

SELECTED HYDRAULIC DATA

SECNO	DIST	CWSEL	VCH	DEPTH
990.30	4.362	1376.00	7.12	6.40
992.00	4.394	1376.66	6.12	6.66
994.00	4.432	1377.07	6.09	6.07
996.00	4.470	1377.33	8.10	5.73
998.00	4.508	1378.43	6.05	6.43
999.60	4.538	1378.90	4.79	6.42
1000.40	4.553	1378.98	4.72	6.48
1002.00	4.583	1379.11	5.06	6.11
1004.00	4.621	1379.11	7.65	5.11
1006.00	4.659	1380.08	5.62	5.58
1006.80	4.688	1380.14	6.33	5.64
1009.00	4.706	1380.38	6.04	5.88
1010.00	4.735	1380.32	6.14	4.30
1012.00	4.773	1382.21	5.90	6.21
1014.00	4.811	1382.72	4.93	5.93
1016.00	4.848	1382.94	6.50	4.94
1018.00	4.886	1383.67	5.77	6.37

LEGEND

- QUEEN CREEK WASH CENTERLINE
- 1997 FIS FLOODPLAIN LIMITS
- FEMA FIRM FLOODPLAIN LIMITS
- FLOODWAY AREAS IN ZONE AE
- SPECIAL FLOOD HAZARD AREAS INUNDATED BY 100-YEAR FLOOD

ELEVATION REFERENCE MARKS

NOTE: ALL ELEVATIONS ARE BASED ON NATIONAL GEODETIC VERTICAL DATUM OF 1929. CONVERSION FACTOR 1929 NVD TO 1988 NAVD = ± 2.23'

I.D. NUMBER	ELEVATION (Ft.)	DESCRIPTION/LOCATION
E.R.M. #10	1376.350'	Aluminum cap stamped "ERM#10" X=780,288.056 Y=818,428.750

NOTES

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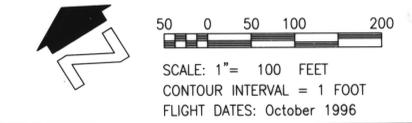
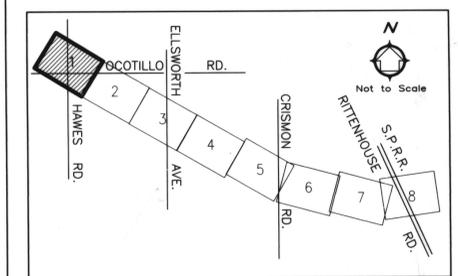
FIELD SURVEY CERTIFICATION

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INDEX MAP



NO.	REVISION	BY	DATE
2			
1			

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

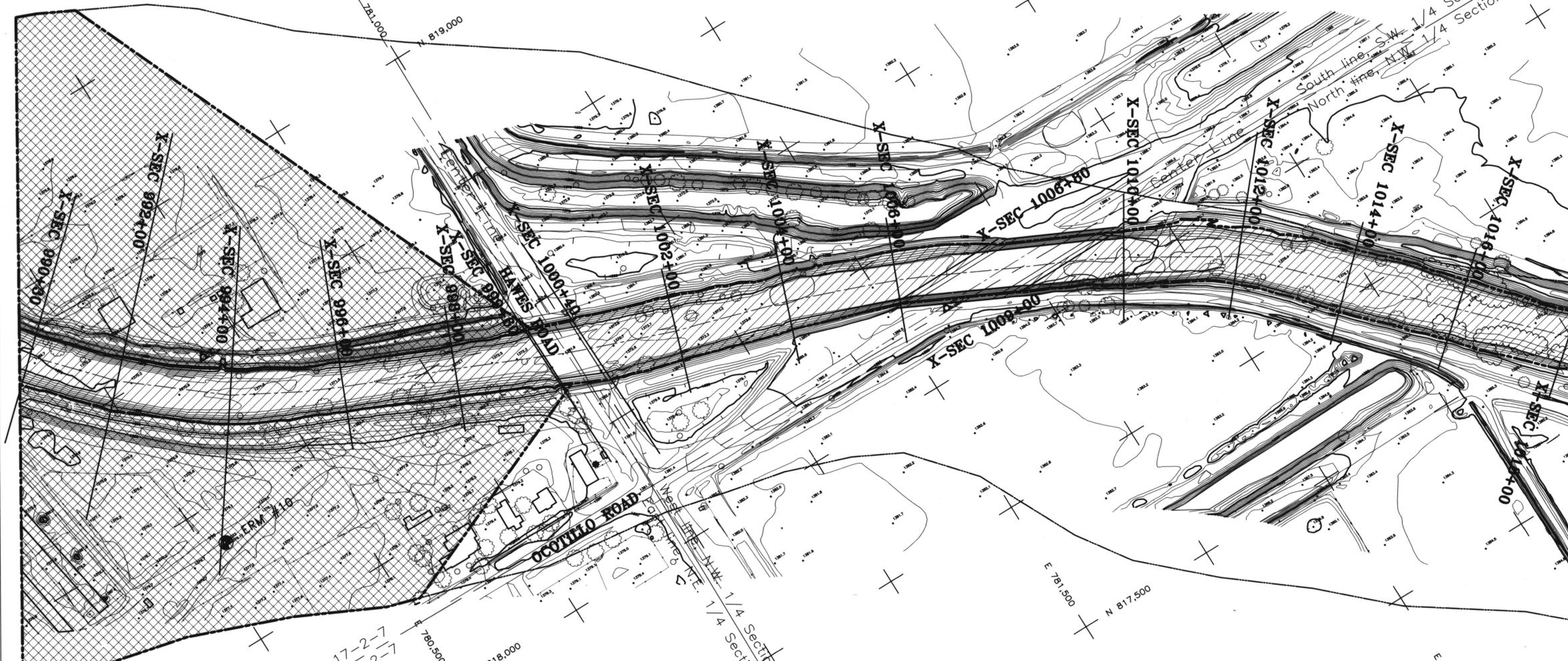
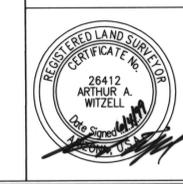
**FLOODPLAIN DELINEATION
QUEEN CREEK WASH
(SPRR TO HAWES ROAD)**

