2	0	0	.00	1105.82	1107.87

FLOW DISTRIBUTION FOR SECNO= 10600.00 CWSEL= 1284.95

STA=	2.	12.	82.	90.	100.	1120.
PER Q=	2.3	65.8	2.5	.3	28.9	
AREA=	49.6	697.0	47.7	18.6	1680.1	
VEL=	3.8	7.6	4.3	1.5	1.4	
DEPTH=	5.0	10.0	6.0	1.9	1.7	

1490 NH CARD USED
*SECNO 11100.000

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 1283.20 ELREA= 1287.00

11100.00	10.09	1285.29	.00	.00	1285.68	.39	.17	.02	1283.20
8000.	5136.	2864.	0.	827.	2168.	0.	312.	89.	1287.00
.76	6.21	1.32	.00	.018	.030	.000	.000	1275.20	1.91
.000304	500.	500.	500.	2	0	0	.00	1243.52	1245.43

FLOW DISTRIBUTION FOR SECNO= 11100.00 CWSEL= 1285.29

STA=	2.	12.	82.	90.	100.	1380.
PER Q=	2.1	59.4	2.3	.4	35.8	
AREA=	50.9	706.4	48.7	20.9	2167.6	
VEL=	3.4	6.7	3.8	1.4	1.3	
DEPTH=	5.0	10.1	6.1	2.1	1.9	

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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
3280 CROSS SECTION  11200.00 EXTENDED       .35 FEET

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 11200.00     5.05  1287.05  1287.05      .00  1287.16      .11      .01      .03  1285.50
    8000.    3634.    4366.       0.     962.    4445.       0.     322.      92.   1287.00
      .77     3.78      .98      .00     .018     .030     .000     .000  1282.00      .00
  .000089     100.     100.     100.       20       10        0      .00  1550.00  1550.00


FLOW DISTRIBUTION FOR SECNO=  11200.00          CWSEL=   1287.05

STA=       0.      12.      82.      91.    1550.
  PER Q=      1.8     42.0      1.7     54.6
   AREA=     70.2    829.6     62.3   4445.2
    VEL=      2.0      4.0      2.1      1.0
  DEPTH=      6.1     11.9      6.7      3.0

1490 NH CARD USED
*SECNO  11400.000
3280 CROSS SECTION  11400.00 EXTENDED       .27 FEET

 11400.00    11.77  1287.07      .00      .00  1287.18      .11      .02      .00  1285.60
    8000.    3584.    4416.       0.     955.    4418.       0.     347.      99.   1287.00
      .80     3.75     1.00      .00     .018     .030     .000     .000  1275.30      .00
  .000089     200.     200.     200.        0        0        0      .00  1500.00  1500.00


FLOW DISTRIBUTION FOR SECNO=  11400.00          CWSEL=   1287.07

STA=       0.      12.      82.      91.    1500.
  PER Q=      1.7     41.4      1.6     55.2
   AREA=     69.2    823.8     61.6   4418.3
    VEL=      2.0      4.0      2.1      1.0
  DEPTH=      6.0     11.8      6.6      3.1

1490 NH CARD USED
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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  11900.000
3280 CROSS SECTION  11900.00 EXTENDED       .12 FEET

 11900.00    11.62  1287.12      .00      .00  1287.22      .10      .04      .00  1285.80
    8000.    3491.    4509.       0.     941.    4483.       0.     408.     116.   1287.00
      .86     3.71     1.01      .00     .018     .030     .000     .000  1275.50      .00
  .000088     500.     500.     500.        0        0        0      .00  1500.00  1500.00


FLOW DISTRIBUTION FOR SECNO=  11900.00          CWSEL=   1287.12

STA=       0.      12.      82.      91.    1500.
  PER Q=      1.7     40.4      1.5     56.4
   AREA=     67.5    813.1     60.1   4483.3
    VEL=      2.0      4.0      2.1      1.0
  DEPTH=      5.9     11.6      6.5      3.2

1490 NH CARD USED
*SECNO  12300.000
3280 CROSS SECTION  12300.00 EXTENDED       .06 FEET


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

 12300.00    11.56  1287.16      .00      .00  1287.26      .10      .04      .00  1285.90
    8000.    3457.    4543.       0.     935.    4542.       0.     459.     130.   1288.00
      .91     3.70     1.00      .00     .018     .030     .000     .000  1275.60      .00
  .000088     400.     400.     400.        0        0        0      .00  1528.08  1528.08


FLOW DISTRIBUTION FOR SECNO=  12300.00          CWSEL=   1287.16

STA=       0.      12.      82.      91.    1680.
  PER Q=      1.7     40.0      1.5     56.8
   AREA=     66.8    808.9     59.6   4541.6
    VEL=      2.0      4.0      2.0      1.0
  DEPTH=      5.8     11.6      6.4      3.2

1490 NH CARD USED
*SECNO  12400.000
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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


3280 CROSS SECTION  12400.00 EXTENDED       .17 FEET

 12400.00    11.47  1287.17      .00      .00  1287.27      .10      .01      .00  1283.70
    8000.    3475.    4525.       0.     928.    4682.       0.     471.     134.   1287.00
      .93     3.74      .97      .00     .018     .030     .000     .000  1275.70      .03
  .000090     100.     100.     100.        0        0        0      .00  1679.97  1680.00


