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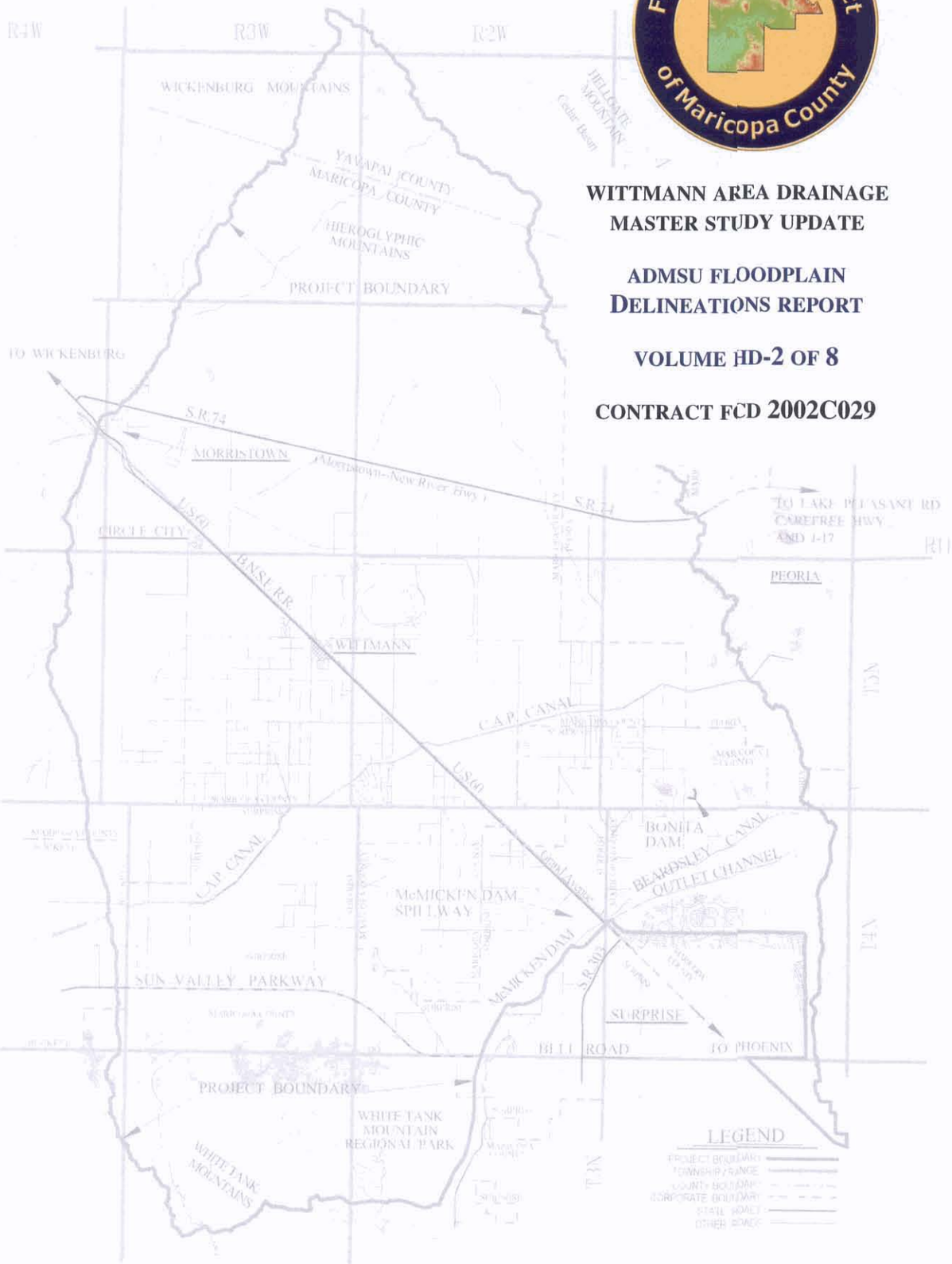


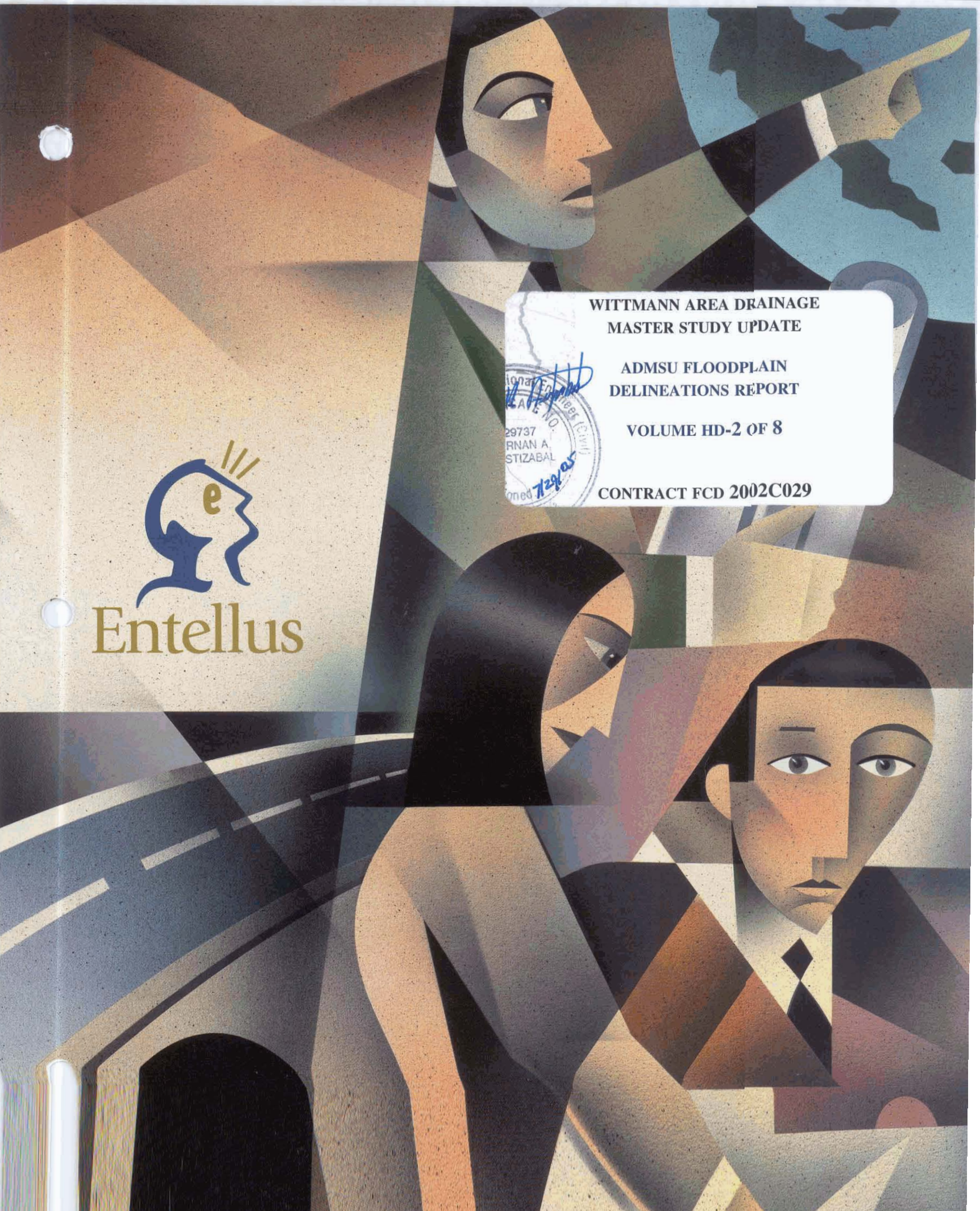
Flood Control District of Maricopa County

WITTMANN AREA DRAINAGE MASTER STUDY UPDATE

ADMSU FLOODPLAIN DELINEATIONS REPORT

VOLUME HD-2 OF 8

CONTRACT FCD 2002C029



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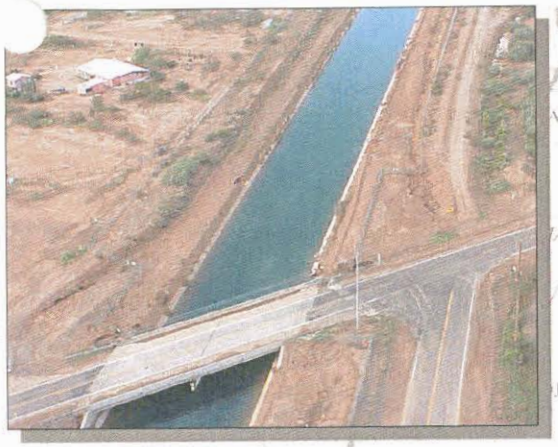

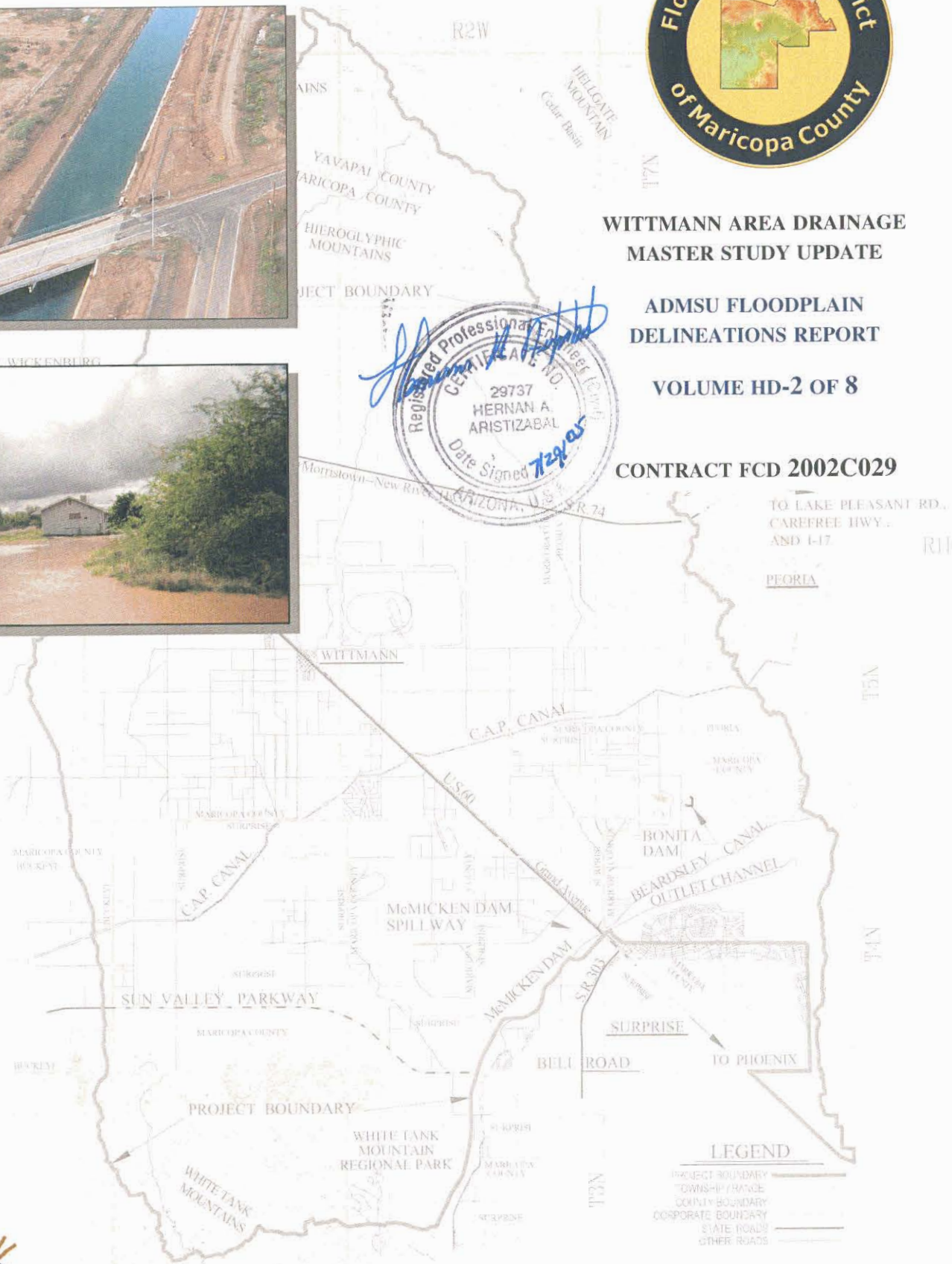

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WITTMANN AREA DRAINAGE MASTER STUDY UPDATE

ADMSU FLOODPLAIN DELINEATIONS REPORT

VOLUME HD-2 OF 8

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Flood Control District of Maricopa County

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WITTMANN AREA DRAINAGE MASTER STUDY UPDATE

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EXISTING CONDITIONS ANALYSIS (PART I)	EC
ADMSU HYDROLOGY	HY
GEOMORPHOLOGY REPORT	GR
SUBSIDENCE REPORT	SU
ALTERNATIVES IDENTIFICATION (PART II)	AI
RULES OF DEVELOPMENT (PART III)	RD
ALTERNATIVE ANALYSIS MCMICKEN DAM	MA
MCMICKEN DAM HYDROLOGY	MD
MCMICKEN DAM FINAL LANDSCAPE CHARACTER COMPATABILITY ANALYSIS REPORT	LA
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WITTMANN AREA DRAINAGE MASTER STUDY UPDATE

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SECTION 7: DRAFT FIS DATA

7.1 Summary of Discharges

The discharge summary is provided in **Table 7.1**.

Table 7.1

Summary of Discharges

Flood Source and Location	Drainage Area (Sq. miles)	100 Year Discharge (cfs)
Iona West		
~1160 feet west of Rose Garden Ln	8.8	2100
~660 feet north of 223rd Ave	7.6	1830
~2040 feet north of Pinnacle Peak Rd	7.4	1790
~2600 feet north of Pinnacle Peak Rd	29.5	7170
Iona East		
~600 feet west of Rose Garden Ln	23.2	5540
~1550 feet south of Pinnacle Peak Rd	22.7	5460
~2040 feet north of Pinnacle Peak Rd	22.1	5380

Table 7.1

Summary of Discharges

Flood Source and Location	Drainage Area (Sq. miles)	100 Year Discharge (cfs)
~2520 feet north of Pinnacle Peak Rd	29.5	7170
Wash 2 West		
Just north of McMicken Dam Outlet Channel	28.0	3130
~2750 feet south of Deer Valley Rd	25.6	2970
At Deer Valley Road	24.2	2880
Wash 1 West		
At Deer Valley Rd	35.8	6160
Near Pinnacle Peak Rd	33.5	5980
At Deer Valley Rd	40.6	7490
At Happy Valley Rd	35.6	7180
Wash 1 East		
~500 feet east of 195th Ave	4.3	450
Just north of US 60	4.1	470

Table 7.1

Summary of Discharges

Flood Source and Location	Drainage Area (Sq. miles)	100 Year Discharge (cfs)
Wash 2 East		
Near Norwich Dr	1.2	930
At Norwich Dr	0.9	660
At Happy Valley Rd	0.6	450
At Happy Valley Rd	5.5	1020
~1050 north of Happy Valley Rd	4.3	610
At Jomax Rd	3.9	470
Wash 3 East		
Just north of McMicken Dam Outlet Channel	20.3	3000
~920 south of Deer Valley Rd	11.4	2460
~400 feet north of Deer Valley Rd	9.9	1950
~2400 east of Citrus Rd	9.3	1650

Table 7.1

Summary of Discharges

Flood Source and Location	Drainage Area (Sq. miles)	100 Year Discharge (cfs)
~1000 feet east of Jomax Rd	4.3	780
At US 60	4.1	440
Wash 4 East		
~470 feet east of Jomax Rd	4.7	670
~1060 feet southwest of Dale Ln	4.4	530
Wash 5 East		
At Sarival Ave	4.5	910
~1430 feet west of Sarival Ave	4.3	830
~660 feet north of Jomax Rd	4.2	800
~1220 feet south of Dale Ln	4.1	750
At Dale Ln	3.8	580
Wash 5 East (Zone AO)		

Table 7.1

Summary of Discharges

Flood Source and Location	Drainage Area (Sq. miles)	100 Year Discharge (cfs)
At Jomax Rd	4.2	780
At Dale Ln	3.8	680
Wash 6 East		
~1000 feet south of Jomax Rd	5.9	700
At 171st Ave	4.4	440
Wash 6 East-South		
~3/4 mile east of Sarival Ave	8.1	1200
~3/4 mile east of Sarival Ave	4.3	420
Wash 7 East-East Split		
~1300 feet south of Dale Ln	2.5	410
Wash 7 East-West Split		
At 171st Ave	2.0	280
Just south of CAP Canal	2.0	410

Table 7.1

Summary of Discharges

Flood Source and Location	Drainage Area (Sq. miles)	100 Year Discharge (cfs)
Wash 8 East		
~1080 feet south of Jomax Rd	6.9	1080
~1720 feet west of Sarival Rd	6.2	710
~1310 feet south of Dale Ln	3.8	490
Wash 9 East		
~3800 feet east of Sarival Rd	4.4	570
~1450 feet north of Jomax Rd	3.9	500
~500 feet north of Patton Rd	3.5	440
At Sarival Rd	3.2	390
Wash 9 East-Split		
~1850 feet north of Jomax Rd	N/A	160
Wash 10 East		
~1680 feet west of Bullard Ave	2.6	440

Table 7.1

Summary of Discharges

Flood Source and Location	Drainage Area (Sq. miles)	100 Year Discharge (cfs)
At Briles Rd	2.3	290
~430 feet south of Patton Rd	3.6	370
~200 feet north of Peak View Rd	3.1	250
~980 feet north of Peak View Rd	2.6	140
At CAP Canal	3.0	220
Wash 10 East-East Split-1		
~320 feet north of Peak View Rd	2.3	100
Wash 10 East-East Split-2		
~1480 feet west of Bullard Ave	1.6	200
Wash 11 East		
At Beardsley Canal	42.5	3000
~10 feet north of Beardsley Canal	41.5	2950

Table 7.1

Summary of Discharges

Flood Source and Location	Drainage Area (Sq. miles)	100 Year Discharge (cfs)
~1440 feet south of Jomax Rd	19.9	1310
At Bonita Dam	19.8	1300
~840 feet south of Patton Rd	14.4	1030
~580 feet west of Reems Rd	13.5	970
Bonita Dike Channel		
~2200 feet upstream of Wash 14 East confluence with Wash 13 East	N/A	140
Wash 12 East		
~780 feet south of Patton Rd	4.9	360
Wash 12 East-Split		
At Reems Rd	N/A	70
Wash 13 East		
~1400 feet south of Jomax Rd	21.6	1830
~2300 feet south of Jomax Rd	21.4	1810

Table 7.1

Summary of Discharges

Flood Source and Location	Drainage Area (Sq. miles)	100 Year Discharge (cfs)
~2350 feet east of Bullard Ave	5.3	460
Wash 14 East		
~2350 feet east of Bullard Ave	16.1	1380
Wash 3 West		
Just north of CAP Canal	10.3	4250
~400 feet west of 243rd Ave	7.1	3750
~450 feet west of 243rd Ave	3.9	2000
~1950 feet west of 243rd Ave	3.0	1600
~6100 feet west of 243rd Ave	2.2	1500
T4N-R3W-S08E		
~450 feet west of 243rd Ave	3.6	2100
~630 feet west of 255th Ave	1.9	1500
~900 feet west of 255th Ave	0.5	430

Table 7.1

Summary of Discharges

Flood Source and Location	Drainage Area (Sq. miles)	100 Year Discharge (cfs)
T5N-R3W-S19		
~1900 feet west of 255th Ave	0.8	660
IONA WASH		
Just north of CAP Canal	11.4	3010
~1310 feet south of Jomax Rd	10.1	2960
Just south of Patton Rd	N/A	1780
Just north of Patton Rd	25.2	7020
Just south of Peak View Rd	23.3	6610
At 243rd Ave	17.4	5650
IONA WASH (ZONE AO)		
At Carefree Rd	0.5	300
~1450 feet south of Black Mountain Rd	N/A	730
IONA WASH NORTH		

Table 7.1

Summary of Discharges

Flood Source and Location	Drainage Area (Sq. miles)	100 Year Discharge (cfs)
At Carefree Rd	3.1	1330
~930 feet north of Black Mountain Rd	8.6	3580
~2370 feet south of US 60	7.9	3540
Just north of BNSF Railroad	7.6	3460
~2650 feet south of SR 74	6.9	3210
~500 feet south of SR 74	6.5	3100
IONA NORTH WEST SPLIT-1		
~2500 feet south of SR 74	2.2	1520
IONA TRIBUTARY (ZONE A)		
~3350 feet north of Lone Mountain Rd	8.8	4500
IONA EAST SPLIT-1		
~20 feet north of Peak View Rd	3.7	2020
~1450 feet north of Peak View Rd	3.2	1730

Table 7.1

Summary of Discharges

Flood Source and Location	Drainage Area (Sq. miles)	100 Year Discharge (cfs)
~1830 feet east of 235th Ave	2.7	1410
Just south of Lone Mountain Rd	1.9	1000
~1550 feet east of 243rd Ave	0.9	440
At Dove Valley Rd	0.6	290
At 243rd Ave	0.4	190
~1130 feet west of 243rd Ave	1.7	700
IONA EAST SPLIT-2		
~750 feet north of CAP Canal		4090
At CAP Canal		7020
TRILBY WASH		
~720 feet south of SR 74	11.1	5900
CIRCLE CITY AREA WASH-1		
~3460 feet north of Dove Valley Rd	1.3	660

Table 7.1

Summary of Discharges

Flood Source and Location	Drainage Area (Sq. miles)	100 Year Discharge (cfs)
~2350feet south of Black Mountain Rd	0.9	520
2 WEST (NORTH OF CAP)		
At CAP Canal	16.1	4100
At Crozier Rd	2.8	1410
~750 feet south of Dixileta Dr	2.0	1040
2 WEST TRIBUTARY-1		
At Crozier Rd	12.9	3930
~1200 feet north of Dixileta Dr	12.5	4030
~810 feet south of Lone Mountain Rd	4.9	1800
2 WEST TRIBUTARY-2		
At CAP Canal	3.2	2870
~500 feet north of CAP Canal	1.1	1410
~950 feet east of Crozier Rd	0.8	1150

Table 7.1

Summary of Discharges

Flood Source and Location	Drainage Area (Sq. miles)	100 Year Discharge (cfs)
~1070 feet south of Lone Mountain Rd	0.4	530
WITTMANN WASH		
Just north of CAP Canal	12.5	2800
~810 feet south of Dixileta Dr	11.8	3070
~800 feet south of Dixileta Dr	6.2	2280
~1 mile west of 211th Ave	1.2	640
WITTMANN WASH (NORTH SPLIT)		
Just north of US 60, along Center St	N/A	2130
WITTMANN WASH (SOUTH SPLIT)		
Just north of CAP Canal	0.9	420
WITTMANN TRIBUTARY		
~2450 feet north of US 60	0.8	460

Table 7.1

Summary of Discharges

Flood Source and Location	Drainage Area (Sq. miles)	100 Year Discharge (cfs)
~3750 feet west of 211th Ave	0.6	350
T5N-R3W-S24E		
~400 feet west of 211th Ave	5.2	1660
~2100 feet north of Dove Valley Rd	0.2	510
T5N-R2W-S19E		
Just north of US 60	4.4	2380
~1480 feet north of US 60	2.4	1660
~1200 feet west of 203rd Ave	1.9	1490
~1250 feet south of Dove Valley Rd	0.1	270
T5N-R2W-S19W		
Just north of US 60	3.4	2790
~2600 feet north of US 60	9.8	4250
~420 feet south of Dove Valley Rd	16.7	5620

Table 7.1

Summary of Discharges

Flood Source and Location	Drainage Area (Sq. miles)	100 Year Discharge (cfs)
Just north of Dove Valley Rd	7.6	2740
~830 feet west 211th Ave	4.7	2380
~830 feet west 211th Ave	0.7	800
T5N-R3W-S01S		
~2570 feet west of 211th Ave	5.4	2240
T5N-R2W-S07		
At 211th Ave	4.0	1390
~2450 feet west of 211th Ave	5.4	2370
~2600 feet west of 211th Ave	1.4	660
2 EAST (NORTH OF CAP)		
At Lone Mountain Rd	2.5	1450
At Dove Valley Rd	1.4	890
2 EAST TRIBUTARY		

Table 7.1

Summary of Discharges

Flood Source and Location	Drainage Area (Sq. miles)	100 Year Discharge (cfs)
At Lone Mountain Rd	3.7	2150
T5N-R2W-S14N		
~1150 feet west of 171st Ave	5.2	2930
~880 feet north of Dove Valley Rd	6.3	3590
~2080 feet west of 171st Ave	0.9	610
T5N-R2W-S14S		
~450 feet west of 171st Ave	1.73	1300
T5N-R2W-S14W		
~400 feet west of 171st Ave	5.5	3040
~1150 feet west of 171st Ave	4.6	2680
T5N-R2W-S11		
~900 feet west of 171st Ave	4.0	2700
7 EAST		

Table 7.1

Summary of Discharges

Flood Source and Location	Drainage Area (Sq. miles)	100 Year Discharge (cfs)
At CAP Canal	8.8	3930
~400 feet west of 171st Ave	1.7	1290
7 EAST TRIBUTARY		
~500 feet north of CAP Canal	0.6	510
At Quail Run Rd	0.2	140

7.2 Floodway Data

The floodway data are included in the following pages.

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3. T5N-R3W-S19
4. IONA WASH
5. IONA WASH (NORTH)
6. IONA NORTH WEST SPLIT-1
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8. TRILBY WASH
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13. WITTMANN WASH
14. WITTMANN WASH (NORTH SPLIT)
15. WITTMANN WASH (SOUTH SPLIT)
16. WITTMANN TRIBUTARY
17. T5N-R3W-S24E
18. T5N-R2W-S19E
19. T5N-R2W-S19W
20. T5N-R3W-S01S
21. T5N-R2W-S07
22. WASH 2 EAST (NORTH OF CAP)
23. 2 EAST TRIBUTARY
24. WASH 7 EAST
25. 7 EAST TRIBUTARY
26. IONA EAST (SOUTH OF CAP)
27. IONA WEST (SOUTH OF CAP)
28. WASH 2 WEST (SOUTH OF CAP)
29. WASH 1 WEST
30. WASH 1 EAST
31. WASH 2 EAST (SOUTH OF CAP)
32. WASH 3 EAST
33. WASH 4 EAST
34. WASH 5 EAST
35. WASH 6 EAST
36. 6 EAST SOUTH
37. 7 EAST-EAST SPLIT
38. 7 EAST-WEST SPLIT
39. WASH 8 EAST
40. WASH 9 EAST
41. 9 EAST SPLIT
42. WASH 10 EAST
43. 10 EAST (EAST SPLIT-1)
44. 10 EAST (EAST SPLIT-2)
45. WASH 11 EAST
46. WASH 12 EAST
47. WASH 13 EAST
48. WASH 14 EAST

3 WEST

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
Cross Section	Distance[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
					(FEET NGVD)			
WASH 3 WEST								
0.000	0.00	61	627	6.8	1545.1	1545.1	1545.1	0.0
0.047	0.05	305	2557	1.7	1545.9	1545.9	1546.0	0.2
0.129	0.13	294	6001	1.5	1546.0	1546.0	1546.2	0.2
0.207	0.21	425	3869	1.1	1546.0	1546.0	1546.3	0.3
0.277	0.28	236	2013	2.1	1546.0	1546.0	1546.4	0.3
0.356	0.36	165	1221	3.5	1546.1	1546.1	1546.5	0.5
0.403	0.40	147	970	4.4	1546.1	1546.1	1546.6	0.5
0.483	0.48	152	861	4.9	1546.4	1546.4	1547.1	0.7
0.544	0.54	154	762	5.6	1546.6	1546.6	1547.6	1.0
0.618	0.62	123	544	7.8	1547.9	1547.9	1548.7	0.8
0.701	0.70	126	625	6.8	1550.1	1550.1	1551.0	1.0
0.781	0.78	125	591	7.2	1551.8	1551.8	1552.8	0.9
0.860	0.86	139	648	6.6	1553.6	1553.6	1554.6	1.0
0.948	0.95	93	477	8.9	1555.8	1555.8	1556.6	0.8
1.049	1.05	155	803	5.3	1558.4	1558.4	1559.3	0.9
1.112	1.11	100	452	9.4	1559.5	1559.5	1559.9	0.4
1.168	1.17	152	844	5.0	1561.0	1561.0	1561.9	0.9
1.196	1.20	109	382	9.8	1561.6	1561.6	1561.6	0.1
1.289	1.29	145	665	5.6	1564.1	1564.1	1565.1	1.0
1.340	1.34	71	370	10.1	1565.1	1565.1	1565.3	0.3

Located in Existing Zone AH

[1]Feet Above Confluence With CAP Canal

TABLE5

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

FLOODWAY DATA

WASH 3 WEST

T4N-R3W-S08E

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
Cross Section	Distance[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
					(FEET NGVD)			
WASH T4N-R3W-S08E								
0.000	0.00	77	289	7.3	1563.1	1563.1	1563.6	0.5
0.076	0.08	137	618	3.4	1564.6	1564.6	1565.3	0.6
0.184	0.18	50	191	11.0	1568.1	1568.1	1568.5	0.3
0.268	0.27	71	334	6.3	1572.4	1572.4	1573.2	0.9
0.366	0.37	53	213	9.8	1576.0	1576.0	1576.3	0.3
0.459	0.46	64	305	6.9	1580.2	1580.2	1580.9	0.7
0.552	0.55	61	286	7.4	1582.5	1582.5	1583.4	0.9
0.641	0.64	70	307	6.8	1585.5	1585.5	1586.1	0.6
0.734	0.73	88	307	6.8	1588.5	1588.5	1589.1	0.6
0.831	0.83	114	327	6.4	1592.8	1592.8	1593.3	0.5
0.921	0.92	110	309	6.8	1597.0	1597.0	1597.7	0.7
1.005	1.01	110	353	6.0	1600.3	1600.3	1601.2	0.9
1.090	1.09	133	418	5.0	1603.1	1603.1	1603.7	0.6
1.184	1.18	175	360	5.8	1606.3	1606.3	1606.8	0.5
1.274	1.27	149	432	4.9	1609.8	1609.8	1610.5	0.6
1.353	1.35	212	538	3.9	1612.2	1612.2	1612.9	0.7
1.412	1.41	202	721	5.5	1614.5	1614.5	1614.8	0.3
1.489	1.49	179	481	4.4	1617.5	1617.5	1618.1	0.7
1.539	1.54	324	821	2.6	1618.4	1618.4	1619.0	0.6
1.607	1.61	233	387	5.4	1619.6	1619.6	1619.8	0.1
1.666	1.67	177	401	5.2	1622.0	1622.0	1622.3	0.4
1.737	1.74	136	405	5.2	1623.9	1623.9	1624.7	0.8

Cut into wash 3W to set convergence

[1]Feet Above Confluence With Wash 3 West

TABLE5

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

FLOODWAY DATA

WASH T4N-R3W-S08E

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
Cross Section	Distance[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
					(FEET NGVD)			
WASH S08E (cont'd)								
1.817	1.82	175	486	4.3	1626.4	1626.4	1627.3	0.9
1.900	1.90	144	434	4.8	1629.0	1629.0	1629.9	0.9
1.986	1.99	182	457	4.6	1632.1	1632.1	1633.0	0.9
2.073	2.07	174	429	4.9	1635.3	1635.3	1636.1	0.9
2.156	2.16	120	393	5.3	1638.0	1638.0	1638.9	0.9
2.259	2.26	113	383	5.5	1641.8	1641.8	1642.6	0.9
2.343	2.34	130	440	4.8	1644.5	1644.5	1645.4	1.0
2.440	2.44	120	406	5.2	1647.2	1647.2	1648.0	0.9
2.527	2.53	93	296	7.1	1649.8	1649.8	1650.6	0.9
2.625	2.63	116	410	5.1	1652.5	1652.5	1653.4	0.9
2.699	2.70	100	242	8.7	1654.9	1654.9	1655.6	0.7
2.778	2.78	176	571	3.7	1657.8	1657.8	1658.8	0.9
2.864	2.86	146	301	7.0	1660.4	1660.4	1660.8	0.4
2.960	2.96	191	538	3.9	1663.7	1663.7	1664.6	0.9
3.028	3.03	182	443	4.7	1665.5	1665.5	1666.0	0.5
3.115	3.12	188	423	5.0	1668.5	1668.5	1668.9	0.4
3.213	3.21	146	442	4.8	1671.3	1671.3	1671.7	0.4
3.288	3.29	158	353	6.0	1674.1	1674.1	1674.3	0.3
3.363	3.36	191	483	4.4	1677.2	1677.2	1677.8	0.6
3.439	3.44	307	617	3.4	1679.3	1679.3	1679.9	0.6
3.524	3.52	318	533	3.9	1682.2	1682.2	1682.5	0.3
3.604	3.60	231	513	4.1	1684.9	1684.9	1685.4	0.4

[1]Feet Above Confluence With Wash 3 West

TABLE5

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

FLOODWAY DATA

WASH T4N-R3W-S08E

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
Cross Section	Distance[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
					(FEET NGVD)			
WASH S08E (cont'd)								
3.698	3.70	241	505	4.2	1688.1	1688.1	1688.4	0.4
3.779	3.78	244	524	4.0	1691.0	1691.0	1691.3	0.3
3.856	3.86	282	525	4.0	1693.5	1693.5	1693.9	0.5
3.937	3.94	168	456	4.6	1695.7	1695.7	1696.5	0.8
4.014	4.01	110	391	5.4	1697.7	1697.7	1698.6	0.9
4.102	4.10	152	454	4.6	1700.3	1700.3	1701.1	0.9
4.178	4.18	179	404	5.2	1703.0	1703.0	1703.8	0.8
4.256	4.26	143	463	4.5	1705.6	1705.6	1706.4	0.8
4.336	4.34	184	343	4.4	1708.3	1708.3	1708.7	0.4
4.417	4.42	419	577	2.6	1711.3	1711.3	1711.5	0.1
4.493	4.49	97	83	5.2	1713.7	1713.7	1713.7	0.0
4.585	4.59	110	172	2.5	1717.6	1717.6	1718.0	0.4
4.652	4.65	134	138	3.1	1719.6	1719.6	1719.9	0.2
4.752	4.75	152	168	2.6	1723.1	1723.1	1723.7	0.7
4.817	4.82	143	182	2.4	1725.1	1725.1	1725.4	0.3

[1]Feet Above Confluence With Wash 3 West

TABLE5

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

FLOODWAY DATA

WASH T4N-R3W-S08E

T5N-R3W-S19

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
Cross Section	Distance[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
					(FEET NGVD)			
WASH T5N-R3W-S19								
0.000	0.00	184	372	4.0	1708.5	1708.5	1708.9	0.3
0.078	0.08	419	536	2.8	1711.1	1711.1	1711.4	0.2
0.185	0.19	113	205	5.2	1714.9	1714.9	1715.2	0.4
0.263	0.26	129	282	3.8	1717.8	1717.8	1718.6	0.8
0.338	0.34	133	245	4.4	1720.5	1720.5	1721.2	0.7
0.413	0.41	366	544	2.0	1723.1	1723.1	1723.4	0.3
0.510	0.51	112	115	5.7	1725.1	1725.1	1725.5	0.4
0.580	0.58	117	192	3.4	1728.2	1728.2	1729.2	1.0

To tie in to S08E model

[1]Feet Above Confluence With Wash T4N-R3W-S08E

TABLE5

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

FLOODWAY DATA

WASH T5N-R3W-S19

IONA WASH

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
Cross Section	Distance[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
					(FEET NGVD)			
IONA WASH								
0.034	0.03	2978	11023	0.6	1553.5	1553.5	1553.5	0.0
0.118	0.12	3267	16602	0.4	1553.5	1553.5	1553.5	0.0
0.232	0.23	629	2759	1.1	1553.5	1553.5	1553.5	0.0
0.333	0.33	469	884	3.4	1553.5	1553.5	1553.5	0.0
0.439	0.44	114	349	8.6	1555.5	1555.5	1555.6	0.0
0.531	0.53	99	540	5.6	1557.9	1557.9	1558.9	1.0
0.623	0.62	64	354	8.5	1560.1	1560.1	1560.4	0.3
0.726	0.73	81	399	7.5	1563.7	1563.7	1563.9	0.2
0.821	0.82	91	402	7.5	1566.2	1566.2	1566.3	0.1
0.914	0.91	57	469	6.3	1567.6	1567.6	1568.3	0.7
1.016	1.02	34	235	12.6	1569.3	1569.3	1569.7	0.4
1.109	1.11	78	514	5.8	1573.5	1573.5	1574.3	0.8
1.186	1.19	90	641	4.6	1574.5	1574.5	1575.2	0.7
1.264	1.26	52	245	12.1	1577.9	1577.9	1578.3	0.4
1.322	1.32	65	422	7.0	1581.8	1581.8	1582.4	0.5
1.404	1.40	56	397	7.5	1583.8	1583.8	1584.2	0.4
1.496	1.50	39	210	8.5	1585.4	1585.4	1586.4	1.0
1.587	1.59	34	213	8.3	1589.3	1589.3	1589.6	0.3
1.671	1.67	69	324	5.5	1592.0	1592.0	1592.2	0.2
1.762	1.76	38	159	11.2	1595.6	1595.6	1595.7	0.0
1.847	1.85	42	263	6.8	1600.8	1600.8	1600.8	0.1
1.907	1.91	54	254	7.0	1602.5	1602.5	1602.6	0.1

Located in existing Zone AH ponding area

[1]Feet Above Confluence With CAP Canal

TABLE5

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

FLOODWAY DATA

IONA WASH

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
Cross Section	Distance[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
					(FEET NGVD)			
IONA WASH (cont'd)								
1.985	1.99	220	390	4.6	1605.0	1605.0	1605.5	0.5
2.060	2.06	660	861	2.1	1608.4	1608.4	1608.4	0.0
2.137	2.14	924	1080	1.7	1610.0	1610.0	1610.1	0.1
2.237	2.24	738	764	2.3	1612.7	1612.7	1612.7	0.0
2.293	2.29	806	1181	5.9	1615.0	1615.0	1615.5	0.5
2.396	2.40	1146	2053	3.4	1617.6	1617.6	1618.5	1.0
2.433	2.43	1110	1917	3.7	1619.1	1619.1	1619.6	0.5
2.507	2.51	1006	1474	4.8	1621.7	1621.7	1622.0	0.3
2.644	2.64	1081	2284	3.1	1625.5	1625.5	1626.1	0.6
2.759	2.76	770	1628	4.3	1628.7	1628.7	1629.3	0.6
2.882	2.88	546	1584	4.2	1632.4	1632.4	1633.2	0.8
2.944	2.94	540	1483	4.5	1633.4	1633.4	1634.2	0.8
2.980	2.98	370	902	7.3	1635.1	1635.1	1635.7	0.6
3.056	3.06	610	2025	3.3	1637.0	1637.0	1637.9	0.9
3.154	3.15	325	778	8.5	1640.0	1640.0	1640.5	0.5
3.250	3.25	400	1403	4.7	1644.5	1644.5	1645.3	0.8
3.335	3.34	527	1284	5.2	1647.1	1647.1	1647.8	0.8
3.415	3.42	655	1555	4.3	1650.2	1650.2	1651.0	0.7
3.528	3.53	656	1401	4.7	1653.9	1653.9	1654.8	0.9
3.648	3.65	639	1561	4.2	1658.1	1658.1	1658.9	0.8
3.736	3.74	593	1409	4.7	1660.8	1660.8	1661.7	0.9
3.818	3.82	548	1426	4.6	1663.7	1663.7	1664.3	0.6

[1]Feet Above Confluence With CAP Canal

TABLE5

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

FLOODWAY DATA

IONA WASH

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
Cross Section	Distance[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
					(FEET NGVD)			
IONA WASH (cont'd)								
3.889	3.89	559	1356	4.9	1666.5	1666.5	1666.6	0.1
3.990	3.99	513	1430	4.6	1669.3	1669.3	1669.6	0.3
4.071	4.07	475	1239	5.3	1671.9	1671.9	1672.1	0.2
4.161	4.16	487	1301	5.1	1674.7	1674.7	1675.4	0.7
4.243	4.24	569	1400	4.7	1677.1	1677.1	1677.8	0.7
4.314	4.31	579	1221	5.4	1679.3	1679.3	1679.7	0.4
4.413	4.41	392	1001	5.7	1682.4	1682.4	1683.1	0.7
4.479	4.48	246	854	6.6	1685.0	1685.0	1685.8	0.8
4.547	4.55	191	764	7.4	1687.5	1687.5	1688.4	1.0
4.629	4.63	289	1249	4.5	1690.4	1690.4	1690.6	0.2
4.696	4.70	283	1039	5.4	1691.1	1691.1	1691.6	0.5
4.777	4.78	170	665	8.5	1693.6	1693.6	1693.8	0.2
4.844	4.84	218	1072	5.3	1695.4	1695.4	1696.4	1.0
4.901	4.90	221	1047	5.4	1696.7	1696.7	1697.4	0.8

[1]Feet Above Confluence With CAP Canal

TABLE5

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

FLOODWAY DATA

IONA WASH

IONA WASH (NORTH)

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
Cross Section	Distance[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
					(FEET NGVD)			
IONA WASH								
0.000	0.00	237	236	5.7	1776.8	1776.8	1777.0	0.2
0.104	0.10	197	224	5.9	1781.7	1781.7	1782.6	0.9
0.219	0.22	153	292	4.6	1788.2	1788.2	1789.0	0.8
0.305	0.31	119	255	5.2	1792.4	1792.4	1793.2	0.8
0.396	0.40	149	305	4.4	1796.5	1796.5	1797.5	1.0
0.492	0.49	201	319	4.2	1800.2	1800.2	1801.0	0.8
0.569	0.57	229	359	3.7	1803.6	1803.6	1804.6	0.9
0.656	0.66	282	367	3.6	1807.3	1807.3	1808.0	0.7
0.682	0.68	267	324	4.1	1808.7	1808.7	1809.4	0.7
0.765	0.77	182	328	4.1	1812.1	1812.1	1812.9	0.8
0.833	0.83	149	287	4.6	1814.5	1814.5	1815.5	1.0
0.905	0.91	362	468	2.8	1818.2	1818.2	1818.3	0.1
0.991	0.99	694	975	4.7	1823.7	1823.7	1824.0	0.2
1.074	1.07	384	1727	5.1	1827.9	1827.9	1828.9	1.0
1.147	1.15	362	2000	5.8	1831.3	1831.3	1832.3	1.0
1.219	1.22	440	1715	5.7	1835.7	1835.7	1836.1	0.4
1.293	1.29	801	921	5.0	1840.7	1840.7	1841.6	0.9
1.400	1.40	892	2870	1.3	1841.7	1841.7	1842.6	0.9
1.505	1.51	326	510	7.0	1844.5	1844.5	1845.4	1.0
1.578	1.58	284	614	5.8	1850.9	1850.9	1851.1	0.2
1.603	1.60	306	770	4.7	1852.6	1852.6	1852.7	0.1
1.683	1.68	462	885	4.1	1856.1	1856.1	1856.1	0.0

[1]Feet Above Confluence With Iona Wash

TABLE5

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

FLOODWAY DATA

IONA WASH

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
Cross Section	Distance[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
					(FEET NGVD)			
IONA WASH (cont'd)								
1.758	1.76	513	833	4.3	1859.9	1859.9	1860.0	0.0
1.830	1.83	299	526	6.8	1863.2	1863.2	1863.8	0.7
1.925	1.93	246	476	7.5	1868.3	1868.3	1869.3	1.0
2.000	2.00	181	505	7.1	1872.4	1872.4	1873.2	0.8
2.080	2.08	206	466	7.7	1875.7	1875.7	1876.7	0.9
2.149	2.15	115	372	9.6	1880.5	1880.5	1880.5	0.1
2.227	2.23	113	384	9.3	1884.8	1884.8	1885.1	0.3
2.324	2.32	232	591	6.1	1889.6	1889.6	1890.0	0.3
2.436	2.44	174	411	8.7	1895.6	1895.6	1895.6	0.0
2.526	2.53	145	478	7.5	1900.2	1900.2	1900.8	0.6
2.599	2.60	82	350	10.2	1903.9	1903.9	1904.4	0.5
2.678	2.68	104	512	6.9	1908.3	1908.3	1909.2	0.9
2.791	2.79	199	578	6.1	1913.6	1913.6	1913.7	0.1
2.850	2.85	152	457	7.7	1916.6	1916.6	1916.8	0.2
2.919	2.92	206	576	6.1	1920.6	1920.6	1921.0	0.4
2.932	2.93	96	342	10.3	1921.3	1921.3	1921.3	0.0
2.939	2.94	97	534	6.6	1923.6	1923.6	1923.6	0.0
2.945	2.95	98	484	7.3	1923.7	1923.7	1923.7	0.0
2.952	2.95	92	490	7.2	1923.9	1923.9	1923.9	0.0
2.959	2.96	94	527	6.7	1924.5	1924.5	1924.5	0.0
3.007	3.01	227	915	3.9	1925.8	1925.8	1925.8	0.0
3.040	3.04	154	403	8.8	1926.1	1926.1	1926.2	0.1

[1]Feet Above Confluence With Iona Wash

TABLE5

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

FLOODWAY DATA

IONA WASH

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
Cross Section	Distance[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
					(FEET NGVD)			
IONA WASH (cont'd)								
3.043	3.04	156	635	5.6	1927.6	1927.6	1927.6	0.0
3.087	3.09	93	326	10.6	1929.4	1929.4	1929.9	0.5
3.180	3.18	141	555	6.2	1934.9	1934.9	1935.6	0.7
3.257	3.26	85	321	10.8	1938.3	1938.3	1938.6	0.2
3.349	3.35	114	503	6.9	1943.1	1943.1	1943.9	0.9
3.422	3.42	120	375	9.2	1946.2	1946.2	1947.1	0.9
3.523	3.52	107	471	7.3	1951.6	1951.6	1952.6	0.9
3.602	3.60	144	473	7.3	1955.1	1955.1	1955.8	0.7
3.689	3.69	301	665	5.2	1960.3	1960.3	1960.4	0.1
3.796	3.80	267	500	6.9	1966.7	1966.7	1967.2	0.5
3.879	3.88	135	477	7.3	1972.2	1972.2	1972.9	0.7
3.946	3.95	145	457	7.6	1975.6	1975.6	1976.3	0.7
4.038	4.04	234	586	5.9	1980.9	1980.9	1981.3	0.4
4.092	4.09	161	441	7.9	1983.7	1983.7	1984.2	0.5
4.164	4.16	205	627	5.5	1987.6	1987.6	1988.1	0.5
4.247	4.25	303	578	6.0	1991.9	1991.9	1992.0	0.1
4.312	4.31	251	571	6.1	1995.6	1995.6	1996.0	0.4
4.396	4.40	111	350	9.2	2000.8	2000.8	2001.8	0.9
4.486	4.49	109	341	6.4	2006.8	2006.8	2007.6	0.8
4.584	4.58	90	239	9.1	2012.5	2012.5	2013.1	0.6
4.664	4.66	124	285	7.6	2017.4	2017.4	2018.4	1.0
4.755	4.76	129	300	7.2	2022.3	2022.3	2023.1	0.8

[1]Feet Above Confluence With Iona Wash

TABLE5

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

FLOODWAY DATA

IONA WASH

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
Cross Section	Distance[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
					(FEET NGVD)			
IONA WASH (cont'd)								
4.826	4.83	155	337	6.4	2026.1	2026.1	2026.8	0.8
4.925	4.93	194	413	7.5	2032.5	2032.5	2033.5	1.0
5.018	5.02	297	514	6.0	2038.9	2038.9	2039.5	0.6

[1]Feet Above Confluence With Iona Wash

TABLE5

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

FLOODWAY DATA

IONA WASH

IONA NORTH WEST SLPIT-1

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
Cross Section	Distance[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
					(FEET NGVD)			
WASH NORTH WEST SPLIT-1								
0.000	0.00	111	349	9.2	2000.8	2000.8	2001.8	0.9
0.100	0.10	67	249	6.1	2006.6	2006.6	2007.5	0.9
0.156	0.16	65	170	9.0	2008.9	2008.9	2009.2	0.4
0.224	0.22	114	229	6.6	2013.6	2013.6	2014.1	0.5
0.318	0.32	71	200	7.6	2018.7	2018.7	2018.9	0.2
0.388	0.39	92	192	7.9	2023.6	2023.6	2024.3	0.7
0.450	0.45	213	359	4.2	2026.7	2026.7	2027.6	0.9
0.549	0.55	194	413	7.5	2032.5	2032.5	2033.5	1.0

[1]Feet Above Confluence With Iona Wash North

TABLE5

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

FLOODWAY DATA

IONA WASH NORTH WEST SPLIT-1

IONA EAST SPLIT-1

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
Cross Section	Distance[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
					(FEET NGVD)			
IONA EAST SPLIT-1								
0.000	0.00	159	388	5.2	1605.5	1605.5	1605.6	0.1
0.061	0.06	150	441	4.6	1607.5	1607.5	1607.6	0.1
0.151	0.15	143	692	6.0	1610.3	1610.3	1610.5	0.2
0.179	0.18	187	1180	4.2	1611.6	1611.6	1611.7	0.1
0.272	0.27	192	315	6.4	1615.7	1615.7	1616.1	0.4
0.329	0.33	234	819	2.5	1617.8	1617.8	1618.8	0.9
0.408	0.41	161	601	3.4	1619.3	1619.3	1620.1	0.8
0.492	0.49	118	494	3.5	1621.1	1621.1	1622.0	0.9
0.579	0.58	120	493	3.5	1623.1	1623.1	1623.9	0.8
0.654	0.65	151	522	3.3	1624.8	1624.8	1625.7	0.9
0.737	0.74	91	367	4.7	1626.7	1626.7	1627.7	1.0
0.827	0.83	60	247	7.0	1630.2	1630.2	1631.1	0.9
0.916	0.92	76	380	4.6	1633.7	1633.7	1634.5	0.9
1.002	1.00	83	329	5.3	1635.9	1635.9	1636.7	0.8
1.091	1.09	116	380	4.6	1638.9	1638.9	1639.9	1.0
1.187	1.19	37	164	8.6	1643.4	1643.4	1644.0	0.6
1.298	1.30	77	289	4.9	1649.4	1649.4	1650.3	0.9
1.387	1.39	38	201	7.0	1653.0	1653.0	1653.4	0.3
1.480	1.48	40	153	9.2	1658.5	1658.5	1658.7	0.2
1.547	1.55	121	288	4.9	1662.3	1662.3	1663.2	0.9
1.628	1.63	179	264	5.3	1666.3	1666.3	1667.3	1.0
1.722	1.72	197	382	3.7	1670.3	1670.3	1671.2	1.0

[1]Feet Above Confluence With Trilby Wash

TABLE5

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

FLOODWAY DATA

IONA EAST SPLIT-1

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
Cross Section	Distance[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
					(FEET NGVD)			
IONA ES-1 (cont'd)								
1.834	1.834	128	233.93	6.03	1674.45	1674.45	1675.42	0.96
1.949	1.95	247	442	3.2	1678.8	1678.8	1679.8	1.0
2.054	2.05	210	268	3.7	1681.7	1681.7	1682.4	0.7
4.460	4.46	42	67	2.9	1788.1	1788.1	1788.8	0.7
4.539	4.54	132	182	3.8	1791.2	1791.2	1792.2	1.0
4.638	4.64	187	239	2.9	1795.4	1795.4	1796.2	0.7
4.732	4.73	111	121	5.8	1798.8	1798.8	1799.6	0.8
4.808	4.81	79	174	4.0	1802.8	1802.8	1803.6	0.8
4.895	4.90	137	212	3.3	1806.2	1806.2	1806.3	0.1
4.977	4.98	66	117	6.0	1809.7	1809.7	1810.0	0.3
5.056	5.06	162	225	3.1	1813.1	1813.1	1814.0	0.9
5.108	5.11	90	127	5.5	1816.3	1816.3	1816.5	0.3
5.172	5.17	100	184	3.8	1820.3	1820.3	1820.4	0.2
5.261	5.26	740	1193	3.8	1823.9	1823.9	1824.3	0.4

[1]Feet Above Confluence With Trilby Wash

TABLE5

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

FLOODWAY DATA

IONA EAST SPLIT-1

TRILBY WASH

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
Cross Section	Distance[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
					(FEET NGVD)			
TRILBY WASH								
18.481	18.48	125	374	7.1	1920.6	1920.6	1920.9	0.3
18.537	18.54	137	321	8.3	1926.0	1926.0	1926.1	0.0
18.615	18.62	328	733	8.1	1931.6	1931.6	1932.1	0.5
18.710	18.71	414	803	7.4	1938.1	1938.1	1938.7	0.6
18.769	18.77	392	851	6.9	1943.5	1943.5	1944.0	0.5
18.854	18.85	282	737	8.0	1948.7	1948.7	1949.7	1.0
18.927	18.93	267	690	8.6	1954.3	1954.3	1955.0	0.7
19.018	19.02	204	623	9.5	1959.9	1959.9	1960.2	0.4
19.104	19.10	240	707	8.4	1966.4	1966.4	1967.4	1.0
19.158	19.16	239	698	8.5	1970.3	1970.3	1971.2	0.9
19.240	19.24	259	739	8.0	1976.5	1976.5	1977.5	1.0
19.298	19.30	304	767	7.7	1979.9	1979.9	1980.0	0.1
19.352	19.35	285	732	8.1	1983.5	1983.5	1984.4	1.0
19.439	19.44	256	702	8.4	1989.7	1989.7	1990.4	0.7
19.493	19.49	302	762	7.7	1993.5	1993.5	1994.4	1.0

From effective model; used to tie into FP/FW

[1]Feet Above Confluence With McMicken Dam Outlet Works

TABLE5

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

FLOODWAY DATA

TRILBY WASH

CIRCLE CITY AREA WASH 1

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
Cross Section	Distance[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
					(FEET NGVD)			
RCLE CITY AREA WASH 1								
0.555	0.56	89	143	4.6	1781.7	1781.7	1781.7	0.0
0.629	0.63	62	119	5.5	1785.9	1785.9	1786.6	0.7
0.707	0.71	102	194	3.4	1789.9	1789.9	1790.2	0.3
0.829	0.83	75	109	6.0	1794.4	1794.4	1795.3	0.9
0.894	0.89	61	134	4.9	1798.4	1798.4	1799.2	0.8
0.977	0.98	52	110	6.0	1803.0	1803.0	1803.0	0.0
1.030	1.03	42	109	6.1	1805.2	1805.2	1805.7	0.6
1.121	1.12	47	104	6.3	1810.4	1810.4	1810.4	0.0
1.208	1.21	72	141	4.7	1814.1	1814.1	1815.0	0.9
1.281	1.28	98	129	4.0	1817.8	1817.8	1818.1	0.3
1.373	1.37	65	83	6.2	1824.2	1824.2	1824.2	0.0
1.454	1.45	44	102	5.1	1829.2	1829.2	1829.9	0.8
1.539	1.54	114	120	4.3	1834.0	1834.0	1834.0	0.1
1.610	1.61	69	85	6.2	1838.7	1838.7	1839.2	0.6
1.687	1.69	112	143	3.6	1843.3	1843.3	1843.7	0.3
1.738	1.74	70	86	6.0	1846.3	1846.3	1846.3	0.0

[1]Feet Above Confluence With Trilby Wash Middle Channel

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

FLOODWAY DATA

CIRCLE CITY AREA WASH 1

TABLE5

2 WEST (NORTH OF CAP)

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
Cross Section	Distance[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
					(FEET NGVD)			
WASH 2 WEST								
0.066	0.07	1326	5879	0.7	1551.8	1551.8	1551.8	0.0
0.161	0.16	804	2152	1.9	1551.8	1551.8	1551.9	0.1
0.237	0.24	416	785	5.2	1552.4	1552.4	1553.2	0.8
0.319	0.32	334	1005	4.1	1554.9	1554.9	1555.4	0.5
0.426	0.43	232	536	7.7	1557.0	1557.0	1557.8	0.8
0.530	0.53	288	841	4.9	1561.0	1561.0	1562.0	1.0
0.597	0.60	213	567	7.2	1563.5	1563.5	1563.8	0.4
0.673	0.67	222	706	5.8	1565.9	1565.9	1566.9	1.0
0.736	0.74	245	681	6.0	1568.6	1568.6	1568.9	0.3
0.812	0.81	440	616	6.7	1572.9	1572.9	1573.7	0.8
0.900	0.90	374	1447	2.8	1574.9	1574.9	1575.8	0.9
0.961	0.96	338	794	5.2	1575.9	1575.9	1576.5	0.6
1.046	1.05	427	1020	4.0	1579.0	1579.0	1579.3	0.3
1.110	1.11	96	697	11.0	1581.0	1581.0	1581.4	0.4
1.127	1.13	261	1245	3.5	1583.6	1583.6	1584.3	0.7
1.196	1.20	329	838	1.7	1584.3	1584.3	1585.0	0.7
1.298	1.30	160	213	6.6	1585.8	1585.8	1586.5	0.7
1.387	1.39	109	325	4.3	1589.8	1589.8	1590.8	0.9
1.472	1.47	104	243	5.8	1592.3	1592.3	1593.2	0.8
1.550	1.55	133	383	3.7	1594.7	1594.7	1595.6	0.9
1.592	1.59	128	311	4.5	1595.6	1595.6	1596.4	0.8
1.658	1.66	73	218	6.5	1597.7	1597.7	1598.5	0.8

Located in Zone AH ponding area

[1]Feet Above Confluence With CAP Canal

TABLE5

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

FLOODWAY DATA

WASH 2 WEST

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
Cross Section	Distance[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
					(FEET NGVD)			
WASH 2 WEST (cont'd)								
1.714	1.71	124	394	3.6	1599.5	1599.5	1600.3	0.8
1.750	1.75	97	210	6.7	1600.6	1600.6	1601.1	0.5
1.808	1.81	102	279	5.1	1603.3	1603.3	1604.2	0.9
1.911	1.91	44	133	7.8	1607.1	1607.1	1607.9	0.8
1.947	1.95	102	253	4.1	1608.9	1608.9	1609.9	1.0
2.023	2.02	31	115	9.1	1611.4	1611.4	1612.0	0.6
2.048	2.05	32	125	8.3	1613.3	1613.3	1614.0	0.6
2.134	2.13	43	208	5.0	1616.5	1616.5	1617.2	0.7
2.215	2.22	29	125	8.4	1618.5	1618.5	1619.1	0.5
2.303	2.30	30	129	8.1	1623.9	1623.9	1624.1	0.3
2.369	2.37	33	143	7.3	1627.0	1627.0	1627.5	0.5
2.426	2.43	41	140	7.4	1629.7	1629.7	1630.2	0.5
2.478	2.48	31	132	7.9	1632.8	1632.8	1632.8	0.0
2.565	2.57	54	208	5.0	1635.2	1635.2	1636.0	0.7
2.622	2.62	42	112	9.3	1637.7	1637.7	1637.7	0.0
2.667	2.67	35	140	7.4	1640.2	1640.2	1640.6	0.4
2.718	2.72	67	244	4.3	1641.8	1641.8	1642.2	0.3
2.794	2.79	105	192	5.4	1642.9	1642.9	1643.3	0.4
2.884	2.88	86	156	6.7	1645.5	1645.5	1646.5	1.0
2.965	2.97	50	131	7.9	1649.2	1649.2	1650.0	0.8
3.045	3.05	177	382	2.7	1652.4	1652.4	1653.4	1.0
3.136	3.14	183	371	2.8	1655.0	1655.0	1655.6	0.6

[1]Feet Above Confluence With CAP Canal

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
Cross Section	Distance[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
					(FEET NGVD)			
WASH 2 WEST (cont'd)								
3.219	3.22	145	274	3.8	1657.6	1657.6	1658.5	0.9
3.315	3.32	224	376	2.8	1661.1	1661.1	1661.4	0.3
3.399	3.40	107	156	6.7	1664.2	1664.2	1664.6	0.3
3.484	3.48	96	274	3.8	1668.1	1668.1	1668.9	0.8
3.553	3.55	112	174	6.0	1670.5	1670.5	1671.4	0.8

[1]Feet Above Confluence With CAP Canal

TABLE5

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

FLOODWAY DATA

WASH 2 WEST

2 WEST TRIBUTARY-1

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
Cross Section	Distance[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
					(FEET NGVD)			
WASH 2 WEST TRIBUTARY-1								
0.000	0.00	169	594	6.6	1575.4	1575.4	1576.4	1.0
0.109	0.11	181	578	6.8	1578.8	1578.8	1579.7	0.9
0.282	0.28	304	616	6.4	1585.0	1585.0	1585.8	0.9
0.360	0.36	263	638	6.2	1588.3	1588.3	1588.5	0.2
0.456	0.46	621	1191	4.3	1591.2	1591.2	1591.4	0.3
0.543	0.54	506	995	5.1	1593.0	1593.0	1593.5	0.5
0.629	0.63	522	1124	4.5	1596.0	1596.0	1596.3	0.4
0.728	0.73	197	510	7.7	1599.4	1599.4	1599.6	0.2
0.810	0.81	210	762	5.2	1601.8	1601.8	1602.1	0.3
0.900	0.90	265	498	7.9	1604.0	1604.0	1605.0	1.0
0.974	0.97	257	630	6.2	1607.0	1607.0	1607.8	0.8
1.031	1.03	319	537	7.3	1610.5	1610.5	1610.7	0.2
1.098	1.10	754	1374	2.9	1613.2	1613.2	1614.0	0.8
1.181	1.18	674	709	5.6	1615.8	1615.8	1616.0	0.2
1.250	1.25	745	1142	3.5	1618.5	1618.5	1619.4	0.9
1.328	1.33	683	903	4.5	1622.2	1622.2	1622.7	0.5
1.393	1.39	706	1192	3.4	1624.5	1624.5	1625.4	1.0
1.511	1.51	480	731	5.5	1629.5	1629.5	1630.2	0.7
1.572	1.57	474	959	4.2	1632.5	1632.5	1633.4	0.9
1.651	1.65	286	684	5.9	1635.9	1635.9	1636.8	0.9
1.740	1.74	171	623	6.5	1640.4	1640.4	1641.3	0.9
1.793	1.79	160	638	6.3	1642.8	1642.8	1643.6	0.8

[1]Feet Above Confluence With Wash 2 West

To get convergence in model

TABLE5

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

FLOODWAY DATA

WASH 2 WEST
TRIBUTARY-1

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
Cross Section	Distance[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
					(FEET NGVD)			
WASH 2 WEST TRIB-1 (cont'd)								
1.864	1.86	262	816	4.9	1645.5	1645.5	1646.3	0.8
1.944	1.94	333	754	5.4	1648.2	1648.2	1649.2	1.0
2.033	2.03	206	374	4.8	1653.1	1653.1	1653.1	0.0
2.091	2.09	238	312	5.8	1655.0	1655.0	1655.6	0.6
2.105	2.11	258	683	2.6	1657.4	1657.4	1658.2	0.8
2.195	2.20	94	222	8.1	1659.2	1659.2	1659.6	0.5
2.262	2.26	110	367	4.9	1662.9	1662.9	1663.7	0.8
2.339	2.34	86	221	8.2	1666.2	1666.2	1667.0	0.8
2.418	2.42	53	248	7.3	1671.2	1671.2	1672.1	0.9
2.510	2.51	95	291	6.2	1675.1	1675.1	1675.9	0.8
2.571	2.57	61	237	7.6	1677.6	1677.6	1678.3	0.7
2.640	2.64	84	282	6.4	1681.3	1681.3	1682.1	0.9
2.730	2.73	76	245	7.4	1685.4	1685.4	1686.2	0.8
2.788	2.79	88	296	6.1	1688.2	1688.2	1689.1	1.0
2.885	2.89	102	289	6.2	1692.8	1692.8	1693.6	0.8
2.969	2.97	105	287	6.3	1696.9	1696.9	1697.8	0.9
3.062	3.06	84	258	7.0	1701.7	1701.7	1702.5	0.8
3.161	3.16	170	335	5.4	1706.9	1706.9	1707.9	1.0
3.237	3.24	240	319	5.6	1711.1	1711.1	1711.9	0.8
3.335	3.34	91	269	6.7	1717.0	1717.0	1717.9	0.8
3.413	3.41	181	468	3.9	1719.7	1719.7	1720.6	1.0

[1]Feet Above Confluence With Wash 2 West

TABLE5

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

FLOODWAY DATA

WASH 2 WEST
TRIBUTARY-1

2 WEST TRIBUTARY-2

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
Cross Section	Distance[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
					(FEET NGVD)			
WASH 2 WEST TRIBUTARY-2								
0.084	0.08	938	4280	0.7	1551.8	1551.8	1551.8	0.0
0.154	0.15	695	1559	1.8	1551.8	1551.8	1551.9	0.0
0.225	0.23	401	290	4.9	1552.3	1552.3	1552.5	0.3
0.313	0.31	409	585	2.4	1555.9	1555.9	1556.4	0.6
0.405	0.41	266	258	5.5	1559.7	1559.7	1560.2	0.5
0.508	0.51	365	471	3.0	1564.1	1564.1	1565.1	1.0
0.638	0.64	200	388	3.6	1567.4	1567.4	1568.1	0.7
0.726	0.73	232	412	3.4	1569.4	1569.4	1570.4	1.0
0.790	0.79	198	321	4.4	1571.6	1571.6	1572.5	0.9
0.850	0.85	173	321	4.4	1574.2	1574.2	1575.0	0.8
0.937	0.94	184	339	4.2	1577.7	1577.7	1578.5	0.9
1.040	1.04	261	412	3.4	1582.0	1582.0	1582.6	0.7
1.128	1.13	354	492	2.9	1584.3	1584.3	1585.2	1.0
1.199	1.20	283	370	3.1	1586.5	1586.5	1587.1	0.6
1.272	1.27	275	341	3.4	1588.8	1588.8	1589.2	0.5
1.315	1.32	621	1001	5.1	1590.8	1590.8	1591.1	0.4
1.386	1.39	445	1058	4.8	1593.3	1593.3	1594.0	0.6
1.469	1.47	382	928	5.5	1596.0	1596.0	1596.4	0.5
1.571	1.57	160	323	3.6	1599.7	1599.7	1600.0	0.2
1.660	1.66	209	333	3.5	1601.7	1601.7	1602.6	0.9
1.679	1.68	159	265	4.3	1602.6	1602.6	1603.4	0.9
1.765	1.77	154	310	3.7	1605.5	1605.5	1606.4	0.9

In Zone AH ponding Area

[1]Feet Above Confluence With CAP Canal

TABLE5

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

FLOODWAY DATA

WASH 2 WEST
TRIBUTARY-2

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
Cross Section	Distance[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
					(FEET NGVD)			
WASH 2 WEST TRIB-2 (cont'd)								
1.846	1.85	200	281	4.1	1608.7	1608.7	1609.2	0.6
1.932	1.93	199	321	3.6	1611.8	1611.8	1612.7	0.9
2.007	2.01	189	283	4.1	1614.8	1614.8	1615.5	0.7
2.078	2.08	167	288	4.0	1617.6	1617.6	1618.2	0.6
2.138	2.14	139	254	4.5	1620.3	1620.3	1620.4	0.1
2.195	2.20	135	254	4.5	1622.5	1622.5	1623.0	0.5
2.276	2.28	106	245	4.7	1625.6	1625.6	1626.3	0.7
2.346	2.35	96	204	5.6	1629.2	1629.2	1629.5	0.3
2.401	2.40	64	162	7.1	1632.4	1632.4	1633.0	0.6
2.479	2.48	42	168	6.9	1636.5	1636.5	1637.2	0.7
2.549	2.55	88	221	5.2	1639.4	1639.4	1640.0	0.6
2.633	2.63	41	91	5.8	1643.2	1643.2	1643.5	0.3
2.722	2.72	52	129	4.1	1647.5	1647.5	1647.5	0.0
2.817	2.82	94	126	4.2	1651.3	1651.3	1651.4	0.1
2.893	2.89	70	112	4.7	1655.4	1655.4	1655.8	0.4
2.953	2.95	50	101	5.2	1658.2	1658.2	1659.0	0.9
3.014	3.01	48	107	5.0	1661.8	1661.8	1662.2	0.4

[1]Feet Above Confluence With CAP Canal

TABLE5

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

FLOODWAY DATA

WASH 2 WEST
TRIBUTARY-2

WITTMANN WASH

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
Cross Section	Distance[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
					(FEET NGVD)			
WITTMANN WASH								
0.019	0.02	891	941	3.0	1553.4	1553.4	1553.4	0.0
0.040	0.04	623	815	3.4	1553.6	1553.6	1554.3	0.7
0.082	0.08	399	710	3.9	1555.2	1555.2	1555.9	0.7
0.170	0.17	383	688	4.1	1558.6	1558.6	1559.5	1.0
0.246	0.25	270	625	4.5	1561.8	1561.8	1562.5	0.7
0.339	0.34	290	675	4.2	1565.0	1565.0	1565.9	0.9
0.438	0.44	306	706	4.0	1568.6	1568.6	1568.9	0.3
0.529	0.53	288	530	5.3	1571.3	1571.3	1572.1	0.8
0.634	0.63	265	545	5.1	1576.1	1576.1	1577.0	0.9
0.712	0.71	337	635	4.4	1579.3	1579.3	1580.3	1.0
0.808	0.81	313	521	5.4	1583.4	1583.4	1584.0	0.7
0.855	0.86	243	533	5.3	1585.7	1585.7	1586.2	0.5
0.916	0.92	649	1027	3.0	1588.0	1588.0	1588.6	0.5
0.996	1.00	382	713	4.3	1591.3	1591.3	1591.4	0.1
1.078	1.08	380	914	3.4	1594.2	1594.2	1595.1	1.0
1.177	1.18	343	733	4.2	1597.9	1597.9	1598.7	0.8
1.248	1.25	347	802	3.8	1600.6	1600.6	1601.6	0.9
1.312	1.31	319	700	4.4	1603.1	1603.1	1603.8	0.7
1.394	1.39	312	716	4.3	1606.0	1606.0	1607.0	1.0
1.466	1.47	286	789	3.9	1609.1	1609.1	1609.8	0.7
1.512	1.51	272	657	4.7	1610.9	1610.9	1611.5	0.6
1.569	1.57	187	490	6.3	1612.6	1612.6	1613.6	1.0

CAP Ponding area

[1]Feet Above Confluence With CAP Canal

TABLE5

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

FLOODWAY DATA

WITTMANN WASH

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
Cross Section	Distance[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
					(FEET NGVD)			
WITTMANN WASH (cont'd)								
1.674	1.67	188	528	5.8	1616.5	1616.5	1617.2	0.7
1.747	1.75	233	437	7.0	1619.8	1619.8	1620.4	0.5
1.833	1.83	290	602	5.1	1623.7	1623.7	1624.6	1.0
1.933	1.93	368	644	4.8	1627.8	1627.8	1628.3	0.5
1.989	1.99	336	504	4.5	1630.1	1630.1	1630.9	0.8
2.081	2.08	250	519	4.4	1634.5	1634.5	1635.3	0.8
2.161	2.16	237	461	4.9	1638.4	1638.4	1638.9	0.5
2.246	2.25	267	439	5.2	1642.0	1642.0	1642.9	0.9
2.338	2.34	329	501	4.6	1646.8	1646.8	1647.6	0.8
2.419	2.42	348	532	4.3	1651.3	1651.3	1651.9	0.7
2.507	2.51	485	586	3.9	1656.3	1656.3	1657.2	0.9
2.580	2.58	405	526	4.3	1660.3	1660.3	1661.2	0.9
2.632	2.63	311	501	4.6	1662.5	1662.5	1663.5	1.0
2.694	2.69	221	369	6.2	1665.9	1665.9	1666.5	0.6
2.753	2.75	150	334	6.8	1669.4	1669.4	1670.2	0.7
2.837	2.84	49	357	6.4	1671.1	1671.1	1671.9	0.8
2.860	2.86	47	199	11.5	1673.1	1673.1	1673.2	0.1
2.885	2.89	63	331	6.9	1674.9	1674.9	1675.4	0.5
2.916	2.92	48	203	11.2	1675.7	1675.7	1675.7	0.0
2.934	2.93	108	653	3.5	1678.1	1678.1	1678.5	0.4
2.949	2.95	119	617	3.7	1678.4	1678.4	1678.8	0.4
2.952	2.95	105	621	3.7	1678.5	1678.5	1678.8	0.3

[1]Feet Above Confluence With CAP Canal

TABLE5

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

FLOODWAY DATA

WITTMANN WASH

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
Cross Section	Distance[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
					(FEET NGVD)			
WITTMANN WASH (cont'd)								
2.957	2.96	94	501	4.6	1678.5	1678.5	1678.8	0.3
2.972	2.97	92	559	4.1	1678.8	1678.8	1679.6	0.9
2.987	2.99	127	575	4.0	1679.0	1679.0	1679.8	0.8
3.000	3.00	106	584	3.9	1679.4	1679.4	1680.0	0.6
3.008	3.01	114	654	3.5	1679.6	1679.6	1680.2	0.6
3.034	3.03	92	253	9.0	1680.6	1680.6	1680.8	0.2
3.085	3.09	111	517	4.4	1683.5	1683.5	1684.1	0.6
3.141	3.14	89	281	2.3	1684.7	1684.7	1685.2	0.5
3.198	3.20	77	219	2.9	1685.6	1685.6	1685.8	0.2
3.274	3.27	40	120	5.3	1687.7	1687.7	1687.7	0.0
3.305	3.31	33	110	5.8	1689.3	1689.3	1689.3	0.0
3.321	3.32	309	496	4.3	1690.6	1690.6	1690.7	0.1
3.333	3.33	662	1215	1.8	1692.8	1692.8	1692.8	0.0
3.377	3.38	85	225	9.5	1693.8	1693.8	1693.7	0.0
3.428	3.43	91	447	4.8	1697.1	1697.1	1697.5	0.4
3.516	3.52	179	299	7.1	1701.6	1701.6	1701.7	0.1
3.597	3.60	221	555	3.8	1706.0	1706.0	1706.5	0.5
3.690	3.69	218	369	5.8	1710.3	1710.3	1710.5	0.2
3.773	3.77	146	457	4.7	1714.7	1714.7	1714.8	0.1
3.868	3.87	159	314	6.8	1719.9	1719.9	1720.2	0.3
3.956	3.96	165	370	5.8	1723.8	1723.8	1724.7	0.9
4.048	4.05	235	355	4.9	1727.4	1727.4	1728.4	1.0

[1]Feet Above Confluence With CAP Canal

TABLE5

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

FLOODWAY DATA

WITTMANN WASH

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
Cross Section	Distance[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
					(FEET NGVD)			
WITTMANN WASH (cont'd)								
4.102	4.10	204	350	4.9	1730.5	1730.5	1731.0	0.5
4.190	4.19	120	236	7.3	1734.6	1734.6	1735.5	0.9
4.271	4.27	157	387	4.5	1739.0	1739.0	1739.8	0.8
4.370	4.37	147	246	7.0	1744.1	1744.1	1744.6	0.5
4.455	4.46	166	312	3.2	1748.4	1748.4	1749.3	0.8
4.573	4.57	135	163	6.1	1754.3	1754.3	1754.8	0.5
4.676	4.68	176	259	3.9	1760.7	1760.7	1761.6	0.9
4.738	4.74	111	150	6.7	1764.7	1764.7	1765.5	0.8
4.847	4.85	156	241	2.9	1772.1	1772.1	1772.9	0.8
4.955	4.96	115	125	5.5	1778.5	1778.5	1779.0	0.5
5.006	5.01	153	214	3.2	1782.0	1782.0	1782.2	0.2
5.056	5.06	215	157	4.4	1784.4	1784.4	1784.5	0.2
5.150	5.15	92	163	4.2	1789.9	1789.9	1790.5	0.6
5.254	5.25	90	153	4.5	1795.6	1795.6	1796.2	0.6
5.345	5.35	83	169	3.8	1800.5	1800.5	1801.0	0.4
5.476	5.48	106	134	4.8	1808.6	1808.6	1809.1	0.5
5.587	5.59	77	148	4.3	1815.3	1815.3	1816.1	0.8
5.671	5.67	78	126	5.1	1820.2	1820.2	1820.9	0.7
5.727	5.73	95	162	4.0	1824.0	1824.0	1824.2	0.1
5.774	5.77	99	117	5.5	1826.5	1826.5	1827.4	0.9

[1]Feet Above Confluence With CAP Canal

TABLE5

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

FLOODWAY DATA

WITTMANN WASH

WITTMANN WASH (NORTH SPLIT)

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
Cross Section	Distance[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
					(FEET NGVD)			
WITTMANN WASH (NS)								
3.085	3.09	111	518	4.4	1683.5	1683.5	1684.1	0.6
3.154	3.15	64	199	8.0	1685.2	1685.2	1685.6	0.4
3.226	3.23	124	456	3.5	1687.8	1687.8	1688.7	1.0
3.305	3.31	213	386	4.2	1689.2	1689.2	1690.1	0.9
3.321	3.32	441	597	3.6	1690.1	1690.1	1691.0	0.9
3.333	3.33	662	1214	1.8	1692.8	1692.8	1692.8	0.0
3.377	3.38	85	226	9.4	1693.8	1693.8	1693.8	0.0
3.428	3.43	91	447	4.8	1697.1	1697.1	1697.5	0.4

[1]Feet Above Confluence With CAP Canal

TABLE5

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

FLOODWAY DATA

WITTMANN WASH
(NORTH SPLIT)

WITTMANN WASH (SOUTH SPLIT)

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
Cross Section	Distance[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
					(FEET NGVD)			
WITTMANN WASH (SS)								
0.016	0.02	204	214	2.0	1550.7	1550.7	1550.7	0.0
0.090	0.09	111	85	5.0	1555.9	1555.9	1556.3	0.3
0.169	0.17	72	139	3.0	1559.5	1559.5	1560.2	0.7
0.278	0.28	122	103	4.1	1564.2	1564.2	1564.5	0.3
0.328	0.33	141	205	2.1	1566.1	1566.1	1566.7	0.7
0.415	0.42	224	148	2.9	1570.0	1570.0	1570.2	0.2
0.458	0.46	204	229	1.8	1572.1	1572.1	1572.2	0.1
0.509	0.51	221	157	2.7	1574.0	1574.0	1574.2	0.2
0.593	0.59	121	169	2.5	1577.8	1577.8	1578.5	0.6
0.684	0.68	116	131	3.2	1581.7	1581.7	1582.6	0.9
0.746	0.75	222	246	1.7	1585.5	1585.5	1585.7	0.3
0.807	0.81	440	747	4.1	1588.2	1588.2	1588.9	0.7

[1]Feet Above Confluence With CAP Canal

TABLE5

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

FLOODWAY DATA

WITTMANN WASH
(SOUTH SPLIT)

WITTMANN TRIBUTARY

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
Cross Section	Distance[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
					(FEET NGVD)			
WITTMANN TRIBUTARY								
0.000	0.00	62	111	4.1	1700.0	1700.0	1700.2	0.2
0.066	0.07	65	110	4.2	1703.3	1703.3	1703.5	0.2
0.153	0.15	70	108	4.2	1707.8	1707.8	1707.8	0.1
0.235	0.24	107	92	5.0	1714.2	1714.2	1714.5	0.3
0.306	0.31	160	159	2.9	1718.0	1718.0	1718.8	0.9
0.396	0.40	99	102	4.5	1722.7	1722.7	1723.6	0.9
0.468	0.47	119	132	3.5	1727.1	1727.1	1727.9	0.8
0.554	0.55	82	104	4.4	1731.8	1731.8	1732.3	0.6
0.622	0.62	75	111	4.1	1736.2	1736.2	1736.7	0.6
0.697	0.70	39	80	5.7	1740.2	1740.2	1741.2	0.9
0.789	0.79	53	95	4.8	1746.4	1746.4	1747.1	0.7
0.864	0.86	113	127	3.6	1750.3	1750.3	1750.9	0.6
0.952	0.95	115	115	4.0	1754.3	1754.3	1755.2	0.9
1.047	1.05	214	242	3.3	1759.5	1759.5	1760.4	1.0
1.130	1.13	230	259	3.1	1763.9	1763.9	1764.0	0.1
1.237	1.24	48	78	5.9	1769.4	1769.4	1769.4	0.0
1.330	1.33	107	153	3.0	1774.3	1774.3	1774.9	0.6
1.396	1.40	74	106	4.3	1777.5	1777.5	1777.8	0.3
1.473	1.47	31	72	4.9	1781.9	1781.9	1782.4	0.5
1.578	1.58	24	59	6.0	1788.1	1788.1	1788.3	0.3
1.631	1.63	45	89	3.9	1791.1	1791.1	1791.6	0.5
1.693	1.69	87	96	3.6	1793.9	1793.9	1794.2	0.4

[1]Feet Above Confluence With Wittmann Wash

TABLE5

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

FLOODWAY DATA

WITTMANN TRIBUTARY

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
Cross Section	Distance[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
					(FEET NGVD)			
WITTMANN TRIB (cont'd)								
1.770	1.77	137	101	3.5	1799.0	1799.0	1799.4	0.4
1.851	1.85	205	253	4.0	1802.7	1802.7	1803.3	0.6
1.919	1.92	281	278	3.6	1807.6	1807.6	1808.2	0.7
1.983	1.98	33	65	5.4	1811.5	1811.5	1811.7	0.2
2.064	2.06	107	79	4.4	1816.9	1816.9	1817.1	0.2
2.156	2.16	190	228	4.4	1823.5	1823.5	1823.9	0.5

[1]Feet Above Confluence With Wittmann Wash

TABLE5

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

FLOODWAY DATA

WITTMANN TRIBUTARY

T5N-R3W-S24E

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
Cross Section	Distance[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
					(FEET NGVD)			
WASH T5N-R3W-S24E								
0.000	0.00	207	330	5.0	1620.0	1620.0	1621.0	1.0
0.076	0.08	172	330	5.0	1623.7	1623.7	1624.7	1.0
0.158	0.16	152	313	5.3	1627.5	1627.5	1628.4	0.9
0.258	0.26	170	347	4.8	1631.9	1631.9	1632.9	1.0
0.319	0.32	143	289	5.7	1634.8	1634.8	1635.7	0.9
0.393	0.39	145	330	5.0	1638.1	1638.1	1639.0	0.9
0.472	0.47	106	267	6.2	1641.2	1641.2	1642.1	0.9
0.548	0.55	138	355	4.7	1644.2	1644.2	1645.1	0.9
0.612	0.61	31	306	11.9	1648.1	1648.1	1648.1	0.0
0.658	0.66	31	192	8.8	1650.6	1650.6	1650.6	0.1
0.678	0.68	55	291	5.7	1651.8	1651.8	1651.9	0.0
0.681	0.68	51	295	5.6	1652.1	1652.1	1652.1	0.0
0.725	0.73	112	420	4.0	1652.9	1652.9	1652.9	0.0
0.806	0.81	95	204	8.1	1655.4	1655.4	1655.6	0.2
0.890	0.89	112	259	6.4	1659.5	1659.5	1660.3	0.8
0.972	0.97	82	192	8.6	1663.6	1663.6	1664.5	0.9
1.037	1.04	106	287	5.8	1667.3	1667.3	1668.1	0.8
1.104	1.10	106	214	7.8	1670.1	1670.1	1671.0	0.9
1.213	1.21	108	263	6.3	1676.1	1676.1	1677.1	1.0
1.304	1.30	61	174	9.5	1681.1	1681.1	1681.6	0.5
1.390	1.39	90	232	7.2	1686.3	1686.3	1687.2	0.9
1.462	1.46	87	238	7.0	1690.2	1690.2	1691.0	0.8

[1]Feet Above Confluence With Wittmann Wash

Used to gain convergence with Wittmann Wash

TABLE5

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

FLOODWAY DATA

WASH T5N-R3W-S24E

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
Cross Section	Distance[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
					(FEET NGVD)			
WASH S24E (cont'd)								
1.538	1.54	78	250	6.6	1694.3	1694.3	1695.3	1.0
1.623	1.62	100	282	5.9	1698.7	1698.7	1699.5	0.8
1.638	1.64	101	241	6.9	1699.6	1699.6	1700.3	0.7
1.697	1.70	98	283	5.9	1703.0	1703.0	1704.0	0.9
1.801	1.80	136	284	5.9	1708.6	1708.6	1709.6	1.0
1.906	1.91	161	325	5.1	1715.4	1715.4	1716.1	0.7
1.976	1.98	187	385	4.3	1718.6	1718.6	1719.6	1.0
2.071	2.07	136	103	4.9	1724.9	1724.9	1725.0	0.1
2.164	2.16	96	147	3.5	1730.6	1730.6	1731.2	0.6
2.243	2.24	122	130	3.9	1734.1	1734.1	1735.0	0.8
2.320	2.32	127	167	3.1	1738.5	1738.5	1739.0	0.5
2.404	2.40	135	134	3.8	1742.9	1742.9	1743.3	0.4
2.454	2.45	151	159	3.2	1745.8	1745.8	1746.5	0.8
2.525	2.53	129	137	3.7	1749.9	1749.9	1750.4	0.6
2.617	2.62	159	137	3.7	1754.3	1754.3	1755.2	0.9
2.710	2.71	216	234	3.4	1759.5	1759.5	1760.4	0.9

[1]Feet Above Confluence With Wittmann Wash

TABLE5

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

FLOODWAY DATA

WASH T5N-R3W-S24E

T5N-R2W-S19E

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
Cross Section	Distance[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
					(FEET NGVD)			
WASH T5N-R2W-S19E								
0.013	0.01	71	297	8.0	1601.7	1601.7	1602.3	0.6
0.075	0.08	72	501	4.8	1604.0	1604.0	1604.4	0.4
0.150	0.15	87	507	4.7	1604.8	1604.8	1605.3	0.5
0.210	0.21	46	200	11.9	1608.7	1608.7	1609.0	0.3
0.240	0.24	103	597	4.0	1610.9	1610.9	1611.9	1.0
0.302	0.30	48	160	10.4	1613.8	1613.8	1613.7	0.0
0.394	0.39	91	336	4.9	1618.7	1618.7	1619.1	0.3
0.503	0.50	156	253	6.6	1622.6	1622.6	1623.5	0.9
0.586	0.59	219	413	4.0	1626.7	1626.7	1627.7	1.0
0.695	0.70	242	363	4.6	1631.0	1631.0	1631.7	0.7
0.778	0.78	260	384	4.3	1634.6	1634.6	1635.6	1.0
0.855	0.86	190	347	4.8	1638.3	1638.3	1639.3	1.0
0.954	0.95	184	397	4.2	1642.5	1642.5	1643.5	1.0
1.042	1.04	160	313	5.3	1646.6	1646.6	1647.3	0.7
1.147	1.15	243	381	4.4	1651.4	1651.4	1652.4	1.0
1.244	1.24	284	352	4.7	1655.6	1655.6	1656.6	1.0
1.330	1.33	490	507	3.3	1659.2	1659.2	1660.2	1.0
1.421	1.42	110	196	7.6	1664.9	1664.9	1665.8	0.9
1.497	1.50	86	276	5.4	1668.8	1668.8	1669.5	0.7
1.560	1.56	67	167	8.9	1672.2	1672.2	1672.5	0.3
1.653	1.65	143	316	4.7	1676.5	1676.5	1677.4	0.9
1.741	1.74	75	233	6.4	1679.7	1679.7	1679.8	0.1

[1]Feet Above Confluence With US 60

TABLE5

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

FLOODWAY DATA

WASH T5N-R2W-S19E

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
Cross Section	Distance[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
					(FEET NGVD)			
WASH S19E (cont'd)								
1.859	1.86	30	65	4.1	1683.7	1683.7	1684.1	0.4
1.981	1.98	32	41	6.5	1689.7	1689.7	1689.7	0.0
2.054	2.05	41	66	4.1	1694.4	1694.4	1694.4	0.0

[1]Feet Above Confluence With US 60

TABLE5

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

FLOODWAY DATA

WASH T5N-R2W-S19E

T5N-R2W-S19W

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
Cross Section	Distance[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
					(FEET NGVD)			
WASH T5N-R2W-S19W								
0.000	0.00	47	247	11.3	1623.8	1623.8	1623.8	0.0
0.086	0.09	59	374	7.5	1628.4	1628.4	1628.4	0.0
0.164	0.16	64	283	9.9	1630.3	1630.3	1630.3	0.0
0.244	0.24	112	302	9.2	1636.3	1636.3	1637.3	1.0
0.332	0.33	366	578	4.8	1643.0	1643.0	1643.7	0.8
0.408	0.41	358	512	5.5	1646.1	1646.1	1647.1	1.0
0.497	0.50	480	805	5.3	1650.8	1650.8	1651.8	1.0
0.589	0.59	440	844	5.0	1654.9	1654.9	1655.7	0.8
0.662	0.66	437	844	5.0	1658.2	1658.2	1658.9	0.7
0.764	0.76	478	891	4.8	1662.5	1662.5	1663.5	1.0
0.846	0.85	334	606	7.0	1666.8	1666.8	1667.7	0.9
0.923	0.92	355	875	4.9	1671.0	1671.0	1672.0	1.0
1.004	1.00	371	757	5.6	1674.5	1674.5	1675.3	0.9
1.079	1.08	456	795	5.3	1678.0	1678.0	1679.0	1.0
1.135	1.14	382	607	7.0	1680.7	1680.7	1681.7	1.0
1.225	1.23	508	1072	5.2	1684.8	1684.8	1685.8	1.0
1.315	1.32	450	884	6.4	1688.3	1688.3	1689.3	1.0
1.398	1.40	355	861	6.5	1692.3	1692.3	1693.2	0.9
1.474	1.47	311	1547	3.6	1693.4	1693.4	1694.3	1.0
1.538	1.54	227	613	9.2	1697.6	1697.6	1698.3	0.6
1.607	1.61	217	525	5.2	1701.4	1701.4	1702.1	0.8
1.632	1.63	134	324	8.5	1702.5	1702.5	1703.1	0.6

used to gain convergence in model

[1]Feet Above Confluence With US 60

TABLE5

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

FLOODWAY DATA

WASH T5N-R2W-S19W

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
Cross Section	Distance[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
					(FEET NGVD)			
WASH S19W (cont'd)								
1.704	1.70	148	355	7.7	1706.8	1706.8	1707.3	0.5
1.787	1.79	186	473	5.8	1709.7	1709.7	1710.4	0.8
1.866	1.87	216	465	5.9	1712.9	1712.9	1713.6	0.7
1.902	1.90	179	465	5.9	1714.4	1714.4	1715.4	1.0
1.990	1.99	182	389	7.0	1718.9	1718.9	1719.5	0.7
2.124	2.12	252	604	3.9	1724.3	1724.3	1725.2	0.9
2.187	2.19	156	167	4.8	1727.5	1727.5	1727.7	0.3
2.265	2.27	131	163	4.9	1731.2	1731.2	1731.8	0.6
2.299	2.30	117	143	5.6	1733.5	1733.5	1734.1	0.6
2.343	2.34	81	148	5.4	1736.4	1736.4	1737.1	0.8
2.398	2.40	47	101	7.9	1740.1	1740.1	1740.9	0.7
2.493	2.49	42	130	6.1	1745.9	1745.9	1746.8	0.8
2.575	2.58	55	131	6.1	1750.0	1750.0	1750.5	0.5
2.640	2.64	68	148	5.4	1753.8	1753.8	1753.8	0.1
2.725	2.73	65	128	6.3	1758.1	1758.1	1758.3	0.2
2.789	2.79	69	139	5.8	1762.3	1762.3	1762.3	0.0
2.859	2.86	55	128	6.3	1765.8	1765.8	1766.2	0.4
2.953	2.95	64	146	5.5	1771.1	1771.1	1771.4	0.2
3.037	3.04	45	115	7.0	1775.8	1775.8	1776.1	0.3
3.130	3.13	42	124	6.5	1781.5	1781.5	1782.2	0.7
3.221	3.22	58	151	5.3	1786.2	1786.2	1786.8	0.6
3.265	3.27	40	93	8.6	1789.2	1789.2	1789.3	0.1

[1]Feet Above Confluence With US 60

TABLE5

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

FLOODWAY DATA

WASH T5N-R2W-S19W

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
Cross Section	Distance[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
					(FEET NGVD)			
WASH S19W (cont'd)								
3.318	3.32	53	155	5.2	1792.8	1792.8	1793.3	0.4
3.369	3.37	38	91	8.8	1795.8	1795.8	1795.9	0.1
3.397	3.40	29	115	7.0	1797.7	1797.7	1798.3	0.7
3.483	3.48	56	143	5.6	1801.7	1801.7	1802.4	0.7
3.576	3.58	72	118	6.8	1808.7	1808.7	1808.6	0.0
3.678	3.68	47	104	7.7	1816.5	1816.5	1817.0	0.5
3.763	3.76	127	205	3.9	1823.0	1823.0	1823.2	0.2

[1]Feet Above Confluence With US 60

TABLE5

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

FLOODWAY DATA

WASH T5N-R2W-S19W

T5N-R3W-S01S

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
Cross Section	Distance[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
					(FEET NGVD)			
WASH T5N-R3W-S01S								
0.194	0.19	469	533	4.2	1778.6	1778.6	1779.4	0.8
0.268	0.27	389	479	4.7	1783.2	1783.2	1783.8	0.6
0.344	0.34	268	398	5.6	1787.6	1787.6	1787.9	0.3
0.371	0.37	245	398	5.6	1789.2	1789.2	1789.6	0.3
0.437	0.44	229	347	6.5	1792.8	1792.8	1793.0	0.2
0.530	0.53	100	275	8.1	1796.3	1796.3	1797.1	0.8
0.540	0.54	118	327	6.9	1799.8	1799.8	1800.2	0.4
0.610	0.61	166	324	6.9	1802.9	1802.9	1803.8	0.9
0.620	0.62	134	301	7.4	1805.9	1805.9	1806.5	0.6
0.721	0.72	125	341	6.6	1809.8	1809.8	1810.5	0.8
0.817	0.82	144	342	6.6	1815.1	1815.1	1815.9	0.8
0.881	0.88	185	403	5.6	1819.0	1819.0	1819.6	0.6
0.934	0.93	223	342	6.6	1821.5	1821.5	1822.5	1.0

[1]Feet Above Confluence With Wash T5N-R2W-S07

TABLE5

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

FLOODWAY DATA

WASH T5N-R3W-S01S

T5N-R2W-S07

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
Cross Section	Distance[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
					(FEET NGVD)			
WASH T5N-R2W-S07								
0.048	0.05	139	272	5.1	1724.0	1724.0	1724.6	0.6
0.094	0.09	158	288	4.8	1726.8	1726.8	1727.5	0.7
0.166	0.17	235	359	3.9	1730.6	1730.6	1731.5	0.8
0.235	0.24	416	580	4.7	1734.4	1734.4	1735.4	1.0
0.305	0.31	297	576	4.7	1738.9	1738.9	1739.5	0.6
0.390	0.39	355	569	4.8	1743.7	1743.7	1743.9	0.3
0.474	0.47	262	488	5.5	1747.9	1747.9	1748.2	0.3
0.588	0.59	329	507	5.3	1754.3	1754.3	1755.1	0.9
0.682	0.68	447	578	4.7	1759.5	1759.5	1760.3	0.8
0.779	0.78	963	930	3.3	1763.9	1763.9	1764.8	0.9
0.875	0.88	623	617	4.3	1769.4	1769.4	1769.9	0.5
0.961	0.96	658	742	3.6	1774.4	1774.4	1774.9	0.5
1.045	1.05	532	628	4.3	1778.7	1778.7	1779.6	0.9
1.124	1.12	401	619	4.3	1783.5	1783.5	1784.1	0.6
1.205	1.21	135	177	3.7	1787.6	1787.6	1788.1	0.5
1.235	1.24	113	146	4.5	1789.4	1789.4	1789.7	0.3
1.310	1.31	92	172	3.8	1793.1	1793.1	1793.6	0.5
1.403	1.40	150	158	4.2	1797.9	1797.9	1798.2	0.2
1.430	1.43	203	225	2.9	1799.2	1799.2	1799.8	0.6
1.486	1.49	205	231	4.4	1802.5	1802.5	1803.1	0.7
1.570	1.57	282	307	3.3	1807.8	1807.8	1808.3	0.6
1.647	1.65	146	154	4.3	1811.4	1811.4	1812.1	0.7

[1]Feet Above Confluence With Wash T5N-R2W-S19W

TABLE5

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

FLOODWAY DATA

WASH T5N-R2W-S07

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
Cross Section	Distance[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
					(FEET NGVD)			
WASH S07 (cont'd)								
1.736	1.74	125	162	4.1	1817.0	1817.0	1817.6	0.6
1.820	1.82	194	220	4.6	1823.4	1823.4	1823.9	0.5

[1]Feet Above Confluence With Wash T5N-R2W-S19W

TABLE5

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

FLOODWAY DATA

WASH T5N-R2W-S07

2 EAST (NORTH OF CAP)

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
Cross Section	Distance[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
					(FEET NGVD)			
WASH 2 EAST								
1.338	1.34	132	243	6.0	1607.6	1607.6	1608.6	1.0
1.417	1.42	73	207	7.0	1612.6	1612.6	1613.1	0.5
1.478	1.48	92	230	6.3	1616.3	1616.3	1616.6	0.3
1.559	1.56	132	264	5.5	1620.2	1620.2	1620.8	0.7
1.651	1.65	80	205	7.1	1625.1	1625.1	1626.1	0.9
1.742	1.74	153	294	4.9	1630.9	1630.9	1631.2	0.4
1.831	1.83	150	219	6.6	1636.0	1636.0	1636.5	0.5
1.907	1.91	133	281	5.2	1640.3	1640.3	1640.9	0.6
1.991	1.99	112	210	6.9	1644.9	1644.9	1645.5	0.6
2.077	2.08	150	268	5.4	1649.8	1649.8	1650.2	0.4
2.120	2.12	174	246	5.9	1652.2	1652.2	1652.5	0.3
2.196	2.20	173	239	3.7	1655.7	1655.7	1656.6	1.0
2.276	2.28	94	125	7.1	1660.5	1660.5	1660.7	0.2
2.347	2.35	76	166	5.4	1664.8	1664.8	1665.7	0.9
2.412	2.41	116	168	5.3	1668.4	1668.4	1668.9	0.5
2.501	2.50	93	166	5.4	1673.7	1673.7	1674.1	0.4
2.542	2.54	207	218	4.1	1676.1	1676.1	1676.3	0.2
2.571	2.57	221	220	4.0	1677.6	1677.6	1677.7	0.2
2.598	2.60	265	259	3.4	1678.9	1678.9	1679.0	0.1

[1]Feet Above Confluence With CAP Canal

TABLE5

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

FLOODWAY DATA

WASH 2 EAST

2 EAST TRIBUTARY

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
Cross Section	Distance[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
					(FEET NGVD)			
WASH 2 EAST TRIBUTARY								
0.392	0.39	147	329	6.5	1606.2	1606.2	1607.2	1.0
0.45	0.45	102	334	6.4	1609.1	1609.1	1610.0	0.9
0.537	0.54	161	400	5.4	1613.0	1613.0	1613.5	0.5
0.599	0.60	75	220	9.8	1616.3	1616.3	1616.3	0.0
0.681	0.68	143	407	5.3	1620.4	1620.4	1621.4	1.0
0.762	0.76	111	255	8.4	1624.5	1624.5	1624.7	0.1
0.844	0.84	108	328	6.6	1628.6	1628.6	1629.5	0.9
0.92	0.92	63	216	10.0	1632.5	1632.5	1633.1	0.6
1	1.00	97	348	6.2	1636.4	1636.4	1637.3	0.9
1.078	1.08	51	199	10.8	1640.8	1640.8	1641.3	0.5
1.147	1.15	104	466	4.6	1644.1	1644.1	1645.0	0.9
1.233	1.23	61	210	10.3	1648.0	1648.0	1648.4	0.5
1.317	1.32	93	390	5.5	1652.5	1652.5	1653.2	0.6
1.416	1.42	79	231	9.3	1657.7	1657.7	1657.7	0.0
1.496	1.50	75	327	6.6	1662.1	1662.1	1662.4	0.3
1.578	1.58	110	259	8.3	1665.6	1665.6	1666.3	0.6
1.646	1.65	113	314	6.9	1670.4	1670.4	1670.7	0.3
1.698	1.70	140	282	7.6	1673.2	1673.2	1673.2	0.1
1.753	1.75	140	460	4.7	1675.0	1675.0	1675.8	0.9

[1]Feet Above Confluence With Wash 2 East

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

FLOODWAY DATA

WASH 2 EAST TRIBUTARY

7 EAST

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
Cross Section	Distance[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
					(FEET NGVD)			
WASH 7 EAST								
0.127	0.13	977	3075	1.3	1555.2	1555.2	1555.2	0.0
0.200	0.20	365	574	6.8	1556.3	1556.3	1557.0	0.8
0.287	0.29	341	857	4.6	1560.8	1560.8	1561.8	1.0
0.385	0.39	352	592	6.6	1565.2	1565.2	1565.7	0.5
0.467	0.47	433	947	4.2	1569.4	1569.4	1569.8	0.4
0.561	0.56	418	604	6.5	1573.4	1573.4	1573.7	0.3
0.637	0.64	245	677	5.8	1577.6	1577.6	1577.9	0.4
0.724	0.72	144	430	9.1	1581.6	1581.6	1582.0	0.4
0.811	0.81	220	717	5.5	1586.0	1586.0	1586.8	0.8