F.C.D. CONTRACT No. 97-03, Assignment #3

Collins/Piña
Phoenix - Tucson - Nogales

DESIGN	BY	DATE
DESIGN CHK.		
PLANS		
PLANS CHK.		

SHEET 1 OF 8



CENTRAL FILES

DRAWER # 313

Queen Creek Wash Floodplain Delineation (Sprr to Hawes Rd.) Collins/Piña
 FCD 97-03 1996
 480 313

THIS MAP WAS PREPARED BY PHOTOGAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS FOR 1" = 100' HORIZONTAL SCALE AND 1' CONTOUR INTERVALS.

AERIAL MAPPING COMPANY: Digital Terrain Mapping

GROUND CONTROL SURVEY DATA PROVIDED BY: Collins/Piña Consulting Engineers, Inc.

\\C:\p\h\m\DATA\Project\3660_3\Comp\sh1.dwg

SELECTED HYDRAULIC DATA

SECNO	DIST	CWSEL	VCH	DEPTH
1018.00	0.038	1383.67	5.77	6.37
1020.00	4.924	1384.22	4.80	6.22
1022.00	4.962	1384.49	5.54	6.29
1024.00	5.000	1385.01	5.12	5.01
1026.00	5.038	1385.47	4.84	5.57
1028.00	5.076	1385.87	4.97	5.87
1030.00	5.114	1386.26	5.43	6.26
1032.00	5.152	1386.71	5.87	5.81
1034.00	5.189	1387.28	5.53	5.68
1036.00	5.227	1387.77	5.57	5.77
1038.00	5.265	1388.31	4.92	5.61
1040.00	5.303	1388.67	5.43	5.67
1042.00	5.341	1389.22	4.37	5.42
1044.00	5.379	1389.48	5.55	4.98
1046.00	5.417	1390.00	5.53	5.00

LEGEND

- QUEEN CREEK WASH CENTERLINE
- 1997 FIS FLOODPLAIN LIMITS
- FEMA FIRM FLOODPLAIN LIMITS
- FLOODWAY AREAS IN ZONE AE

ELEVATION REFERENCE MARKS

NOTE: ALL ELEVATIONS ARE BASED ON NATIONAL GEODETIC VERTICAL DATUM OF 1929. CONVERSION FACTOR 1929 NGVD TO 1988 NAVD = ± 2.23'

I.D. NUMBER	ELEVATION (FT.)	DESCRIPTION/LOCATION
E.R.M. #20	1387.490'	Aluminum cap stamped "ERM#20" X=783,735.732 Y=816,953.517

NOTES

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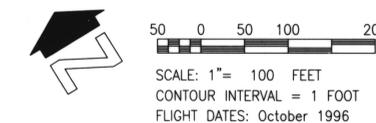
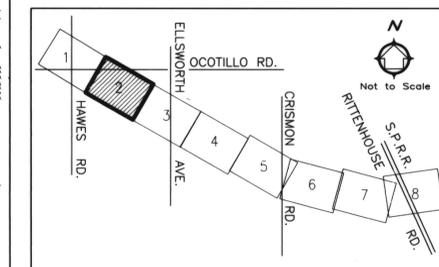
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INDEX MAP