FLOW DISTRIBUTION FOR SECNO=  12400.00          CWSEL=   1287.17

STA=       0.      12.      82.      90.    1680.
  PER Q=      1.6     40.0      1.8     56.6
   AREA=     65.7    802.7     59.7   4682.1
    VEL=      2.0      4.0      2.4      1.0
  DEPTH=      5.7     11.5      7.5      2.9

1490 NH CARD USED
*SECNO  12900.000
3280 CROSS SECTION  12900.00 EXTENDED       .21 FEET

 12900.00    11.32  1287.22      .00      .00  1287.31      .10      .04      .00  1283.90
    8000.    3358.    4642.       0.     914.    4558.       0.     535.     152.   1287.00
      .99     3.67     1.02      .00     .018     .030     .000     .000  1275.90      .19
  .000088     500.     500.     500.        0        0        0      .00  1499.81  1500.00


FLOW DISTRIBUTION FOR SECNO=  12900.00          CWSEL=   1287.22

STA=       0.      12.      82.      90.    1500.
  PER Q=      1.6     38.7      1.7     58.0
   AREA=     64.0    791.7     58.5   4558.3
    VEL=      2.0      3.9      2.3      1.0
  DEPTH=      5.7     11.3      7.3      3.2

1490 NH CARD USED
*SECNO  13200.000
3280 CROSS SECTION  13200.00 EXTENDED       .24 FEET


3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA=      1284.00 ELREA=      1287.50
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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


 13200.00    11.24  1287.24       .00       .00  1287.34       .10       .03       .00  1284.00
    8000.    3392.    4608.        0.      908.    4593.        0.      573.      162.  1287.50
     1.03     3.74     1.00       .00      .018      .030      .000      .000  1276.00       .00
  .000092     300.     300.      300.         0         0         0       .00  1587.32  1587.32


FLOW DISTRIBUTION FOR SECNO=  13200.00          CWSEL=   1287.24

STA=       0.      11.      81.      89.    1680.
  PER Q=      1.6     39.1      1.7     57.6
   AREA=     63.2    787.0     57.9   4592.6
    VEL=      2.0      4.0      2.4      1.0
  DEPTH=      5.7     11.2      7.2      3.1

1490 NH CARD USED
*SECNO  13600.000
3280 CROSS SECTION  13600.00 EXTENDED       .28 FEET


3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA=      1284.20 ELREA=      1288.00

 13600.00    11.08  1287.28       .00       .00  1287.38       .09       .04       .00  1284.20
    8000.    3273.    4727.        0.      894.    4646.        0.      623.      177.  1288.00
     1.08     3.66     1.02       .00      .018      .030      .000      .000  1276.20       .00
  .000090     400.     400.      400.         0         0         0       .00  1549.75  1549.75


FLOW DISTRIBUTION FOR SECNO=  13600.00          CWSEL=   1287.28

STA=       0.      11.      81.      89.    1680.
  PER Q=      1.5     37.8      1.6     59.1
   AREA=     62.4    775.3     56.6   4645.9
    VEL=      2.0      3.9      2.3      1.0
  DEPTH=      5.7     11.1      7.1      3.2

1490 NH CARD USED
*SECNO  13700.000
3280 CROSS SECTION  13700.00 EXTENDED       .19 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=      1287.20 ELREA=      1288.70

 13700.00    11.10  1287.30      .00      .00  1287.39      .09      .01      .00  1287.20
    8000.    3249.    4751.       0.     900.    4652.       0.     636.     180.   1288.70
     1.10     3.61     1.02      .00     .018     .030     .000     .000  1276.20      .00
  .000089     100.     100.     100.        0        0        0      .00  1531.01  1531.01


FLOW DISTRIBUTION FOR SECNO=  13700.00          CWSEL=   1287.30

STA=       0.      11.      81.      92.    1680.
  PER Q=     1.5     37.6      1.5     59.4
   AREA=    62.1    776.5     61.5   4651.7
    VEL=     1.9      3.9      1.9      1.0
  DEPTH=     5.6     11.1      5.6      3.2

*SECNO  13800.000
3280 CROSS SECTION  13800.00 EXTENDED       .20 FEET


3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA=      1287.20 ELREA=      1288.70

 13800.00    11.11  1287.31      .00      .00  1287.40      .09      .01      .00  1287.20
    8000.    3242.    4758.       0.     901.    4669.       0.     649.     184.   1288.70
     1.11     3.60     1.02      .00     .018     .030     .000     .000  1276.20      .00
  .000088     100.     100.     100.        0        0        0      .00  1532.26  1532.26