In zone AH ponding area

[1]Feet Above Confluence With CAP Canal

TABLE5

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

FLOODWAY DATA

WASH 7 EAST

7 EAST TRIBUTARY

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
Cross Section	Distance[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
					(FEET NGVD)			
WASH 7 EAST TRIBUTARY								
0.043	0.04	120	151	3.4	1548.7	1548.7	1549.1	0.3
0.099	0.10	78	110	4.6	1550.9	1550.9	1551.1	0.2
0.145	0.15	72	101	5.0	1553.4	1553.4	1553.4	0.0
0.198	0.20	43	102	5.0	1555.5	1555.5	1555.7	0.1
0.291	0.29	34	78	6.6	1559.8	1559.8	1560.0	0.1
0.347	0.35	32	77	6.6	1563.1	1563.1	1563.7	0.6
0.418	0.42	43	105	4.9	1566.8	1566.8	1567.5	0.6
0.488	0.49	41	87	5.8	1570.1	1570.1	1570.5	0.4
0.567	0.57	36	87	5.9	1574.2	1574.2	1575.0	0.8
0.666	0.67	50	110	4.7	1578.8	1578.8	1579.6	0.8
0.722	0.72	40	84	6.1	1581.7	1581.7	1582.1	0.4
0.778	0.78	40	108	4.7	1584.1	1584.1	1584.8	0.7
0.857	0.86	58	106	4.8	1587.6	1587.6	1587.8	0.2
0.940	0.94	36	94	5.5	1591.5	1591.5	1591.5	0.1
1.031	1.03	47	89	5.7	1596.1	1596.1	1596.5	0.3
1.105	1.11	56	104	4.9	1600.7	1600.7	1601.1	0.4
1.187	1.19	35	83	6.2	1605.0	1605.0	1605.5	0.4
1.271	1.27	44	102	5.0	1609.4	1609.4	1609.5	0.1
1.323	1.32	32	48	2.9	1611.5	1611.5	1611.5	0.0
1.383	1.38	37	31	4.6	1614.0	1614.0	1614.0	0.0
1.451	1.45	33	47	3.0	1617.4	1617.4	1617.5	0.0
1.518	1.52	26	29	4.9	1620.5	1620.5	1620.5	0.0

[1]Feet Above Confluence With CAP Canal

Located in existing zone AH

TABLE5

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

FLOODWAY DATA

WASH 7 EAST TRIBUTARY

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
Cross Section	Distance[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
					(FEET NGVD)			
WASH 7 EAST TRIB (cont'd)								
1.596	1.60	26	38	3.6	1625.2	1625.2	1625.3	0.0
1.686	1.69	45	41	3.4	1629.3	1629.3	1629.4	0.1
1.776	1.78	29	37	3.8	1634.1	1634.1	1634.1	0.0
1.848	1.85	50	43	3.3	1638.0	1638.0	1638.0	0.0

[1]Feet Above Confluence With CAP Canal

TABLE5

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

FLOODWAY DATA

WASH 7 EAST TRIBUTARY

IONA EAST (SOUTH OF CAP CANAL)

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
Cross Section	Distance[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
					(FEET NGVD)			
IONA EAST								
0.741	0.74	610	1216	4.6	1461.8	1461.8	1462.2	0.4
0.808	0.81	600	1264	4.4	1464.0	1464.0	1464.5	0.5
0.855	0.86	489	1254	4.4	1465.8	1465.8	1466.2	0.4
0.983	0.98	491	1271	4.4	1469.6	1469.6	1470.1	0.5
1.062	1.06	501	1289	4.3	1471.5	1471.5	1471.9	0.5
1.146	1.15	369	811	6.8	1473.6	1473.6	1474.1	0.5
1.215	1.22	429	1157	4.8	1475.7	1475.7	1476.7	1.0
1.294	1.29	570	1422	3.9	1477.8	1477.8	1478.2	0.4
1.371	1.37	507	1068	5.2	1479.7	1479.7	1479.9	0.2
1.438	1.44	480	1152	4.8	1481.5	1481.5	1482.0	0.6
1.497	1.50	446	1027	5.4	1483.4	1483.4	1483.7	0.3
1.567	1.57	441	1225	4.5	1485.7	1485.7	1485.9	0.2
1.664	1.66	377	1023	5.4	1488.1	1488.1	1488.6	0.5
1.730	1.73	472	1340	4.1	1490.0	1490.0	1490.6	0.6
1.775	1.78	502	1231	4.5	1491.4	1491.4	1491.6	0.2
1.845	1.85	485	1271	4.3	1492.9	1492.9	1493.3	0.4
1.899	1.90	399	1031	5.3	1494.3	1494.3	1494.8	0.6
1.986	1.99	454	1060	5.2	1497.2	1497.2	1497.9	0.8
2.050	2.05	420	1088	5.0	1499.1	1499.1	1499.8	0.7
2.106	2.11	538	1505	3.6	1500.1	1500.1	1500.9	0.7
2.189	2.19	515	808	6.8	1502.0	1502.0	1502.5	0.6
2.244	2.24	548	1253	4.4	1504.4	1504.4	1505.3	1.0

[1]Feet Above Confluence With Trilby Wash

TABLE5

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

FLOODWAY DATA

IONA EAST

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
Cross Section	Distance[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
					(FEET NGVD)			
IONA EAST (cont'd)								
2.317	2.32	520	1026	5.3	1506.0	1506.0	1507.0	1.0
2.385	2.39	432	1074	5.1	1509.0	1509.0	1509.5	0.5
2.471	2.47	388	1167	4.7	1510.8	1510.8	1511.5	0.6
2.566	2.57	514	1105	4.9	1512.9	1512.9	1513.5	0.5
2.625	2.63	657	1070	5.0	1514.1	1514.1	1514.9	0.8
2.699	2.70	831	1485	3.6	1515.9	1515.9	1516.9	1.0
2.761	2.76	693	1031	5.2	1518.2	1518.2	1518.8	0.6
2.814	2.81	533	1210	4.5	1520.1	1520.1	1520.8	0.6
2.860	2.86	503	915	5.9	1521.3	1521.3	1521.9	0.7
2.932	2.93	1289	2270	3.2	1523.0	1523.0	1523.9	0.9
3.001	3.00	1235	1445	5.0	1524.6	1524.6	1525.2	0.6
3.049	3.05	1236	1958	3.7	1526.0	1526.0	1526.9	1.0
3.108	3.11	920	1300	5.5	1527.6	1527.6	1528.6	1.0
3.169	3.17	607	1431	5.0	1529.9	1529.9	1530.7	0.8
3.242	3.24	458	1012	7.1	1532.3	1532.3	1532.8	0.5
3.320	3.32	353	1125	6.4	1534.9	1534.9	1535.6	0.7
3.389	3.39	239	905	7.9	1536.7	1536.7	1537.4	0.7
3.476	3.48	167	871	8.2	1539.0	1539.0	1539.9	0.9
3.554	3.55	270	1261	5.7	1541.1	1541.1	1541.9	0.8
3.615	3.62	256	1193	6.0	1542.1	1542.1	1542.7	0.6
3.654	3.65	250	1244	5.8	1542.5	1542.5	1543.3	0.9
3.683	3.68	50	432	16.6	1544.6	1544.6	1544.6	0.0

[1]Feet Above Confluence With Trilby Wash

TABLE5

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

FLOODWAY DATA

IONA EAST

IONA WEST (SOUTH OF CAP CANAL)

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
Cross Section	Distance[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
					(FEET NGVD)			
IONA WEST								
0.139	0.14	275	684	3.1	1446.5	1446.5	1447.4	0.9
0.289	0.29	326	650	3.2	1449.9	1449.9	1450.8	0.9
0.378	0.38	289	705	3.0	1452.1	1452.1	1452.8	0.7
0.447	0.45	353	747	2.8	1453.5	1453.5	1454.0	0.5
0.521	0.52	329	523	4.0	1455.7	1455.7	1456.1	0.4
0.572	0.57	333	699	3.0	1457.3	1457.3	1457.9	0.6
0.651	0.65	350	692	3.0	1459.2	1459.2	1459.6	0.5
0.722	0.72	427	808	2.6	1461.0	1461.0	1461.6	0.6
0.815	0.82	506	1060	2.0	1462.6	1462.6	1463.6	1.0
0.879	0.88	474	1024	2.1	1464.1	1464.1	1464.8	0.7
0.936	0.94	390	777	2.7	1465.7	1465.7	1466.2	0.5
0.980	0.98	355	934	2.3	1466.5	1466.5	1467.3	0.8
1.022	1.02	325	806	2.6	1467.3	1467.3	1468.2	0.9
1.097	1.10	261	559	3.8	1469.4	1469.4	1470.2	0.9
1.156	1.16	285	594	3.5	1470.8	1470.8	1471.7	0.9
1.237	1.24	174	465	4.5	1472.2	1472.2	1473.0	0.9
1.291	1.29	97	287	7.3	1473.3	1473.3	1474.1	0.8
1.348	1.35	136	419	5.0	1475.2	1475.2	1476.1	0.9
1.440	1.44	95	300	7.0	1477.6	1477.6	1478.2	0.7
1.504	1.50	107	386	5.4	1479.3	1479.3	1480.2	0.9
1.549	1.55	138	585	4.4	1480.1	1480.1	1481.1	1.0
1.582	1.58	122	485	8.2	1483.8	1483.8	1484.1	0.3

[1]Feet Above Confluence With Trilby Wash

Cut into existing Zone AE. See existing Iona wash model

TABLE5

FEDERAL EMERGENCY MANAGEMENT AGENCY

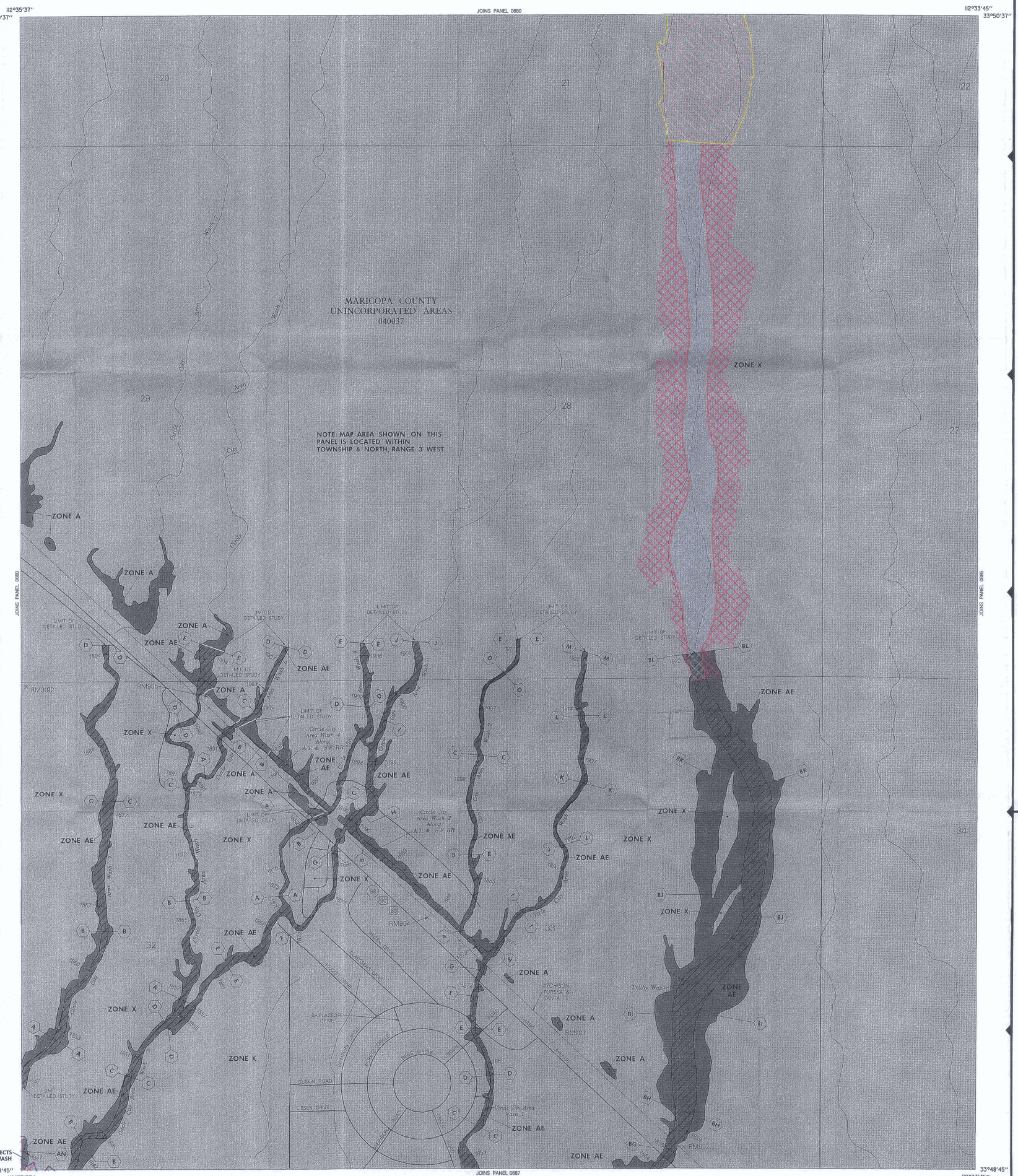
MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

FLOODWAY DATA

IONA WEST

ELEVATION REFERENCE MARKS

REFERENCE MARK	ELEVATION (FEET NGVD)	DESCRIPTION OF LOCATION
RM902	1865.54	3.7 miles southeast along the Atchison, Topeka and Santa Fe Railroad from Hot Springs Junction, 0.2 mile southeast of mile post 154, near Big Chief store, at culvert B 155, and in the top of the southwest concrete headwall, a standard disk stamped F 24 1933.
RM903	1873.20	3.6 miles southeast along the Atchison, Topeka and Santa Fe Railroad from Hot Springs Junction, northwest of mile post 155, at culvert A 155, and in the top of the northeast concrete headwall, a standard monel-metal rivet.
RM904	1882.86	3.4 miles southeast along the Atchison, Topeka and Santa Fe Railroad from Hot Springs Junction, 0.2 mile northwest of mile post 154, 0.2 mile northwest of Big Chief store, between the highway and the railroad, and 50 feet southwest of the centerline of the track, a U.S. Geological Survey standard cap stamped 1,883 PHNX and riveted on the top of a 3.5-inch iron pipe.
RM905	1903.98	2.7 miles southeast along the Atchison, Topeka and Santa Fe Railroad from Hot Springs Junction, northwest of mile post 154, at culvert A 154, and in the top of the northeast concrete headwall, a standard monel-metal rivet.
RM3192	1902.43	Top of GLO brass cap marked , S29. S32



LEGEND

To obtain more detailed information in areas where Base Flood Elevations (BFEs)and /or floodways have been determined, users are encouraged to consult the Flood Profiles and Floodway Data tables contained within the Flood Insurance Study (FIS) report that accompanies this FIRM. Users should be aware that BFEs shown on the FIRM represent rounded whole-foot elevations and therefore may not exactly reflect the flood elevation data presented in the FIS. BFEs shown on the FIRM are intended for flood insurance rating purposes only and should not be used as the sole source of flood elevation information. Accordingly, flood elevation data presented in the FIS should be utilized in conjunction with the FIRM for purposes of construction and /or floodplain management.

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LEGEND

SPECIAL FLOOD HAZARD AREAS INUNDATED BY 100-YEAR FLOOD

ZONE A No base flood elevations determined.

ZONE AE Base flood elevations determined.

ZONE AH Flood depths of 1 to 3 feet (usually areas of ponding); base flood elevations determined.

ZONE AO Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.

ZONE A99 To be protected from 100-year flood by Federal flood protection system under construction ; no base flood elevations determined.

ZONE V Coastal flood with velocity hazard (wave action); no base flood elevations determined.

ZONE VE Coastal flood with velocity hazard (wave action); base flood elevations determined.

FLOODWAY AREAS IN ZONE AE

OTHER FLOOD AREAS

ZONE X Areas of 500-year flood; areas of 100-year flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 100-year flood.

OTHER AREAS

ZONE X Areas determined to be outside 500-year floodplain.

ZONE D Areas in which flood hazards are undetermined.

UNDEVELOPED COASTAL BARRIERS

Identified 1983 | Identified 1990 | Otherwise Protected Areas

Coastal barrier areas are normally located within or adjacent to Special Flood Hazard Areas.

Floodplain Boundary

Floodway Boundary

Zone D Boundary

Boundary Dividing Special Flood Hazard Zones, and Boundary Dividing Areas of Different Coastal Base Flood Elevations Within Special Flood Hazard Zones.

513 — Base Flood Elevation Line; Elevation in Feet. See Map Index for Elevation Datum.

D — D — Cross Section Line

(EL 987) — Base Flood Elevation in Feet Where Uniform Within Zone. See Map Index for Elevation Datum.

RM7 — Elevation Reference Mark

M2 — River Mile

97°07'30", 32°22'30" — Horizontal Coordinates Based on North American Datum of 1927 (NAD 27) Projection.

NOTES

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Areas of Special Flood Hazard (100-year flood) include Zones A, AE, A1-A30, AH, AO, A99, V, VE and V1-V30.

Certain areas not in Special Flood Hazard Areas may be protected by flood control structures.

Boundaries of the floodways were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the Federal Emergency Management Agency.

Floodway widths in some areas may be too narrow to show to scale. Refer to Floodway Data Table where floodway width is shown at 120 inch.

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For adjoining map panels and base map source see separately printed Map Index.

MAP REPOSITORY
Refer to Repository Listing on Map Index

EFFECTIVE DATE OF
COUNTYWIDE FLOOD INSURANCE RATE MAP:
APRIL 15, 1988

EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL:
SEPTEMBER 4, 1991 DECEMBER 3, 1993

Map revised July 19, 2001 to update corporate limits, to change base flood elevations, to add base flood elevations, to add Special Flood Hazard Areas, to change Special Flood Hazard Areas, to change zone designations, to update map format, to add roads and road names, and to incorporate previously issued Letters of Map Revision.

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APPROXIMATE SCALE IN FEET
500 0 500

MAP ROOM 0679G

NATIONAL FLOOD INSURANCE PROGRAM

FIRM
FLOOD INSURANCE RATE MAP

MARICOPA COUNTY, ARIZONA AND INCORPORATED AREAS

PANEL 679 OF 4350
(SEE MAP INDEX FOR PANELS NOT PRINTED)

CONTAINS: COMMUNITY	NUMBER	PANEL	SUFFIX
MARICOPA COUNTY: UNINCORPORATED AREAS	040037	0679	G

MAP NUMBER
04013C0679 G

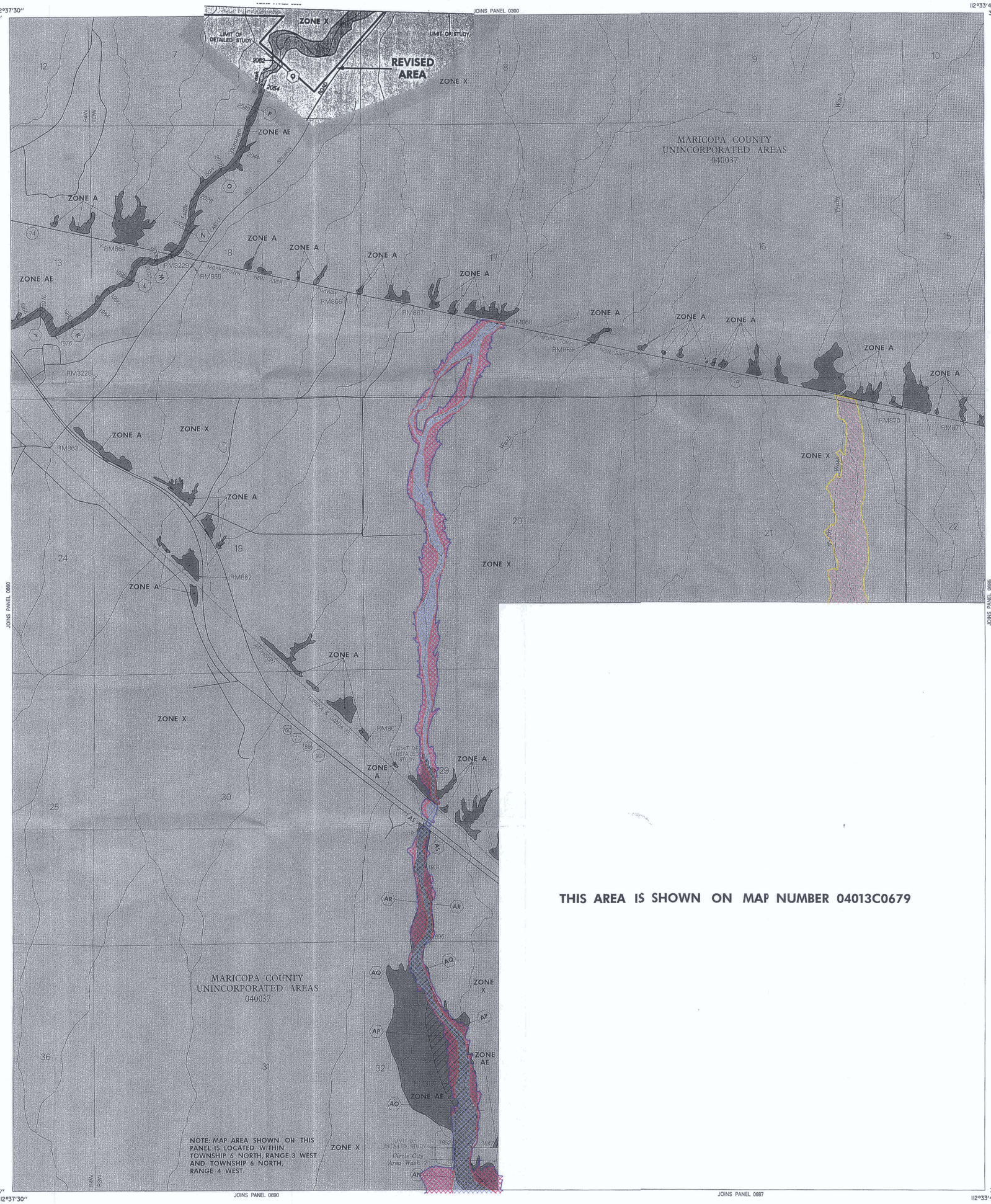
MAP REVISED:
JULY 19, 2001

Federal Emergency Management Agency

Dated 10-15-01

ELEVATION REFERENCE MARKS

REFERENCE MARK	ELEVATION (FEET NGVD)	DESCRIPTION OF LOCATION
RM861	1942.41	1.7 miles southeast along the Atchison, Topeka and Santa Fe Railroad from Hot Springs Junction, northwest of mile post 153, at culvert A 153, and in the top of the northeast concrete headwall, a standard monel-metal rivet.
RM862	1961.38	0.8 mile southeast along the Atchison, Topeka and Santa Fe Railroad from Hot Springs Junction, at a concrete highway overpass, in the top of the west wing of the north abutment, and 3 feet higher than the track, a standard disk stamped G 24 1933.
RM863	1970.68	U.S. Geological Survey brass cap in 3.5-inch iron pipe 250 feet northwest of the Atchison, Topeka and Santa Fe Railroad station, 60 feet northeast of the centerline of the track and 30 feet northeast of the centerline of Gates Road at Morristown, marked 1,971 Phoenix.
RM864	2029.11	B.M. -inch iron pin in concrete 100 feet right station 48 + 14.
RM865	2023.35	Brass cap 100 feet right on east edge at cattle guard station 65 + 73.
RM866	2034.59	Brass cap 100 feet right station 96 + 22.
RM867	2036.78	Brass cap top of headwall right station 107 + 60.
RM868	2041.65	Brass cap top of headwall right station 126 + 76.
RM869	2060.56	Brass cap top of headwall right station 144 + 50.
RM870	2071.13	Brass cap top of headwall right station 201 + 30.
RM871	2059.07	Brass cap top of headwall right station 219 + 50.
RM3191	1862.43	Top of 1-+-inch aluminum cap marked Iona Wash FS ERM x16 of the Iona Wash road crossing, 0.5 + mile north of township line.
RM3228	1988.68	3-inch aluminum cap marked MCFC ERM-20PE, 0.15 foot above grade 300 feet west of Castle Hot Springs Road and 300 feet north of Rockaway Hills Road, just south of Morristown Cemetery. N 1039627.732, E 4864410.803.
RM3229	2014.85	Brass cap stamped ADOT, Elev. 2014.78, Sta. 66+00, 1964. Located in center of headwall south of State Route 74, approximately 500 feet q west of the intersection of State Route 74 and Castle Hot Springs Road (Wash S).



THIS AREA IS SHOWN ON MAP NUMBER 04013C0679

LEGEND

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LEGEND

SPECIAL FLOOD HAZARD AREAS INUNDATED BY 100-YEAR FLOOD

- **ZONE A** No base flood elevations determined.
- **ZONE AE** Base flood elevations determined.
- **ZONE AH** Flood depths of 1 to 3 feet (usually areas of ponding); base flood elevations determined.
- **ZONE AO** Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.
- **ZONE A99** To be protected from 100-year flood by Federal flood protection system under construction ; no base flood elevations determined.
- **ZONE V** Coastal flood with velocity hazard (wave action); no base flood elevations determined.
- **ZONE VE** Coastal flood with velocity hazard (wave action); base flood elevations determined.

FLOODWAY AREAS IN ZONE AE

OTHER FLOOD AREAS

- **ZONE X** Areas of 500-year flood; areas of 100-year flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 100-year flood.

OTHER AREAS

- **ZONE X** Areas determined to be outside 500-year floodplain.
- **ZONE D** Areas in which flood hazards are undetermined.

UNDEVELOPED COASTAL BARRIERS

Identified 1983 | Identified 1990 | Otherwise Protected Areas

Coastal barrier areas are normally located within or adjacent to Special Flood Hazard Areas.

Floodplain Boundary

Floodway Boundary

Zone D Boundary

Boundary Dividing Special Flood Hazard Zones, and Boundary Dividing Areas of Different Coastal Base Flood Elevations Within Special Flood Hazard Zones.

~~~513~~~ Base Flood Elevation Line; Elevation in Feet. See Map Index for Elevation Datum.

D —— D Cross Section Line

(EL 987) Base Flood Elevation in Feet Where Uniform Within Zone. See Map Index for Elevation Datum.

RM7 × Elevation Reference Mark

• M2 River Mile

97°07'30", 32°22'30" Horizontal Coordinates Based on North American Datum of 1927 (NAD 27) Projection.

NOTES

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For community map revision history prior to countywide mapping, see Section 6.0 of the Flood Insurance Study Report.

For adjoining map panels and base map source see separately printed Map Index.

MAP REPOSITORY
Refer to Repository Listing on Map Index

EFFECTIVE DATE OF
COUNTYWIDE FLOOD INSURANCE RATE MAP:
APRIL 15, 1988

EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL:
SEPTEMBER 4, 1991

Map revised July 19, 2001 to update corporate limits, to change base flood elevations, to add base flood elevations, to add Special Flood Hazard Areas, to change Special Flood Hazard Areas, to change zone designations, to update map format, to add roads and road names, and to incorporate previously issued Letters of Map Revision.

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APPROXIMATE SCALE IN FEET
1000 0 1000

MAP ROOM 0680F

NATIONAL FLOOD INSURANCE PROGRAM

FIRM
FLOOD INSURANCE RATE MAP

MARICOPA COUNTY, ARIZONA AND INCORPORATED AREAS

PANEL 680 OF 4350
(SEE MAP INDEX FOR PANELS NOT PRINTED)

CONTAINS: COMMUNITY	NUMBER	PANEL	SUFFIX
MARICOPA COUNTY, UNINCORPORATED AREAS	040037	0680	F

MAP NUMBER 04013C0680 F

MAP REVISED: JULY 19, 2001

Federal Emergency Management Agency
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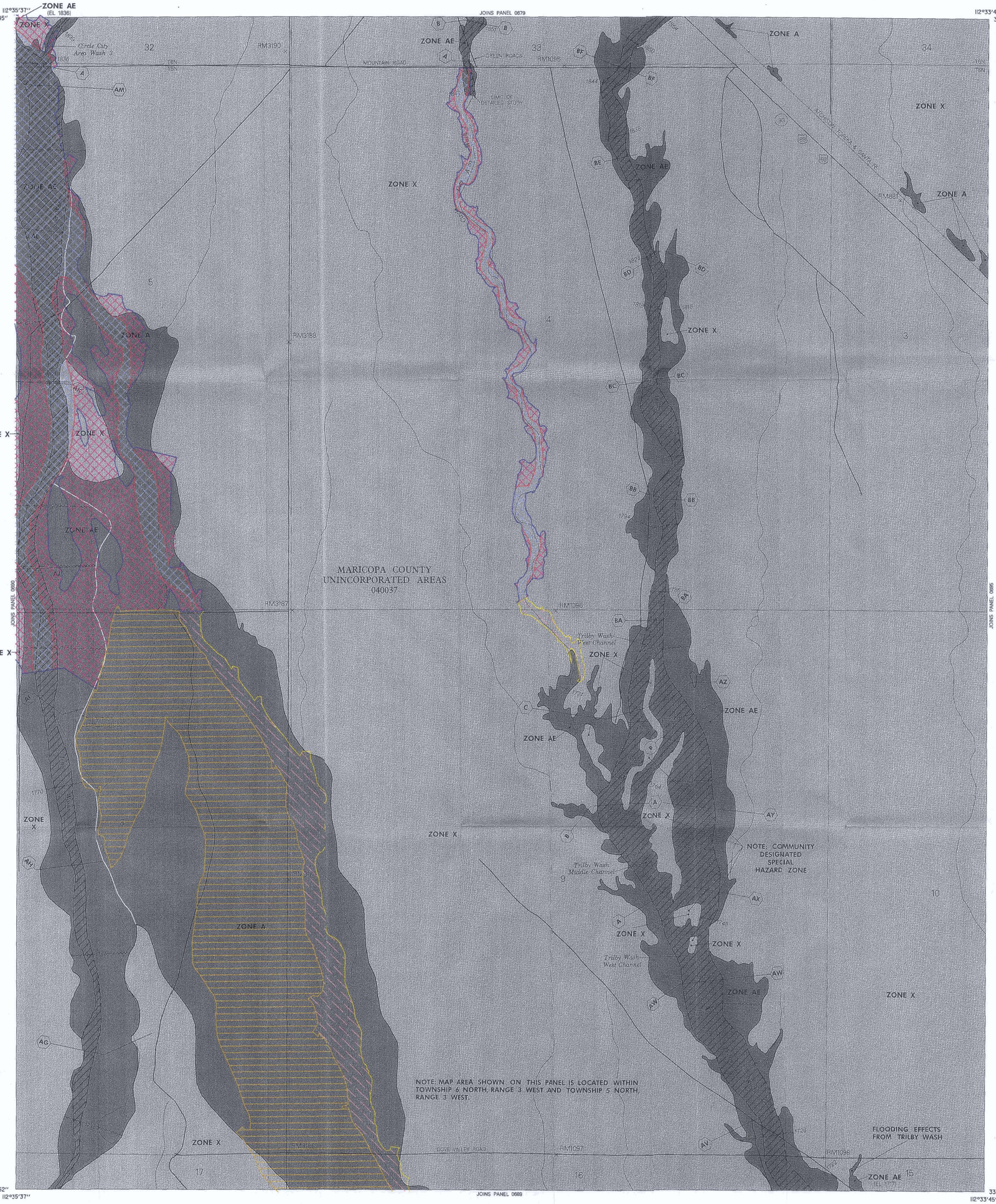
ELEVATION REFERENCE MARKS

REFERENCE MARK	ELEVATION (FEET NGVD)	DESCRIPTION OF LOCATION
RM881	1823.13	4.6 miles southeast along the Atchison, Topeka and Santa Fe Railroad from Hot Springs Junction, northwest of mile post 156, at culvert A 156, and in the top of the northeast concrete headwall, a standard monel-metal rivet.
RM1095	1847.05	North quarter section 4, T5N, R3W, along Black Mountain Road.
RM1096	1785.17	South quarter of section 4, T5N, R3W, along Carefree Highway alignment.
RM1097	1731.59	North quarter of section 16, T5N, R3W, along Dove Valley Road alignment.
RM1098	1723.61	Northeast corner of section 16, T5N, R3W, at the intersection of Dove Valley Road and 235th Avenue alignments.
RM3185	1735.29	Top of GLO brass cap marked S8|S9 1916. S20|S21
RM3186	1758.40	Top of GLO brass cap marked , S8|S9 1916.
RM3187	1786.77	Top of GLO brass cap marked S5|S4 T5N R3W 1916. S8|S9
RM3188	1814.28	Top of GLO brass cap marked , S5|S4 1916.
RM3190	1847.54	Top of GLO brass cap marked S32|S33 T6N R3W 1916. S5|S4



LEGEND

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LEGEND

SPECIAL FLOOD HAZARD AREAS INUNDATED BY 100-YEAR FLOOD

- **ZONE A** No base flood elevations determined.
- **ZONE AE** Base flood elevations determined.
- **ZONE AH** Flood depths of 1 to 3 feet (usually areas of ponding); base flood elevations determined.
- **ZONE AO** Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.
- **ZONE A99** To be protected from 100-year flood by Federal flood protection system under construction ; no base flood elevations determined.
- **ZONE V** Coastal flood with velocity hazard (wave action); no base flood elevations determined.
- **ZONE VE** Coastal flood with velocity hazard (wave action); base flood elevations determined.

FLOODWAY AREAS IN ZONE AE

OTHER FLOOD AREAS

- **ZONE X** Areas of 500-year flood; areas of 100-year flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 100-year flood.

OTHER AREAS

- **ZONE X** Areas determined to be outside 500-year floodplain.
- **ZONE D** Areas in which flood hazards are undetermined.

UNDEVELOPED COASTAL BARRIERS

Identified 1983 | Identified 1990 | Otherwise Protected Areas

Coastal barrier areas are normally located within or adjacent to Special Flood Hazard Areas.

- Floodplain Boundary
- Floodway Boundary
- Zone D Boundary
- Boundary Dividing Special Flood Hazard Zones, and Boundary Dividing Areas of Different Coastal Base Flood Elevations Within Special Flood Hazard Zones.
- 513 — Base Flood Elevation Line; Elevation in Feet. See Map Index for Elevation Datum.
- D — D — Cross Section Line
- (EL 987) — Base Flood Elevation in Feet Where Uniform Within Zone. See Map Index for Elevation Datum.
- RM7 × — Elevation Reference Mark
- ● M2 — River Mile
- 97°07'30", 32°22'30" — Horizontal Coordinates Based on North American Datum of 1927 (NAD 27) Projection.

NOTES

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For adjoining map panels and base map source see separately printed Map Index.

MAP REPOSITORY
Refer to Repository Listing on Map Index

EFFECTIVE DATE OF
COUNTYWIDE FLOOD INSURANCE RATE MAP:
APRIL 15, 1988

EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL:
SEPTEMBER 4, 1991 DECEMBER 3, 1993

Map revised July 19, 2001 to update corporate limits, to change base flood elevations, to add base flood elevations, to add Special Flood Hazard Areas, to change Special Flood Hazard Areas, to change zone designations, to update map format, to add roads and road names, and to incorporate previously issued Letters of Map Revision.

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APPROXIMATE SCALE IN FEET
500 0 500

MAP ROOM 0687G

NATIONAL FLOOD INSURANCE PROGRAM

FIRM
FLOOD INSURANCE RATE MAP

MARICOPA COUNTY, ARIZONA AND INCORPORATED AREAS

PANEL 687 OF 4350
(SEE MAP INDEX FOR PANELS NOT PRINTED)

CONTAINS: COMMUNITY	NUMBER	PANEL	SUFFIX
MARICOPA COUNTY, UNINCORPORATED AREAS	040037	0687	G

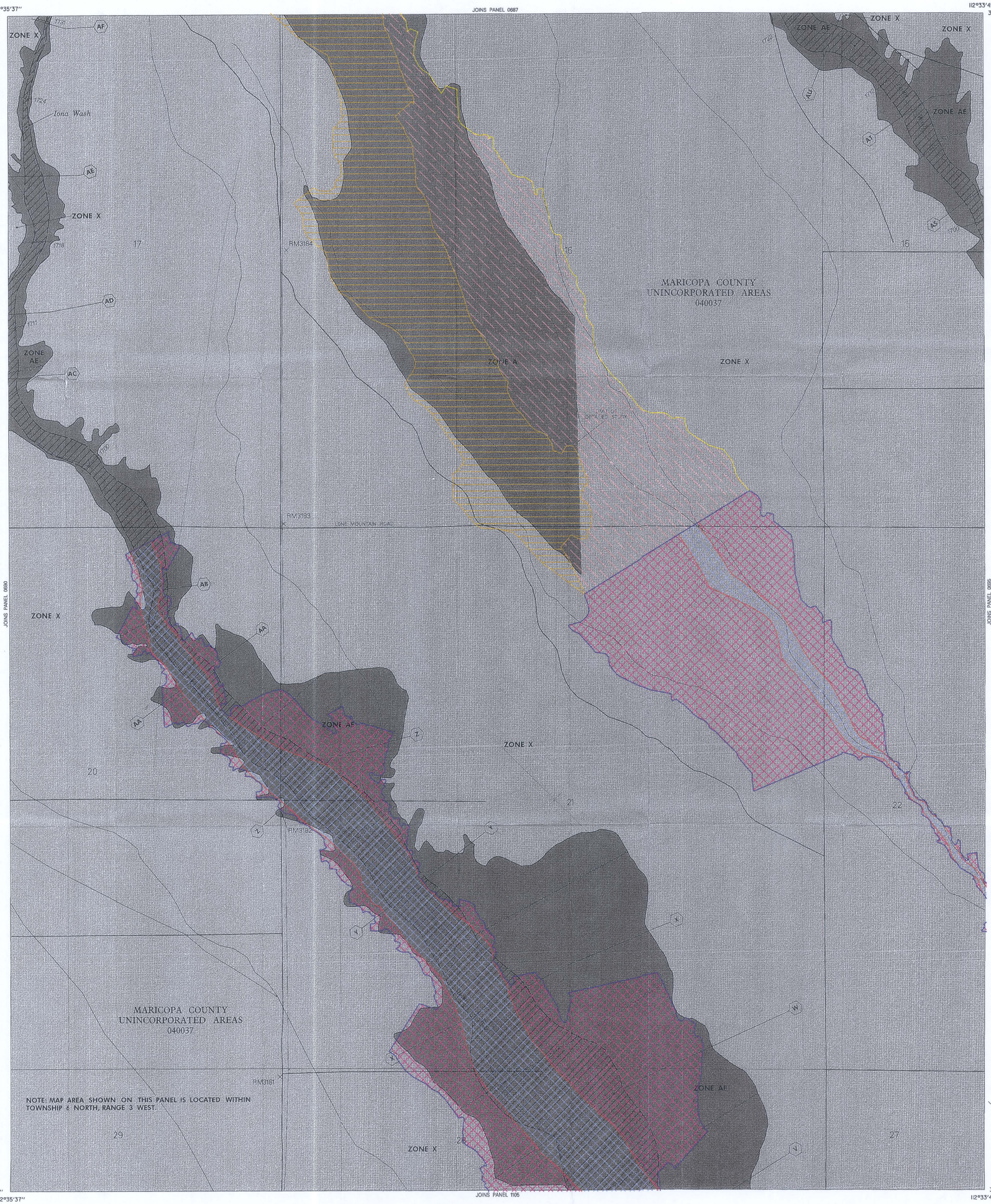
MAP NUMBER 04013C0687 G

MAP REVISED: JULY 19, 2001

Federal Emergency Management Agency

ELEVATION REFERENCE MARKS

REFERENCE MARK	ELEVATION (FEET NGVD)	DESCRIPTION OF LOCATION
RM3181	1665.63	Top of 1/2 inch aluminum cap marked Iona Wash FS ERM 6 located 1 mile north of Patton Road on 243rd Avenue (dirt), 125 feet north of a water tank on the west side of roadway.
RM3182	1679.60	Top of 1/2 inch aluminum cap marked Iona Wash FS ERM 7 located 325 feet + south of the centerline of Iona Wash and 20 feet + west of the existing dirt roadway, also 3 feet + southwest of a found 1/2 inch aluminum cap marked FCDMC 14.
RM3183	1696.93	Top of GLO brass cap marked S17|S16 1916. S20|S21
RM3184	1717.54	Top of GLO brass cap marked 1/4, S17|S16 1916.



LEGEND

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LEGEND

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ZONE V Coastal flood with velocity hazard (wave action); no base flood elevations determined.

ZONE VE Coastal flood with velocity hazard (wave action); base flood elevations determined.

FLOODWAY AREAS IN ZONE AE

OTHER FLOOD AREAS

ZONE X Areas of 500-year flood; areas of 100-year flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 100-year flood.

OTHER AREAS

ZONE X Areas determined to be outside 500-year floodplain.

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Floodplain Boundary

Floodway Boundary

Zone D Boundary

Boundary Dividing Special Flood Hazard Zones, and Boundary Dividing Areas of Different Coastal Base Flood Elevations Within Special Flood Hazard Zones.

513 — Base Flood Elevation Line; Elevation in Feet. See Map Index for Elevation Datum.

D — D — Cross Section Line

(EL 987) — Base Flood Elevation in Feet Where Uniform Within Zone. See Map Index for Elevation Datum.

RM7 × — Elevation Reference Mark

• M2 — River Mile

97°07'30", 32°22'30" — Horizontal Coordinates Based on North American Datum of 1927 (NAD 27) Projection.

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For adjoining map panels and base map source see separately printed Map Index.

MAP REPOSITORY
Refer to Repository Listing on Map Index

EFFECTIVE DATE OF
COUNTYWIDE FLOOD INSURANCE RATE MAP:
APRIL 15, 1988

EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL:
DECEMBER 3, 1993

Map revised July 19, 2001 to update corporate limits, to change base flood elevations, to add base flood elevations, to add Special Flood Hazard Areas, to change Special Flood Hazard Areas, to change zone designations, to update map format, to add roads and road names, and to incorporate previously issued Letters of Map Revision.

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APPROXIMATE SCALE IN FEET
500 0 500

MAP ROOM 0689G

NATIONAL FLOOD INSURANCE PROGRAM

FIRM
FLOOD INSURANCE RATE MAP

MARICOPA COUNTY, ARIZONA AND INCORPORATED AREAS

PANEL 689 OF 4350
(SEE MAP INDEX FOR PANELS NOT PRINTED)

CONTAINS: COMMUNITY	NUMBER	PANEL	SUFFIX
MARICOPA COUNTY UNINCORPORATED AREAS	040037	0689	G

MAP NUMBER
04013C0689 G

MAP REVISED:
JULY 19, 2001

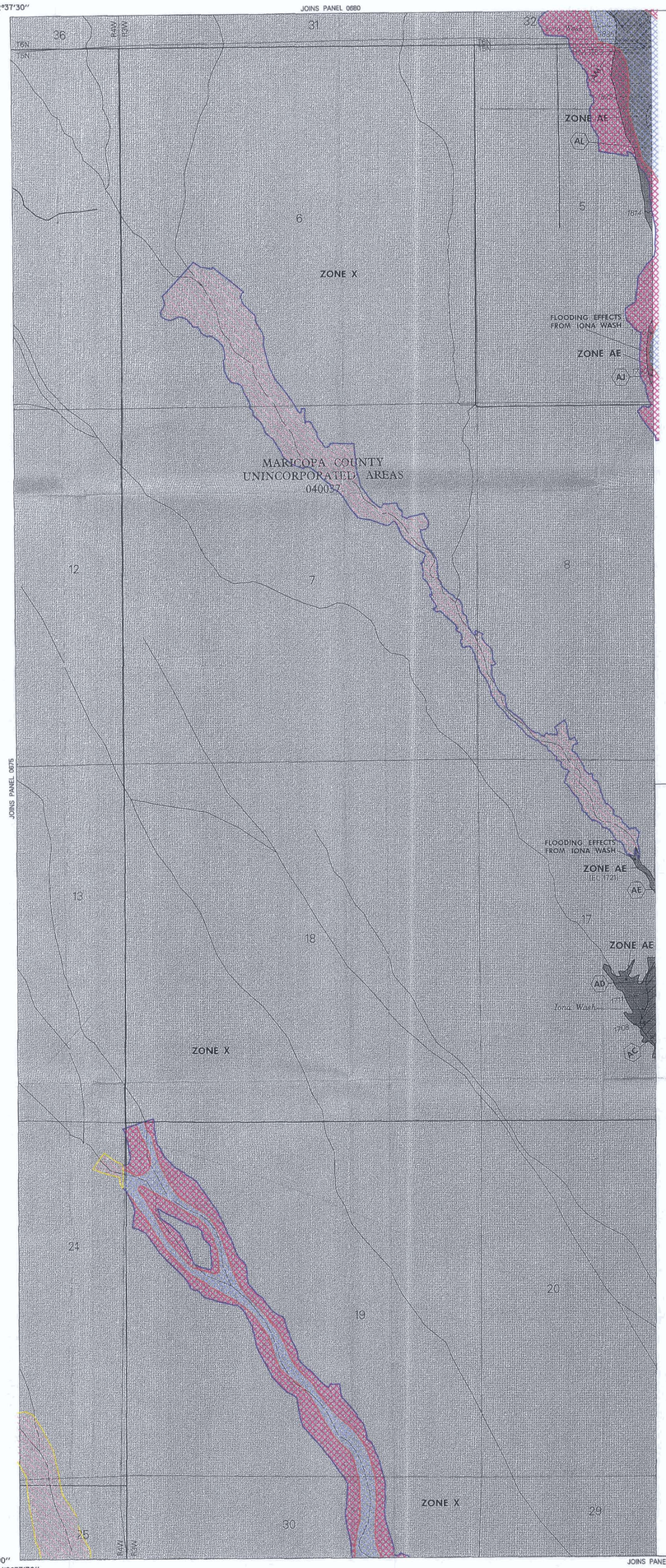
Federal Emergency Management Agency

A B C D E F G

1 2 3 4 5 6

ELEVATION REFERENCE MARKS

REFERENCE ELEVATION MARK	(FEET NGVD)	DESCRIPTION OF LOCATION
RM3189	1838.91	Top of 1-¼-inch aluminum cap marked Iona Wash FS ERM z15 located on the south side of an east-west roadway 10 feet + north of an east-west fence line.



THIS AREA IS SHOWN ON MAP NUMBER 04013C0687

THIS AREA IS SHOWN ON MAP NUMBER 04013C0689

LEGEND

To obtain more detailed information in areas where Base Flood Elevations (BFEs)and /or floodways have been determined, users are encouraged to consult the Flood Profiles and Floodway Data tables contained within the Flood Insurance Study (FIS) report that accompanies this FIRM. Users should be aware that BFEs shown on the FIRM represent rounded whole-foot elevations and therefore may not exactly reflect the flood elevation data presented in the FIS. BFEs shown on the FIRM are intended for flood insurance rating purposes only and should not be used as the sole source of flood elevation information. Accordingly, flood elevation data presented in the FIS should be utilized in conjunction with the FIRM for purposes of construction and /or floodplain management.

ERM elevations listed on this map were obtained and/or developed to establish vertical control for determination of flood elevations and floodplain boundaries portrayed on this map. Users should be aware that these ERM elevations may have changed since the publication of this map. To obtain up-to-date elevation information on National Geodetic Survey (NGS) ERMs shown on this map, please contact the Information Services Branch of the NGS at (301) 713-3242, or visit their website at www.ngs.noaa.gov. Map users should seek verification of non-NGS ERM monument elevations when using these elevations for construction or floodplain management purposes.

Coastal BFE's shown on this map may apply only landward of 0.0' NGVD. Users of this FIRM should be aware that coastal flood elevations are also provided in the Summary of Stillwater Elevations table in the Flood Insurance Study report for this community. Elevations shown in the Summary of Stillwater Elevations table should be used for construction and /or floodplain management purposes when they are higher than the elevations shown on this FIRM.

LEGEND

SPECIAL FLOOD HAZARD AREAS INUNDATED BY 100-YEAR FLOOD

ZONE A No base flood elevations determined.

ZONE AE Base flood elevations determined.

ZONE AH Flood depths of 1 to 3 feet (usually areas of ponding); base flood elevations determined.

ZONE AO Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.

ZONE A99 To be protected from 100-year flood by Federal flood protection system under construction ; no base flood elevations determined.

ZONE V Coastal flood with velocity hazard (wave action); no base flood elevations determined.

ZONE VE Coastal flood with velocity hazard (wave action); base flood elevations determined.

FLOODWAY AREAS IN ZONE AE

OTHER FLOOD AREAS

ZONE X Areas of 500-year flood; areas of 100-year flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 100-year flood.

OTHER AREAS

ZONE X Areas determined to be outside 500-year floodplain.

ZONE D Areas in which flood hazards are undetermined.

UNDEVELOPED COASTAL BARRIERS

Identified 1983 | Identified 1990 | Otherwise Protected Areas

Coastal barrier areas are normally located within or adjacent to Special Flood Hazard Areas.

Floodplain Boundary

Floodway Boundary

Zone D Boundary

Boundary Dividing Special Flood Hazard Zones, and Boundary Dividing Areas of Different Coastal Base Flood Elevations Within Special Flood Hazard Zones.

513 — Base Flood Elevation Line; Elevation in Feet. See Map Index for Elevation Datum.

(D)——(D) Cross Section Line

(EL 987) Base Flood Elevation in Feet Where Uniform Within Zone. See Map Index for Elevation Datum.

RM7 × Elevation Reference Mark

● M2 River Mile

97°07'30", 32°22'30" Horizontal Coordinates Based on North American Datum of 1927 (NAD 27) Projection.

NOTES

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Areas of Special Flood Hazard (100-year flood) include Zones A, AE, A1-A30, AH, AO, A99, V, VE and V1-V30.

Certain areas not in Special Flood Hazard Areas may be protected by flood control structures.

Boundaries of the floodways were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the Federal Emergency Management Agency.

Floodway widths in some areas may be too narrow to show to scale. Refer to Floodway Data Table where floodway width is shown at 1/20 inch.

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For community map revision history prior to countywide mapping, see Section 6.0 of the Flood Insurance Study Report.

For adjoining map panels and base map source see separately printed Map Index.

MAP REPOSITORY
Refer to Repository Listing on Map Index

EFFECTIVE DATE OF
COUNTYWIDE FLOOD INSURANCE RATE MAP:
APRIL 15, 1988

EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL:
SEPTEMBER 4, 1991 DECEMBER 3, 1993

Map revised **JULY 19, 2001** to update corporate limits, to change base flood elevations, to add base flood elevations, to add Special Flood Hazard Areas, to change Special Flood Hazard Areas, to change zone designations, to update map format, to add roads and road names, and to incorporate previously issued Letters of Map Revision.

To determine if flood insurance is available, contact an insurance agent or call the National Flood Insurance Program at (800) 638-6620.

N

APPROXIMATE SCALE IN FEET
1000 0 1000

MAP ROOM 0690 G

NATIONAL FLOOD INSURANCE PROGRAM

FIRM
FLOOD INSURANCE RATE MAP

MARICOPA COUNTY, ARIZONA AND INCORPORATED AREAS

PANEL 690 OF 4350
(SEE MAP INDEX FOR PANELS NOT PRINTED)

CONTAINS: COMMUNITY	NUMBER	PANEL	SUFFIX
MARICOPA COUNTY, UNINCORPORATED AREAS	040037	0690	G

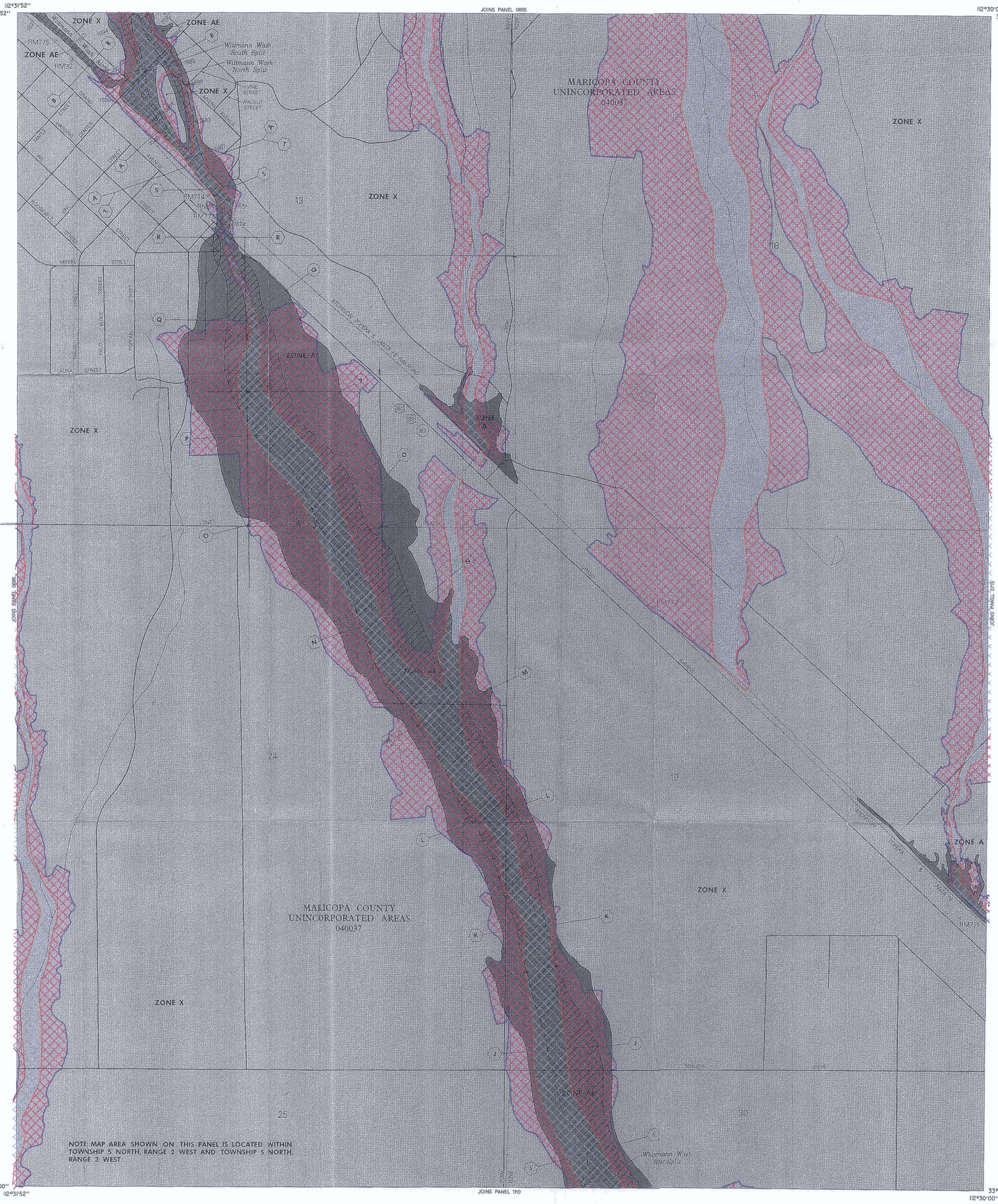
MAP NUMBER 04013C0690 G

MAP REVISED: JULY 19, 2001

Federal Emergency Management Agency

ELEVATION REFERENCE MARKS

REFERENCE MARK	ELEVATION (FEET NGVD)	DESCRIPTION OF LOCATION
RM91	1979.09	U.S. Geological Survey brass cap in northwest abutment of Atchison, Topeka and Santa Fe Railroad over wash of Wittmann, 600 feet southeast of mile post 158, 450 feet southeast of the southeast switch block and 10 feet southwest of centerline of track, marked D 24 1933.
RM92	1695.92	U.S. Geological Survey brass cap in top of 3.5-inch iron pipe at the Atchison, Topeka and Santa Fe Railroad siding at Wittmann, 450 feet northwest of culvert E 158 and 75 feet northeast of the centerline of track, marked 1,697 PHNX.
RM771	1606.36	9.6 miles southeast along the Atchison, Topeka and Santa Fe Railroad from Hot Springs Junction, Maricopa County, 2.2 miles northeast of the siding at Wittmann, 95 feet southwest of mile post 160, between the highway and the railroad, and 60 feet southwest of the centerline of the track, a standard disk stamped C 24 1933, set in the top of a concrete post.
RM772	1635.51	9.0 miles southeast along the Atchison, Topeka and Santa Fe Railroad from Hot Springs Junction, northwest of mile post 160, northeast of the track, at culvert A 160, and in the top of the concrete headwall, a standard monel-metal rivet.
RM773	1678.54	7.9 miles southeast along the Atchison, Topeka and Santa Fe Railroad from Hot Springs Junction, northwest of mile post 159, opposite bridge A 159, at a highway bridge and in the top of the east concrete headwall, a standard monel-metal rivet.
RM774	1679.05	7.8 miles southeast along the Atchison, Topeka and Santa Fe Railroad from Hot Springs Junction, at Wittmann, 600 feet southeast of mile post 158, 450 feet southeast of the southeast switch block, at bridge A 159, in the top of the northwest concrete abutment, and 10 feet southwest of the centerline of the track, a standard disk stamped D 24 1933.
RM775	1695.85	7.4 miles southeast along the Atchison, Topeka and Santa Fe Railroad from Hot Springs Junction, at the siding at Wittmann, 450 feet northwest of the station booth, 200 feet northwest of culvert E 158, and 75 feet northeast of the centerline of the track, U.S. Geological Survey standard cap, stamped 1,697 PHNX and riveted on the top of a 3.5-inch iron pipe.



LEGEND

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ERM elevations listed on this map were obtained and/or developed to establish vertical control for determination of flood elevations and floodplain boundaries portrayed on this map. Users should be aware that these ERM elevations may have changed since the publication of this map. To obtain up-to-date elevation information on National Geodetic Survey (NGS) ERMs shown on this map, please contact the Information Services Branch of the NGS at (301) 713-3242, or visit their website at www.ngs.noaa.gov. Map users should seek verification of non-NGS ERM monument elevations when using these elevations for construction or floodplain management purposes.

Coastal BFE's shown on this map may apply only landward of 0.0' NGVD. Users of this FIRM should be aware that coastal flood elevations are also provided in the Summary of Stillwater Elevations table in the Flood Insurance Study report for this community. Elevations shown in the Summary of Stillwater Elevations table should be used for construction, and /or floodplain management purposes when they are higher than the elevations shown on this FIRM.

LEGEND

SPECIAL FLOOD HAZARD AREAS INUNDATED BY 100-YEAR FLOOD

ZONE A No base flood elevations determined.

ZONE AE Base flood elevations determined.

ZONE AH Flood depths of 1 to 3 feet (usually areas of ponding); base flood elevations determined.

ZONE AO Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.

ZONE A99 To be protected from 100-year flood by Federal flood protection system under construction ; no base flood elevations determined.

ZONE V Coastal flood with velocity hazard (wave action); no base flood elevations determined.

ZONE VE Coastal flood with velocity hazard (wave action); base flood elevations determined.

FLOODWAY AREAS IN ZONE AE

OTHER FLOOD AREAS

ZONE X Areas of 500-year flood; areas of 100-year flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 100-year flood.

OTHER AREAS

ZONE X Areas determined to be outside 500-year floodplain.

ZONE D Areas in which flood hazards are undetermined.

UNDEVELOPED COASTAL BARRIERS

Identified 1983 | Identified 1990 | Otherwise Protected Areas

Coastal barrier areas are normally located within or adjacent to Special Flood Hazard Areas.

Floodplain Boundary

Floodway Boundary

Zone D Boundary

Boundary Dividing Special Flood Hazard Zones, and Boundary Dividing Areas of Different Coastal Base Flood Elevations Within Special Flood Hazard Zones.

~~~513~~~ Base Flood Elevation Line; Elevation in Feet. See Map Index for Elevation Datum.

(D)—(D) Cross Section Line

(EL 987) Base Flood Elevation in Feet Where Uniform Within Zone. See Map Index for Elevation Datum.

RM7 × Elevation Reference Mark

● M2 River Mile

97°07'30", 32°22'30" Horizontal Coordinates Based on North American Datum of 1927 (NAD 27) Projection.

NOTES

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Areas of Special Flood Hazard (100-year flood) include Zones A, AE, A1-A30, AH, AO, A99, V, VE and V1-V30.

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Boundaries of the floodways were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the Federal Emergency Management Agency.

Floodway widths in some areas may be too narrow to show to scale. Refer to Floodway Data Table where floodway width is shown at 120 inch.

Corporate limits shown are current as of the date of this map. The user should contact appropriate community officials to determine if corporate limits have changed subsequent to the issuance of this map.

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For community map revision history prior to countywide mapping, see Section 8.0 of the Flood Insurance Study Report.

For adjoining map panels and base map source see separately printed Map Index.

MAP REPOSITORY
Refer to Repository Listing on Map Index

EFFECTIVE DATE OF
COUNTYWIDE FLOOD INSURANCE RATE MAP:
APRIL 15, 1988

EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL:
SEPTEMBER 4, 1991

Map revised July 19, 2001 to update corporate limits, to change base flood elevations, to add base flood elevations, to add Special Flood Hazard Areas, to change Special Flood Hazard Areas, to change zone designations, to update map format, to add roads and road names, and to incorporate previously issued Letters of Map Revision.

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APPROXIMATE SCALE IN FEET
500 0 500

MAP ROOM 0694F

NATIONAL FLOOD INSURANCE PROGRAM

FIRM
FLOOD INSURANCE RATE MAP

MARICOPA COUNTY, ARIZONA AND INCORPORATED AREAS

PANEL 694 OF 4350
(SEE MAP INDEX FOR PANELS NOT PRINTED)

CONTAINS: COMMUNITY	NUMBER	PANEL	SUFFIX
MARICOPA COUNTY, UNINCORPORATED AREAS	040037	0694	F

MAP NUMBER
04013C0694 F

MAP REVISED:
JULY 19, 2001

Federal Emergency Management Agency
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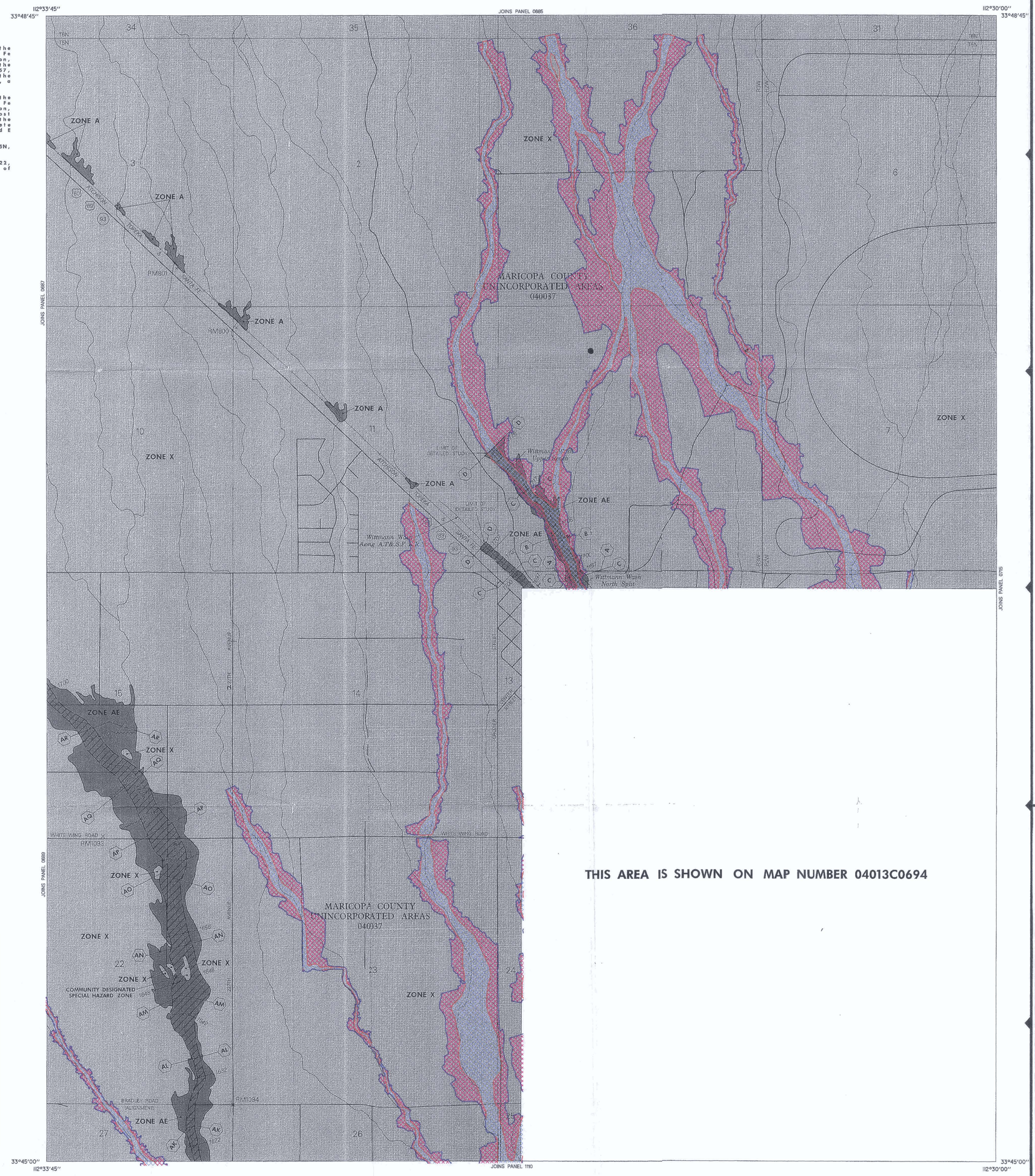
ELEVATION REFERENCE MARKS

REFERENCE MARK	ELEVATION (FEET NGVD)	DESCRIPTION OF LOCATION
RM800	1767.66	5.7 miles southeast along the Atchison, Topeka and Santa Fe Railroad from Hot Springs Junction, northwest of mile post 157, at the southeast end of bridge A 157, southwest of the track, and in the top of the concrete parapet wall, a standard monel-metal rivet.
RM801	1781.52	5.4 miles southeast along the Atchison, Topeka and Santa Fe Railroad from Hot Springs Junction, 600 feet northwest of mile post 156, at culvert G 156, and in the top of the southwest concrete headwall, a standard disk stamped E 24 1933.
RM1093	1672.13	North quarter of section 22, T5N, R3W, along White Wing Road.
RM1094	1628.13	Southeast corner of section 22, T5N, R3W, at the intersection of Bradley Road and 227th Avenue.



THIS AREA IS SHOWN ON MAP NUMBER 04013C0694

LEGEND

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LEGEND

SPECIAL FLOOD HAZARD AREAS INUNDATED BY 100-YEAR FLOOD

ZONE A No base flood elevations determined.

ZONE AE Base flood elevations determined.

ZONE AH Flood depths of 1 to 3 feet (usually areas of ponding); base flood elevations determined.

ZONE AO Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.

ZONE A99 To be protected from 100-year flood by Federal flood protection system under construction ; no base flood elevations determined.

ZONE V Coastal flood with velocity hazard (wave action); no base flood elevations determined.

ZONE VE Coastal flood with velocity hazard (wave action); base flood elevations determined.

FLOODWAY AREAS IN ZONE AE

OTHER FLOOD AREAS

ZONE X Areas of 500-year flood; areas of 100-year flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 100-year flood.

OTHER AREAS

ZONE X Areas determined to be outside 500-year floodplain.

ZONE D Areas in which flood hazards are undetermined.

UNDEVELOPED COASTAL BARRIERS

Identified 1983 — Identified 1990 — Otherwise Protected Areas

Coastal barrier areas are normally located within or adjacent to Special Flood Hazard Areas.

Floodplain Boundary

Floodway Boundary

Zone D Boundary

Boundary Dividing Special Flood Hazard Zones, and Boundary Dividing Areas of Different Coastal Base Flood Elevations Within Special Flood Hazard Zones.

~~~513~~~ Base Flood Elevation Line; Elevation in Feet. See Map Index for Elevation Datum.

(D)——(D) Cross Section Line

(EL 987) Base Flood Elevation in Feet Where Uniform Within Zone. See Map Index for Elevation Datum.

RM7 × Elevation Reference Mark

● M2 River Mile

97°07'30", 32°22'30" Horizontal Coordinates Based on North American Datum of 1927 (NAD 27) Projection.

NOTES

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For adjoining map panels and base map source see separately printed Map Index.

MAP REPOSITORY
Refer to Repository Listing on Map Index

EFFECTIVE DATE OF
COUNTYWIDE FLOOD INSURANCE RATE MAP:
APRIL 15, 1988

EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL:
SEPTEMBER 4, 1991, DECEMBER 3, 1993

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APPROXIMATE SCALE IN FEET
1000 0 1000

MAP ROOM 0695G

NATIONAL FLOOD INSURANCE PROGRAM

FIRM
FLOOD INSURANCE RATE MAP

MARICOPA COUNTY, ARIZONA AND INCORPORATED AREAS

PANEL 695 OF 4350
(SEE MAP INDEX FOR PANELS NOT PRINTED)

CONTAINS: COMMUNITY	NUMBER	PANEL	SUFFIX
MARICOPA COUNTY, UNINCORPORATED AREAS	040037	0695	G

MAP NUMBER
04013C0695 G

MAP REVISED:
JULY 19, 2001

Federal Emergency Management Agency
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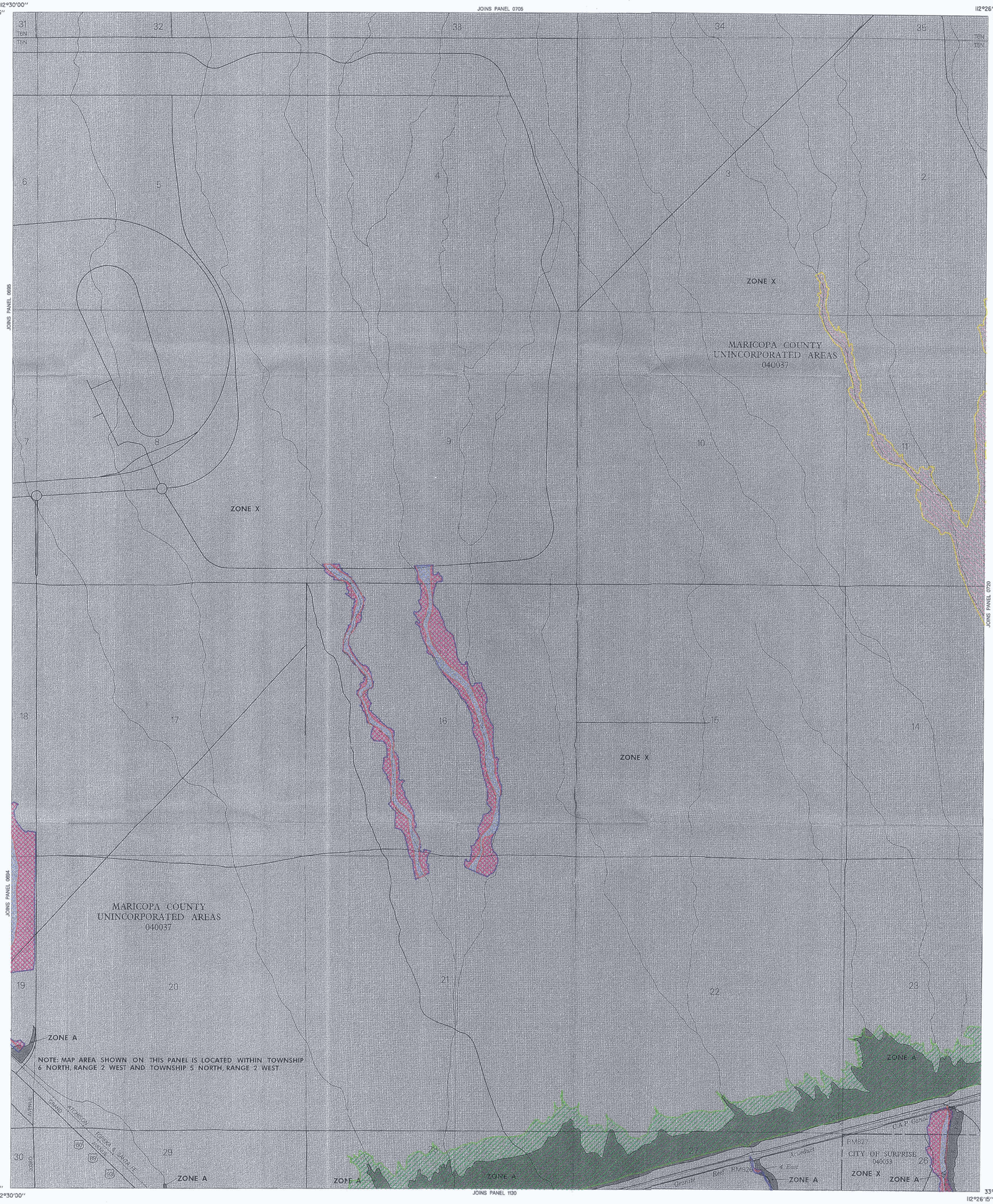
ELEVATION REFERENCE MARKS

REFERENCE MARK	ELEVATION (FEET NGVD)	DESCRIPTION OF LOCATION
RM826	1542.93	Brass disk at CAP station 119 + 00.00, 125 feet south of centerline on right-of-way.
RM827	1541.70	Brass disk at CAP station 138 + 08.80, 125 feet south of centerline on right-of-way.
RM828	1558.86	Rebar at PP-1009 near corner of sections 22, 23, 26, and 27.



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LEGEND

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ZONE VE Coastal flood with velocity hazard (wave action); base flood elevations determined.

FLOODWAY AREAS IN ZONE AE

OTHER FLOOD AREAS

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OTHER AREAS

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Identified 1983 | Identified 1990 | Otherwise Protected Areas

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Floodplain Boundary

Floodway Boundary

Zone D Boundary

Boundary Dividing Special Flood Hazard Zones, and Boundary Dividing Areas of Different Coastal Base Flood Elevations Within Special Flood Hazard Zones.

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(D)———(D) Cross Section Line

(EL 987) Base Flood Elevation in Feet Where Uniform Within Zone. See Map Index for Elevation Datum.

RM7 × Elevation Reference Mark

● M2 River Mile

97°07'30", 32°22'30" Horizontal Coordinates Based on North American Datum of 1927 (NAD 27) Projection.

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MAP REPOSITORY
Refer to Repository Listing on Map Index

EFFECTIVE DATE OF
COUNTYWIDE FLOOD INSURANCE RATE MAP:
APRIL 15, 1988

EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL:
SEPTEMBER 4, 1991

Map revised July 19, 2001 to update corporate limits, to change base flood elevations, to add base flood elevations, to add Special Flood Hazard Areas, to change Special Flood Hazard Areas, to change zone designations, to update map format, to add roads and road names, and to incorporate previously issued Letters of Map Revision.

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APPROXIMATE SCALE IN FEET
1000 0 1000

MAP ROOM 0715F

NATIONAL FLOOD INSURANCE PROGRAM

FIRM
FLOOD INSURANCE RATE MAP

MARICOPA COUNTY, ARIZONA AND INCORPORATED AREAS

PANEL 715 OF 4350
(SEE MAP INDEX FOR PANELS NOT PRINTED)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
MARICOPA COUNTY, UNINCORPORATED AREAS	040037	0715	F
SURPRISE, CITY OF	040053	0715	F

MAP NUMBER
04013C0715 F

MAP REVISED:
JULY 19, 2001

Federal Emergency Management Agency
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NOTES TO USERS

This map is for use in administering the National Flood Insurance Program. It does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size. The **community map repository** should be consulted for possible updated or additional flood hazard information.

To obtain more detailed information in areas where **Base Flood Elevation** (BFEs) and/or **floodways** have been determined, users are encouraged to consult the Flood Profiles and Floodway Data tables contained within the Flood Insurance Study (FIS) report that accompanies this FIRM. Users should be aware that BFEs shown on the FIRM represent rounded whole-foot elevations. These BFEs are intended for flood insurance rating purposes only and should not be used as the sole source of flood elevation information. Accordingly, flood elevation data presented in the FIS should be utilized in conjunction with the FIRM for purposes of construction and/or floodplain management.

Coastal Base Flood Elevation (BFEs) shown on this map apply only landward of 0.0' National Geodetic Vertical Datum (NGVD). Users of this FIRM should be aware that coastal flood elevations may also be provided in the Summary of Stillwater Elevations table in the Flood Insurance Study report for this community. Elevations shown in the Summary of Stillwater Elevations table should be used for construction, and/or floodplain management purposes when they are higher than the elevations shown on this FIRM.

Boundaries of the **floodways** were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the National Flood Insurance Program. Floodway widths and other pertinent floodway data are provided in the Flood Insurance Study report for this jurisdiction.

Certain areas not in Special Flood Hazard Areas may be protected by **flood control structures.** Refer to Section 2.4 "Flood Protection Measures" of the Flood Insurance Study report for information on flood control structures in this jurisdiction.

The **projection** used in the preparation of this map is Universal Tranverse Mercator (UTM) zone 12. The **horizontal datum** is NAD27, CLARKE1866 spheroid. Differences in datum, spheroid, projection or UTM zones used in the production of FIRMs for adjacent jurisdictions may result in slight positional differences in map features across jurisdiction boundaries. These differences do not affect the accuracy of the FIRM.

Flood elevations on this map are referenced to the National Geodetic Vertical Datum of 1929. These flood elevations must be compared to structure and ground elevations referenced to the same **vertical datum.** For information regarding conversion between the National Geodetic Vertical Datum of 1929 and the North American Vertical Datum of 1988, visit the National Geodetic Survey website at www.ngs.noaa.gov or contact the National Geodetic Survey at the following address:

Spatial Reference System Division
National Geodetic Survey, NOAA
Silver Spring Metro Center
1315 East-West Highway
Silver Spring, Maryland 20910
(301) 713-3191

To obtain current elevation, description, and/or location information for **bench marks** shown on this map, please contact the Information Services Branch of the National Geodetic Survey at **(301) 713-3242,** or visit their website at www.ngs.noaa.gov.

Base map information shown on this FIRM was provided in digital format by the Maricopa County GIS Department.

Corporate limits shown on this map are based on the best data available at the time of publication. Because changes due to annexations or de-annexations may have occurred after this map was published, map users should contact appropriate community officials to verify current corporate limit locations.

Please refer to the separately printed **Map Index** for an overview map of the county showing the layout of map panels; community map repository addresses; and a Listing of Communities table containing National Flood Insurance Program dates for each community as well as a listing of the panels on which each community is located.

An accompanying Flood Insurance Study report, Letters of Map Revision or Letters of Map Amendment revising portions of this panel, and digital versions of this PANEL may be available. Contact the **FEMA Map Service Center** at the following phone numbers and Internet address for infomation on all related products available from FEMA;

Phone: 800-358-9616
FAX: 800-358-9620
www.fema.gov/msc

If you have **questions about this map** or questions concerning the National Flood Insurance Program in general, please call **1-877-FEMA-MAP** (1-877-336-2627) or visit the FEMA website at www.fema.gov.

This map reflects more detailed and up-to-date stream channel configurations than those shown on the previous FIRM for this jurisdiction. The floodplains and floodways that were transferred from the previous FIRM may have been adjusted to conform to these new stream channel configurations. As a result, the Flood Profiles and Floodway Data tables in the Flood Insurance Study report may reflect stream channel distances that differ from what is shown on this map.

THIS WILL SOON BE RE-ISSUED AS ZONE AE. SEE DETAILED MAPS IN DRAWER 7, FOR DETAILS & FLOODWAYS, PADELFORD WASH

FLOOD CONTROL DISTRICT
RECEIVED
MAR 01 '05

CH & GM	FINANCE
P-D	LANDS
ADMIN	O & M
REG	P & PM
ENG	FILE
CONTRACTS	

LEGEND

SPECIAL FLOOD HAZARD AREAS SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD EVENT

The 1% annual chance flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AR, A99, V, and VE. The Base Flood Elevation is the water surface elevation of the 1% annual chance flood.

ZONE A	No base flood elevations determined.
ZONE AE	Base flood elevations determined.
ZONE AH	Flood depths of 1 to 3 feet (usually areas of ponding); base flood elevations determined.
ZONE AO	Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.
ZONE AR	Area of special flood hazard formerly protected from the 1% annual chance flood event by a flood control system that was subsequently decertified. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood event.
ZONE A99	Area to be protected from 1% annual chance flood event by a Federal flood protection system under construction; no base flood elevations determined.
ZONE V	Coastal flood zone with velocity hazard (wave action); no base flood elevations determined.
ZONE VE	Coastal flood zone with velocity hazard (wave action); base flood elevations determined.

FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights.

OTHER FLOOD AREAS

ZONE X	Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.

OTHER AREAS

ZONE X	Areas determined to be outside the 0.2% annual chance floodplain.
ZONE D	Areas in which flood hazards are undetermined, but possible.

COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS

OTHERWISE PROTECTED AREAS (OPAs)

CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.

	Floodplain boundary
	Floodway boundary
	Zone D boundary
	CBRS and OPA boundary
	Boundary dividing Special Flood Hazard Areas of different Base Flood Elevations, flood depths or velocities.
513	Base Flood Elevation line and value; elevation in feet*
(EL 987)	Base Flood Elevation value where uniform within zone; elevation in feet*

*Referenced to the National Geodetic Vertical Datum of 1929

(A)———(A)	Cross Section Line
(23)- - - -(23)	Transect Line
97°07'30", 32°22'30"	Geographic coordinates referenced to the North American Datum of 1927 (NAD 27)
4276000M	1000-meter Universal Transverse Mercator grid values, zone 12
600000 FT	5000-foot grid ticks
DX5510×	Bench mark (see explanation in Notes to Users section of this FIRM panel).
• M1.5	River Mile

MAP REPOSITORY
Refer to Repository Listing on Index Map

EFFECTIVE DATE OF COUNTYWIDE
FLOOD INSURANCE RATE MAP
APRIL 15, 1988

EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL

SEPTEMBER 4, 1991
July 19, 2001: to update corporate limits, to change base flood elevations, to add base flood elevations, to add Special Flood Hazard Areas, to change Special Flood Hazard Areas, to change zone designations, to update map format, to add roads and road names, and to incorporate previously issued Letters of Map Revision.

For community map revision history prior to countywide mapping, refer to the Community Map History table located in the Flood Insurance Study report for this jurisdiction.

To determine if flood insurance is available in this community, contact your insurance agent or call the National Flood Insurance Program at (800) 638-6620.

MAP SCALE 1" = 1000'

500 0 1000 2000 FEET
300 0 300 600 METERS

NFIP
NATIONAL FLOOD INSURANCE PROGRAM

MAP ROOM

PANEL 0720F

FIRM
FLOOD INSURANCE RATE MAP
MARICOPA COUNTY,
ARIZONA
AND INCORPORATED AREAS

PANEL 720 OF 4350

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
MARICOPA COUNTY, UNINCORPORATED AREAS	040037	0720	F
PEORIA, CITY OF	040050	0720	F
SURPRISE, CITY OF	040053	0720	F

REVISED TO REFLECT LOMR DATED MAR 25 2005

Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.

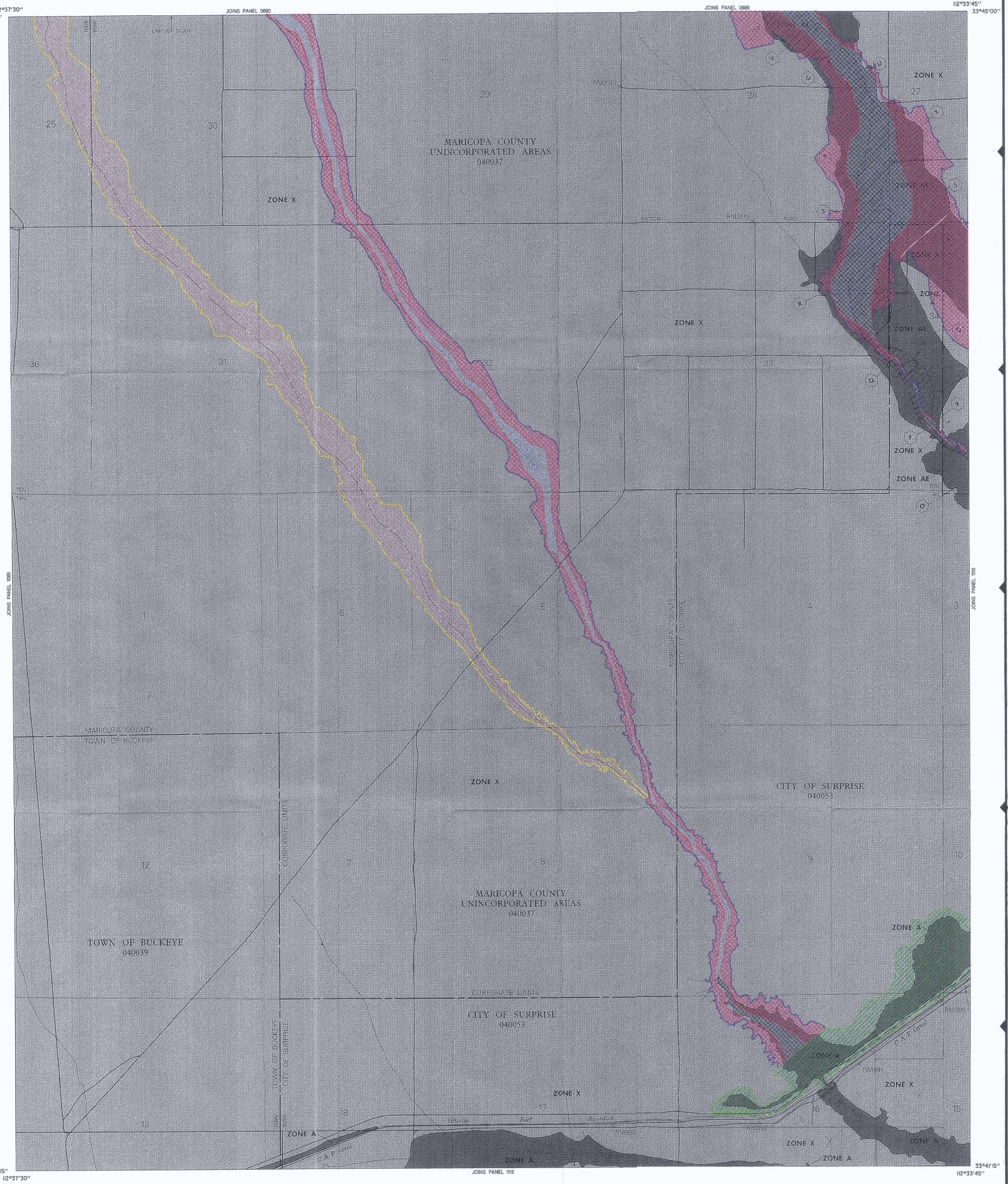
MAP NUMBER 04013C0720F

MAP REVISED: JULY 19, 2001

Federal Emergency Management Agency

ELEVATION REFERENCE MARKS

REFERENCE MARK	ELEVATION (FEET NGVD)	DESCRIPTION OF LOCATION
RM890	1534.55	Brass disk at CAP station 499+68.77, 125 feet south of centerline on right-of-way Reach 8.
RM891	1537.09	Brass disk at CAP station 474+00.24, 125 feet south of centerline on right-of-way Reach 8.
RM892	1539.54	Brass disk at CAP station 451+98.91, 125 feet south of centerline on right-of-way Reach 8.
RM893	1545.92	Brass disk at CAP station 422+99.50, 125 feet south of centerline on right-of-way Reach 8.
NEW RM3179	1622.28	Top of Maricopa County Highway Department brass cap flush with pavement at the intersection of Patton Road and 239th Avenue.
RM3180	1650.98	Top of 1-½-inch aluminum cap marked Iona Wash FS ERM z5 located 0.5 mile north of Patton Road on 243rd Avenue on the west side of roadway.



LEGEND

To obtain more detailed information in areas where Base Flood Elevations (BFEs)and /or floodways have been determined, users are encouraged to consult the Flood Profiles and Floodway Data tables contained within the Flood Insurance Study (FIS) report that accompanies this FIRM. Users should be aware that BFEs shown on the FIRM represent rounded whole-foot elevations and therefore may not exactly reflect the flood elevation data presented in the FIS. BFEs shown on the FIRM are intended for flood insurance rating purposes only and should not be used as the sole source of flood elevation information. Accordingly, flood elevation data presented in the FIS should be utilized in conjunction with the FIRM for purposes of construction and /or floodplain management.

ERM elevations listed on this map were obtained and/or developed to establish vertical control for determination of flood elevations and floodplain boundaries portrayed on this map. Users should be aware that these ERM elevations may have changed since the publication of this map. To obtain up-to-date elevaton information on National Geodetic Survey (NGS) ERMs shown on this map, please contact the Information Services Branch of the NGS at (301) 713-3242, or visit their website at www.ngs.noaa.gov. Map users should seek verification of non-NGS ERM monument elevations when using these elevations for construction or floodplain management purposes.

Coastal BFE's shown on this map may apply only landward of 0.0' NGVD. Users of this FIRM should be aware that coastal flood elevations are also provided in the Summary of Stillwater Elevations table in the Flood Insurance Study report for this community. Elevations shown in the Summary of Stillwater Elevations table should be used for construction, and /or floodplain management purposes when they are higher than the elevations shown on this FIRM.

LEGEND

SPECIAL FLOOD HAZARD AREAS INUNDATED BY 100-YEAR FLOOD

ZONE A No base flood elevations determined.

ZONE AE Base flood elevations determined.

ZONE AH Flood depths of 1 to 3 feet (usually areas of ponding); base flood elevations determined.

ZONE AO Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.

ZONE A99 To be protected from 100-year flood by Federal flood protection system under construction ; no base flood elevations determined.

ZONE V Coastal flood with velocity hazard (wave action); no base flood elevations determined.

ZONE VE Coastal flood with velocity hazard (wave action); base flood elevations determined.

FLOODWAY AREAS IN ZONE AE

OTHER FLOOD AREAS

ZONE X Areas of 500-year flood; areas of 100-year flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 100-year flood.

OTHER AREAS

ZONE X Areas determined to be outside 500-year floodplain.

ZONE D Areas in which flood hazards are undetermined.

UNDEVELOPED COASTAL BARRIERS

Identified 1983 — Identified 1990 — Otherwise Protected Areas

Coastal barrier areas are normally located within or adjacent to Special Flood Hazard Areas.

Floodplain Boundary

Floodway Boundary

Zone D Boundary

Boundary Dividing Special Flood Hazard Zones, and Boundary Dividing Areas of Different Coastal Base Flood Elevations Within Special Flood Hazard Zones.

~~~513~~~ Base Flood Elevation Line; Elevation In Feet. See Map Index for Elevation Datum.

(D)——(D) Cross Section Line

(EL 987) Base Flood Elevation in Feet Where Uniform Within Zone. See Map Index for Elevation Datum.

RM7 × Elevation Reference Mark

● M2 River Mile

97°07'30", 32°22'30" Horizontal Coordinates Based on North American Datum of 1927 (NAD 27) Projection.

NOTES

This map is for use in administering the National Flood Insurance Program; it does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size, or all planimetric features outside Special Flood Hazard Areas. The community map repository should be consulted for more detailed data on BFE's, and for any information on floodway delineations, prior to use of this map for property purchase or construction purposes.

Areas of Special Flood Hazard (100-year flood) include Zones A, AE, A1-A30, AH, AO, A99, V, VE and V1-V30.

Certain areas not in Special Flood Hazard Areas may be protected by flood control structures.

Boundaries of the floodways were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the Federal Emergency Management Agency.

Floodway widths in some areas may be too narrow to show to scale. Refer to Floodway Data Table where floodway width is shown at 1/20 inch.

Corporate limits shown are current as of the date of this map. The user should contact appropriate community officials to determine if corporate limits have changed subsequent to the issuance of this map.

This map may incorporate approximate boundaries of Coastal Barrier Resource System Units and /or Otherwise Protected Areas established under the Coastal Barrier Improvement Act of 1990 (PL 101-591).

For community map revision history prior to countywide mapping, see Section 6.0 of the Flood Insurance Study Report.

For adjoining map panels and base map source see separately printed Map Index.

MAP REPOSITORY
Refer to Repository Listing on Map Index

EFFECTIVE DATE OF
COUNTYWIDE FLOOD INSURANCE RATE MAP:
APRIL 15, 1988

EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL:
SEPTEMBER 4, 1991, DECEMBER 3, 1993

Map revised July 19, 2001 to update corporate limits, to change base flood elevations, to add base flood elevations, to add Special Flood Hazard Areas, to change Special Flood Hazard Areas, to change zone designations, to update map format, to add roads and road names, and to incorporate previously issued Letters of Map Revision.

To determine if flood insurance is available, contact an insurance agent or call the National Flood Insurance Program at (800) 638-6620.

APPROXIMATE SCALE IN FEET
1000 0 1000

MAP ROOM 1105G

NATIONAL FLOOD INSURANCE PROGRAM

FIRM
FLOOD INSURANCE RATE MAP

MARICOPA COUNTY, ARIZONA AND INCORPORATED AREAS

PANEL 1105 OF 4350
(SEE MAP INDEX FOR PANELS NOT PRINTED)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
BUCKEYE, TOWN OF	040039	1105	G
MARICOPA COUNTY, UNINCORPORATED AREAS	040037	1105	G
SURPRISE, CITY OF	040053	1105	G

MAP NUMBER
04013C1105 G

MAP REVISED:
JULY 19, 2001

Federal Emergency Management Agency
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ELEVATION REFERENCE MARKS

REFERENCE MARK	ELEVATION (FEET NGVD)	DESCRIPTION OF LOCATION
RM776	1469.01	Find set rebar with yellow cap, quarter corner of sections 13 and 18.
RM777	1481.41	Find set rebar with yellow cap, corner of sections 7, 12, 13, and 18.
RM778	1494.40	Brass cap on top of pipe, quarter corner of sections 7 and 12.
RM779	1522.18	Brass cap on top of pipe, corner of sections 31 and 36.
RM780	1544.54	Brass disk at CAP station 766+42.02, 196 feet south of centerline on right-of-way.
RM781	1546.19	Brass disk at CAP station 725+99.33, 125 feet south of centerline on right-of-way.
RM782	1540.74	Brass disk at CAP station 699+99.94, 125 feet south of centerline on right-of-way.
RM783	1485.90	Brass cap on top of pipe, quarter corner of sections 13 and 14.
RM784	1513.53	Brass cap on top of pipe, quarter corner of sections 14 and 15.
RM785	1526.29	Rebar on corner of sections 1, 2, 11, and 12.
RM786	1511.84	Brass cap on top of pipe, quarter corner of sections 11 and 12.
RM787	1500.81	Brass cap on top of pipe, corner of sections 11, 12, 13, and 14.
RM788	1551.36	Brass disk at CAP station 598+99.65, 175 feet south of centerline on right-of-way.
RM789	1542.34	Brass disk at CAP station 559+99.95, 125 feet south of centerline on right-of-way.
RM790	1541.19	Brass disk at CAP station 679+99.93, 125 feet south of centerline on right-of-way, Reach 8.
RM791	1546.76	Brass disk at CAP station 659+47.64, 125 feet south of centerline on right-of-way Reach 8.
RM792	1555.54	Brass disk at CAP station 639+98.76, 3114.35 feet south of centerline on right-of-way Reach 8.
RM793	1541.88	Brass disk at CAP station 529+99.88, 125 feet south of centerline on right-of-way Reach 8.
RM1090	1570.28	Southwest corner of section 35, T5N, R3W, at intersection of Jomax Road alignment and 227th Avenue.
RM1091	1593.44	Flush with northwest corner of section 35, T5N, R3W, at intersection of Patton Road and 227th Avenue.
RM1092	1608.62	West quarter section 26, T5N, R3W, along 227th Avenue. NEW ELEV
RM3171	1483.46	Top of 1-+-inch aluminum cap marked Iona Wash FS ERM z26 located 7.5 feet q south, southwest of the GLO brass cap marked , S14/S13 1915.
RM3172	1498.53	Top of 1-+-inch aluminum cap marked Iona Wash FS ERM z25 located 11.0 feet + south of street sign marked Pinnacle Peak Road and 219th Avenue.
RM3173	1510.67	Top of 1-+-inch aluminum cap marked Iona Wash FS ERM z24 located 23 feet + west of the west edge of the dirt roadway.
RM3174	1527.02	Top of 1-+-inch aluminum cap marked Iona Wash FS ERM z23 located 30 feet + west of the west side of the dirt roadway.
RM3175	1543.08	Top of 1-+-inch aluminum cap marked Iona Wash FS ERM z22 located 15 feet + west of the west edge of a dirt roadway.
RM3176	1570.45	Top of GLO brass cap marked S34|S35 1916.
RM3177	1605.88	Top of Maricopa County Highway Department brass cap flush with pavement at the intersection of 230th Avenue and Patton Road.

LEGEND

To obtain more detailed information in areas where Base Flood Elevations (BFEs)and /or floodways have been determined, users are encouraged to consult the Flood Profiles and Floodway Data tables contained within the Flood Insurance Study (FIS) report that accompanies this FIRM. Users should be aware that BFEs shown on the FIRM represent rounded whole-foot elevations and therefore may not exactly reflect the flood elevation data presented in the FIS. BFEs shown on the FIRM are intended for flood insurance rating purposes only and should not be used as the sole source of flood elevation information. Accordingly, flood elevation data presented in the FIS should be utilized in conjunction with the FIRM for purposes of construction and /or floodplain management.

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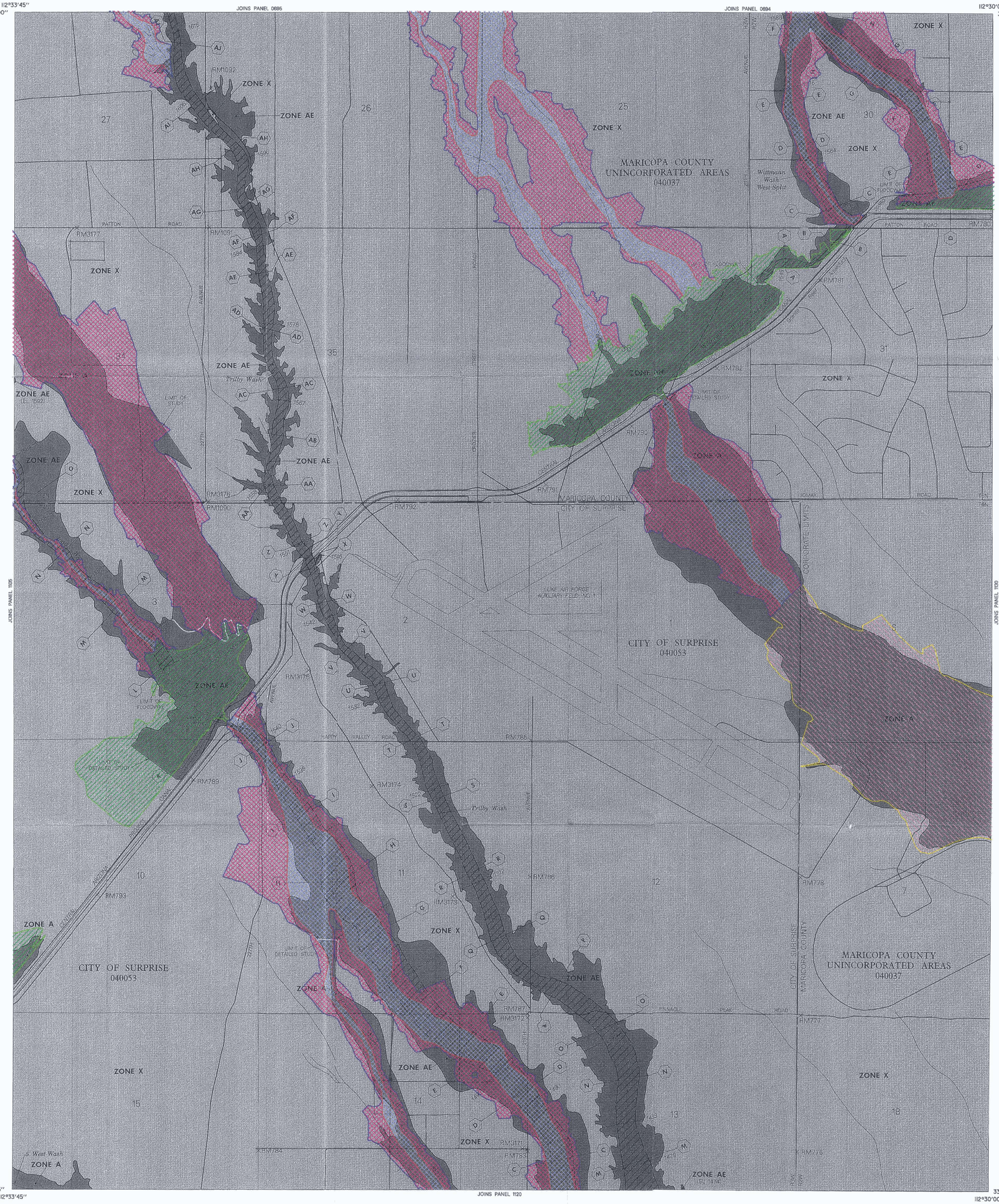
Coastal BFE's shown on this map may apply only landward of 0.0' NGVD. Users of this FIRM should be aware that coastal flood elevations are also provided in the Summary of Stillwater Elevations table in the Flood Insurance Study report for this community. Elevations shown in the Summary of Stillwater Elevations table should be used for construction, and /or floodplain management purposes when they are higher than the elevations shown on this FIRM.