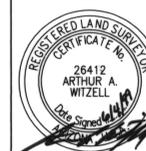


NO.	REVISION	BY	DATE
2			
1			

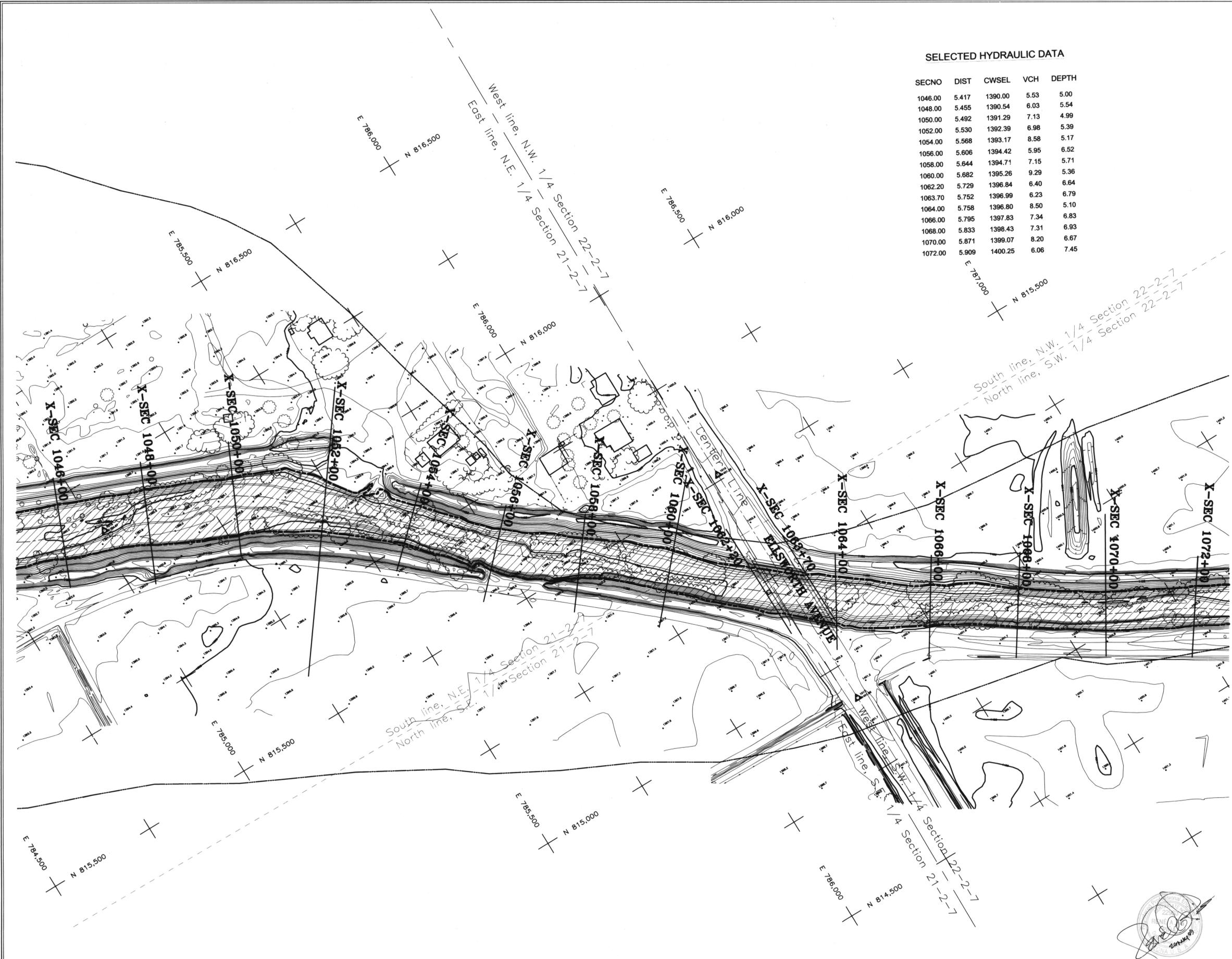
FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

FLOODPLAIN DELINEATION
QUEEN CREEK WASH
(SPRR TO HAWES ROAD)

F.C.D. CONTRACT No. 97-03, Assignment #3



Collins/Pina	
Phoenix - Tucson - Nogales	
BY	DATE
DESIGN	
DESIGN CHK.	
PLANS	
PLANS CHK.	



SELECTED HYDRAULIC DATA

SECNO	DIST	CWSEL	VCH	DEPTH
1046.00	5.417	1390.00	5.53	5.00
1048.00	5.455	1390.54	6.03	5.54
1050.00	5.492	1391.29	7.13	4.99
1052.00	5.530	1392.39	6.98	5.39
1054.00	5.568	1393.17	8.58	5.17
1056.00	5.606	1394.42	5.95	6.52
1058.00	5.644	1394.71	7.15	5.71
1060.00	5.682	1395.26	9.29	5.36
1062.20	5.729	1396.84	6.40	6.64
1063.70	5.752	1396.99	6.23	6.79
1064.00	5.758	1396.80	8.50	5.10
1066.00	5.795	1397.83	7.34	6.83
1068.00	5.833	1398.43	7.31	6.93
1070.00	5.871	1399.07	8.20	6.67
1072.00	5.909	1400.25	6.06	7.45

LEGEND

- QUEEN CREEK WASH CENTERLINE
- 1997 FIS FLOODPLAIN LIMITS
- FEMA FIRM FLOODPLAIN LIMITS
- FLOODWAY AREAS IN ZONE AE

ELEVATION REFERENCE MARKS

NOTE: ALL ELEVATIONS ARE BASED ON NATIONAL GEODETIC VERTICAL DATUM OF 1929. CONVERSION FACTOR 1929 NGVD TO 1988 NAVD = ± 2.23'

I.D. NUMBER	ELEVATION (FT.)	DESCRIPTION/LOCATION
N/A	-	None on this Sheet

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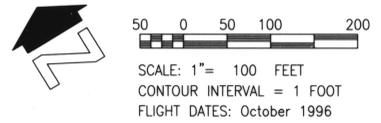
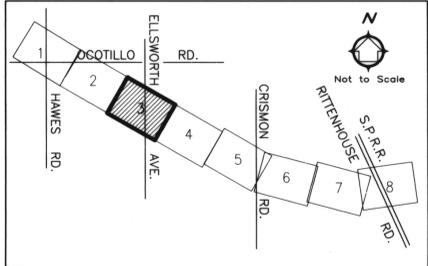
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INDEX MAP



NO.	REVISION	BY	DATE
2			

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

FLOODPLAIN DELINEATION QUEEN CREEK WASH (SPRR TO HAWES ROAD)

F.C.D. CONTRACT No. 97-03, Assignment #3



Collins/Piña	
Phoenix - Tucson - Nogales	
BY	DATE
DESIGN	
DESIGN CHK.	
PLANS	
PLANS CHK.	