FLOW DISTRIBUTION FOR SECNO=  13800.00          CWSEL=   1287.31

STA=       0.      11.      81.      92.    1680.
  PER Q=     1.5     37.5      1.5     59.5
   AREA=    62.2    777.3     61.7   4668.7
    VEL=     1.9      3.9      1.9      1.0
  DEPTH=     5.7     11.1      5.6      3.2
```

THIS RUN EXECUTED 9/26/90 15:10:13

****
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
	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	1.28	9.00	87.02	.00	.01	.00	1282.90	89.00	1281.10
	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	3.67	1.40	8.74	85.79	.00	.01	.00	1283.10	89.00	1282.70
	4350.000	1281.20	1281.40	3.62	1.38	8.70	88.89	.00	.01	.00	1282.80	93.00	1283.30
	4800.000	1281.26	1281.46	3.60	1.40	8.56	92.34	.00	.01	.00	1282.40	95.00	1282.20
	5300.000	1281.32	1281.54	3.77	1.54	8.42	87.36	.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	1281.41	1281.64	3.89	1.70	8.21	86.42	.00	.01	.00	1284.20	91.80	1284.00
	6010.000	1281.43	1281.66	3.89	1.69	8.23	86.45	.00	.01	.00	1284.20	91.80	1284.00
	6117.000	1281.46	1281.68	3.81	1.59	8.26	123.25	.00	.01	.00	1284.20	88.30	1280.50
	6337.000	1281.37	1281.79	5.21	3.06	8.07	108.14	.00	.01	.00	1284.20	88.30	1280.80
	6557.000	1281.31	1281.93	6.33	4.63	7.91	112.24	.00	.01	.00	1284.50	88.30	1280.70
	6777.000	1281.29	1282.11	7.28	6.24	7.79	110.29	.00	.01	.00	1284.50	88.30	1280.80
	6997.000	1281.31	1282.32	8.06	7.75	7.71	110.15	.00	.01	.00	1285.00	88.60	1281.00
	7217.000	1281.41	1282.54	8.55	8.72	7.71	110.21	.00	.01	.00	1285.00	88.60	1281.00
	7329.000	1281.54	1282.64	8.41	8.37	7.84	86.20	.00	.01	.00	1285.00	92.30	1284.00
	7431.000	1281.73	1282.79	8.26	7.85	8.03	85.91	.00	.01	.00	1285.00	92.30	1284.70
	7452.000	1281.90	1282.91	8.06	7.29	8.20	86.27	.00	.01	.00	1285.00	92.30	1284.70
	7458.000	1281.91	1282.92	8.06	7.28	8.21	86.28	.00	.01	.00	1285.00	92.30	1284.70
	7499.000	1281.94	1283.03	8.38	12.06	8.14	83.42	.00	.01	.00	1285.00	92.00	1285.00
	7532.000	1282.00	1283.08	8.31	11.77	8.20	83.54	.00	.01	.00	1285.00	92.00	1285.00
*	7680.000	1283.02	1283.30	4.31	9.07	11.82	807.09	220.00	100.00	92.20	1285.00	1285.00	1285.00
	7760.000	1283.11	1283.37	4.10	7.76	11.83	814.79	250.00	100.00	92.00	1285.00	1285.00	1285.00
*	7772.000	1282.96	1283.44	5.56	2.26	11.67	146.69	250.00	100.00	91.90	1284.90	1285.00	1285.00
	8100.000	1283.43	1283.58	3.08	3.72	11.79	956.07	250.00	100.00	92.50	1285.00	1520.00	1285.00
	8600.000	1283.62	1283.76	3.02	3.51	11.47	964.03	250.00	100.00	92.50	1285.20	1680.00	1285.50