LEGEND

SPECIAL FLOOD HAZARD AREAS INUNDATED BY 100-YEAR FLOOD

ZONE A No base flood elevations determined.

ZONE AE Base flood elevations determined.

ZONE AH Flood depths of 1 to 3 feet (usually areas of ponding); base flood elevations determined.

ZONE AO Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.

ZONE A99 To be protected from 100-year flood by Federal flood protection system under construction ; no base flood elevations determined.

ZONE V Coastal flood with velocity hazard (wave action); no base flood elevations determined.

ZONE VE Coastal flood with velocity hazard (wave action); base flood elevations determined.

FLOODWAY AREAS IN ZONE AE

OTHER FLOOD AREAS

ZONE X Areas of 500-year flood; areas of 100-year flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 100-year flood.

OTHER AREAS

ZONE X Areas determined to be outside 500-year floodplain.

ZONE D Areas in which flood hazards are undetermined.

UNDEVELOPED COASTAL BARRIERS

Identified 1983 | Identified 1990 | Otherwise Protected Areas

Coastal barrier areas are normally located within or adjacent to Special Flood Hazard Areas.

Floodplain Boundary

Floodway Boundary

Zone D Boundary

Boundary Dividing Special Flood Hazard Zones, and Boundary Dividing Areas of Different Coastal Base Flood Elevations Within Special Flood Hazard Zones.

513 — Base Flood Elevation Line; Elevation in Feet. See Map Index for Elevation Datum.

D — D — Cross Section Line

(EL 987) — Base Flood Elevation in Feet Where Uniform Within Zone. See Map Index for Elevation Datum.

RM7 × — Elevation Reference Mark

● M2 — River Mile

97°07'30", 32°22'30" — Horizontal Coordinates Based on North American Datum of 1927 (NAD 27) Projection.

NOTES

This map is for use in administering the National Flood Insurance Program; it does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size, or all planimetric features outside Special Flood Hazard Areas. The community map repository should be consulted for more detailed data on BFE's, and for any information on floodway delineations, prior to use of this map for property purchase or construction purposes.

Areas of Special Flood Hazard (100-year flood) include Zones A, AE, A1-A30, AH, AO, A99, V, VE and V1-V30.

Certain areas not in Special Flood Hazard Areas may be protected by flood control structures.

Boundaries of the floodways were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the Federal Emergency Management Agency.

Floodway widths in some areas may be too narrow to show to scale. Refer to Floodway Data Table where floodway width is shown at 1/20 inch.

Corporate limits shown are current as of the date of this map. The user should contact appropriate community officials to determine if corporate limits have changed subsequent to the issuance of this map.

This map may incorporate approximate boundaries of Coastal Barrier Resource System Units and /or Otherwise Protected Areas established under the Coastal Barrier Improvement Act of 1990 (PL 101-591).

For community map revision history prior to countywide mapping, see Section 6.0 of the Flood Insurance Study Report.

For adjoining map panels and base map source see separately printed Map Index.

MAP REPOSITORY
Refer to Repository Listing on Map Index

EFFECTIVE DATE OF
COUNTYWIDE FLOOD INSURANCE RATE MAP:
APRIL 15, 1988

EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL:
SEPTEMBER 4, 1991, DECEMBER 3, 1993

Map revised July 19, 2001 to update corporate limits, to change base flood elevations, to add base flood elevations, to add Special Flood Hazard Areas, to change Special Flood Hazard Areas, to change zone designations, to update map format, to add roads and road names, and to incorporate previously issued Letters of Map Revision.

To determine if flood insurance is available, contact an insurance agent or call the National Flood Insurance Program at (800) 638-6620.

APPROXIMATE SCALE IN FEET
1000 0 1000

MAP ROOM 1110 G

NATIONAL FLOOD INSURANCE PROGRAM

FIRM
FLOOD INSURANCE RATE MAP

MARICOPA COUNTY, ARIZONA AND INCORPORATED AREAS

PANEL 1110 OF 4350
(SEE MAP INDEX FOR PANELS NOT PRINTED)

CONTAINS: COMMUNITY	NUMBER	PANEL	SUFFIX
MARICOPA COUNTY, UNINCORPORATED AREAS	040037	1110	G
SURPRISE, CITY OF	040053	1110	G

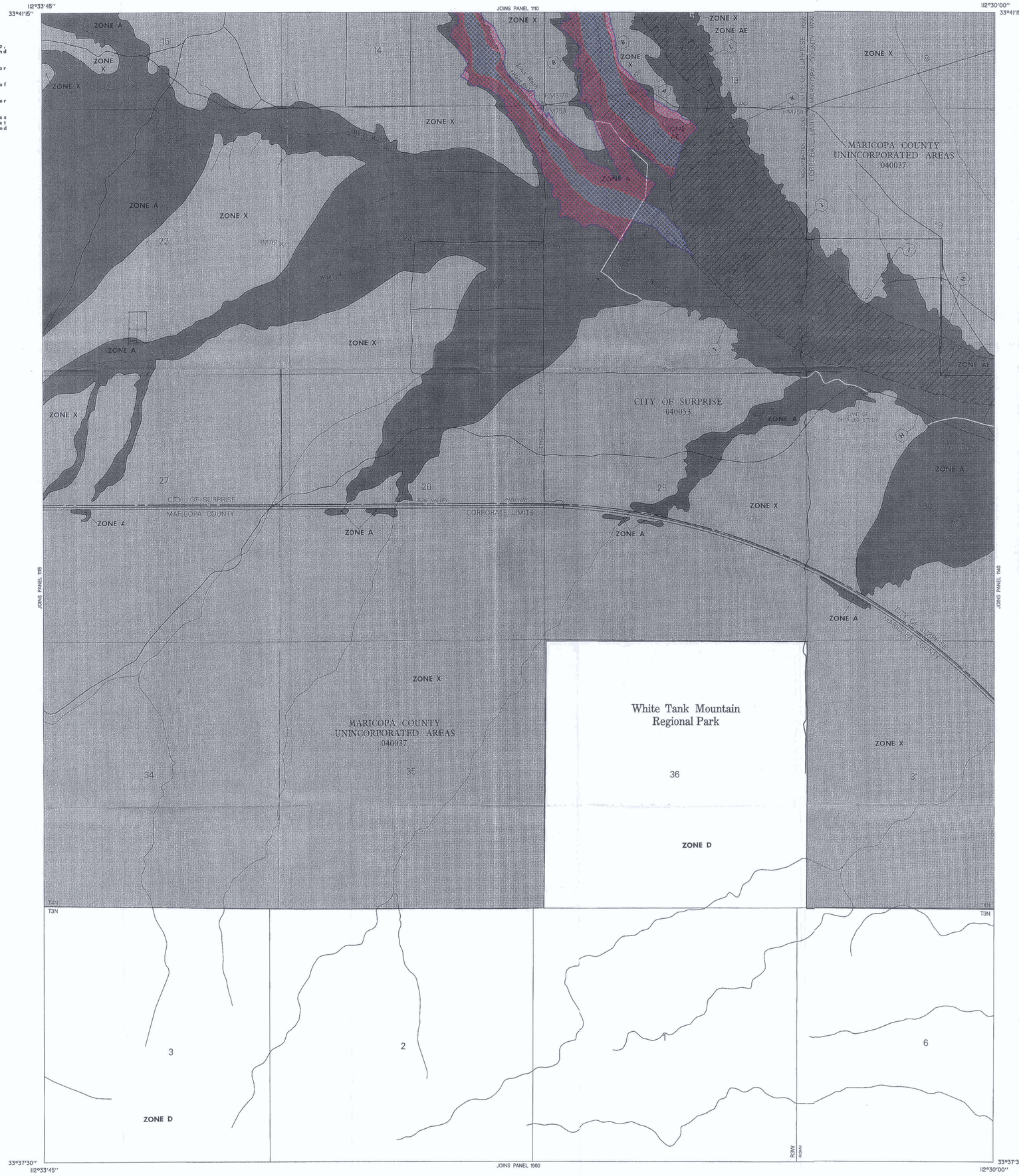
MAP NUMBER
04013C1110 G

MAP REVISED:
JULY 19, 2001

Federal Emergency Management Agency

ELEVATION REFERENCE MARKS

REFERENCE MARK	ELEVATION (FEET NGVD)	DESCRIPTION OF LOCATION
RM758	1459.30	Find set rebar with yellow cap, corner of sections 13, 18, 19, and 24.
RM759	1473.77	Brass cap in concrete, near sections 13, 14, 23, and 24.
RM760	1466.60	Find rebar, quarter corner of sections 23 and 24.
RM761	1509.51	Brass cap on top of pipe, quarter corner of sections 22 and 23.
NEW RM3170	1473.51	Top of Bureau of Reclamation Brass Cap located at the northwest corner of Deer Valley Road and 219th Avenue.



LEGEND

SPECIAL FLOOD HAZARD AREAS INUNDATED BY 100-YEAR FLOOD

ZONE A No base flood elevations determined.

ZONE AE Base flood elevations determined.

ZONE AH Flood depths of 1 to 3 feet (usually areas of ponding); base flood elevations determined.

ZONE AO Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.

ZONE A99 To be protected from 100-year flood by Federal flood protection system under construction ; no base flood elevations determined.

ZONE V Coastal flood with velocity hazard (wave action); no base flood elevations determined.

ZONE VE Coastal flood with velocity hazard (wave action); base flood elevations determined.

FLOODWAY AREAS IN ZONE AE

OTHER FLOOD AREAS

ZONE X Areas of 500-year flood; areas of 100-year flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 100-year flood.

OTHER AREAS

ZONE X Areas determined to be outside 500-year floodplain.

ZONE D Areas in which flood hazards are undetermined.

UNDEVELOPED COASTAL BARRIERS

Identified 1983 — Identified 1990 — Otherwise Protected Areas

Coastal barrier areas are normally located within or adjacent to Special Flood Hazard Areas.

Floodplain Boundary

Floodway Boundary

Zone D Boundary

Boundary Dividing Special Flood Hazard Zones, and Boundary Dividing Areas of Different Coastal Base Flood Elevations Within Special Flood Hazard Zones.

~~~513~~~ Base Flood Elevation Line; Elevation in Feet. See Map Index for Elevation Datum.

D — D Cross Section Line

(EL 987) Base Flood Elevation in Feet Where Uniform Within Zone. See Map Index for Elevation Datum.

RM7 × Elevation Reference Mark

• M2 River Mile

97°07'30", 32°22'30" Horizontal Coordinates Based on North American Datum of 1927 (NAD 27) Projection.

NOTES

This map is for use in administering the National Flood Insurance Program; it does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size, or all planimetric features outside Special Flood Hazard Areas. The community map repository should be consulted for more detailed data on BFE's, and for any information on floodway delineations, prior to use of this map for property purchase or construction purposes.

Areas of Special Flood Hazard (100-year flood) include Zones A, AE, A1-A30, AH, AO, A99, V, VE and V1-V30.

Certain areas not in Special Flood Hazard Areas may be protected by flood control structures.

Boundaries of the floodways were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the Federal Emergency Management Agency.

Floodway widths in some areas may be too narrow to show to scale. Refer to Floodway Data Table where floodway width is shown at 1/20 inch.

Corporate limits shown are current as of the date of this map. The user should contact appropriate community officials to determine if corporate limits have changed subsequent to the issuance of this map.

This map may incorporate approximate boundaries of Coastal Barrier Resource System Units and /or Otherwise Protected Areas established under the Coastal Barrier Improvement Act of 1990 (PL 101-591).

For community map revision history prior to countywide mapping, see Section 6.0 of the Flood Insurance Study Report.

For adjoining map panels and base map source see separately printed Map Index.

MAP REPOSITORY
Refer to Repository Listing on Map Index

EFFECTIVE DATE OF
COUNTYWIDE FLOOD INSURANCE RATE MAP:
APRIL 15, 1988

EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL:
SEPTEMBER 4, 1991, DECEMBER 3, 1993

Map revised July 19, 2001 to update corporate limits, to change base flood elevations, to add base flood elevations, to add Special Flood Hazard Areas, to change Special Flood Hazard Areas, to change zone designations, to update map format, to add roads and road names, and to incorporate previously issued Letters of Map Revision.

To determine if flood insurance is available, contact an insurance agent or call the National Flood Insurance Program at (800) 638-6620.

APPROXIMATE SCALE IN FEET
1000 0 1000

LEGEND

To obtain more detailed information in areas where Base Flood Elevations (BFEs)and /or floodways have been determined, users are encouraged to consult the Flood Profiles and Floodway Data tables contained within the Flood Insurance Study (FIS) report that accompanies this FIRM. Users should be aware that BFEs shown on the FIRM represent roundad whole-foot elevations and therefore may not exactly reflect the flood elevation data presented in the FIS. BFEs shown on the FIRM are intended for flood insurance rating purposes only and should not be used as the sole source of flood elevation information. Accordingly, flood elevation data presented in the FIS should be utilized in conjunction with the FIRM for purposes of construction and /or floodplain management.

ERM elevations listed on this map were obtained and/or developed to establish vertical control for determination of flood elevations and floodplain boundaries portrayel on this map. Users should be aware that these ERM elevations may have changed since the publication of this map. To obtain up-to-date elevation information on National Geodetic Survey (NGS) ERMs shown on this map, please contact the Information Services branch of the NGS at (301) 713-3242, or visit their website at www.ngs.noaa.gov. Map users should seek verification of non-NGS ERM monument elevations when using these elevations for coastruction or floodplain management purposes.

Coastal BFE's shown on this map may apply only landward of 0.0' NGVD. Users of this FIRM should be aware that coastal flood elevations are also provided in the Summary of Stillwater Elevations table in the Flood Insurance Study report for this community. Elevations shown in the Summary of Stillwater Elevations table should be used for construction, and / or floodplain management purposes when they are higher than the elevations shown on this FIRM.

MAP ROOM 1120G

NATIONAL FLOOD INSURANCE PROGRAM

FIRM
FLOOD INSURANCE RATE MAP

MARICOPA COUNTY, ARIZONA AND INCORPORATED AREAS

PANEL 1120 OF 4350
(SEE MAP INDEX FOR PANELS NOT PRINTED)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
MARICOPA COUNTY, UNINCORPORATED AREAS	040037	1120	G
SURPRISE, CITY OF	040053	1120	G

MAP NUMBER
04013C1120 G

MAP REVISED:
JULY 19, 2001

Federal Emergency Management Agency
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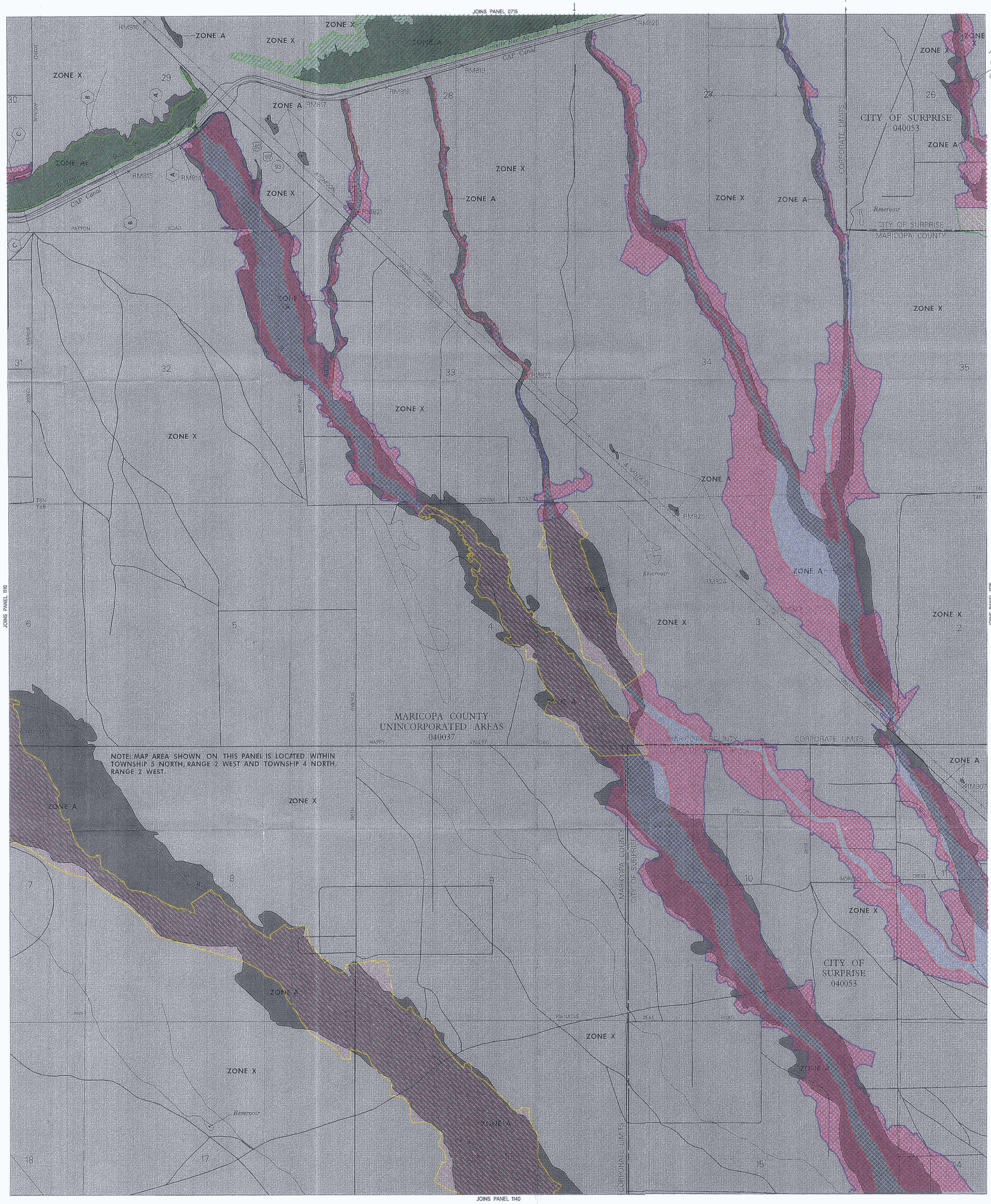
ELEVATION REFERENCE MARKS

REFERENCE MARK	ELEVATION (FEET NGVD)	DESCRIPTION OF LOCATION
RM814	1547.80	Brass disk at CAP station 801+77.63, 125 feet south of centerline on right-of-way.
RM815	1545.23	Brass disk at CAP station 790+99.52, 125 feet south of centerline on right-of-way.
RM816	1573.14	1574 (USGS) - 10.4 miles southwest along the Atchison, Topeka and Santa Fe Railroad from Hot Springs Junction, Maricopa County, 3 miles southeast of the siding at Wittmann, between the highway and the railroad and 60 feet southwest of the centerline of the track, a U.S. Geological Survey standard cap, stamped 1,574 PHNX and riveted on the top of a 3.5-inch iron pipe.
RM817	1544.09	Brass disk at CAP station 28+93.07, 125 feet south of centerline on right-of-way.
RM818	1540.34	Brass disk at CAP station 44+99.97, 125 feet south of centerline on right-of-way.
RM819	1538.87	Brass disk at CAP station 69+00.92, 125 feet south of centerline on right-of-way.
RM820	1540.57	Brass disk at CAP station 95+00.14, 125 feet south of centerline on right-of-way.
RM821	1544.54	RV 99 (AT&SFRR) - 7.9 miles northwest along the Atchison, Topeka and Santa Fe Railroad from Beardsley, Maricopa County, northwest of mile post 162, northeast of the track, at culvert 162, and in the top of the concrete headwall, a standard Monel-metal rivet.
RM822	1491.59	RV 98 (AT&SFRR) - 6.6 miles northwest along the Atchison, Topeka and Santa Fe Railroad from Beardsley, Maricopa County, northwest of mile post 163, at the southwest end of trestle A 163, on top of the shelf of the concrete wingwall and 12 feet southwest of the centerline of the track, a standard Monel-metal rivet.
RM823	1446.56	A 24 - 5.5 miles northwest along the Atchison, Topeka and Santa Fe Railroad from Beardsley, Maricopa County, 2 miles northwest of Mountain View, 250 feet west of mile post 164, between the highway and the railroad, 180 feet east of a highway culvert, and 60 feet southwest of the centerline of the track, a standard disk stamped A 24 1933 and set in the top of a concrete post (Note: this benchmark was used as RM2 for triangulation station Beardsley, recorded as described, dated 1956).
RM824	1450.75	1451 (USGS) - 5.4 miles northwest along the Atchison, Topeka and Santa Fe Railroad from Beardsley, Maricopa County, 0.25 mile northwest of mile post 164, between the highway and railroad, and 75 feet southwest of the centerline of the track, a U.S. Geological Survey standard cap stamped 1,451 PHNX and riveted on the top of a 3.5-inch iron pipe.
RM825	1464.21	RV 97 (AT&SFRR) - 5.8 miles northwest along the Atchison, Topeka and Santa Fe Railroad from Beardsley, Maricopa County, northeast of the track, at culvert B 164, and in the top of the concrete headwall, a standard Monel-metal rivet.
RM907	1411.73	RV 96 (AT&SFRR) - 4.4 miles northwest along the Atchison, Topeka and Santa Fe Railroad from Beardsley, Maricopa County, northeast of the track, at culvert C 165, and in the top of the concrete headwall, a standard Monel-metal rivet.



LEGEND

To obtain more detailed information in areas where Base Flood Elevations (BFEs)and /or floodways have been determined, users are encouraged to consult the Flood Profiles and Floodway Data tables contained within the Flood Insurance Study (FIS) report that accompanies this FIRM. Users should be aware that BFEs shown on the FIRM represent rounded whole-foot elevations and therefore may not exactly reflect the flood elevation data presented in the FIS. BFEs shown on the FIRM are intended for flood insurance rating purposes only and should not be used as the sole source of flood elevation information. Accordingly, flood elevation data presented in the FIS should be utilized in conjunction with the FIRM for purposes of construction and /or floodplain management.

ERM elevations listed on this map were obtained and/or developed to establish vertical control for determination of flood elevations and floodplain boundaries portrayed on this map. Users should be aware that these ERM elevations may have changed since the publication of this map. To obtain up-to-date elevaton information on National Geodetic Survey (NGS) ERMs shown on this map, please contact the Information Services Branch of the NGS at (301) 713-3242, or visit their website at www.ngs.noaa.gov. Map users should seek verification of non-NGS ERM monument elevations when using these elevations for construction or floodplain management purposes.

Coastal BFE's shown on this map may apply only landward of 0.0' NGVD. Users of this FIRM should be aware that coastal flood elevations are also provided in the Summary of Stillwater Elevations table in the Flood Insurance Study report for this community. Elevations shown in the Summary of Stillwater Elevations table should be used for construction, and /or floodplain management purposes when they are higher than the elevations shown on this FIRM.

LEGEND

SPECIAL FLOOD HAZARD AREAS INUNDATED BY 100-YEAR FLOOD

- **ZONE A** No base flood elevations determined.
- **ZONE AE** Base flood elevations determined.
- **ZONE AH** Flood depths of 1 to 3 feet (usually areas of ponding); base flood elevations determined.
- **ZONE AO** Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.
- **ZONE A99** To be protected from 100-year flood by Federal flood protection system under construction ; no base flood elevations determined.
- **ZONE V** Coastal flood with velocity hazard (wave action); no base flood elevations determined.
- **ZONE VE** Coastal flood with velocity hazard (wave action); base flood elevations determined.

FLOODWAY AREAS IN ZONE AE

OTHER FLOOD AREAS

- **ZONE X** Areas of 500-year flood; areas of 100-year flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 100-year flood.

OTHER AREAS

- **ZONE X** Areas determined to be outside 500-year floodplain.
- **ZONE D** Areas in which flood hazards are undetermined.

UNDEVELOPED COASTAL BARRIERS

Identified 1983 | Identified 1990 | Otherwise Protected Areas

Coastal barrier areas are normally located within or adjacent to Special Flood Hazard Areas.

- Floodplain Boundary
- Floodway Boundary
- Zone D Boundary
- Boundary Dividing Special Flood Hazard Zones, and Boundary Dividing Areas of Different Coastal Base Flood Elevations Within Special Flood Hazard Zones.
- ~~513~~ Base Flood Elevation Line: Elevation in Feet. See Map Index for Elevation Datum.
- (D)—(D) Cross Section Line
- (EL 987) Base Flood Elevation in Feet Where Uniform Within Zone. See Map Index for Elevation Datum.
- RM7 × Elevation Reference Mark
- ● M2 River Mile
- 97°07'30", 32°22'30" Horizontal Coordinates Based on North American Datum of 1927 (NAD 27) Projection.

NOTES

This map is for use in administering the National Flood Insurance Program; it does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size, or all planimetric features outside Special Flood Hazard Areas. The community map repository should be consulted for more detailed data on BFE's, and for any information on floodway delineations, prior to use of this map for property purchase or construction purposes.

Areas of Special Flood Hazard (100-year flood) include Zones A, AE, A1-A30, AH, AO, A99, V, VE and V1-V30.

Certain areas not in Special Flood Hazard Areas may be protected by flood control structures.

Boundaries of the floodways were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the Federal Emergency Management Agency.

Floodway widths in some areas may be too narrow to show to scale. Refer to Floodway Data Table where floodway width is shown at 1/20 inch.

Corporate limits shown are current as of the date of this map. The user should contact appropriate community officials to determine if corporate limits have changed subsequent to the issuance of this map.

This map may incorporate approximate boundaries of Coastal Barrier Resource System Units and /or Otherwise Protected Areas established under the Coastal Barrier Improvement Act of 1990 (PL 101-591).

For community map revision history prior to countywide mapping, see Section 6.0 of the Flood Insurance Study Report.

For adjoining map panels and base map source see separately printed Map Index.

MAP REPOSITORY
Refer to Repository Listing on Map Index

EFFECTIVE DATE OF
COUNTYWIDE FLOOD INSURANCE RATE MAP:
APRIL 15, 1988

EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL:
SEPTEMBER 4, 1991

Map revised July 19, 2001 to update corporate limits, to change base flood elevations, to add base flood elevations, to add Special Flood Hazard Areas, to change Special Flood Hazard Areas, to change zone designations, to update map format, to add roads and road names, and to incorporate previously issued Letters of Map Revision.

To determine if flood insurance is available, contact an insurance agent or call the National Flood Insurance Program at (800) 638-6620.

APPROXIMATE SCALE IN FEET
1000 0 1000

MAP ROOM 1130F

NATIONAL FLOOD INSURANCE PROGRAM

FIRM
FLOOD INSURANCE RATE MAP

MARICOPA COUNTY, ARIZONA AND INCORPORATED AREAS

PANEL 1130 OF 4350
(SEE MAP INDEX FOR PANELS NOT PRINTED)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
MARICOPA COUNTY, UNINCORPORATED AREAS	040037	1130	F
SURPRISE, CITY OF	040053	1130	F

MAP NUMBER 04013C1130 F

MAP REVISED: JULY 19, 2001

Federal Emergency Management Agency

ELEVATION REFERENCE MARKS

REFERENCE MARK	ELEVATION (FEET NGVD)	DESCRIPTION OF LOCATION
RM749	1360.89	Brass cap in concrete on top of McMicken Dam, stamped 240.
RM750	1361.25	Brass cap in concrete on top of McMicken Dam, stamped 265.
RM751	1327.53	Brass cap in top of concrete post, Beardsley Canal and Bell Road, stamped Q265.
RM752	1361.02	Brass cap in concrete on top of McMicken Dam, stamped 290.
RM753	1360.88	Brass cap in concrete on top of McMicken Dam, stamped 315.
RM754	1360.98	Brass cap in concrete on top of McMicken Dam, stamped 340.
RM755	1332.86	Brass cap in concrete headwall, Beardsley Canal and Union Hills Drive, stamped R265.
RM756	1361.09	Brass cap in concrete on top of McMicken Dam, stamped 365.
RM757	1440.03	Brass cap on top of pipe, corner of sections 24, 30, 31, and 32.

LEGEND

To obtain more detailed information in areas where Base Flood Elevations (BFEs)and /or floodways have been determined, users are encouraged to consult the Flood Profiles and Floodway Data tables contained within the Flood Insurance Study (FIS) report that accompanies this FIRM. Users should be aware that BFEs shown on the FIRM represent rounded whole-foot elevations and therefore may not exactly reflect the flood elevation data presented in the FIS. BFEs shown on the FIRM are intended for flood insurance rating purposes only and should not be used as the sole source of flood elevation information. Accordingly, flood elevation data presented in the FIS should be utilized in conjunction with the FIRM for purposes of construction and /or floodplain management.

ERM elevations listed on this map were obtained and/or developed to establish vertical control for determination of flood elevations and floodplain boundaries portrayed on this map. Users should be aware that these ERM elevations may have changed since the publication of this map. To obtain up-to-date elevation information on National Geodetic Survey (NGS) ERMs shown on this map, please contact the Information Services Branch of the NGS at (301) 713-3242, or visit their website at www.ngs.noaa.gov. Map users should seek verification of non-NGS ERM monument elevations when using these elevations for construction or floodplain management purposes.

Coastal BFE's shown on this map may apply only landward of 0.0' NGVD. Users of this FIRM should be aware that coastal flood elevations are also provided in the Summary of Stillwater Elevations table in the Flood Insurance Study report for this community. Elevations shown in the Summary of Stillwater Elevations table should be used for construction, and / or floodplain management purposes when they are higher than the elevations shown on this FIRM.

LEGEND

SPECIAL FLOOD HAZARD AREAS INUNDATED BY 100-YEAR FLOOD

ZONE A No base flood elevations determined.

ZONE AE Base flood elevations determined.

ZONE AH Flood depths of 1 to 3 feet (usually areas of ponding); base flood elevations determined.

ZONE AO Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.

ZONE A99 To be protected from 100-year flood by Federal flood protection system under construction ; no base flood elevations determined.

ZONE V Coastal flood with velocity hazard (wave action); no base flood elevations determined.

ZONE VE Coastal flood with velocity hazard (wave action); base flood elevations determined.

FLOODWAY AREAS IN ZONE AE

OTHER FLOOD AREAS

ZONE X Areas of 500-year flood; areas of 100-year flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 100-year flood.

OTHER AREAS

ZONE X Areas determined to be outside 500-year floodplain.

ZONE D Areas in which flood hazards are undetermined.

UNDEVELOPED COASTAL BARRIERS

Identified 1983 — Identified 1990 — Otherwise Protected Areas

Coastal barrier areas are normally located within or adjacent to Special Flood Hazard Areas.

Floodplain Boundary

Floodway Boundary

Zone D Boundary

Boundary Dividing Special Flood Hazard Zones, and Boundary Dividing Areas of Different Coastal Base Flood Elevations Within Special Flood Hazard Zones.

~~~513~~~ Base Flood Elevation Line; Elevation in Feet. See Map Index for Elevation Datum.

(D)———(D) Cross Section Line

(EL 987) Base Flood Elevation in Feet Where Uniform Within Zone. See Map Index for Elevation Datum.

RM7 × Elevation Reference Mark

● M2 River Mile

97°07'30", 32°22'30" Horizontal Coordinates Based on North American Datum of 1927 (NAD 27) Projection.

NOTES

This map is for use in administering the National Flood Insurance Program; It does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size, or all planimetric features outside Special Flood Hazard Areas. The community map repository should be consulted for more detailed data on BFE's, and for any information on floodway delineations, prior to use of this map for property purchase or construction purposes.

Areas of Special Flood Hazard (100-year flood) include Zones A, AE, A1-A30, AH, AO, A99, V, VE and V1-V30.

Certain areas not in Special Flood Hazard Areas may be protected by flood control structures.

Boundaries of the floodways were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the Federal Emergency Management Agency.

Floodway widths in some areas may be too narrow to show to scale. Refer to Floodway Data Table where floodway width is shown at 1/20 inch.

Corporate limits shown are current as of the date of this map. The user should contact appropriate community officials to determine if corporate limits have changed subsequent to the issuance of this map.

This map may incorporate approximate boundaries of Coastal Barrier Resource System Units and /or Otherwise Protected Areas established under the Coastal Barrier Improvement Act of 1990 (PL 101-591).

For community map revision history prior to countywide mapping, see Section 6.0 of the Flood Insurance Study Report.

For adjoining map panels and base map source see separately printed Map Index.

MAP REPOSITORY
Refer to Repository Listing on Map Index

EFFECTIVE DATE OF
COUNTYWIDE FLOOD INSURANCE RATE MAP:
APRIL 15, 1988

EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL:
SEPTEMBER 4, 1991, DECEMBER 3, 1993

Map revised July 19, 2001 to update corporate limits, to change base flood elevations, to add base flood elevations, to add Special Flood Hazard Areas, to change Special Flood Hazard Areas, to change zone designations, to update map format, to add roads and road names, and to incorporate previously issued Letters of Map Revision.

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APPROXIMATE SCALE IN FEET
1000 0 1000

MAP ROOM 1140G

NATIONAL FLOOD INSURANCE PROGRAM

FIRM
FLOOD INSURANCE RATE MAP

MARICOPA COUNTY, ARIZONA AND INCORPORATED AREAS

PANEL 1140 OF 4350
(SEE MAP INDEX FOR PANELS NOT PRINTED)

CONTAINS: COMMUNITY	NUMBER	PANEL	SUFFIX
MARICOPA COUNTY, UNINCORPORATED AREAS	040037	1140	G
SURPRISE, CITY OF	040053	1140	G

MAP NUMBER
04013C1140 G

MAP REVISED:
JULY 19, 2001

Federal Emergency Management Agency
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ELEVATION REFERENCE MARKS

REFERENCE MARK	ELEVATION (FEET NGVD)	DESCRIPTION OF LOCATION
RM872	1360.83	Brass cap in concrete on top of McMicken Dam, stamped 390.
RM873	1361.16	Brass cap in concrete on top of McMicken Dam, stamped 415.
RM874	1361.57	Brass cap in concrete on top of McMicken Dam, stamped 440.
RM875	1334.41	-inch copper-coated rod encased in a 5-inch iron pipe, Beardsley Canal at Cotton Lane, stamped L366.
RM876	1361.25	Brass cap in concrete on top of McMicken Dam, stamped 465.
RM877	1361.21	Brass cap in concrete on top of McMicken Dam, stamped 490.
RM878	1361.45	Brass cap in concrete on top of McMicken Dam, stamped 500.
RM879	1339.78	Brass cap set in the top of the east end of the south wall of the concrete spillway at the McMicken Dam outlet structure, stamped H366.
RM880	1338.96	Approximately 7 miles northwest along U.S. Highways 60, 70, and 89 and State Highway 93 from the post office at El Mirage, in section 13, T4N, R2W, 67 yards west of the center of the intersection of U.S. Highways 60, 70, and 89, State Highway 93, and Canal Road, 95.5 feet southwest of the centerline of the highways, 130 feet west of the northwest end of the southwest concrete headwall of a culvert under the highways, 18.5 feet southeast of a power pole braced by a guy wire, 1.7 feet northeast of a metal witness post, approximately 1.5 feet below the level of the highways, and on the top of a - inch copper-coated rod driven to a depth of 18 feet and encased in a 5-inch iron pipe that projects 8 inches.
RM2085	1288.86	Brass cap in handhole, centerline intersection Reems and Beardsley Roads, southeast corner section 19, T4N, R1W.
RM2086	1264.34	Brass cap in handhole, centerline intersection Reems Road and Union Hills Drive, southeast corner section 30, T4N, R1W.
RM2087	1246.20	Brass cap in handhole, centerline intersection Reems and Bell Roads, southeast corner section 31, T4N, R1W.

LEGEND

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LEGEND

SPECIAL FLOOD HAZARD AREAS INUNDATED BY 100-YEAR FLOOD

ZONE A No base flood elevations determined.

ZONE AE Base flood elevations determined.

ZONE AH Flood depths of 1 to 3 feet (usually areas of ponding); base flood elevations determined.

ZONE AO Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.

ZONE A99 To be protected from 100-year flood by Federal flood protection system under construction ; no base flood elevations determined.

ZONE V Coastal flood with velocity hazard (wave action); no base flood elevations determined.

ZONE VE Coastal flood with velocity hazard (wave action); base flood elevations determined.

FLOODWAY AREAS IN ZONE AE

OTHER FLOOD AREAS

ZONE X Areas of 500-year flood; areas of 100-year flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 100-year flood.

OTHER AREAS

ZONE X Areas determined to be outside 500-year floodplain.

ZONE D Areas in which flood hazards are undetermined.

UNDEVELOPED COASTAL BARRIERS

Identified 1983 | Identified 1990 | Otherwise Protected Areas

Coastal barrier areas are normally located within or adjacent to Special Flood Hazard Areas.

Floodplain Boundary

Floodway Boundary

Zone D Boundary

Boundary Dividing Special Flood Hazard Zones, and Boundary Dividing Areas of Different Coastal Base Flood Elevations Within Special Flood Hazard Zones.

513 — Base Flood Elevation Line; Elevation in Feet. See Map Index for Elevation Datum.

D — D — Cross Section Line

(EL 987) — Base Flood Elevation in Feet Where Uniform Within Zone. See Map Index for Elevation Datum.

RM7 × — Elevation Reference Mark

● M2 — River Mile

97°07'30", 32°22'30" — Horizontal Coordinates Based on North American Datum of 1927 (NAD 27) Projection.

NOTES

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Boundaries of the floodways were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the Federal Emergency Management Agency.

Floodway widths in some areas may be too narrow to show to scale. Refer to Floodway Data Table where floodway width is shown at V20 inch.

Corporate limits shown are current as of the date of this map. The user should contact appropriate community officials to determine if corporate limits have changed subsequent to the issuance of this map.

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For community map revision history prior to countywide mapping, see Section 6.0 of the Flood Insurance Study Report.

For adjoining map panels and base map source see separately printed Map Index.

MAP REPOSITORY
Refer to Repository Listing on Map Index

EFFECTIVE DATE OF
COUNTYWIDE FLOOD INSURANCE RATE MAP:
APRIL 15, 1988

EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL:
SEPTEMBER 4, 1991 SEPTEMBER 30, 1995

Map revised July 19, 2001 to update corporate limits, to change base flood elevations, to add base flood elevations, to add Special Flood Hazard Areas, to change Special Flood Hazard Areas, to change zone designations, to update map format, to add roads and road names, and to *incorporate previously issued Letters of Map Revision.*

To determine if flood insurance is available, contact an insurance agent or call the National Flood Insurance Program at (800) 638-6620.

APPROXIMATE SCALE IN FEET
1000 0 1000

MAP ROOM 1145 G

NATIONAL FLOOD INSURANCE PROGRAM

FIRM
FLOOD INSURANCE RATE MAP

MARICOPA COUNTY, ARIZONA AND INCORPORATED AREAS

PANEL 1145 OF 4350
(SEE MAP INDEX FOR PANELS NOT PRINTED)

CONTAINS: COMMUNITY	NUMBER	PANEL	SUFFIX
MARICOPA COUNTY: UNINCORPORATED AREAS	040037	1145	G
SURPRISE, CITY OF	040053	1145	G

MAP NUMBER 04013C1145 G

MAP REVISED: JULY 19, 2001

Federal Emergency Management Agency

ELEVATION REFERENCE MARKS

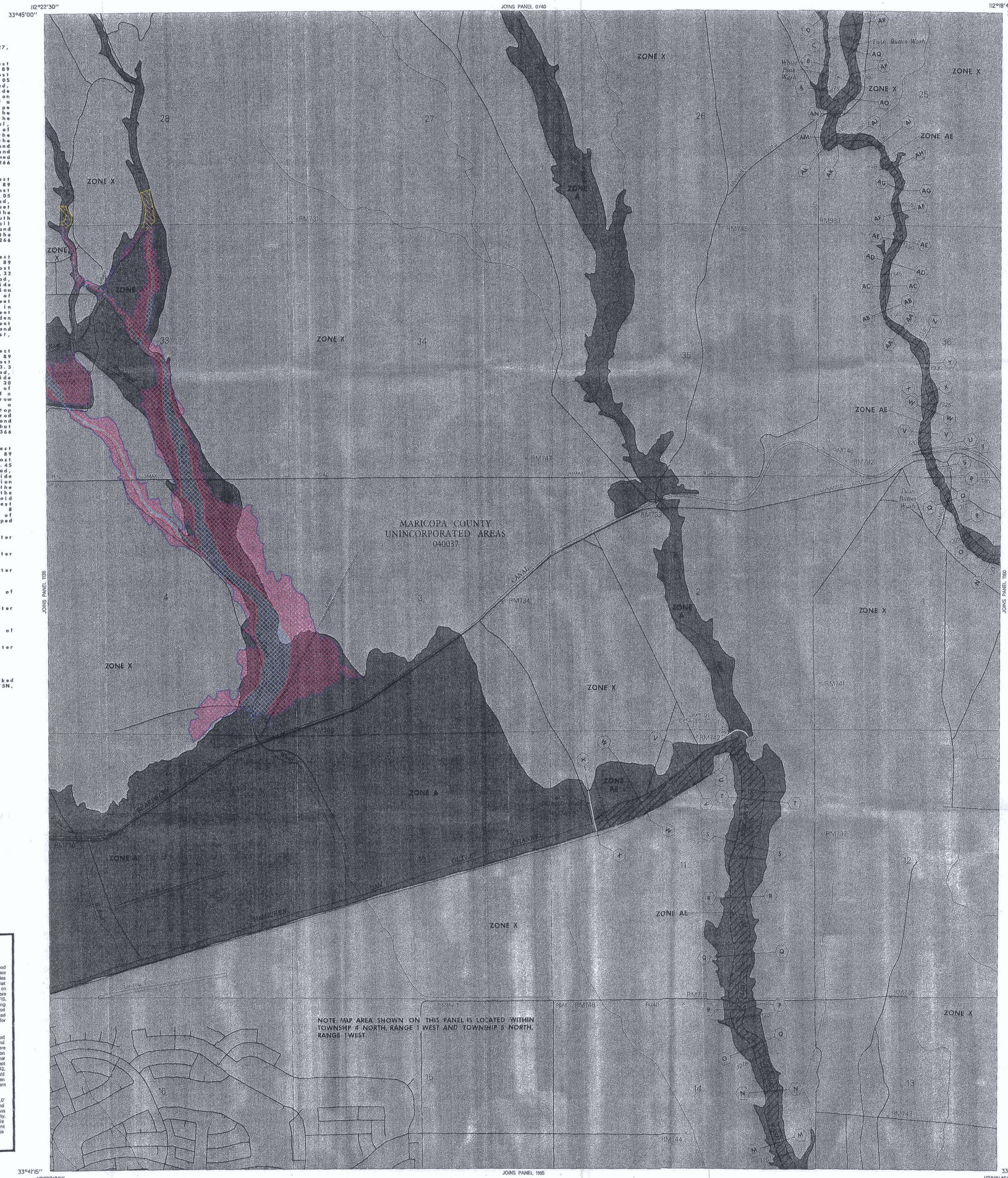
REFERENCE MARK	ELEVATION (FEET NGVD)	DESCRIPTION OF LOCATION
RM731	1446.38	Brass disk, corner of sections 27, 28, 33, and 34.
RM732	1346.17	Approximately 7 miles northwest along U.S. Highways 60, 70, and 89 and State Highway 93 from the post office at El Mirage, thence 6.05 miles northeast along Canal Road, which parallels the southeast side of the Beardsley Canal, in section 36, T5N, R1W, on the west bank of a wash crossed by a large metal pipe aqueduct, 36 feet southwest of the junction of the aqueduct and the west concrete funnel in the canal, 150 feet north of the centerline of the road, set in the top of the west end of a short wingwall on the southeast side of the funnel, and at the junction of the concrete and rock canal lining and formed concrete funnel, stamped J 266 1948.
RM733	1344.17	Approximately 7 miles northwest along U.S. Highways 60, 70, and 89 and State Highway 93 from the post office at El Mirage, thence 5.05 miles northeast along Canal Road, in section 2, T4N, R1W, 115 feet north of the centerline of the road, set in the top of the south end of the west concrete headwall of a concrete siphon, and approximately 12 feet above the level of the wash, stamped B 266 1948.
RM734	1340.15	Approximately 7 miles northwest along U.S. Highways 60, 70, and 89 and State Highway 93 from the post office at El Mirage, thence 4.32 miles northeast along Canal Road, which parallels the southeast side of the Beardsley Canal, in section 3, T4N, R1W, 31 feet southeast of the centerline of the road, 3 feet northeast of a telephone pole, in line with a row of poles, 2.6 feet southwest of a 4- by 4-foot wooden witness post, approximately 3 feet below the level of the road, and set in the top of a concrete post, stamped A 266 1948.
RM735	1339.73	Approximately 7 miles northwest along U.S. Highways 60, 70, and 89 and State Highway 93 from the post office at El Mirage, thence 3.3 miles northeast along Canal Road, which parallels the southeast side of the centerline of a wash, 30 feet southeast of the centerline of the road, 10 feet southwest of a telephone pole, in line with a row of poles, 1.4 feet northeast of a metal witness post, and on the top of a -inch copper-coated rod driven to a depth of 8 feet and encased in a 5-inch iron pipe that projects 12 inches, stamped O 366 1967.
RM736	1340.76	Approximately 7 miles northwest along U.S. Highways 60, 70, and 89 and State Highway 93 from the post office at El Mirage, thence 2.45 miles northeast along Canal Road, which parallels the southeast side of the Beardsley Canal, in section 9, T4N, R1W, 120 feet north of the centerline of the road, set in the top of a 45x angle in the old concrete retaining wall at the west end of a concrete siphon, and 8 feet southwest of the south end of the headwall of the siphon, stamped W 265 1948.
RM737	1306.48	Rebar at PP-1024 near quarter corner of sections 11 and 12.
RM738	1289.97	Rebar at PP-1016 near quarter corner of sections 12 and 13.
RM739	1288.17	Rebar at PP-1017 near quarter corner of sections 11 and 14.
RM740	1311.92	Rebar at PP-1003.
RM741	1323.74	Rebar at PP-1015 near corner of sections 1, 2, 11, and 12.
RM742	1314.21	Rebar at PP-1004, near quarter corner of sections 2 and 11.
RM743	1280.29	Rebar at PP-1025.
RM744	1271.98	Rebar at PP-1026 near center of section 14.
RM745	1384.10	Rebar at PP-1504 near quarter corner of sections 26 and 35.
RM746	1347.02	Rebar at PP-1005.
RM747	1437.60	Rebar at PP-1006.
RM748	1292.84	Rebar at PP-1002.
RM983	1378.41	Found GLO brass cap marked northeast corner section 35, T5N, R1W.

LEGEND

To obtain more detailed information in areas where Base Flood Elevations (BFEs)and /or floodways have been determined, users are encouraged to consult the Flood Profiles and Floodway Data tables contained within the Flood Insurance Study (FIS) report that accompanies this FIRM. Users should be aware that BFEs shown on the FIRM represent rounded whole-foot elevations and therefore may not exactly reflect the flood elevation data presented in the FIS. BFEs shown on the FIRM are intended for flood insurance rating purposes only and should not be used as the sole source of flood elevation information. Accordingly, flood elevation data presented in the FIS should be utilized in conjunction with the FIRM for purposes of construction and /or floodplain management.

ERM elevations listed on this map were obtained and/or developed to establish vertical control for determination of flood elevations and floodplain boundaries portrayed on this map. Users should be aware that these ERM elevations may have changed since the publication of this map. To obtain up-to-date elevation information on National Geodetic Survey (NGS) ERMs shown on this map, please contact the Information Services Branch of the NGS at (301) 713-3242, or visit their website at www.ngs.noaa.gov. Map users should seek verification of non-NGS ERM monument elevations when using these elevations for construction or floodplain management purposes.

Coastal BFE's shown on this map may apply only landward of 0.0' NGVD. Users of this FIRM should be aware that coastal flood elevations are also provided in the Summary of Stillwater Elevations table in the Flood Insurance Study report for this community. Elevations shown in the Summary of Stillwater Elevations table should be used for construction, and /or floodplain management purposes when they are higher than the elevations shown on this FIRM.



LEGEND

SPECIAL FLOOD HAZARD AREAS INUNDATED BY 100-YEAR FLOOD

ZONE A No base flood elevations determined.

ZONE AE Base flood elevations determined.

ZONE AH Flood depths of 1 to 3 feet (usually areas of ponding); base flood elevations determined.

ZONE AO Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.

ZONE A99 To be protected from 100-year flood by Federal flood protection system under construction ; no base flood elevations determined.

ZONE V Coastal flood with velocity hazard (wave action); no base flood elevations determined.

ZONE VE Coastal flood with velocity hazard (wave action); base flood elevations determined.

FLOODWAY AREAS IN ZONE AE

OTHER FLOOD AREAS

ZONE X Areas of 500-year flood; areas of 100-year flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 100-year flood.

OTHER AREAS

ZONE X Areas determined to be outside 500-year floodplain.

ZONE D Areas in which flood hazards are undetermined.

UNDEVELOPED COASTAL BARRIERS

Identified 1983 | Identified 1990 | Otherwise Protected Areas

Coastal barrier areas are normally located within or adjacent to Special Flood Hazard Areas.