THIS MAP WAS PREPARED BY PHOTOGAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS FOR 1" = 100' HORIZONTAL SCALE AND 1' CONTOUR INTERVALS.

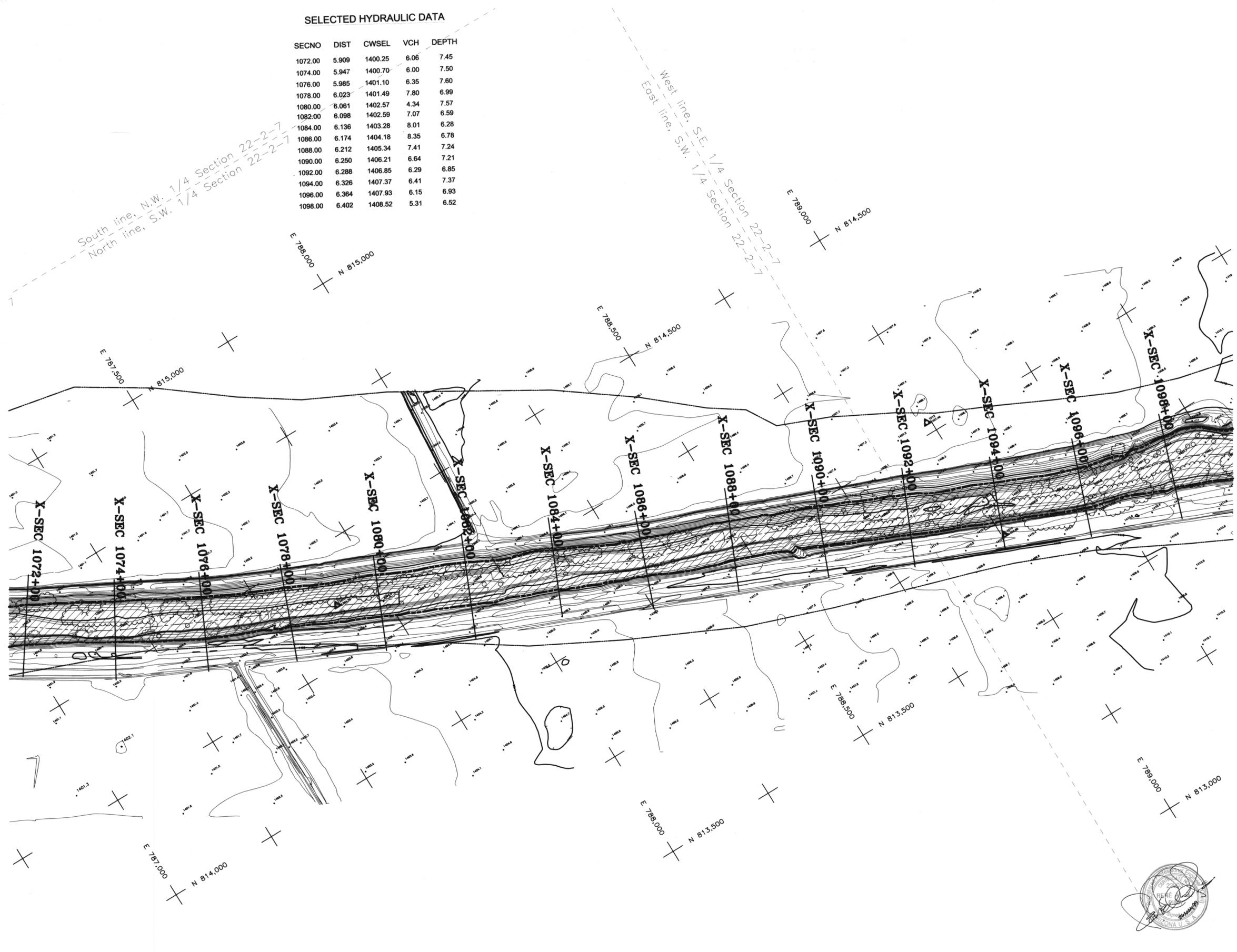
AERIAL MAPPING COMPANY: Digital Terrain Mapping

GROUND CONTROL SURVEY DATA PROVIDED BY: Collins/Piña Consulting Engineers, Inc.

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SELECTED HYDRAULIC DATA

SECNO	DIST	CWSEL	VCH	DEPTH
1072.00	5.909	1400.25	6.06	7.45
1074.00	5.947	1400.70	6.00	7.50
1076.00	5.985	1401.10	6.35	7.60
1078.00	6.023	1401.49	7.80	6.99
1080.00	6.061	1402.57	4.34	7.57
1082.00	6.098	1402.59	7.07	6.59
1084.00	6.136	1403.28	8.01	6.28
1086.00	6.174	1404.18	8.35	6.78
1088.00	6.212	1405.34	7.41	7.24
1090.00	6.250	1406.21	6.64	7.21
1092.00	6.288	1406.85	6.29	6.85
1094.00	6.326	1407.37	6.41	7.37
1096.00	6.364	1407.93	6.15	6.93
1098.00	6.402	1408.52	5.31	6.52



LEGEND

- QUEEN CREEK WASH CENTERLINE -----
- 1997 FIS FLOODPLAIN LIMITS -----
- FEMA FIRM FLOODPLAIN LIMITS -----
- FLOODWAY AREAS IN ZONE AE