	8700.000	1283.66	1283.79	2.99	3.66	11.41	1022.75	250.00	100.00	91.00	1283.80	1700.00	1286.00
	8920.000	1283.74	1283.87	2.94	3.55	11.28	1042.56	250.00	100.00	91.00	1283.90	1700.00	1286.00
	9140.000	1283.82	1283.95	2.93	3.61	11.14	1061.60	250.00	100.00	92.00	1284.00	1600.00	1286.00
	9360.000	1283.87	1284.08	3.65	5.97	10.97	894.66	250.00	100.00	92.00	1284.00	1490.00	1286.00
	9460.000	1283.93	1284.13	3.59	5.80	10.93	913.19	250.00	100.00	92.00	1284.00	1490.00	1286.00
	9600.000	1283.81	1284.28	5.49	3.61	10.67	209.51	250.00	100.00	90.50	1282.50	470.00	1301.80
	9770.000	1283.87	1284.34	5.52	3.67	10.56	209.51	250.00	100.00	90.50	1282.50	1450.00	1301.80

	SECNO	CWSEL	EG	VCH	10*KS	DEPTH	TOPWID	CLSTA	BW	STCHL	XLBEL	STCHR	RBEL
*	9800.000	1284.38	1284.39	.65	.04	11.04	1684.12	250.00	100.00	90.00	1282.50	1800.00	1286.00
*	9885.000	1284.04	1284.54	5.68	18.04	4.04	681.59	200.00	115.00	90.00	1282.50	1220.00	1286.00
*	9900.000	1283.88	1284.75	7.51	42.08	3.58	641.80	.00	.01	90.00	1282.50	1220.00	1286.00
*	10000.000	1284.67	1285.04	4.83	14.44	4.37	867.94	.00	.01	90.00	1282.50	1220.00	1286.00
*	10600.000	1284.95	1285.50	1.38	3.91	9.95	1105.82	.00	.01	100.00	1283.20	1550.00	1286.90
	11100.000	1285.29	1285.68	1.32	3.04	10.09	1243.52	.00	.01	100.00	1283.20	1550.00	1287.00
*	11200.000	1287.05	1287.16	.98	.89	5.05	1550.00	.00	.01	90.80	1285.50	1550.00	1287.00
	11400.000	1287.07	1287.18	1.00	.89	11.77	1500.00	.00	.01	90.80	1285.60	1500.00	1287.00
	11900.000	1287.12	1287.22	1.01	.88	11.62	1500.00	.00	.01	90.80	1285.80	1500.00	1287.00
	12300.000	1287.16	1287.26	1.00	.88	11.56	1528.08	.00	.01	90.80	1285.90	1680.00	1288.00
	12400.000	1287.17	1287.27	.97	.90	11.47	1679.97	.00	.01	89.50	1283.70	1680.00	1287.00
	12900.000	1287.22	1287.31	1.02	.88	11.32	1499.81	.00	.01	89.50	1283.90	1500.00	1287.00
	13200.000	1287.24	1287.34	1.00	.92	11.24	1587.32	.00	.01	89.00	1284.00	1680.00	1287.50
	13600.000	1287.28	1287.38	1.02	.90	11.08	1549.75	.00	.01	89.00	1284.20	1680.00	1288.00
	13700.000	1287.30	1287.39	1.02	.89	11.10	1531.01	.00	.01	92.00	1287.20	1680.00	1288.70
	13800.000	1287.31	1287.40	1.02	.88	11.11	1532.26	.00	.01	92.00	1287.20	1680.00	1288.70

ARIZONA CANAL INTERCEPTO

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	1.28	3.55	703.37	2213.49
	3155.100	255.00	.00	.00	1272.10	2500.00	1281.04	.00	1281.23	1.27	3.53	708.76	2220.99
	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	1.40	3.67	681.38	2112.70
	4350.000	350.00	.00	.00	1272.50	2500.00	1281.20	.00	1281.40	1.38	3.62	690.25	2127.30