Floodplain Boundary

Floodway Boundary

Zone D Boundary

Boundary Dividing Special Flood Hazard Zones, and Boundary Dividing Areas of Different Coastal Base Flood Elevations Within Special Flood Hazard Zones.

~~~513~~~ Base Flood Elevation Line; Elevation in Feet. See Map Index for Elevation Datum.

(D)——(D) Cross Section Line

(EL 987) Base Flood Elevation in Feet Where Uniform Within Zone. See Map Index for Elevation Datum.

RM7 × Elevation Reference Mark

• M2 River Mile

97°07'30", 32°22'30" Horizontal Coordinates Based on North American Datum of 1927 (NAD 27) Projection.

NOTES

This map is for use in administering the National Flood Insurance Program; it does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size, or all planimetric features outside Special Flood Hazard Areas. The community map repository should be consulted for more detailed data on BFEs, and for any information on floodway delineations, prior to use of this map for property purchase or construction purposes.

Areas of Special Flood Hazard (100-year flood) include Zones A, AE, A1-A30, AH, AO, A99, V, VE and V1-V30.

Certain areas not in Special Flood Hazard Areas may be protected by flood control structures.

Boundaries of the floodways were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the Federal Emergency Management Agency.

Floodway widths in some areas may be too narrow to show to scale. Refer to Floodway Data Table where floodway width is shown at 120 inch.

Corporate limits shown are current as of the date of this map. The user should contact appropriate community officials to determine if corporate limits have changed subsequent to the issuance of this map.

This map may incorporate approximate boundaries of Coastal Barrier Resource System Units and /or Otherwise Protected Areas established under the Coastal Barrier Improvement Act of 1990 (PL 101-591).

For community map revision history prior to countywide mapping, see Section 6.0 of the Flood Insurance Study Report.

For adjoining map panels and base map source see separately printed Map Index.

MAP REPOSITORY
Refer to Repository Listing on Map Index

EFFECTIVE DATE OF
COUNTYWIDE FLOOD INSURANCE RATE MAP:
APRIL 15, 1988

EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL:
SEPTEMBER 4, 1991, DECEMBER 3, 1993

Map revised July 19, 2001 to update corporate limits, to change base flood elevations, to add base flood elevations, to add Special Flood Hazard Areas, to change Special Flood Hazard Areas, to change zone designations, to update map format, to add roads and road names, and to incorporate previously issued Letters of Map Revision.

To determine if flood insurance is available, contact an insurance agent or call the National Flood Insurance Program at (800) 638-6620.

APPROXIMATE SCALE IN FEET
1000 0 1000

NATIONAL FLOOD INSURANCE PROGRAM

FIRM
FLOOD INSURANCE RATE MAP

MARICOPA COUNTY, ARIZONA AND INCORPORATED AREAS

PANEL 1155 OF 4350
(SEE MAP INDEX FOR PANELS NOT PRINTED)

CONTAINS: COMMUNITY	NUMBER	PANEL	SUFFIX
MARICOPA COUNTY, UNINCORPORATED AREAS	040037	1155	G

MAP NUMBER
04013C1155 G

MAP REVISED:
JULY 19, 2001

Federal Emergency Management Agency
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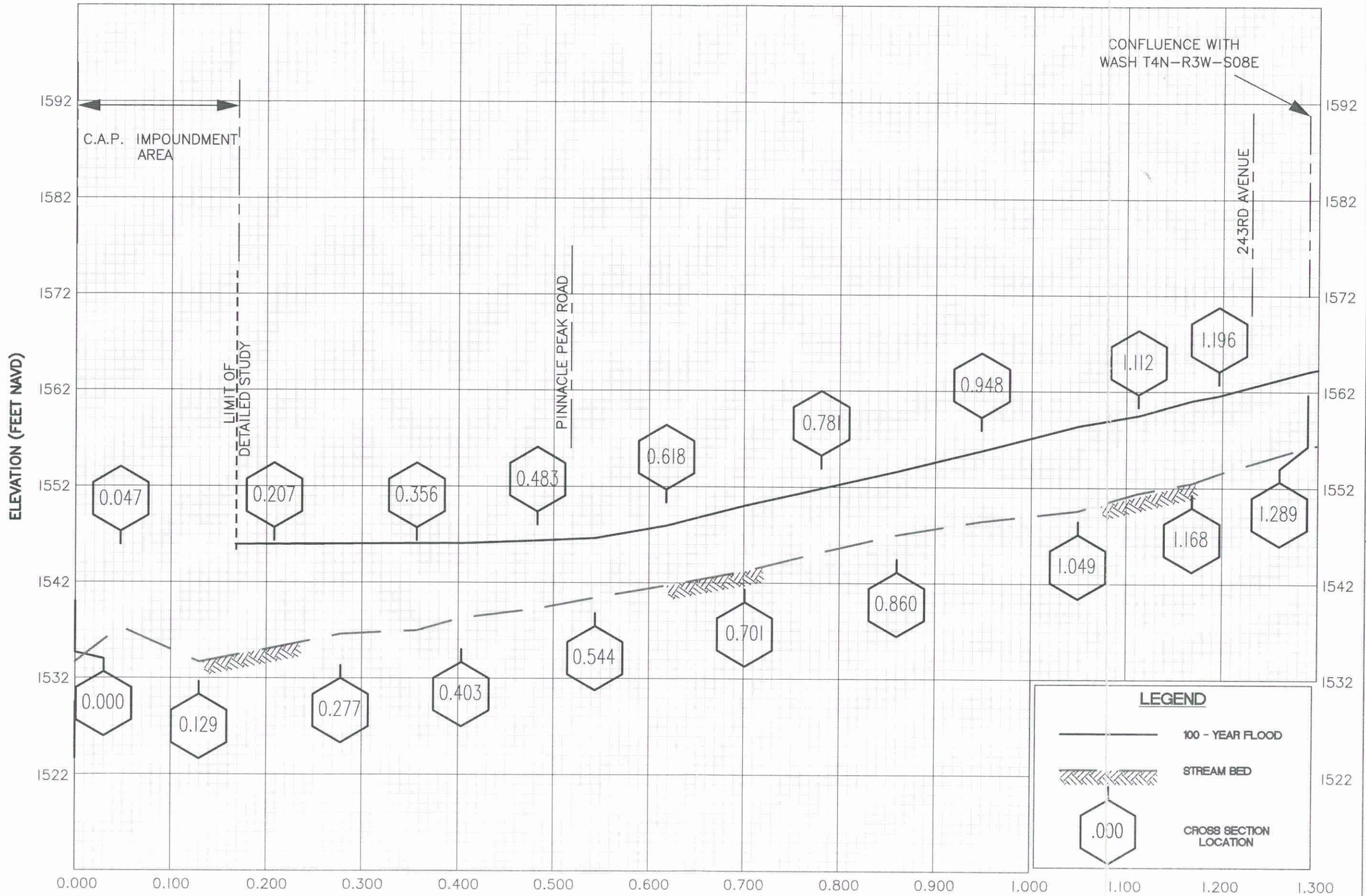
7.4 Flood Profiles

The flood profiles are included in the following pages.

List of Washes

1. WASH 3 WEST
2. T4N-R3W-S08E
3. T5N-R3W-S19
4. IONA WASH
5. IONA WASH (NORTH)
6. IONA NORTH WEST SPLIT-1
7. IONA EAST SPLIT-1
8. IONA EAST SPLIT-2
9. TRILBY WASH
10. CIRCLE CITY AREA WASH 1
11. WASH 2 WEST (NORTH OF CAP)
12. 2 WEST TRIBUTARY-1
13. 2 WEST TRIBUTARY-2
14. WITTMANN WASH
15. WITTMANN WASH (NORTH SPLIT)
16. WITTMANN WASH (SOUTH SPLIT)
17. WITTMANN TRIBUTARY
18. T5N-R3W-S24E
19. T5N-R2W-S19E
20. T5N-R2W-S19W
21. T5N-R3W-S01S
22. T5N-R2W-S07
23. WASH 2 EAST (NORTH OF CAP)
24. 2 EAST TRIBUTARY
25. WASH 7 EAST
26. 7 EAST TRIBUTARY
27. IONA EAST (SOUTH OF CAP)
28. IONA WEST (SOUTH OF CAP)
29. WASH 2 WEST (SOUTH OF CAP)
30. WASH 1 WEST
31. WASH 1 EAST
32. WASH 2 EAST (SOUTH OF CAP) and 2 EAST DIKE FAILURE
33. WASH 3 EAST
34. WASH 4 EAST and 4 EAST DIKE FAILURE
35. WASH 5 EAST
36. WASH 6 EAST
37. 6 EAST SOUTH
38. 7 EAST-EAST SPLIT
39. 7 EAST-WEST SPLIT
40. WASH 8 EAST
41. WASH 9 EAST
42. 9 EAST SPLIT
43. WASH 10 EAST
44. 10 EAST (EAST SPLIT-1)
45. 10 EAST (EAST SPLIT-2)
46. WASH 11 EAST (PADELFORD WASH) and 11 EAST DIKE FAILURE
47. BONITA DIKE CHANNEL
48. WASH 12 EAST
49. 12 EAST SPLIT
50. WASH 13 EAST
51. WASH 14 EAST



FLOOD PROFILES

3 WEST

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU
FLOOD DELINEATION STUDY

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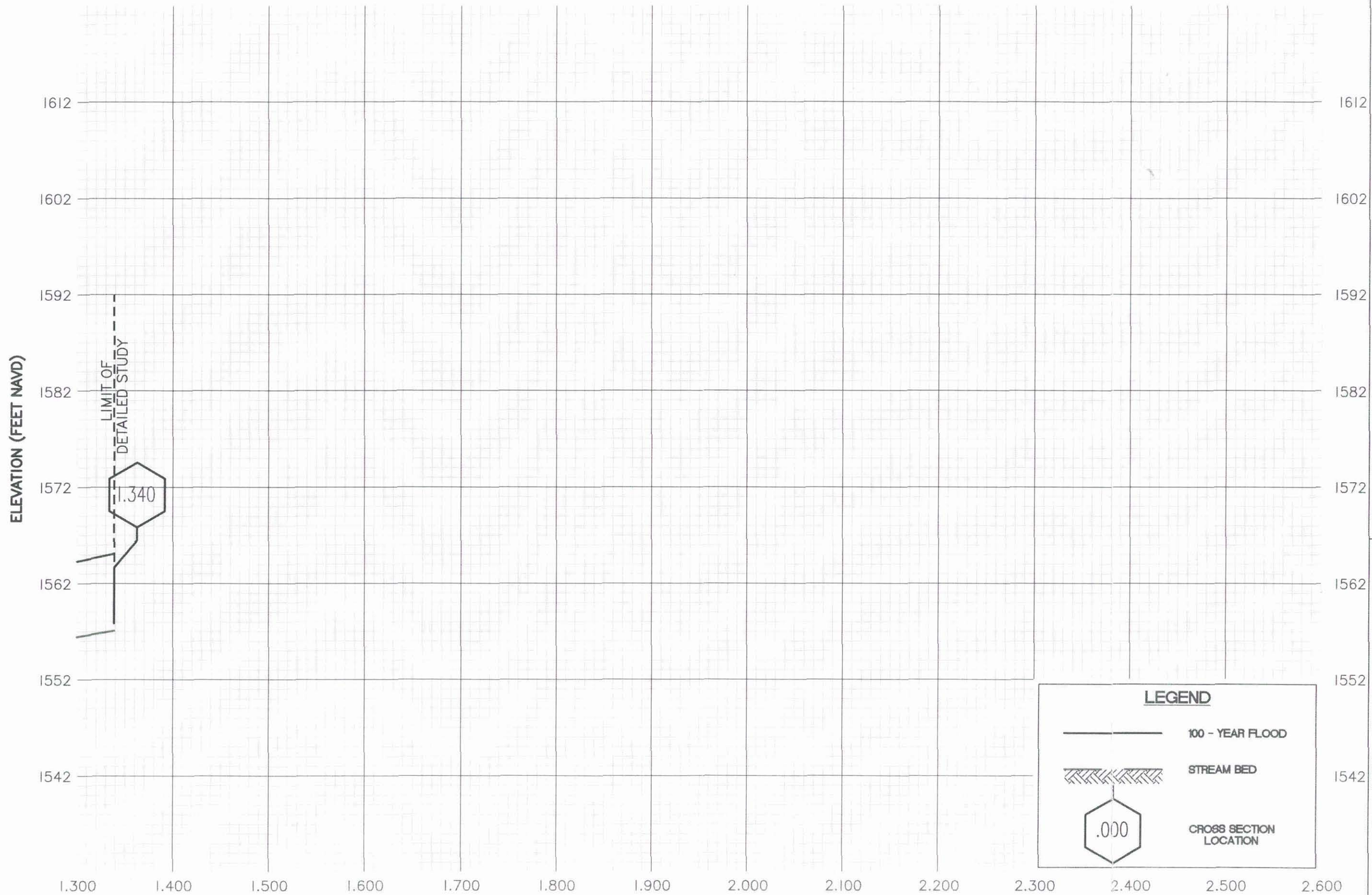

FLOOD PROFILES

3 WEST

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

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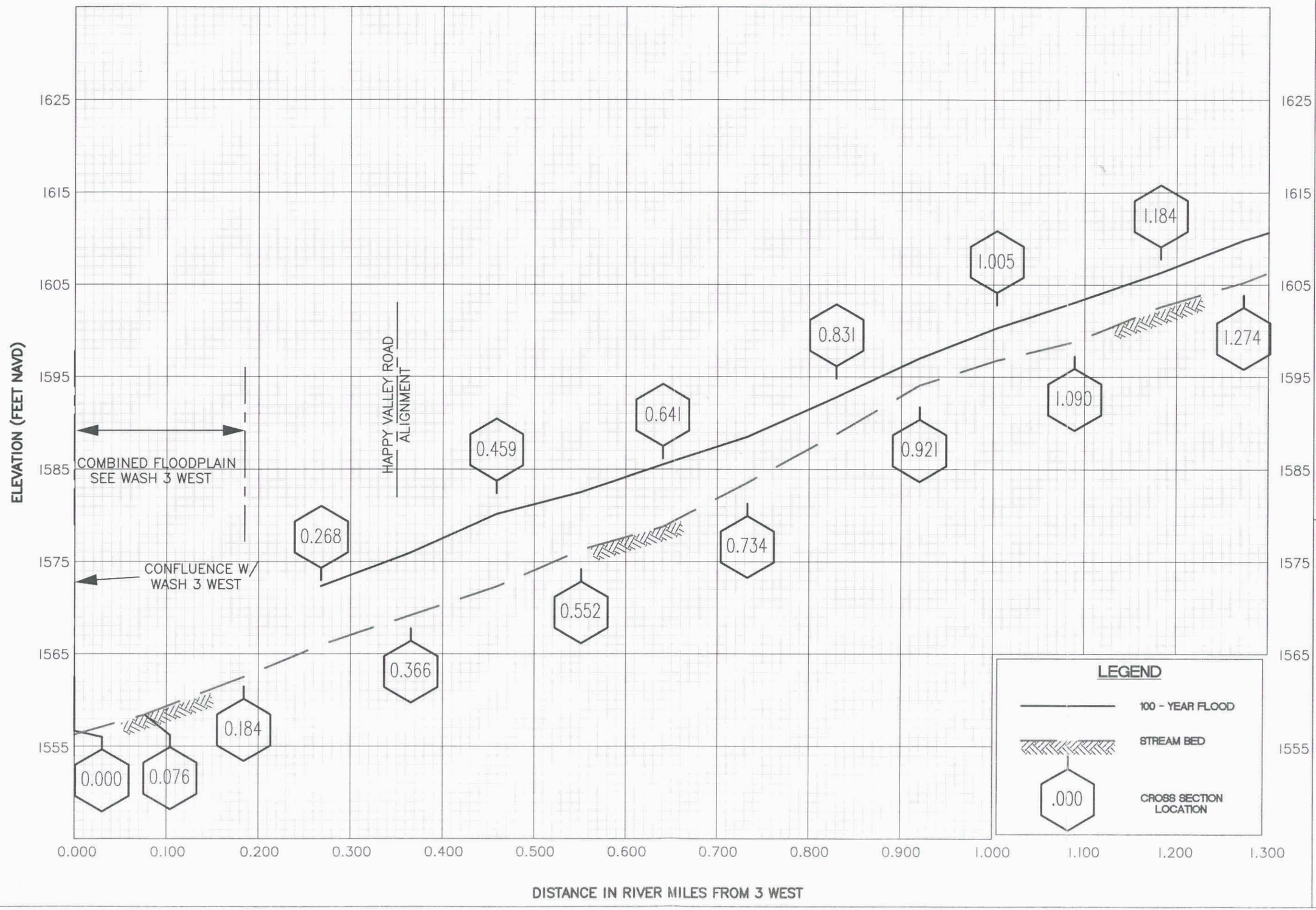

FLOOD PROFILES

T4N-R3W-S08E

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU

FLOOD DELINEATION STUDY

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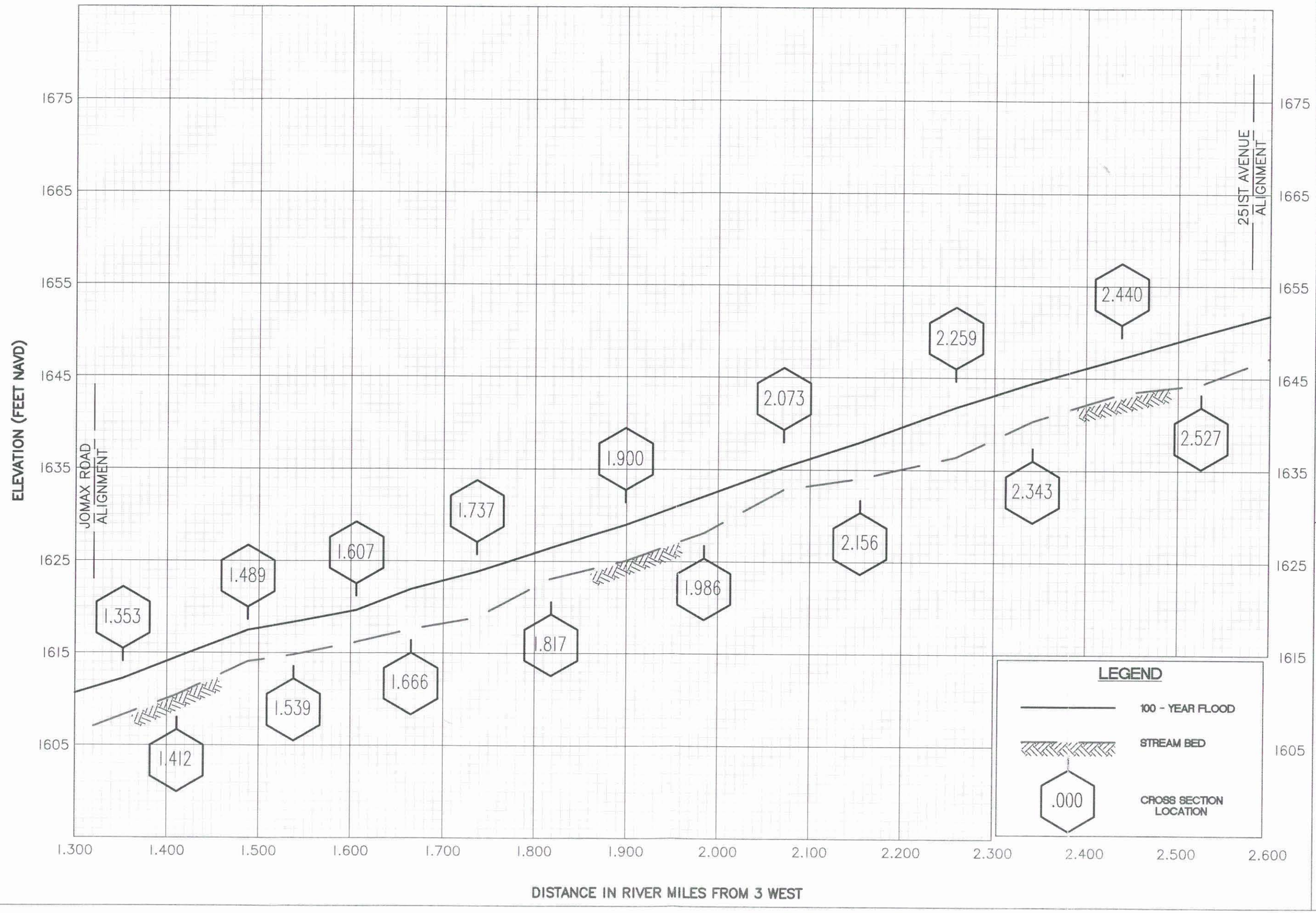

FLOOD PROFILES

T4N-R3W-S08E

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

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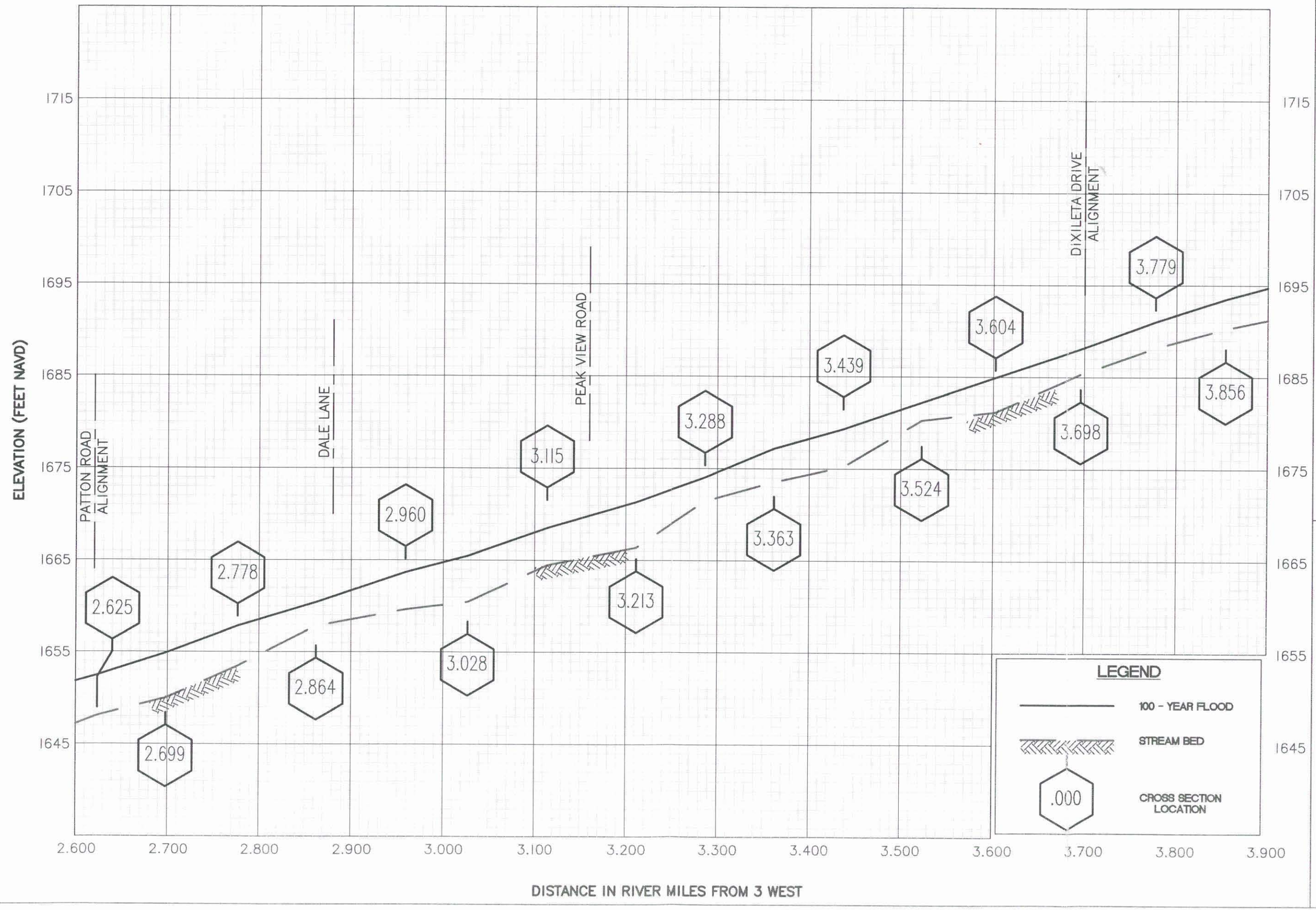

FLOOD PROFILES

T4N-R3W-S08E

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

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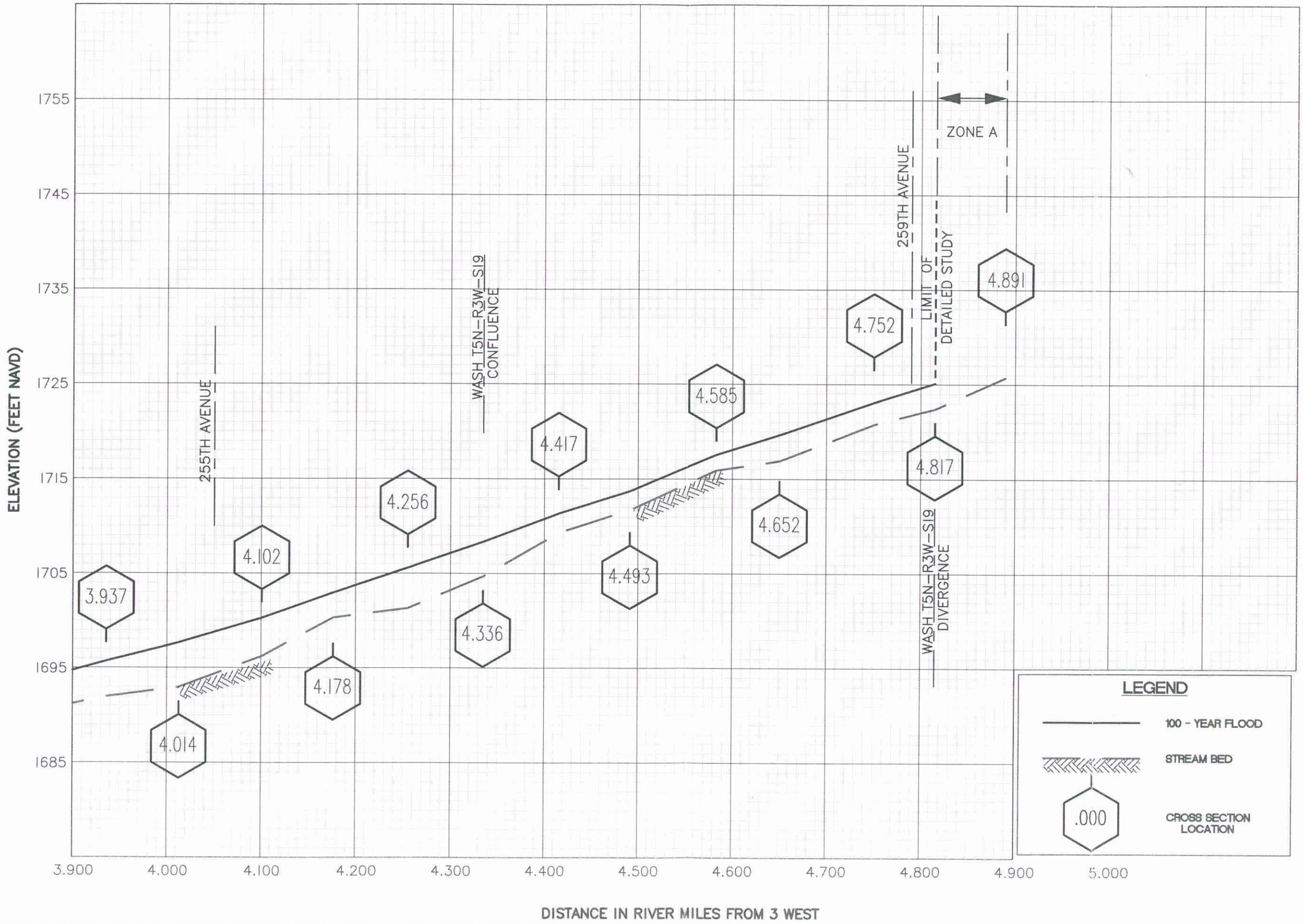

FLOOD PROFILES

T4N-R3W-S08E

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

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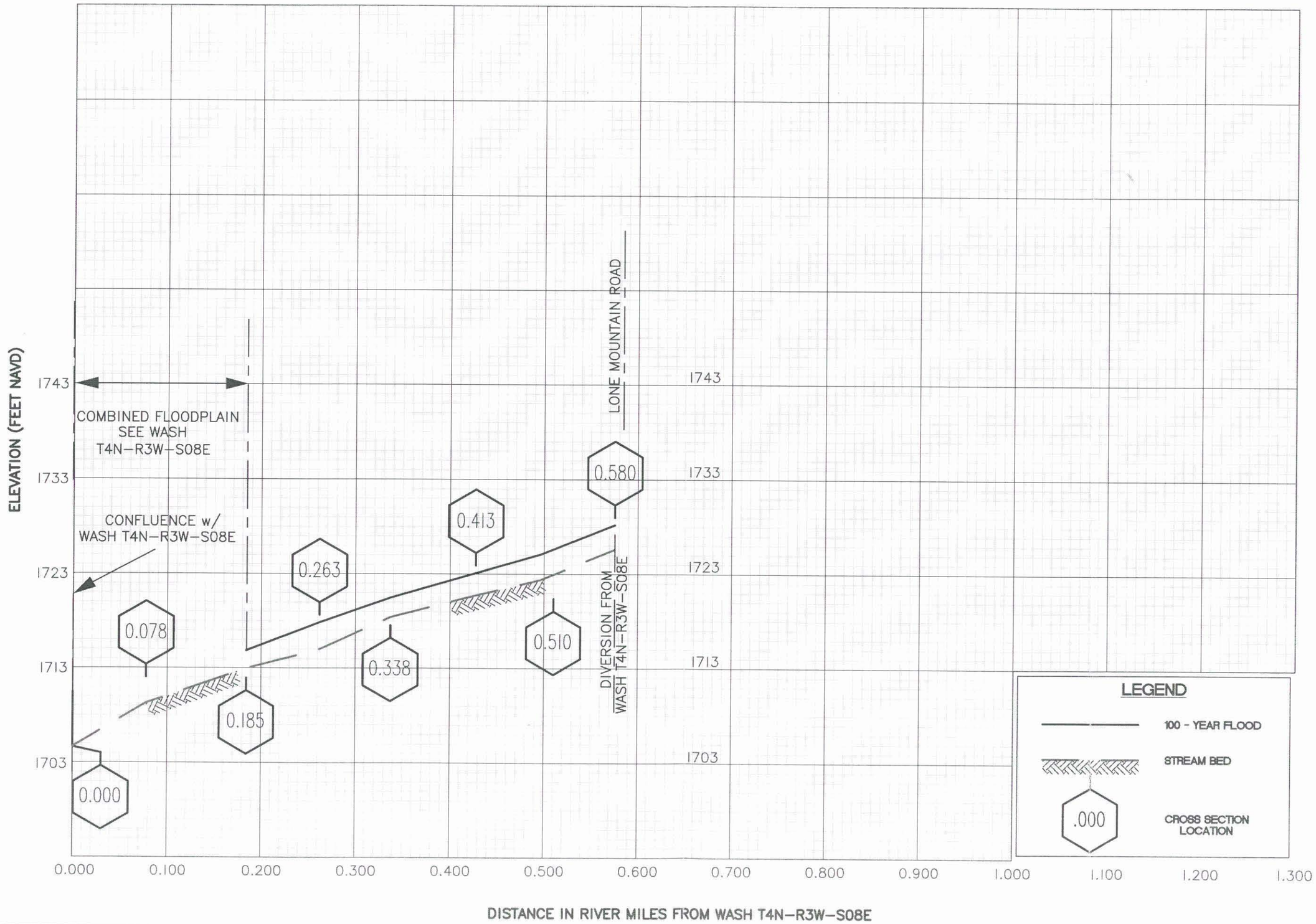

FLOOD PROFILES

T5N-R3W-S19

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU
FLOOD DELINEATION STUDY

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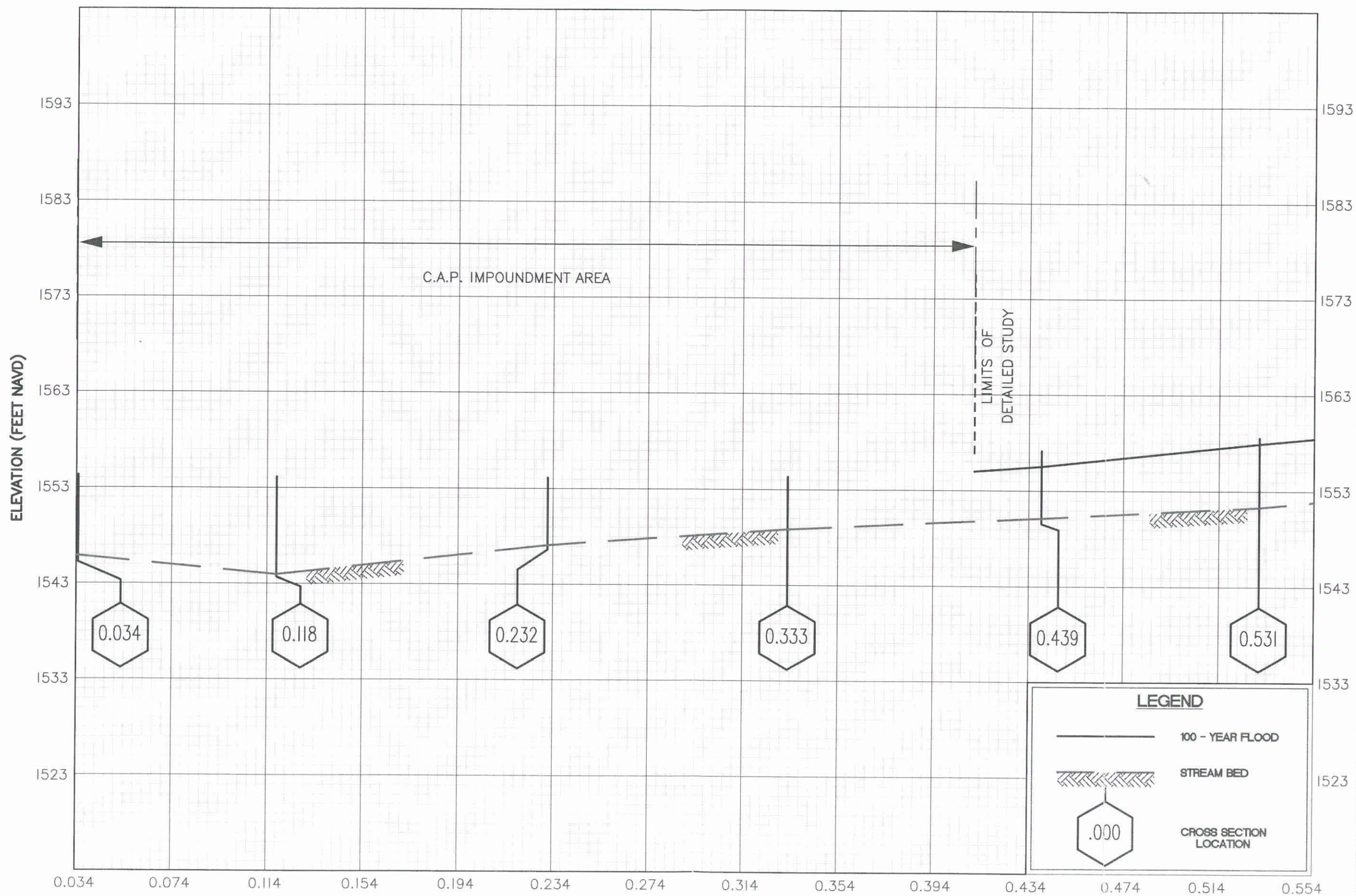

FLOOD PROFILES

IONA WASH

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU
FLOOD DELINEATION STUDY

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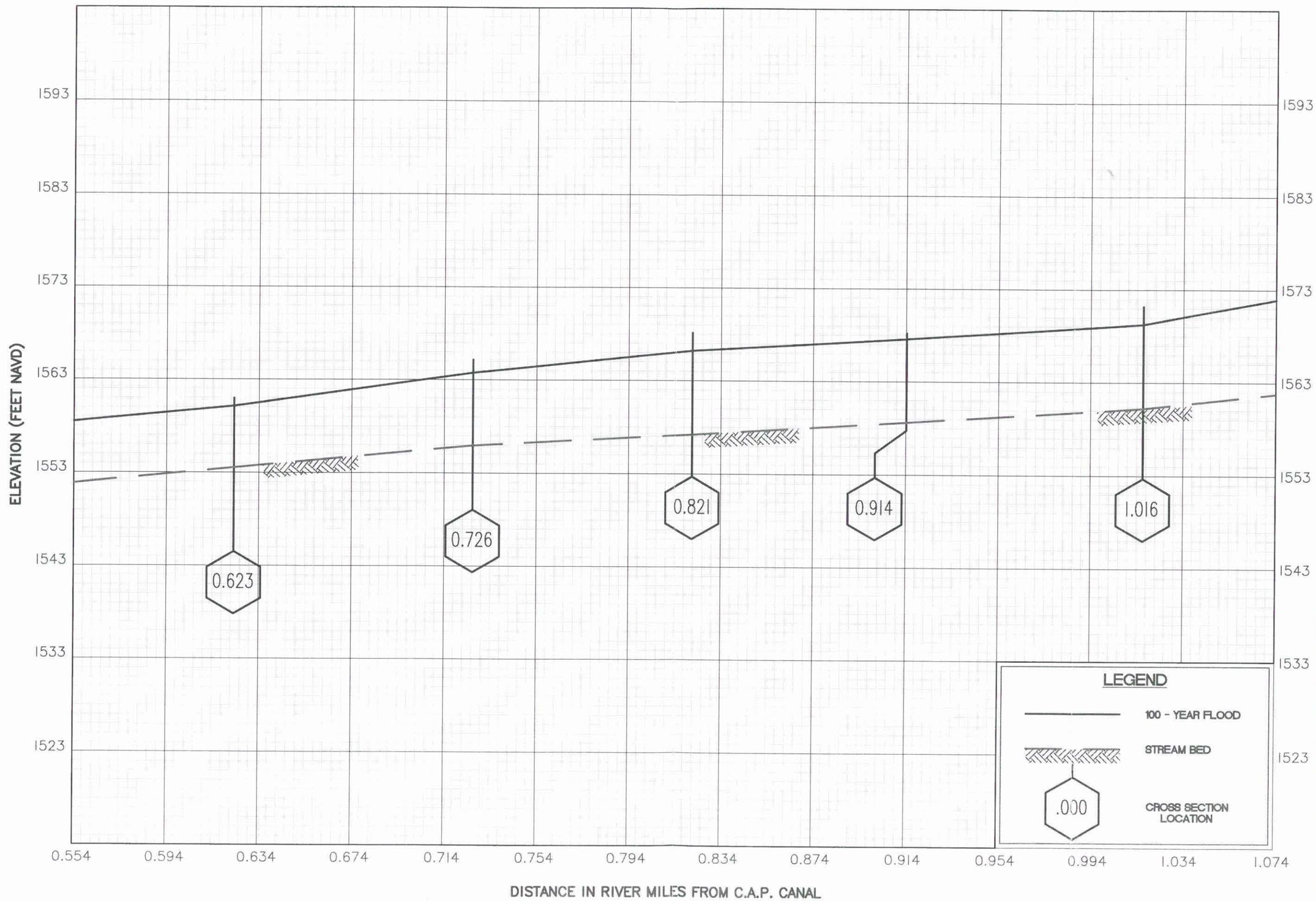

FLOOD PROFILES

IONA WASH

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

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FLOOD DELINEATION STUDY

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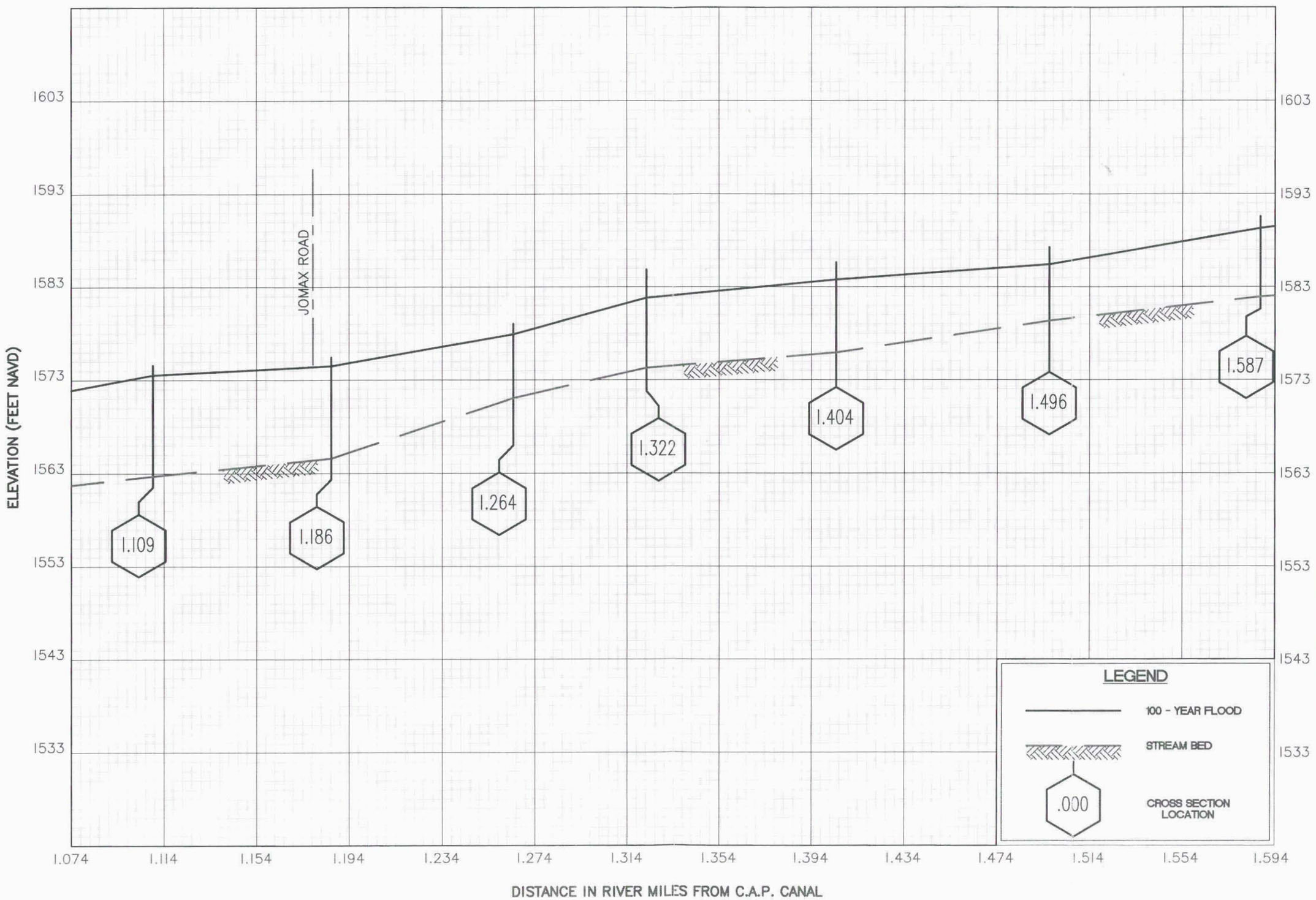

FLOOD PROFILES

IONA WASH

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

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FLOOD DELINEATION STUDY

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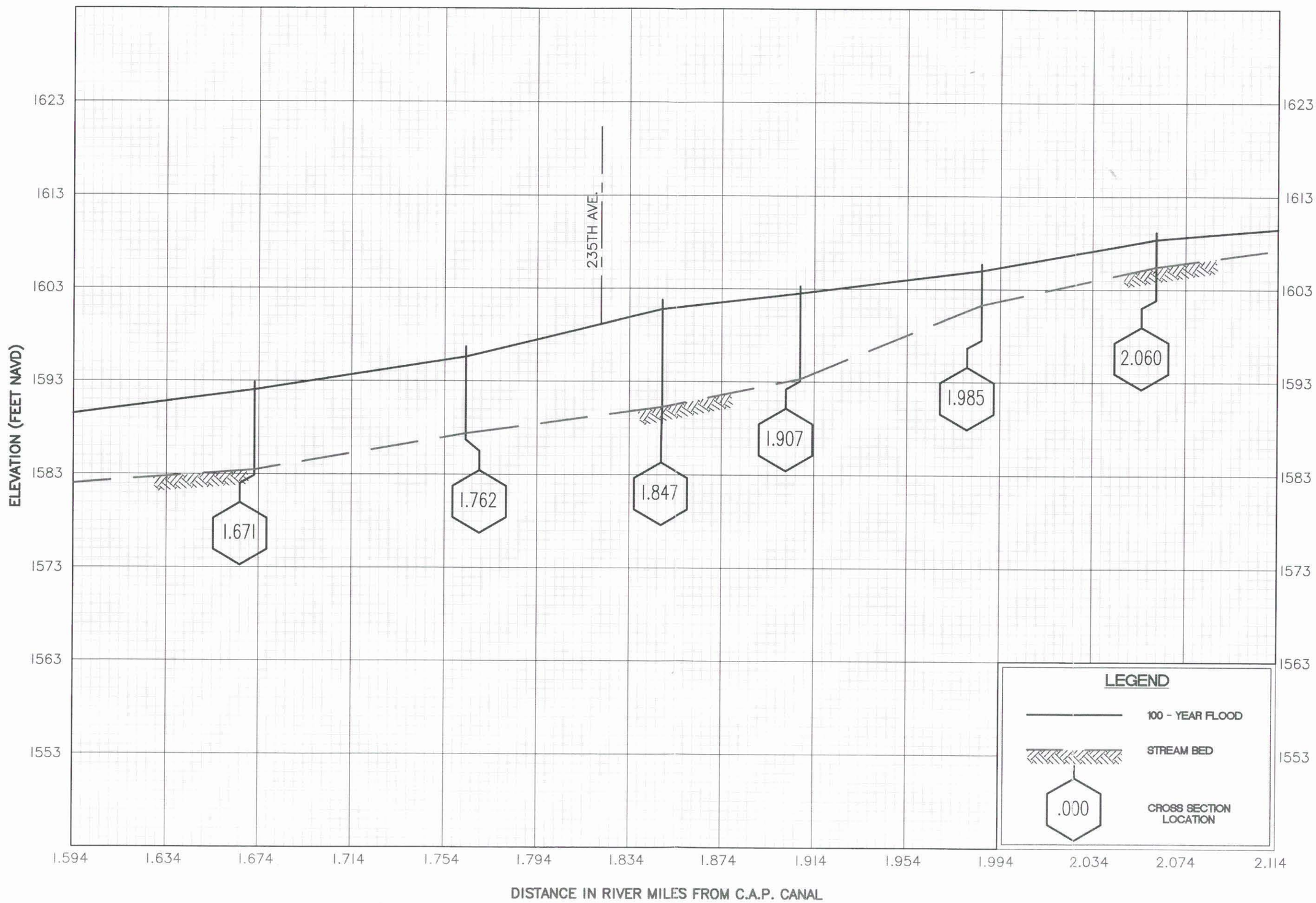

FLOOD PROFILES

IONA WASH

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

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FLOOD DELINEATION STUDY

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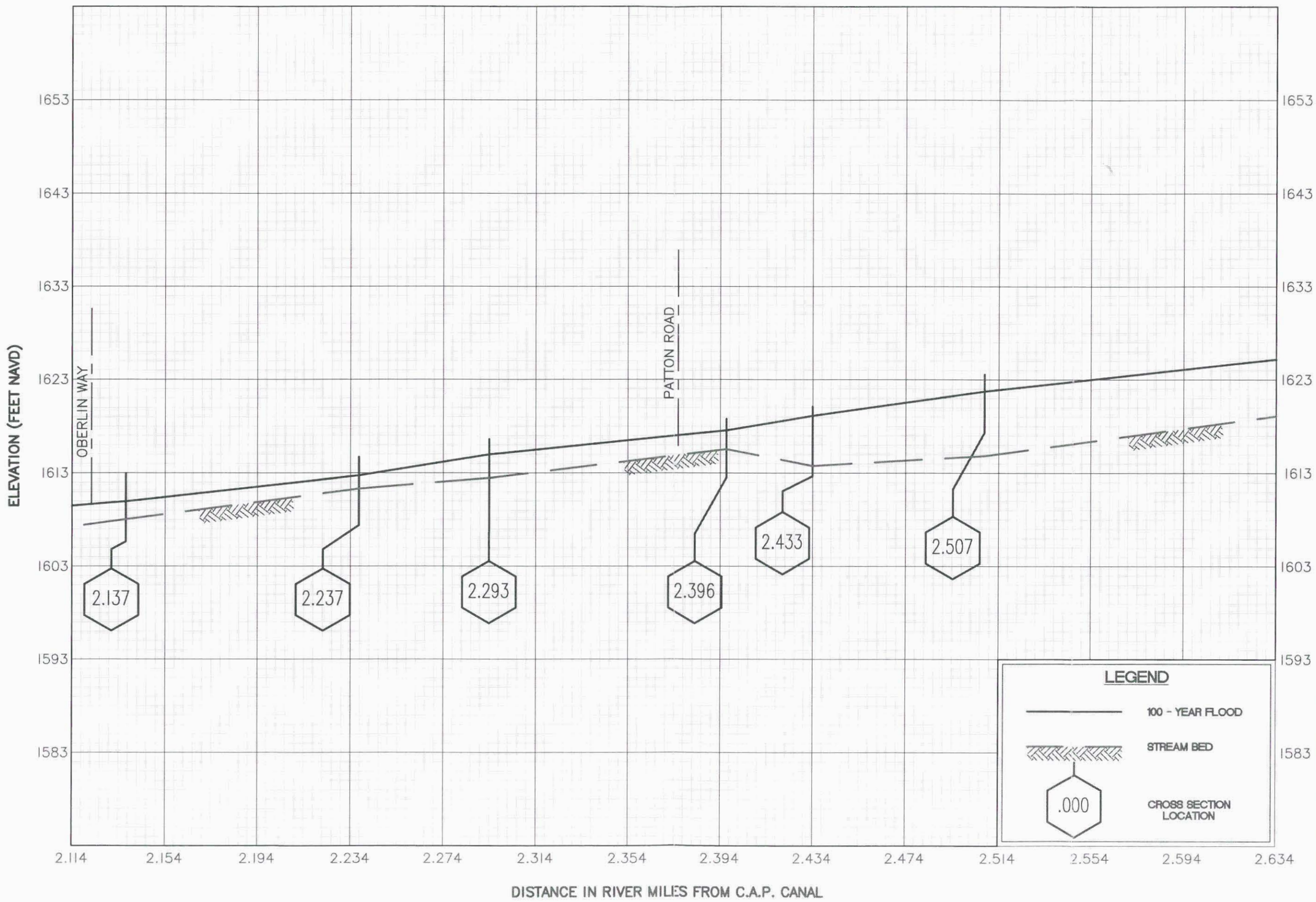