ELEVATION REFERENCE MARKS

NOTE: ALL ELEVATIONS ARE BASED ON NATIONAL GEODETIC VERTICAL DATUM OF 1929. CONVERSION FACTOR 1929 NGVD TO 1988 NAVD = ± 2.23'

I.D. NUMBER	ELEVATION (Ft.)	DESCRIPTION/LOCATION
N/A	-	None on this Sheet

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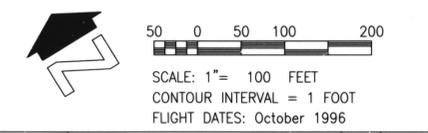
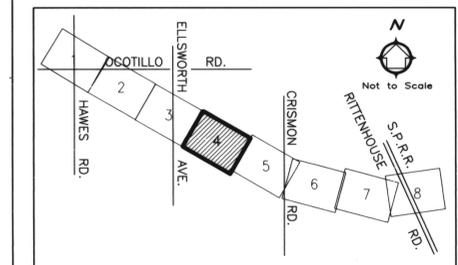
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INDEX MAP



NO.	REVISION	BY	DATE
2			
1			

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

FLOODPLAIN DELINEATION QUEEN CREEK WASH (SPRR TO HAWES ROAD)

F.C.D. CONTRACT No. 97-03, Assignment #3

Collins/Piña
Phoenix - Tucson - Nogales

DESIGN	BY	DATE
DESIGN CHK.		
PLANS		
PLANS CHK.		



THIS MAP WAS PREPARED BY PHOTOGAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS FOR 1" = 100' HORIZONTAL SCALE AND 1' CONTOUR INTERVALS.

AERIAL MAPPING COMPANY: Digital Terrain Mapping

GROUND CONTROL SURVEY DATA PROVIDED BY: Collins/Piña Consulting Engineers, Inc.

SELECTED HYDRAULIC DATA

SECNO	DIST	CWSEL	VCH	DEPTH
1098.00	6.402	1408.52	5.31	6.52
1100.00	6.439	1408.85	6.31	5.85
1102.00	6.477	1409.42	6.67	5.92
1104.00	6.515	1410.13	5.98	6.73
1106.00	6.553	1410.59	6.61	6.49
1108.00	6.591	1411.19	7.29	7.19
1110.00	6.629	1412.07	6.67	6.07
1112.00	6.667	1412.74	6.31	6.74
1114.00	6.705	1413.22	6.98	6.72
1116.00	6.742	1413.91	7.70	5.91
1118.00	6.780	1415.05	6.31	6.45
1120.00	6.818	1415.69	6.52	6.69
1122.00	6.856	1416.50	4.92	6.50
1124.00	6.894	1416.77	6.59	6.17

LEGEND

- QUEEN CREEK WASH CENTERLINE
- 1997 FIS FLOODPLAIN LIMITS
- FEMA FIRM FLOODPLAIN LIMITS
- FLOODWAY AREAS IN ZONE AE

ELEVATION REFERENCE MARKS

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I.D. NUMBER	ELEVATION (FL.)	DESCRIPTION/LOCATION
E.R.M. #15	1419.100'	Aluminum cap stamped "ERM#15" X=791,534.509 Y=812,801.314

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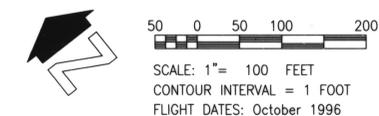
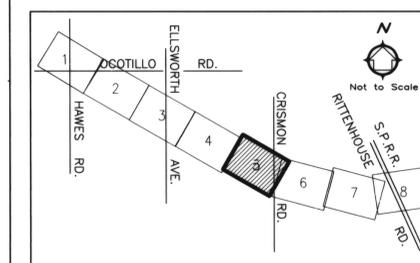
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INDEX MAP