	4800.000	450.00	.00	.00	1272.70	2500.00	1281.26	.00	1281.46	1.40	3.60	694.66	2112.20
	5300.000	500.00	.00	.00	1272.90	2500.00	1281.32	.00	1281.54	1.54	3.77	663.31	2011.81
	5850.000	550.00	.00	.00	1273.10	2500.00	1281.40	.00	1281.63	1.64	3.86	648.48	1951.00
	5900.000	50.00	.00	.00	1273.20	2500.00	1281.41	.00	1281.64	1.70	3.89	642.05	1918.88
	6010.000	110.00	.00	.00	1273.20	2500.00	1281.43	.00	1281.66	1.69	3.89	643.39	1924.96
	6117.000	107.00	.00	.00	1273.20	2500.00	1281.46	.00	1281.68	1.59	3.81	699.86	1985.21
	6337.000	220.00	.00	.00	1273.30	3303.00	1281.37	.00	1281.79	3.06	5.21	655.79	1886.69
	6557.000	220.00	.00	.00	1273.40	3930.00	1281.31	.00	1281.93	4.63	6.33	643.52	1827.31
	6777.000	220.00	.00	.00	1273.50	4425.00	1281.29	.00	1282.11	6.24	7.28	620.74	1770.96
	6997.000	220.00	.00	.00	1273.60	4832.00	1281.31	.00	1282.32	7.75	8.06	609.16	1735.30

	SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRIWS	EG	10*KS	VCH	AREA	.01K
	7217.000	220.00	.00	.00	1273.70	5150.00	1281.41	.00	1282.54	8.72	8.55	621.93	1744.43
	7329.000	112.00	.00	.00	1273.70	5150.00	1281.54	.00	1282.64	8.37	8.41	612.02	1780.25
	7431.000	180.00	.00	.00	1273.70	5150.00	1281.73	.00	1282.79	7.85	8.26	623.72	1838.51
	7452.000	161.00	1284.90	1283.90	1273.70	5150.00	1281.90	.00	1282.91	7.29	8.06	638.95	1906.97
	7458.000	6.00	1284.90	1283.90	1273.70	5150.00	1281.91	.00	1282.92	7.28	8.06	639.32	1908.64
	7499.000	80.00	1286.00	1284.00	1273.80	5150.00	1281.94	.00	1283.03	12.06	8.38	614.31	1483.21
	7532.000	33.00	1286.00	1284.00	1273.80	5150.00	1282.00	.00	1283.08	11.77	8.31	619.64	1501.19
*	7680.000	148.00	.00	.00	1271.20	8000.00	1283.02	.00	1283.30	9.07	4.31	1855.38	2656.69
	7760.000	80.00	.00	.00	1271.28	8000.00	1283.11	.00	1283.37	7.76	4.10	1951.75	2872.55
*	7772.000	12.00	1284.70	-999999.00	1271.29	8000.00	1282.96	.00	1283.44	2.26	5.56	1439.72	5316.60
	8100.000	350.00	.00	.00	1271.64	8000.00	1283.43	.00	1283.58	3.72	3.08	2593.54	4148.85
	8600.000	500.00	.00	.00	1272.14	8000.00	1283.62	.00	1283.76	3.51	3.02	2646.20	4269.05
	8700.000	100.00	.00	.00	1272.24	8000.00	1283.66	.00	1283.79	3.66	2.99	2675.13	4181.12
	8920.000	220.00	.00	.00	1272.46	8000.00	1283.74	.00	1283.87	3.55	2.94	2719.60	4243.39
	9140.000	220.00	.00	.00	1272.68	8000.00	1283.82	.00	1283.95	3.61	2.93	2727.56	4213.35
	9360.000	220.00	.00	.00	1272.90	8000.00	1283.87	.00	1284.08	5.97	3.65	2190.98	3275.18
	9460.000	100.00	.00	.00	1273.00	8000.00	1283.93	.00	1284.13	5.80	3.59	2227.87	3322.24