FLOOD PROFILES

IONA WASH

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU
FLOOD DELINEATION STUDY

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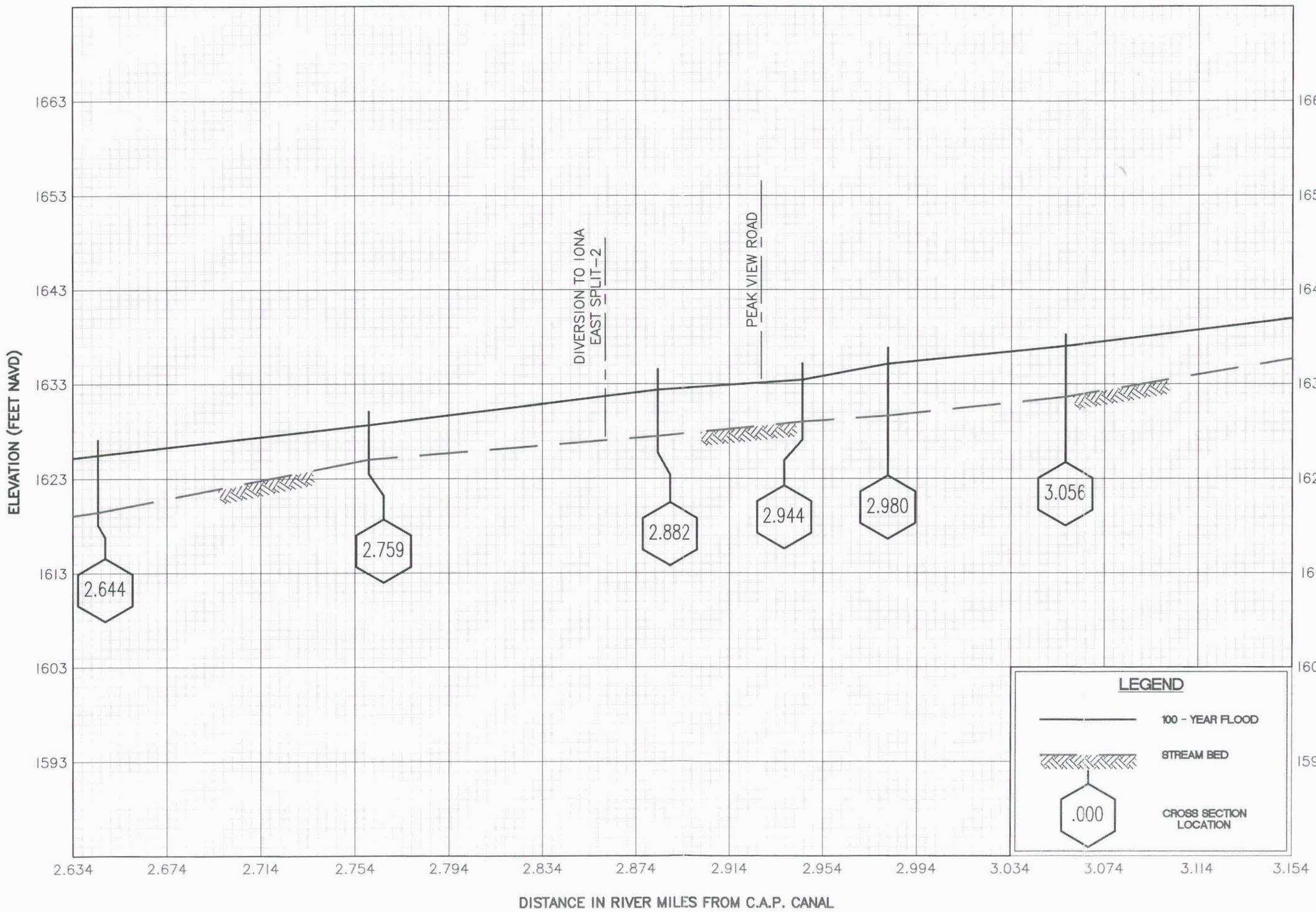

FLOOD PROFILES

IONA WASH

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU
FLOOD DELINEATION STUDY

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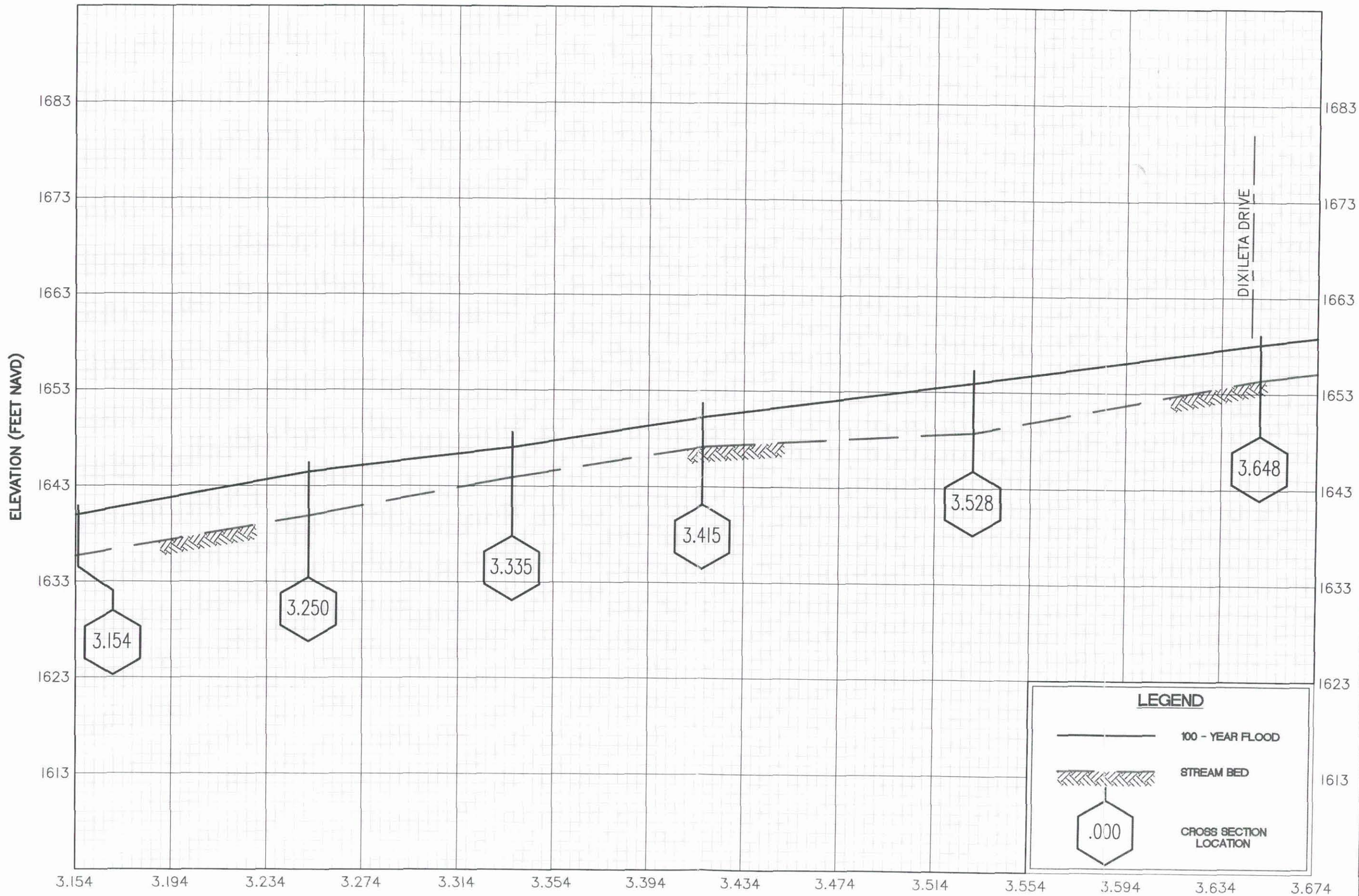

FLOOD PROFILES

IONA WASH

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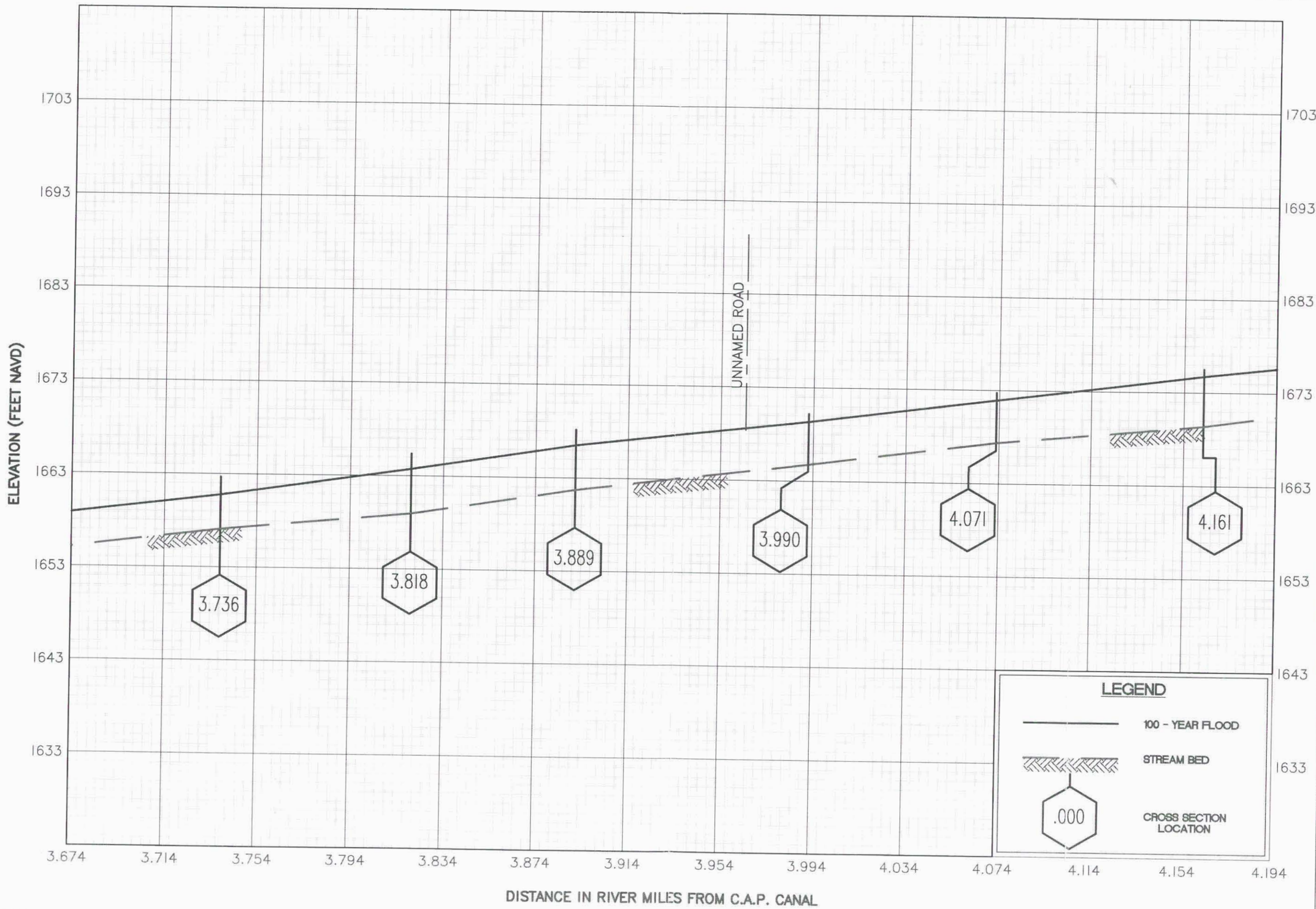

FLOOD PROFILES

IONA WASH

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU
FLOOD DELINEATION STUDY

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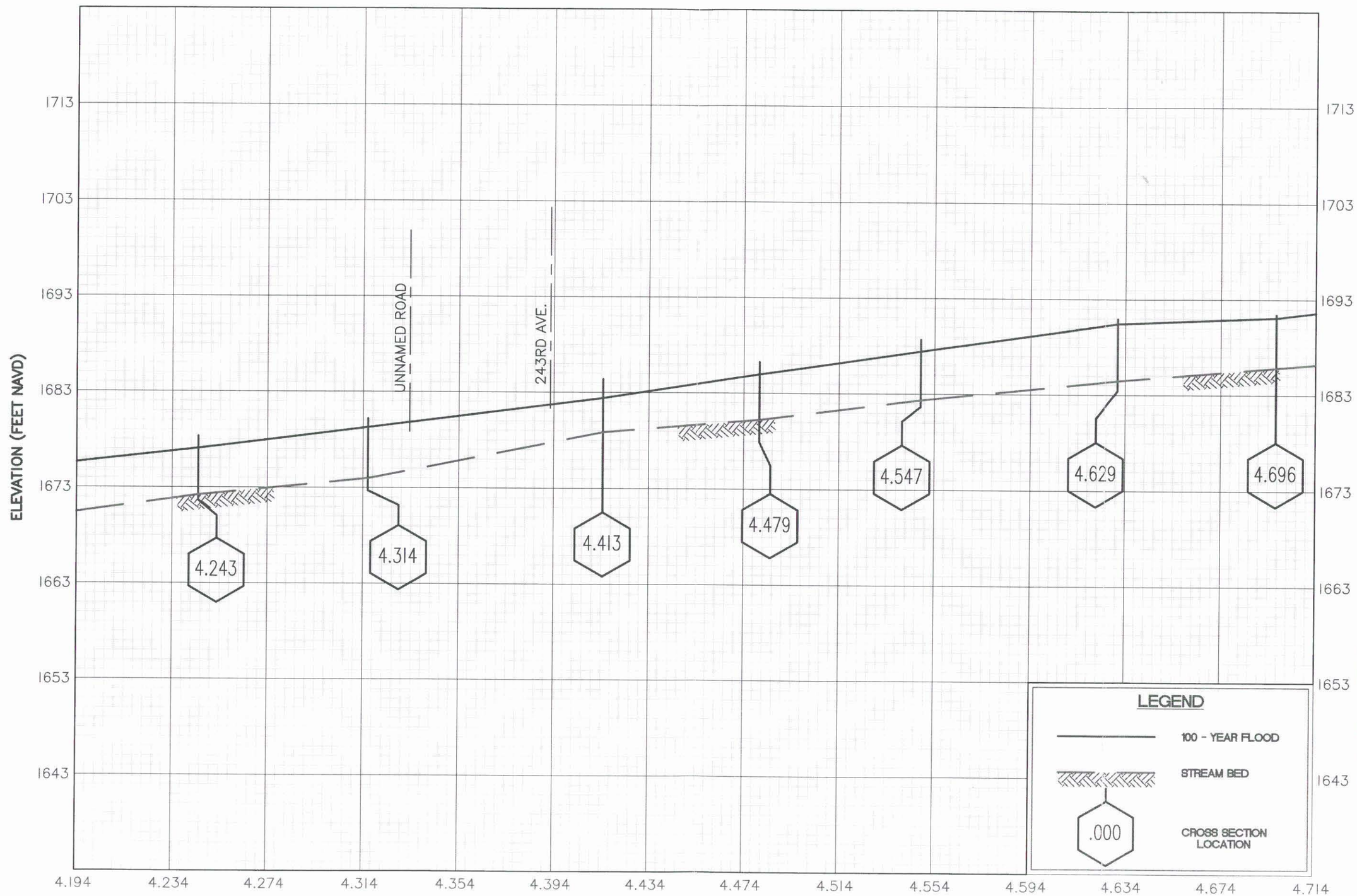

FLOOD PROFILES

IONA WASH

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

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FLOOD DELINEATION STUDY

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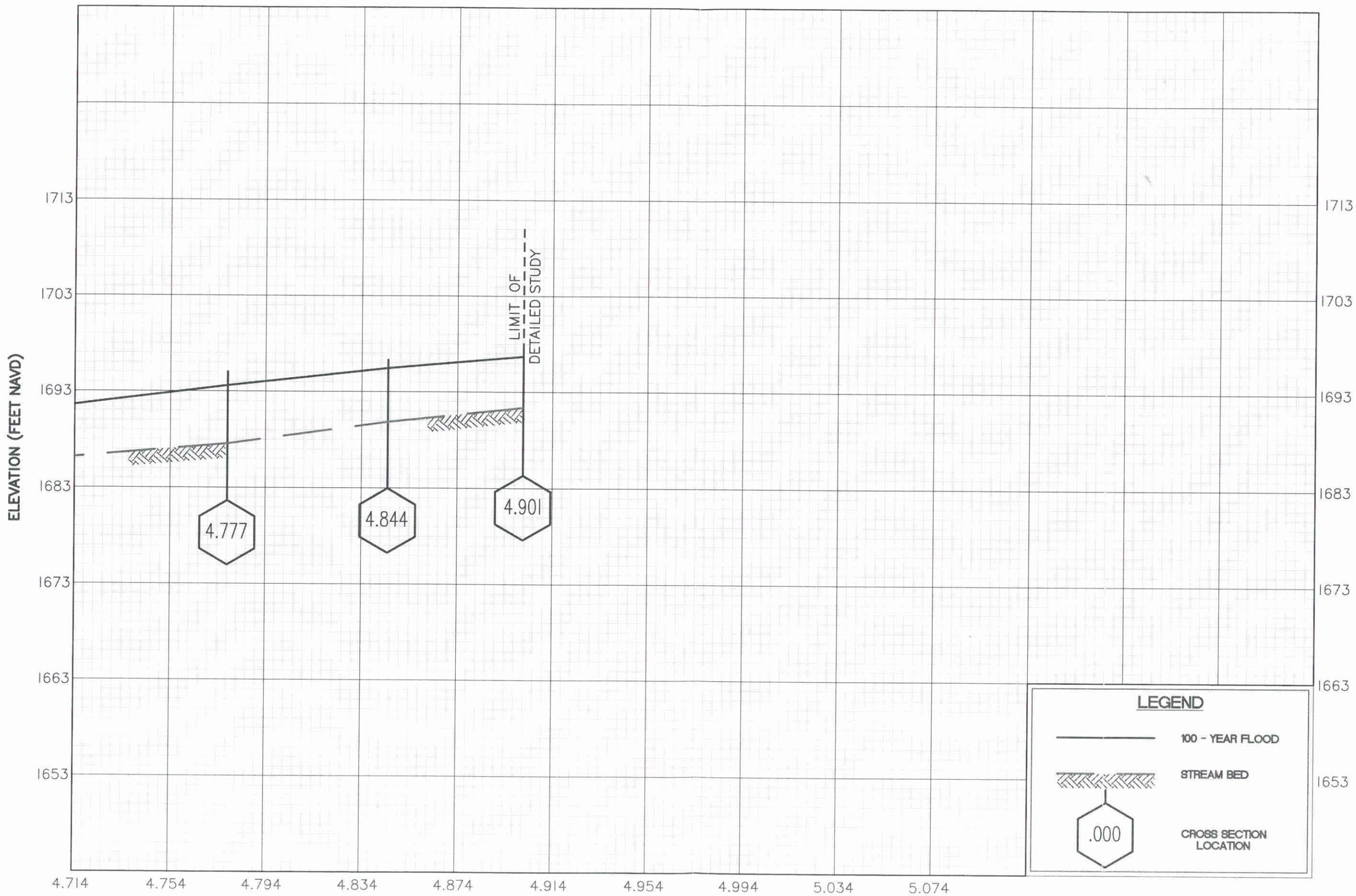

FLOOD PROFILES

IONA WASH

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

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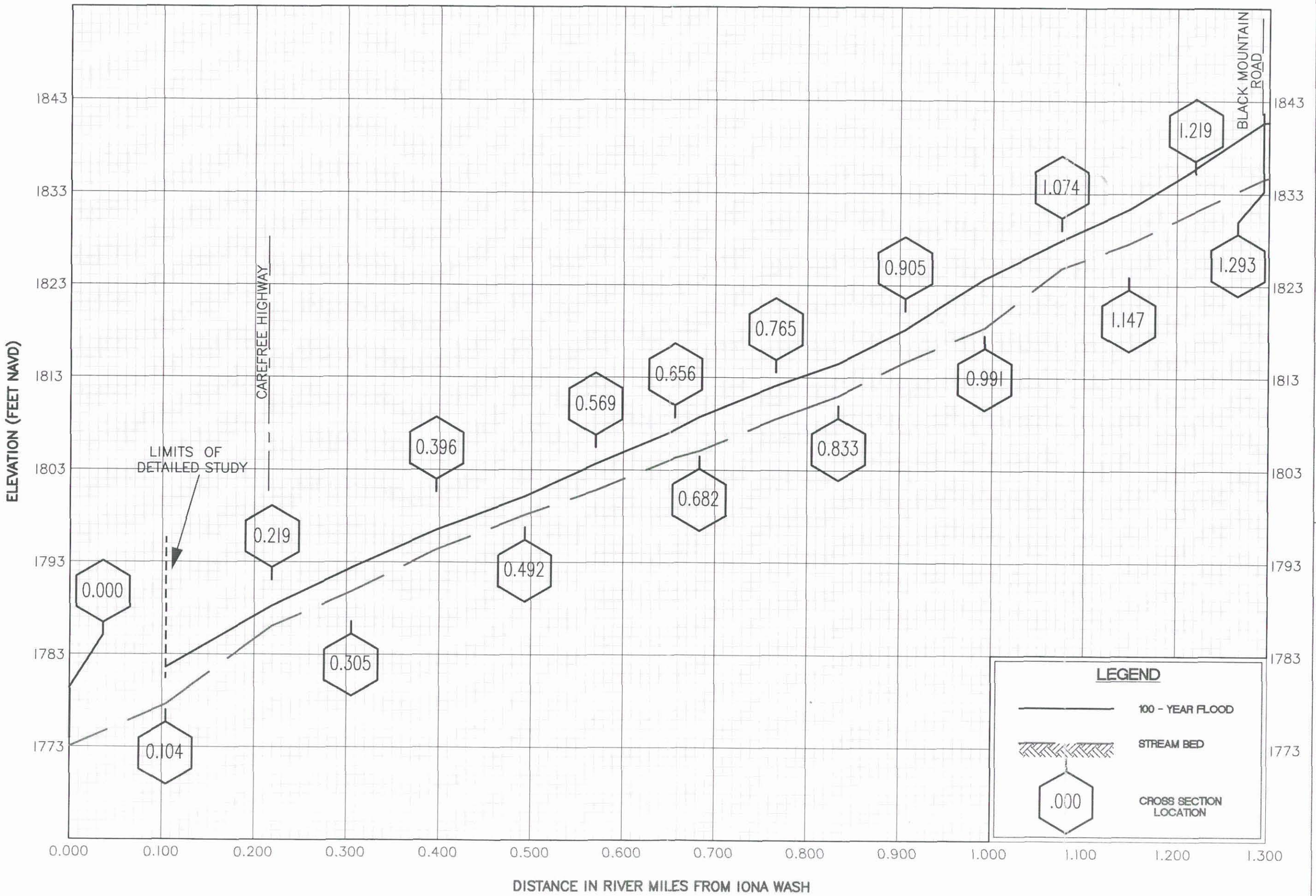

FLOOD PROFILES

IONA NORTH

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU
FLOOD DELINEATION STUDY

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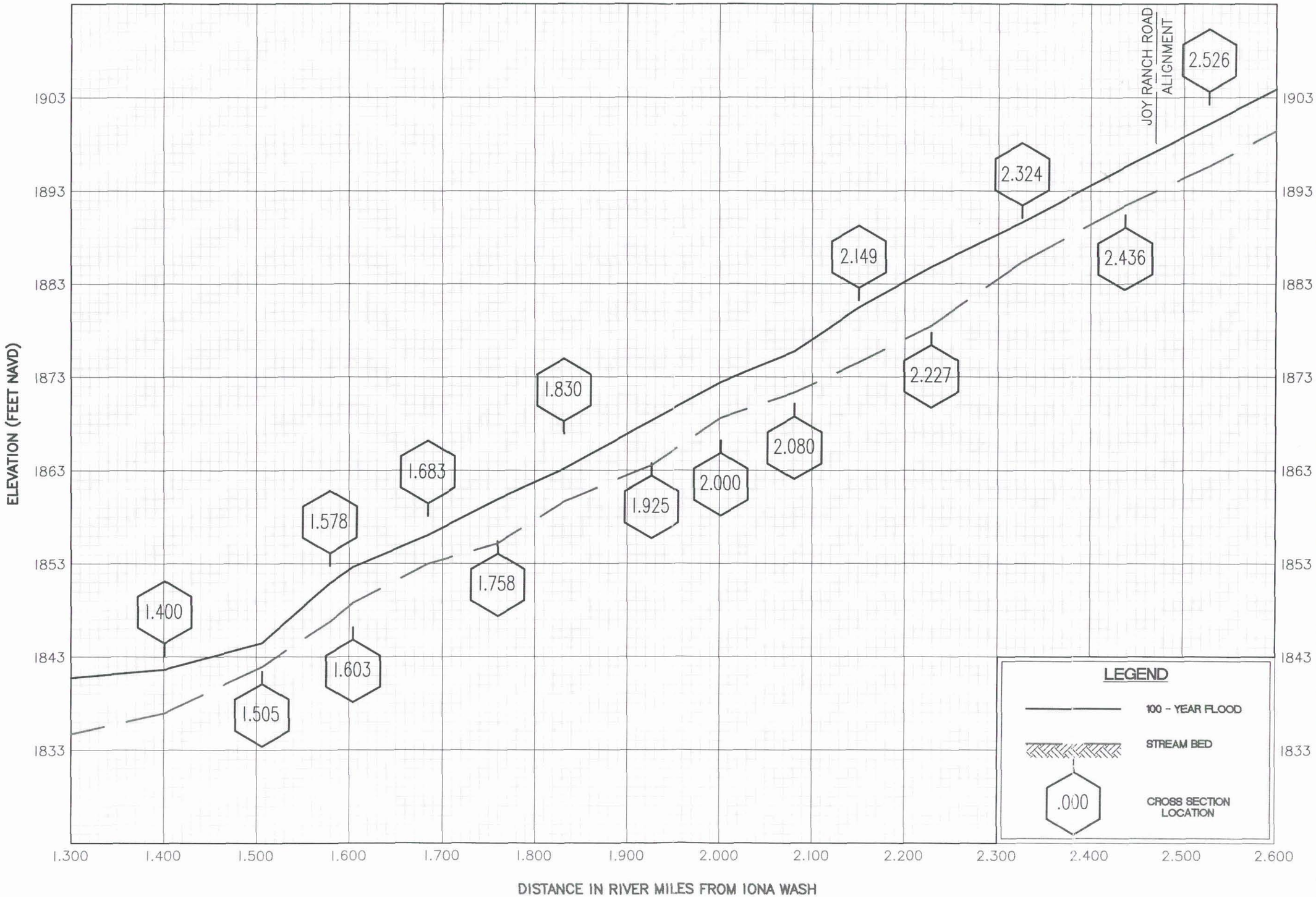

FLOOD PROFILES

IONA NORTH

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU
FLOOD DELINEATION STUDY

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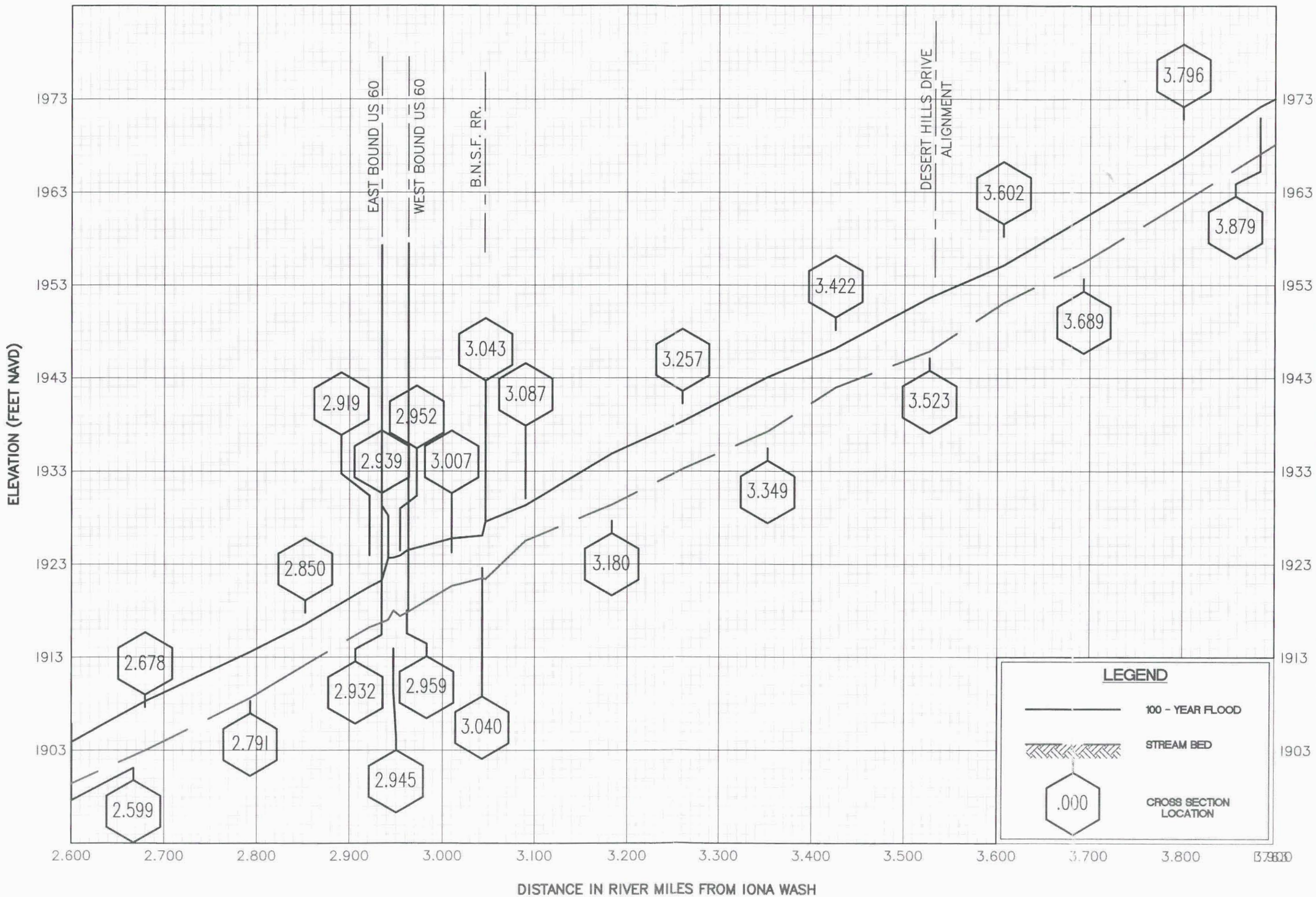

FLOOD PROFILES

IONA NORTH

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU
FLOOD DELINEATION STUDY

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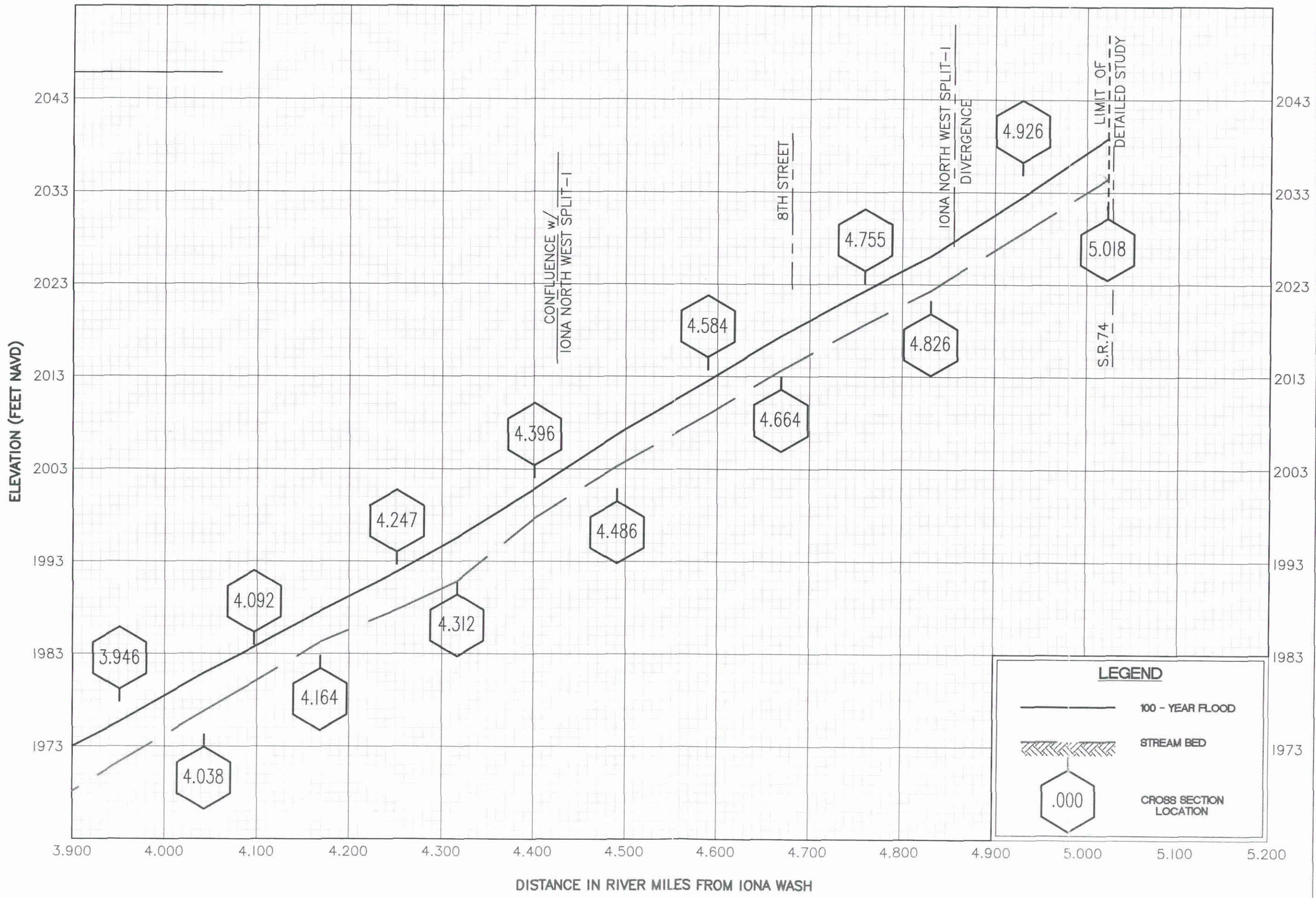

FLOOD PROFILES

IONA NORTH

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

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FLOOD DELINEATION STUDY

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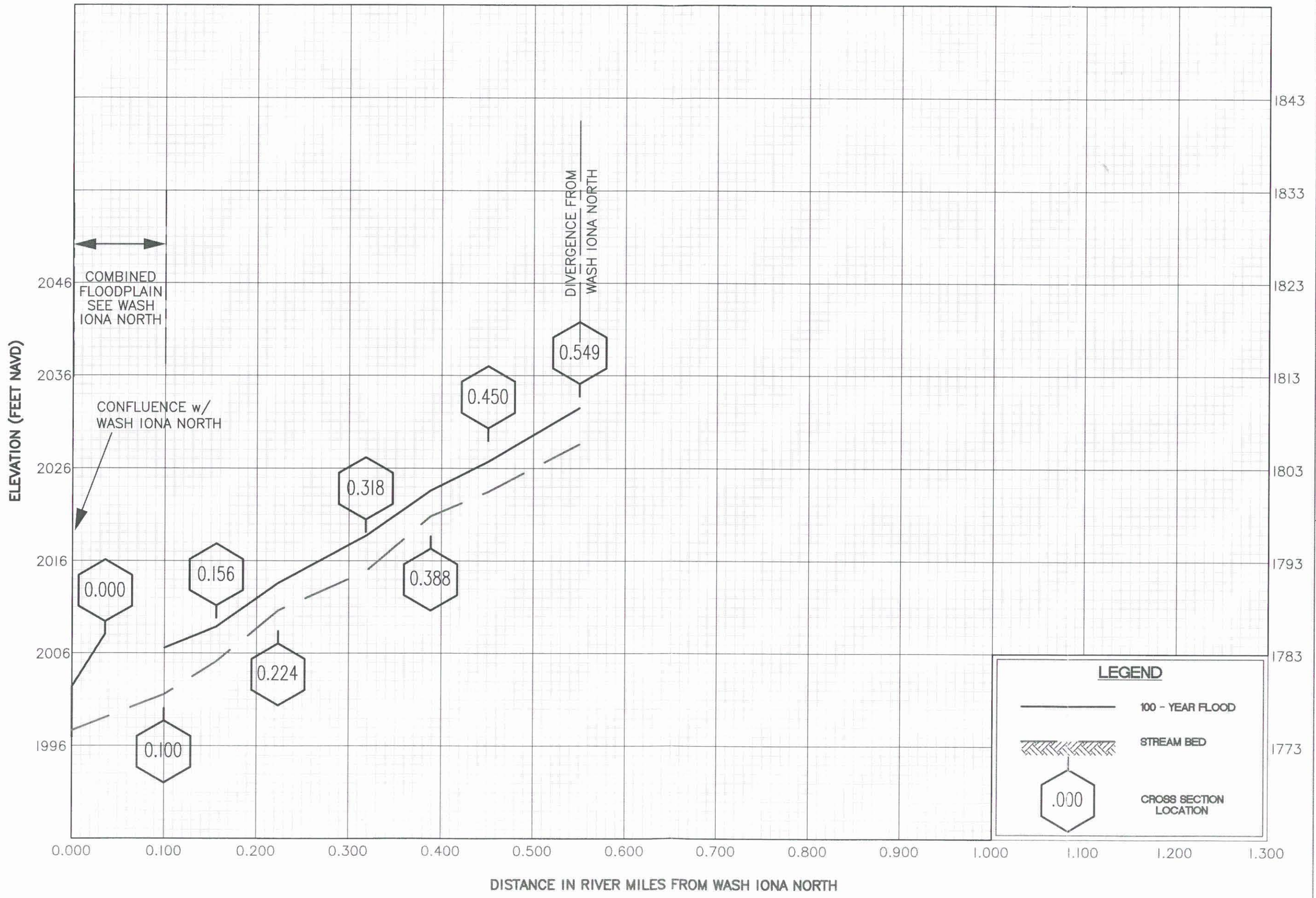

FLOOD PROFILES

IONA NORTH WEST SPLIT-1

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU
FLOOD DELINEATION STUDY

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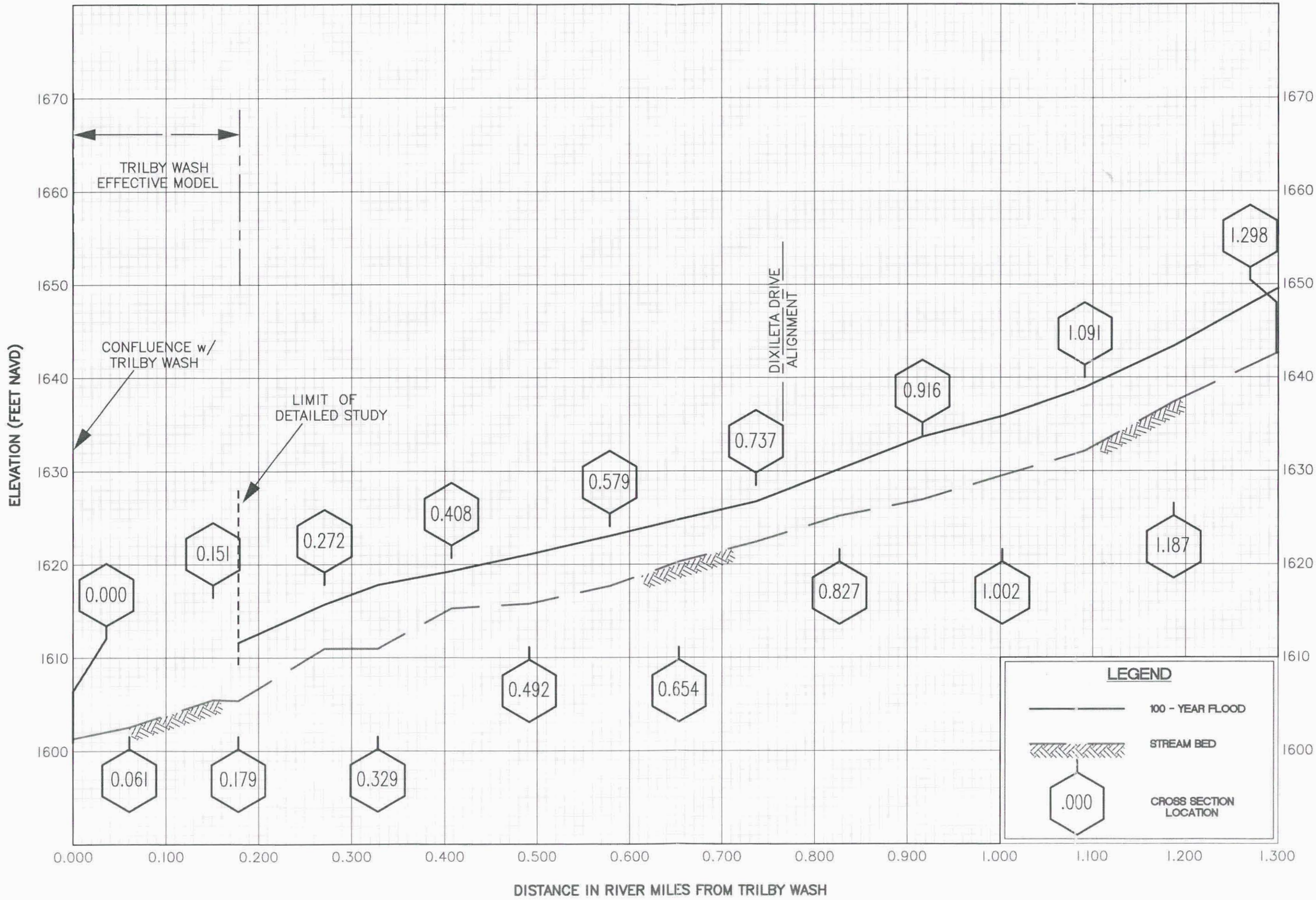
Date: 07-27-05



FLOOD PROFILES

IONA EAST SPLIT-1

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU
FLOOD DELINEATION STUDY

Profile_IONI j-1.dwg
Date: 09-07-05

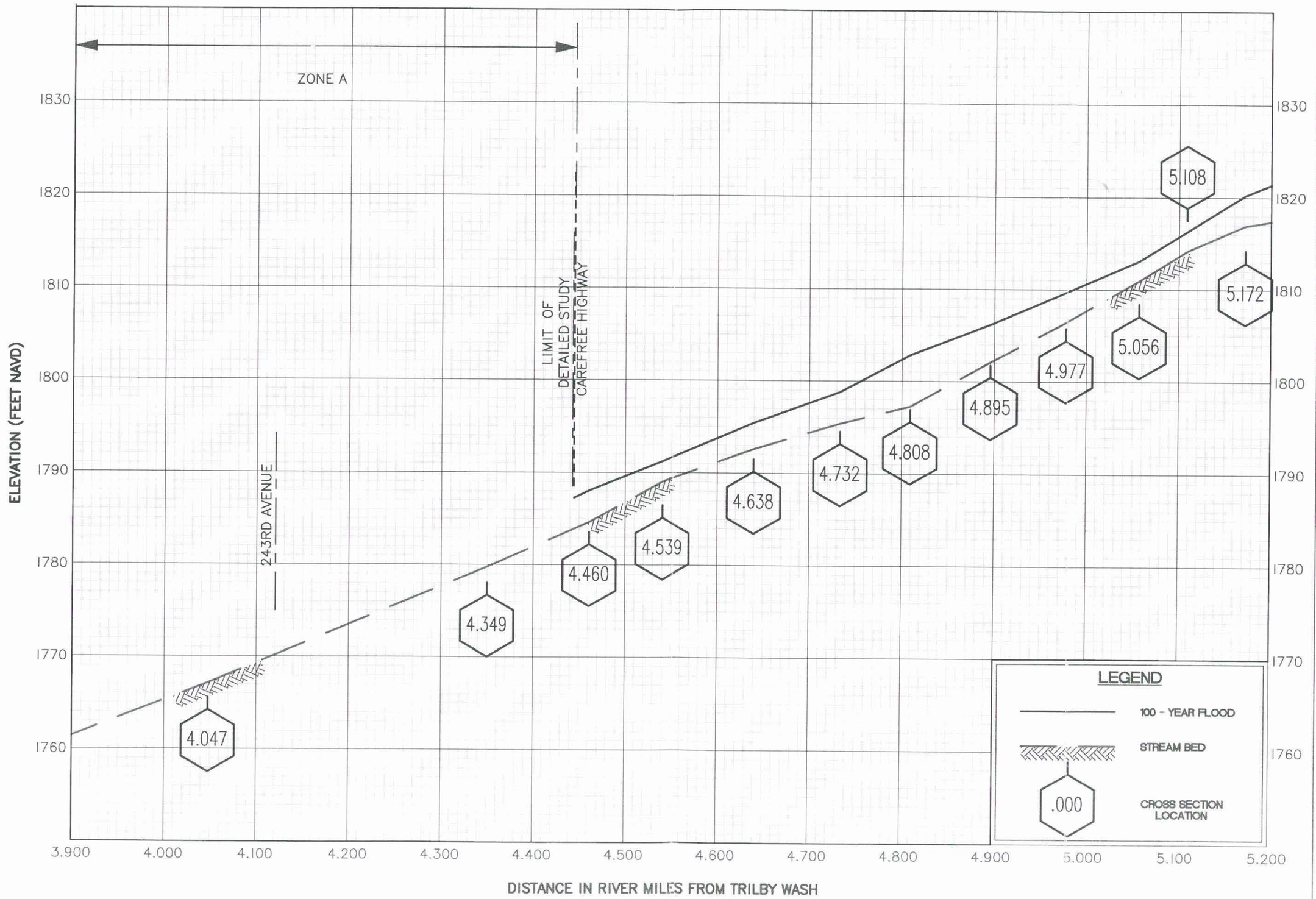
FLOOD PROFILES

IONA EAST SPLIT-1

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU
FLOOD DELINEATION STUDY

Profile_ION. 3-1.dwg
Date: 09-07-05



FLOOD PROFILES

IONA EAST SPLIT-1

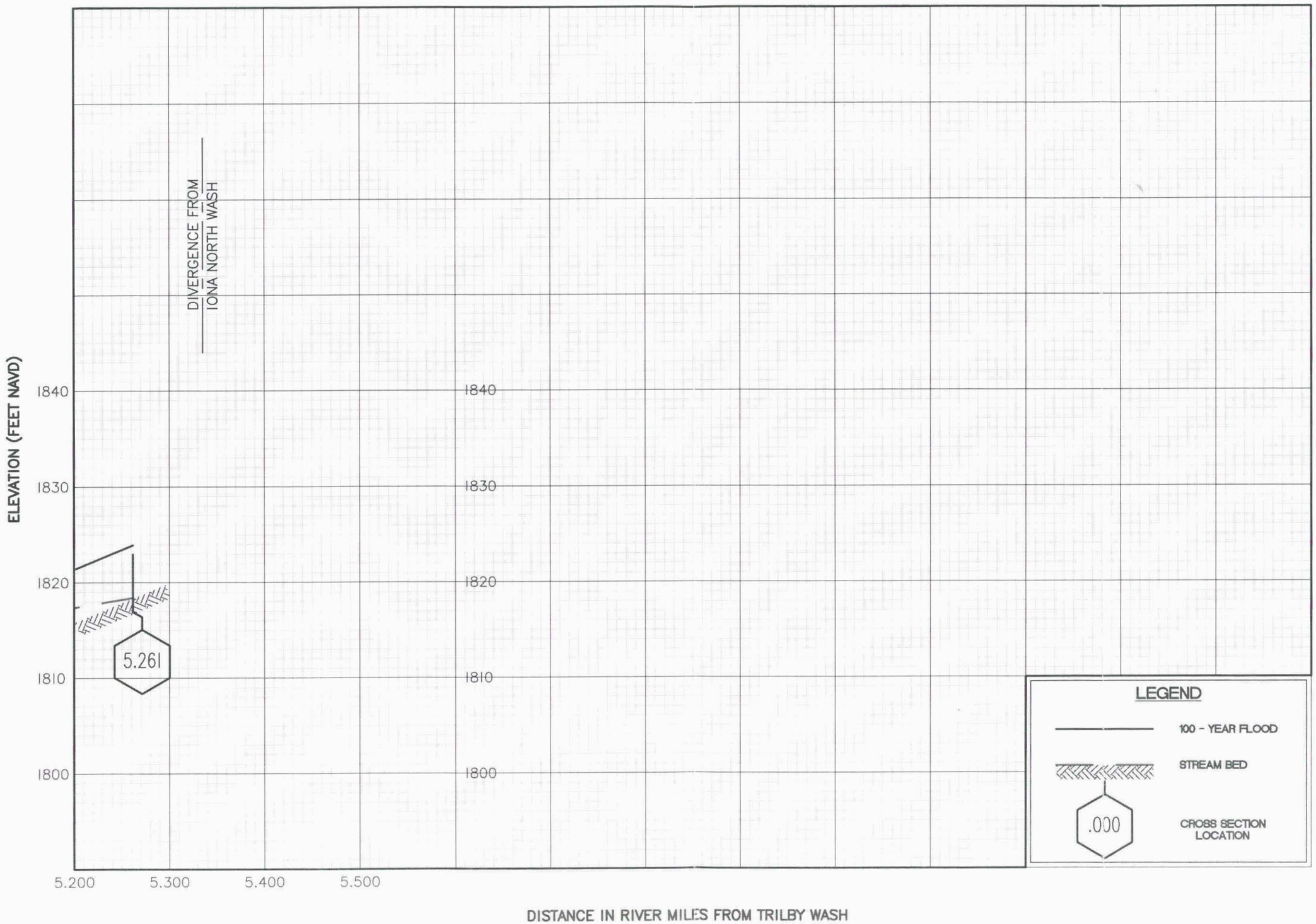
FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU

FLOOD DELINEATION STUDY

Profile_ION 3-1.dwg

Date: 09-07-05



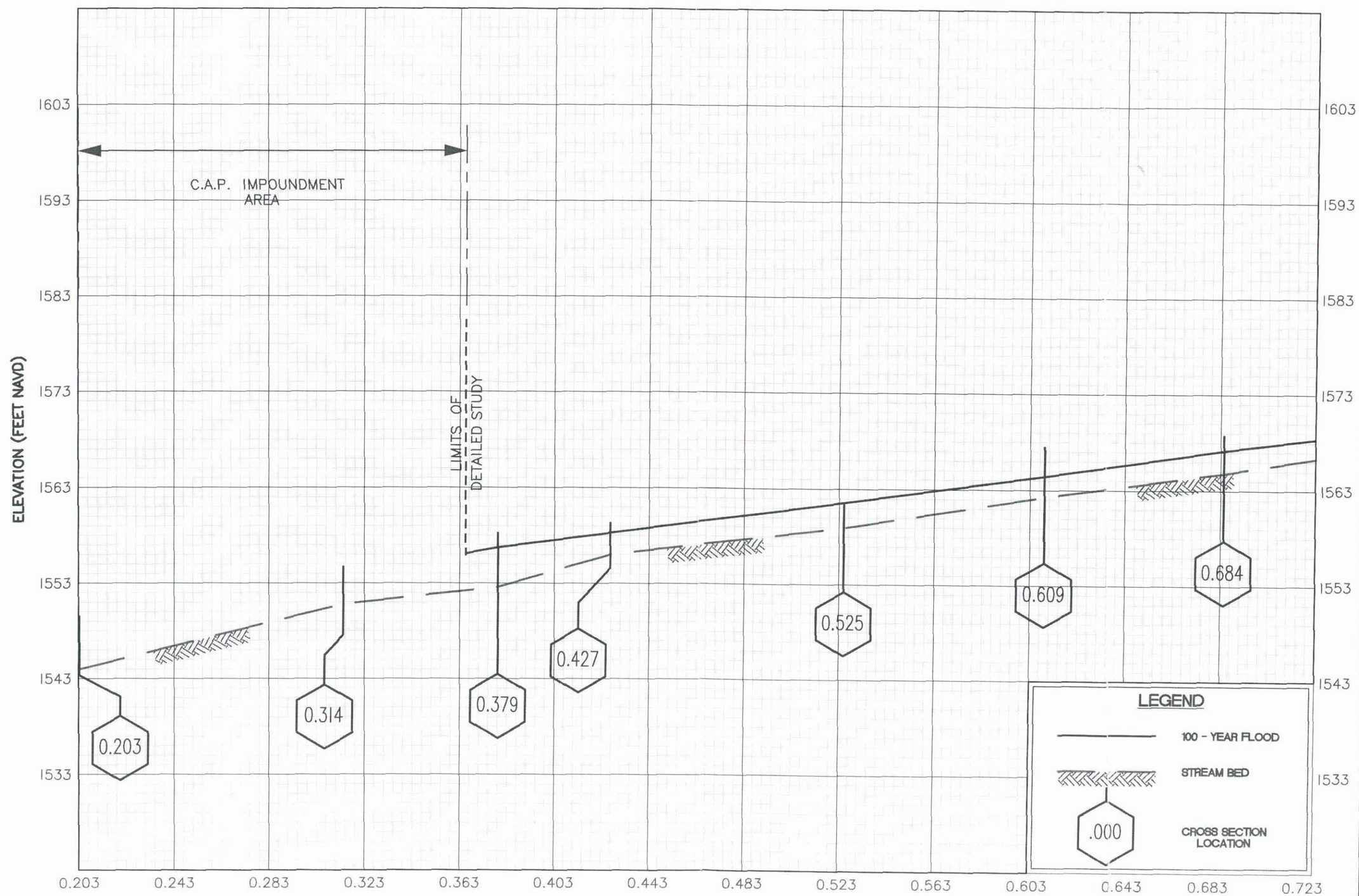
FLOOD PROFILES

IONA EAST SPLIT-1

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU
FLOOD DELINEATION STUDY

Profile_ION. j-1.dwg
Date: 09-07-05



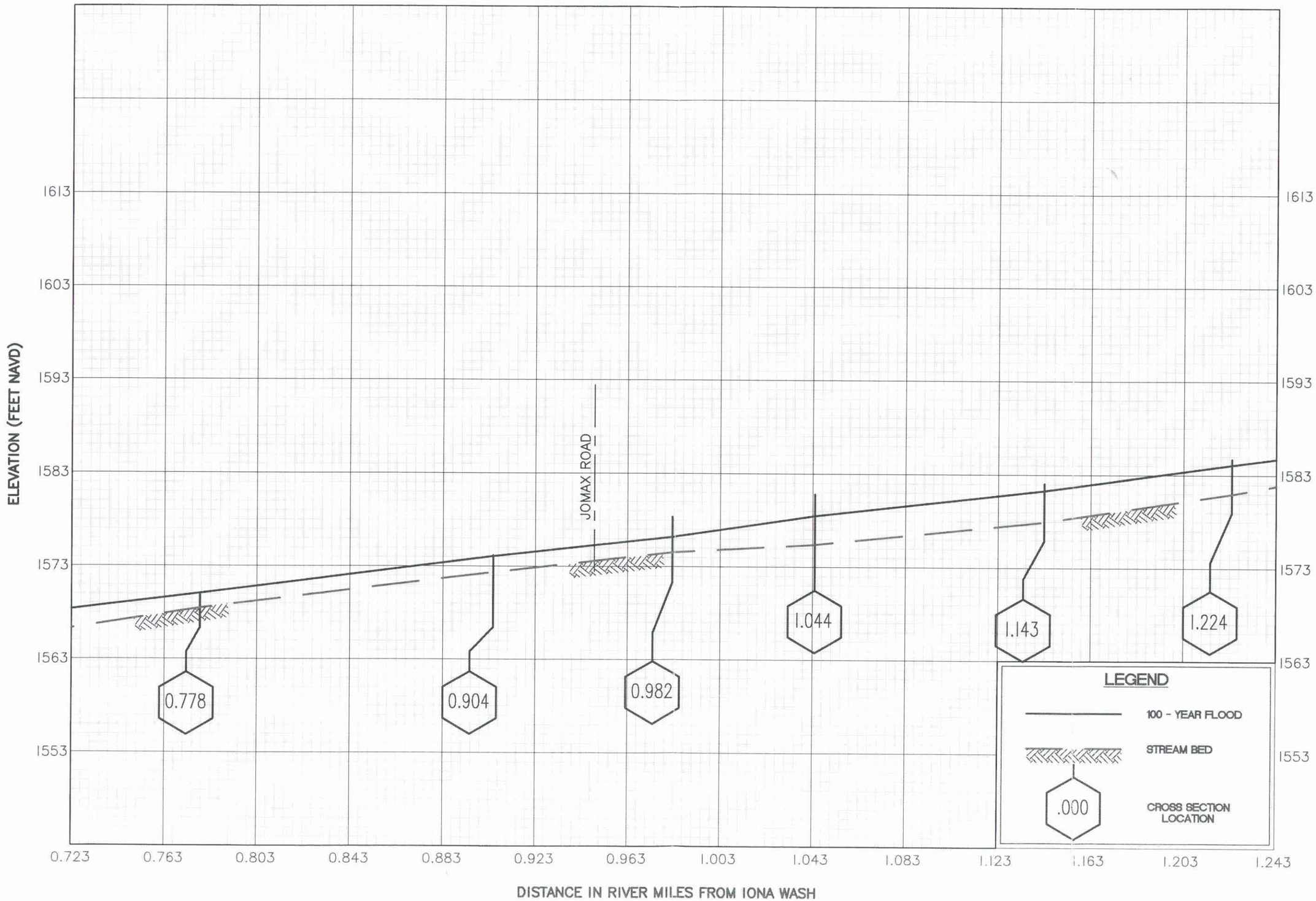
FLOOD PROFILES

IONA EAST SPLIT-2

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU
FLOOD DELINEATION STUDY

Profile_IONA W_ .jwg
Date: 07-27-05



FLOOD PROFILES

IONA EAST SPLIT-2

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU
FLOOD DELINEATION STUDY

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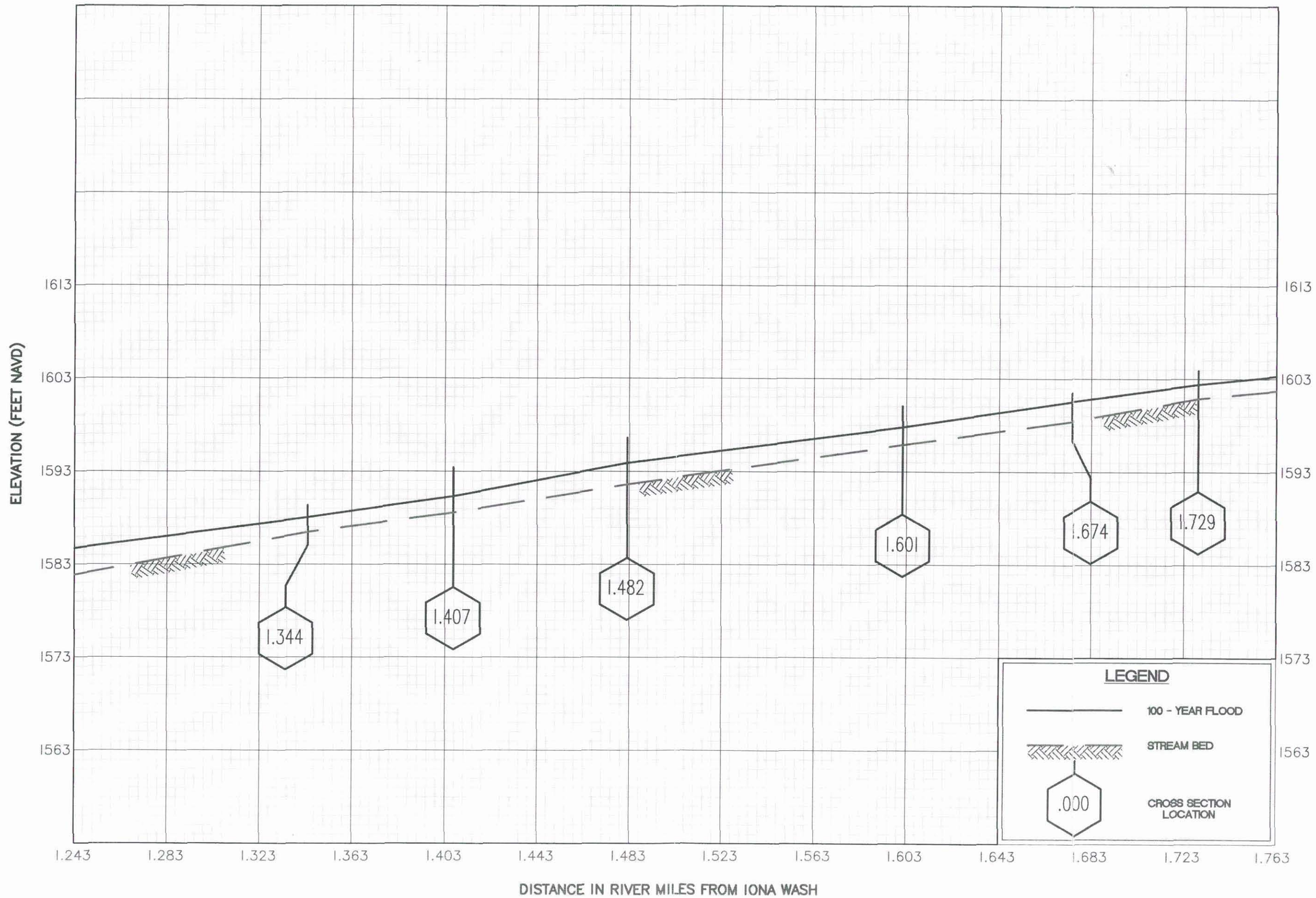


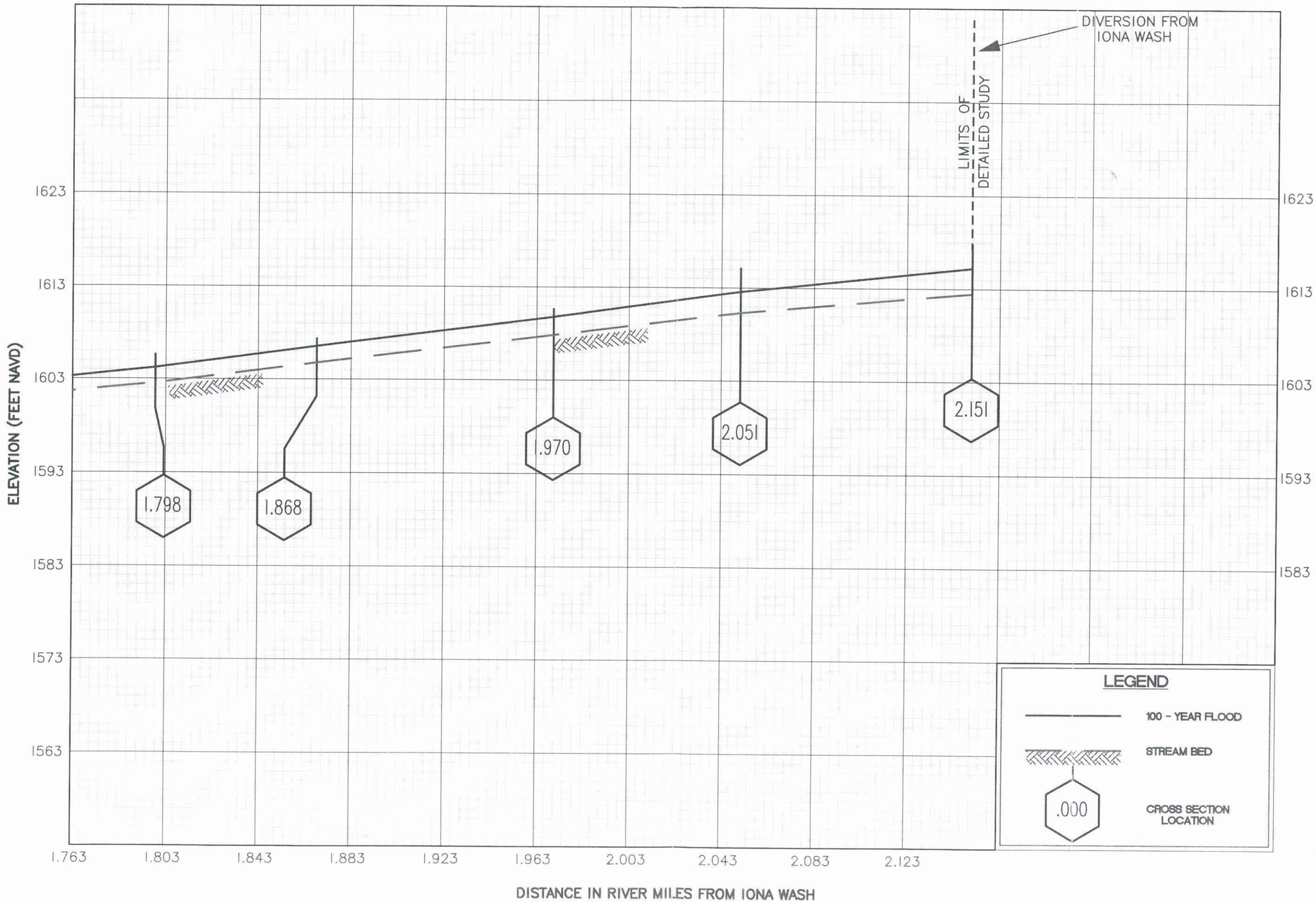
FLOOD PROFILES

IONA EAST SPLIT-2

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU
FLOOD DELINEATION STUDY

Profile_IONA W. .Jwg
Date: 07-27-05



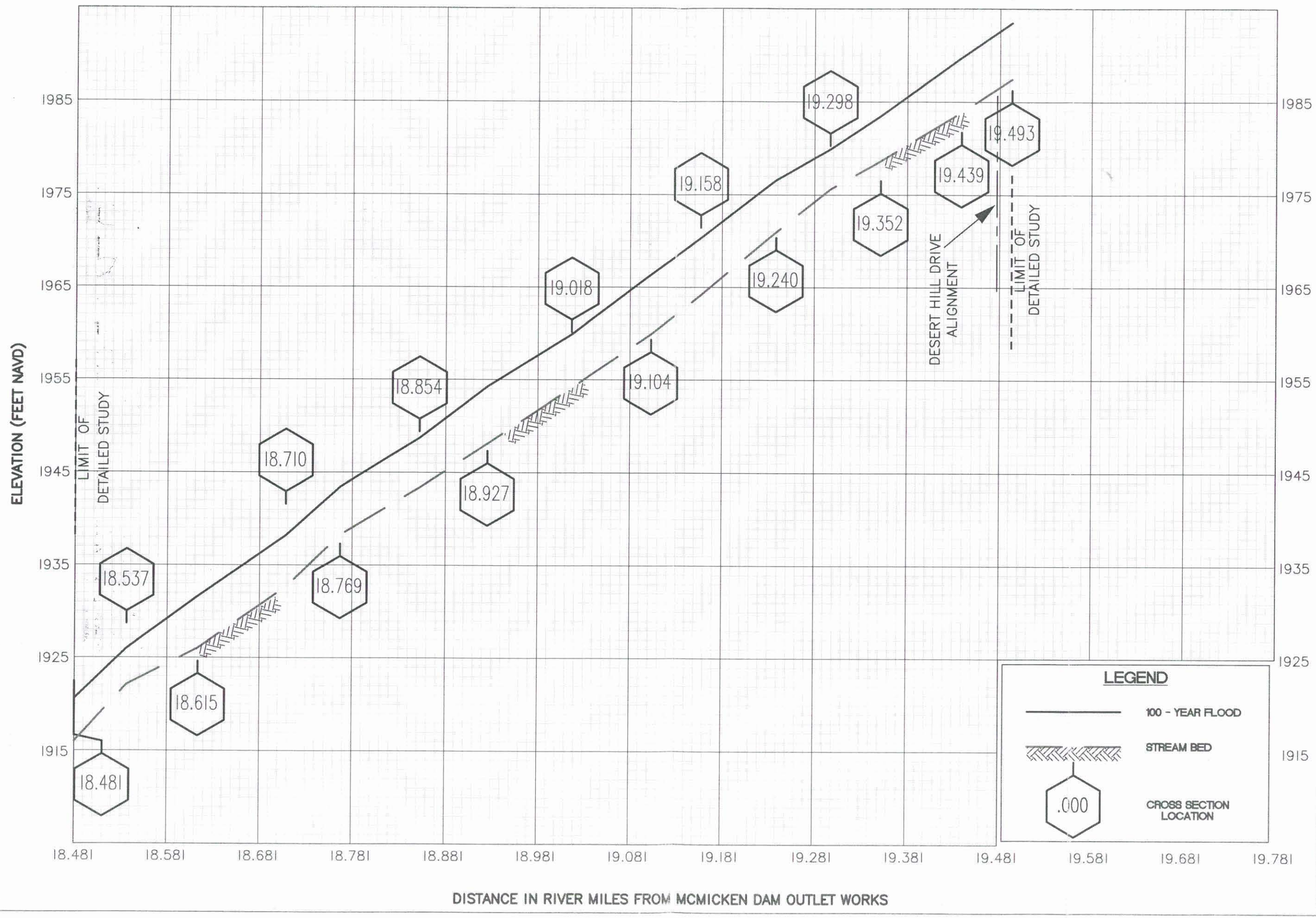
FLOOD PROFILES

IONA EAST SPLIT-2

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU
FLOOD DELINEATION STUDY

Profile_IONA W_ .dwg
Date: 07-27-05



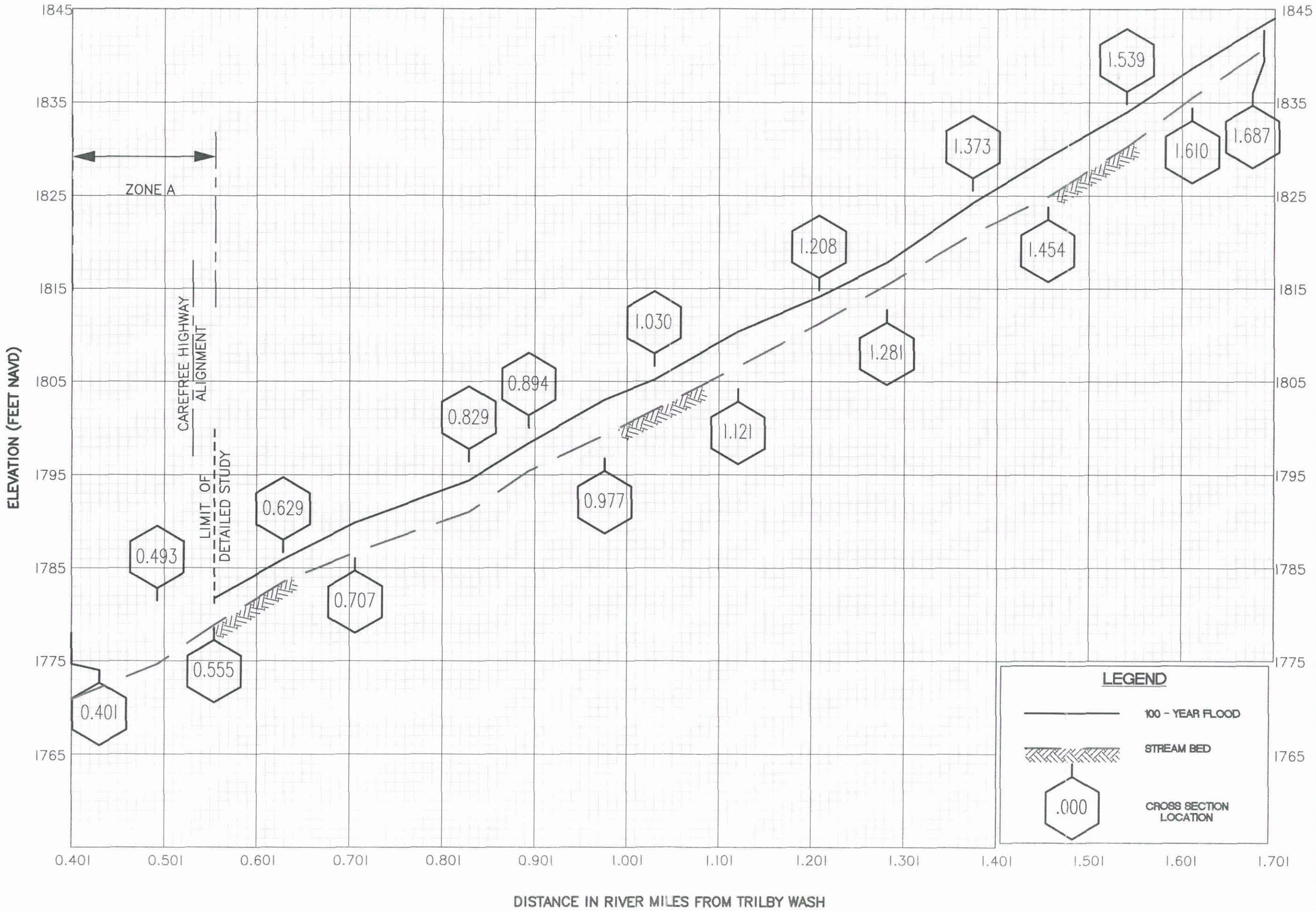
FLOOD PROFILES

TRILBY WASH

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU
FLOOD DELINEATION STUDY

Profile_TRILBY-....SH.dwg
Date: 07-27-05



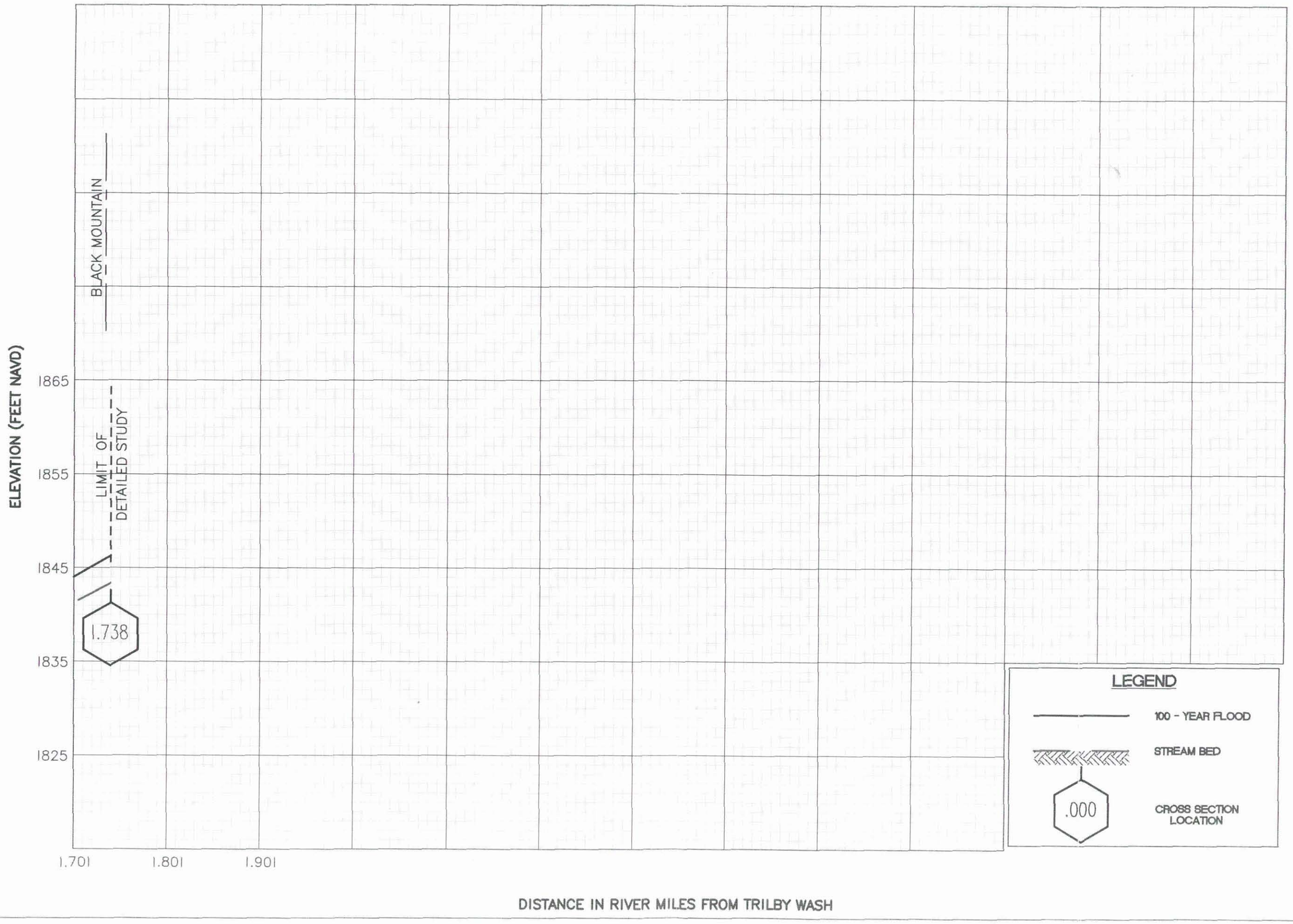
FLOOD PROFILES

CIRCLE CITY AREA WASH-1

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU
FLOOD DELINEATION STUDY

Profile_CC AREA WASH 1.DWG
Date: 07-27-05



FLOOD PROFILES

CIRCLE CITY AREA WASH-1

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU
FLOOD DELINEATION STUDY

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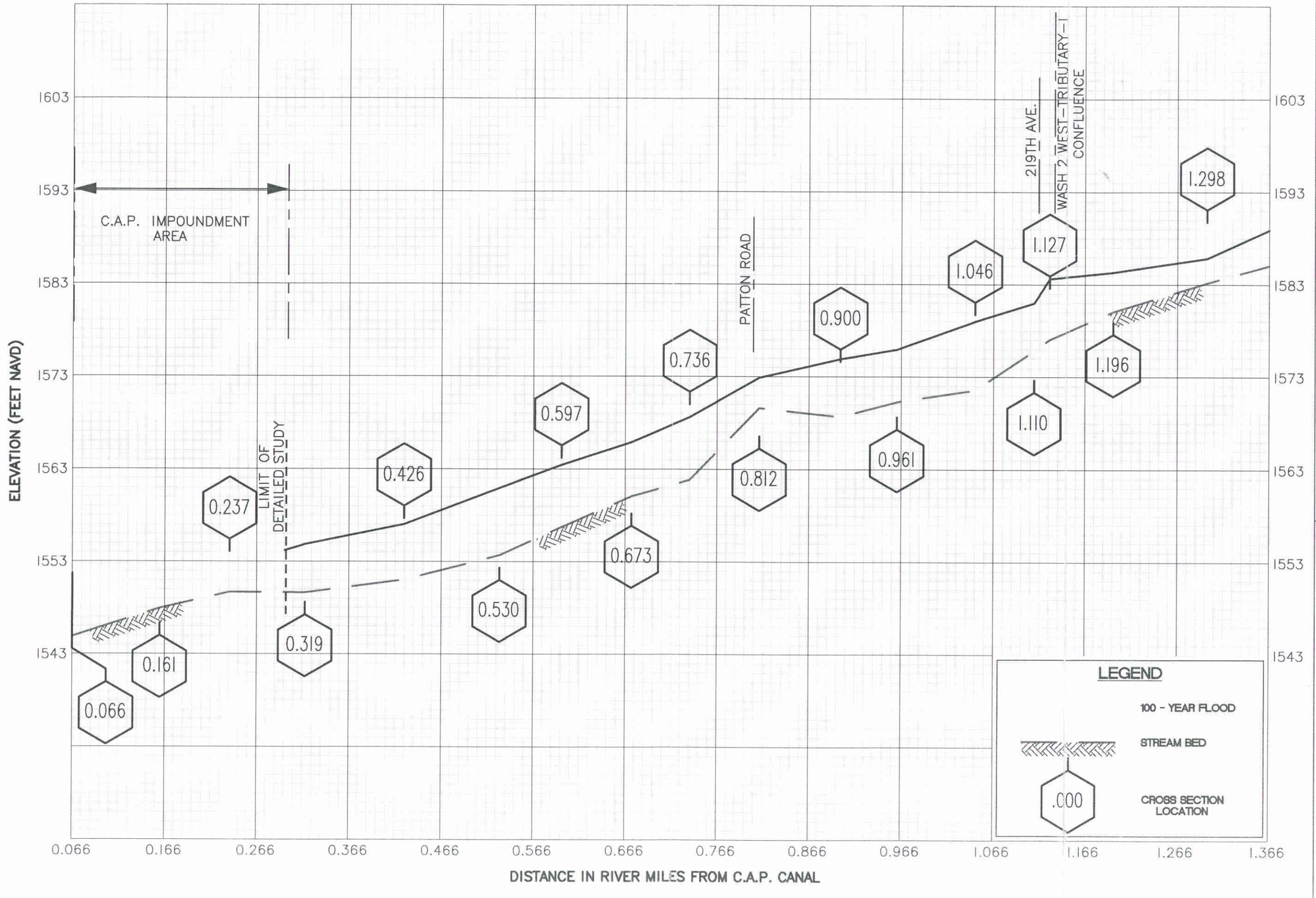
Date: 07-27-05



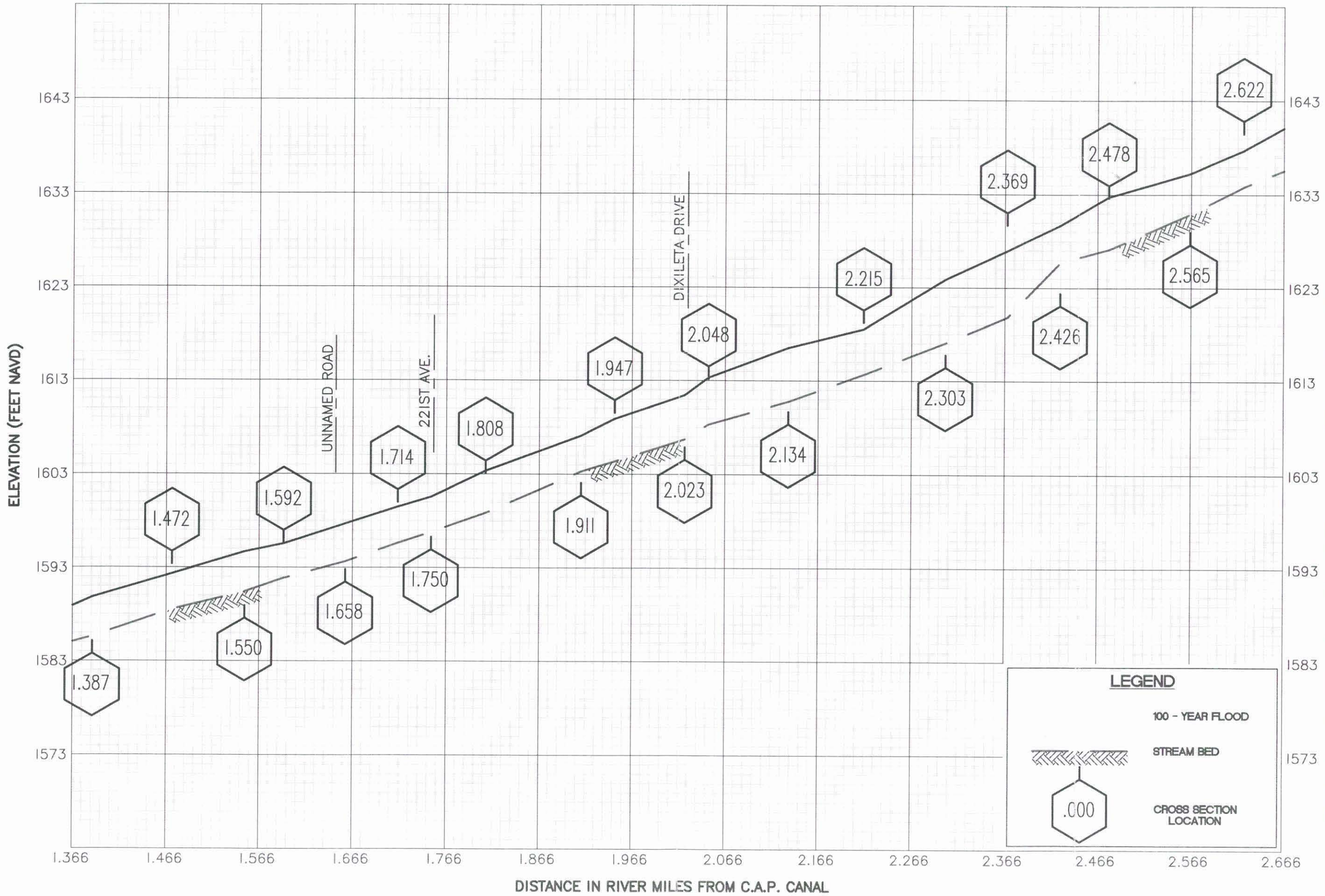
FLOOD PROFILES

2 WEST

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU
FLOOD DELINEATION STUDY

Profile_2 \ .dwg
Date: 07-27-05



FLOOD PROFILES

2 WEST

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU
FLOOD DELINEATION STUDY

Profile_2 ..dwg
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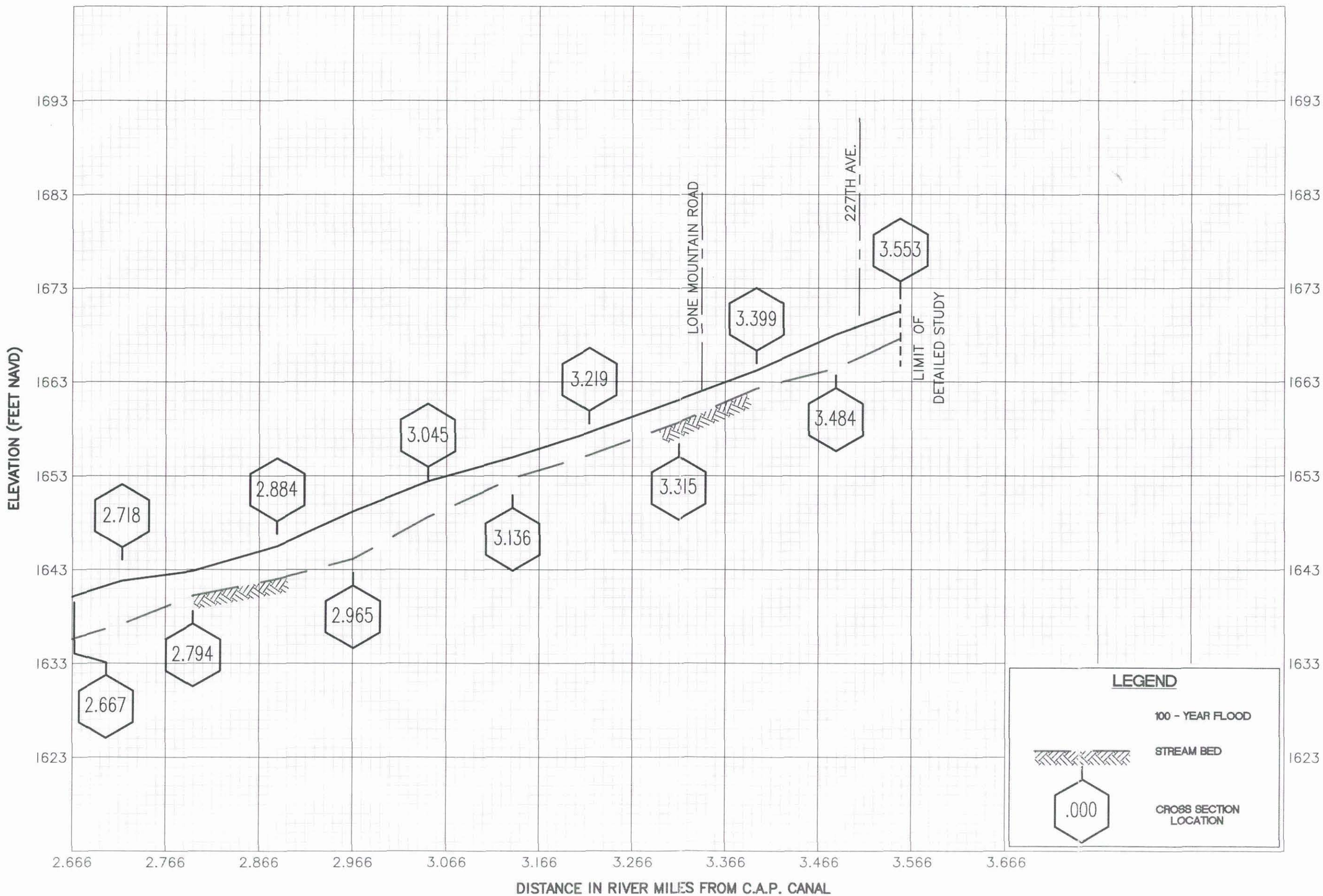


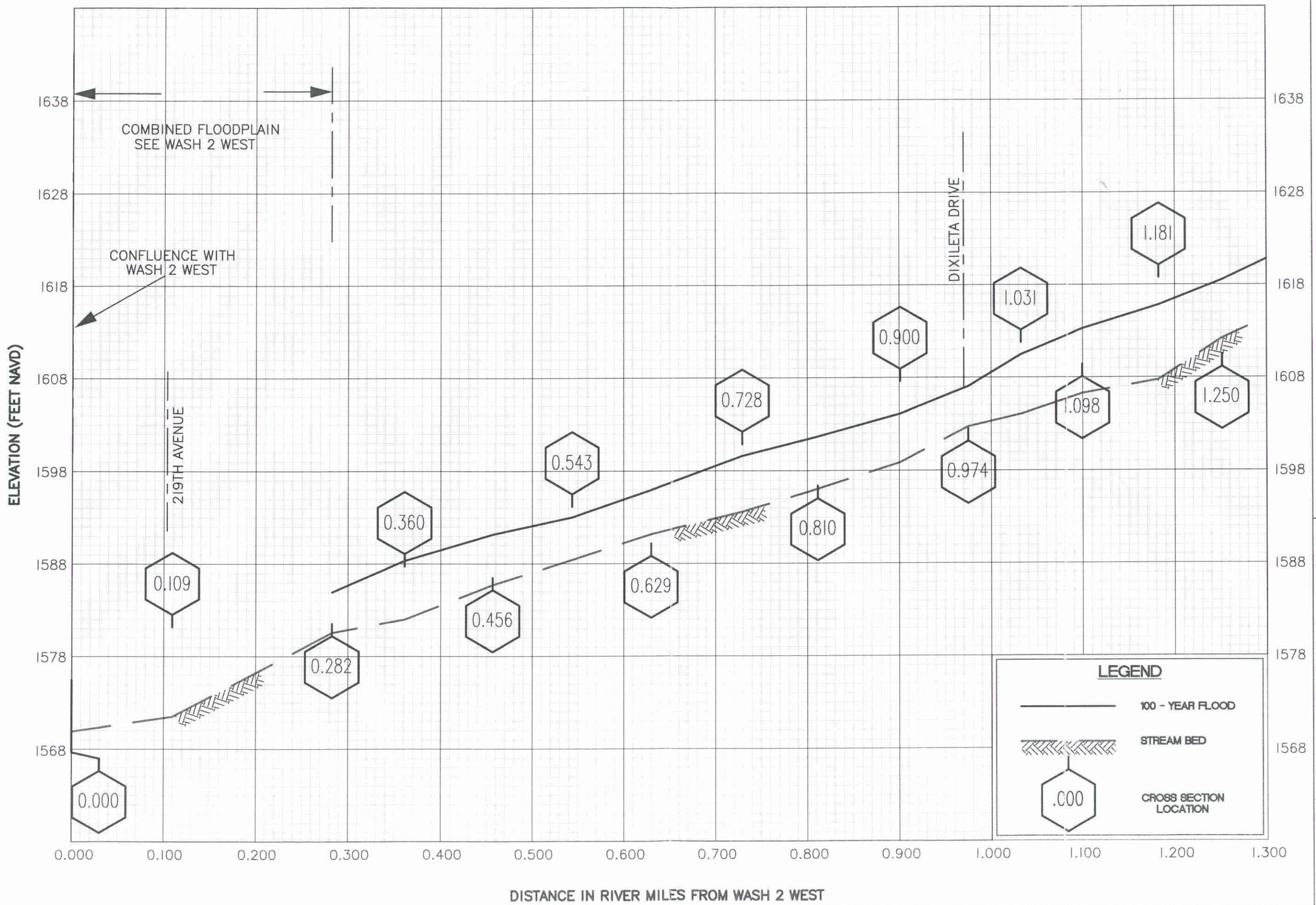
FLOOD PROFILES

2 WEST

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU
FLOOD DELINEATION STUDY

Profile_2 .dwg
Date: 07-27-05



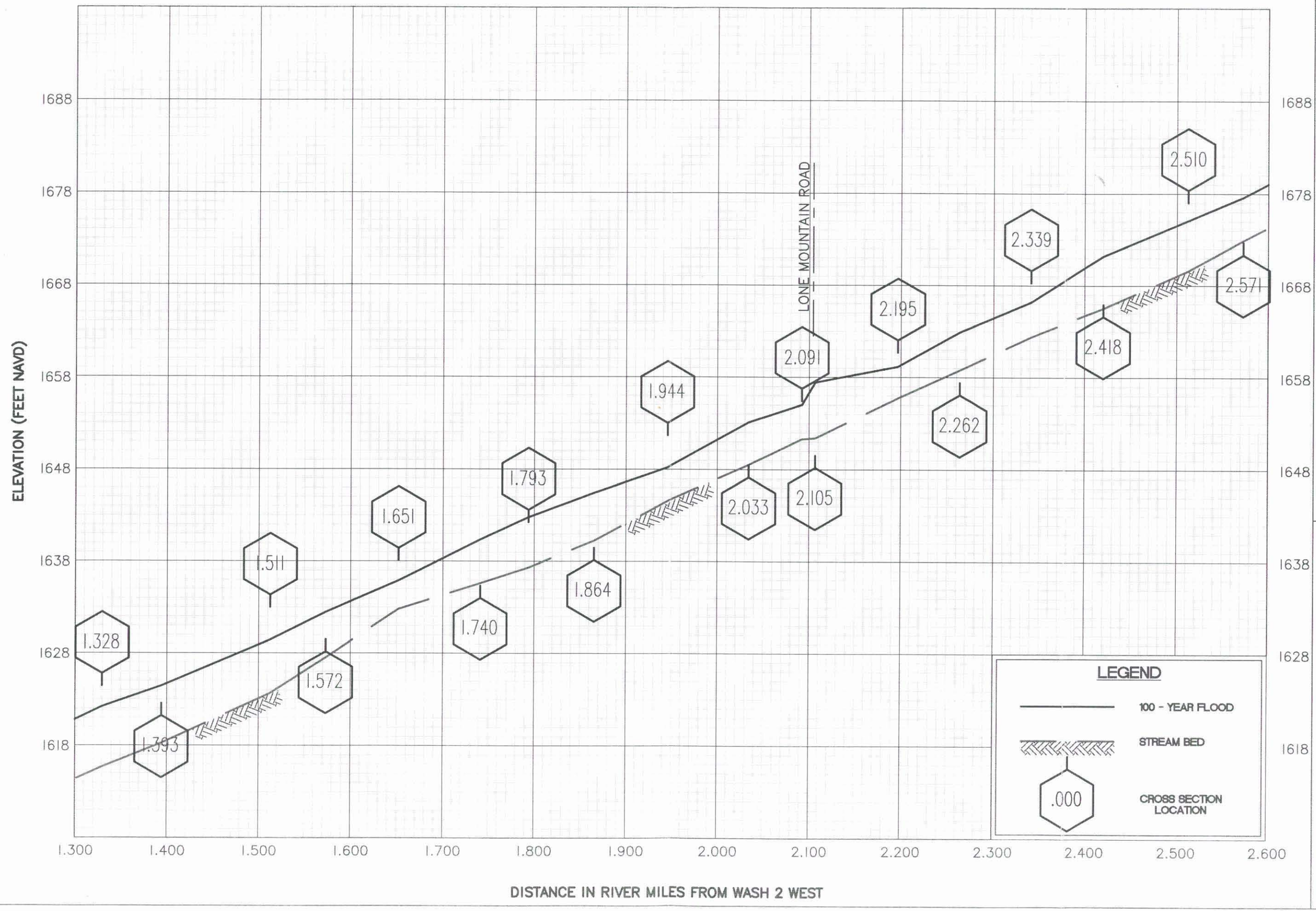
FLOOD PROFILES

2 WEST TRIBUTARY 1

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU
FLOOD DELINEATION STUDY

Profile_2W-TRi... 1.dwg
Date: 07-27-05



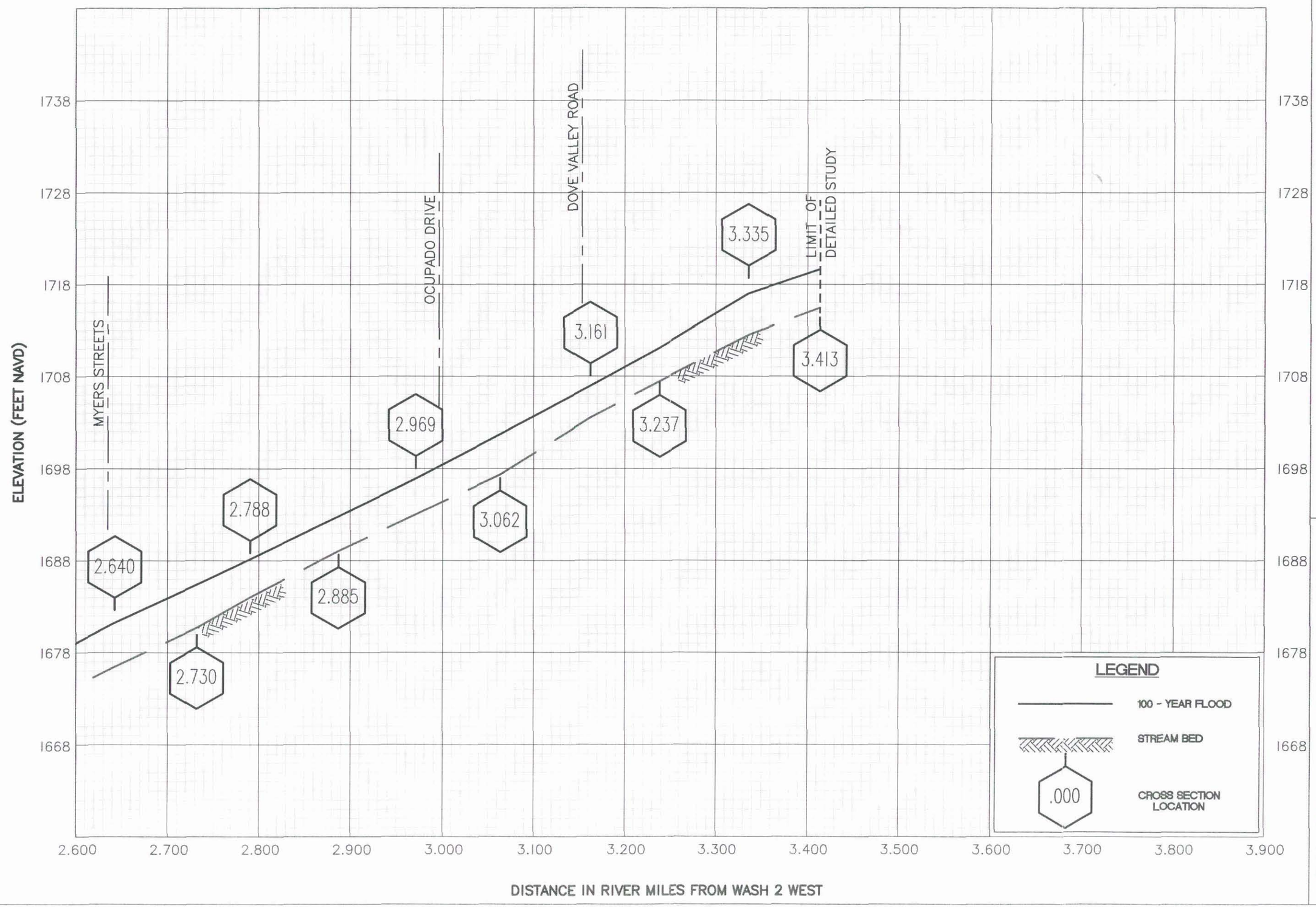
FLOOD PROFILES

2 WEST TRIBUTARY 1

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU
FLOOD DELINEATION STUDY

Profile_2W-TRIB 1.dwg
Date: 07-27-05



FLOOD PROFILES

2 WEST TRIBUTARY 1

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU
FLOOD DELINEATION STUDY

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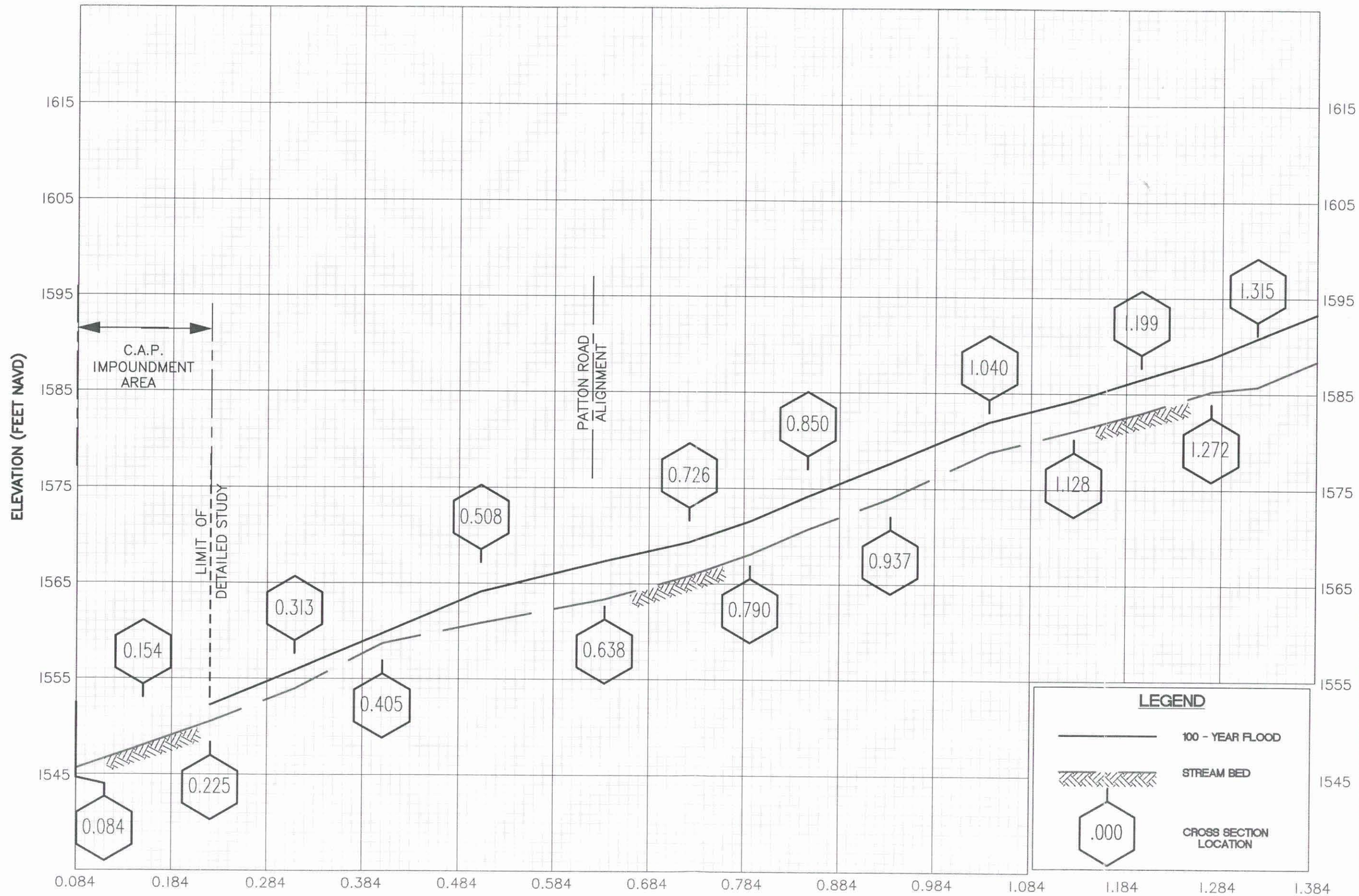

FLOOD PROFILES

2 WEST TRIBUTARY 2

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU

FLOOD DELINEATION STUDY

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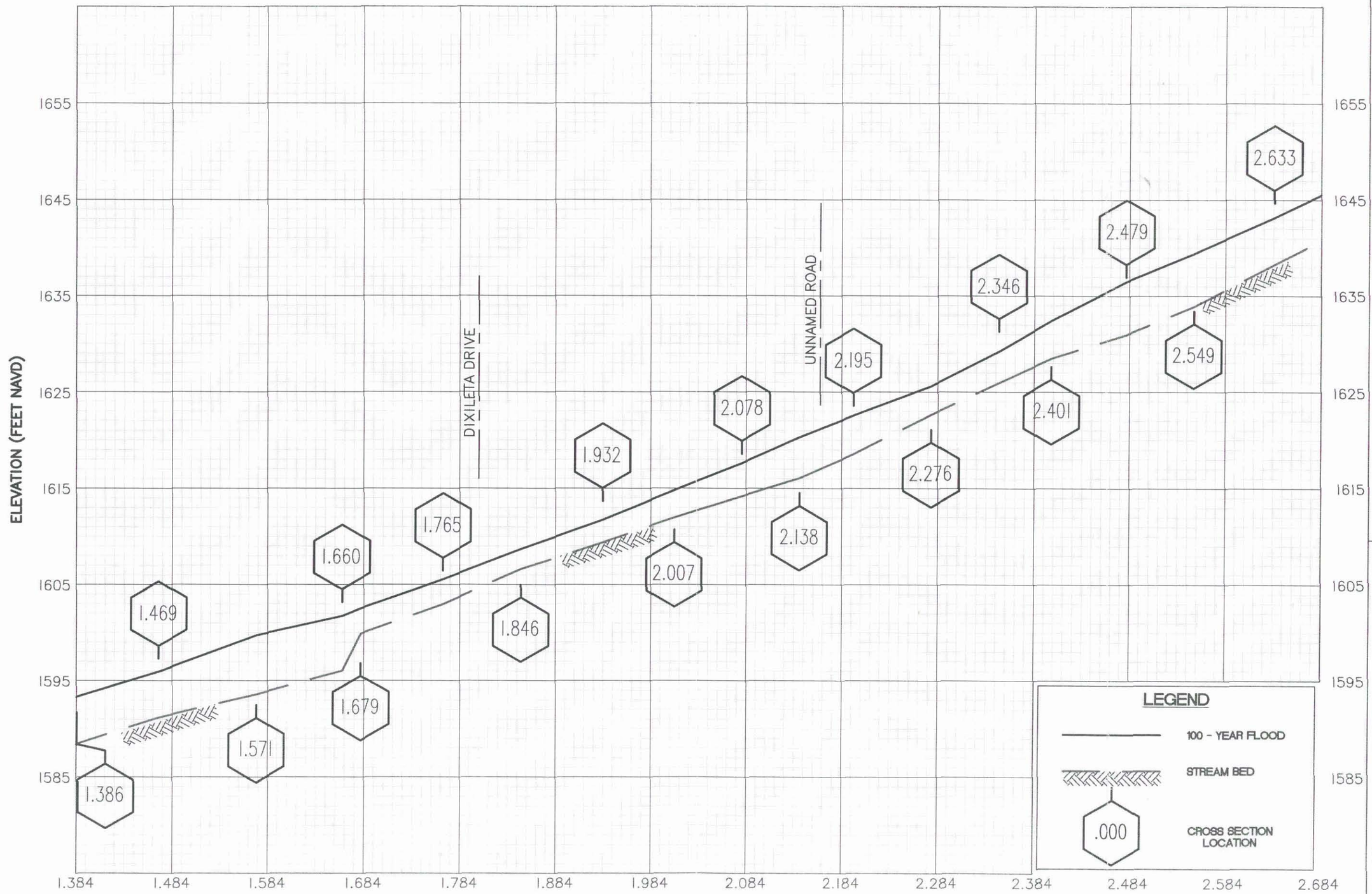

FLOOD PROFILES

2 WEST TRIBUTARY 2

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU

FLOOD DELINEATION STUDY

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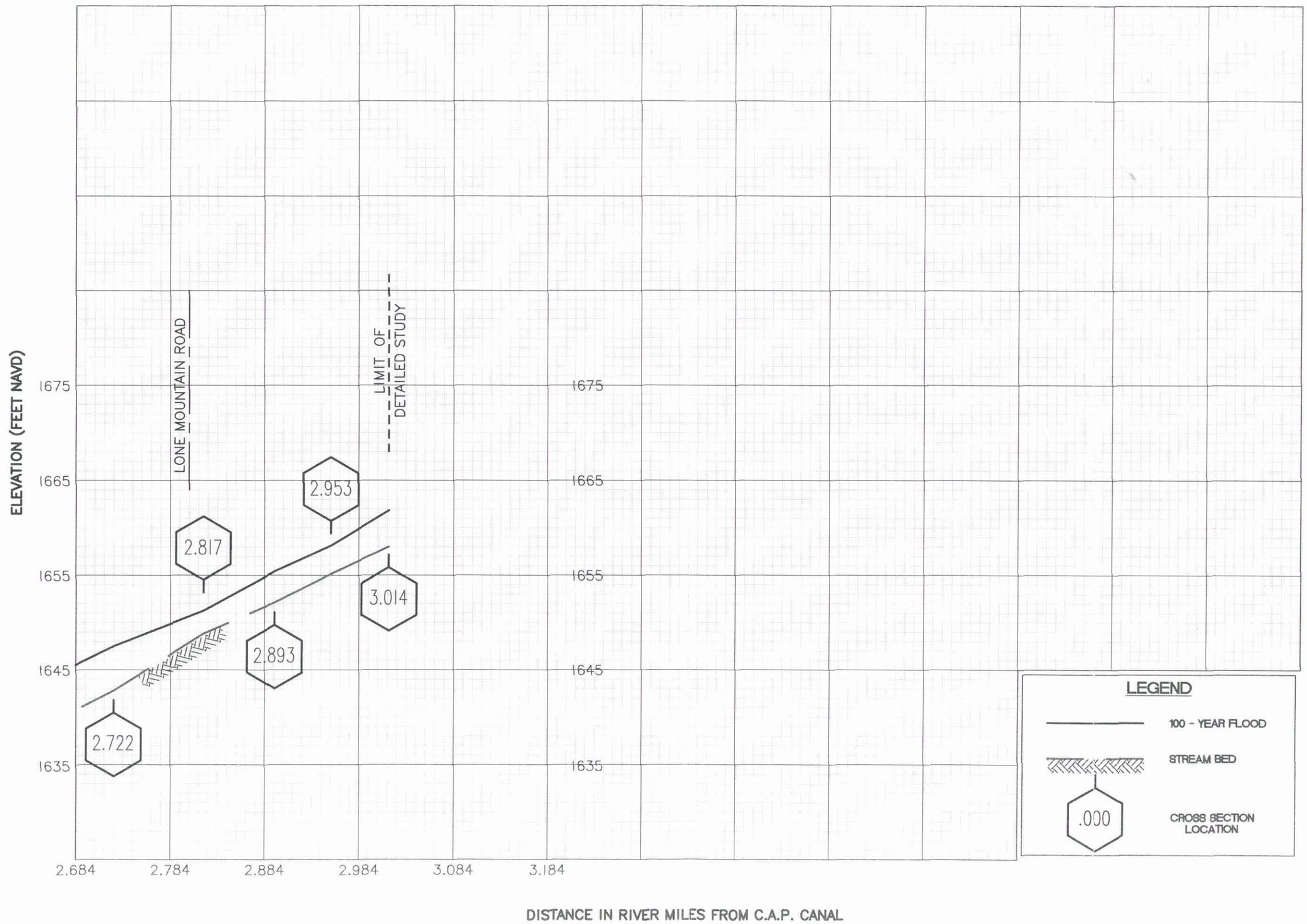

FLOOD PROFILES

2 WEST TRIBUTARY 2

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU
FLOOD DELINEATION STUDY

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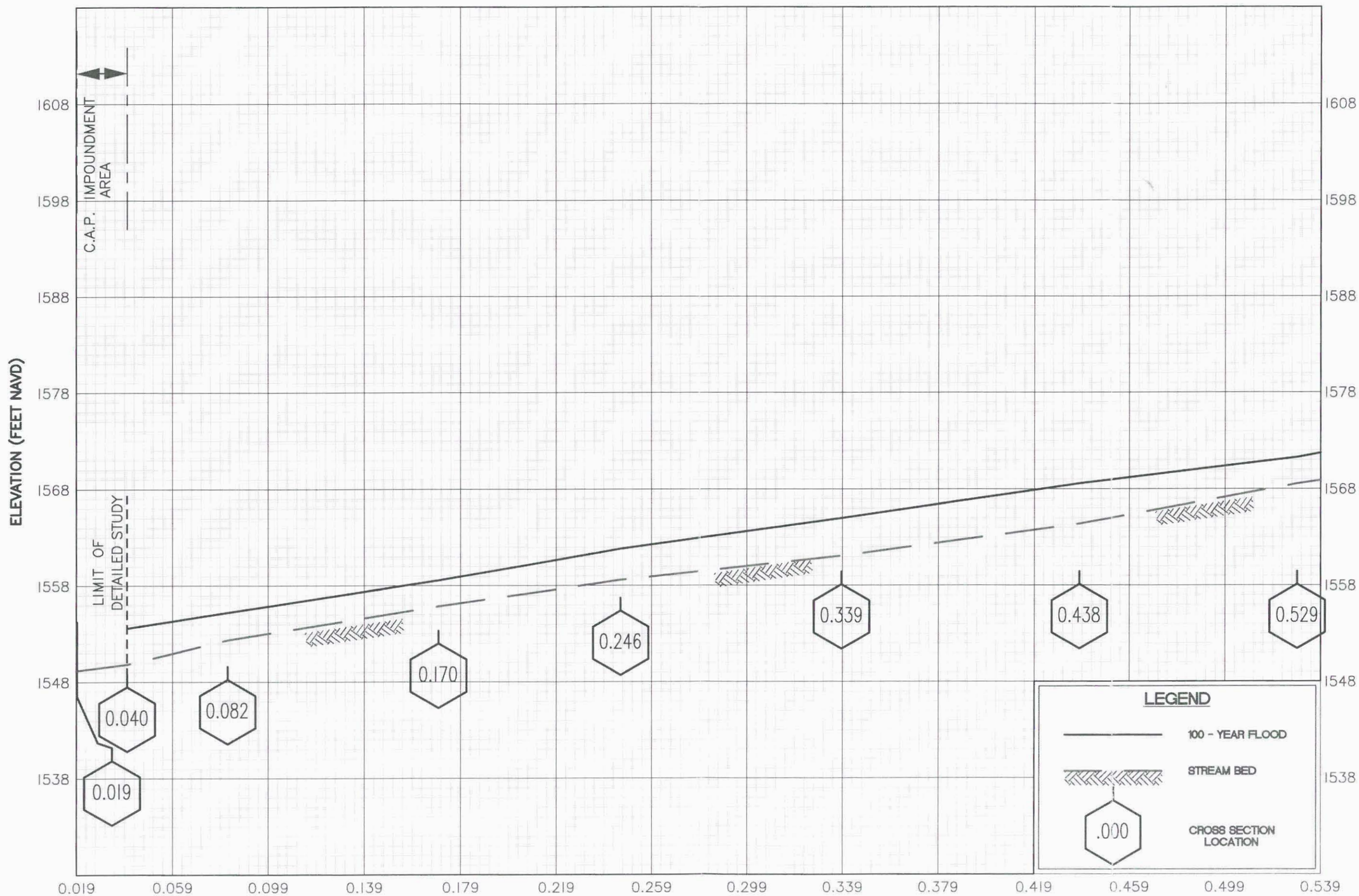


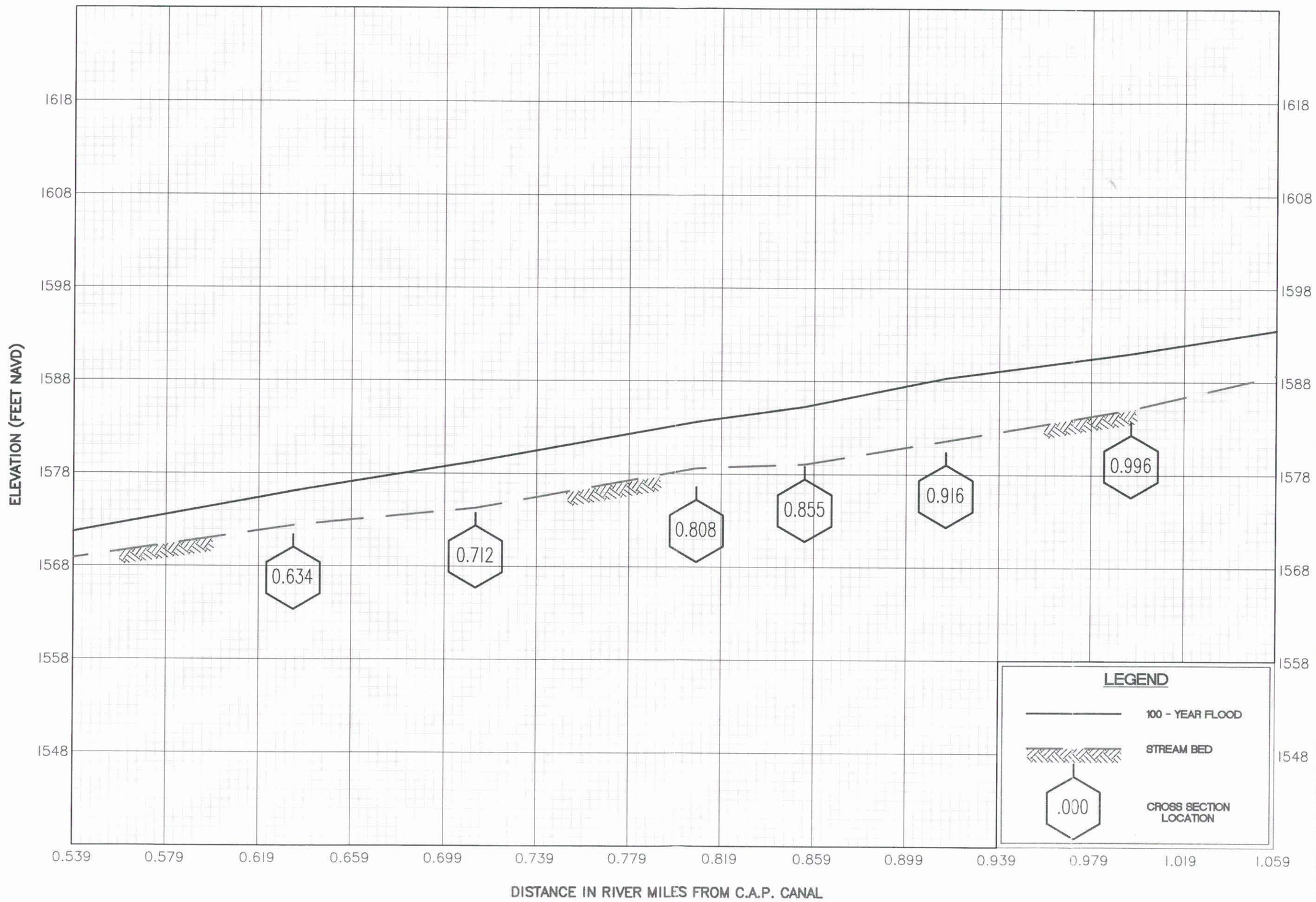
FLOOD PROFILES

WITTMANN WASH

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU
FLOOD DELINEATION STUDY

Profile_WITTMA ASH.dwg
Date: 07-27-05



FLOOD PROFILES

WITTMANN WASH

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU
FLOOD DELINEATION STUDY

Profile_WITTMA ASH.dwg
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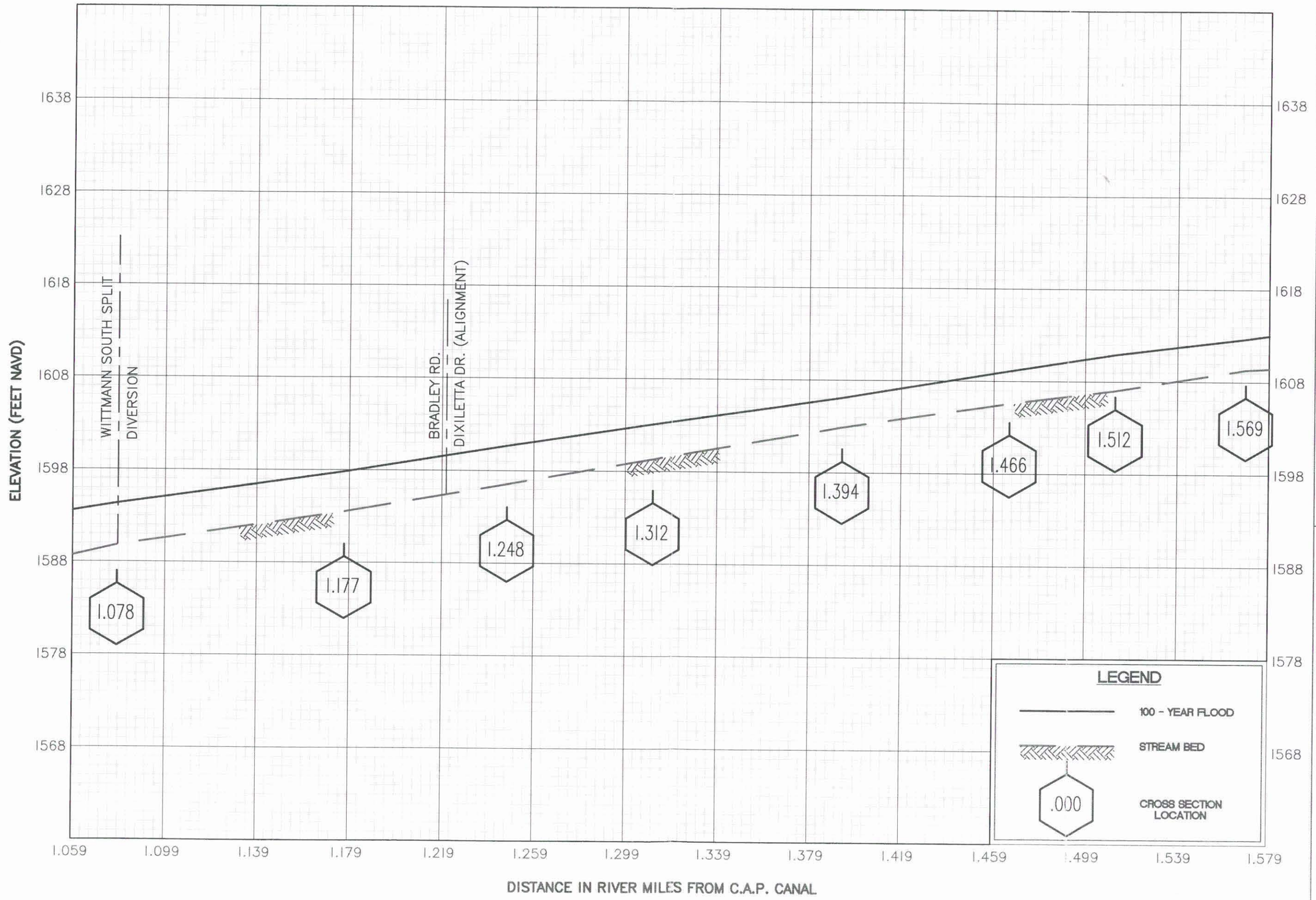

FLOOD PROFILES

WITTMANN WASH

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU
FLOOD DELINEATION STUDY

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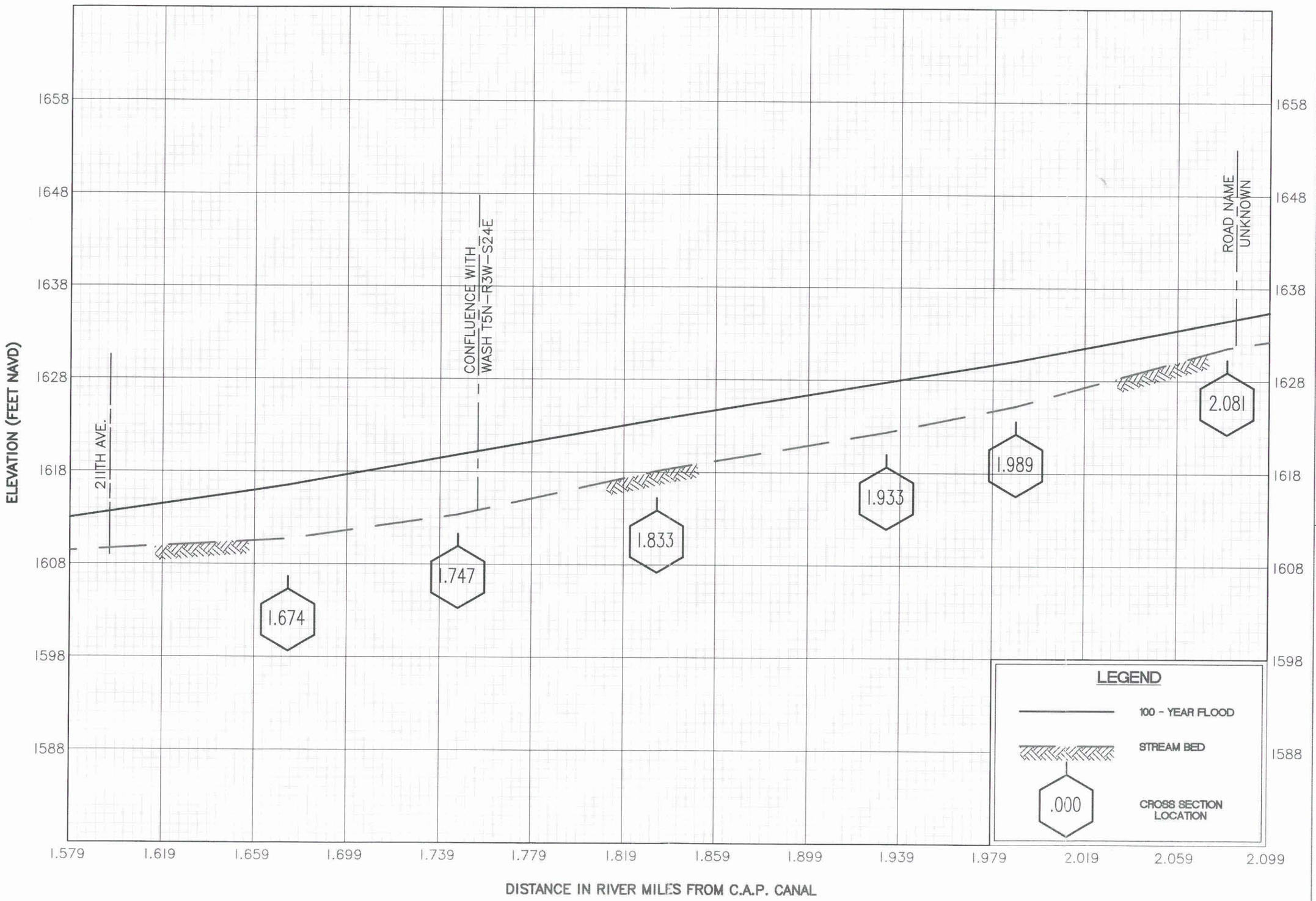

FLOOD PROFILES

WITTMANN WASH

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU
FLOOD DELINEATION STUDY

Profile_WITTMA ASH.dwg
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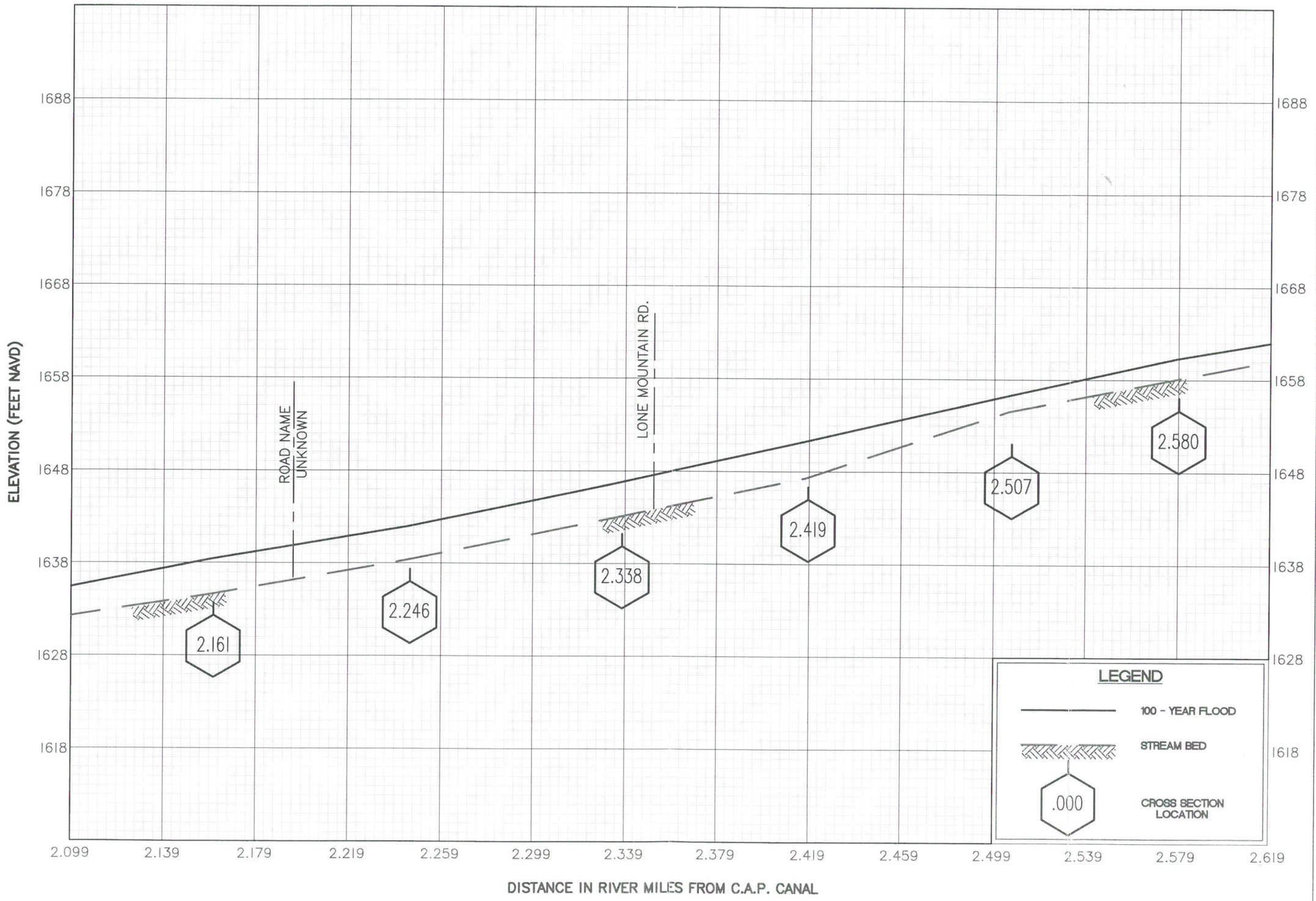

FLOOD PROFILES

WITTMANN WASH

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU
FLOOD DELINEATION STUDY

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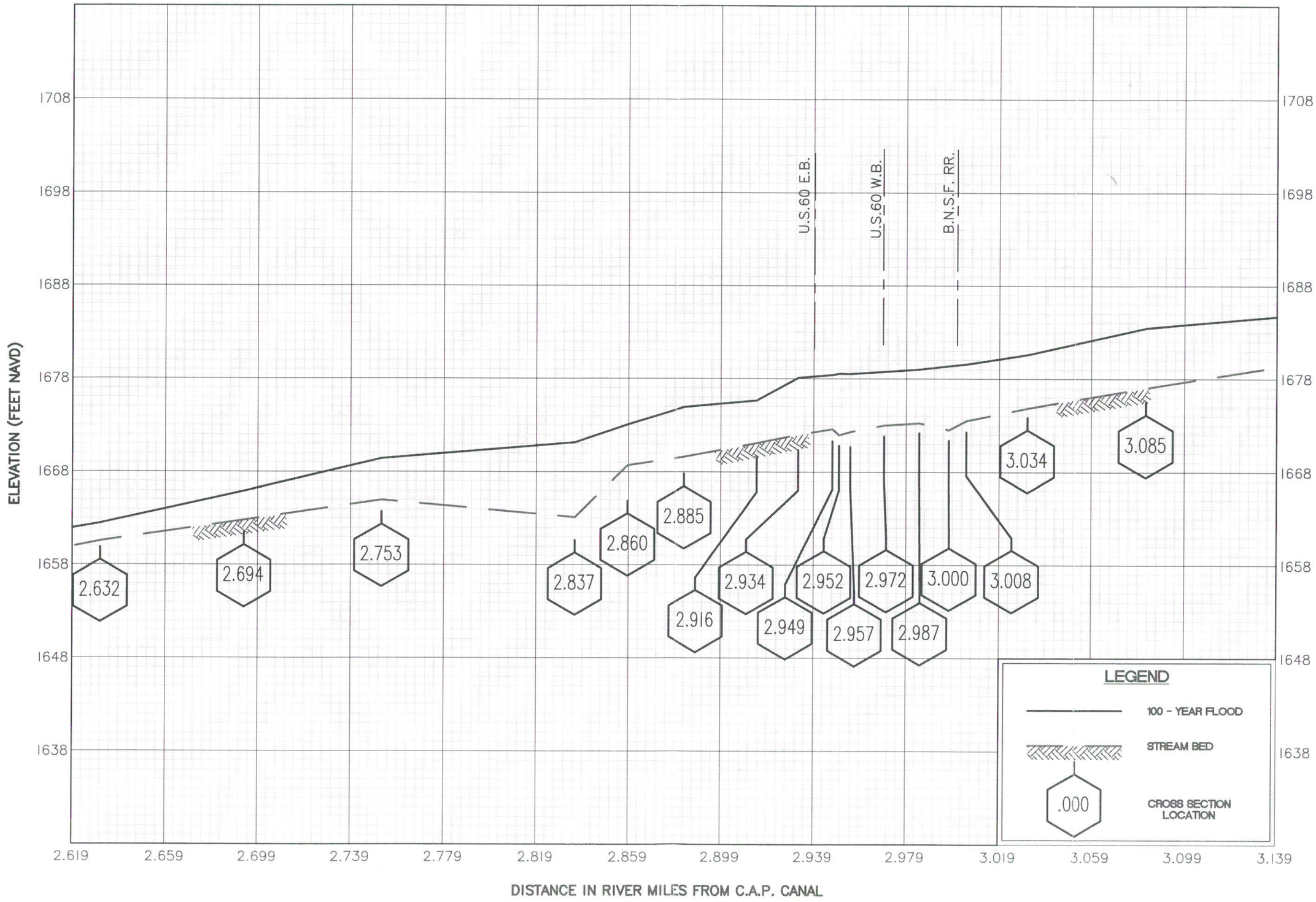

FLOOD PROFILES

WITTMANN WASH

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU

FLOOD DELINEATION STUDY

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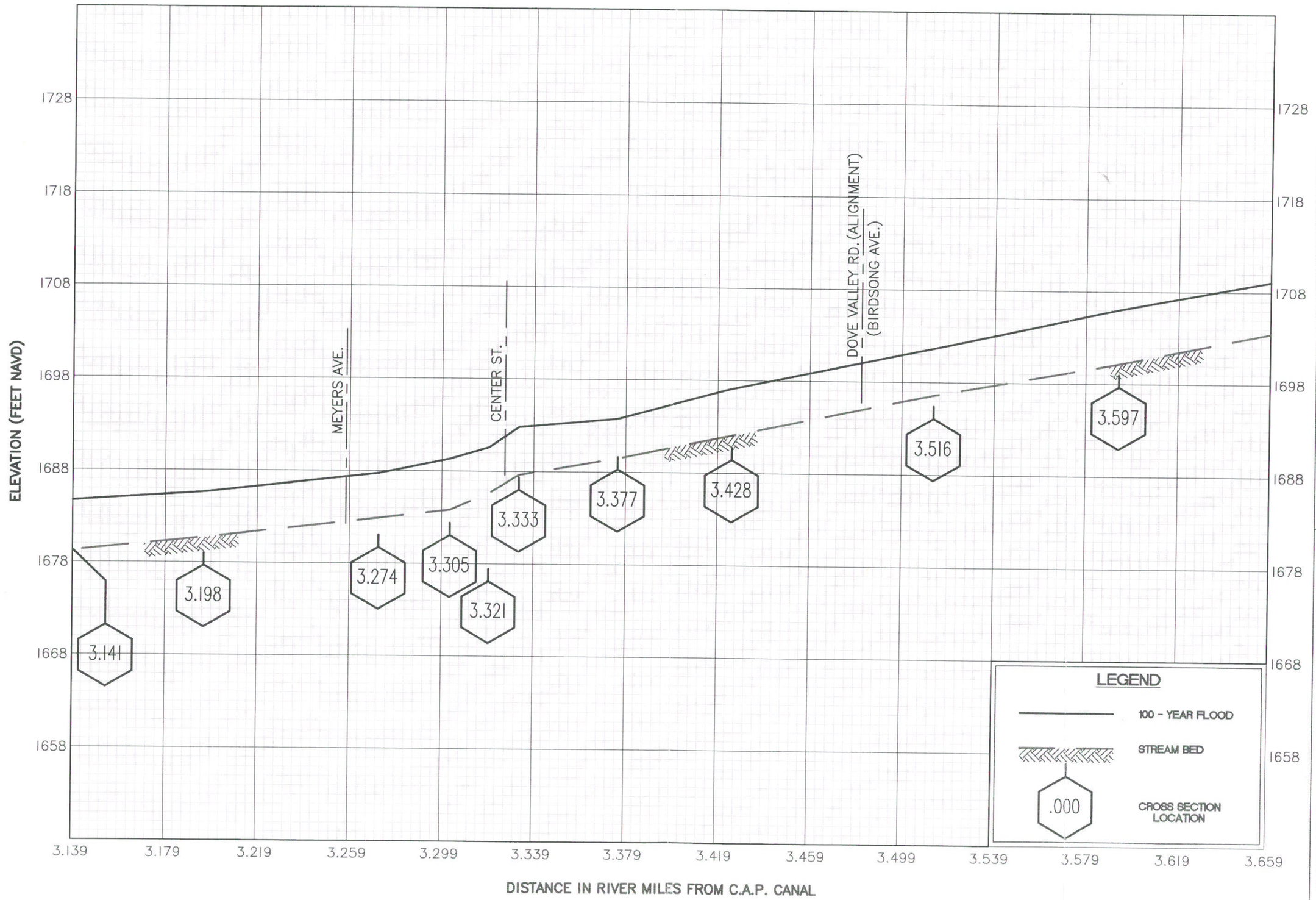


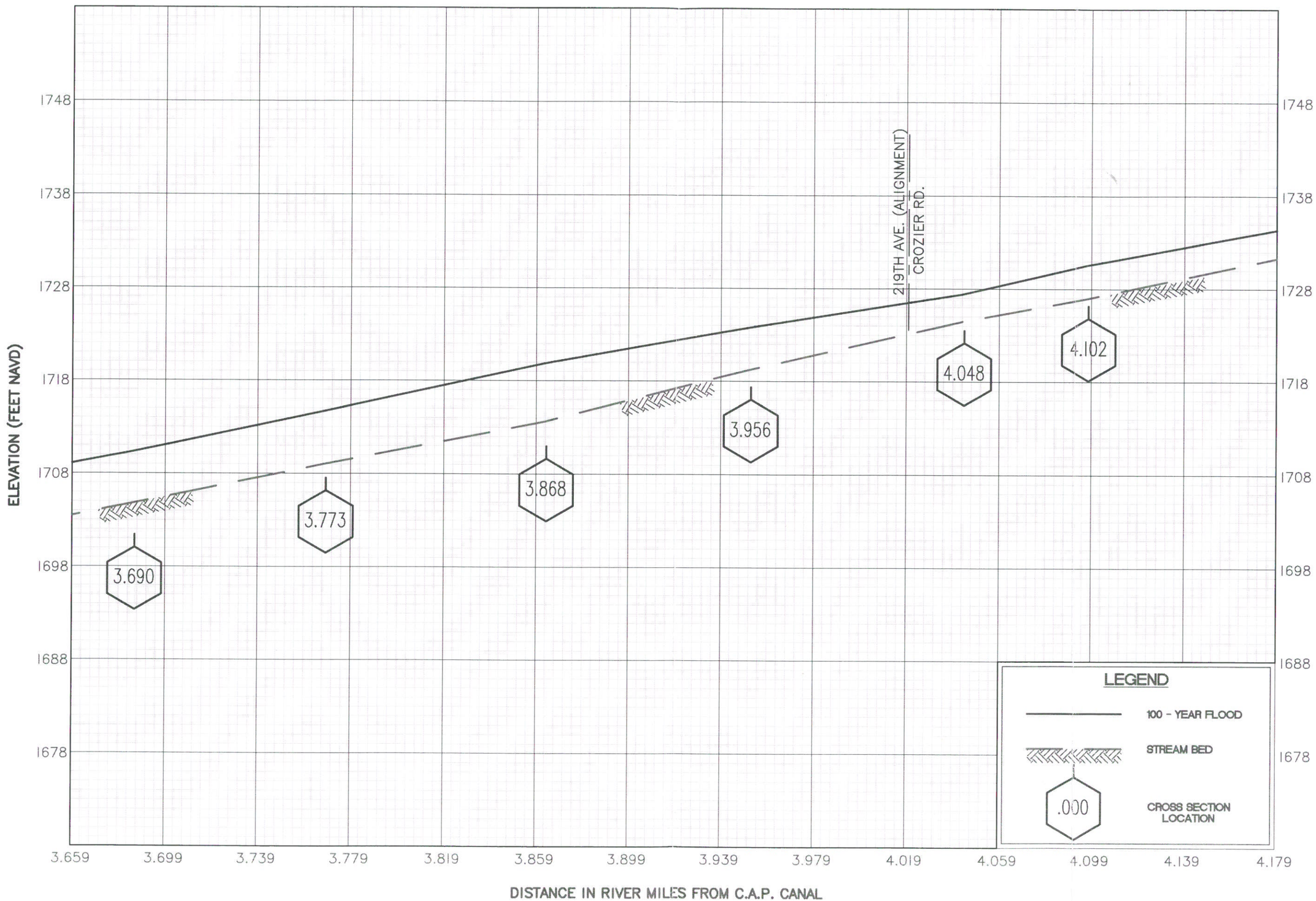
FLOOD PROFILES

WITTMANN WASH

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU
FLOOD DELINEATION STUDY

Profile_WITTMA /ASH.dwg
Date: 07-27-05



FLOOD PROFILES

WITTMANN WASH

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU
FLOOD DELINEATION STUDY

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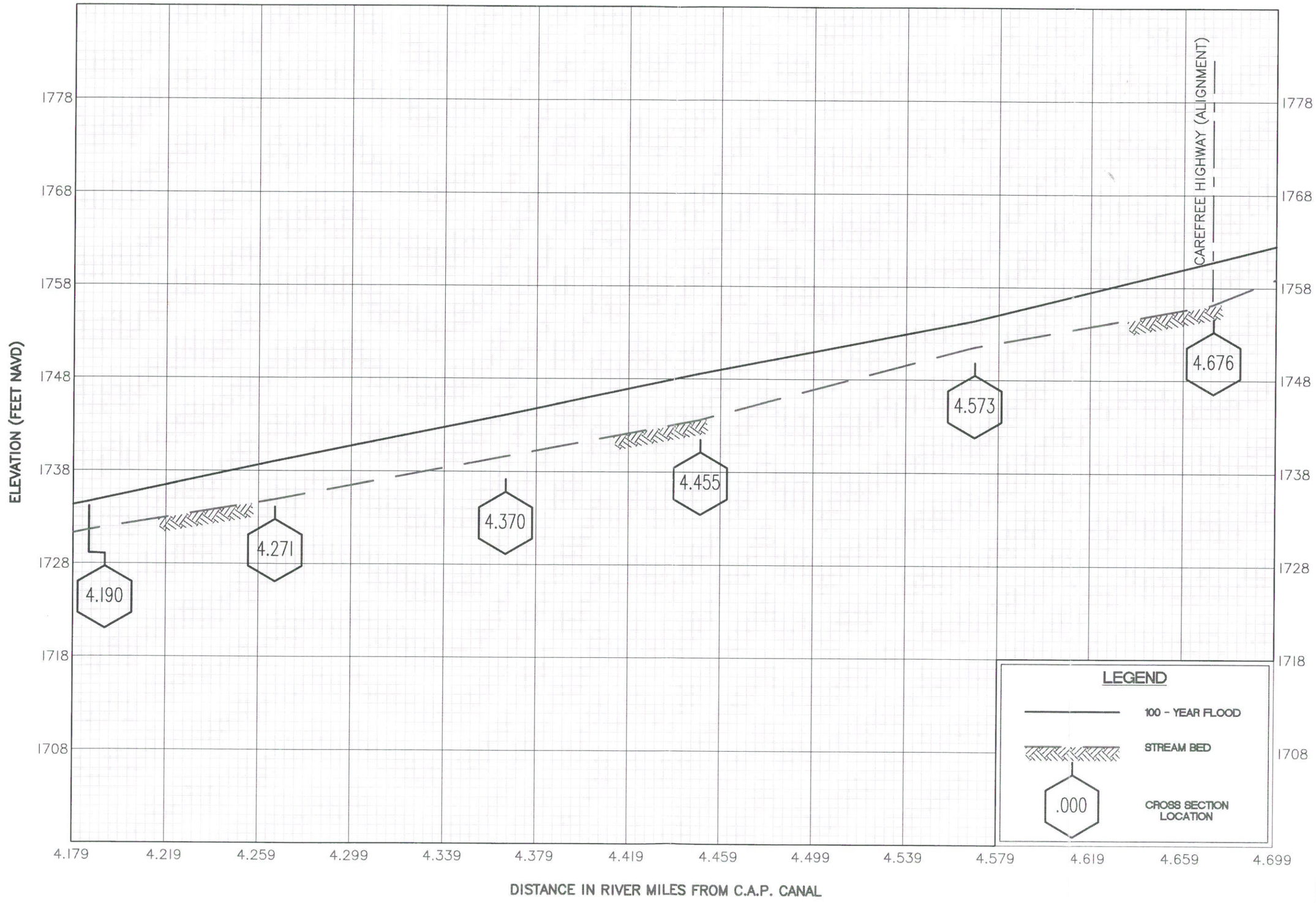

FLOOD PROFILES

WITTMANN WASH

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU
FLOOD DELINEATION STUDY

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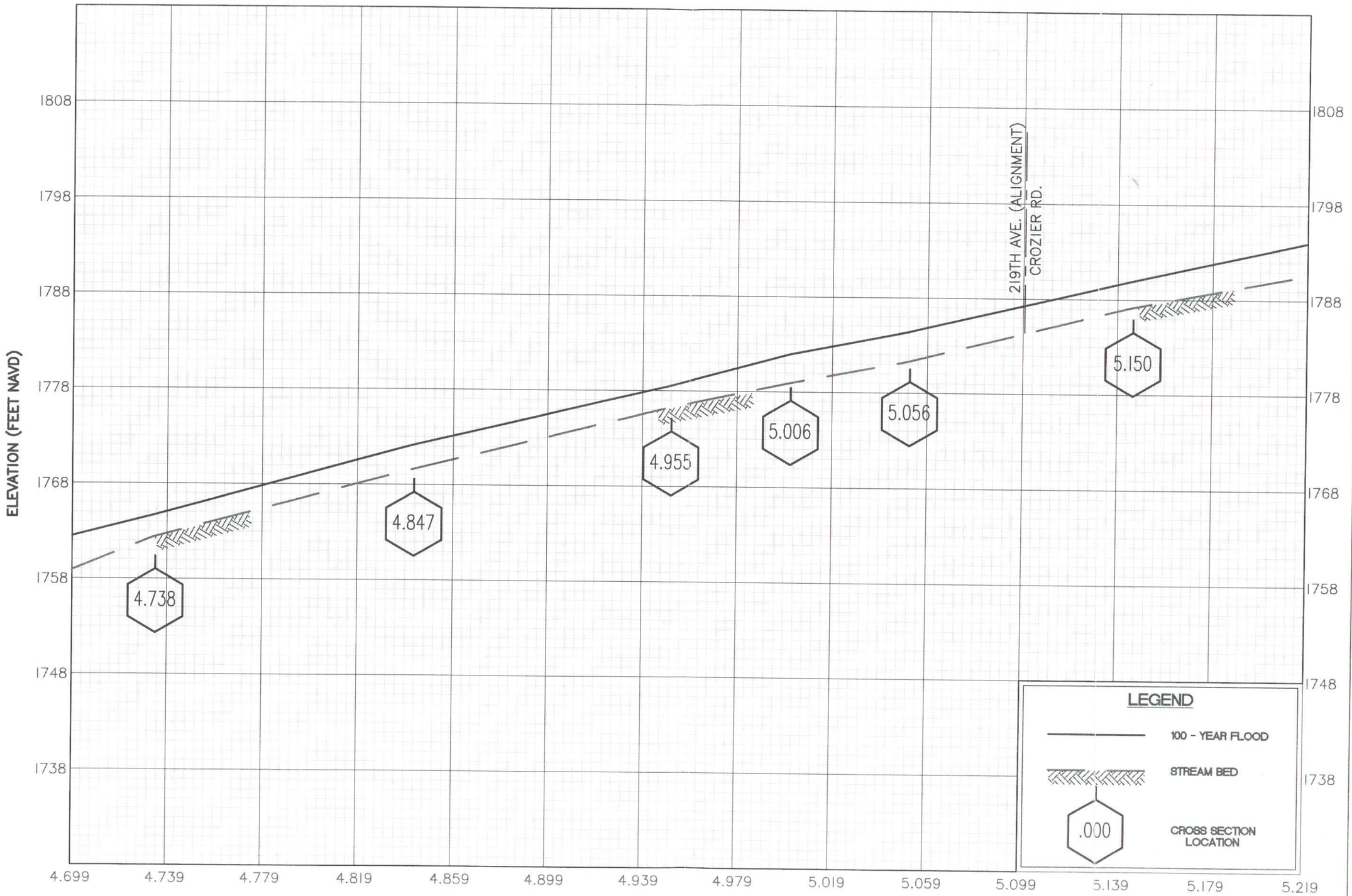

FLOOD PROFILES

WITTMANN WASH

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU
FLOOD DELINEATION STUDY

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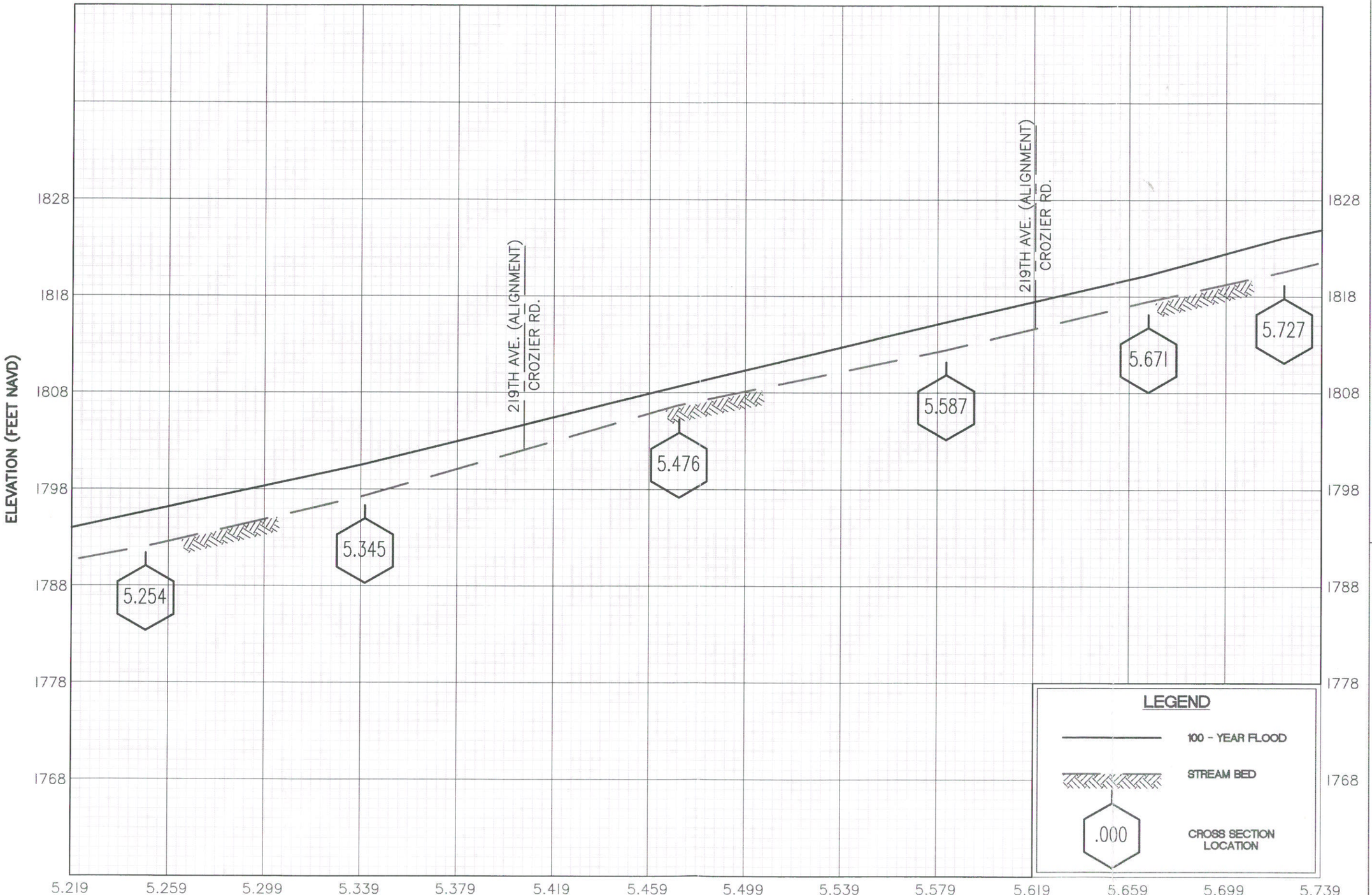


FLOOD PROFILES

WITTMANN WASH

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU
FLOOD DELINEATION STUDY

Profile_WITTMA. /ASH.dwg
Date: 07-27-05

FLOOD PROFILES

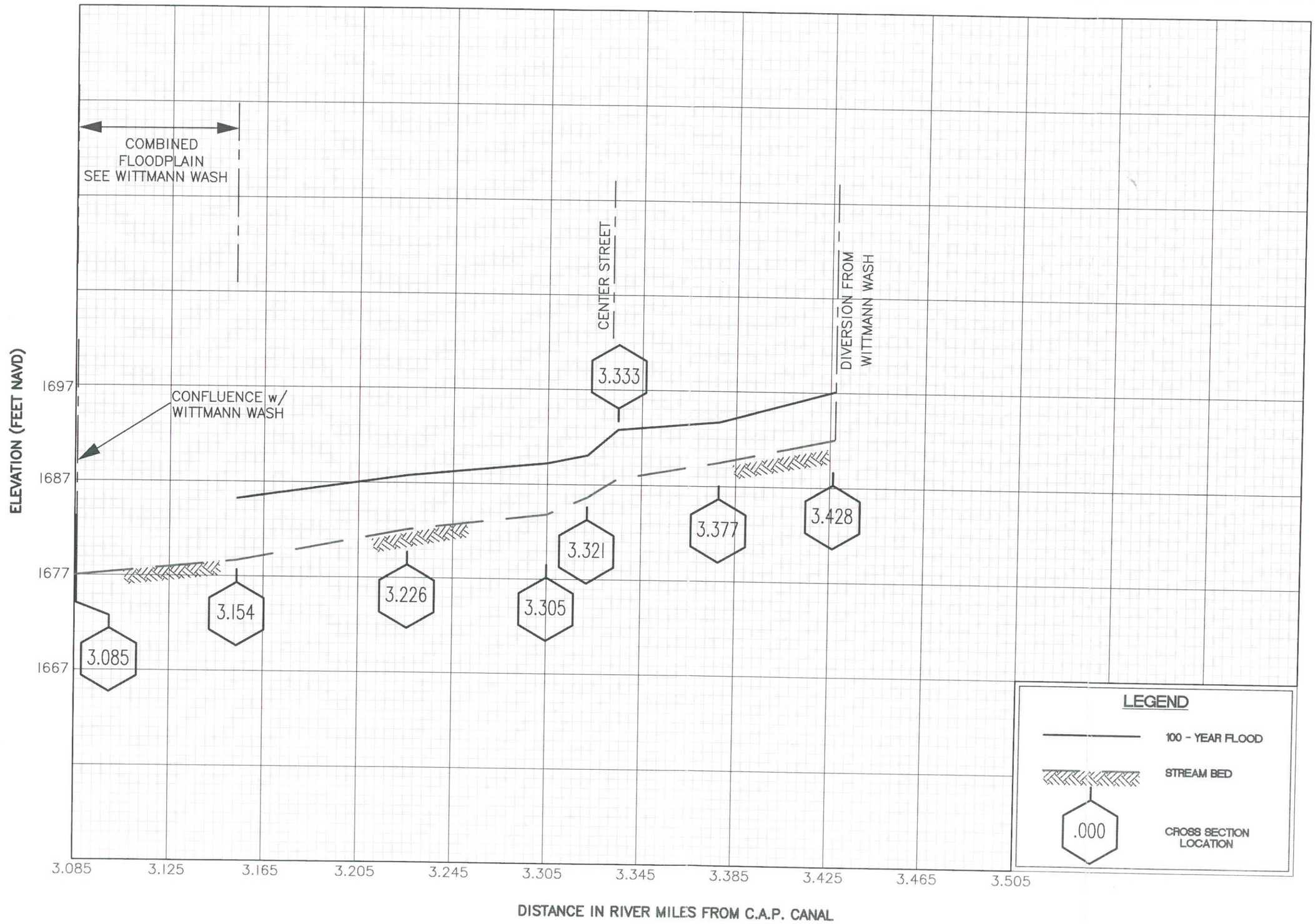
WITTMANN WASH

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU

FLOOD DELINEATION STUDY

Profile_WITTMA /ASH.dwg
Date: 07-27-05



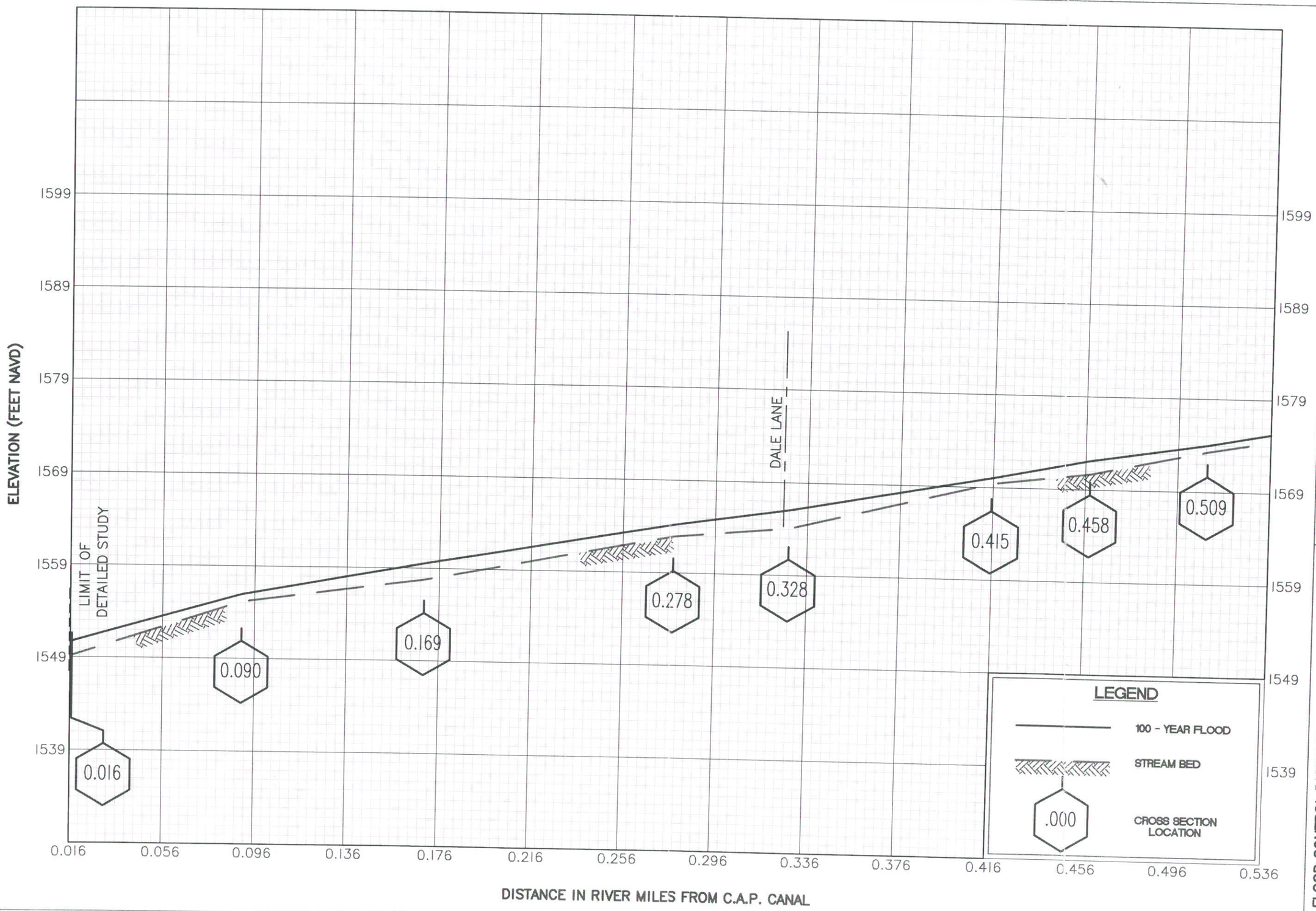
FLOOD PROFILES

WITTMANN WASH NORTH SPLIT

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU
FLOOD DELINEATION STUDY

Profile_WITT_N_d_SPLIT.dwg
Date: 07-27-05



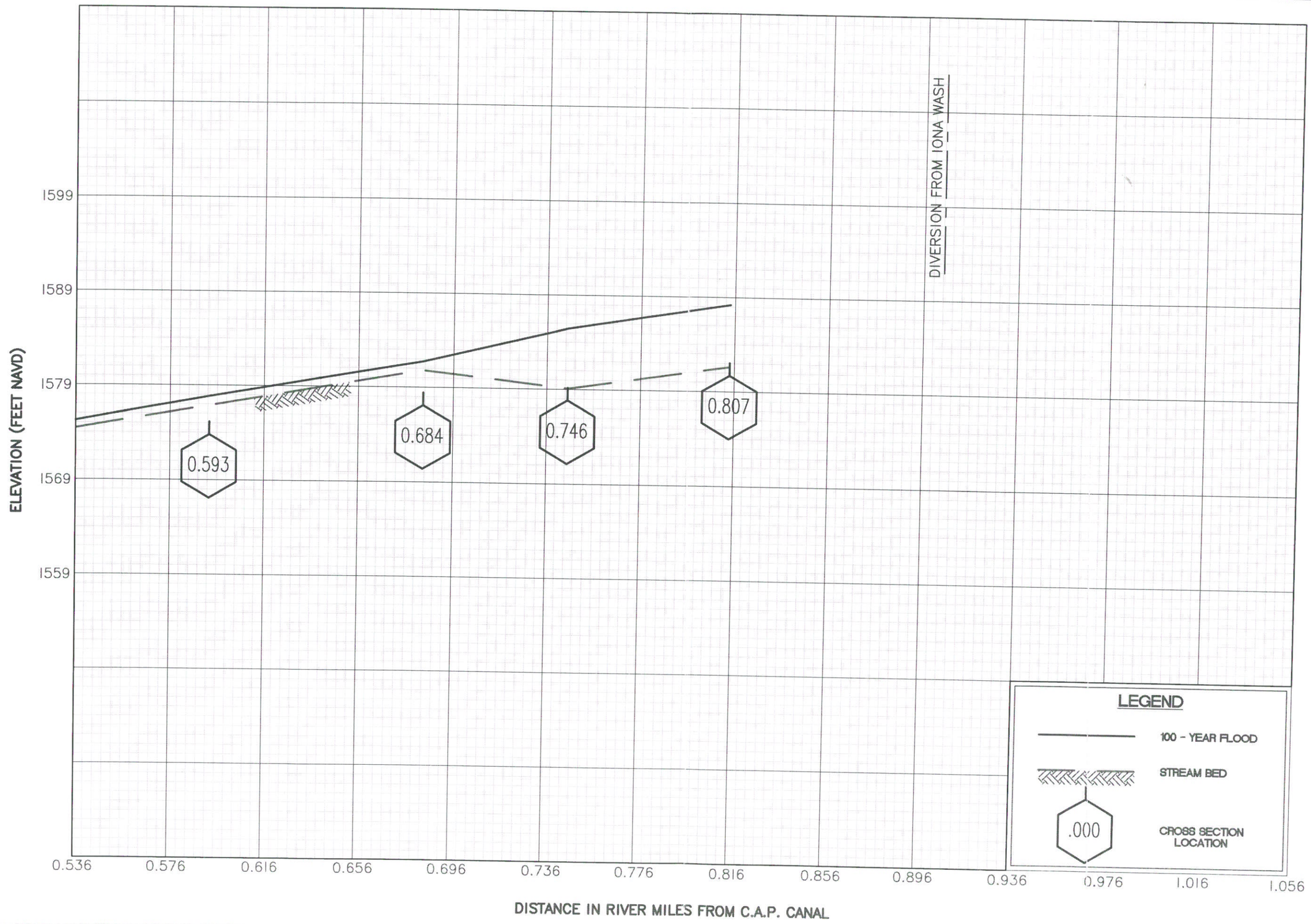
FLOOD PROFILES

WITTMANN WASH SOUTH SPLIT

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU
FLOOD DELINEATION STUDY

Profile_WITT_S .L_SPLIT.dwg
Date: 07-27-05



FLOOD PROFILES

WITTMANN WASH SOUTH SPLIT

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU
FLOOD DELINEATION STUDY

Profile_WITT_S _H_SPLIT.dwg
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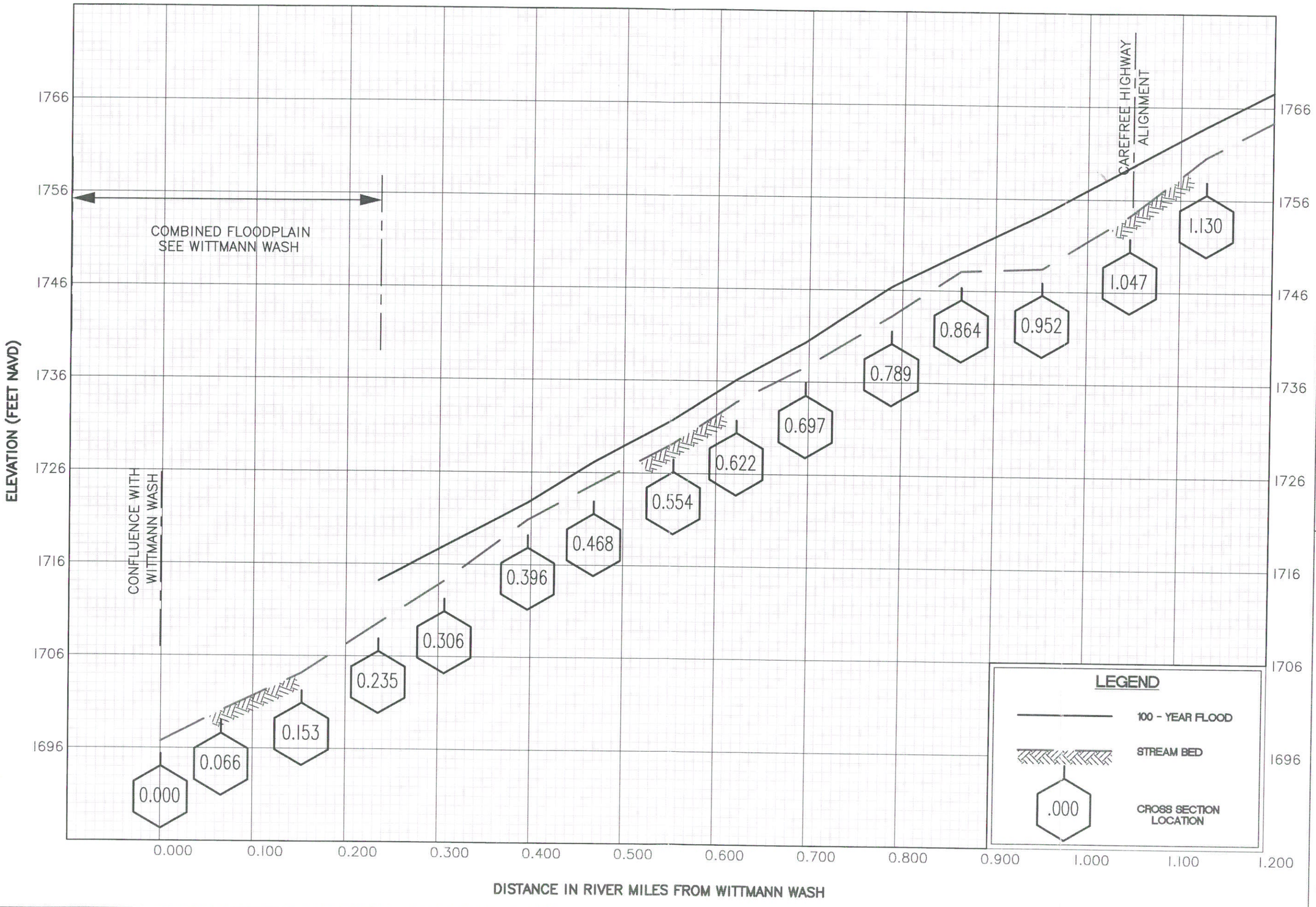


FLOOD PROFILES

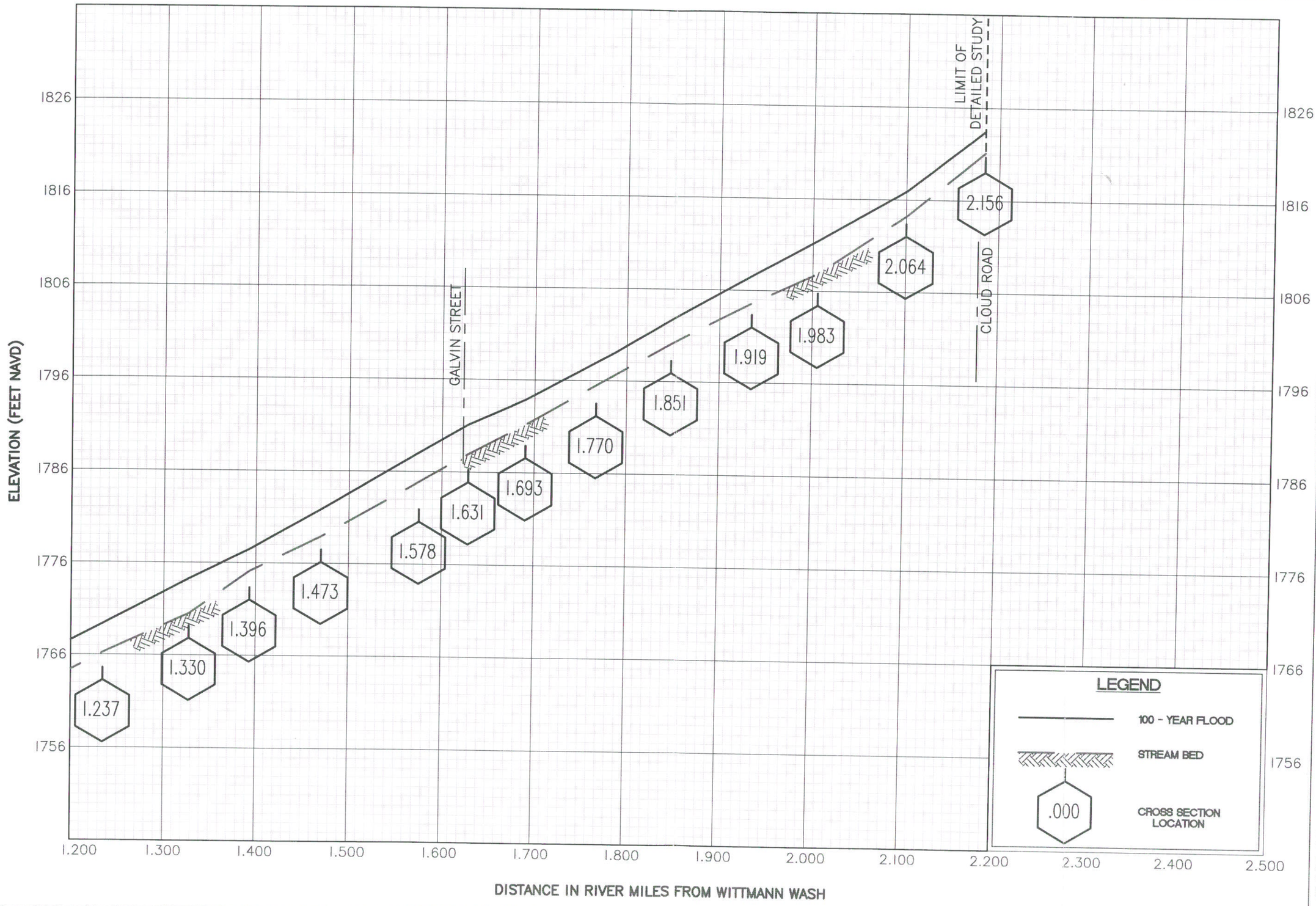
WITTMANN TRIBUTARY

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU

FLOOD DELINEATION STUDY

Profile_WITTMA. .RIBUTARY.dwg
Date: 07-27-05



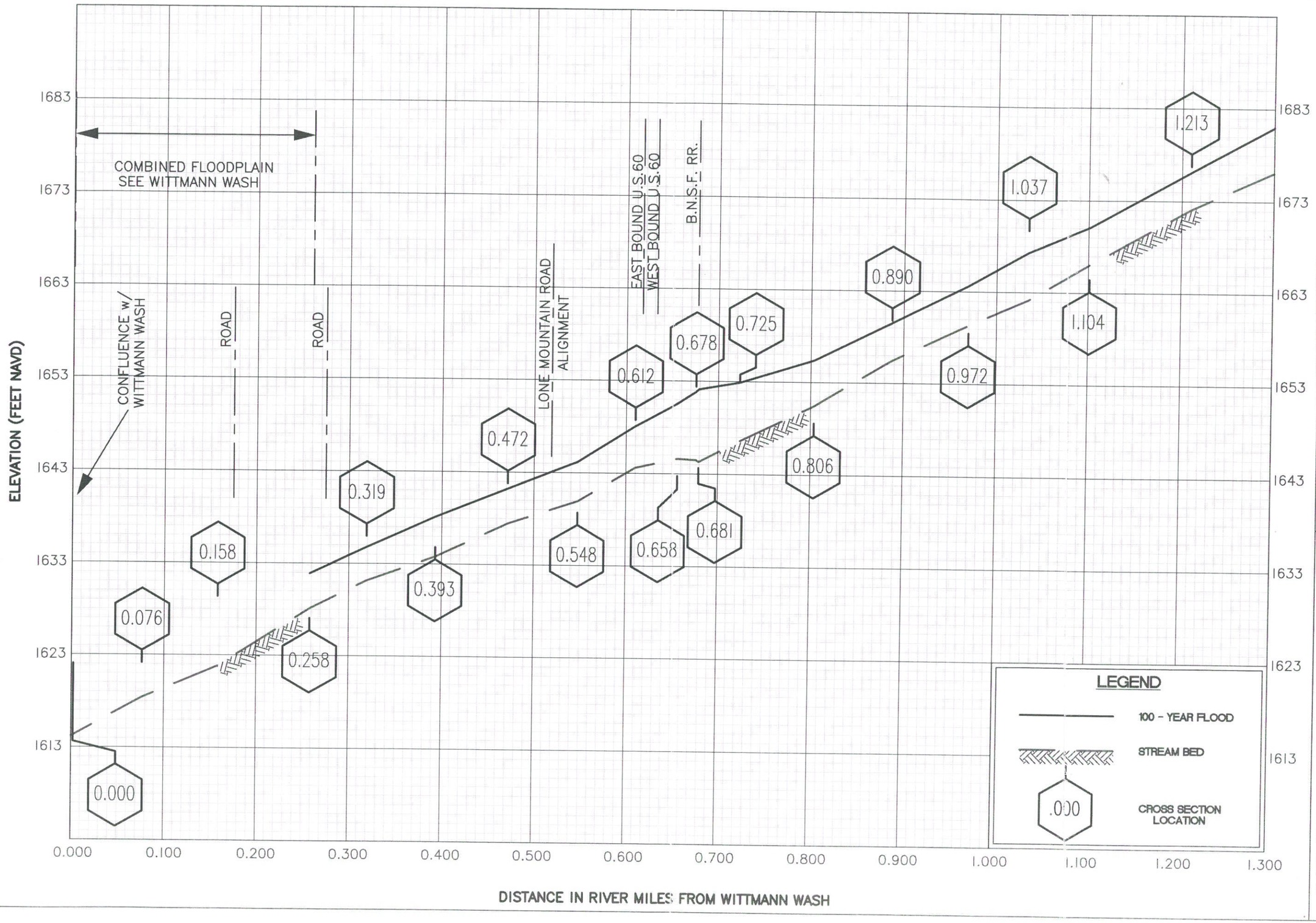
FLOOD PROFILES

WITTMANN TRIBUTARY

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU
FLOOD DELINEATION STUDY

Profile_WITTM- .RIBUTARY.dwg
Date: 07-27-05



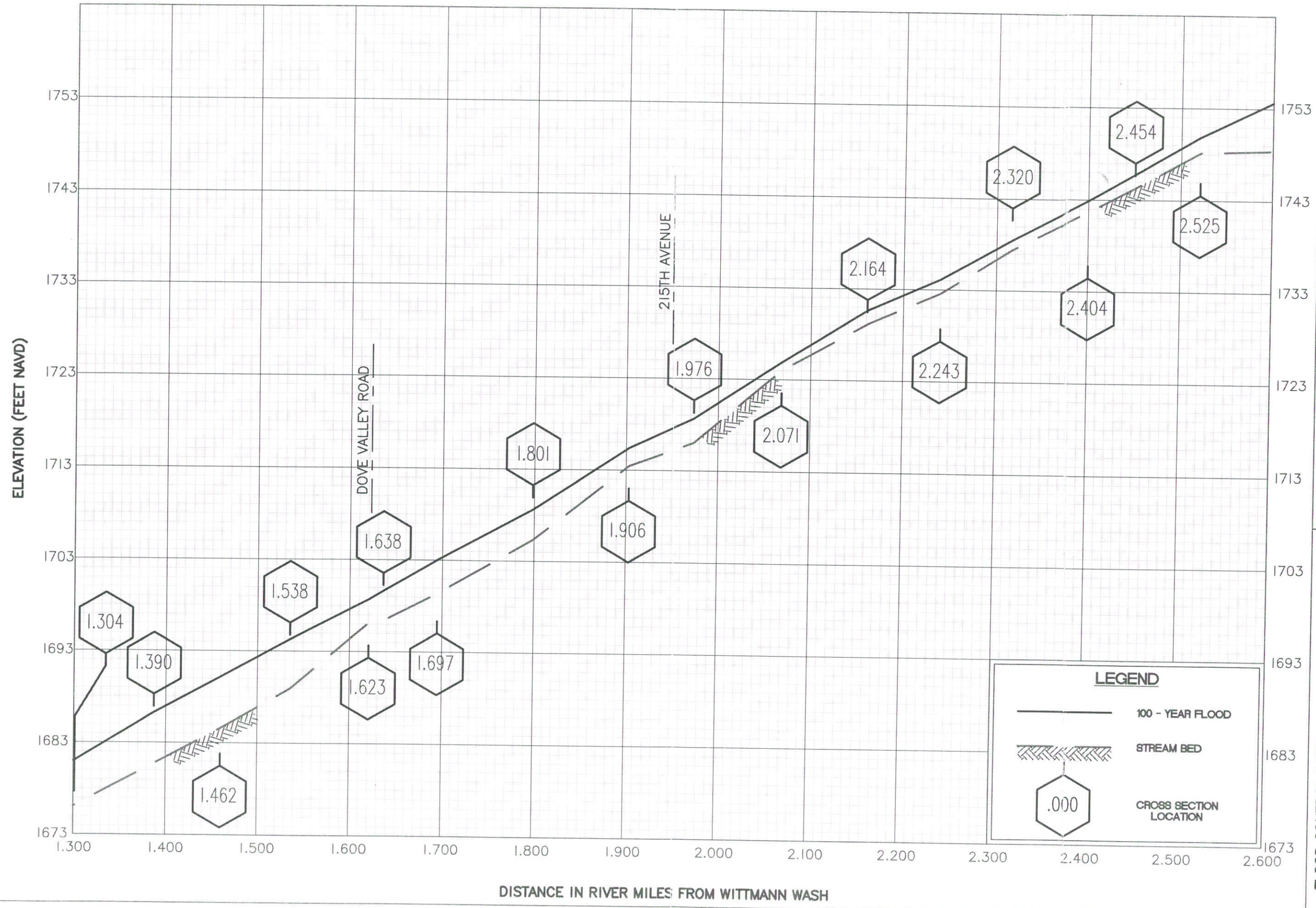
FLOOD PROFILES

T5N-R3W-S24E

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU
FLOOD DELINEATION STUDY

Profile_T5N-R... S24E.dwg
Date: 07-27-05



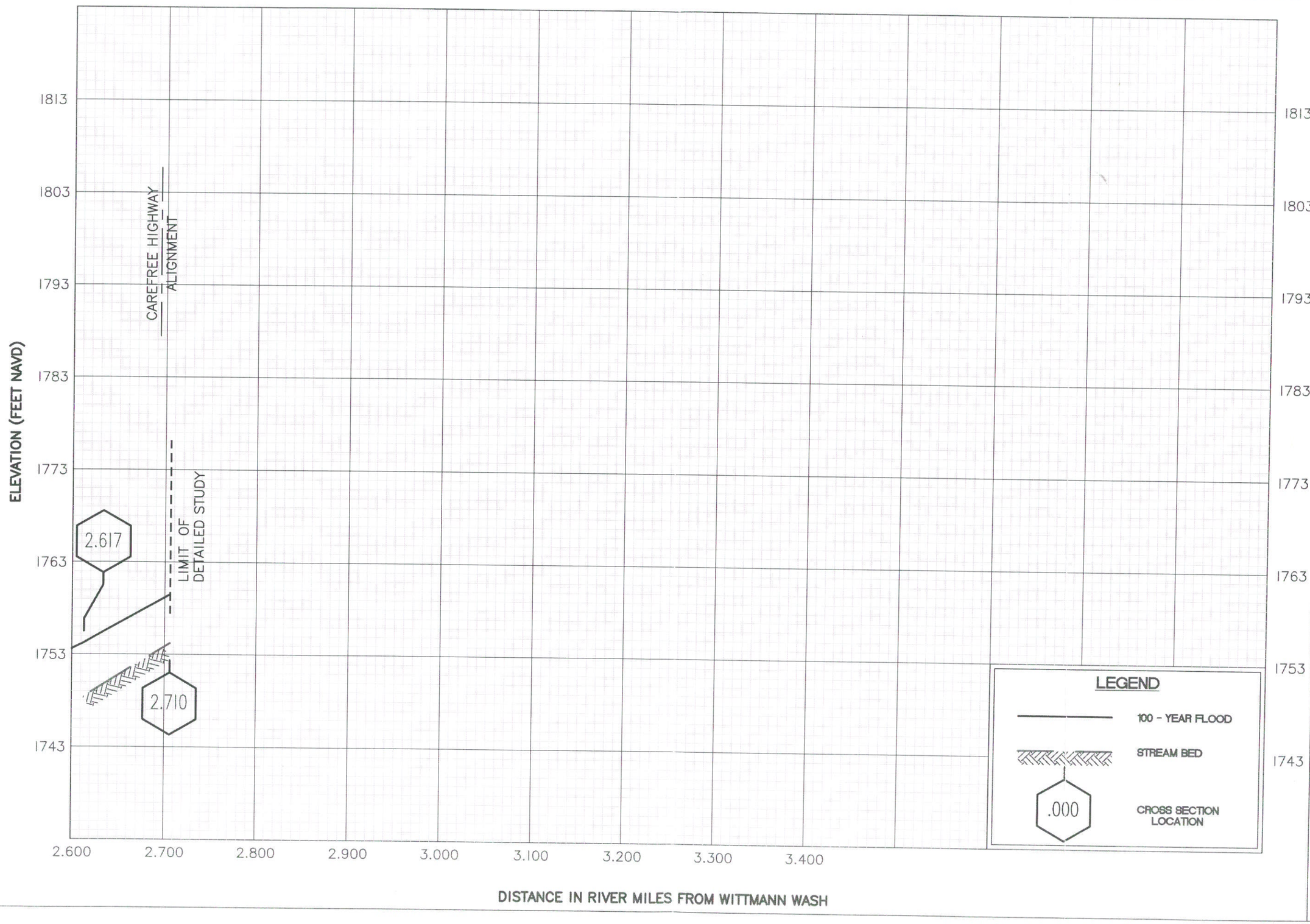
FLOOD PROFILES

T5N-R3W-S24E

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU
FLOOD DELINEATION STUDY

Profile_T5N-R[illegible] S24E.dwg
Date: 07-27-05



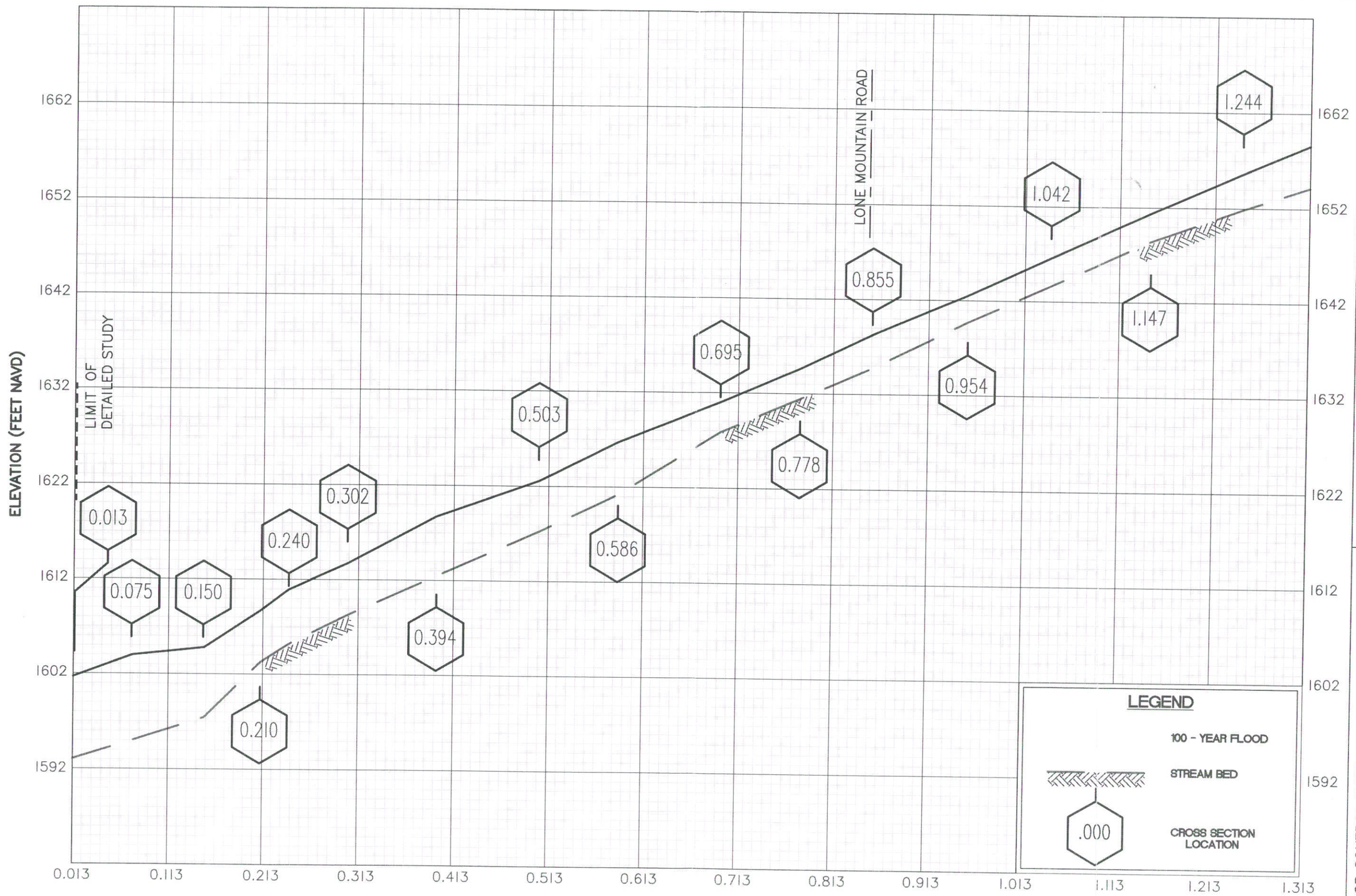
FLOOD PROFILES

T5N-R3W-S24E

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU
FLOOD DELINEATION STUDY

Profile_T5N-R_ S24E.dwg
Date: 07-27-05



FLOOD PROFILES

T5N-R2W-S19E

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU
FLOOD DELINEATION STUDY

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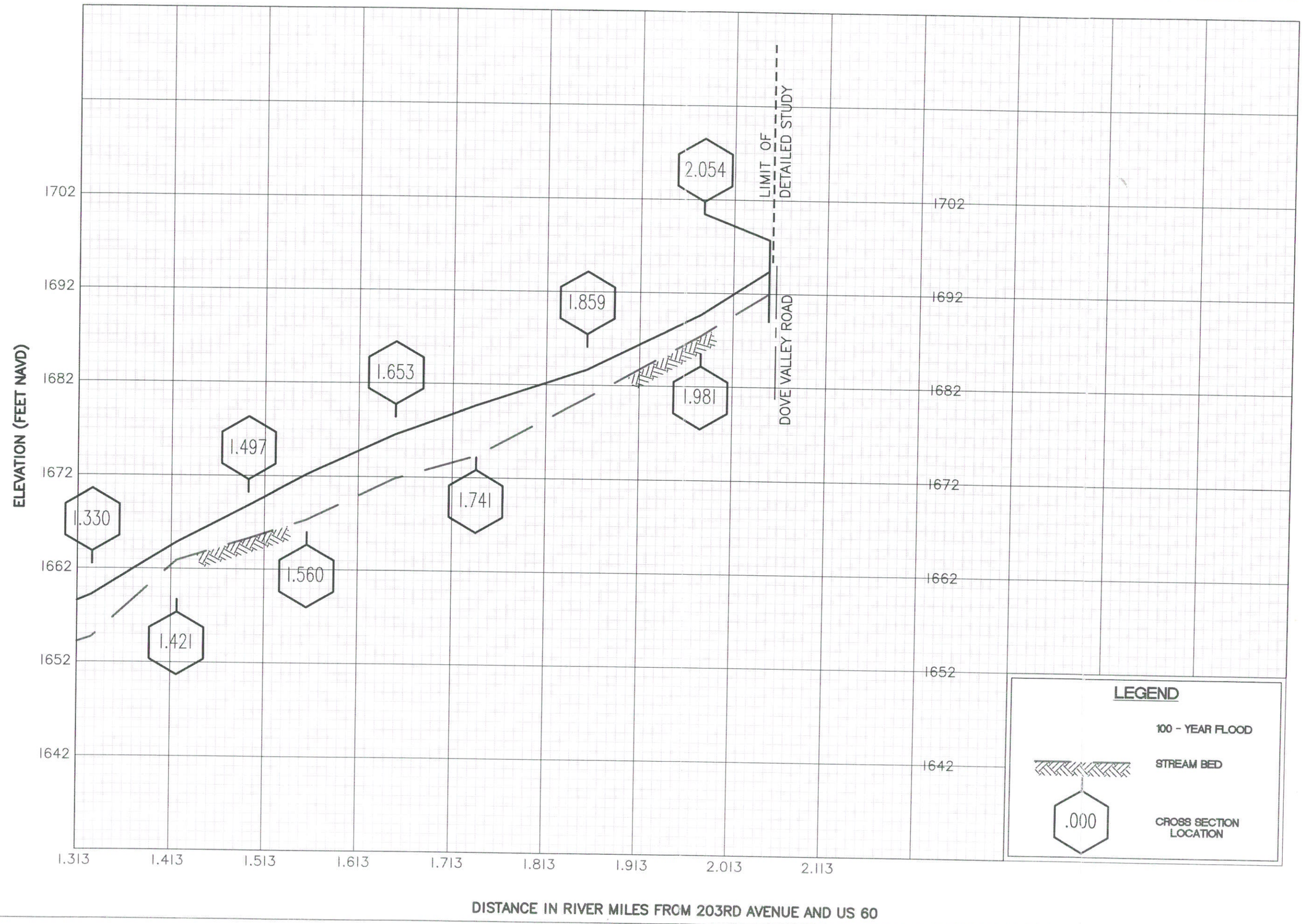

FLOOD PROFILES

T5N-R2W-S19E

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU
FLOOD DELINEATION STUDY

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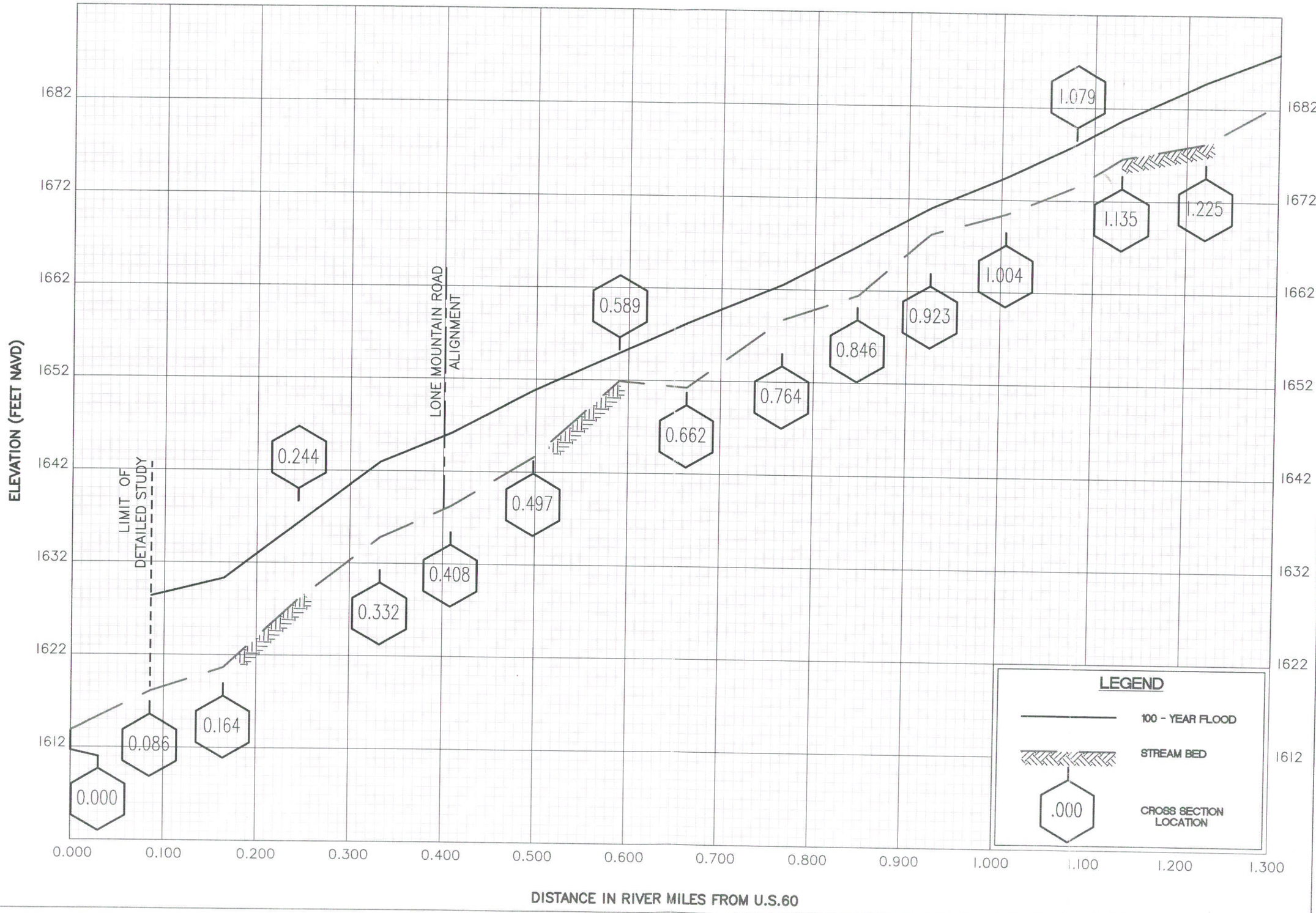
Date: 07-27-05



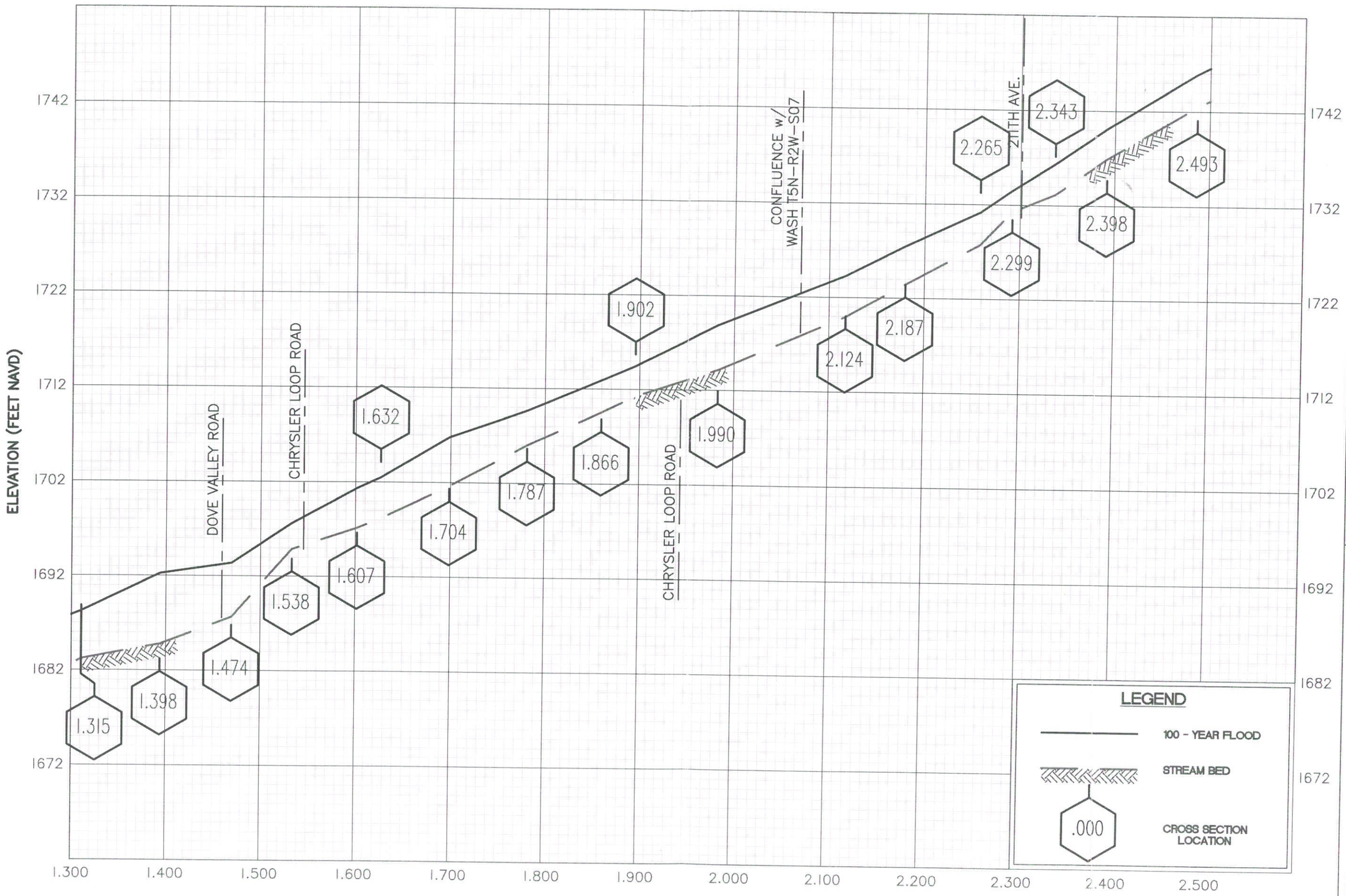
FLOOD PROFILES

T5N-R2W-S19W

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU
FLOOD DELINEATION STUDY

Profile_T5N-R_ -S19W.dwg
Date: 07-27-05



FLOOD PROFILES

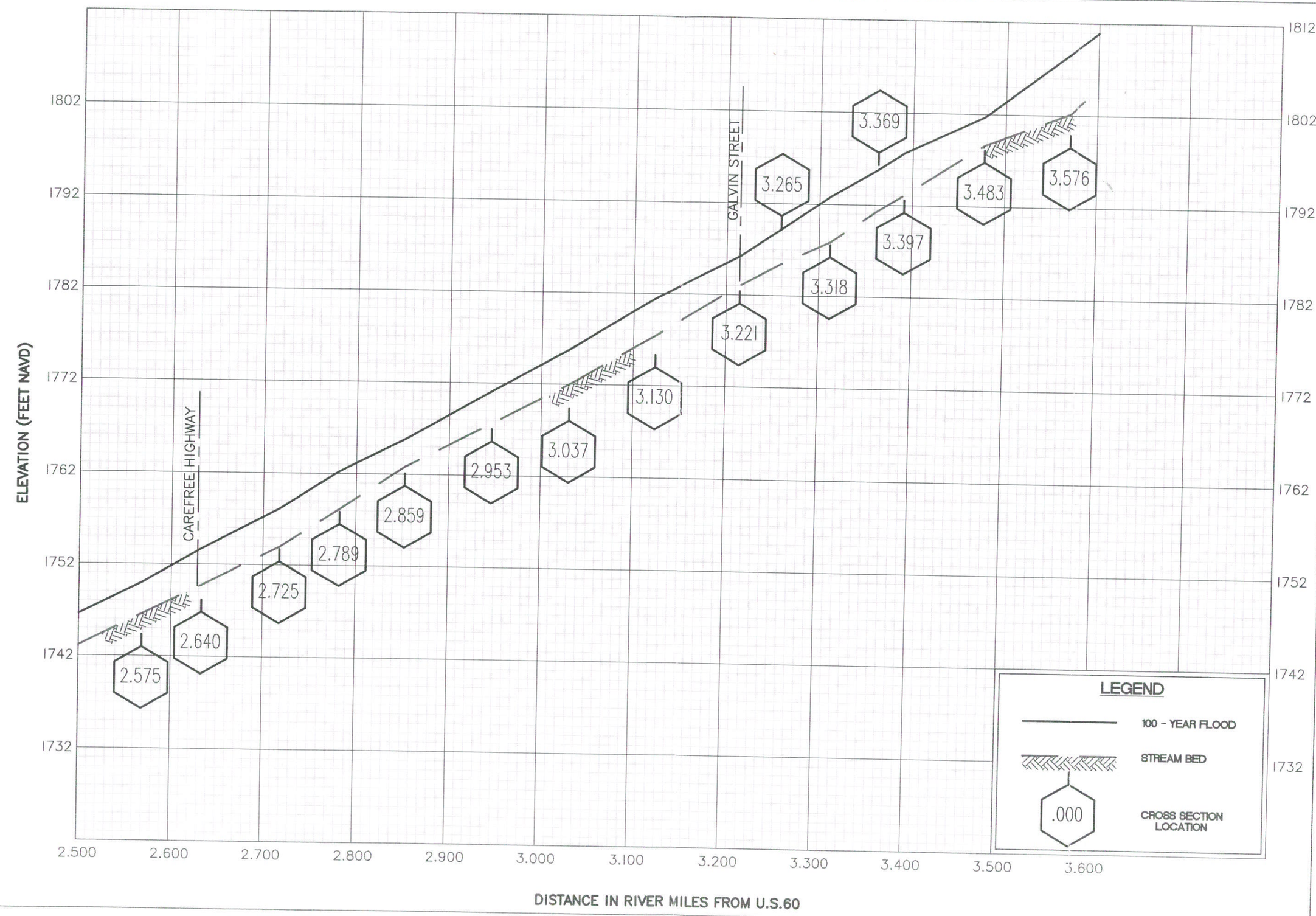
T5N-R2W-S19W

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU

FLOOD DELINEATION STUDY

Profile_T5N-R_ S19W.dwg
Date: 07-27-05



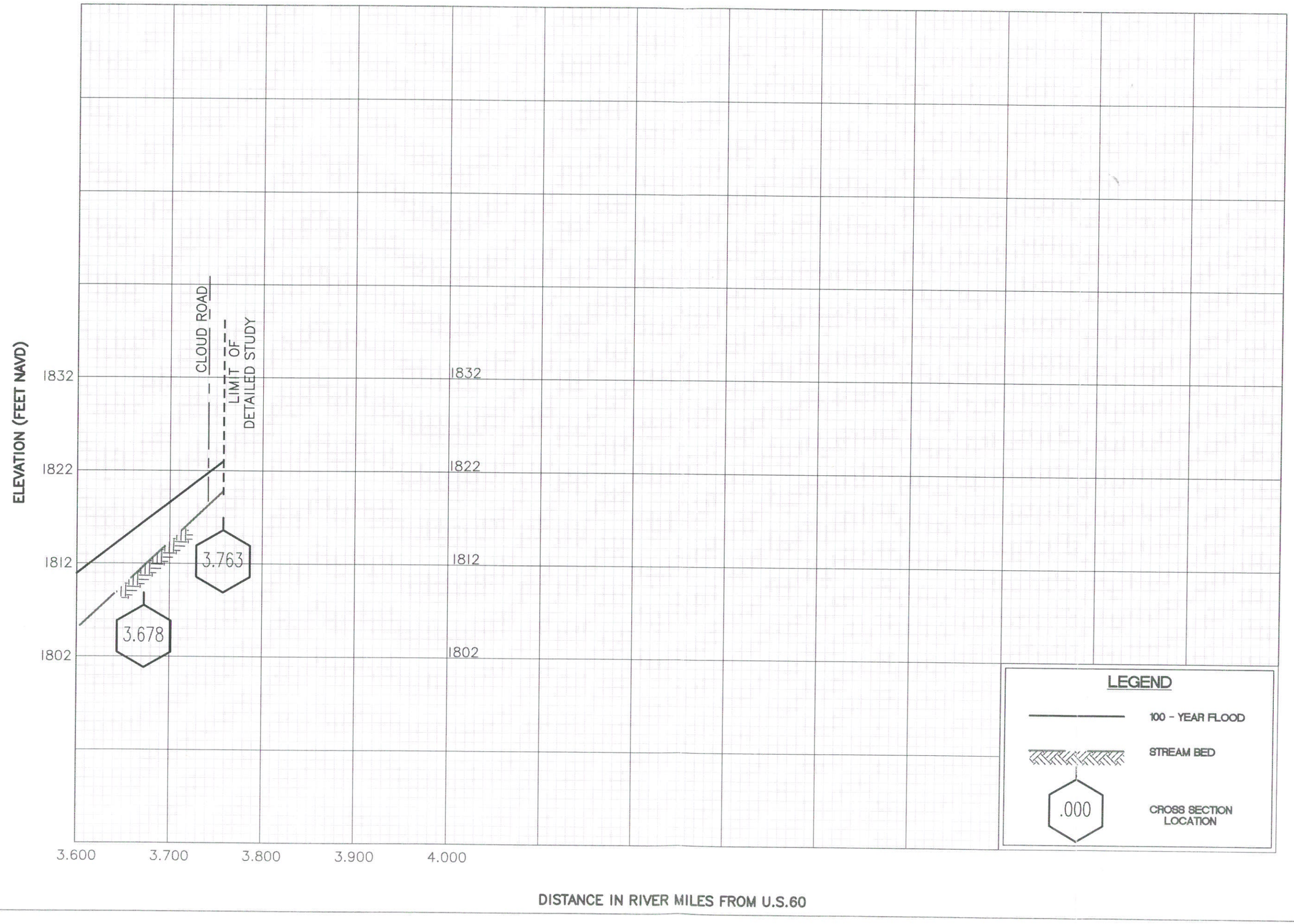
FLOOD PROFILES

T5N-R2W-S19W

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU
FLOOD DELINEATION STUDY

Profile_T5N-R2... -S19W.dwg
Date: 07-27-05



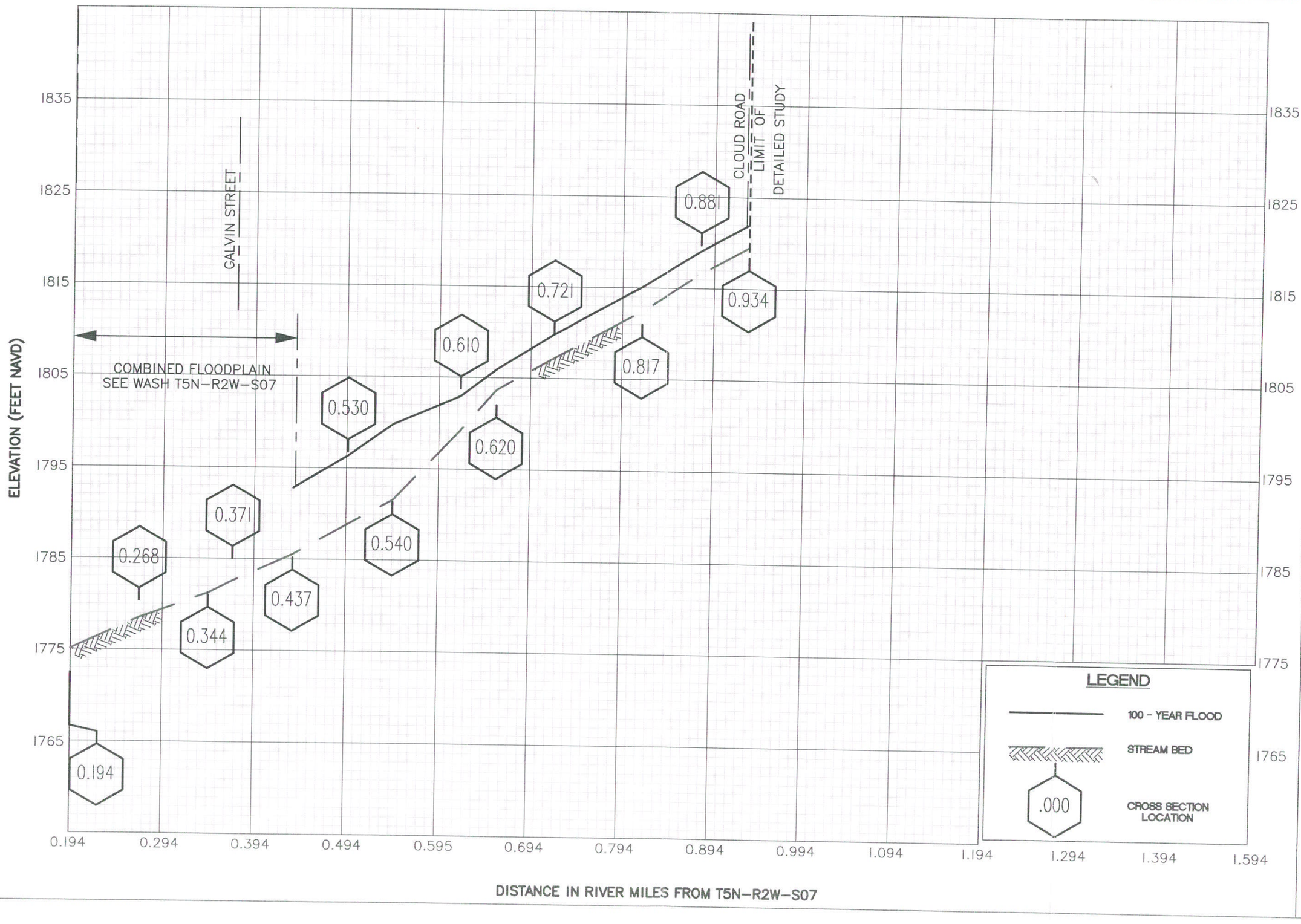
FLOOD PROFILES

T5N-R2W-S19W

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU
FLOOD DELINEATION STUDY

Profile_T5N-R... -S19W.dwg
Date: 07-27-05



FLOOD PROFILES

T5N-R3W-S01S

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU
FLOOD DELINEATION STUDY

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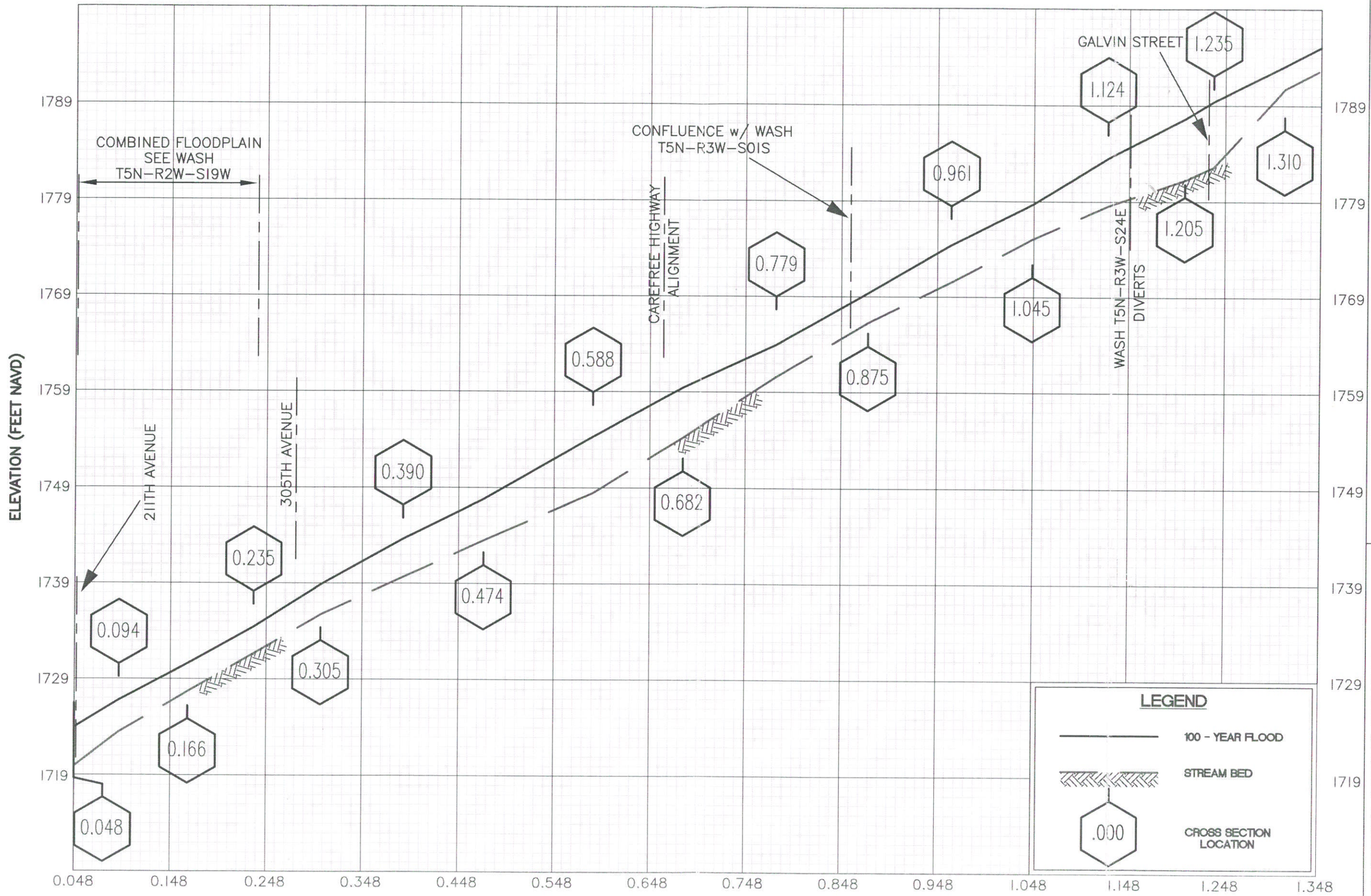
Date: 07-27-05



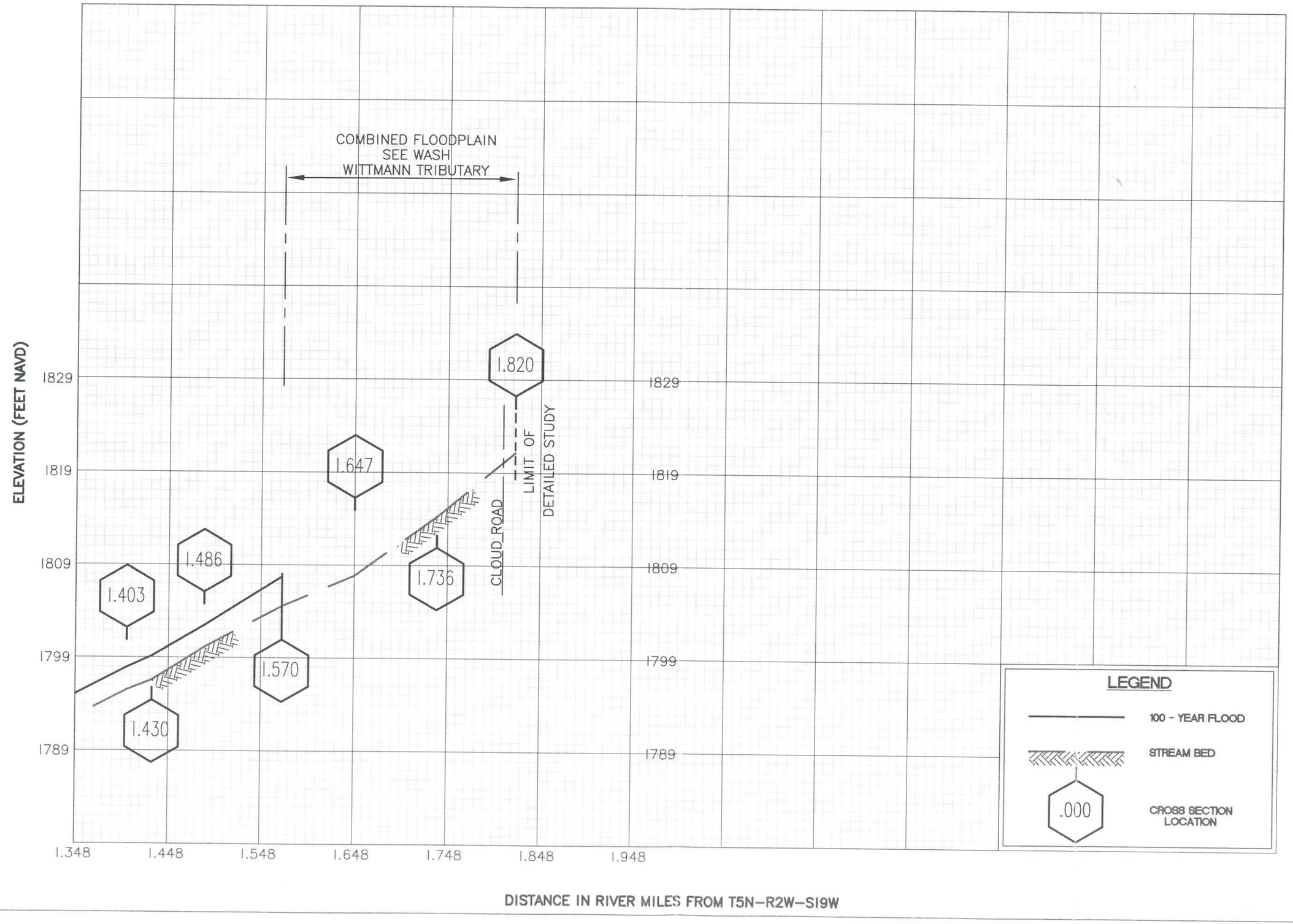
FLOOD PROFILES

T5N-R2W-S07

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU
FLOOD DELINEATION STUDY

Profile_T5N__W-S07.dwg
Date: 09-07-05



FLOOD PROFILES

T5N-R2W-S07

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU
FLOOD DELINEATION STUDY

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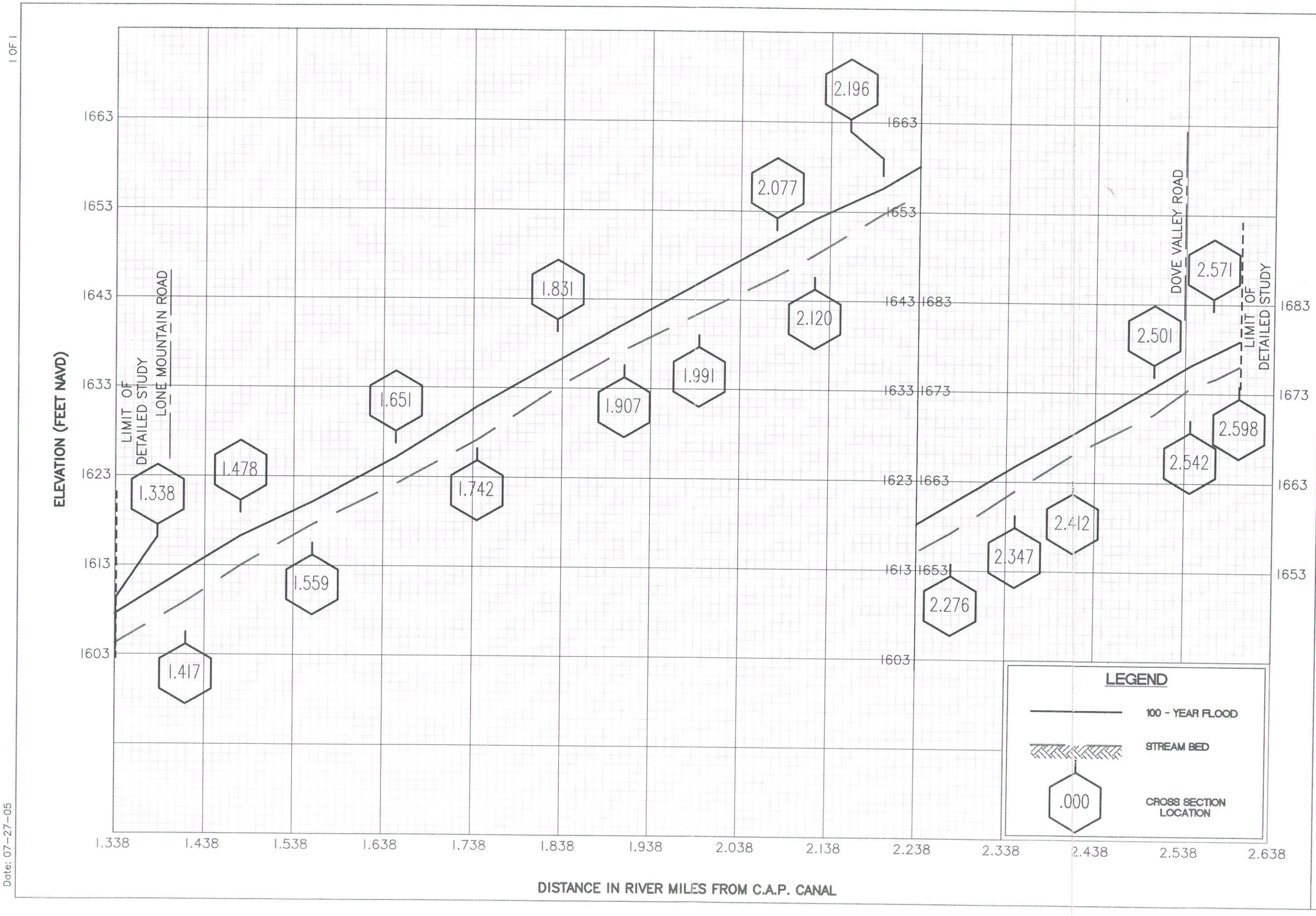
Date: 09-07-05



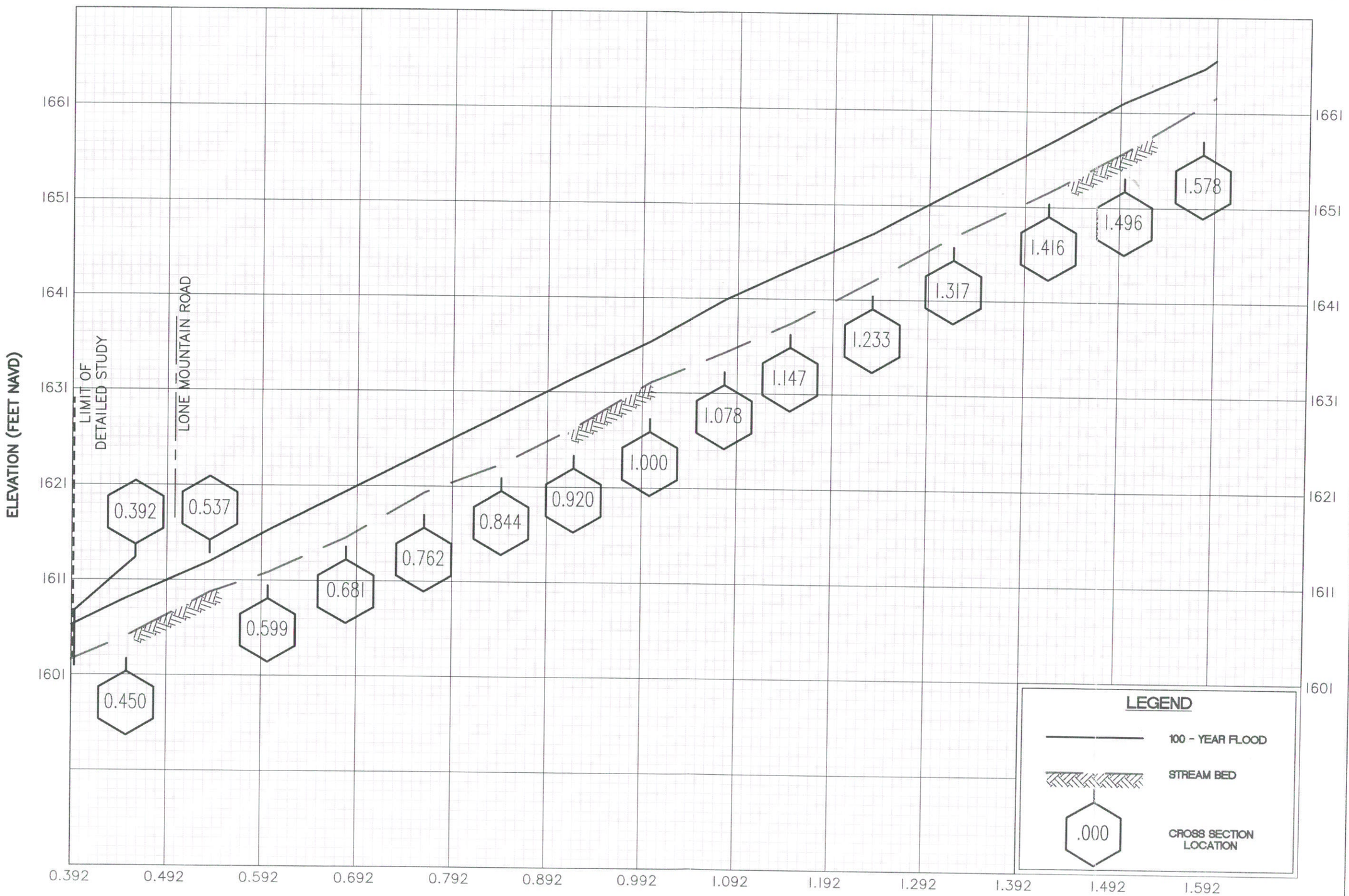
FLOOD PROFILES

2 EAST - (North of C.A.P.)

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU
FLOOD DELINEATION STUDY

Profile_2 EASt ... of CAP.dwg
Date: 07-27-05



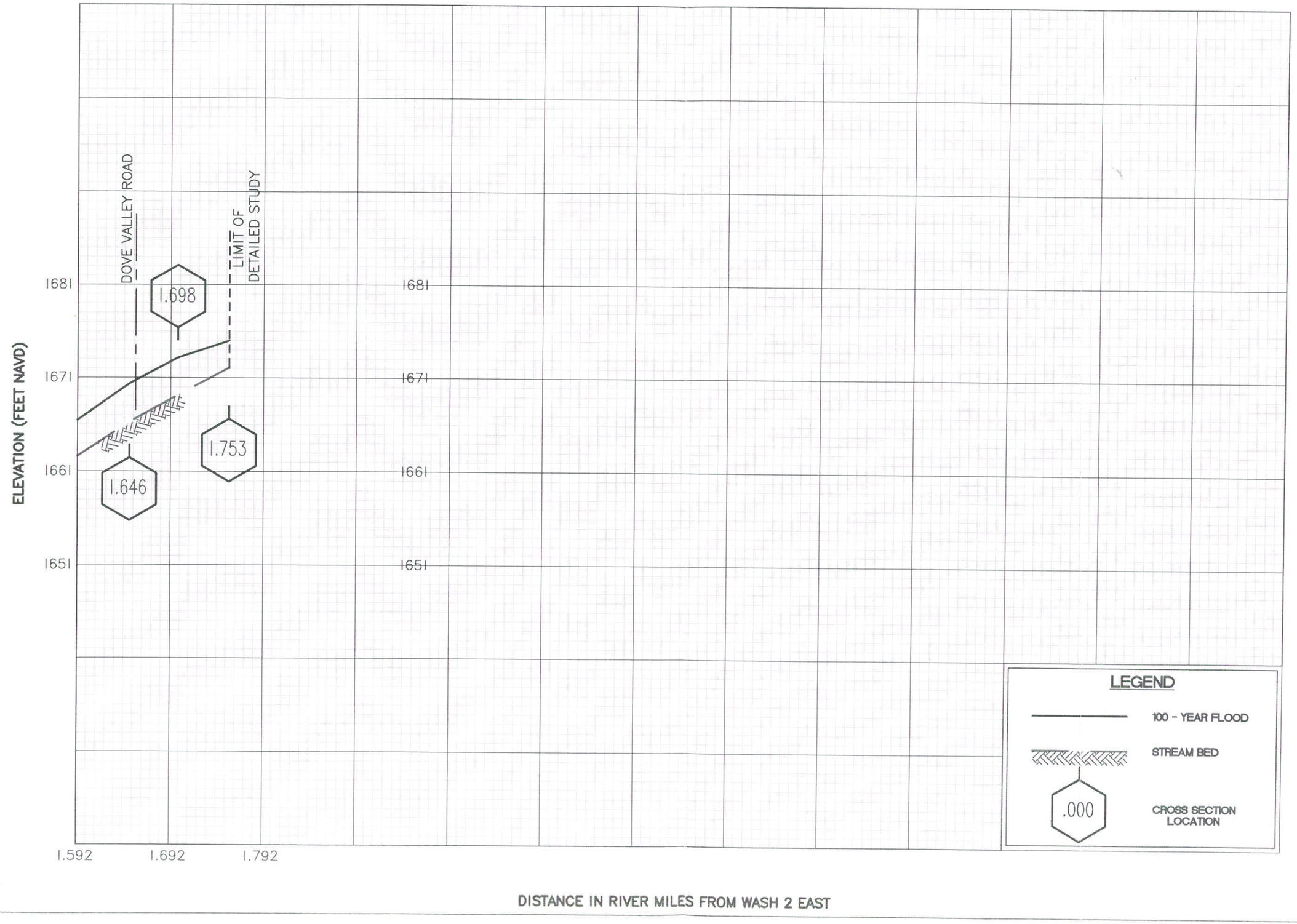
FLOOD PROFILES

2 EAST-TRIBUTARY

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU
FLOOD DELINEATION STUDY

Profile_2 Eas...IB.dwg
Date: 07-27-05



FLOOD PROFILES

2 EAST-TRIBUTARY

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU

FLOOD DELINEATION STUDY

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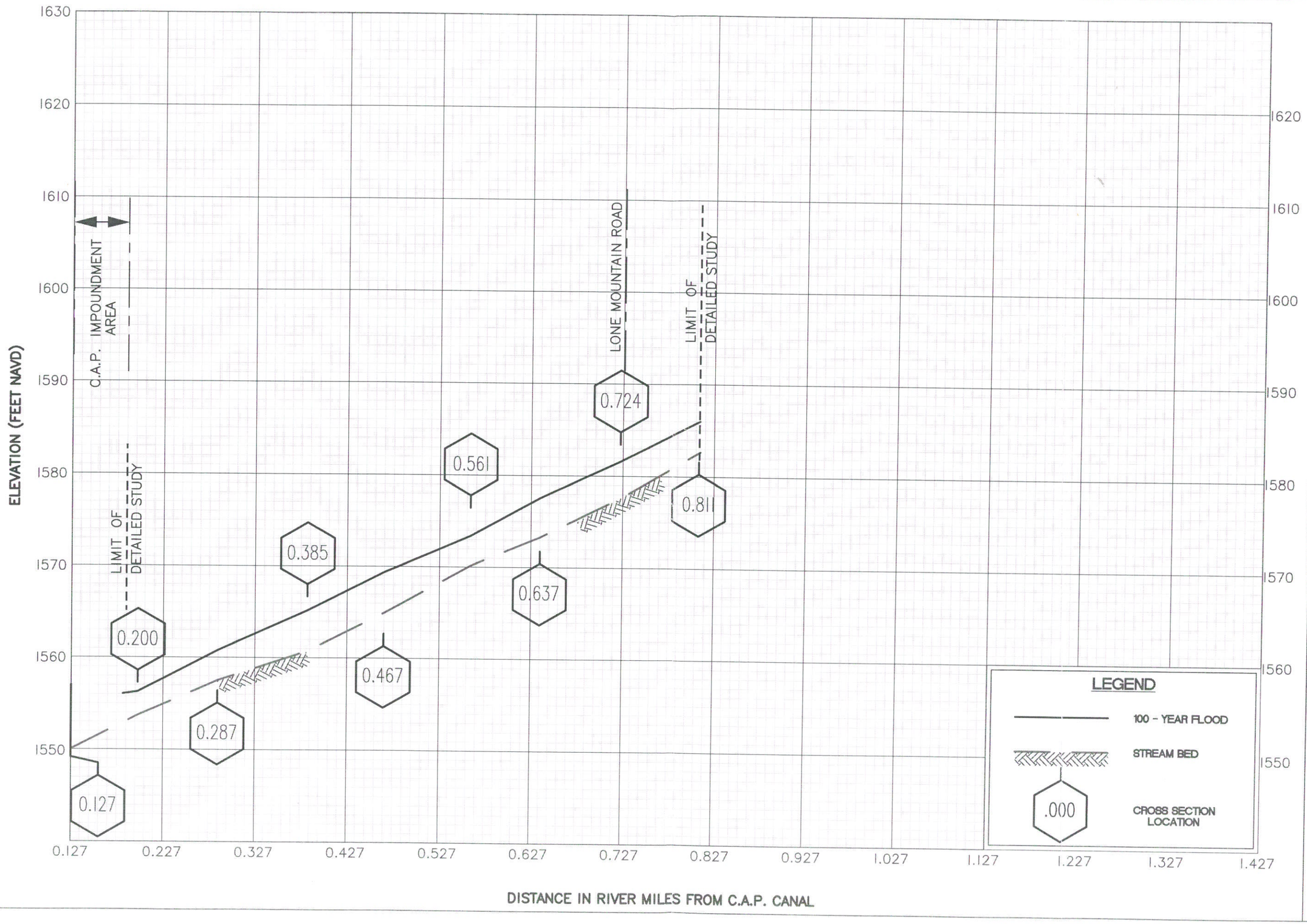


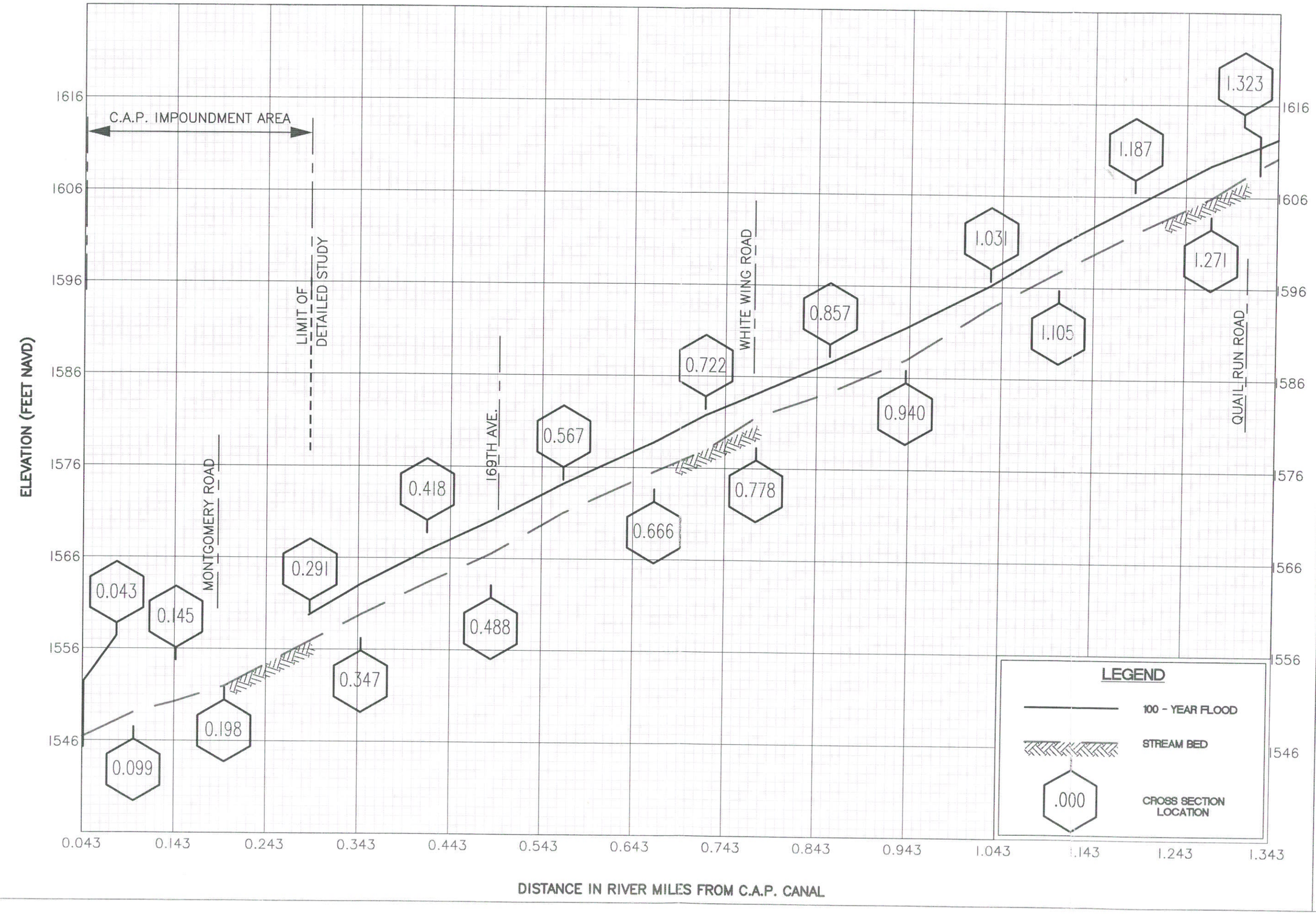
FLOOD PROFILES

7 EAST

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU
FLOOD DELINEATION STUDY

Profile_7EAST.dwg
Date: 07-27-05



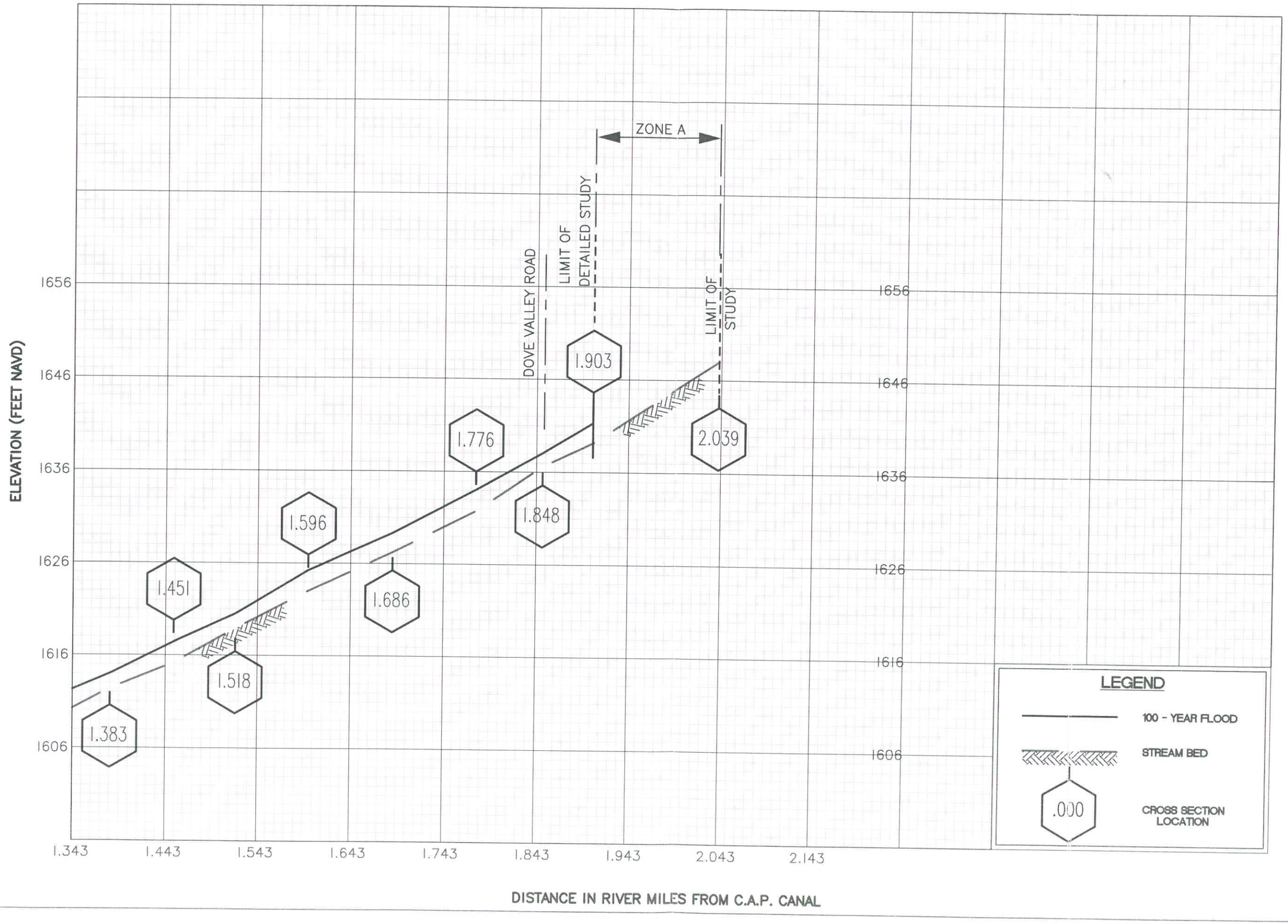
FLOOD PROFILES

7 EAST TRIBUTARY

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU
FLOOD DELINEATION STUDY

Profile_7E-TR. .ARY.dwg
Date: 07-19-2005



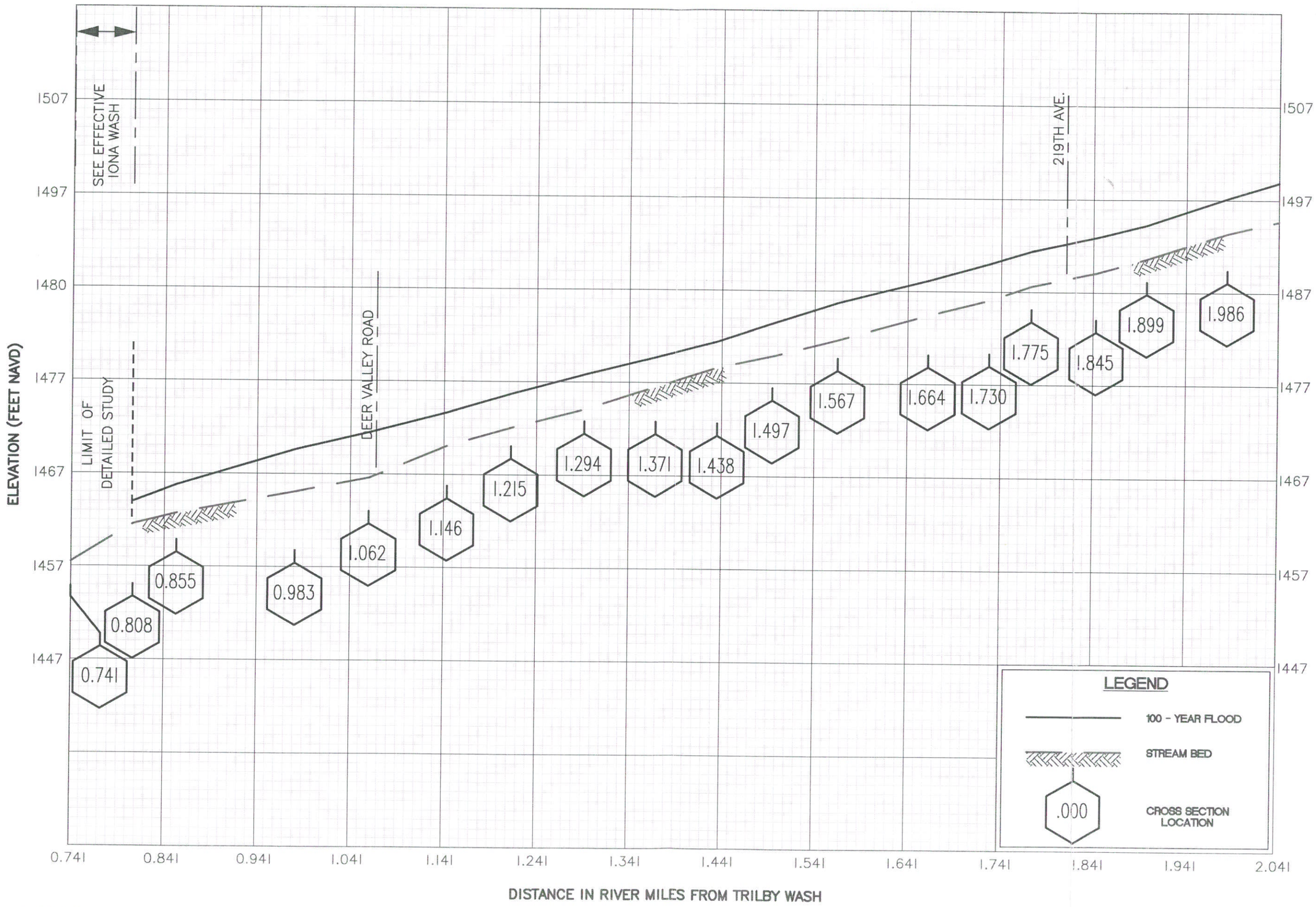
FLOOD PROFILES

7 EAST TRIBUTARY

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU
FLOOD DELINEATION STUDY

Profile_7E-TR... ,ARY.dwg
Date: 07-19-2005



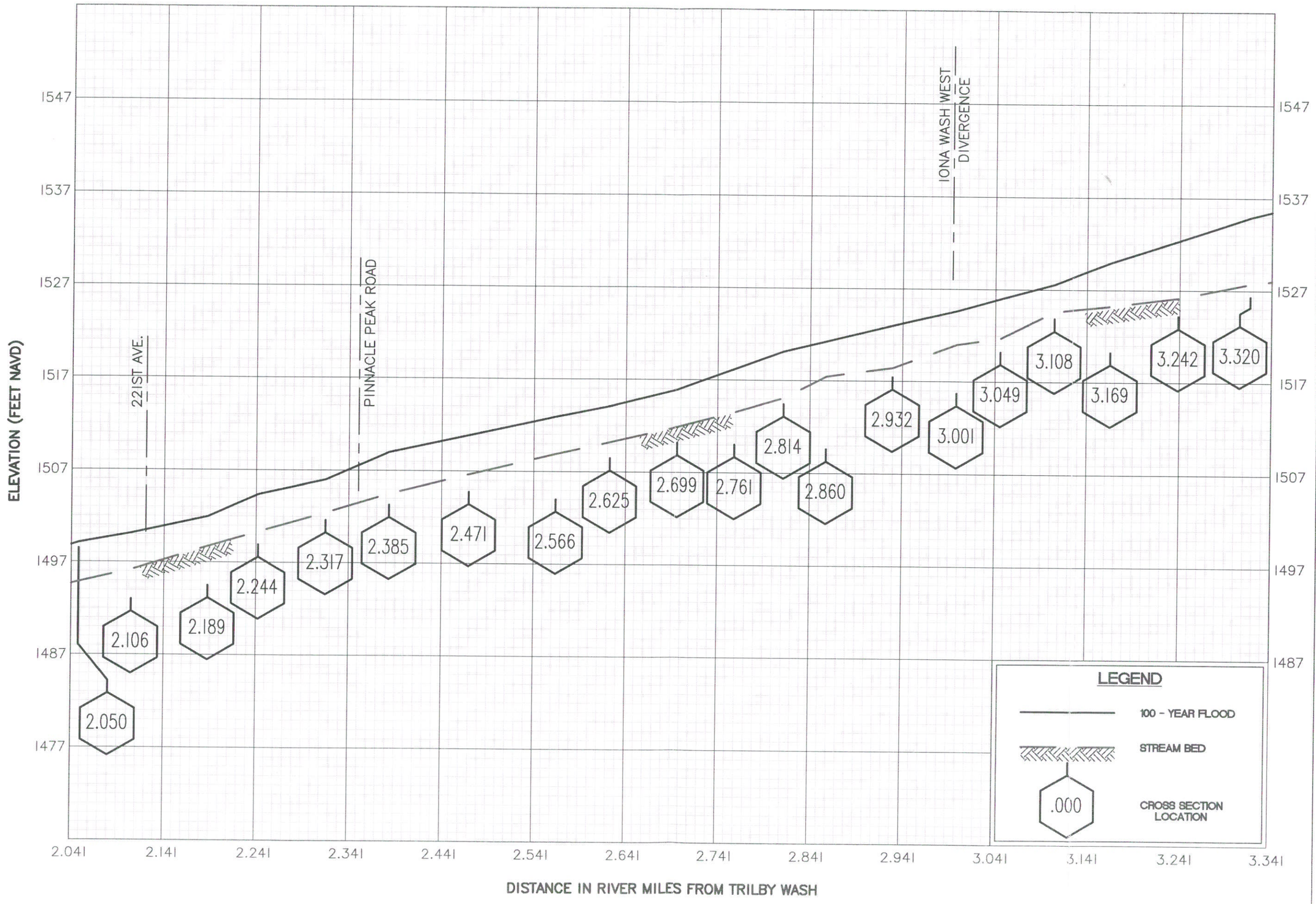
FLOOD PROFILES

IONA WASH EAST

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU
FLOOD DELINEATION STUDY

Profile_IONA W. EAST.dwg
Date: 7-14-2005



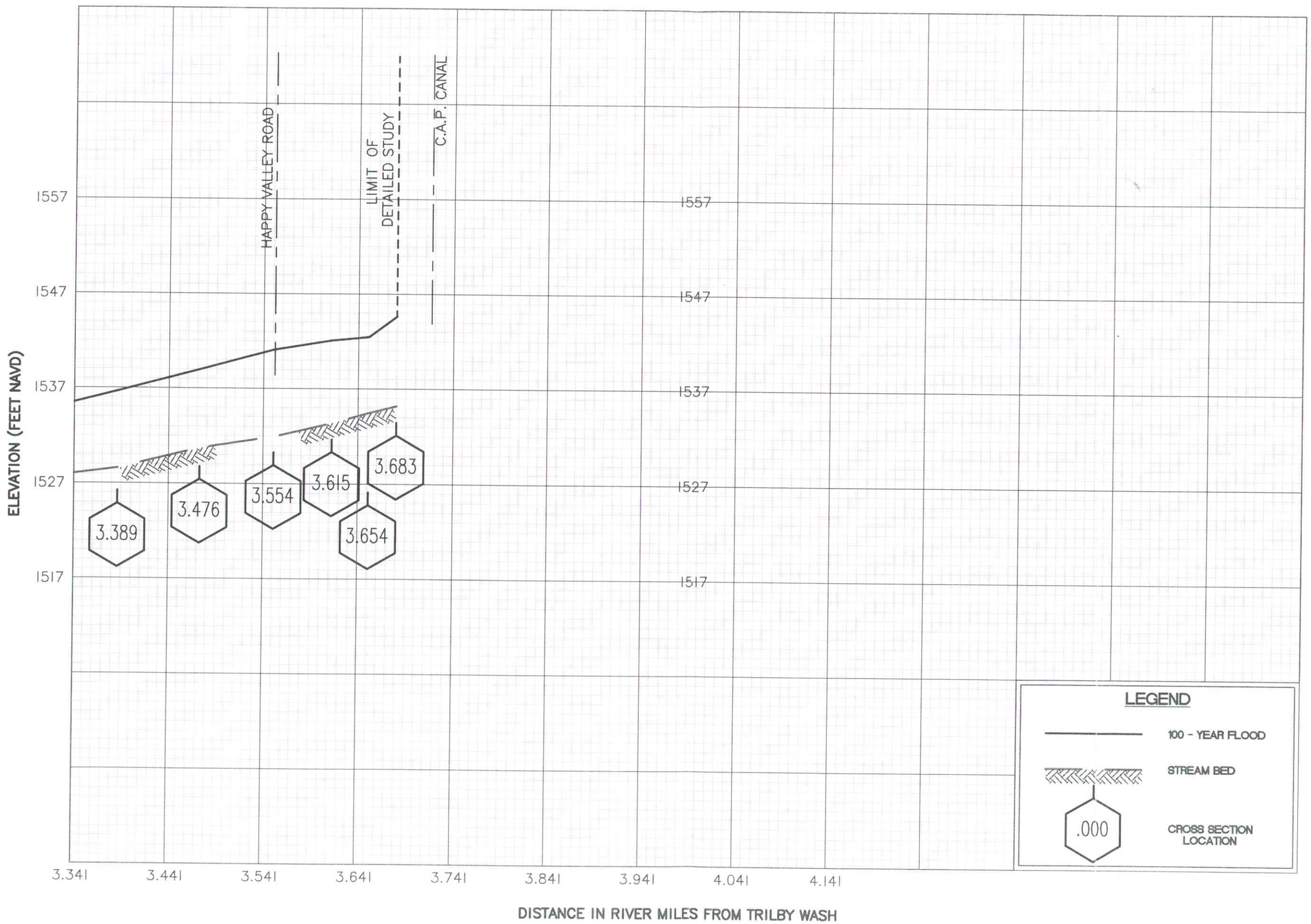
FLOOD PROFILES

IONA WASH EAST

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU
FLOOD DELINEATION STUDY

Profile_IONA W. EAST.dwg
Date: 7-14-2005



FLOOD PROFILES

IONA WASH EAST

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU
FLOOD DELINEATION STUDY

Profile_IONA W. EAST.dwg
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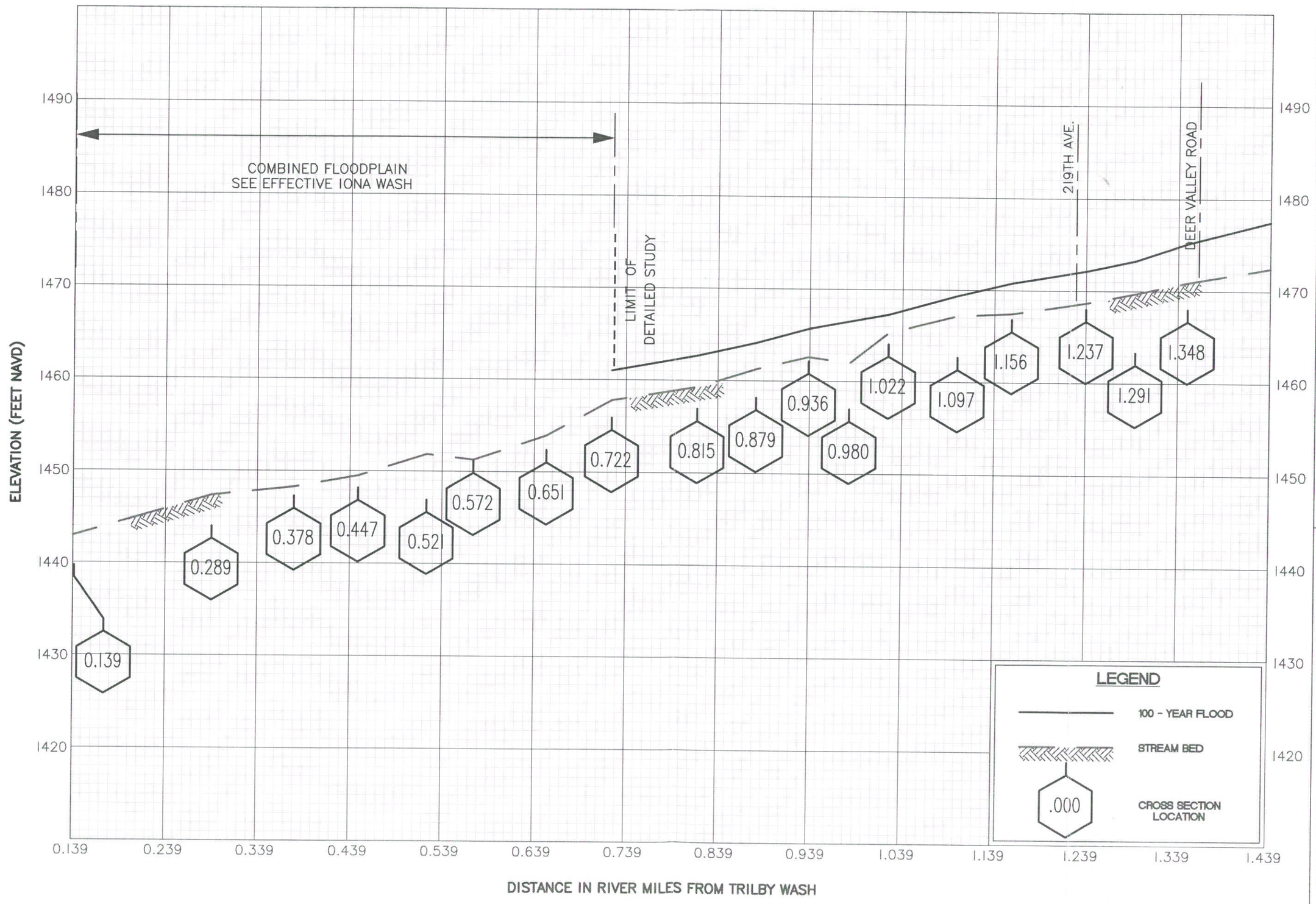

FLOOD PROFILES

IONA WASH WEST

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU
FLOOD DELINEATION STUDY

Profile_IONA W WEST.dwg
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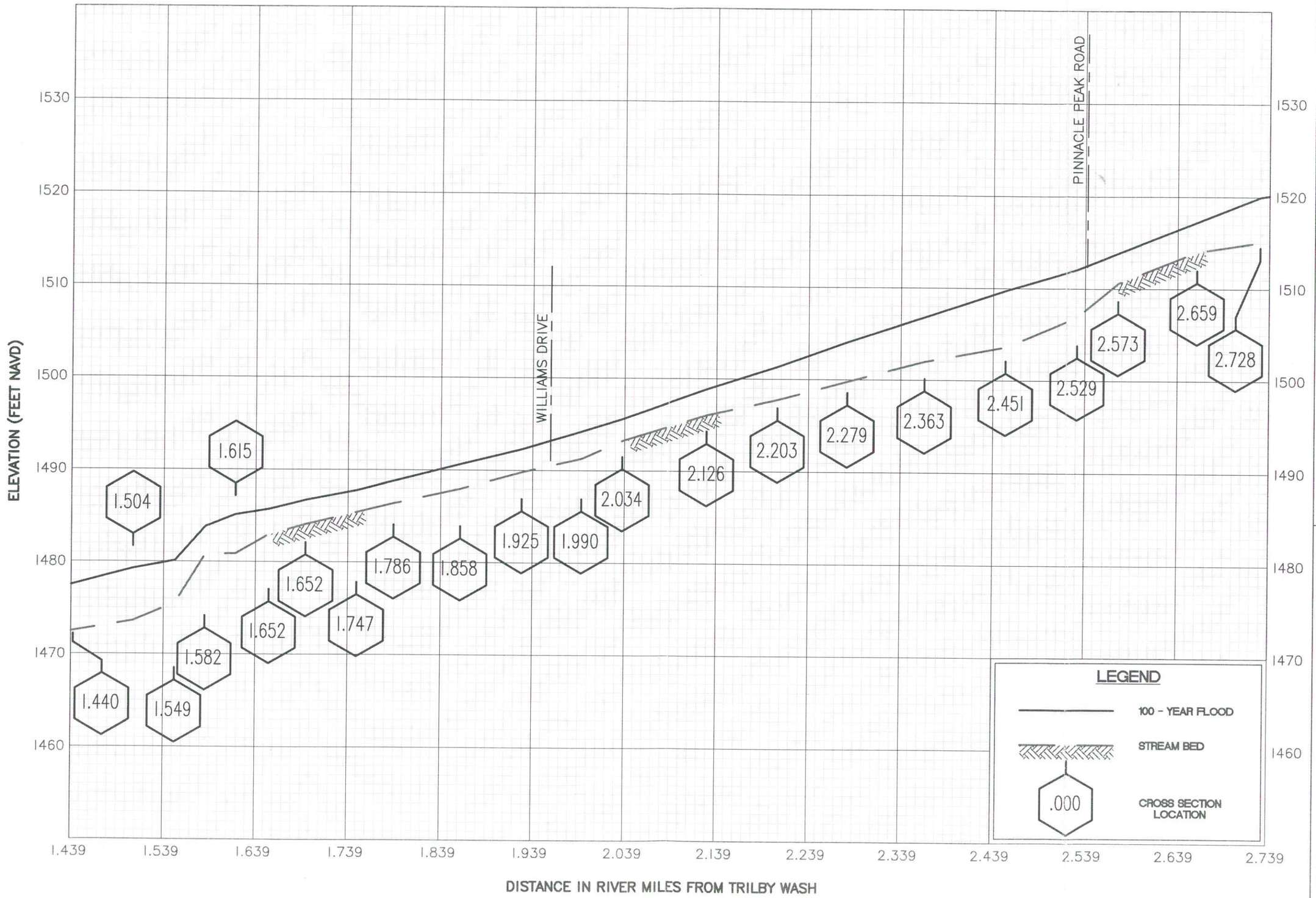

FLOOD PROFILES

IONA WASH WEST

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU
FLOOD DELINEATION STUDY

Profile_IONA W WEST.dwg
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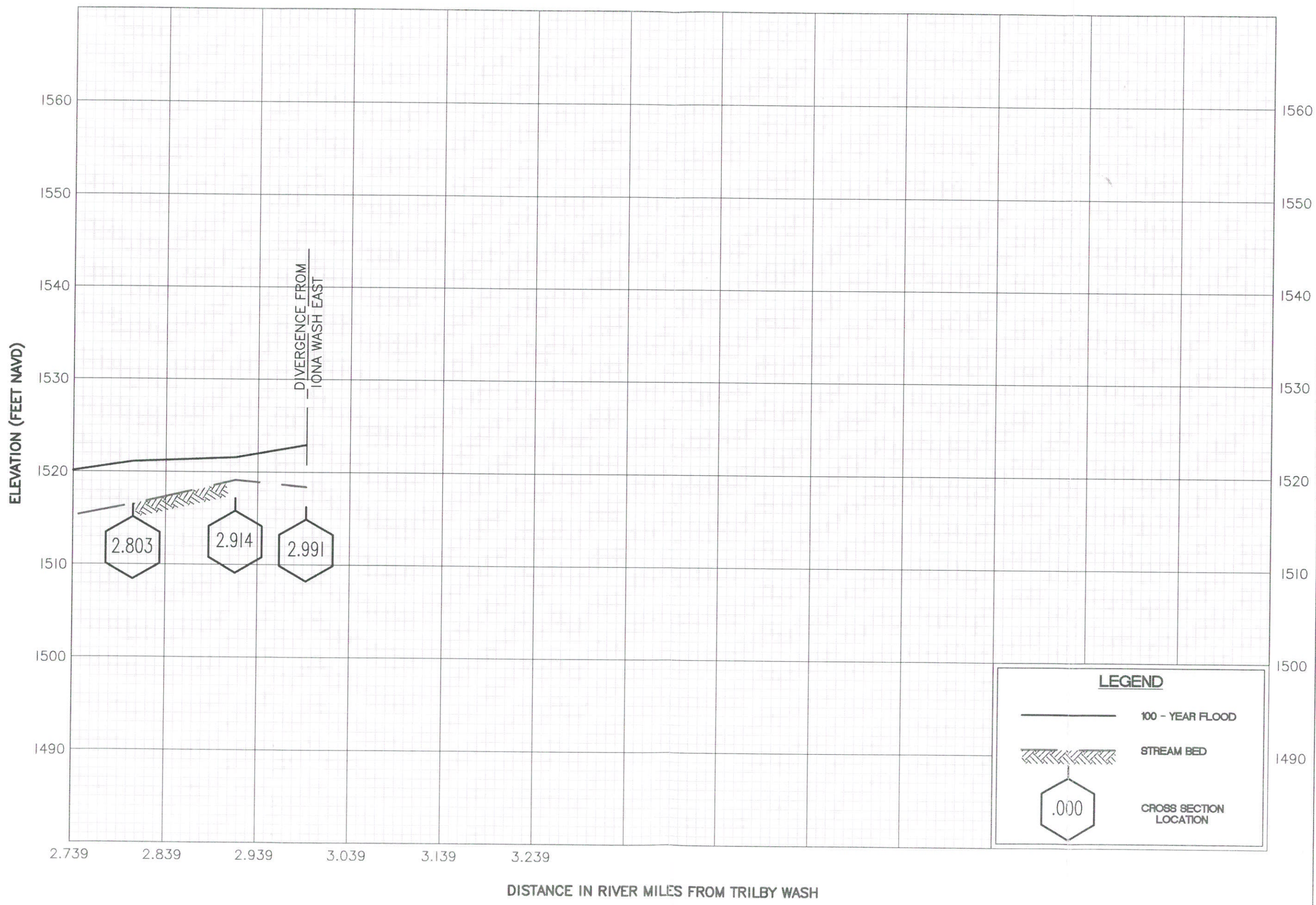

FLOOD PROFILES

IONA WASH WEST

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU
FLOOD DELINEATION STUDY

Profile_IONA W_ WEST.dwg
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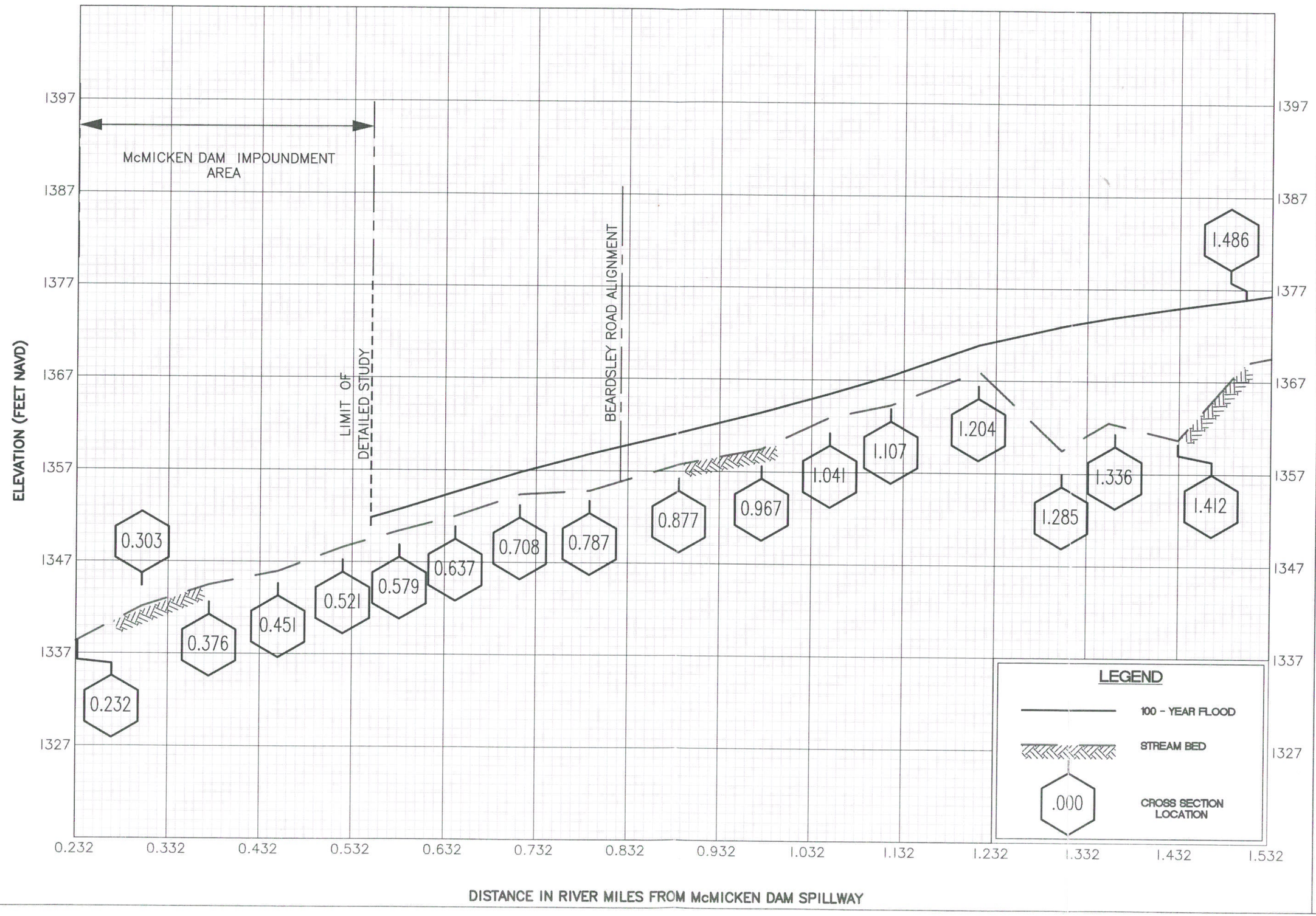


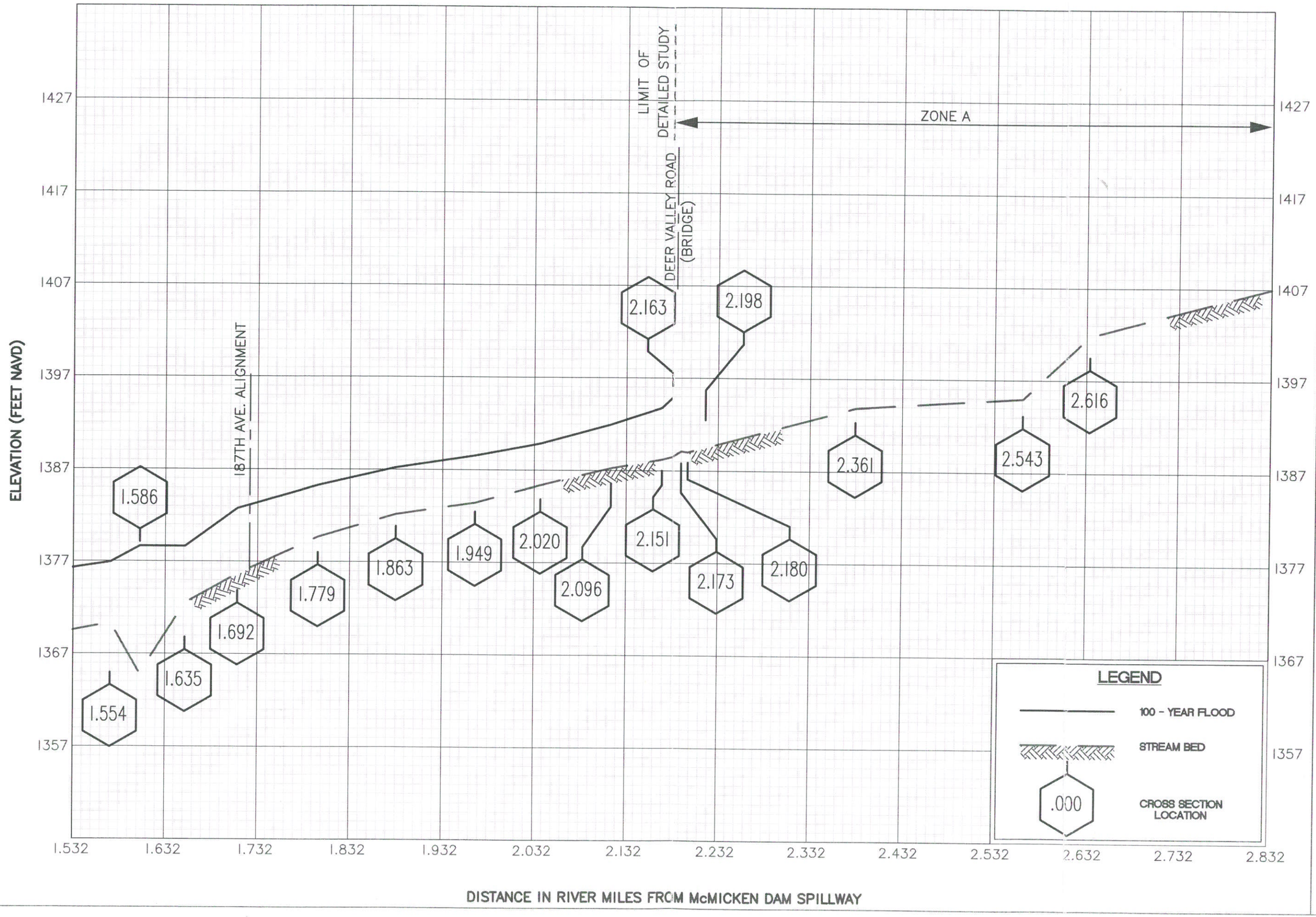
FLOOD PROFILES

2 WEST

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU
FLOOD DELINEATION STUDY

Profile_2 WEST.
Date: 07-16-2005



FLOOD PROFILES

2 WEST

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU
FLOOD DELINEATION STUDY

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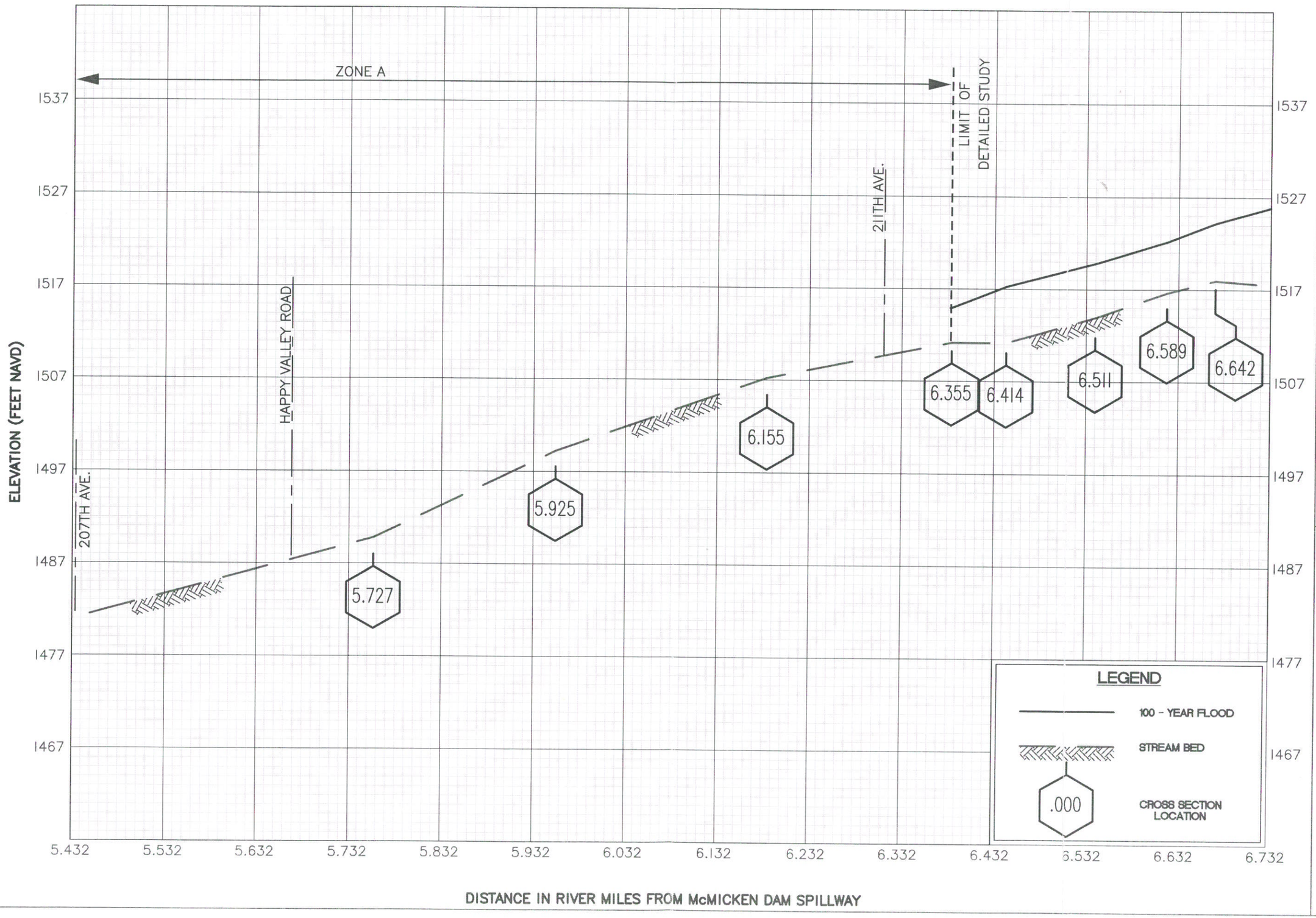

FLOOD PROFILES

2 WEST

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU
FLOOD DELINEATION STUDY

Profile_2 WEST...
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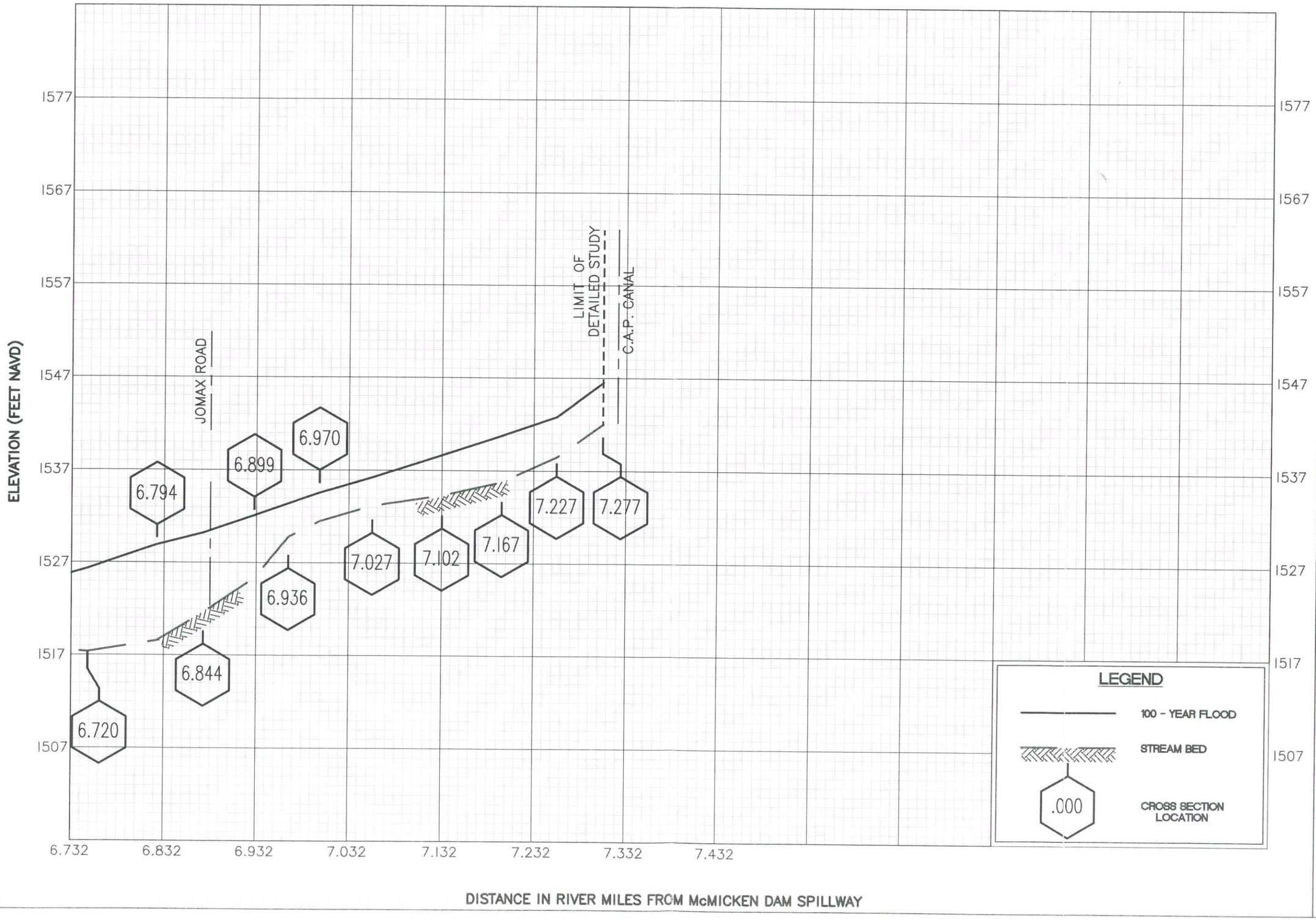

FLOOD PROFILES

2 WEST

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU
FLOOD DELINEATION STUDY

Profile_2 WES
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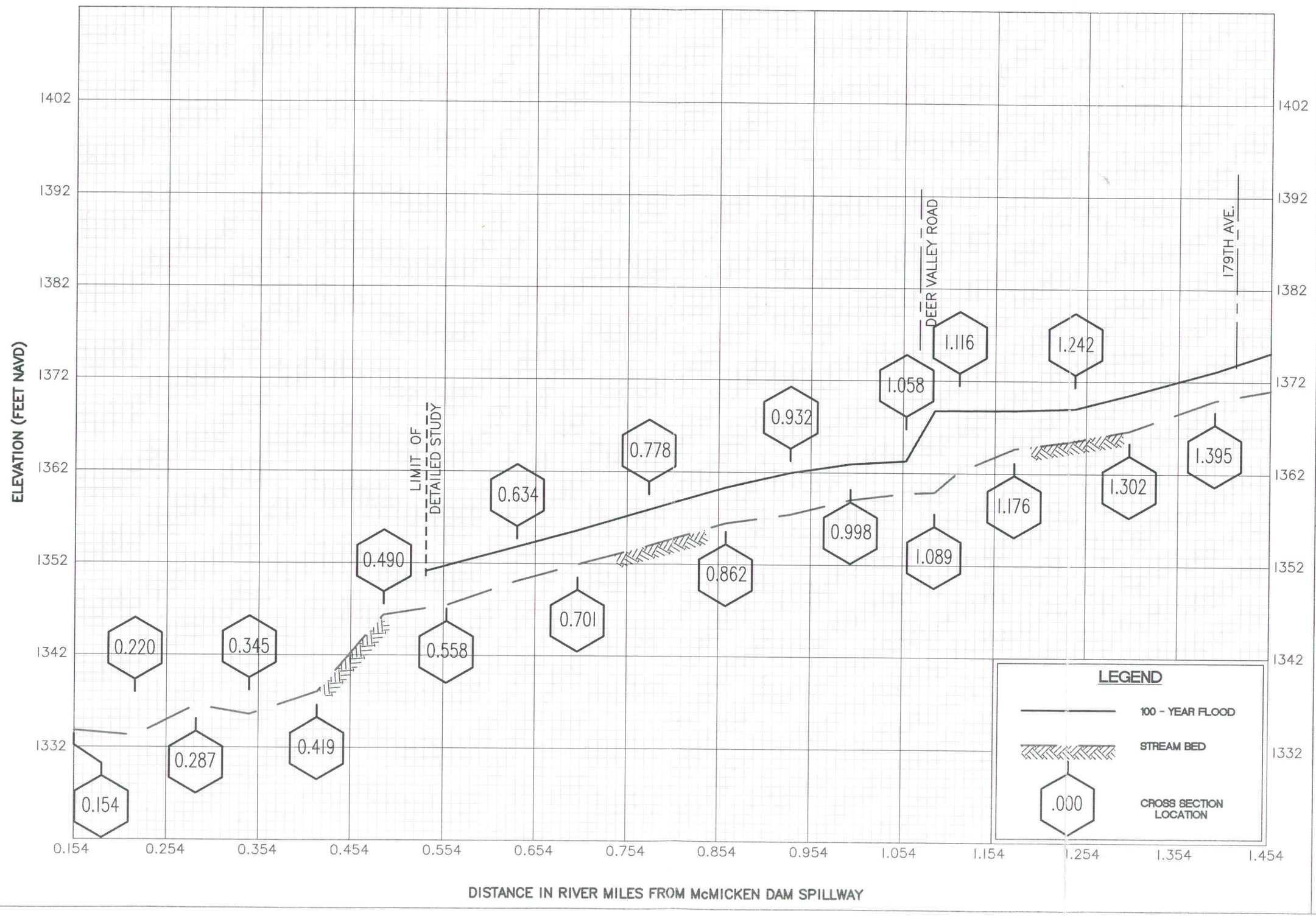


FLOOD PROFILES

1 WEST

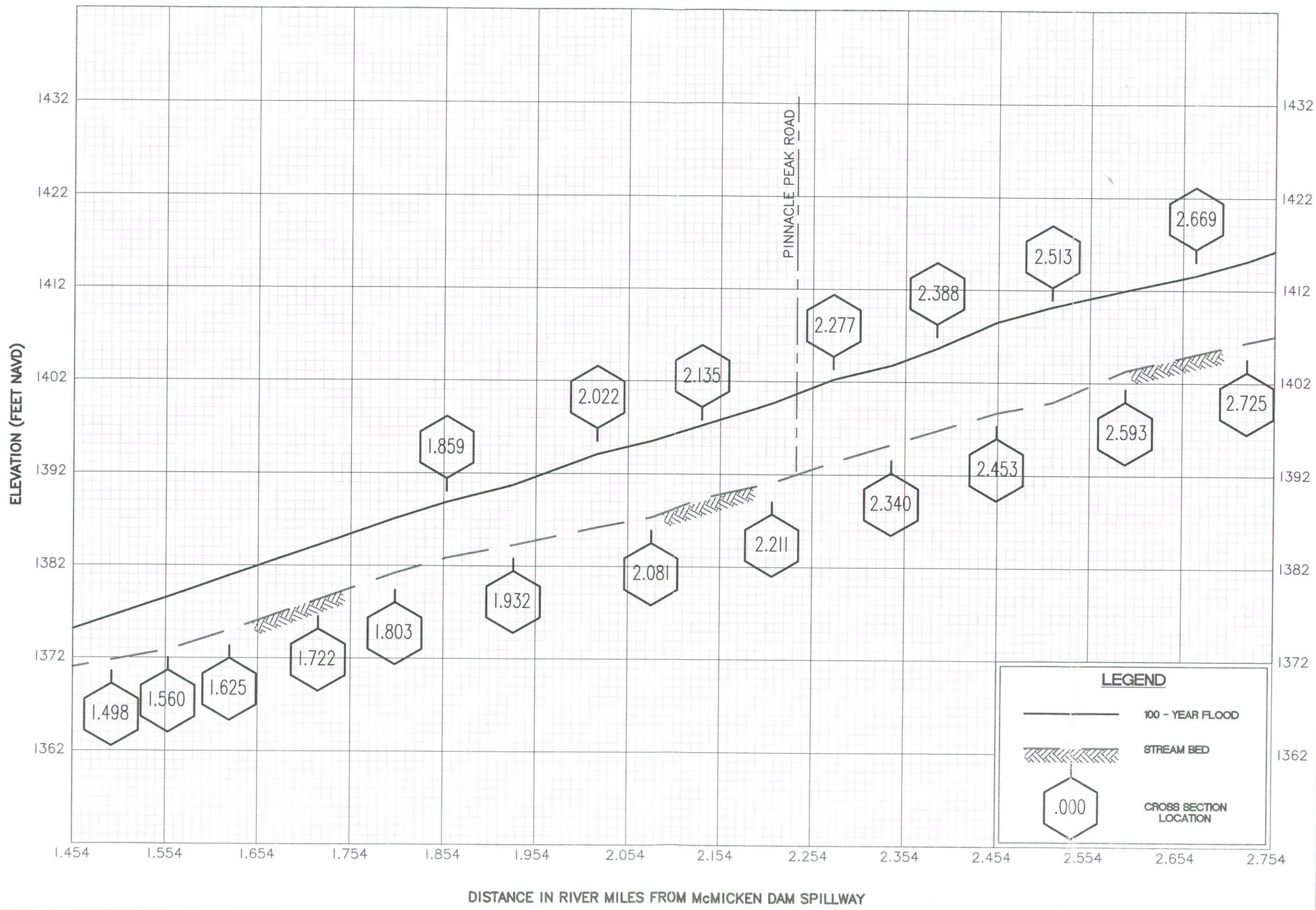
FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU

FLOOD DELINEATION STUDY

Profile_1 WEST

Date: 07-27-05



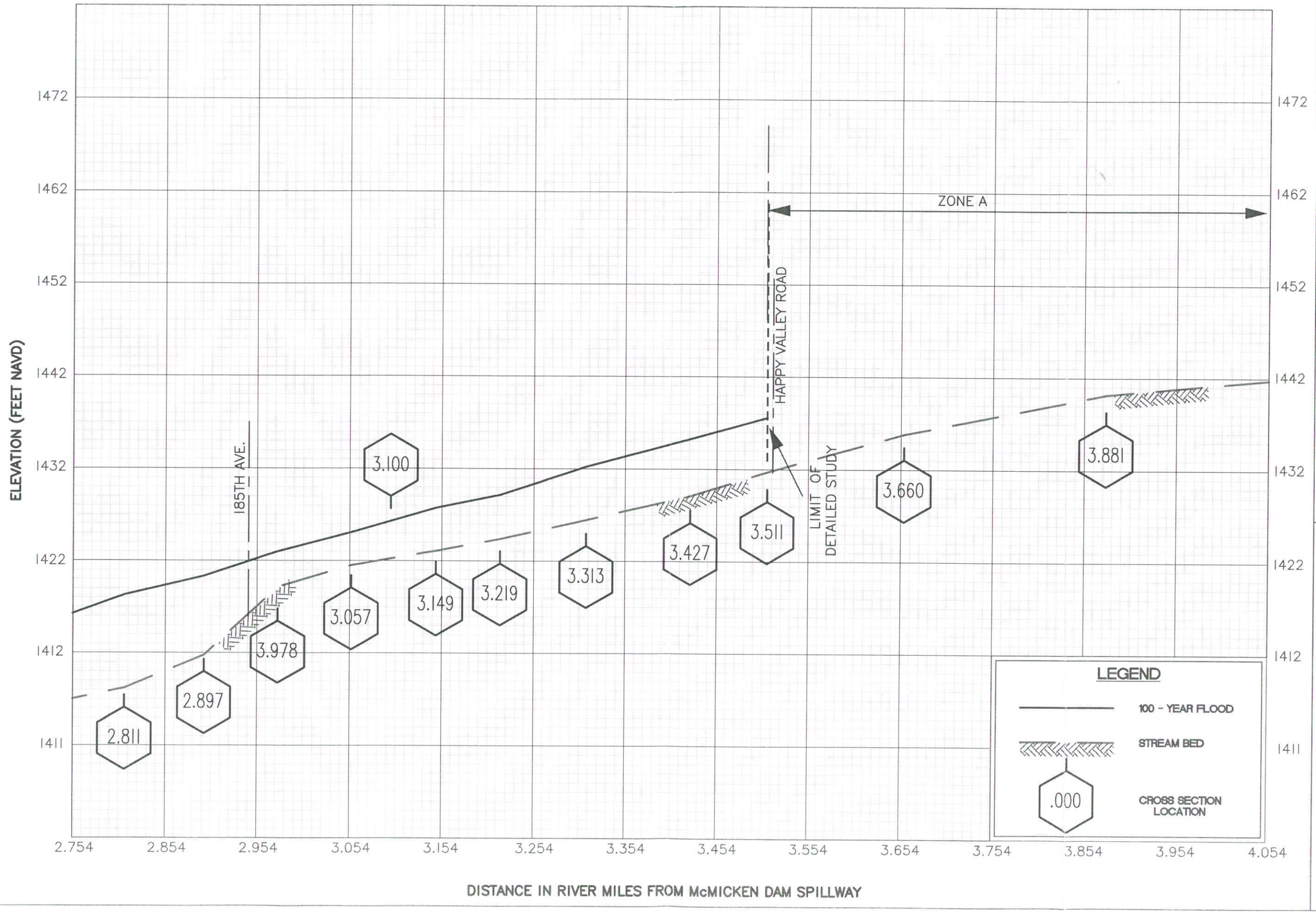
FLOOD PROFILES

1 WEST

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU
FLOOD DELINEATION STUDY

Profile_1 WEST
Date: 07-27-05



FLOOD PROFILES

1 WEST

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

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FLOOD DELINEATION STUDY

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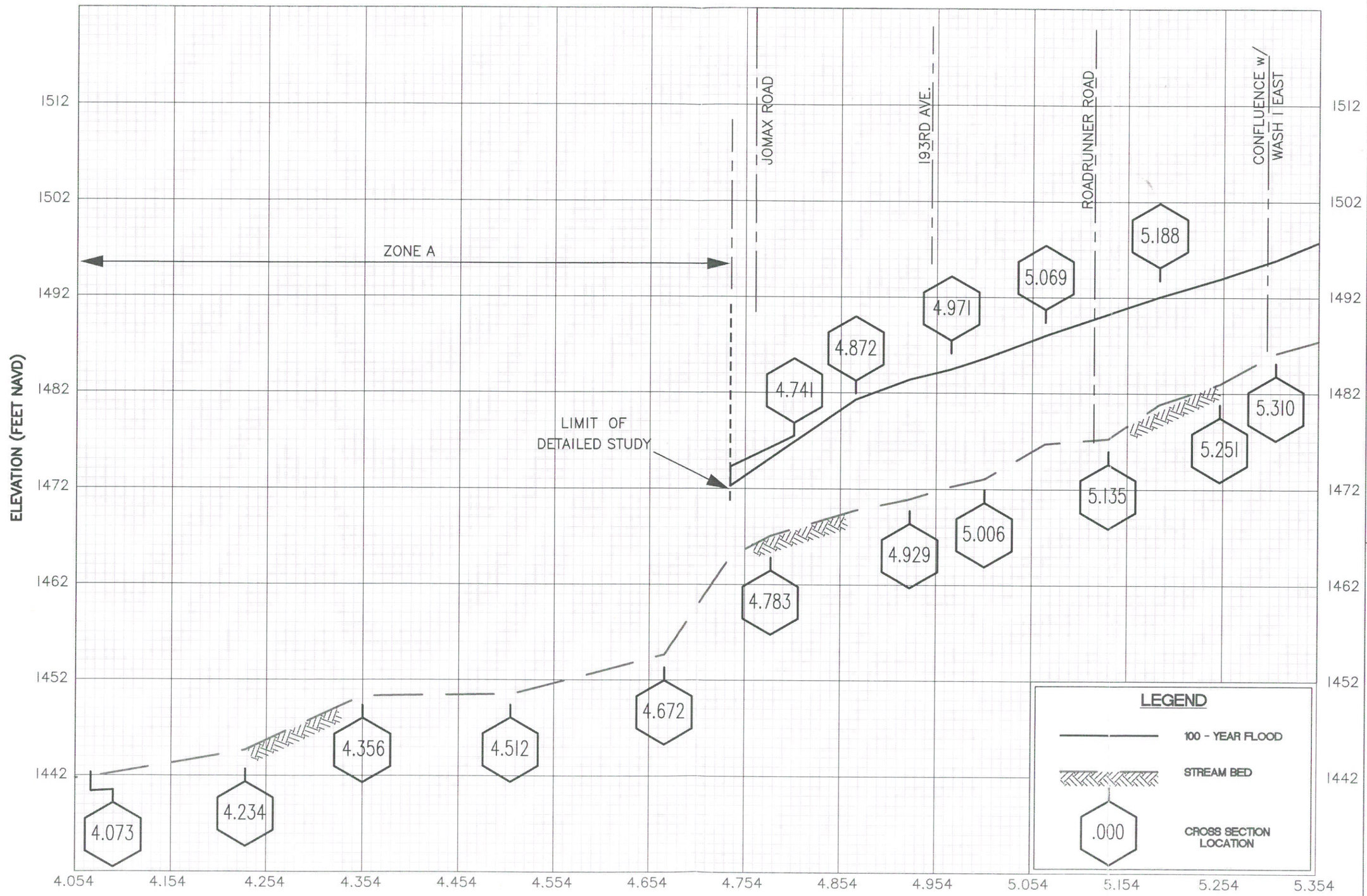


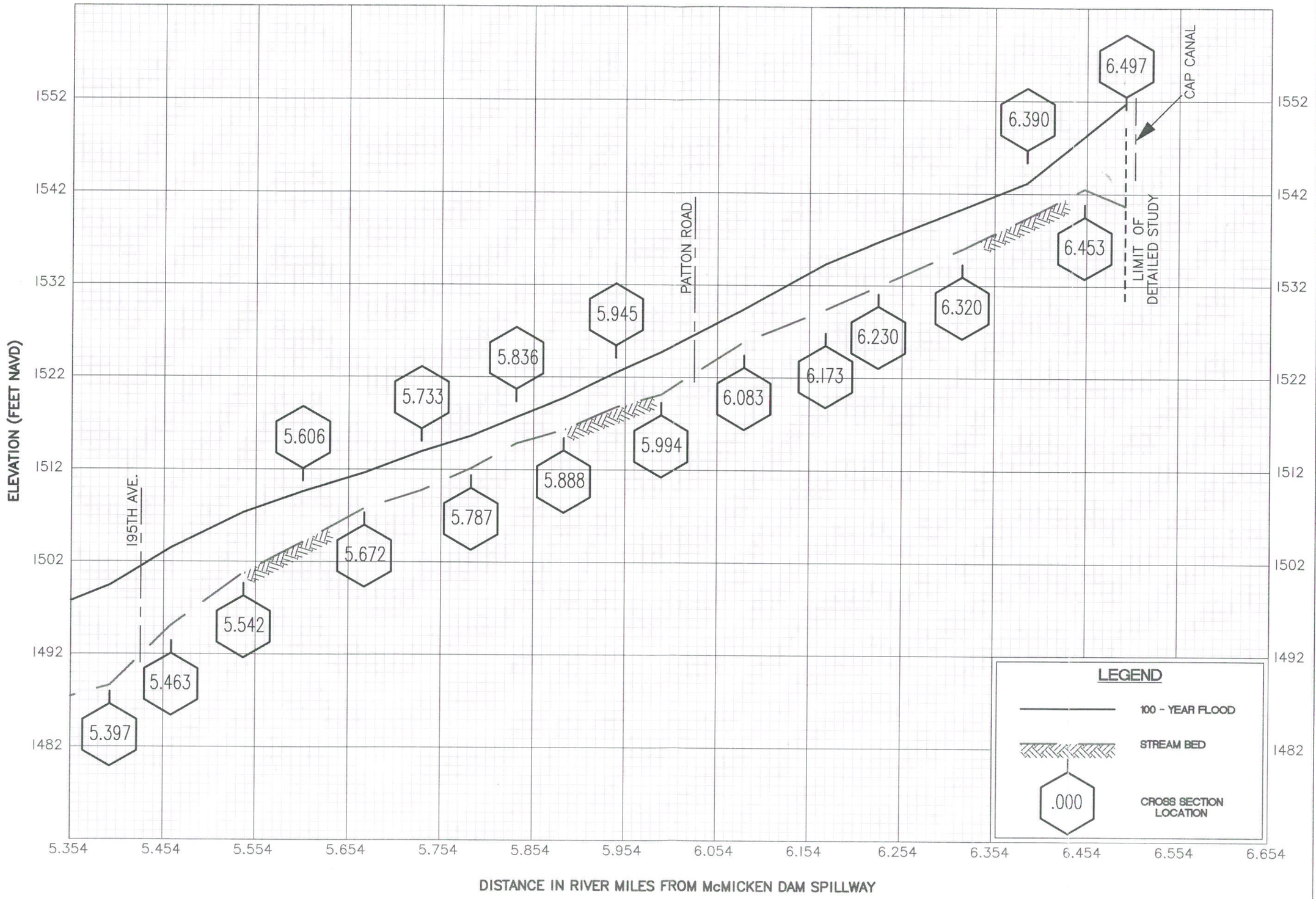
FLOOD PROFILES

1 WEST

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU
FLOOD DELINEATION STUDY

Profile_I WEST.
Date: 07-27-05



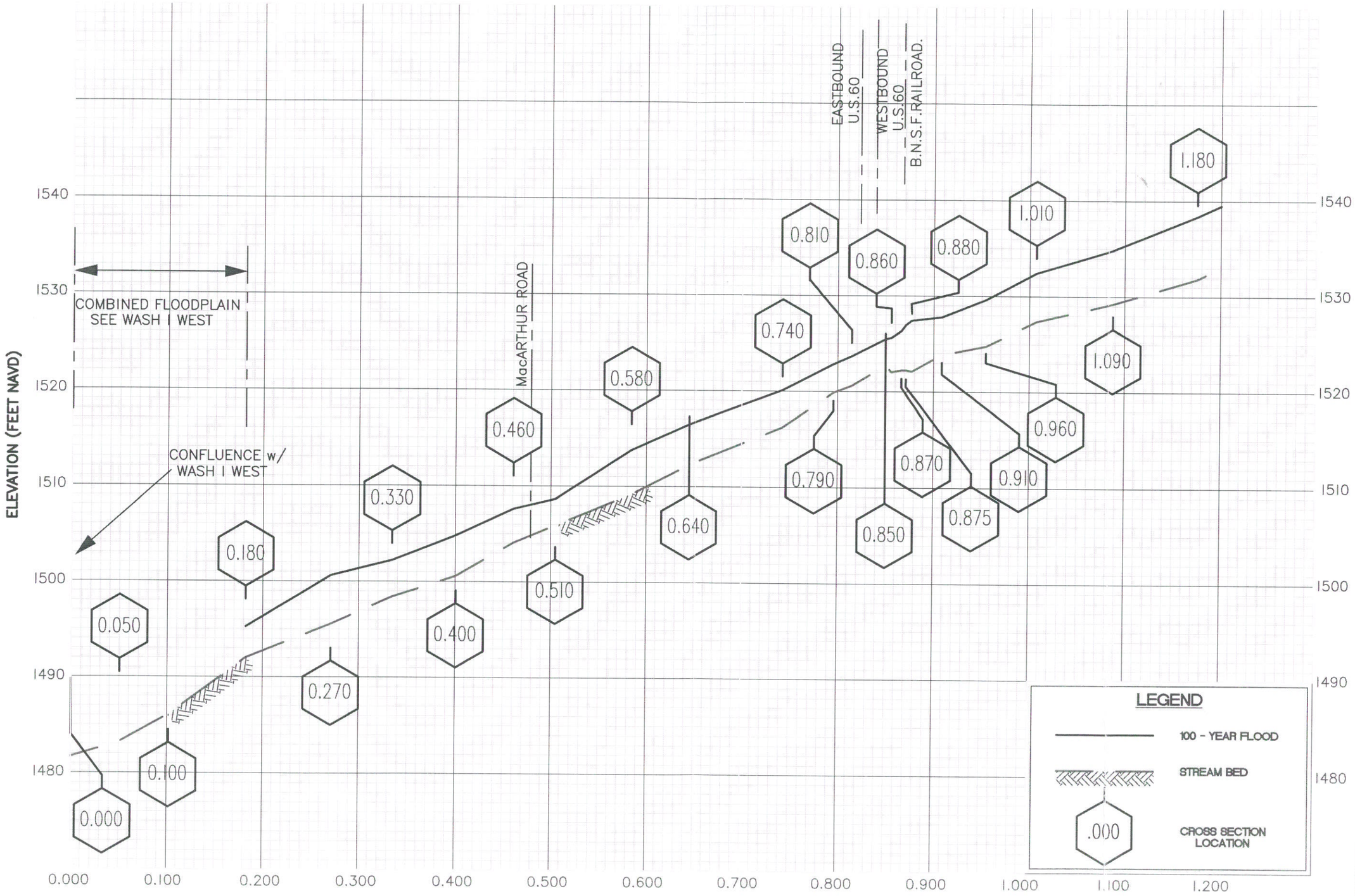
FLOOD PROFILES

1 WEST

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU
FLOOD DELINEATION STUDY

Profile_1 WEST...
Date: 07-27-05



FLOOD PROFILES

1 EAST

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU
FLOOD DELINEATION STUDY

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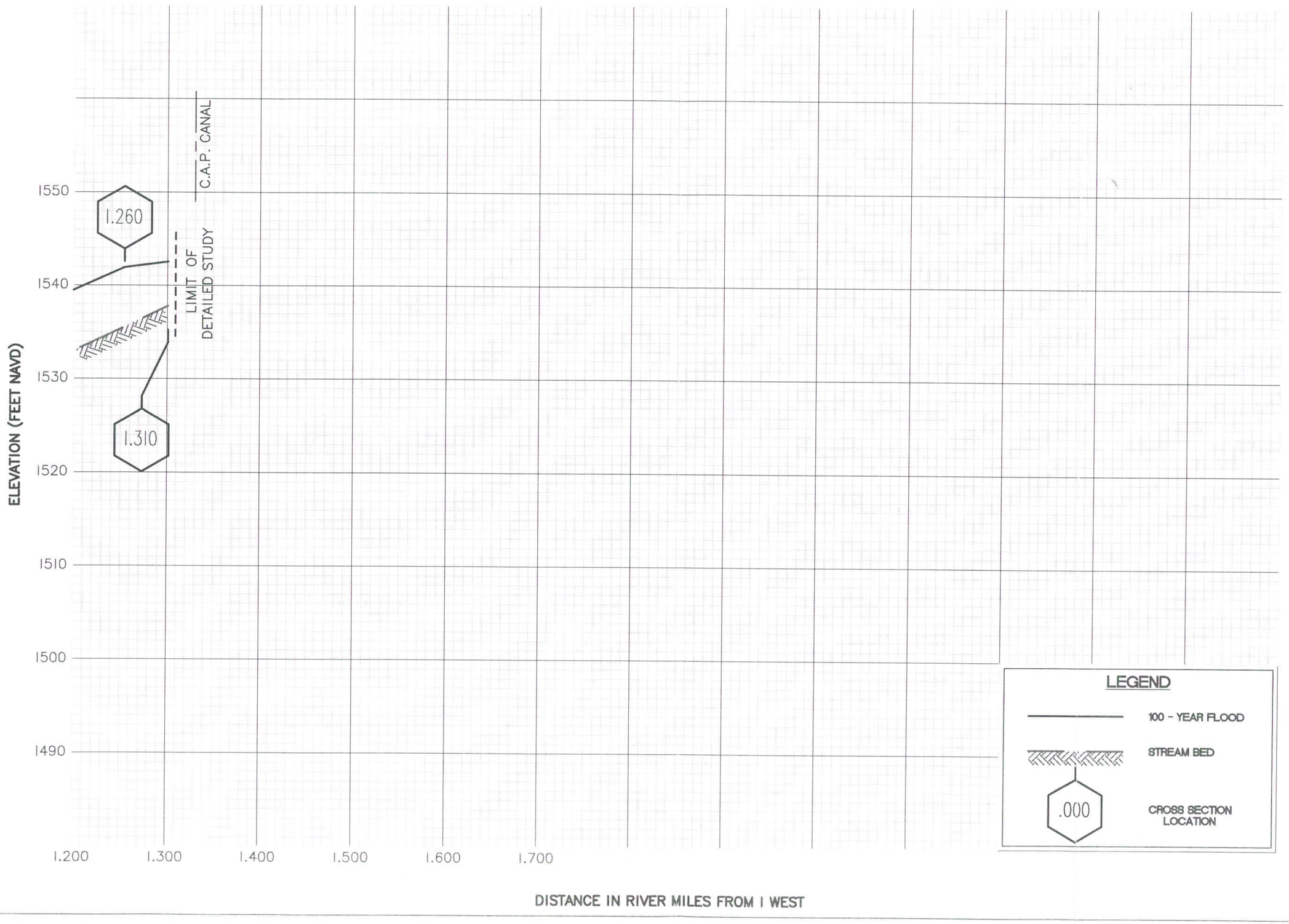

FLOOD PROFILES

1 EAST

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU
FLOOD DELINEATION STUDY

Profile_I EAST...
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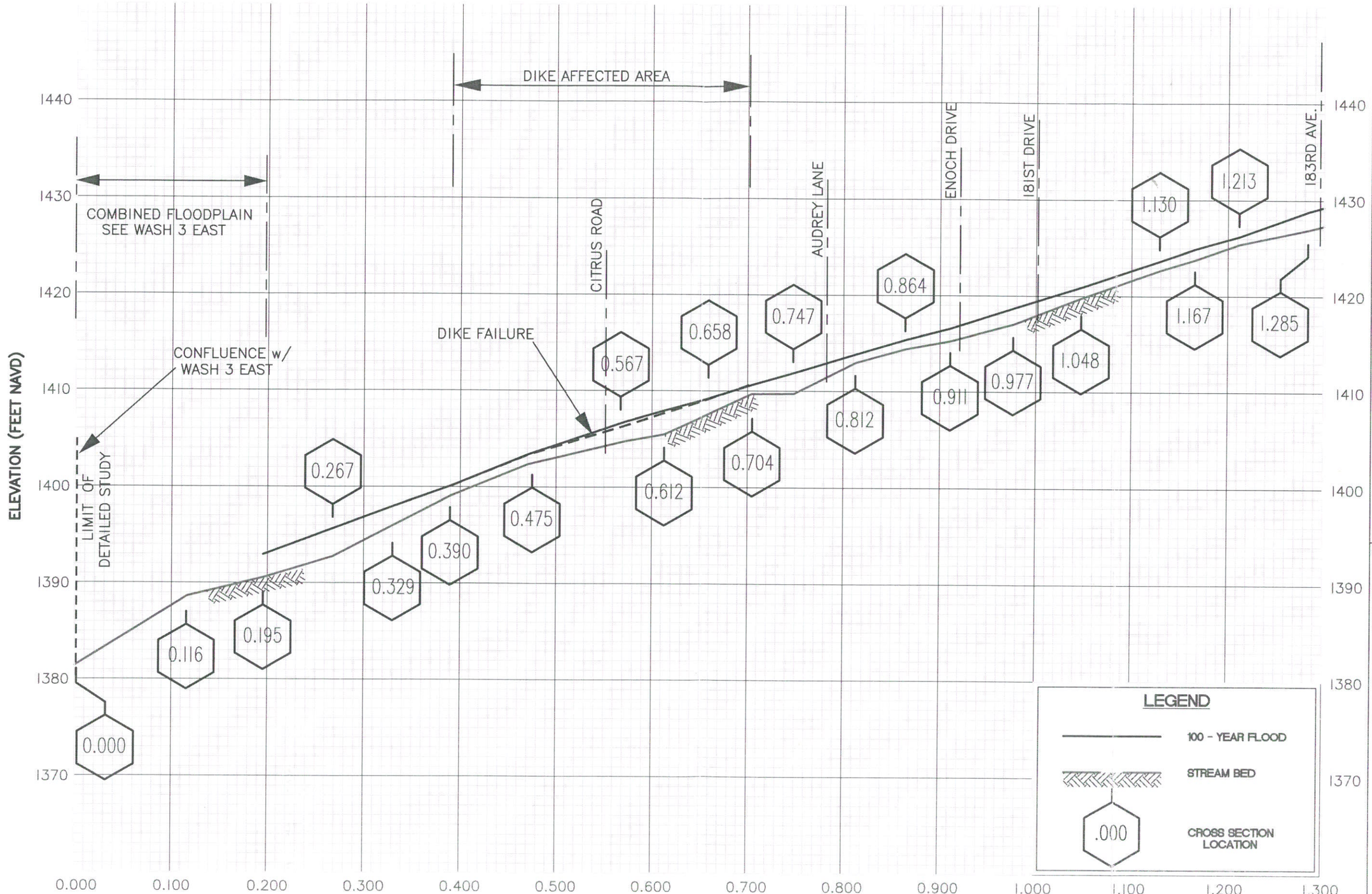


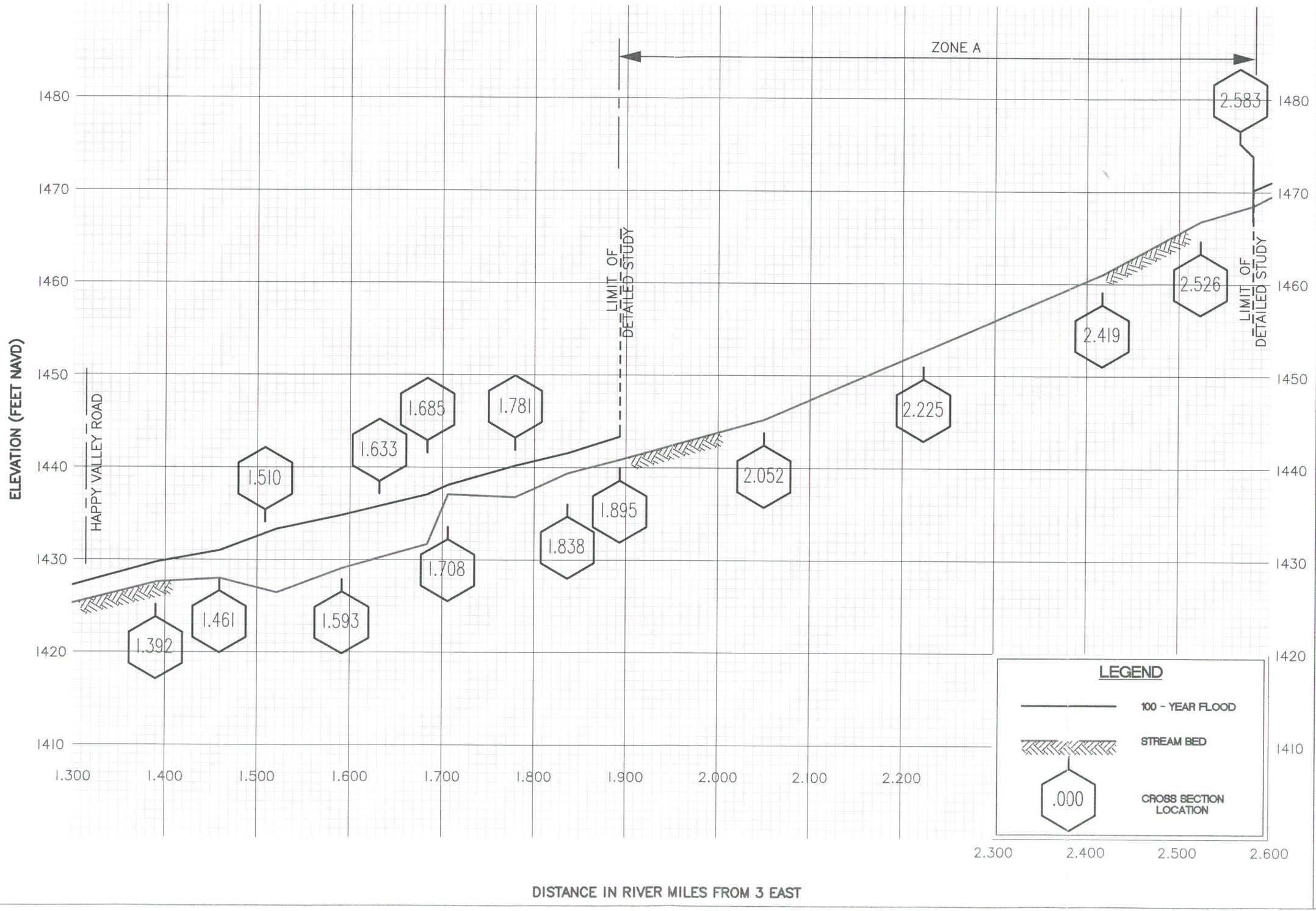
FLOOD PROFILES

2 EAST

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU
FLOOD DELINEATION STUDY

Profile_2EAST.dwg
Date: 07-16-2005



FLOOD PROFILES

2 EAST

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU
FLOOD DELINEATION STUDY

Profile_2EAST.dwg
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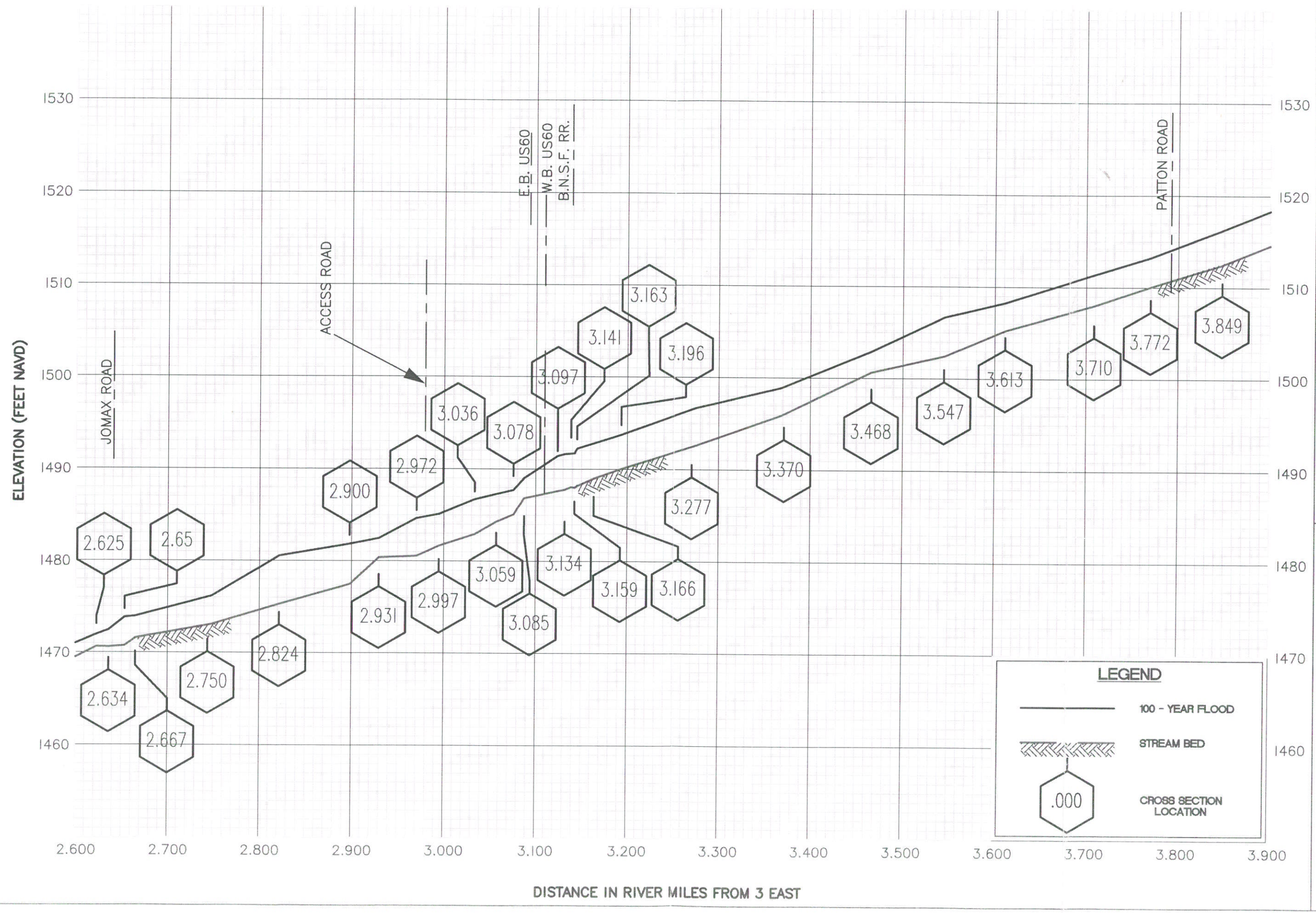

FLOOD PROFILES

2 EAST

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU

FLOOD DELINEATION STUDY

Profile_2EAST.dwg
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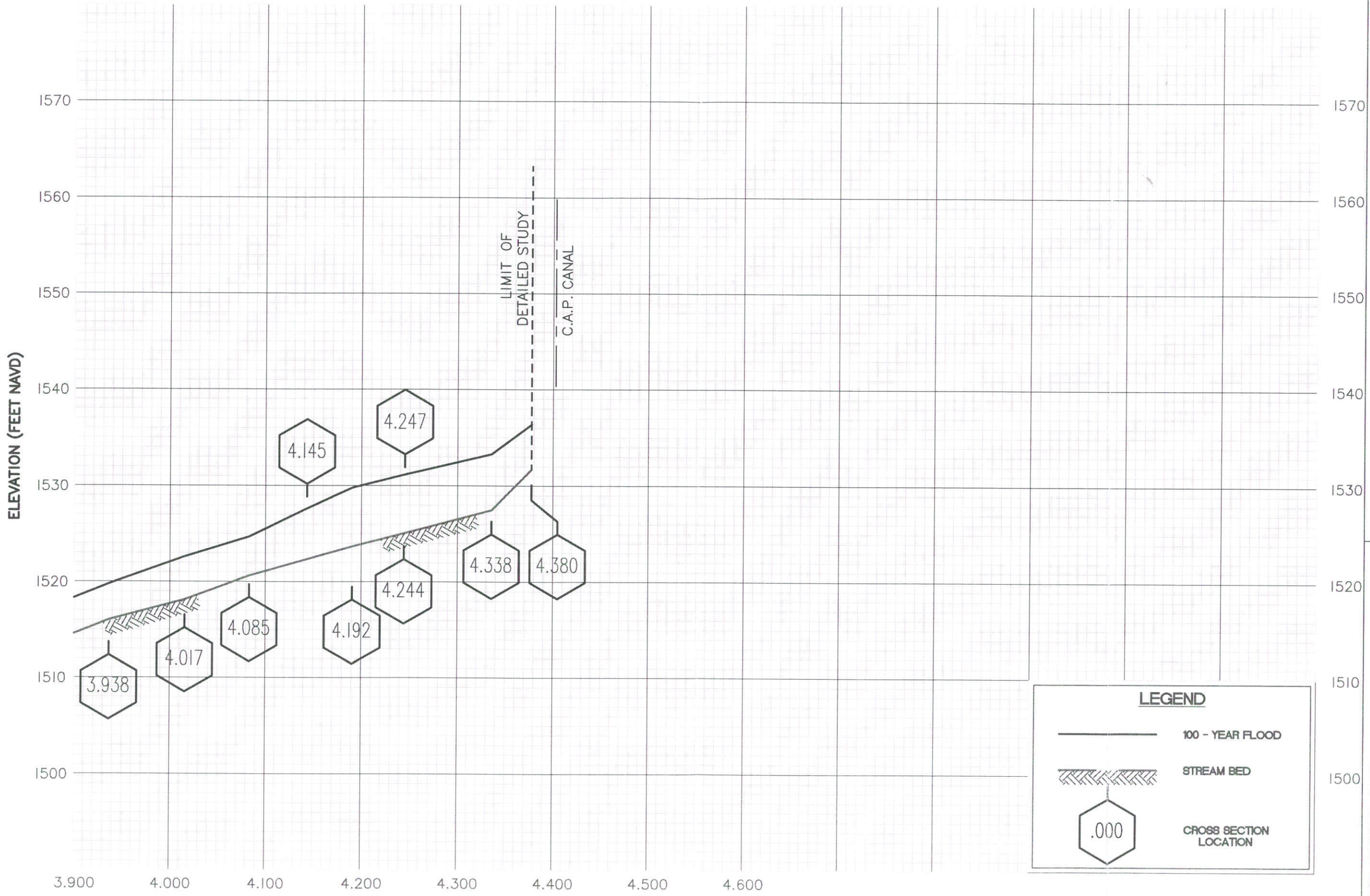


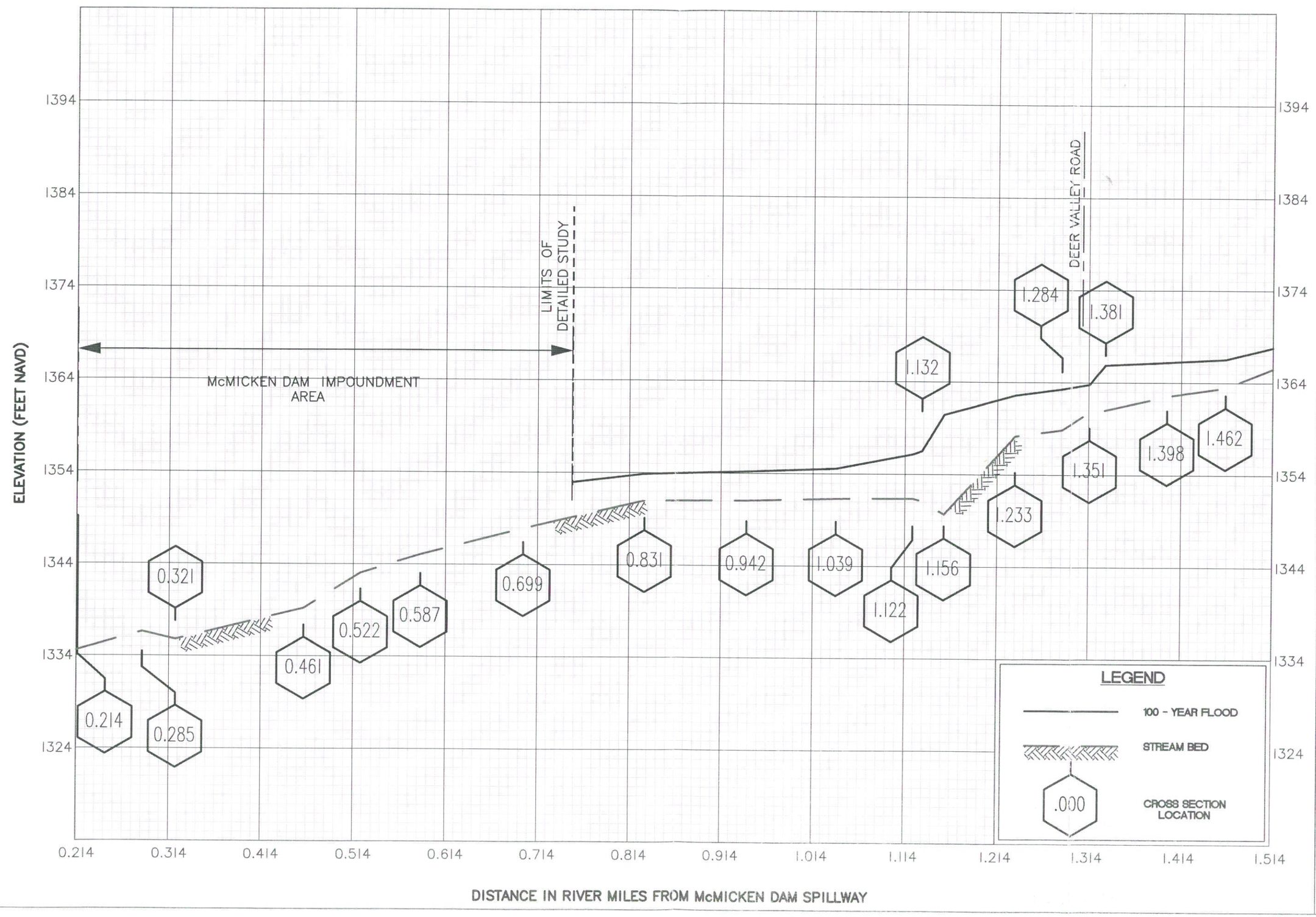
FLOOD PROFILES

2 EAST

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU
FLOOD DELINEATION STUDY

Profile_2EAST.dwg
Date: 07-16-2005



FLOOD PROFILES

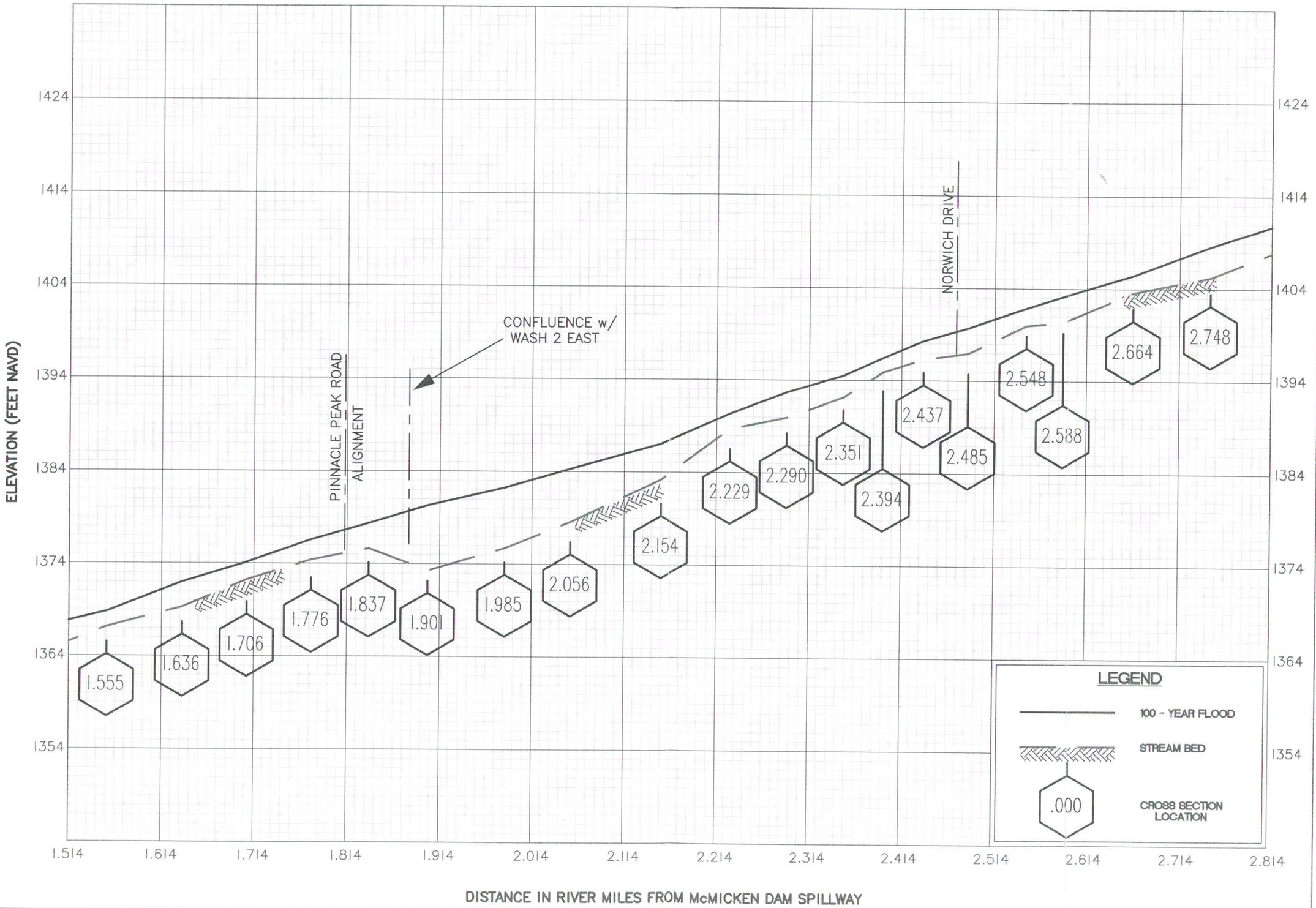
3 EAST

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU

FLOOD DELINEATION STUDY

Profile_3 EAST.
Date: 07-27-05



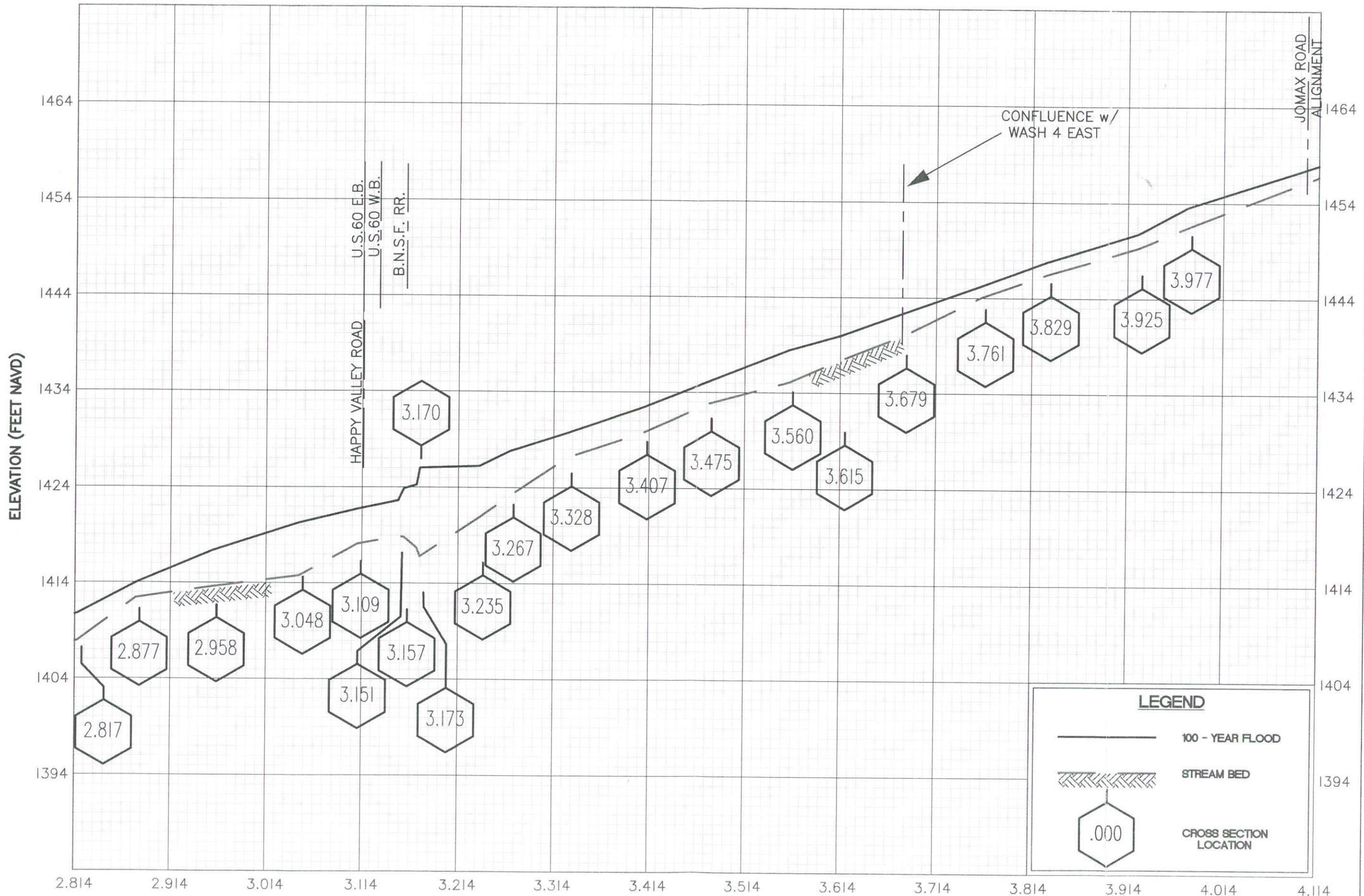
FLOOD PROFILES

3 EAST

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU
FLOOD DELINEATION STUDY

Profile_3 EAST.
Date: 07-27-05



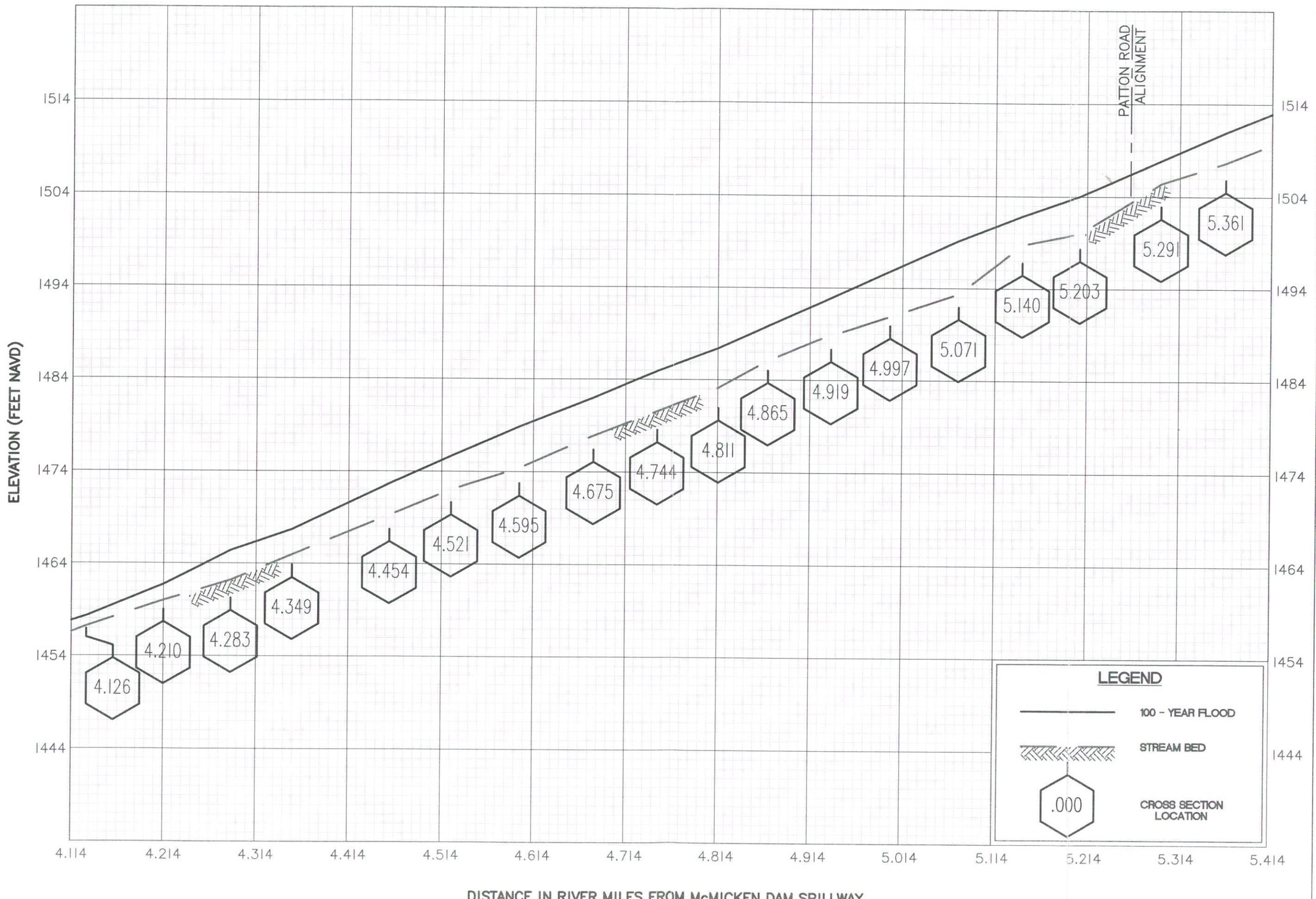
FLOOD PROFILES

3 EAST

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU
FLOOD DELINEATION STUDY

Profile_3 EAST.dwg
Date: 07-27-05



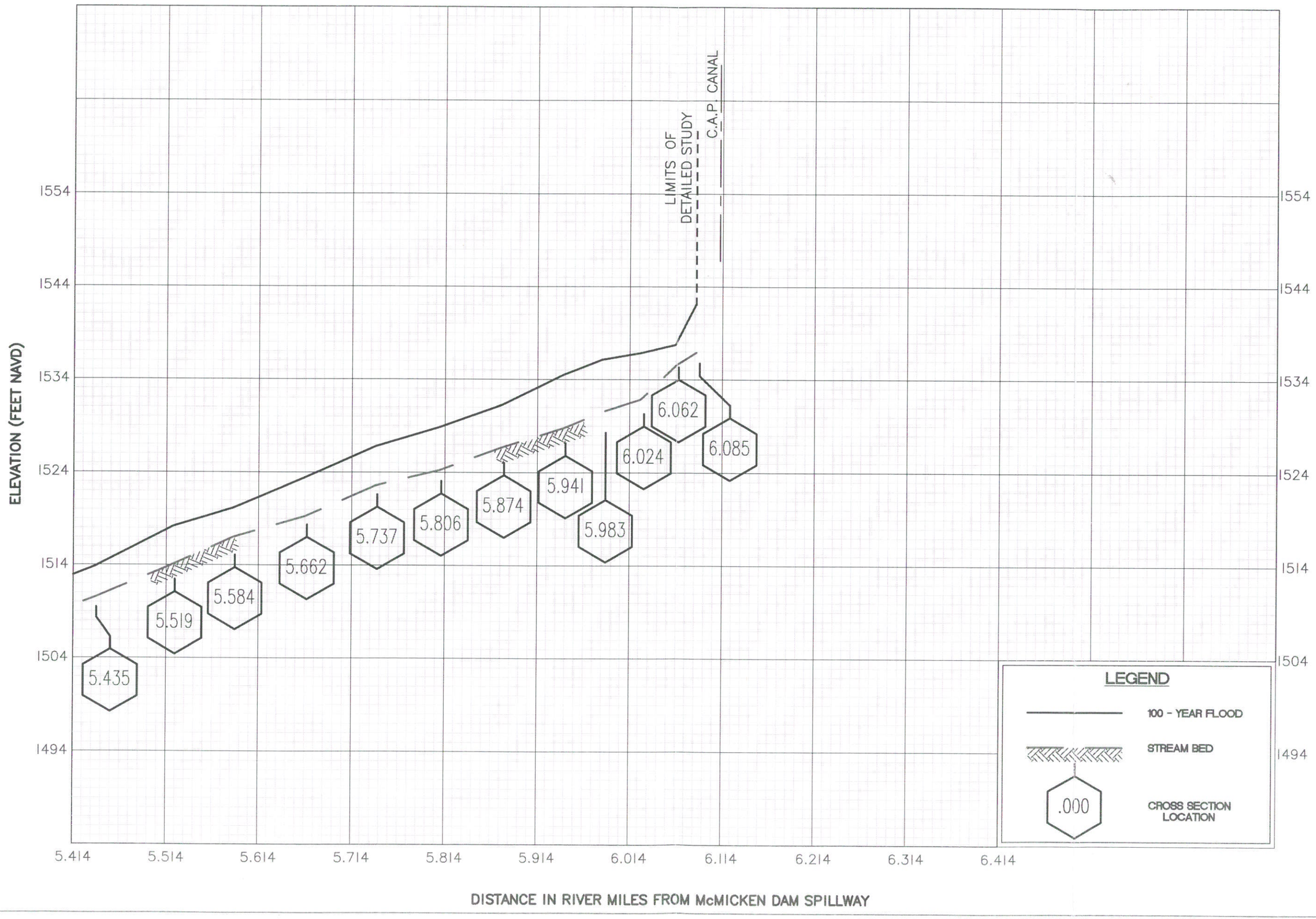
FLOOD PROFILES

3 EAST

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU
FLOOD DELINEATION STUDY

Profile_3 EAST.c...y
Date: 07-27-05



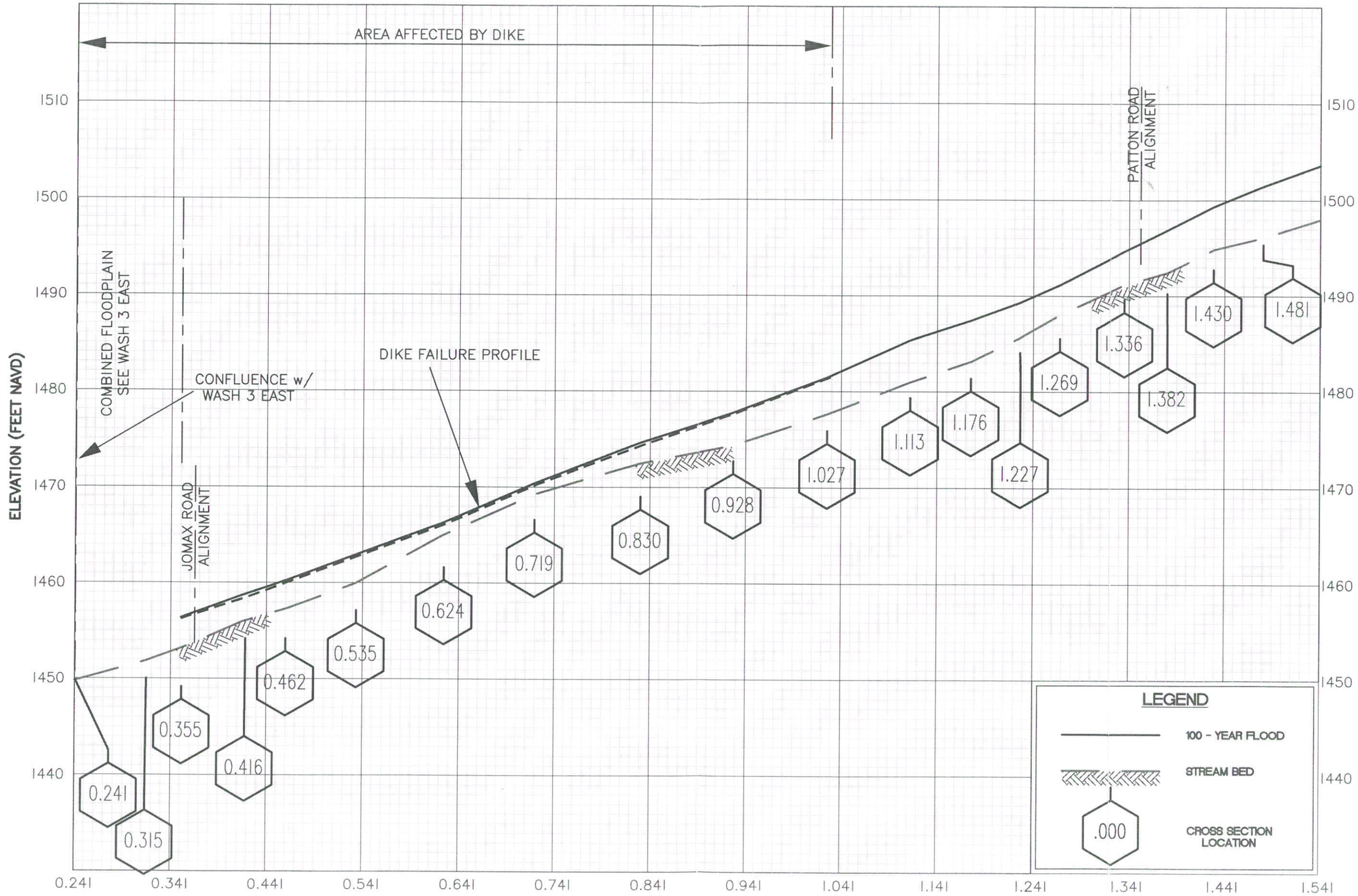
FLOOD PROFILES

3 EAST

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU
FLOOD DELINEATION STUDY

Profile_3 EAST.c_g
Date: 07-27-05



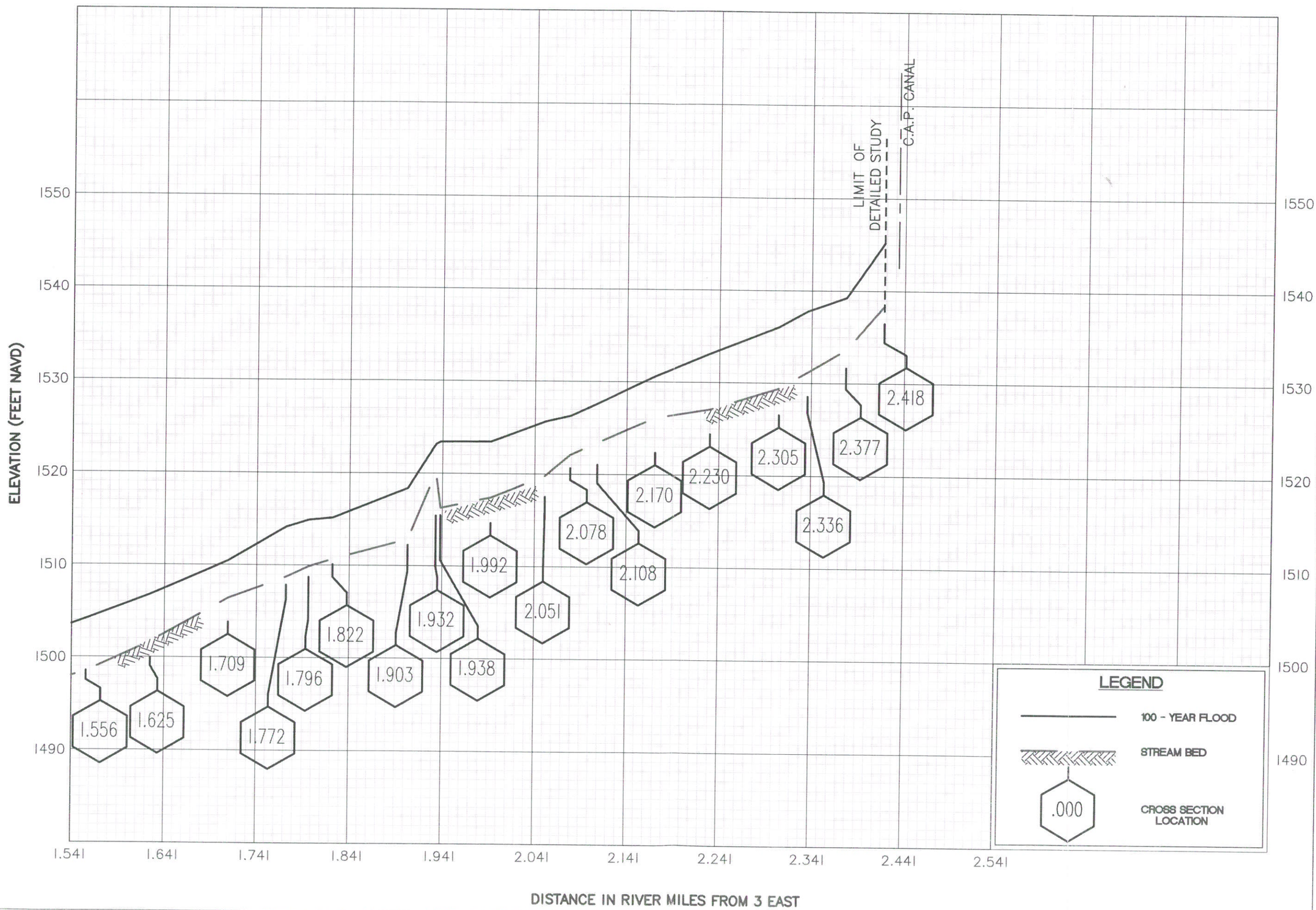
FLOOD PROFILES

4 EAST

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU
FLOOD DELINEATION STUDY

Profile_4E.dwg
Date: 07-11-2005



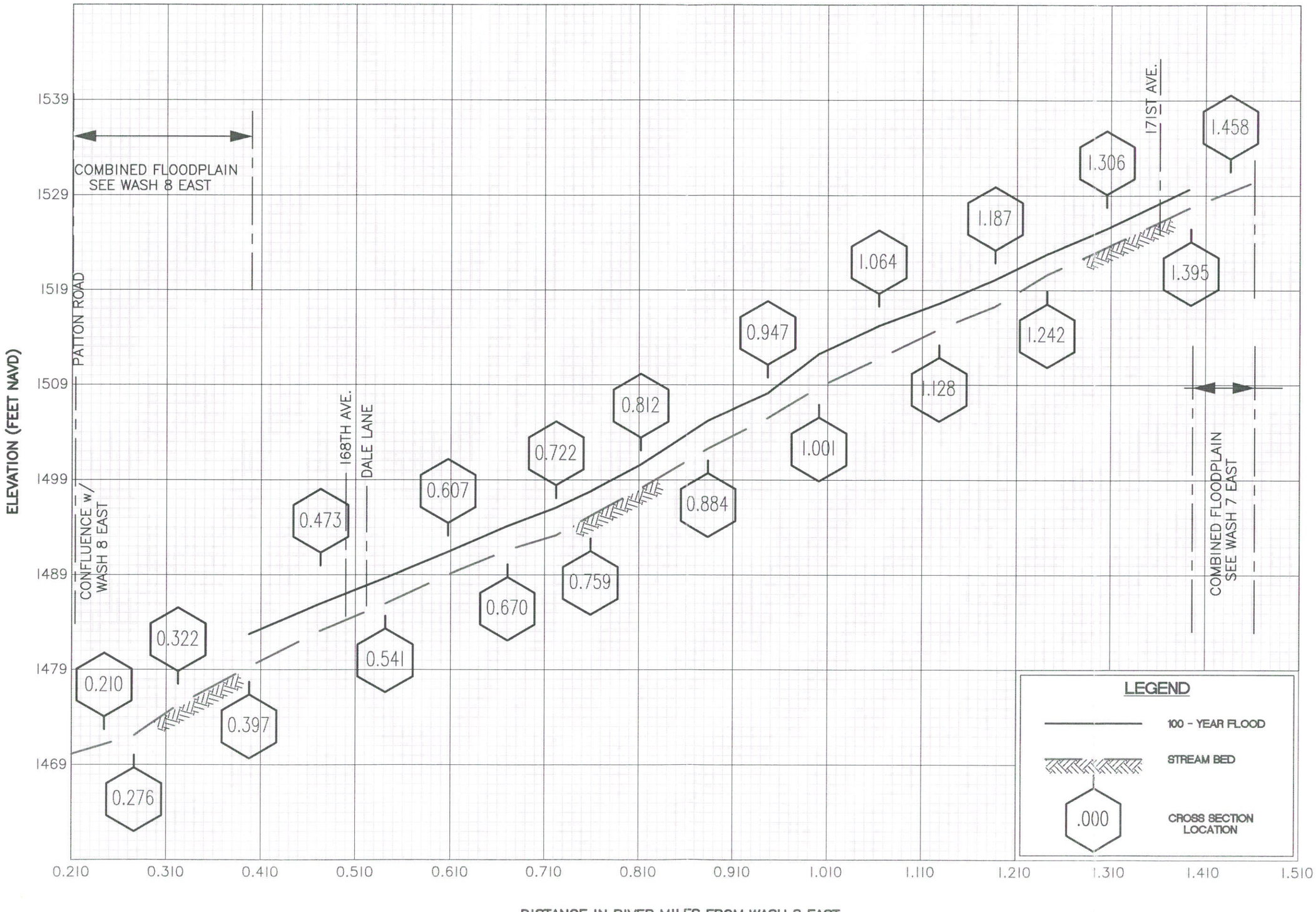
FLOOD PROFILES

4 EAST

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU
FLOOD DELINEATION STUDY

Profile_4E.dwg
Date: 07-11-2005



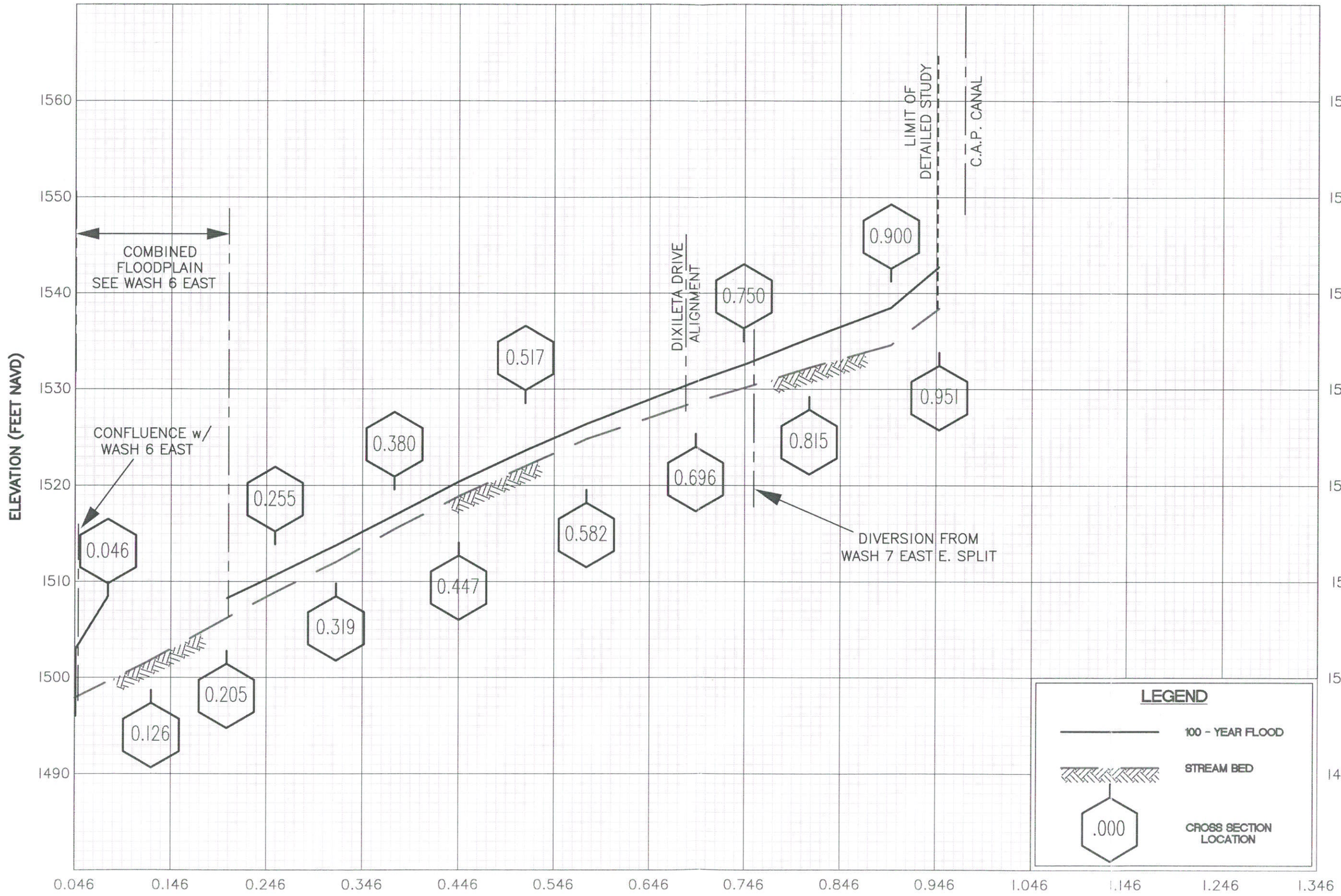
FLOOD PROFILES

7 EAST EAST SPLIT

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU
FLOOD DELINEATION STUDY

Profile_7E E.Sf ...g
Date: 07-09-2005



FLOOD PROFILES

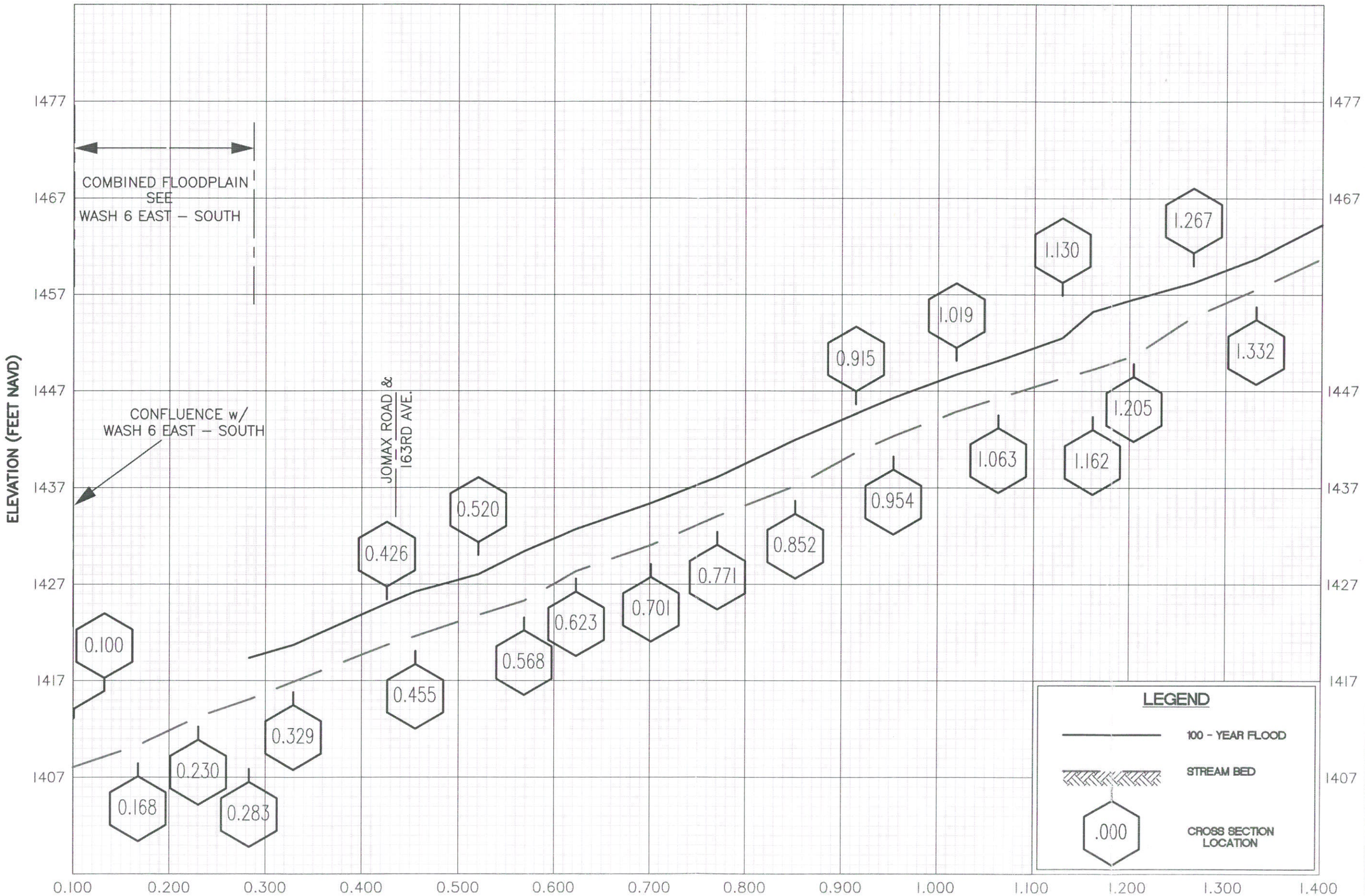
7 EAST WEST SPLIT

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU

FLOOD DELINEATION STUDY

Profile_7E W.Si ...rg
Date: 07-09-2005



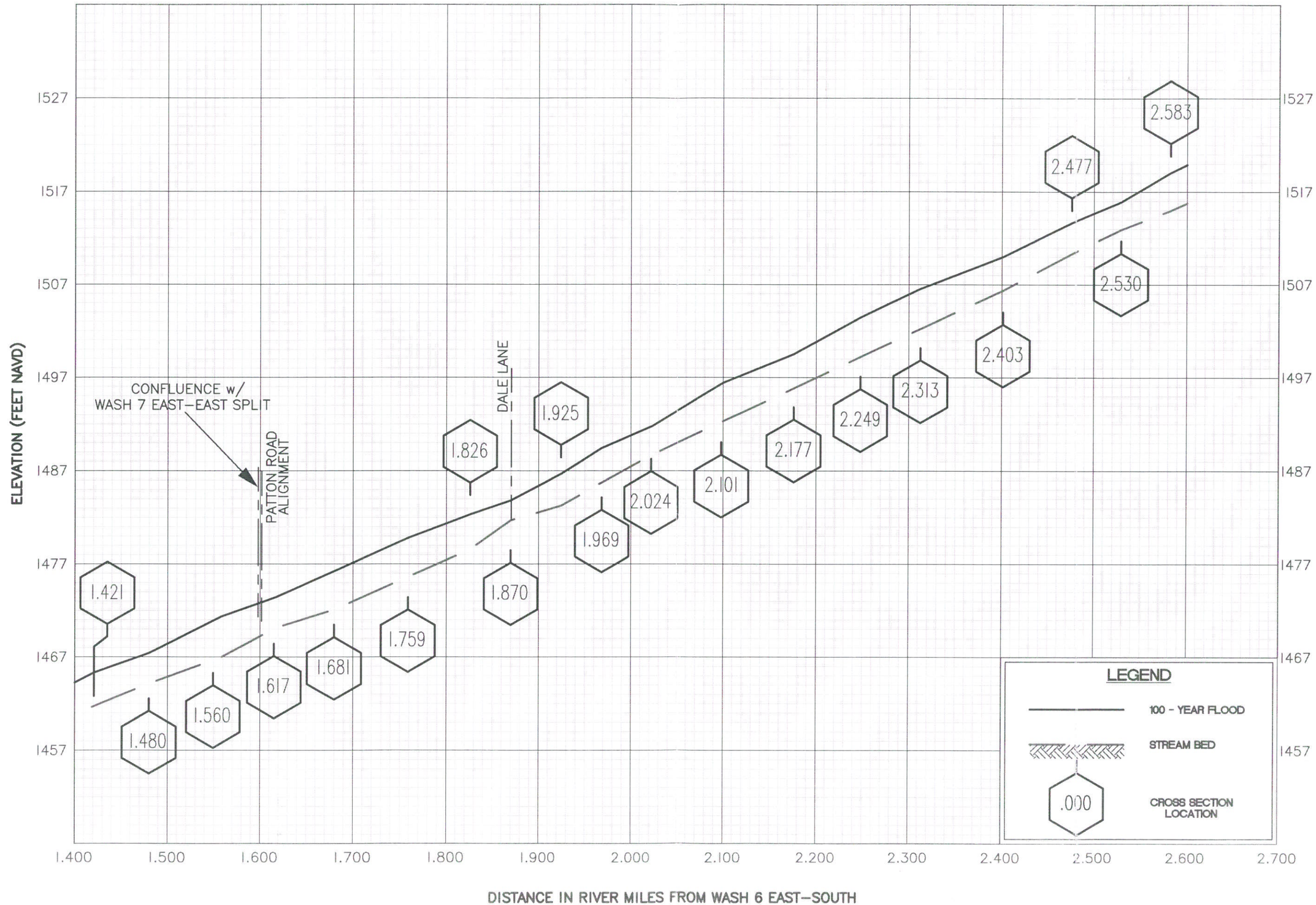
FLOOD PROFILES

8 EAST

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU
FLOOD DELINEATION STUDY

Profile_8 EAST.
Date: 07-27-05



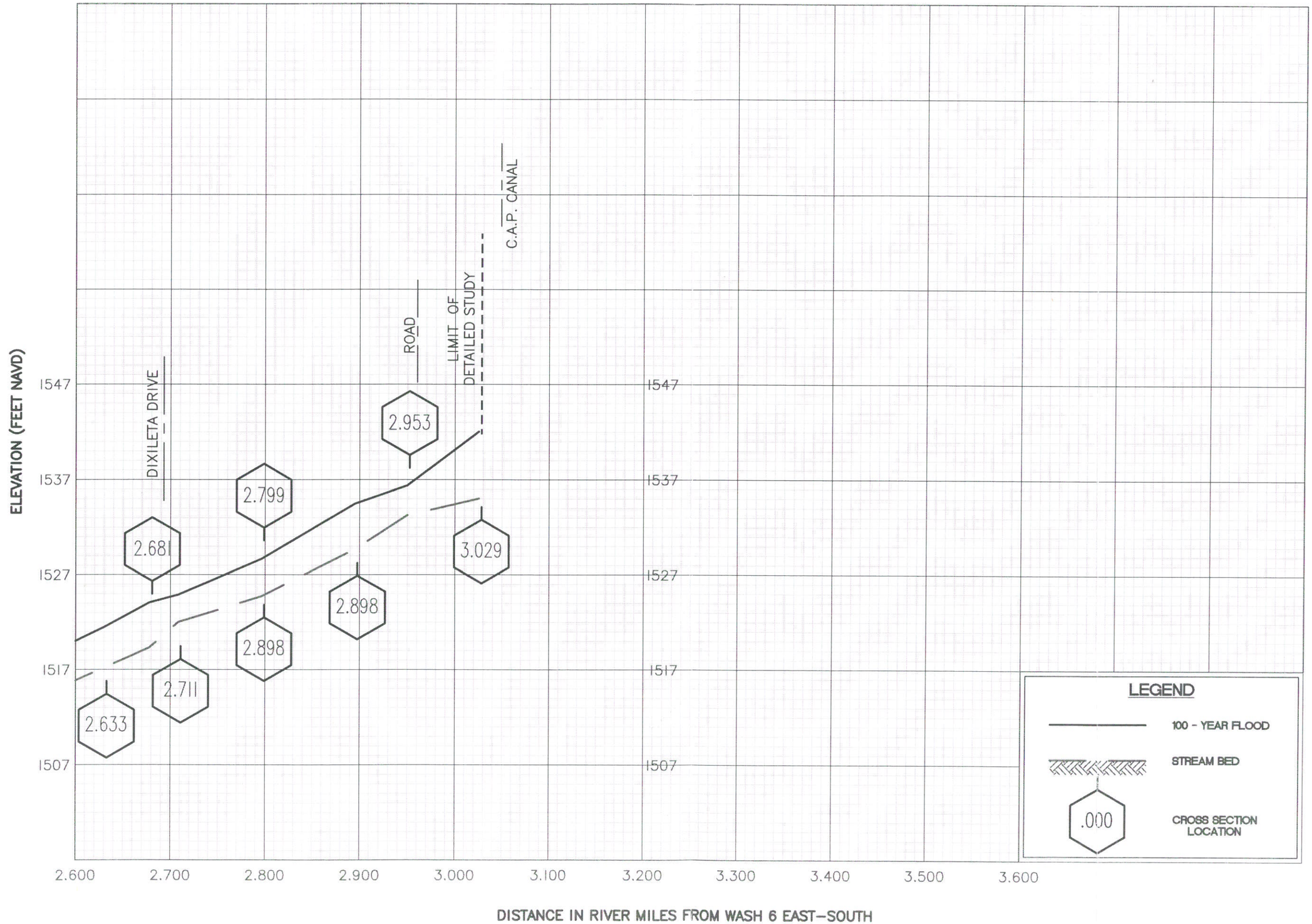
FLOOD PROFILES

8 EAST

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU
FLOOD DELINEATION STUDY

Profile_8 EAST.
Date: 07-27-05



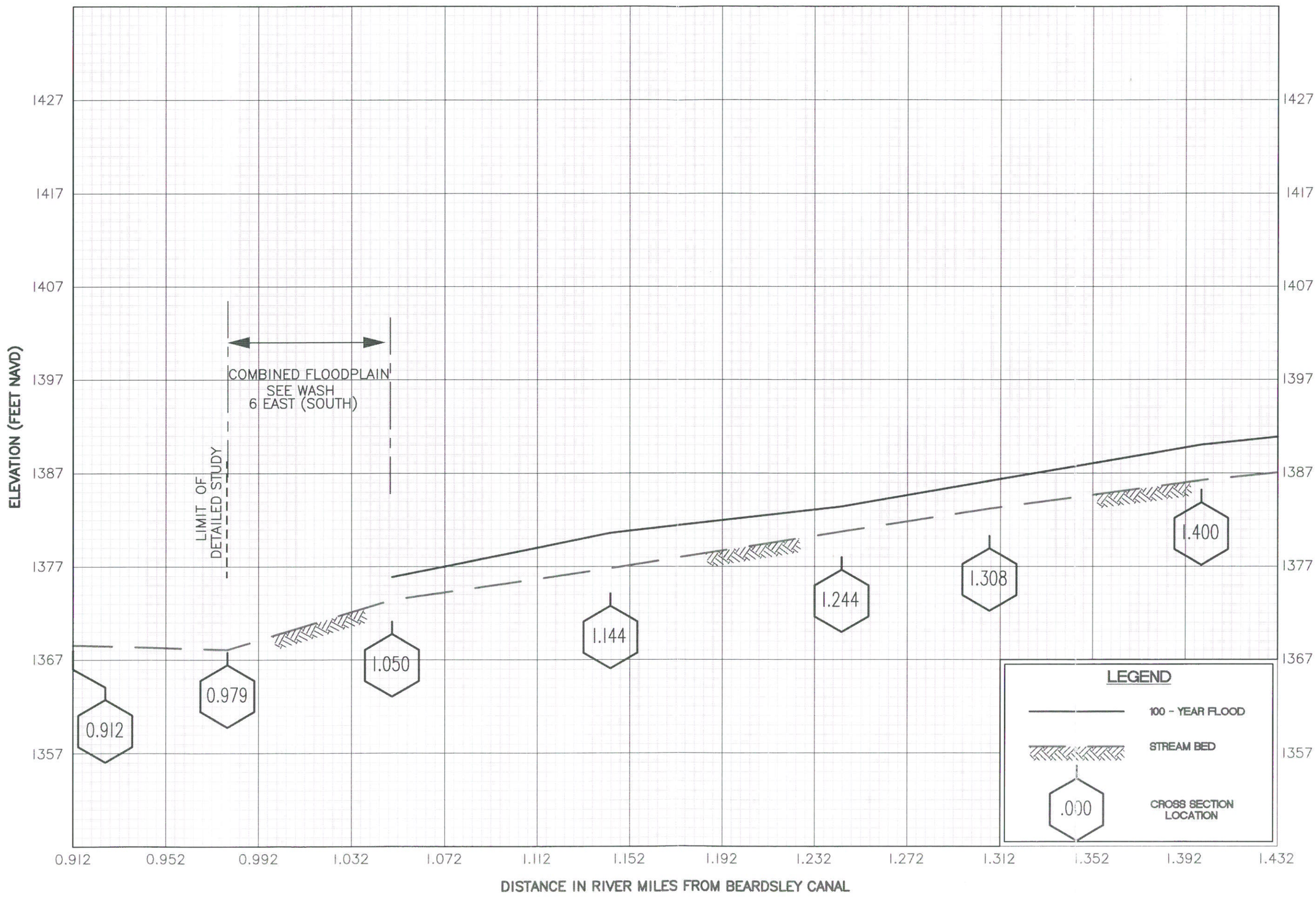
FLOOD PROFILES

8 EAST

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU
FLOOD DELINEATION STUDY

Profile_8 EAST.
Date: 07-27-05



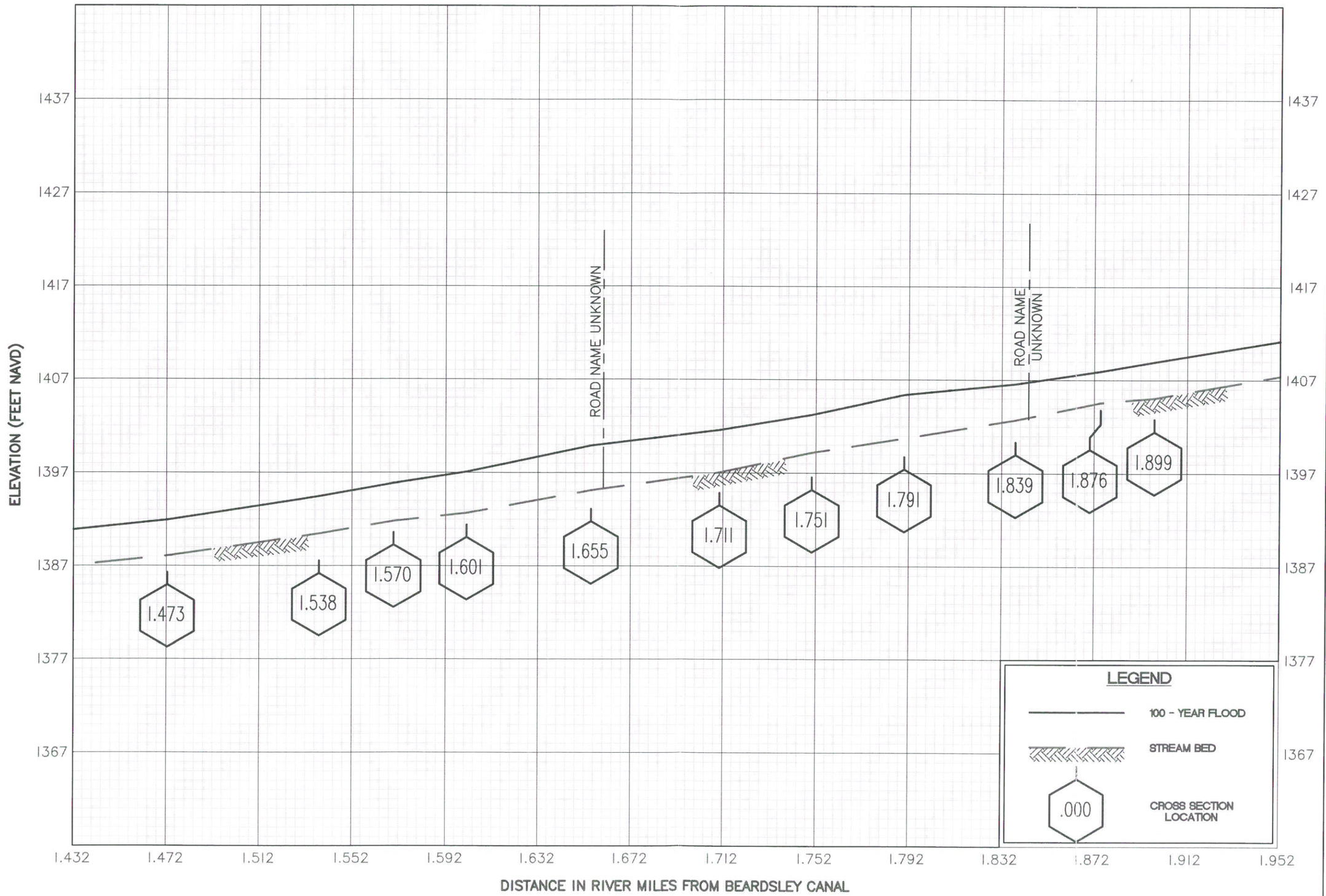
FLOOD PROFILES

WASH 9 EAST

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU
FLOOD DELINEATION STUDY

Profile_9E.dwg
Date: 07-13-2005



FLOOD PROFILES

WASH 9 EAST

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU
FLOOD DELINEATION STUDY

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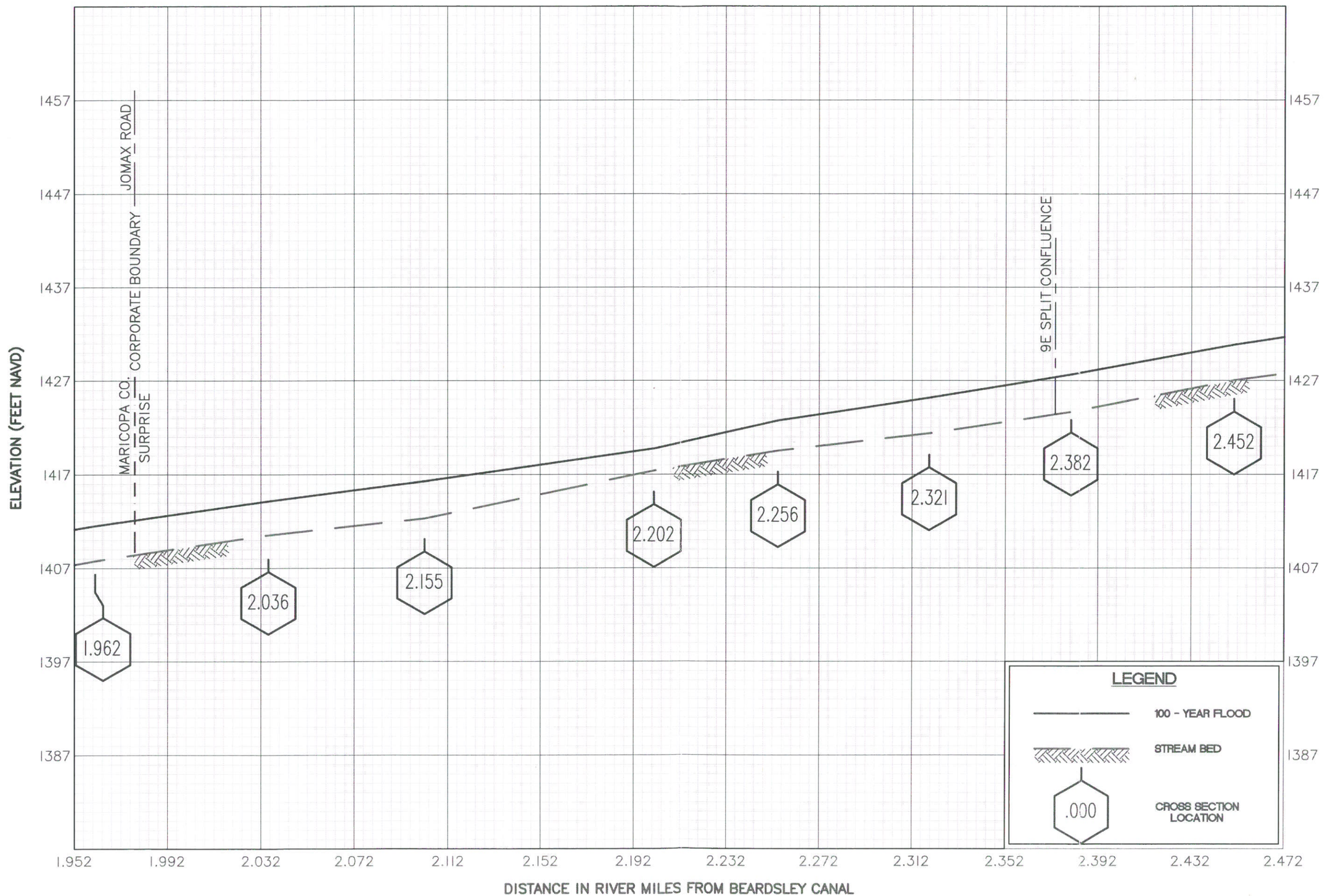