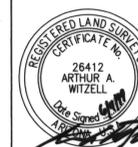


NO.	REVISION	BY	DATE
1			

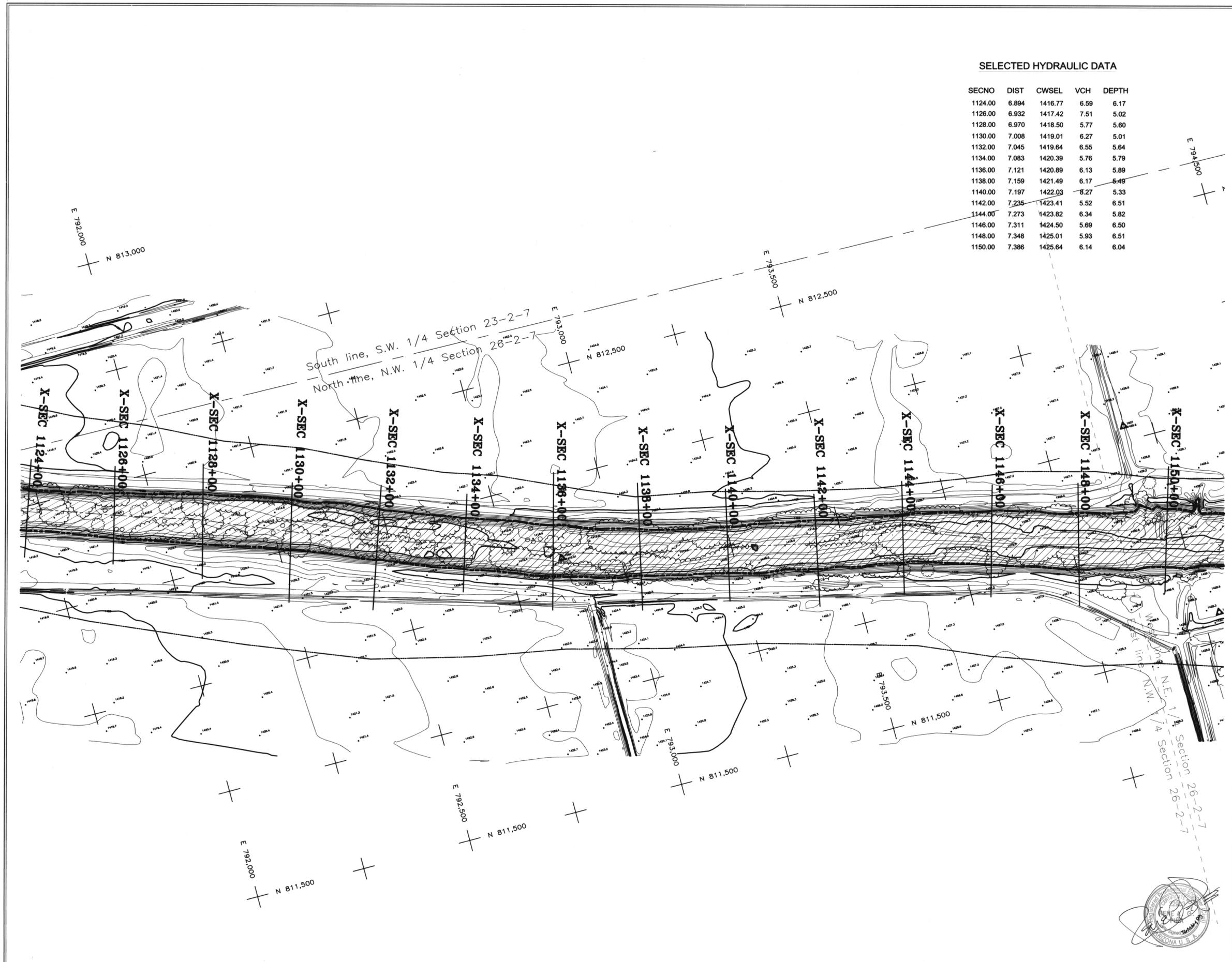
FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

FLOODPLAIN DELINEATION
QUEEN CREEK WASH
(SPRR TO HAWES ROAD)

F.C.D. CONTRACT No. 97-03, Assignment #3



Collins/Piña		Phoenix - Tucson - Nogales	
BY	DATE	BY	DATE
DESIGN			
DESIGN CHK.			
PLANS			
PLANS CHK.			



SELECTED HYDRAULIC DATA

SECNO	DIST	CWSEL	VCH	DEPTH
1124.00	6.894	1416.77	6.59	6.17
1126.00	6.932	1417.42	7.51	5.02
1128.00	6.970	1418.50	5.77	5.60
1130.00	7.008	1419.01	6.27	5.01
1132.00	7.045	1419.64	6.55	5.64
1134.00	7.083	1420.39	5.76	5.79
1136.00	7.121	1420.89	6.13	5.89
1138.00	7.159	1421.49	6.17	5.49
1140.00	7.197	1422.03	8.27	5.33
1142.00	7.235	1423.41	5.52	6.51
1144.00	7.273	1423.82	6.34	5.82
1146.00	7.311	1424.50	5.69	6.50
1148.00	7.348	1425.01	5.93	6.51
1150.00	7.386	1425.64	6.14	6.04

LEGEND

- QUEEN CREEK WASH CENTERLINE
- 1997 FIS FLOODPLAIN LIMITS
- FEMA FIRM FLOODPLAIN LIMITS
- FLOODWAY AREAS IN ZONE AE

ELEVATION REFERENCE MARKS

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I.D. NUMBER	ELEVATION (Ft.)	DESCRIPTION/LOCATION
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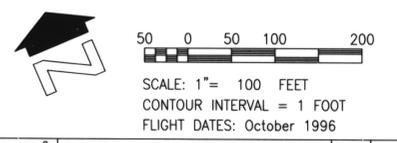
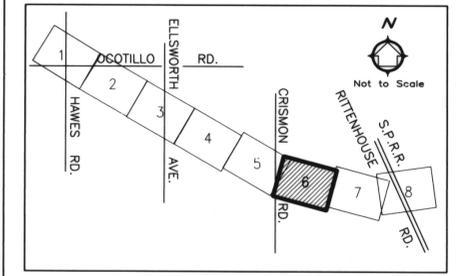
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INDEX MAP



NO.	REVISION	BY	DATE
2			
1			

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

**FLOODPLAIN DELINEATION
 QUEEN CREEK WASH
 (SPRR TO HAWES ROAD)**

F.C.D. CONTRACT No. 97-03, Assignment #3

Collins/Piña
 Phoenix - Tucson - Nogales

	BY	DATE
DESIGN		
DESIGN CHK.		
PLANS		
PLANS CHK.		



THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS FOR 1" = 100' HORIZONTAL SCALE AND 1' CONTOUR INTERVALS.