	9600.000	140.00	.00	.00	1273.14	8000.00	1283.81	.00	1284.28	3.61	5.49	1456.09	4208.37
	9770.000	170.00	.00	.00	1273.31	8000.00	1283.87	.00	1284.34	3.67	5.52	1448.57	4174.09
*	9800.000	30.00	.00	.00	1273.34	8000.00	1284.38	.00	1284.39	.04	.65	12259.18	37997.93
*	9885.000	85.00	.00	.00	1280.00	8000.00	1284.04	.00	1284.54	18.04	5.68	1408.72	1883.42
*	9900.000	39.00	.00	.00	1280.30	8000.00	1283.88	1283.88	1284.75	42.08	7.51	1065.52	1233.28
*	10000.000	100.00	.00	.00	1280.30	8000.00	1284.67	.00	1285.04	14.44	4.83	1656.95	2105.03
*	10600.000	600.00	.00	.00	1275.00	8000.00	1284.95	.00	1285.50	3.91	1.38	2492.82	4044.36
	11100.000	500.00	.00	.00	1275.20	8000.00	1285.29	.00	1285.68	3.04	1.32	2994.59	4587.99
*	11200.000	100.00	.00	.00	1282.00	8000.00	1287.05	1287.05	1287.16	.89	.98	5407.27	8478.23

SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRIWS	EG	10*KS	VCH	AREA	.01K
11400.000	200.00	.00	.00	1275.30	8000.00	1287.07	.00	1287.18	.89	1.00	5372.90	8492.39
11900.000	500.00	.00	.00	1275.50	8000.00	1287.12	.00	1287.22	.88	1.01	5423.95	8520.97
12300.000	400.00	.00	.00	1275.60	8000.00	1287.16	.00	1287.26	.88	1.00	5476.84	8528.04
12400.000	100.00	.00	.00	1275.70	8000.00	1287.17	.00	1287.27	.90	.97	5610.20	8420.72
12900.000	500.00	.00	.00	1275.90	8000.00	1287.22	.00	1287.31	.88	1.02	5472.42	8505.62
13200.000	300.00	.00	.00	1276.00	8000.00	1287.24	.00	1287.34	.92	1.00	5500.66	8334.54
13600.000	400.00	.00	.00	1276.20	8000.00	1287.28	.00	1287.38	.90	1.02	5540.29	8424.11
13700.000	100.00	.00	.00	1276.20	8000.00	1287.30	.00	1287.39	.89	1.02	5551.78	8479.76
13800.000	100.00	.00	.00	1276.20	8000.00	1287.31	.00	1287.40	.88	1.02	5569.91	8514.12

ARIZONA CANAL INTERCEPTO

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	87.02	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	.07	.00	85.79	635.00
4350.000	2500.00	1281.20	.00	.05	.00	88.89	350.00
4800.000	2500.00	1281.26	.00	.07	.00	92.34	450.00
5300.000	2500.00	1281.32	.00	.06	.00	87.36	500.00
5850.000	2500.00	1281.40	.00	.08	.00	86.22	550.00
5900.000	2500.00	1281.41	.00	.01	.00	86.42	50.00
6010.000	2500.00	1281.43	.00	.02	.00	86.45	110.00
6117.000	2500.00	1281.46	.00	.03	.00	123.25	107.00
6337.000	3303.00	1281.37	.00	-.09	.00	108.14	220.00
6557.000	3930.00	1281.31	.00	-.06	.00	112.24	220.00
6777.000	4425.00	1281.29	.00	-.02	.00	110.29	220.00
6997.000	4832.00	1281.31	.00	.02	.00	110.15	220.00

	SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
	7217.000	5150.00	1281.41	.00	.10	.00	110.21	220.00
	7329.000	5150.00	1281.54	.00	.13	.00	86.20	112.00
	7431.000	5150.00	1281.73	.00	.19	.00	85.91	180.00
	7452.000	5150.00	1281.90	.00	.18	.00	86.27	161.00
	7458.000	5150.00	1281.91	.00	.01	.00	86.28	6.00
	7499.000	5150.00	1281.94	.00	.03	.00	83.42	80.00
	7532.000	5150.00	1282.00	.00	.06	.00	83.54	33.00
*	7680.000	8000.00	1283.02	.00	1.01	.00	807.09	148.00
	7760.000	8000.00	1283.11	.00	.10	.00	814.79	80.00
*	7772.000	8000.00	1282.96	.00	-.15	.00	146.69	12.00
	8100.000	8000.00	1283.43	.00	.46	.00	956.07	350.00
	8600.000	8000.00	1283.62	.00	.19	.00	964.03	500.00
	8700.000	8000.00	1283.66	.00	.04	.00	1022.75	100.00
	8920.000	8000.00	1283.74	.00	.08	.00	1042.56	220.00
	9140.000	8000.00	1283.82	.00	.08	.00	1061.60	220.00
	9360.000	8000.00	1283.87	.00	.05	.00	894.66	220.00
	9460.000	8000.00	1283.93	.00	.07	.00	913.19	100.00
	9600.000	8000.00	1283.81	.00	-.12	.00	209.51	140.00
	9770.000	8000.00	1283.87	.00	.06	.00	209.51	170.00
*	9800.000	8000.00	1284.38	.00	.51	.00	1684.12	30.00
*	9885.000	8000.00	1284.04	.00	-.34	.00	681.59	85.00
*	9900.000	8000.00	1283.88	.00	-.16	.00	641.80	39.00
*	10000.000	8000.00	1284.67	.00	.79	.00	867.94	100.00
*	10600.000	8000.00	1284.95	.00	.28	.00	1105.82	600.00
	11100.000	8000.00	1285.29	.00	.34	.00	1243.52	500.00
*	11200.000	8000.00	1287.05	.00	1.76	.00	1550.00	100.00

SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
11400.000	8000.00	1287.07	.00	.02	.00	1500.00	200.00
11900.000	8000.00	1287.12	.00	.05	.00	1500.00	500.00
12300.000	8000.00	1287.16	.00	.04	.00	1528.08	400.00
12400.000	8000.00	1287.17	.00	.01	.00	1679.97	100.00
12900.000	8000.00	1287.22	.00	.05	.00	1499.81	500.00
13200.000	8000.00	1287.24	.00	.02	.00	1587.32	300.00
13600.000	8000.00	1287.28	.00	.04	.00	1549.75	400.00
13700.000	8000.00	1287.30	.00	.01	.00	1531.01	100.00
13800.000	8000.00	1287.31	.00	.01	.00	1532.26	100.00

SUMMARY OF ERRORS AND SPECIAL NOTES

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

WARNING SECNO=   7680.000  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

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

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

WARNING SECNO=   9885.000  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

CAUTION SECNO=   9900.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=   9900.000  PROFILE=  1  MINIMUM SPECIFIC ENERGY

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

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