AERIAL MAPPING COMPANY: Digital Terrain Mapping

GROUND CONTROL SURVEY DATA PROVIDED BY: Collins/Piña Consulting Engineers, Inc.

SELECTED HYDRAULIC DATA

SECTNO	DIST	CWSEL	VCH	DEPTH
1150.00	7.386	1425.64	6.14	6.04
1152.00	7.424	1426.34	5.75	5.84
1154.00	7.462	1426.87	6.42	5.77
1156.00	7.500	1427.65	5.51	5.65
1158.00	7.538	1428.15	4.83	7.15
1160.00	7.576	1428.37	6.84	6.27
1162.00	7.614	1429.31	7.68	4.81
1164.00	7.652	1430.58	5.61	5.58
1166.00	7.689	1431.08	6.02	5.28
1168.00	7.727	1431.70	6.38	4.90
1170.00	7.765	1432.45	6.47	5.15
1172.00	7.803	1433.26	5.51	5.26
1174.00	7.841	1433.86	4.50	5.16
1176.00	7.879	1434.26	3.46	5.26

LEGEND

- QUEEN CREEK WASH CENTERLINE
- 1997 FIS FLOODPLAIN LIMITS
- FEMA FIRM FLOODPLAIN LIMITS
- FLOODWAY AREAS IN ZONE AE

ELEVATION REFERENCE MARKS

NOTE: ALL ELEVATIONS ARE BASED ON NATIONAL GEODETIC VERTICAL DATUM OF 1929. CONVERSION FACTOR 1929 NGVD TO 1988 NAVD = ± 2.23'

I.D. NUMBER	ELEVATION (FT.)	DESCRIPTION/LOCATION
N/A	-	None on this Sheet

NOTES

Use of the information contained in this instrument for other than the specific purpose for which it was intended and for other than the client for whom it was prepared, is forbidden unless expressly permitted in writing in advance by Collins/Piña Consulting Engineers, Inc., and Collins/Piña Consulting Engineers, Inc. shall have no liability to any person or entity for any use of this information without their written consent.

The original instrument signed and sealed by a registered professional shall take precedence over any similar instrument not signed and sealed, including computer storage medium. Any reproductions in whole or in part shall bear or refer to this signature and seal.

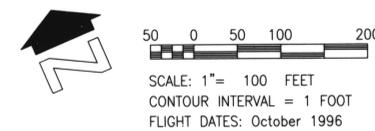
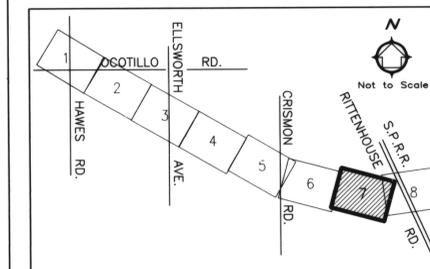
FIELD SURVEY CERTIFICATION

The intent of this field survey is to provide ground elevation and horizontal control reference data, to be utilized in the preparation of photogrammetric mapping. Field verification of photogrammetric data was conducted using spot shot, profile and cross-section elevations obtained by Global Positioning Systems (GPS) and conventional surveying methods. This map is not intended for use as an American Land Title Association (ALTA) boundary of facilities location survey.

CIVIL ENGINEERING CERTIFICATION

The intent of this document is to provide photogrammetric reference data, in connection with the assessment of flood risk, in accordance with current Federal Emergency Management Administration (FEMA) and National Flood Insurance Program (NFIP) guidelines. No other design use/intent is intended.

INDEX MAP



NO.	REVISION	BY	DATE
1			
2			

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

FLOODPLAIN DELINEATION
QUEEN CREEK WASH
(SPRR TO HAWES ROAD)