CAUTION SECNO=  11200.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  11200.000  PROFILE=  1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=  11200.000  PROFILE=  1  20 TRIALS ATTEMPTED TO BALANCE WSEL
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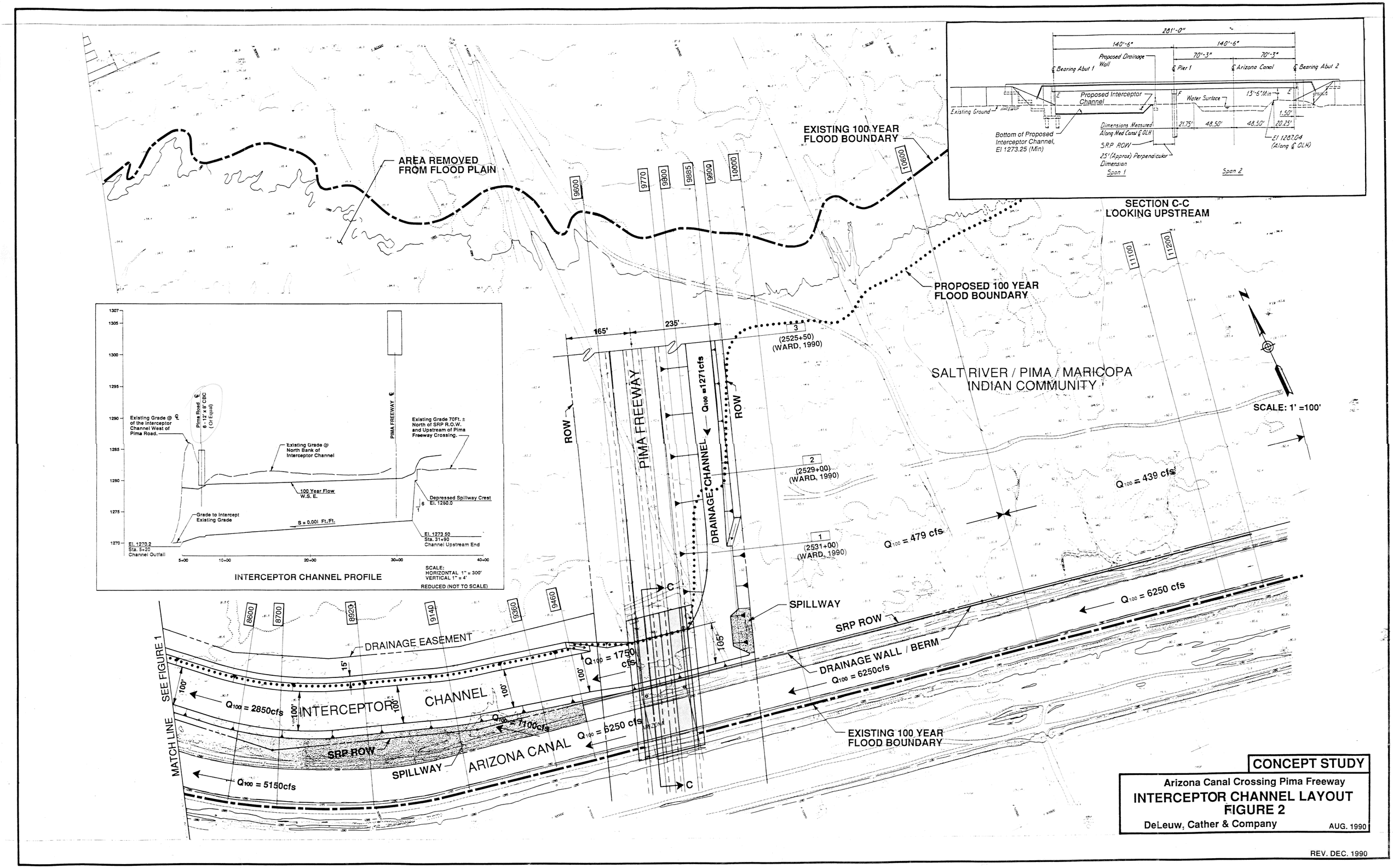
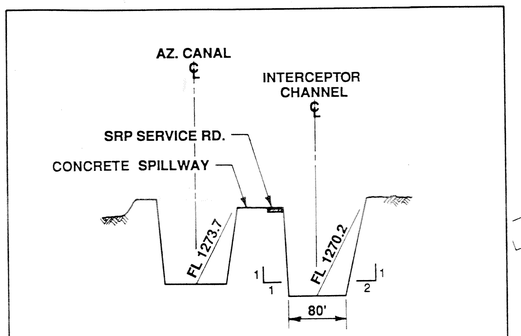
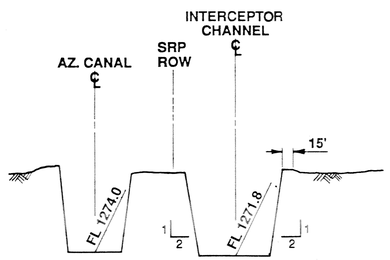
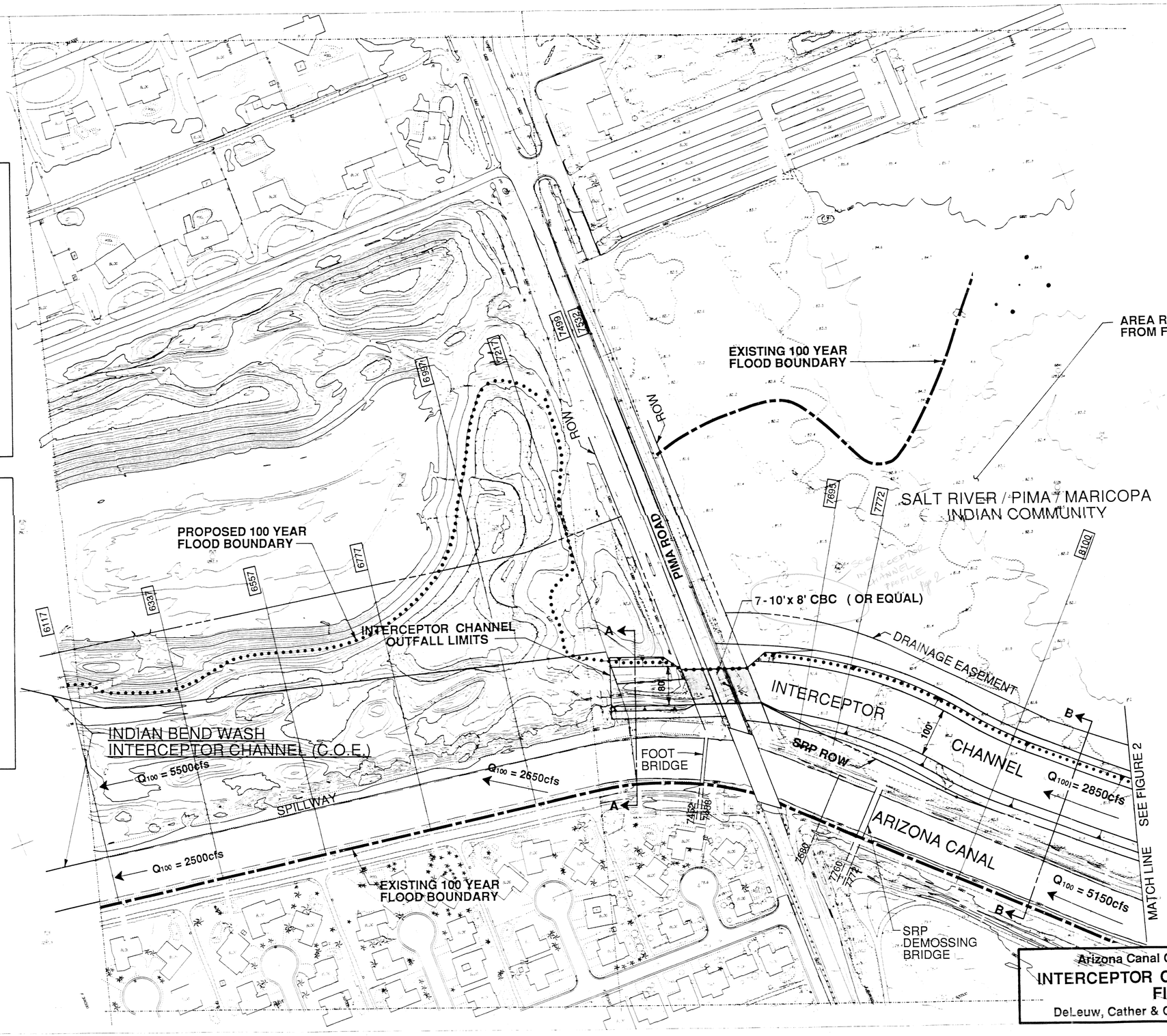

AREA REMOVED FROM FLOOD PLAIN
EXISTING 100 YEAR FLOOD BOUNDARY
PROPOSED 100 YEAR FLOOD BOUNDARY
SECTION C-C LOOKING UPSTREAM
281'-0"
140'-6"
140'-6"
70'-3"
70'-3"
Proposed Drainage Wall
℄ Bearing Abut 1
℄ Pier 1
℄ Arizona Canal
℄ Bearing Abut 2
Proposed Interceptor Channel
Water Surface
13'-6" Min
Existing Ground
Bottom of Proposed Interceptor Channel, El 1273.25 (Min)
Dimensions Measured Along Med Const ℄ OLH
21.75'
48.50'
48.50'
1.50'
20.25'
El 1287.04 (Along ℄ OLH)
S.R.P. ROW
25' (Approx) Perpendicular Dimension
Span 1
Span 2
9600
9770
9800
9885
9900
10000
10600
11100
11200
165'
235'
ROW
PIMA FREEWAY
DRAINAGE CHANNEL
Q100 = 1271cfs
ROW
3
(2525+50)
(WARD, 1990)
2
(2529+00)
(WARD, 1990)
1
(2531+00)
(WARD, 1990)
SALT RIVER / PIMA / MARICOPA INDIAN COMMUNITY
SCALE: 1' =100'
Q100 = 439 cfs
Q100 = 479 cfs
Q100 = 6250 cfs
SPILLWAY
SRP ROW
DRAINAGE WALL / BERM
Q100 = 6250cfs
EXISTING 100 YEAR FLOOD BOUNDARY
C
C
105'
Q100 = 1750 cfs
Q100 = 1100cfs
Q100 = 6250 cfs
SPILLWAY
ARIZONA CANAL
SRP ROW
Q100 = 5150cfs
8600
8700
8929
9140
9360
9460
DRAINAGE EASEMENT
15'
100'
100'
100'
100'
Q100 = 2850cfs
INTERCEPTOR CHANNEL
SEE FIGURE 1
MATCH LINE
1307
1305
1300
1295
1290
1285
1280
1275
1270
Existing Grade @ ℄ of the Interceptor Channel West of Pima Road.
Pima Road ℄
6 - 12' x 8' CBC (Or Equal)
Existing Grade @ North Bank of Interceptor Channel
PIMA FREEWAY ℄
Existing Grade 70Ft. ± North of SRP R.O.W. and Upstream of Pima Freeway Crossing.
100 Year Flow W.S. E.
Depressed Spillway Crest El. 1280.0
6
1
Grade to Intercept Existing Grade
S = 0.001 Ft./Ft.
El. 1270.2 Sta. 5+20 Channel Outfall
El. 1273.50 Sta. 31+90 Channel Upstream End
5+00
10+00
20+00
30+00
40+00
INTERCEPTOR CHANNEL PROFILE
SCALE: HORIZONTAL 1" = 300' VERTICAL 1" = 4'
REDUCED (NOT TO SCALE)
CONCEPT STUDY
Arizona Canal Crossing Pima Freeway
INTERCEPTOR CHANNEL LAYOUT
FIGURE 2
DeLeuw, Cather & Company
AUG. 1990
REV. DEC. 1990



SECTION A-A
LOOKING DOWNSTREAM



SECTION B-B
LOOKING DOWNSTREAM



CONCEPT STUDY

Arizona Canal Crossing Pima Freeway

INTERCEPTOR CHANNEL LAYOUT
FIGURE 1

DeLeuw, Cather & Company AUG. 1990

REV. DEC. 1990