F.C.D. CONTRACT No. 97-03, Assignment #3

Collins/Piña
Phoenix - Tucson - Nogales

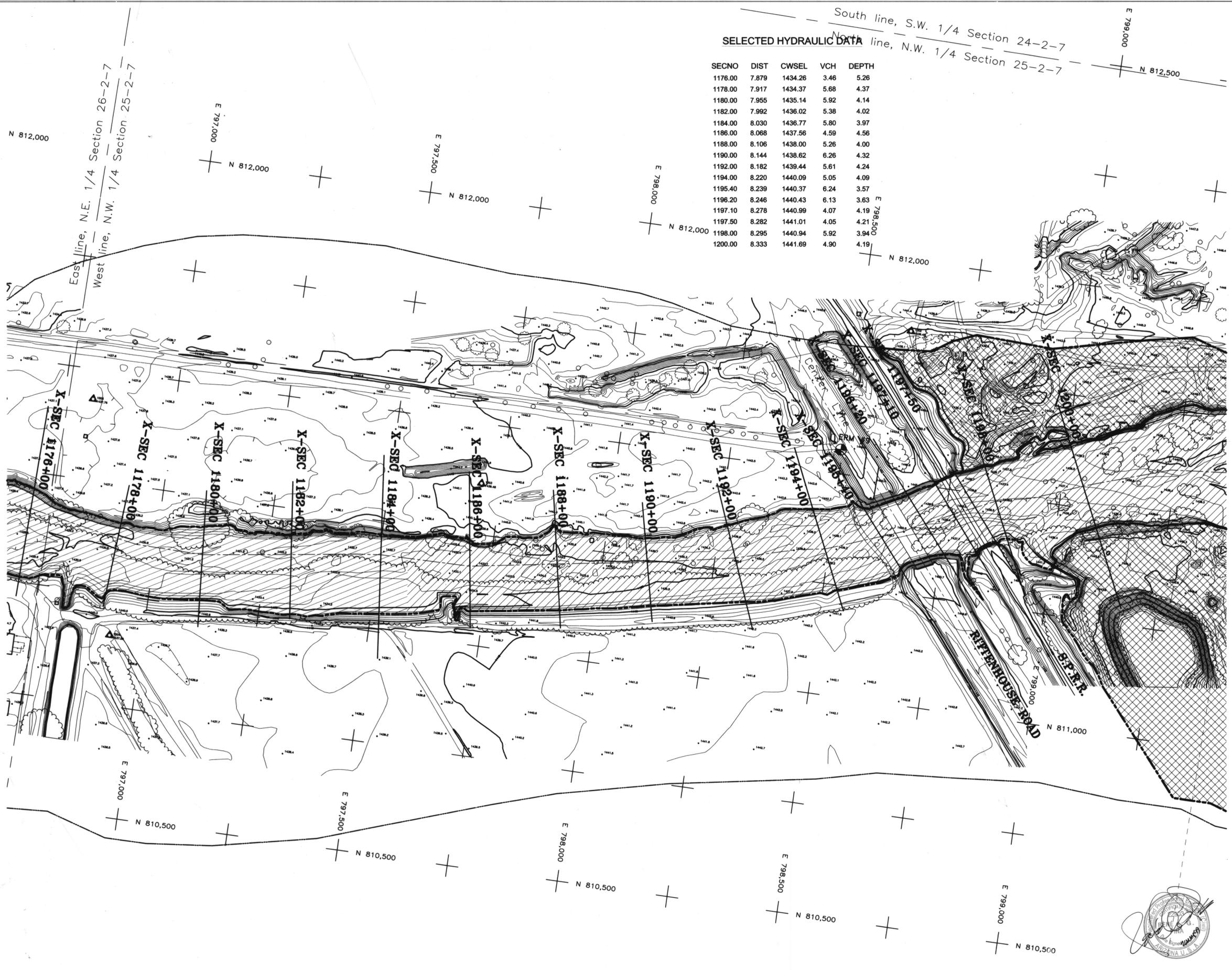
DESIGN	BY	DATE
DESIGN CHK.		
PLANS		
PLANS CHK.		



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SELECTED HYDRAULIC DATA
 South line, S.W. 1/4 Section 24-2-7
 West line, N.W. 1/4 Section 25-2-7

SECNO	DIST	CWSEL	VCH	DEPTH
1176.00	7.879	1434.26	3.46	5.26
1178.00	7.917	1434.37	5.68	4.37
1180.00	7.955	1435.14	5.92	4.14
1182.00	7.992	1436.02	5.38	4.02
1184.00	8.030	1436.77	5.80	3.97
1186.00	8.068	1437.56	4.59	4.56
1188.00	8.106	1438.00	5.26	4.00
1190.00	8.144	1438.62	6.26	4.32
1192.00	8.182	1439.44	5.61	4.24
1194.00	8.220	1440.09	5.05	4.09
1195.40	8.239	1440.37	6.24	3.57
1196.20	8.246	1440.43	6.13	3.63
1197.10	8.278	1440.99	4.07	4.19
1197.50	8.282	1441.01	4.05	4.21
1198.00	8.295	1440.94	5.92	3.94
1200.00	8.333	1441.69	4.90	4.19



LEGEND

- QUEEN CREEK WASH CENTERLINE
- 1997 FIS FLOODPLAIN LIMITS
- FEMA FIRM FLOODPLAIN LIMITS
- FLOODWAY AREAS IN ZONE AE
- SPECIAL FLOOD HAZARD AREAS INUNDATED BY 100-YEAR FLOOD

ELEVATION REFERENCE MARKS

NOTE: ALL ELEVATIONS ARE BASED ON NATIONAL GEODETIC VERTICAL DATUM OF 1929.
 CONVERSION FACTOR 1929 NGVD TO 1988 NAVD = ± 2.23

I.D. NUMBER	ELEVATION (FT.)	DESCRIPTION/LOCATION
E.R.M. #9	1448.720'	Cut "X" at end of curb by gate X=798,496.224 Y=811,554.602

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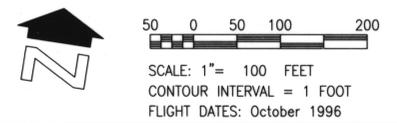
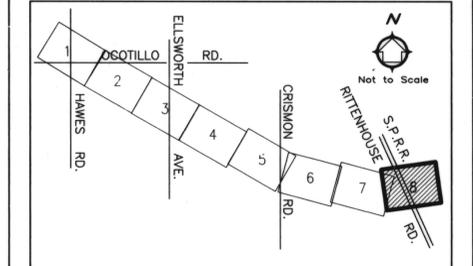
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Collins/Piña
 Phoenix - Tucson - Nogales

DESIGN	BY	DATE
DESIGN CHK.		
PLANS		
PLANS CHK.		



THIS MAP WAS PREPARED BY PHOTOGAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS FOR 1" = 100' HORIZONTAL SCALE AND 1' CONTOUR INTERVALS.

AERIAL MAPPING COMPANY: Digital Terrain Mapping

GROUND CONTROL SURVEY DATA PROVIDED BY: Collins/Piña Consulting Engineers, Inc.