FLOOD PROFILES

WASH 9 EAST

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU
FLOOD DELINEATION STUDY

Profile_9E.dwg
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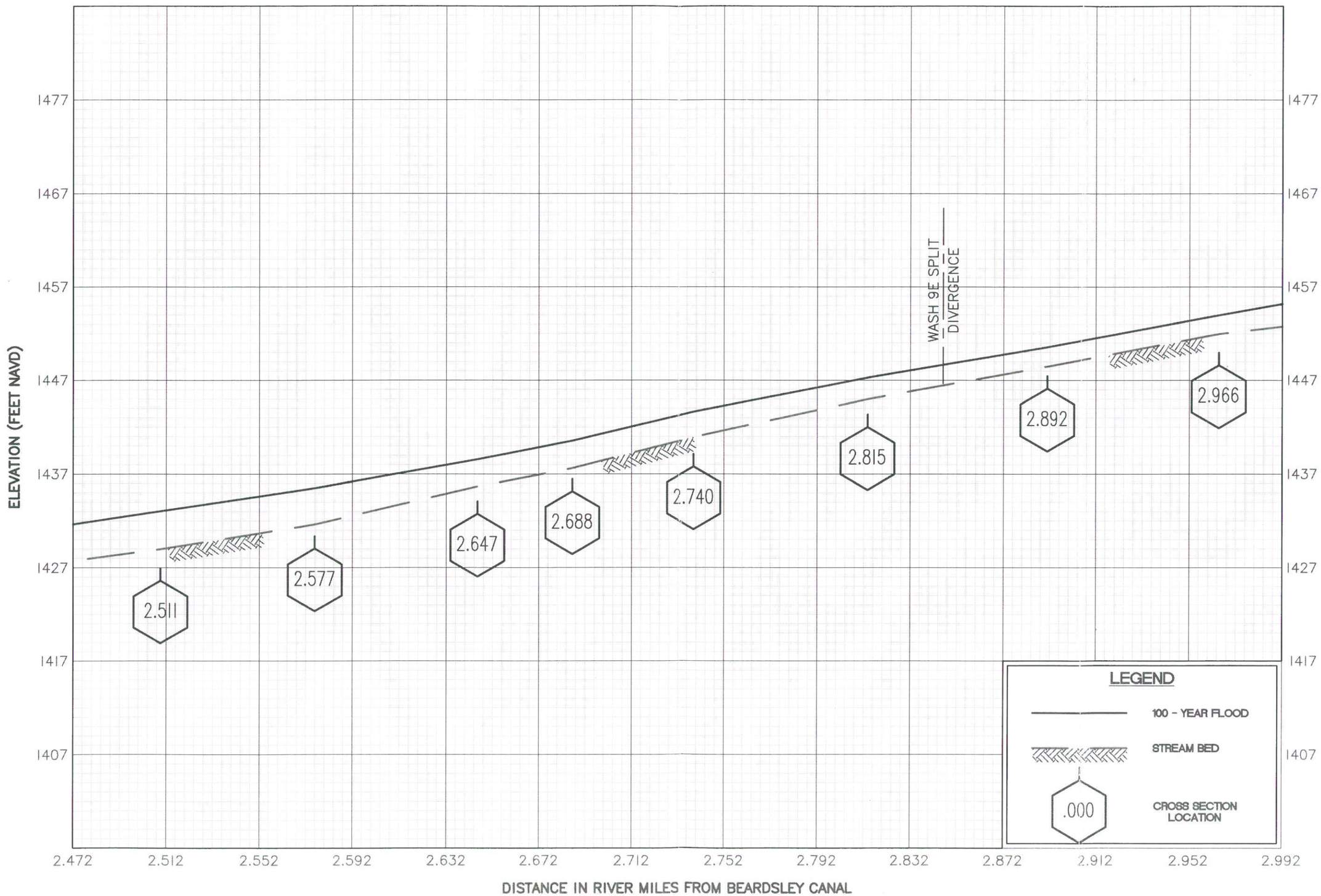

FLOOD PROFILES

WASH 9 EAST

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU
FLOOD DELINEATION STUDY

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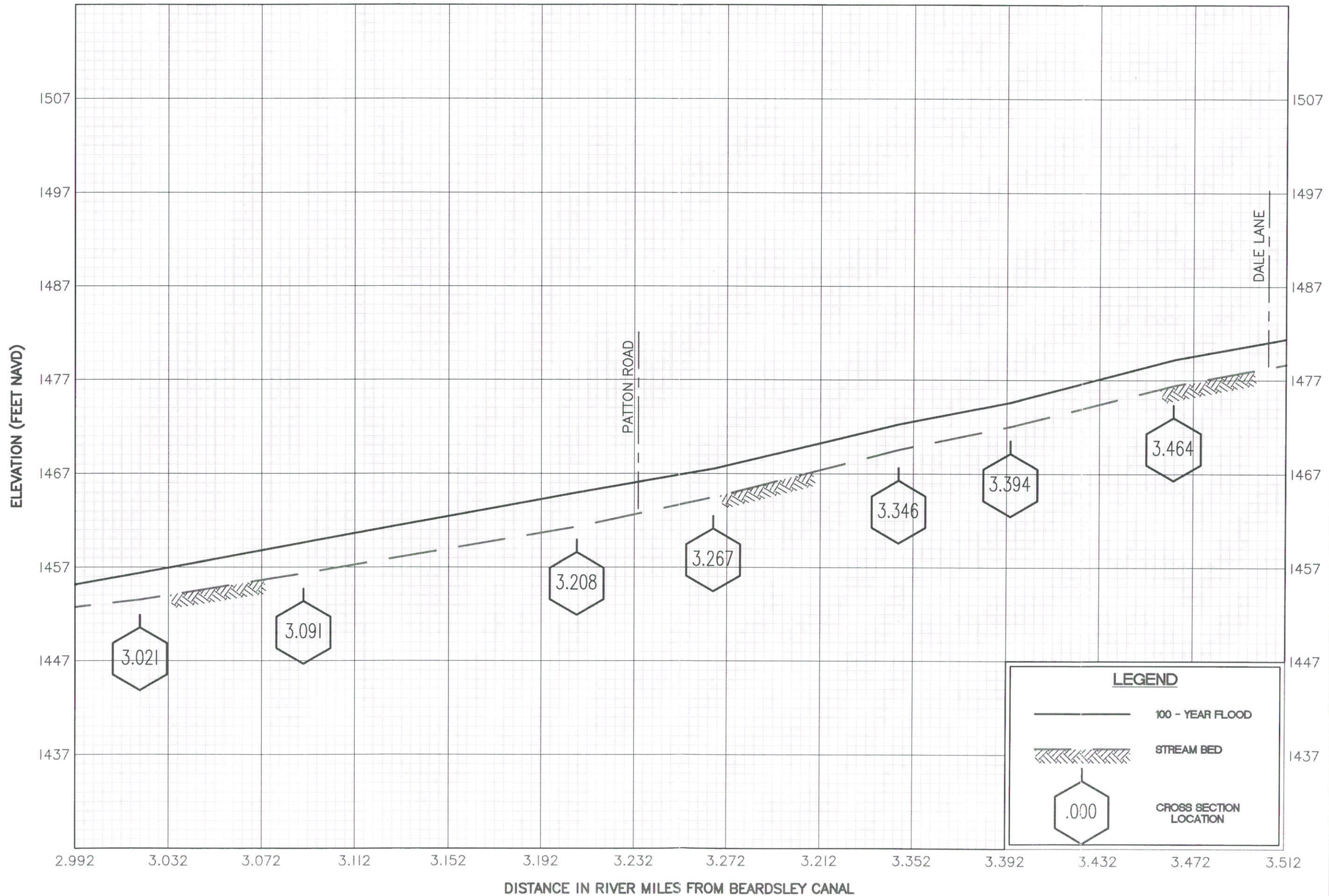

FLOOD PROFILES

WASH 9 EAST

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU
FLOOD DELINEATION STUDY

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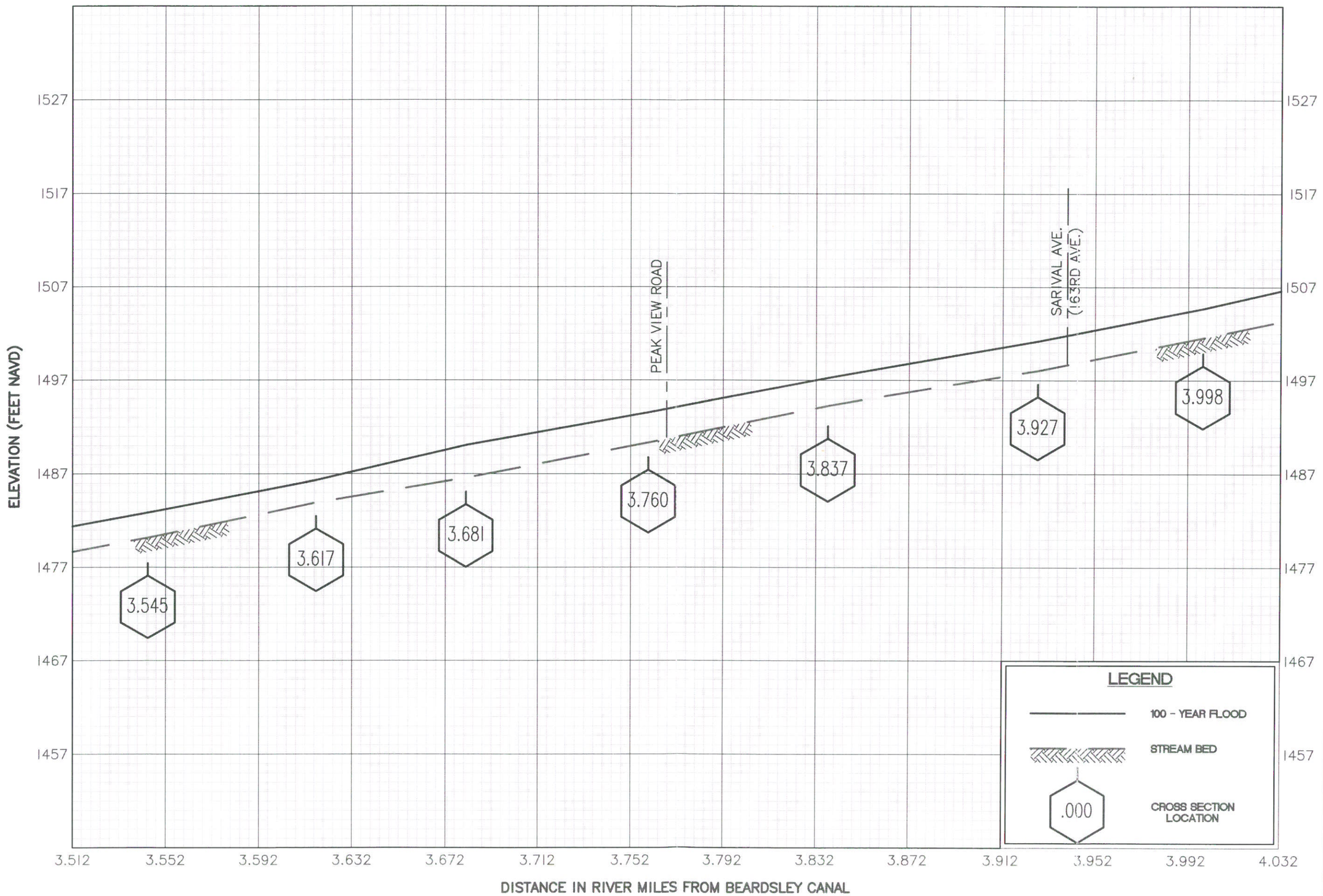

FLOOD PROFILES

WASH 9 EAST

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU
FLOOD DELINEATION STUDY

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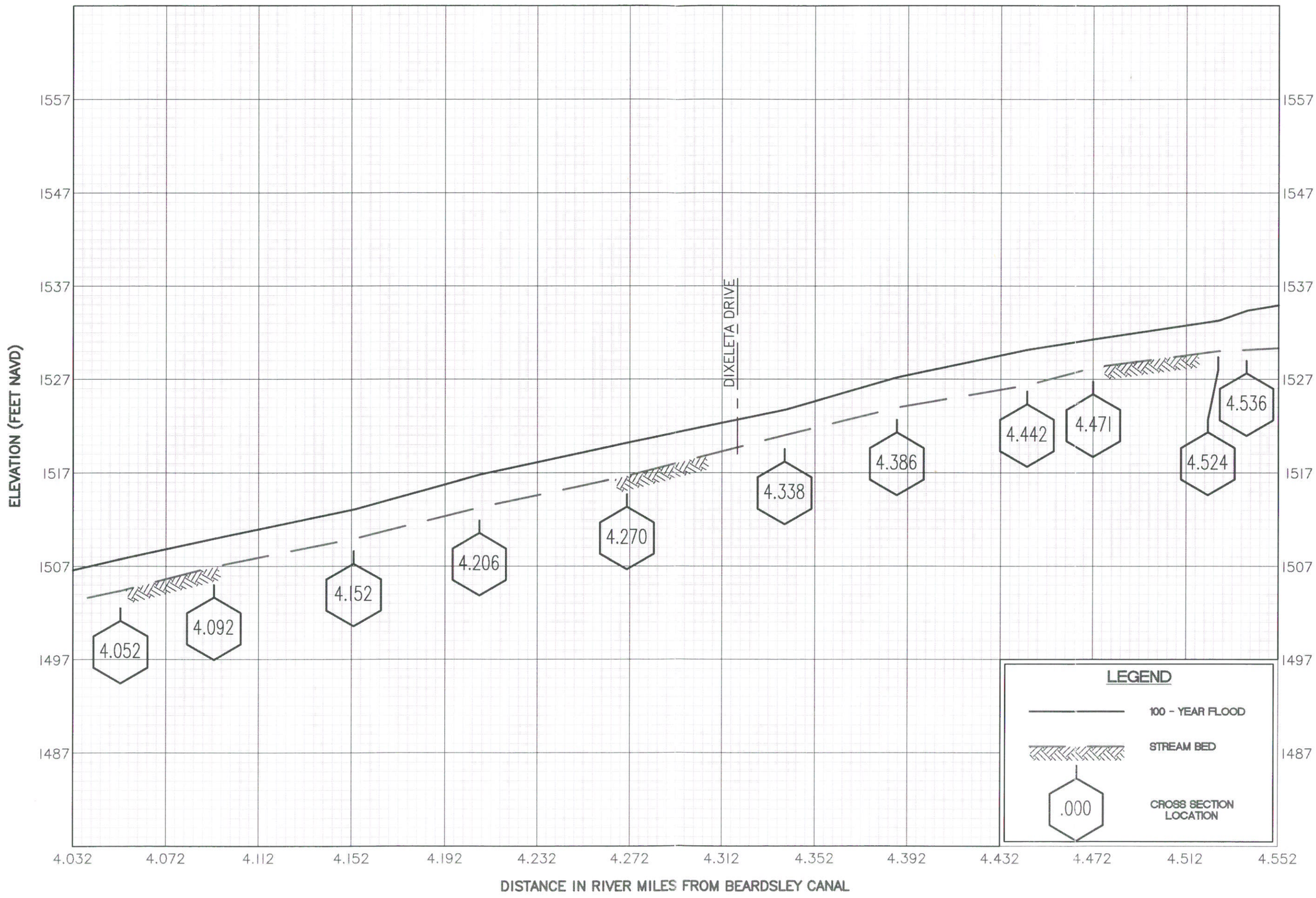

FLOOD PROFILES

WASH 9 EAST

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

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FLOOD DELINEATION STUDY

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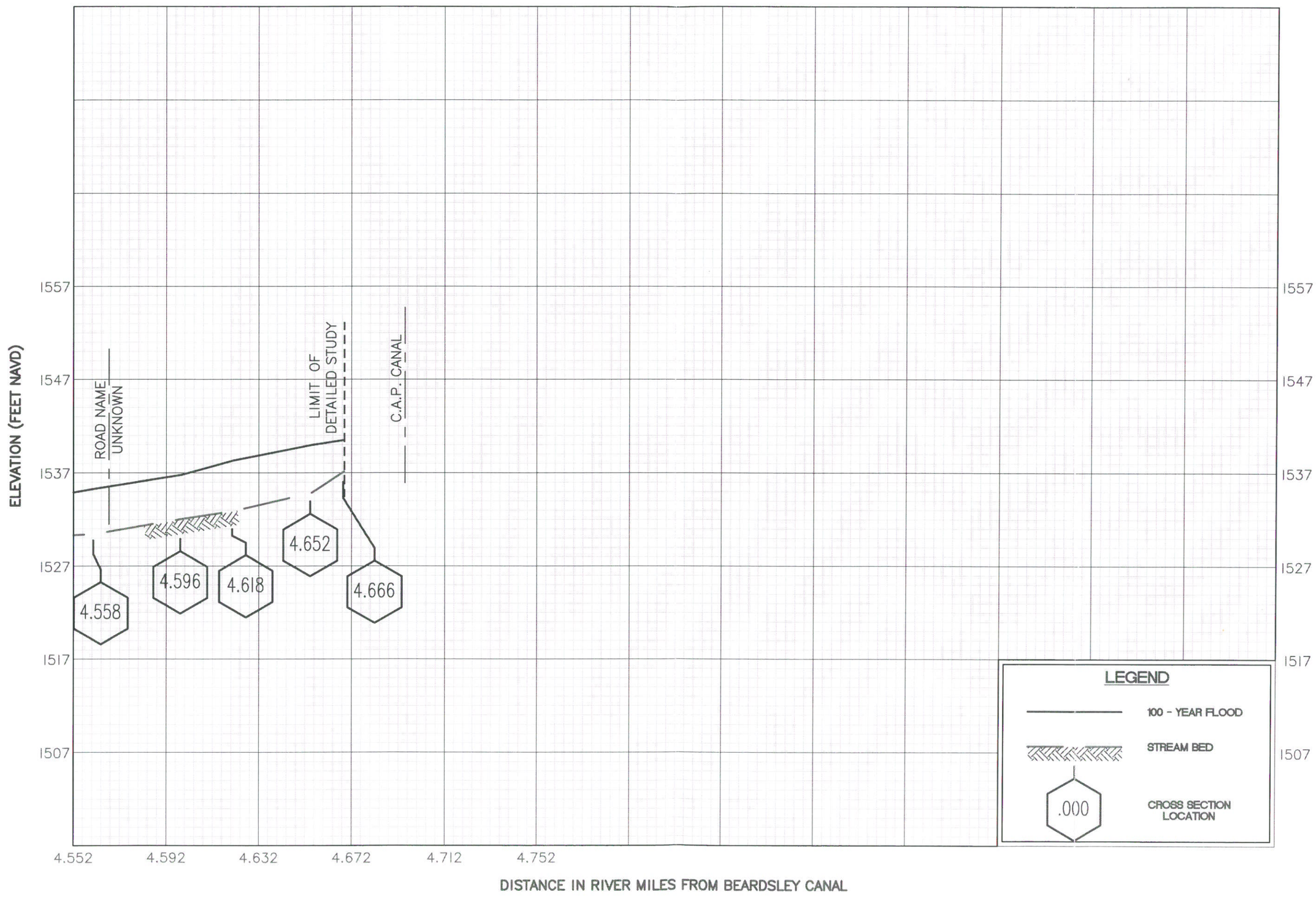

FLOOD PROFILES

WASH 9 EAST

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

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FLOOD DELINEATION STUDY

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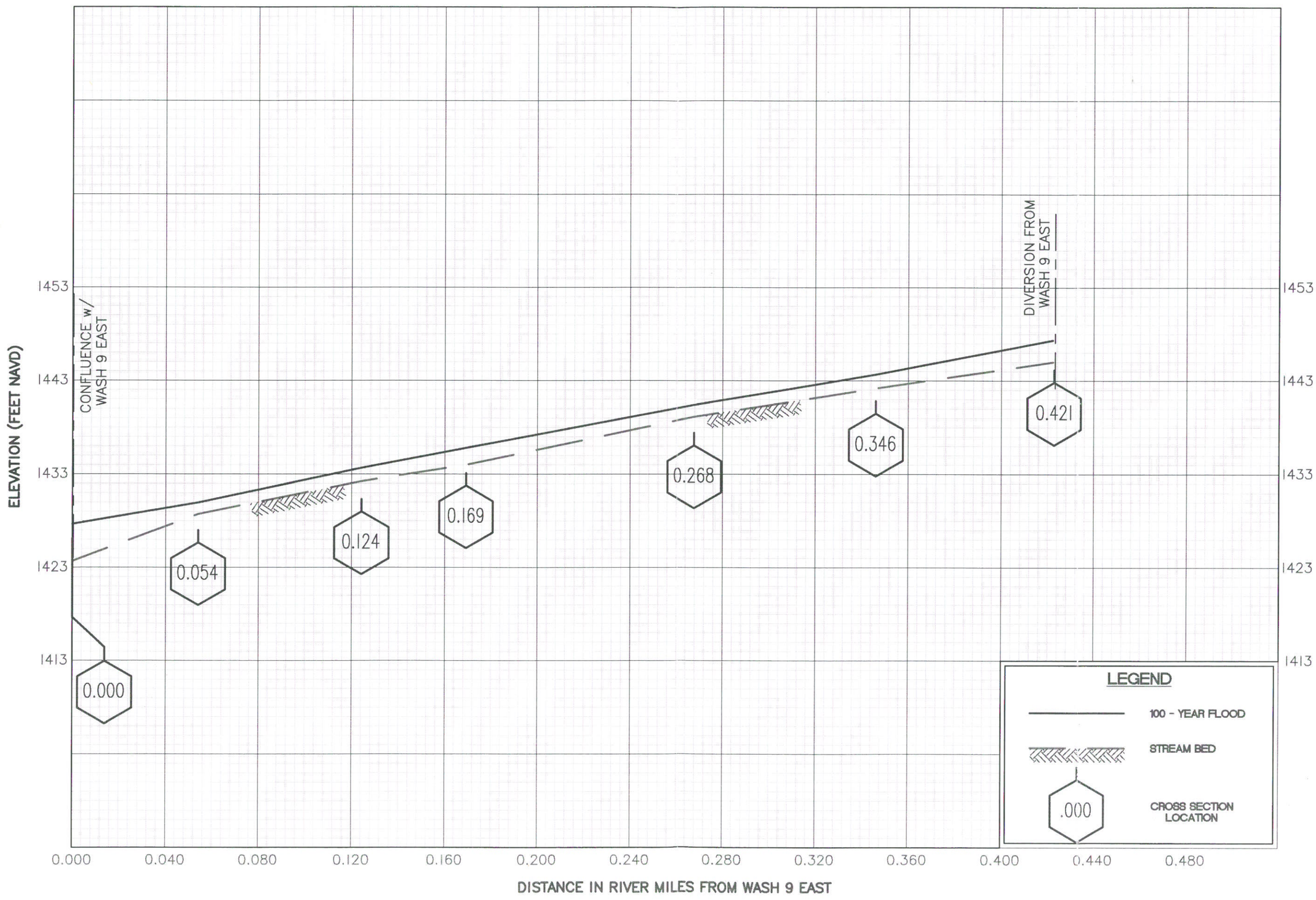

FLOOD PROFILES

WASH 9 EAST-SPLIT

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU
FLOOD DELINEATION STUDY

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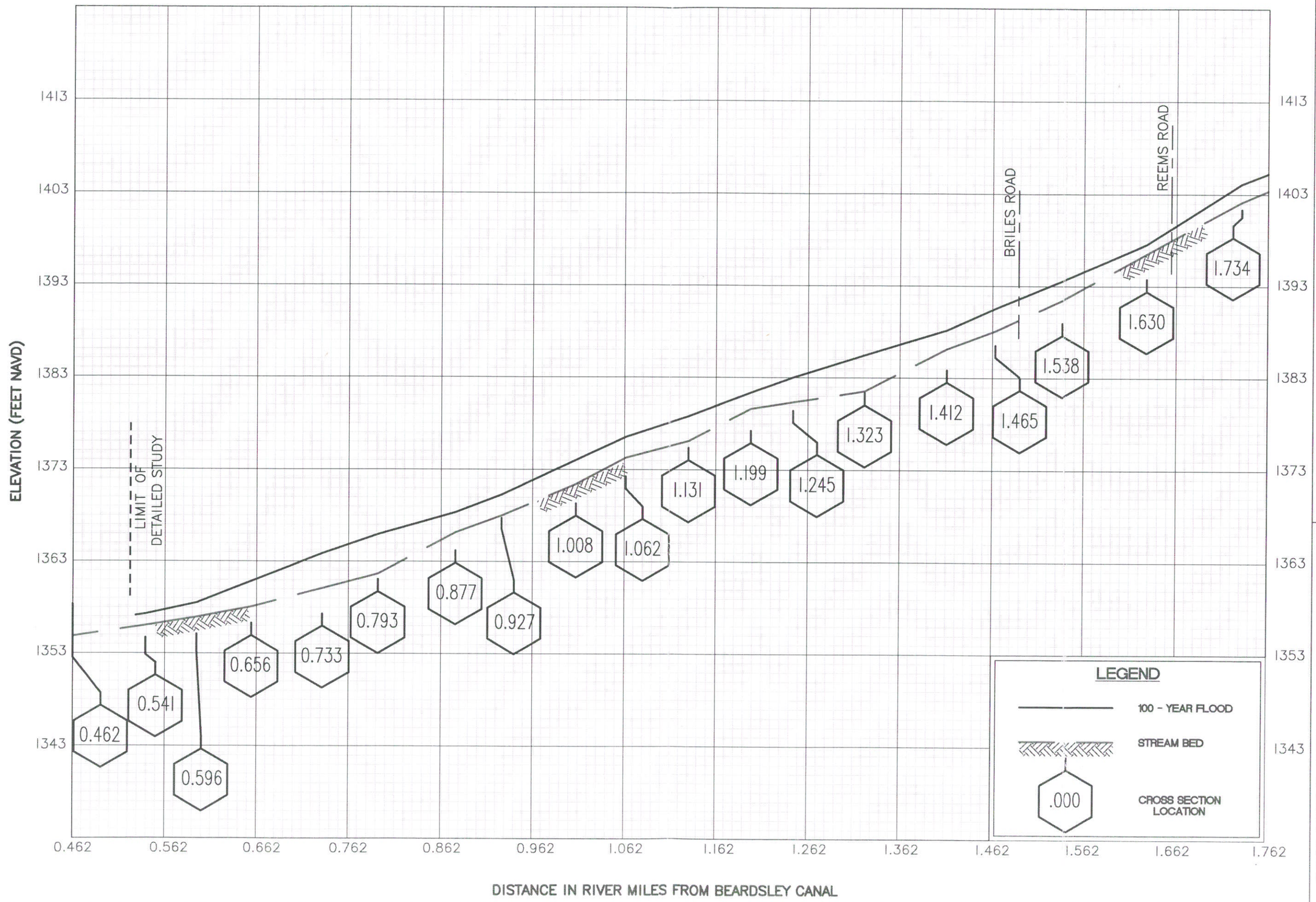


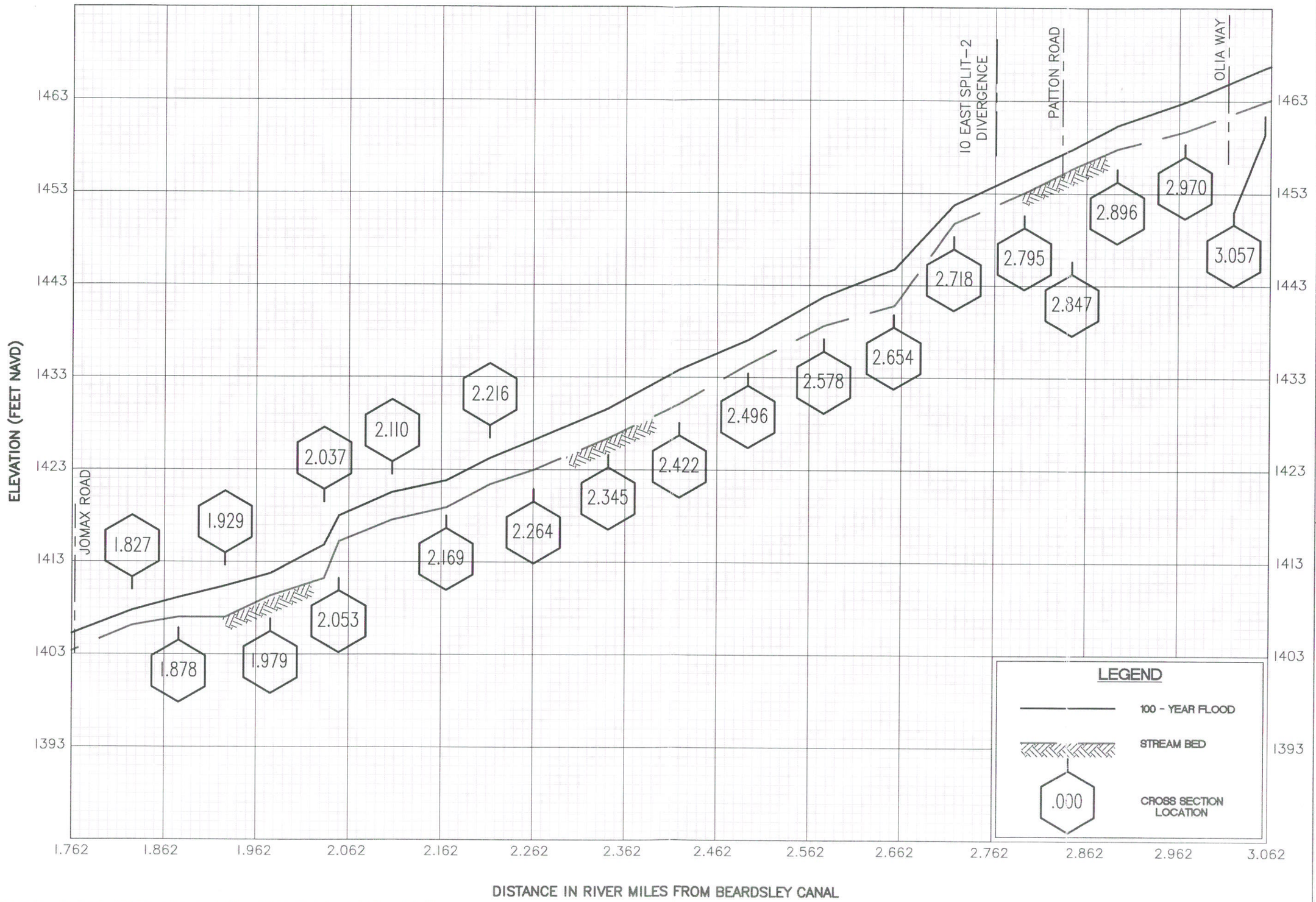
FLOOD PROFILES

10 EAST

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU
FLOOD DELINEATION STUDY

Profile_10 E...dwg
Date: 09-07-05



FLOOD PROFILES

10 EAST

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU
FLOOD DELINEATION STUDY

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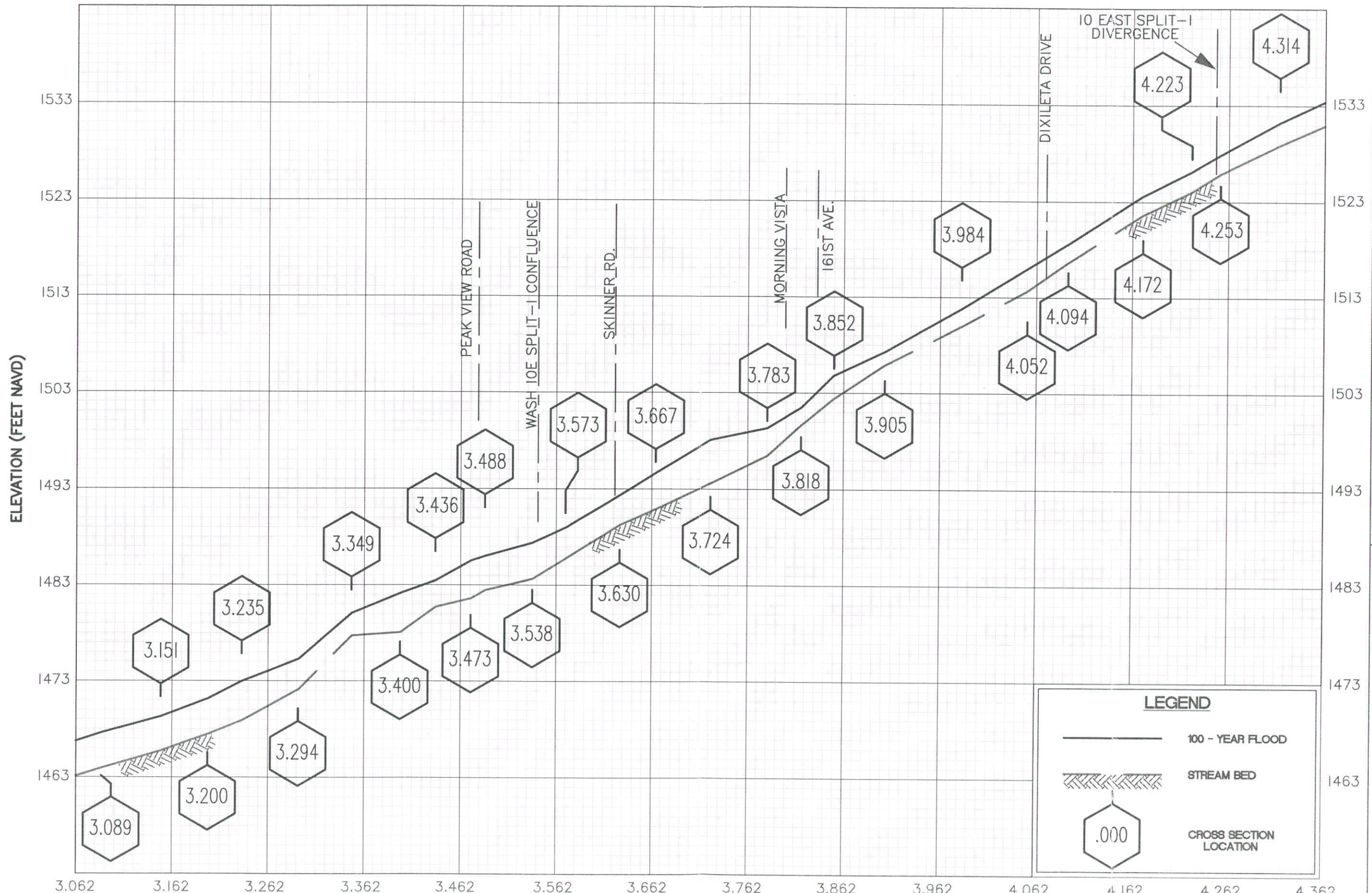
Date: 09-07-05



FLOOD PROFILES

10 EAST

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU
FLOOD DELINEATION STUDY

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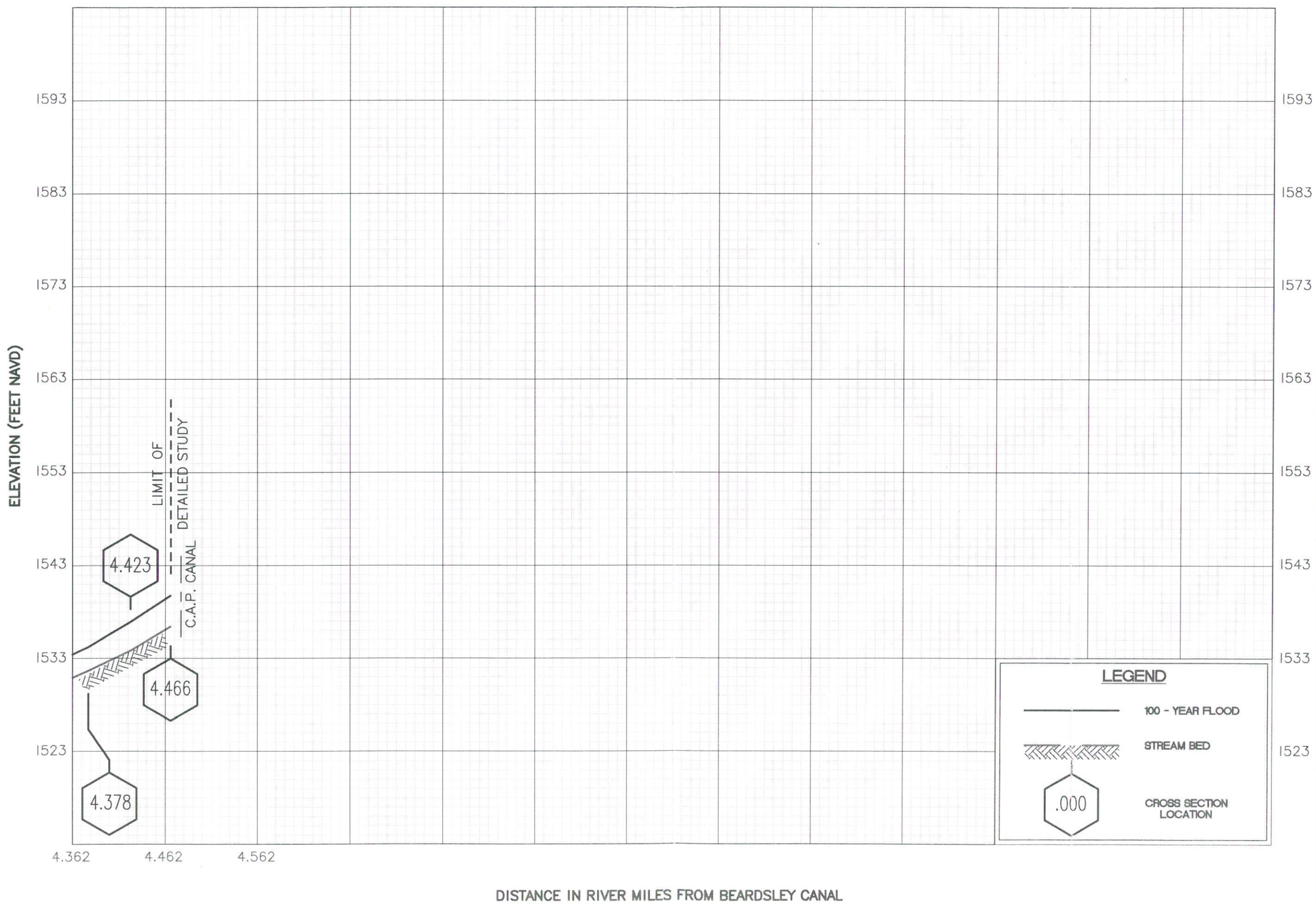
Date: 09-07-05



FLOOD PROFILES

10 EAST

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU
FLOOD DELINEATION STUDY

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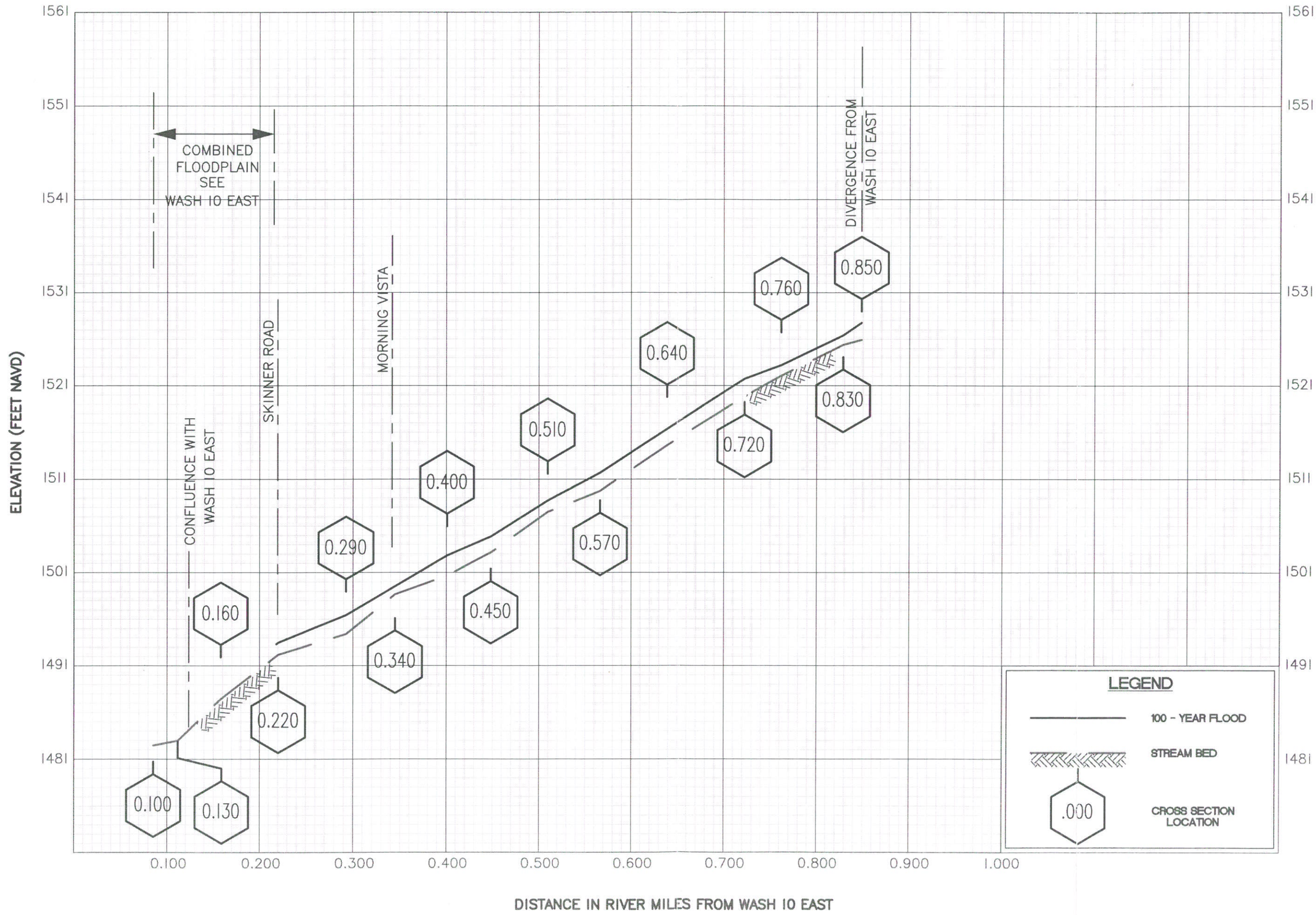


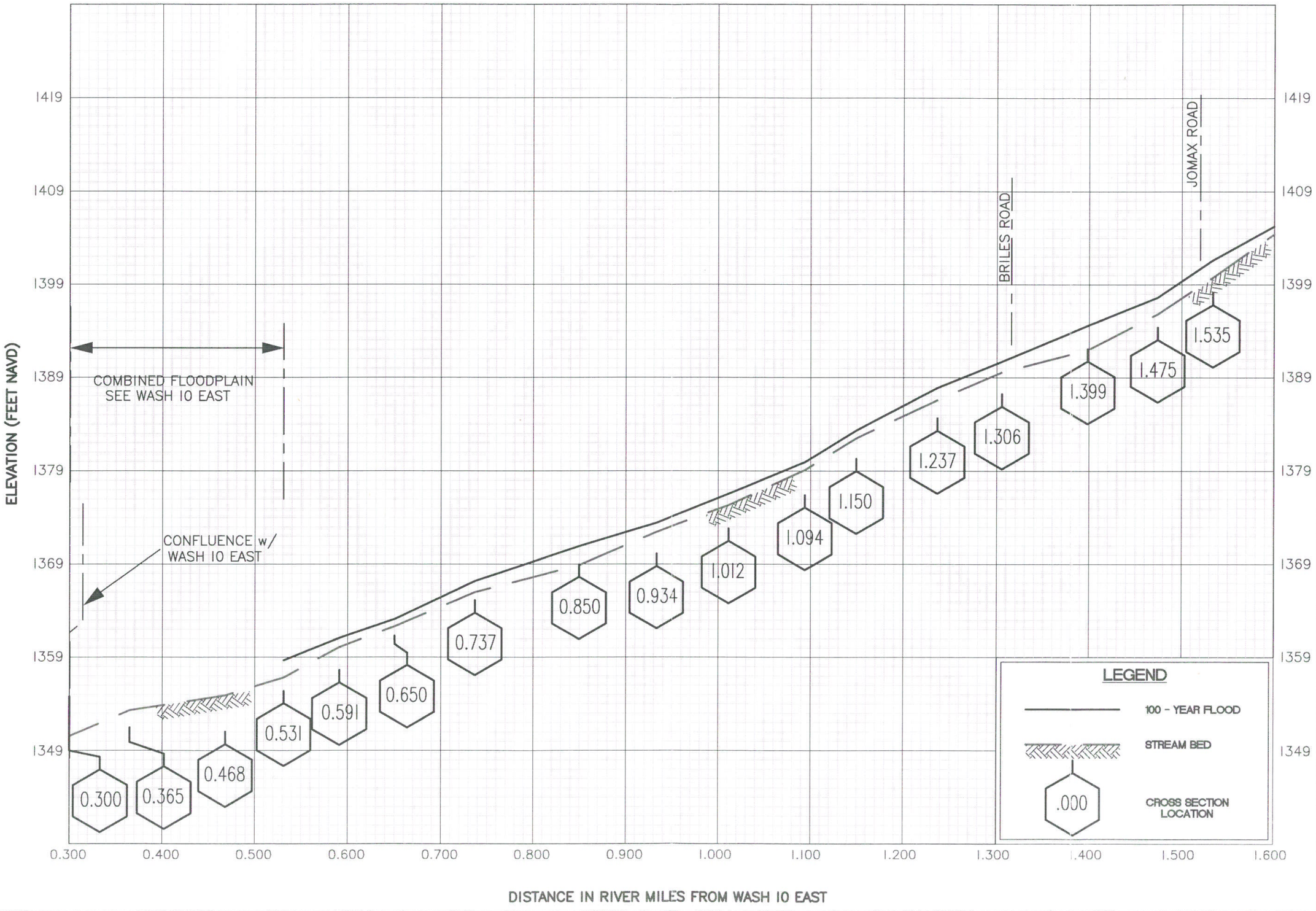
FLOOD PROFILES

10 EAST (East Split-1)

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU
FLOOD DELINEATION STUDY

Profile_10E-E... Split-1.dwg
Date: 06-30-2005



FLOOD PROFILES

10 EAST (East Split-2)

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU
FLOOD DELINEATION STUDY

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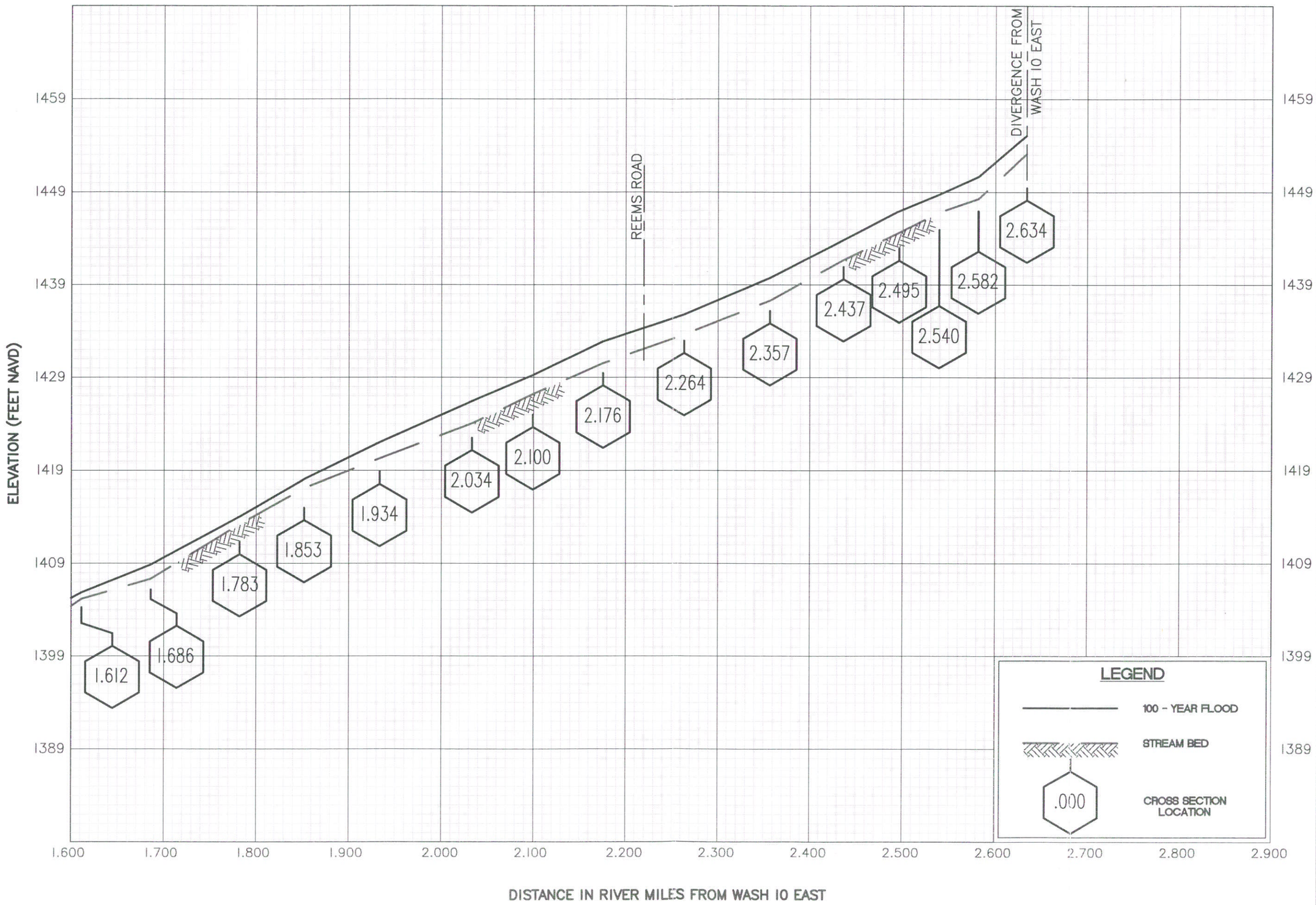
Date: 06-30-2005



FLOOD PROFILES

10 EAST (East Split-2)

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU
FLOOD DELINEATION STUDY

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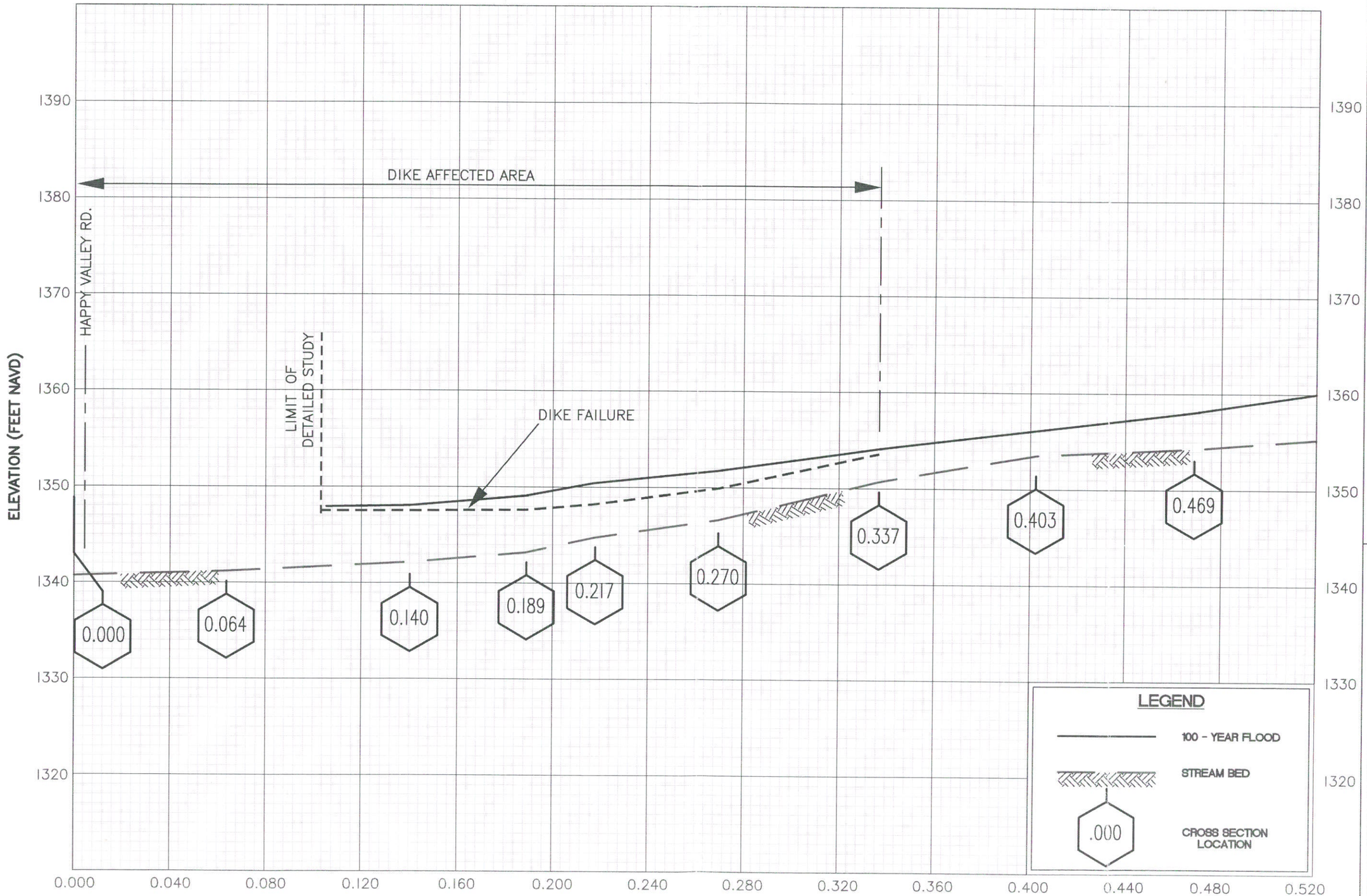


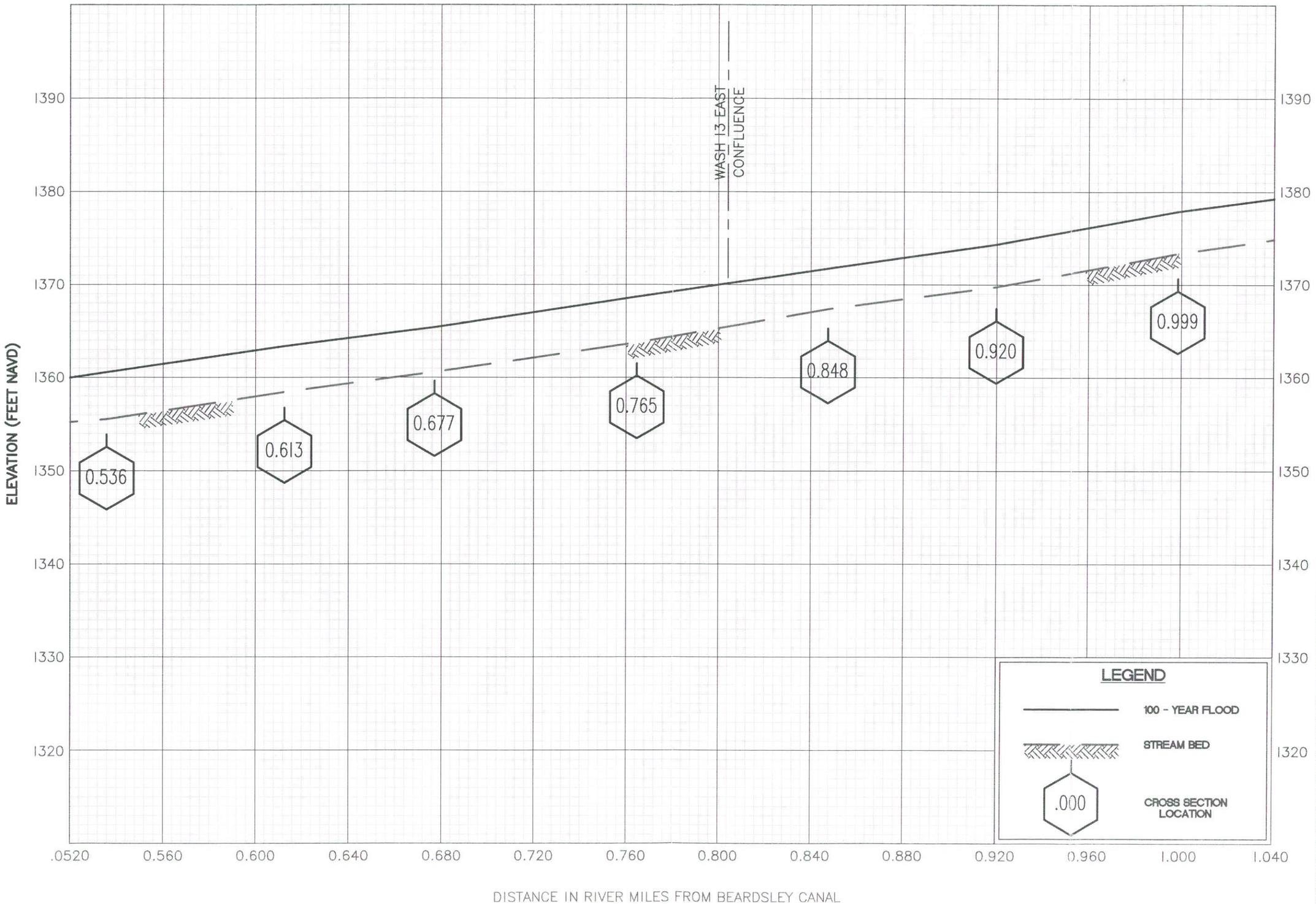
FLOOD PROFILES

11 EAST (PADELFORD WASH)

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU
FLOOD DELINEATION STUDY

Profile_11E.dwg
Date: 06-30-2005



FLOOD PROFILES

11 EAST (PADELFORD WASH)

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU
FLOOD DELINEATION STUDY

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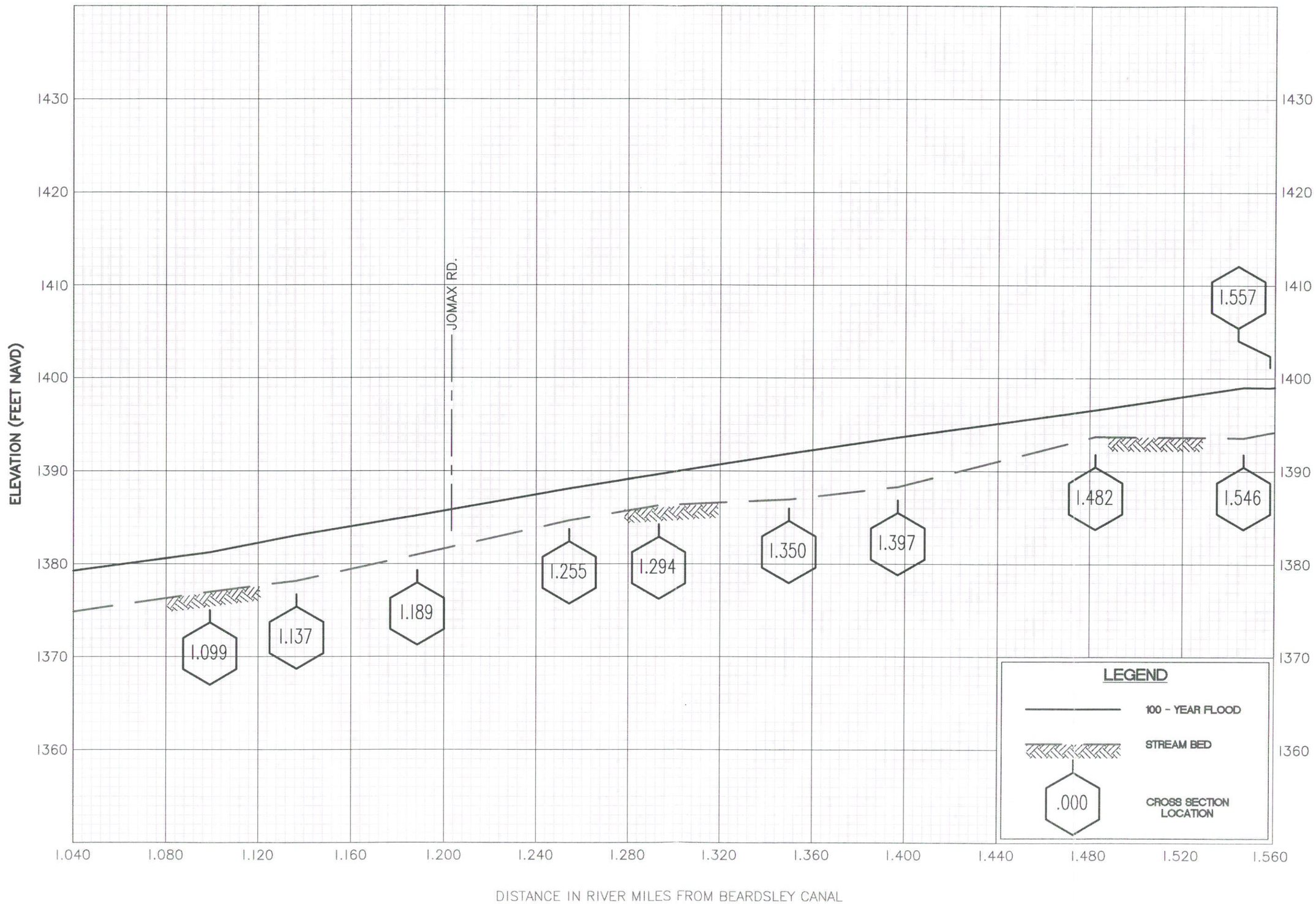

FLOOD PROFILES

11 EAST (PADELFORD WASH)

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU
FLOOD DELINEATION STUDY

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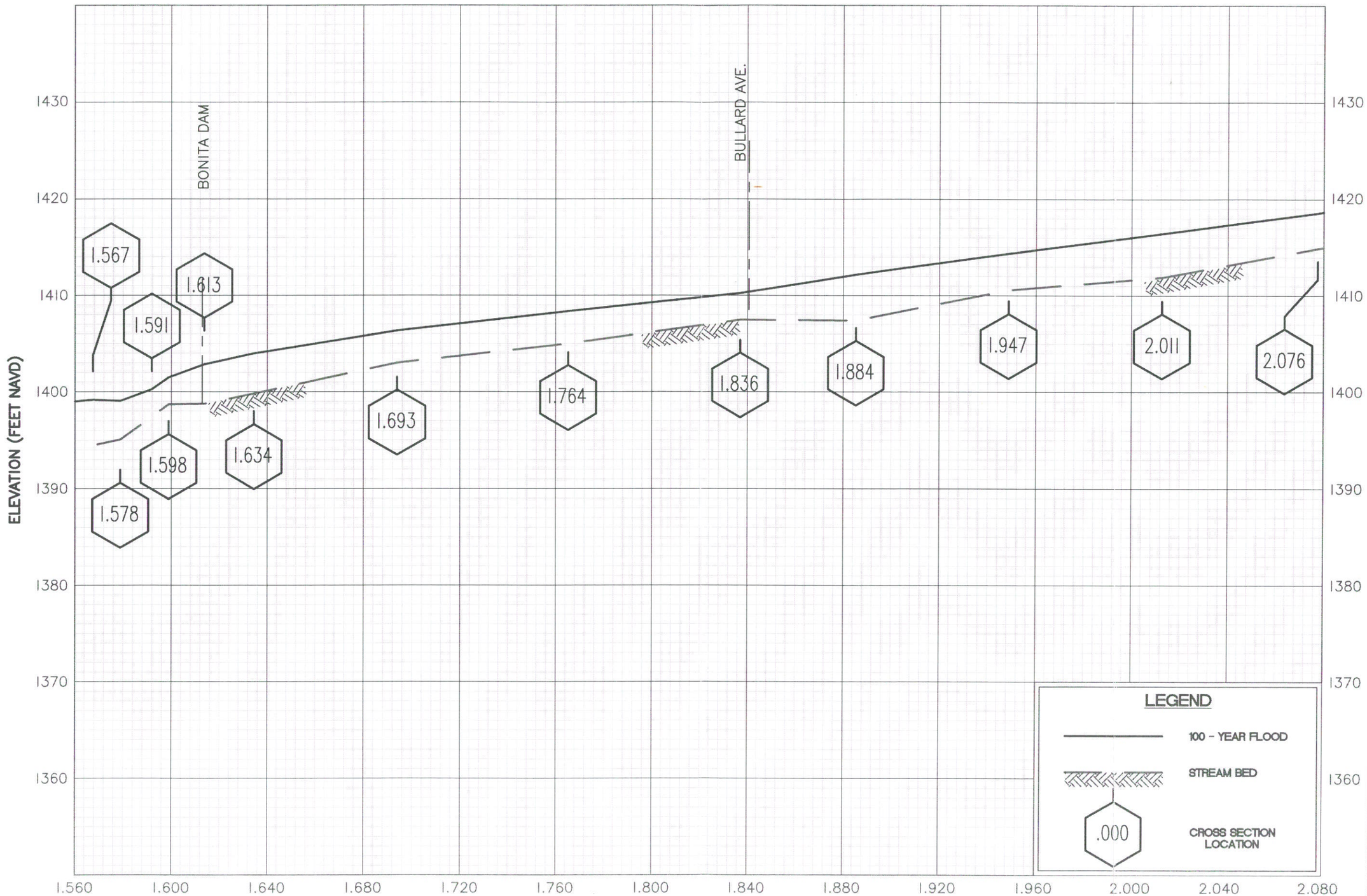


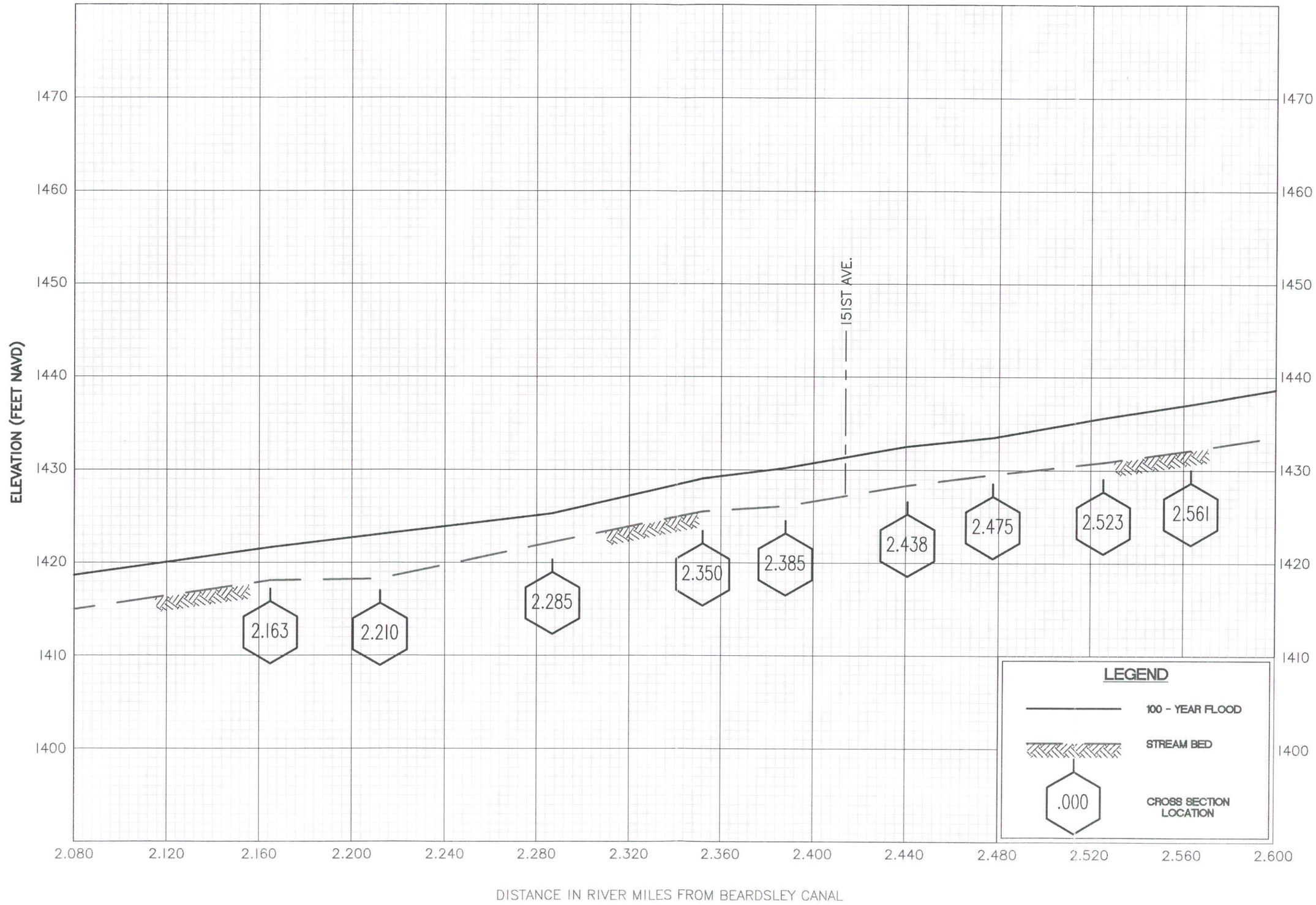
FLOOD PROFILES

11 EAST (PADELFORD WASH)

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU
FLOOD DELINEATION STUDY

Profile_11E.dwg
Date: 06-30-2005



FLOOD PROFILES

11 EAST (PADELFORD WASH)

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU
FLOOD DELINEATION STUDY

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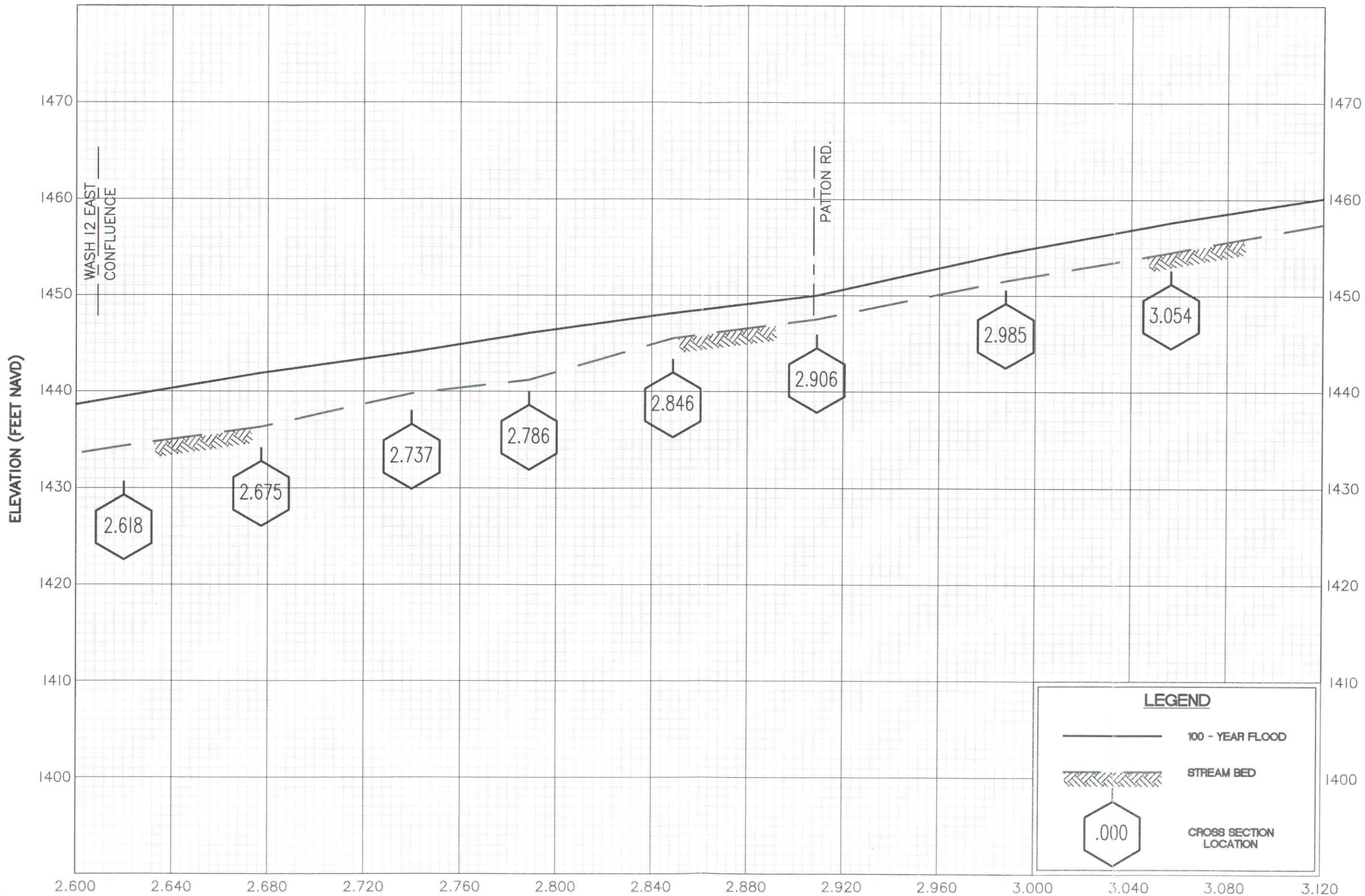
Date: 06-30-2005



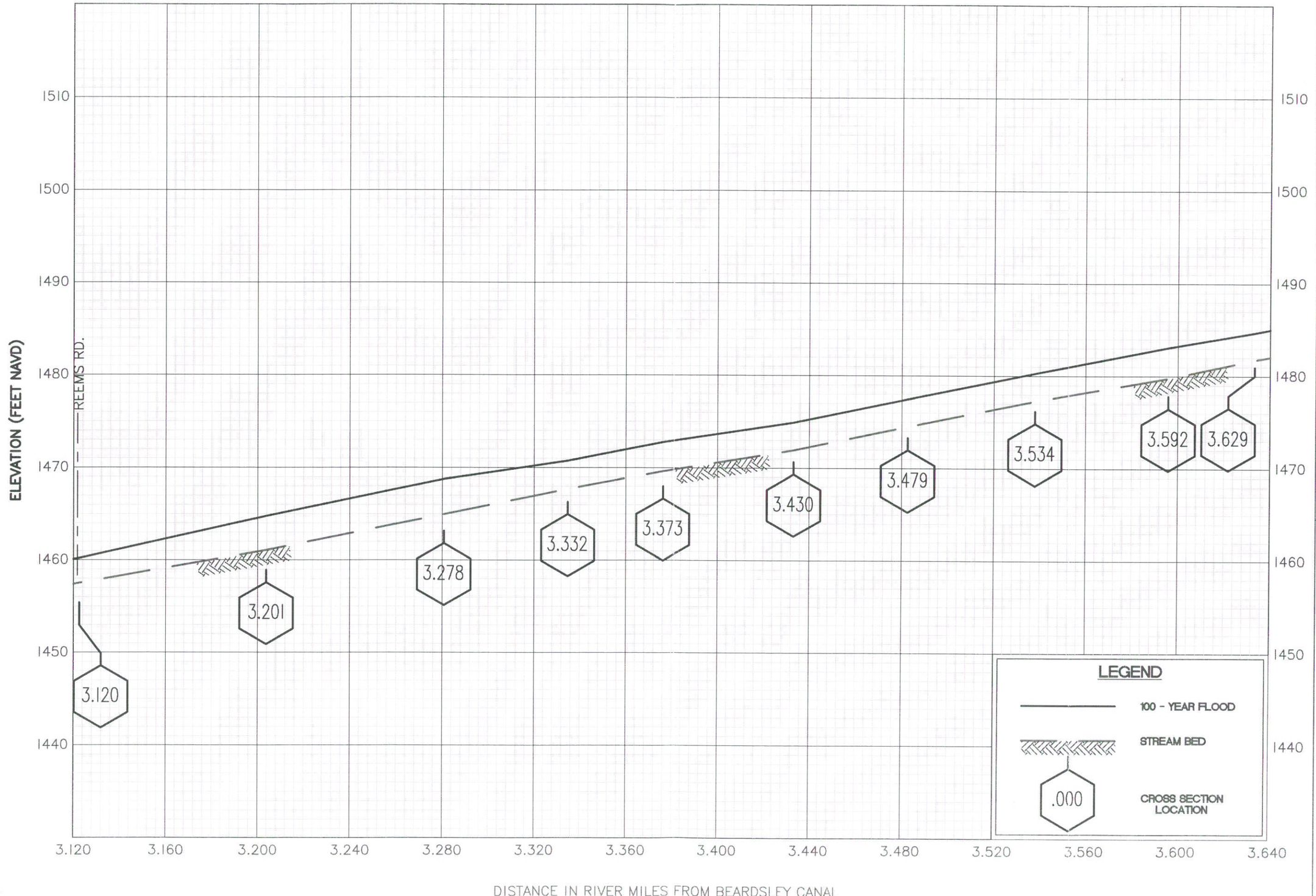
FLOOD PROFILES

11 EAST (PADELFORD WASH)

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU
FLOOD DELINEATION STUDY

Profile_11E.dwg
Date: 06-30-2005



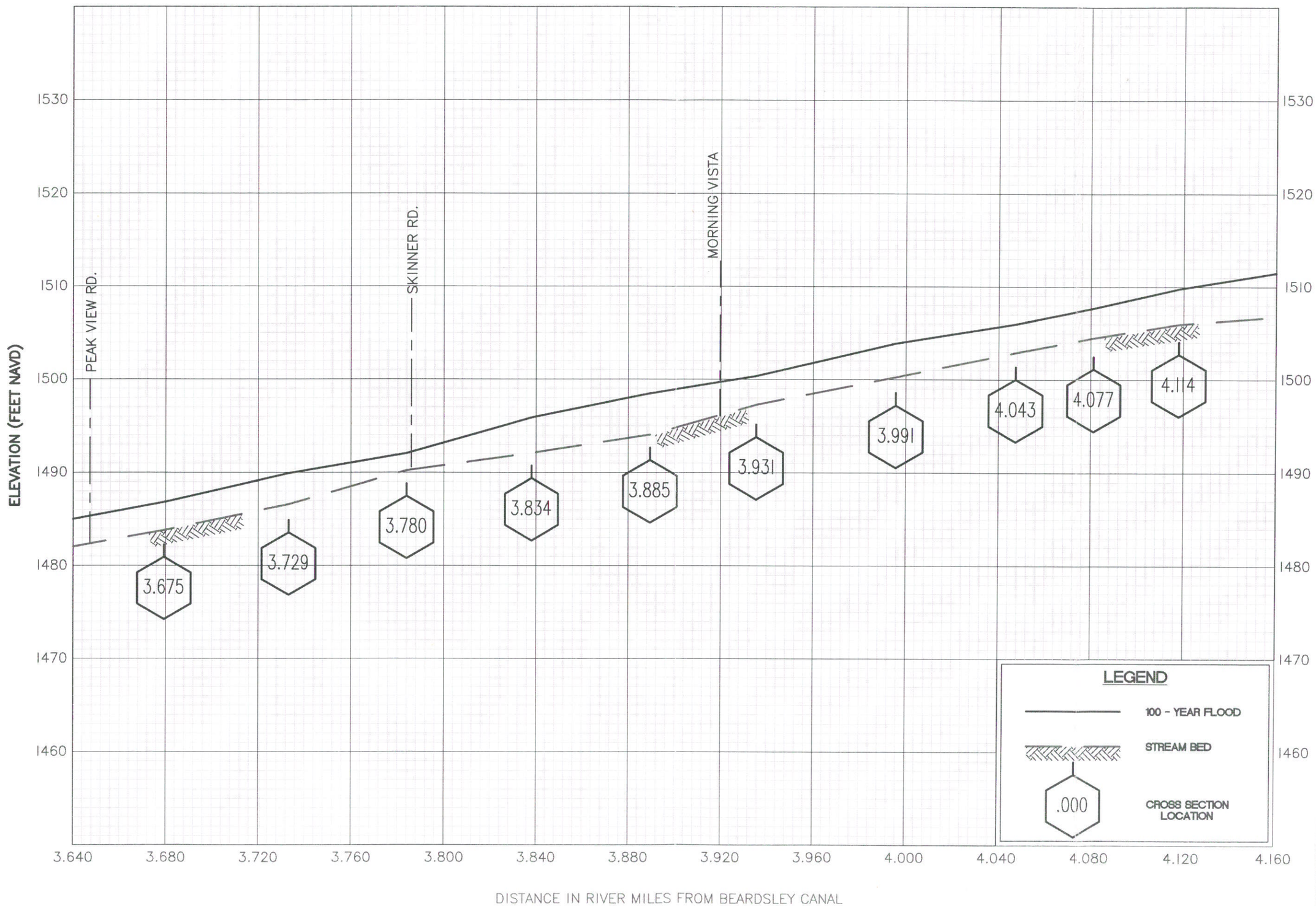
FLOOD PROFILES

11 EAST (PADELFORD WASH)

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU
FLOOD DELINEATION STUDY

Profile_11E.dwg
Date: 06-30-2005



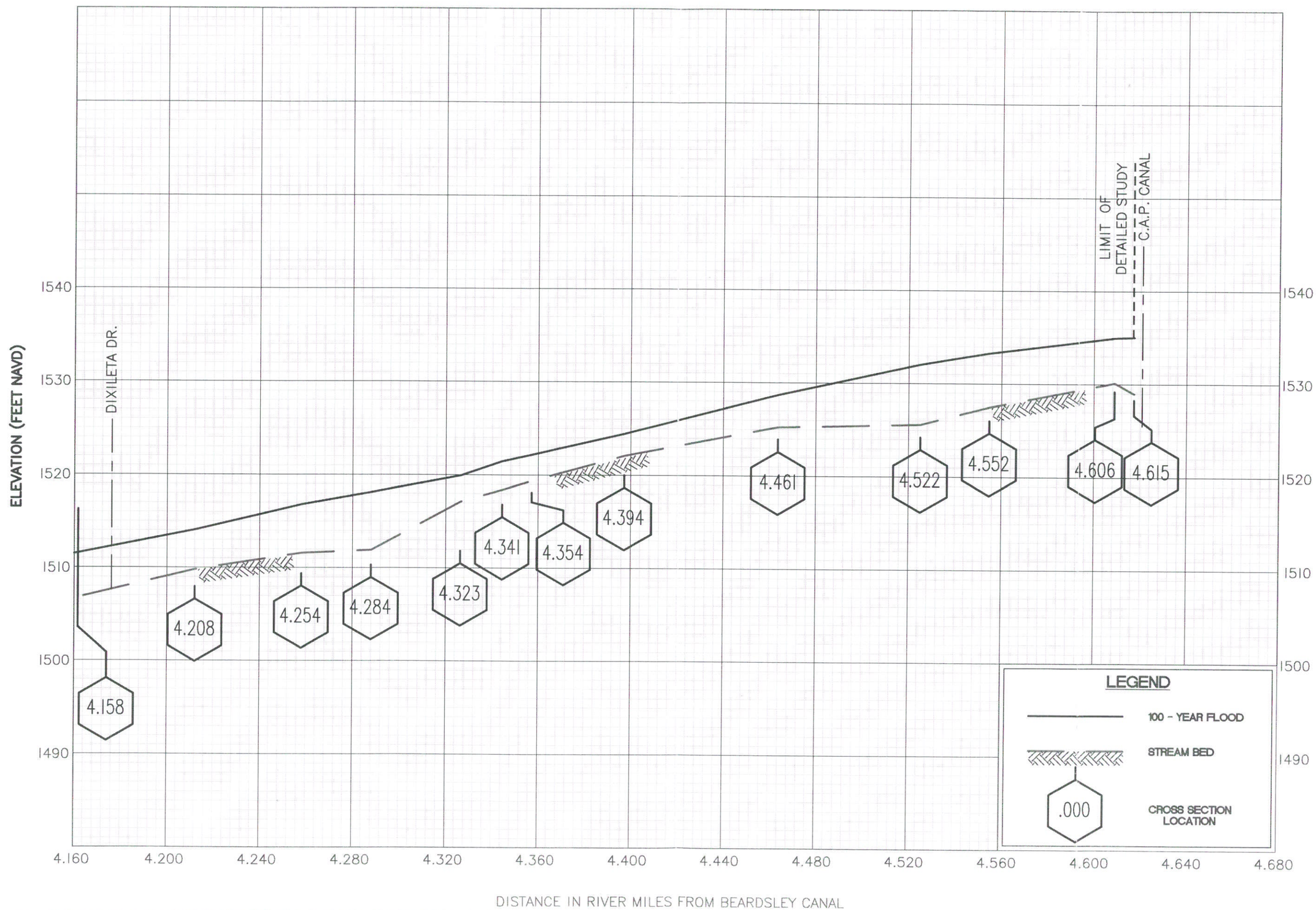
FLOOD PROFILES

11 EAST (PADELFORD WASH)

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU
FLOOD DELINEATION STUDY

Profile_11E.dwg
Date: 06-30-2005



FLOOD PROFILES

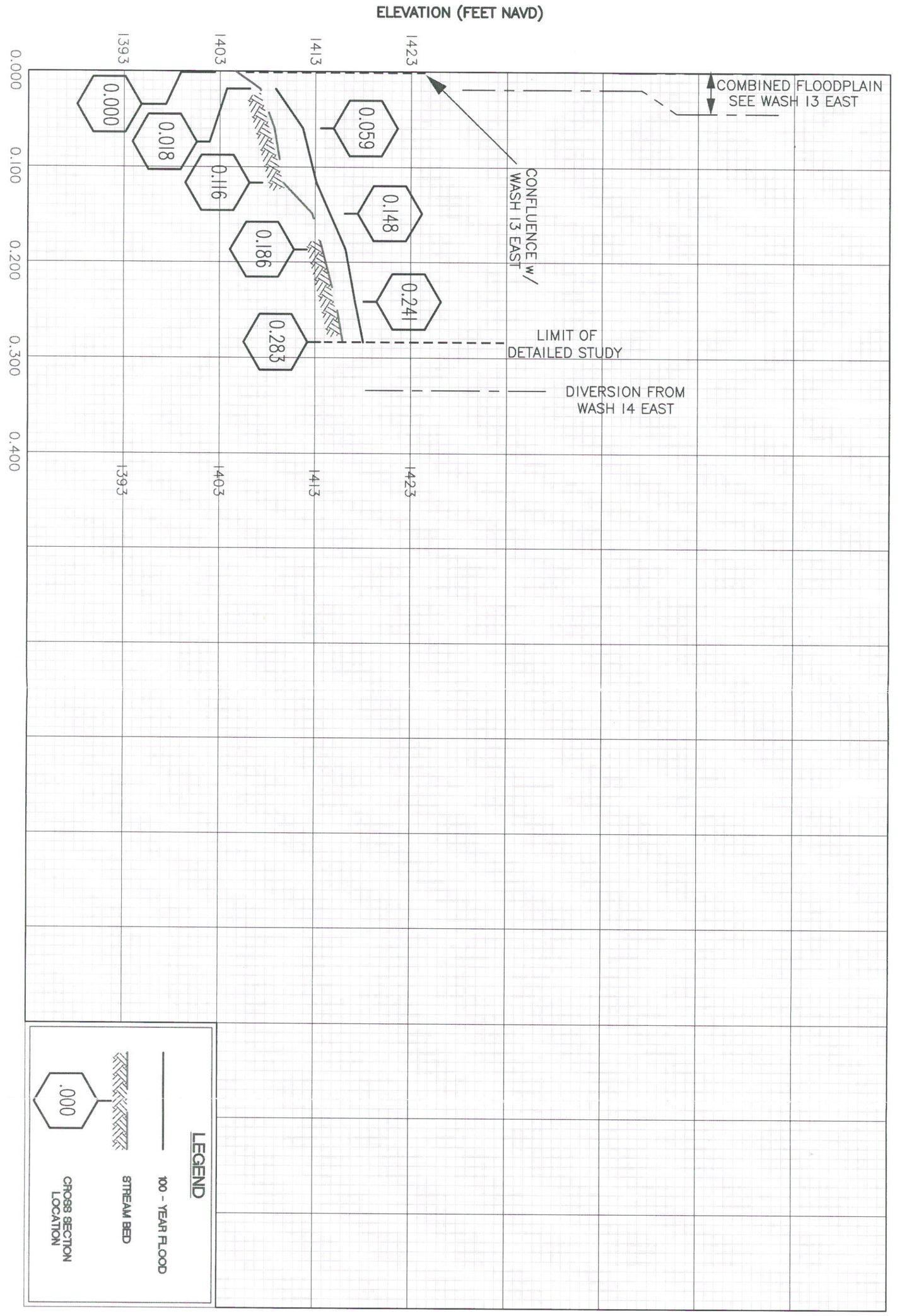
11 EAST (PADELFORD WASH)

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU

FLOOD DELINEATION STUDY

Profile_11E.dwg
Date: 06-30-2005



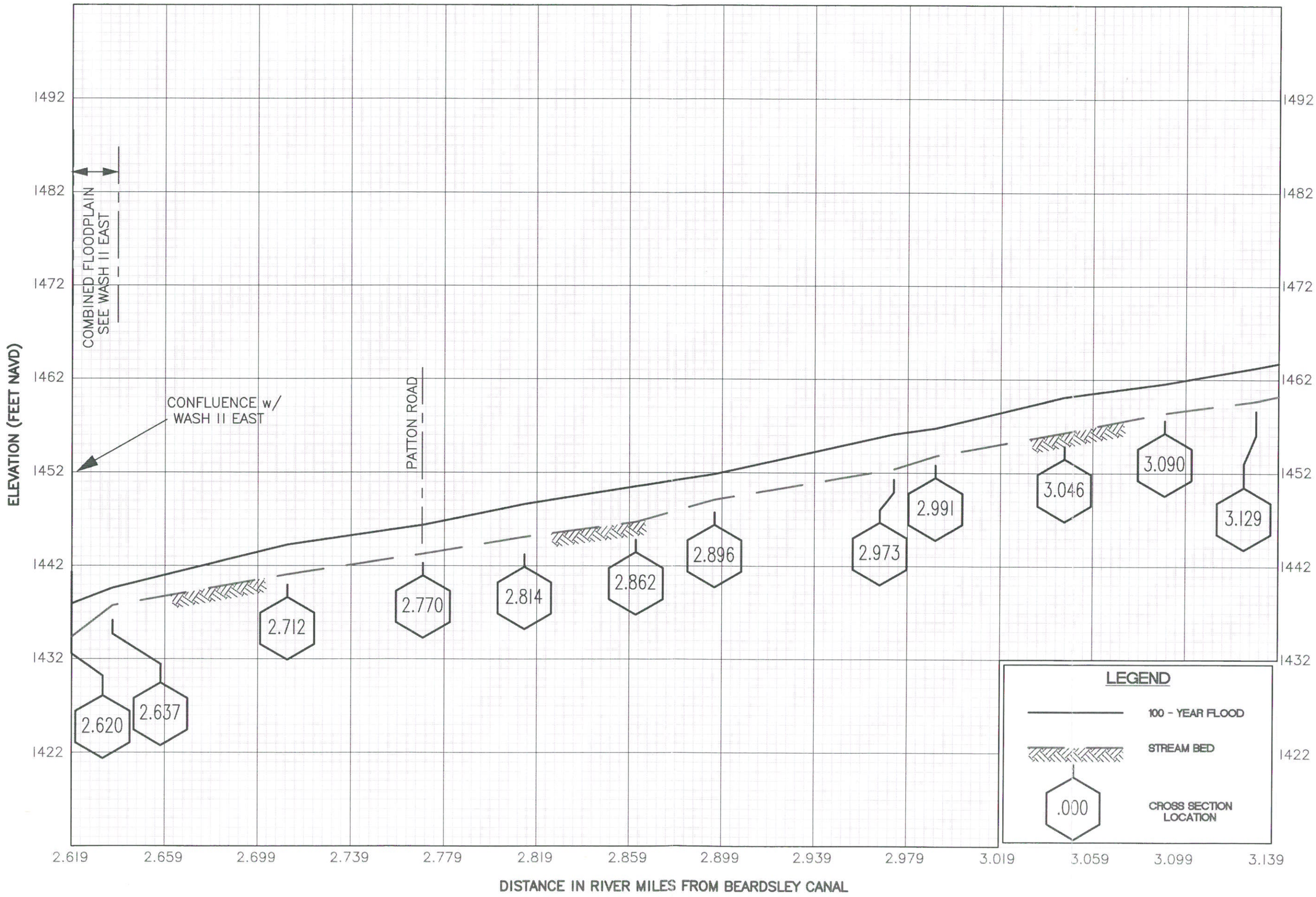
FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU

FLOOD DELINEATION STUDY

FLOOD PROFILES

BONITA DIKE CHANNEL



FLOOD PROFILES

WASH 12 EAST

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU
FLOOD DELINEATION STUDY

Profile_12E.dwg
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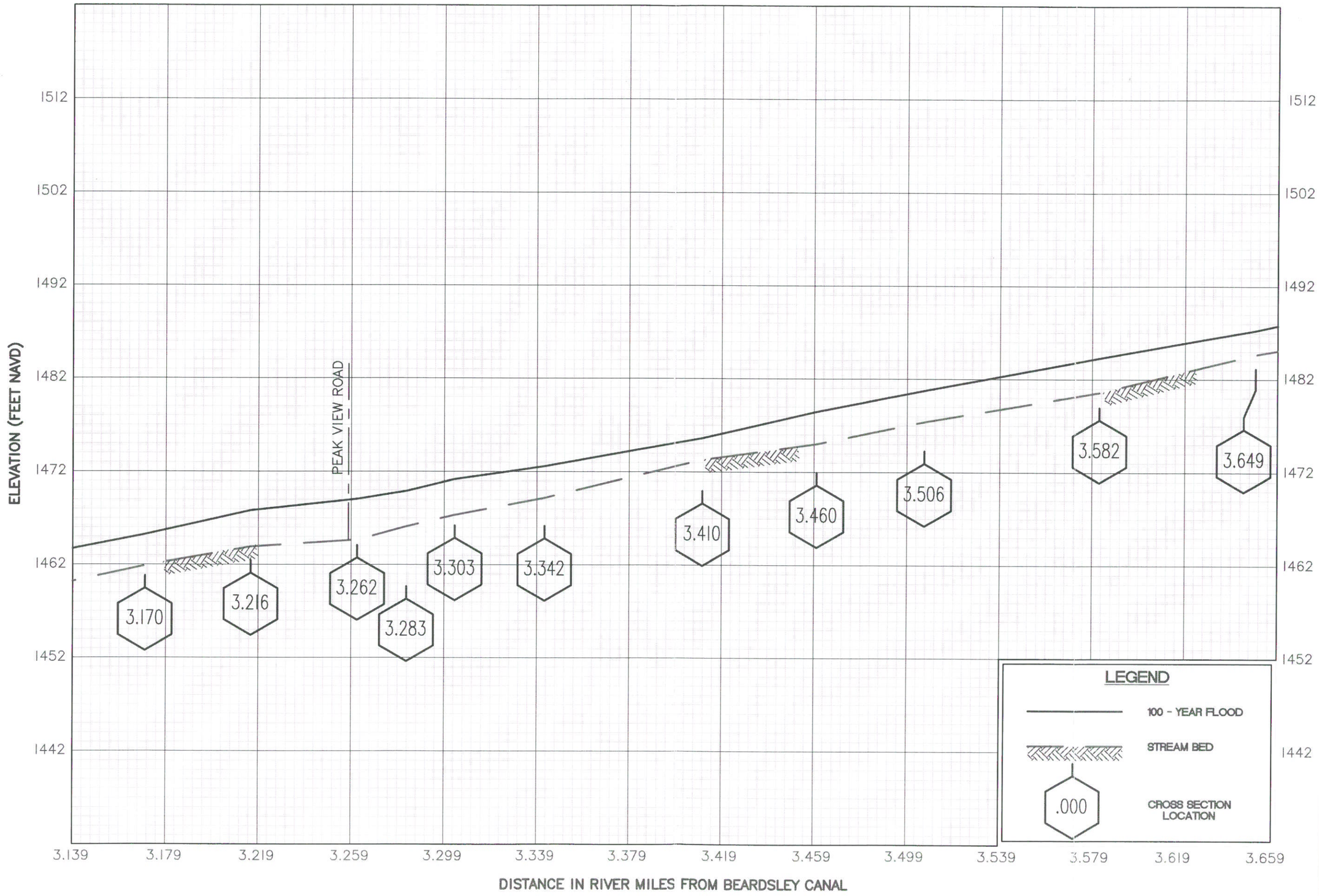

FLOOD PROFILES

WASH 12 EAST

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU
FLOOD DELINEATION STUDY

Profile_12E.dwg,
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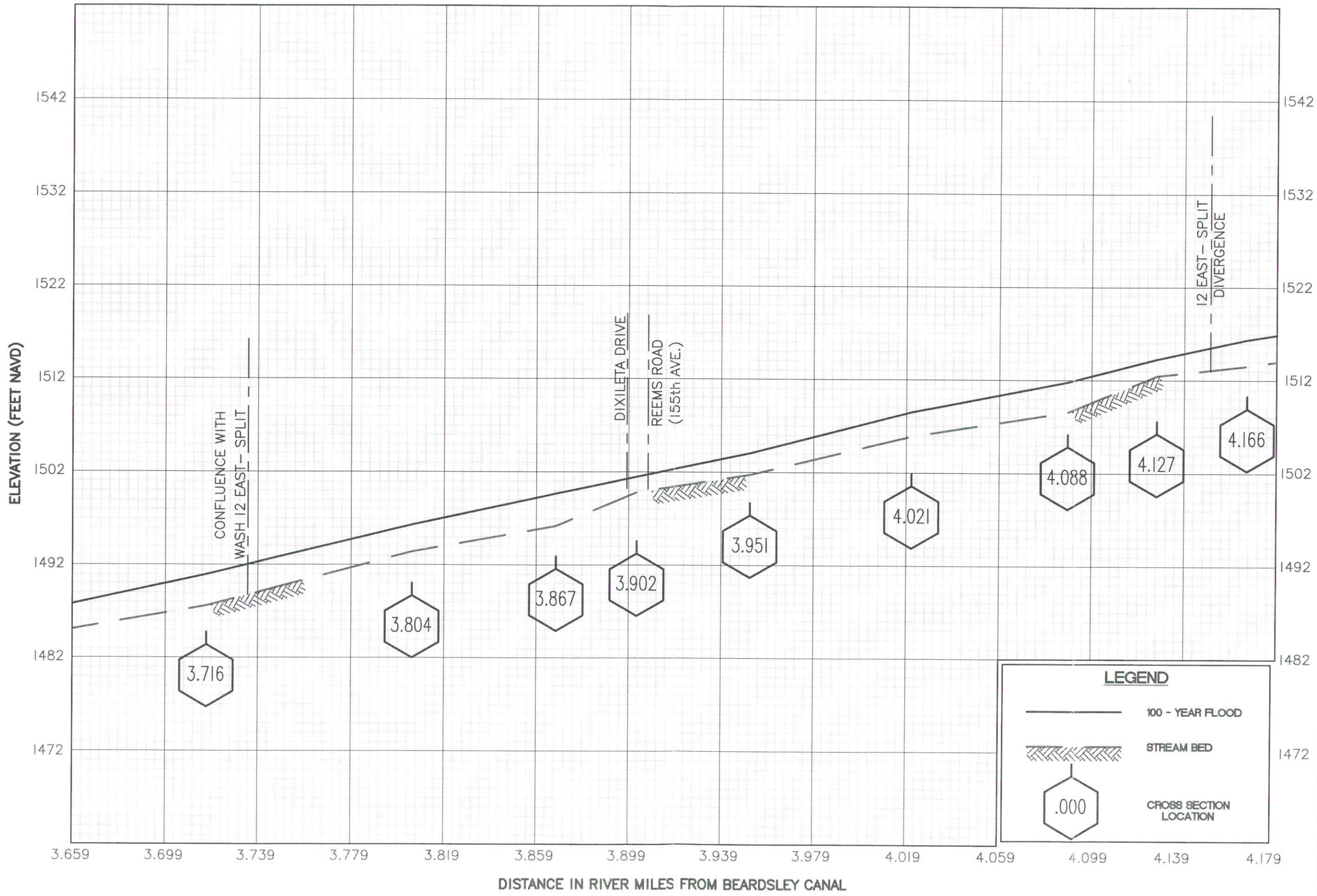

FLOOD PROFILES

WASH 12 EAST

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU
FLOOD DELINEATION STUDY

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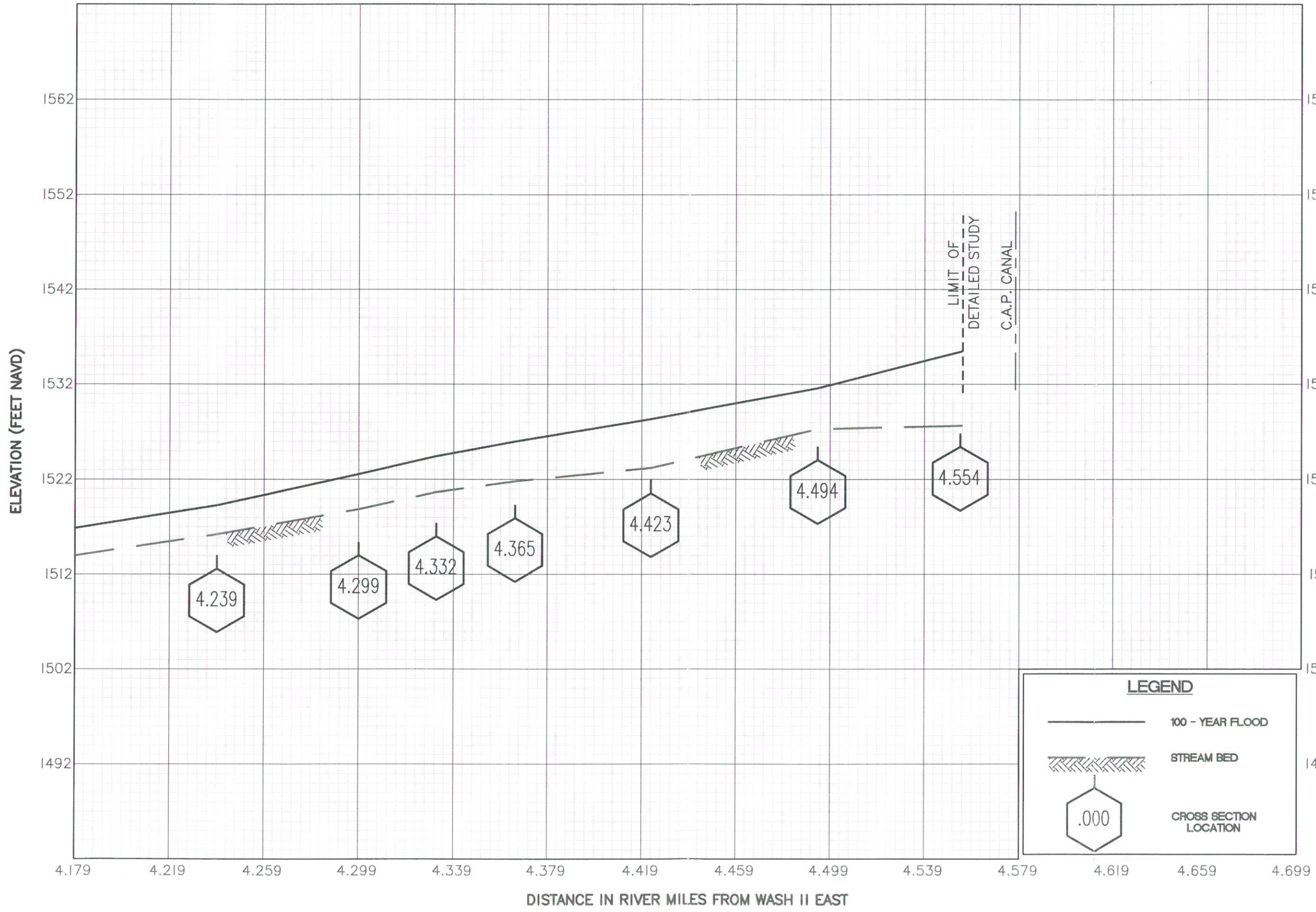

FLOOD PROFILES

WASH 12 EAST

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU
FLOOD DELINEATION STUDY

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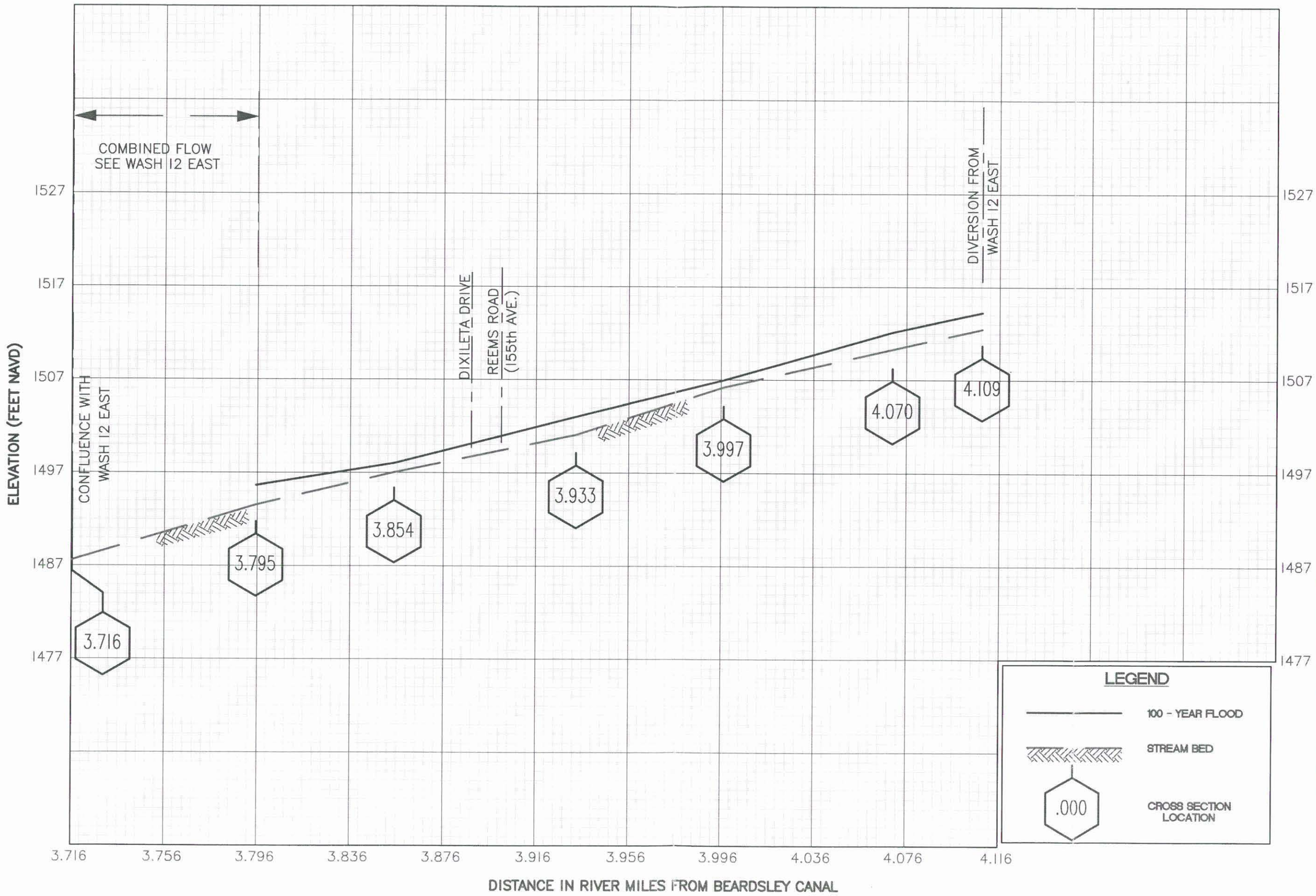


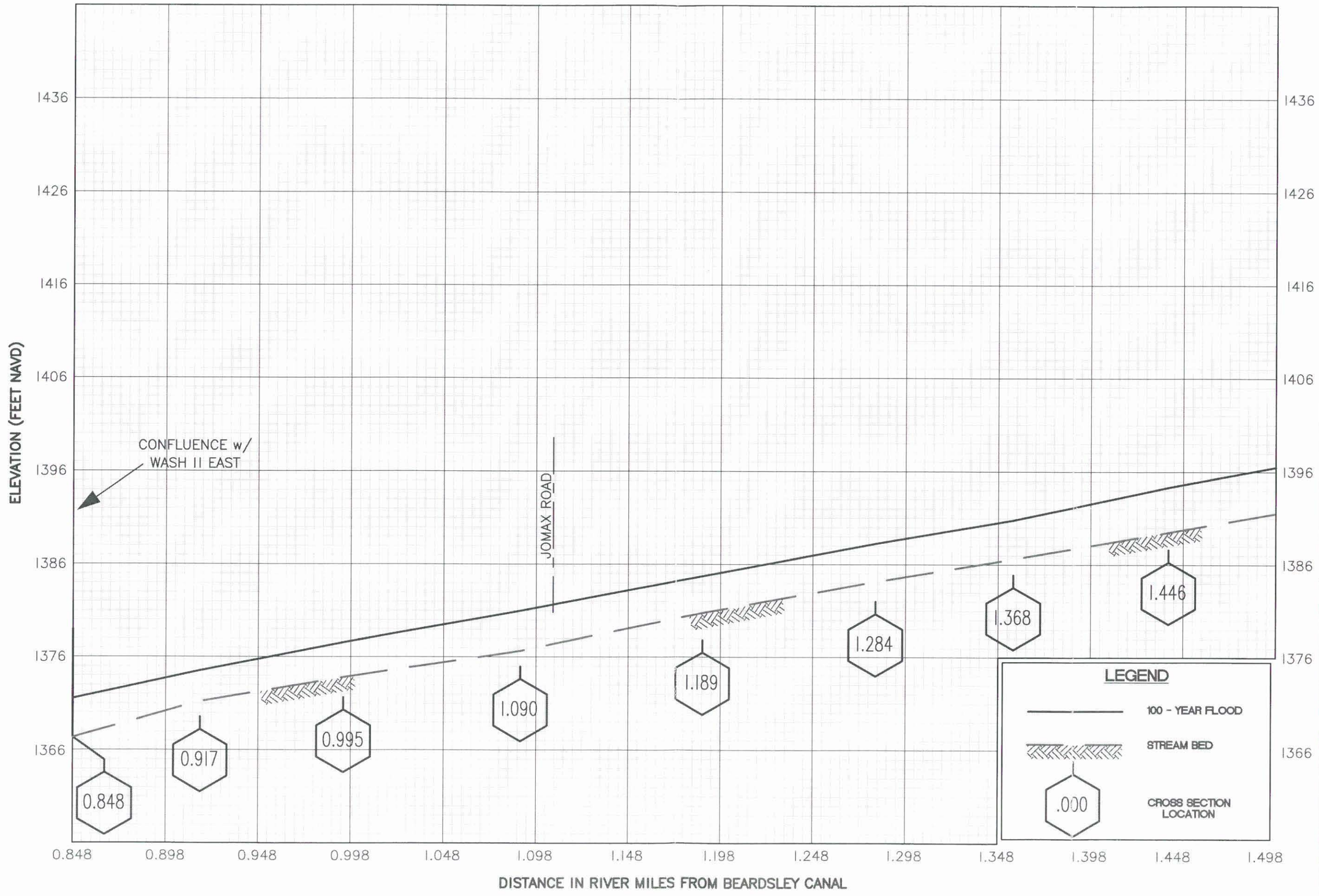
FLOOD PROFILES

WASH 12 EAST - SPLIT

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU
FLOOD DELINEATION STUDY

Profile_12E-St_.dwg
Date: 01-13-2005



FLOOD PROFILES

WASH 13 EAST

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU
FLOOD DELINEATION STUDY

Profile_13E.dwg
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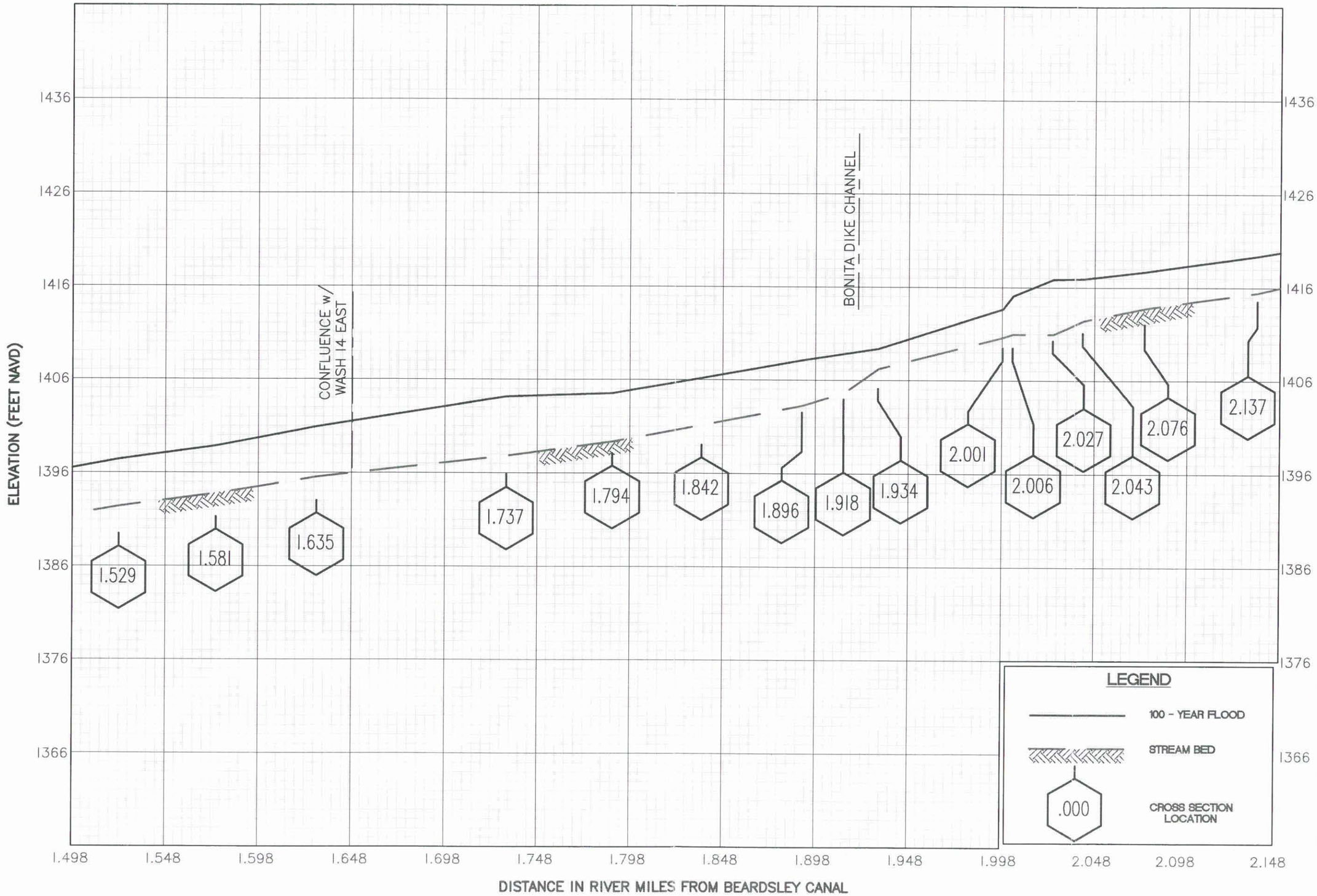

FLOOD PROFILES

WASH 13 EAST

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU

FLOOD DELINEATION STUDY

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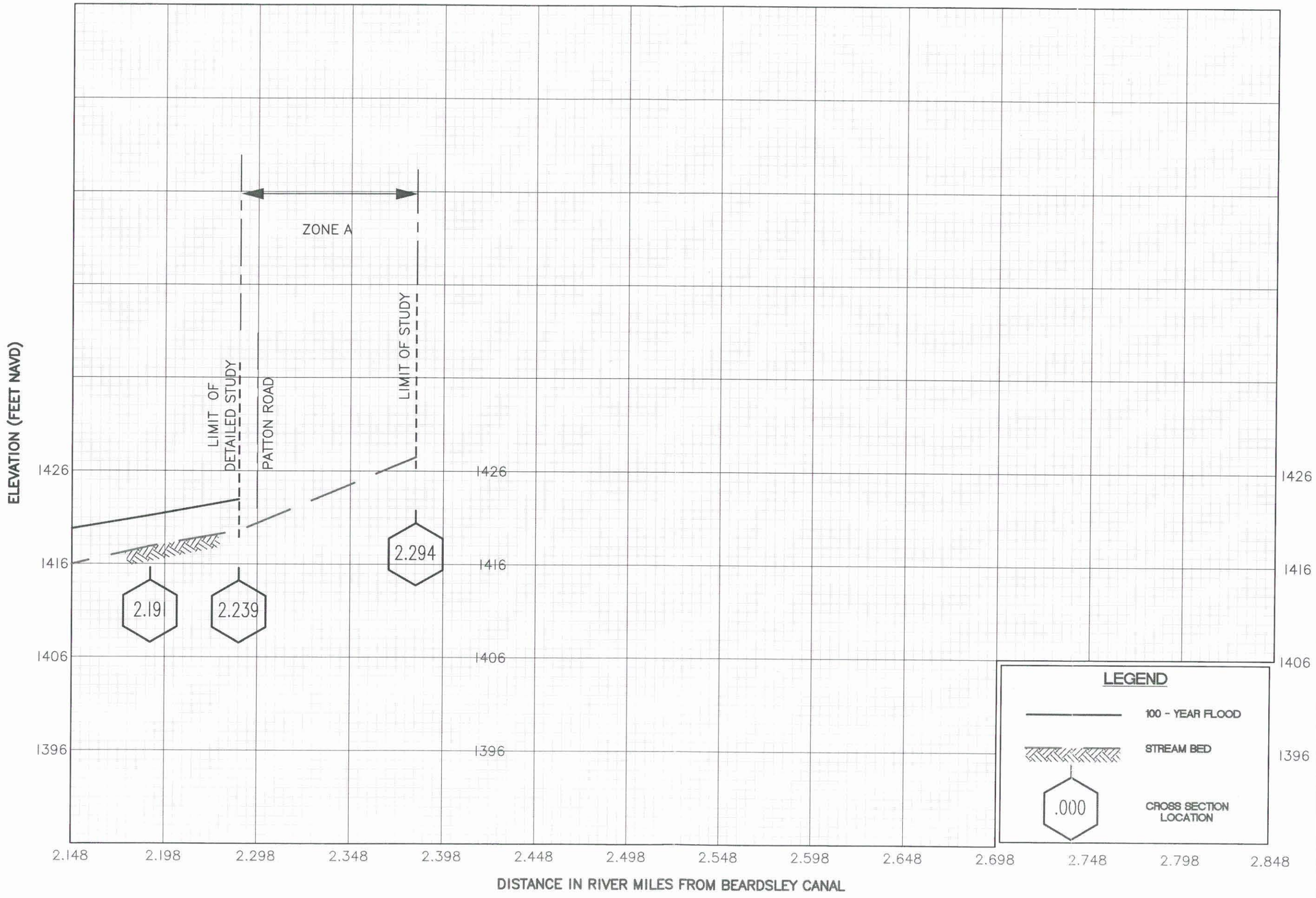

FLOOD PROFILES

WASH 13 EAST

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU
FLOOD DELINEATION STUDY

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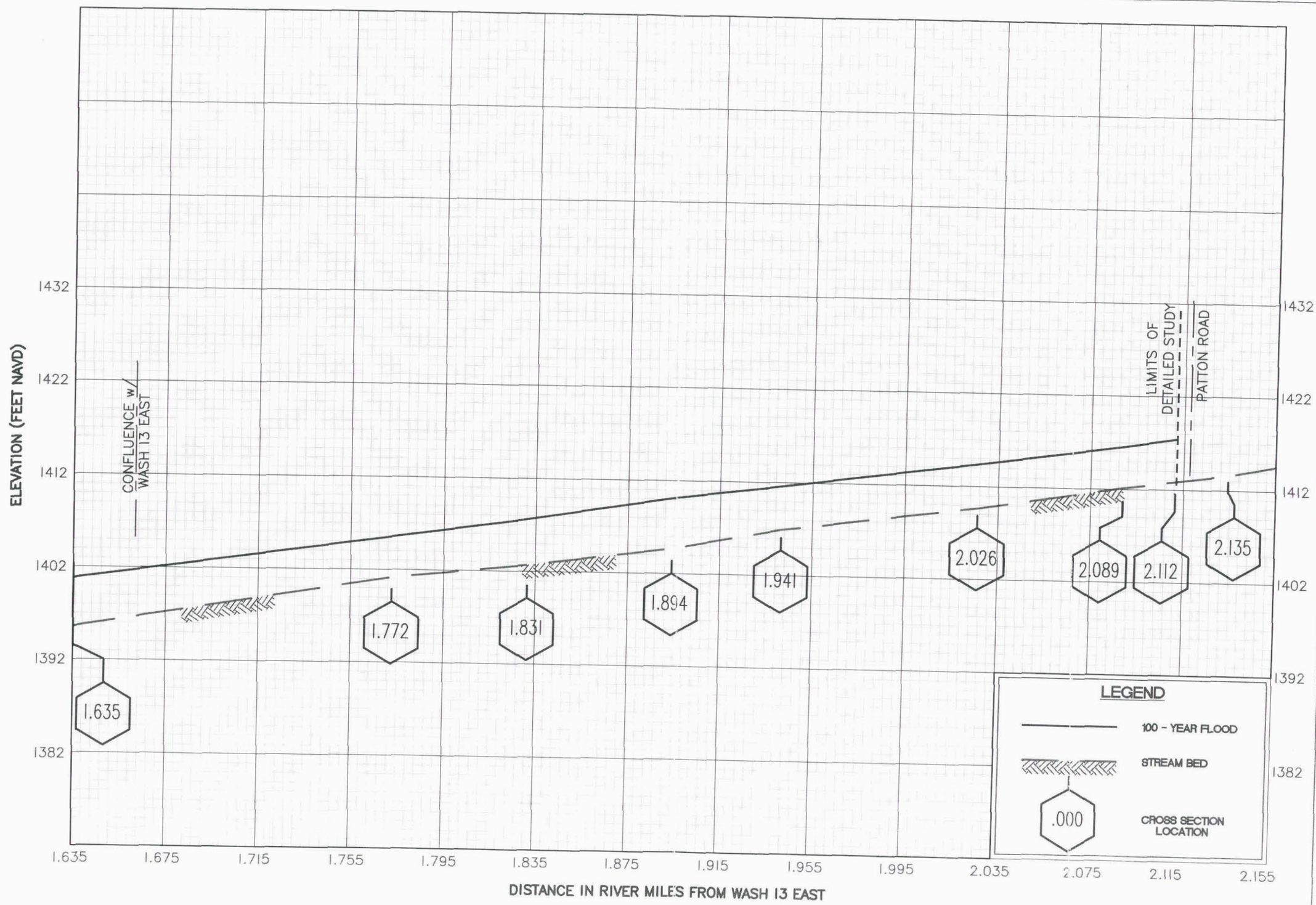


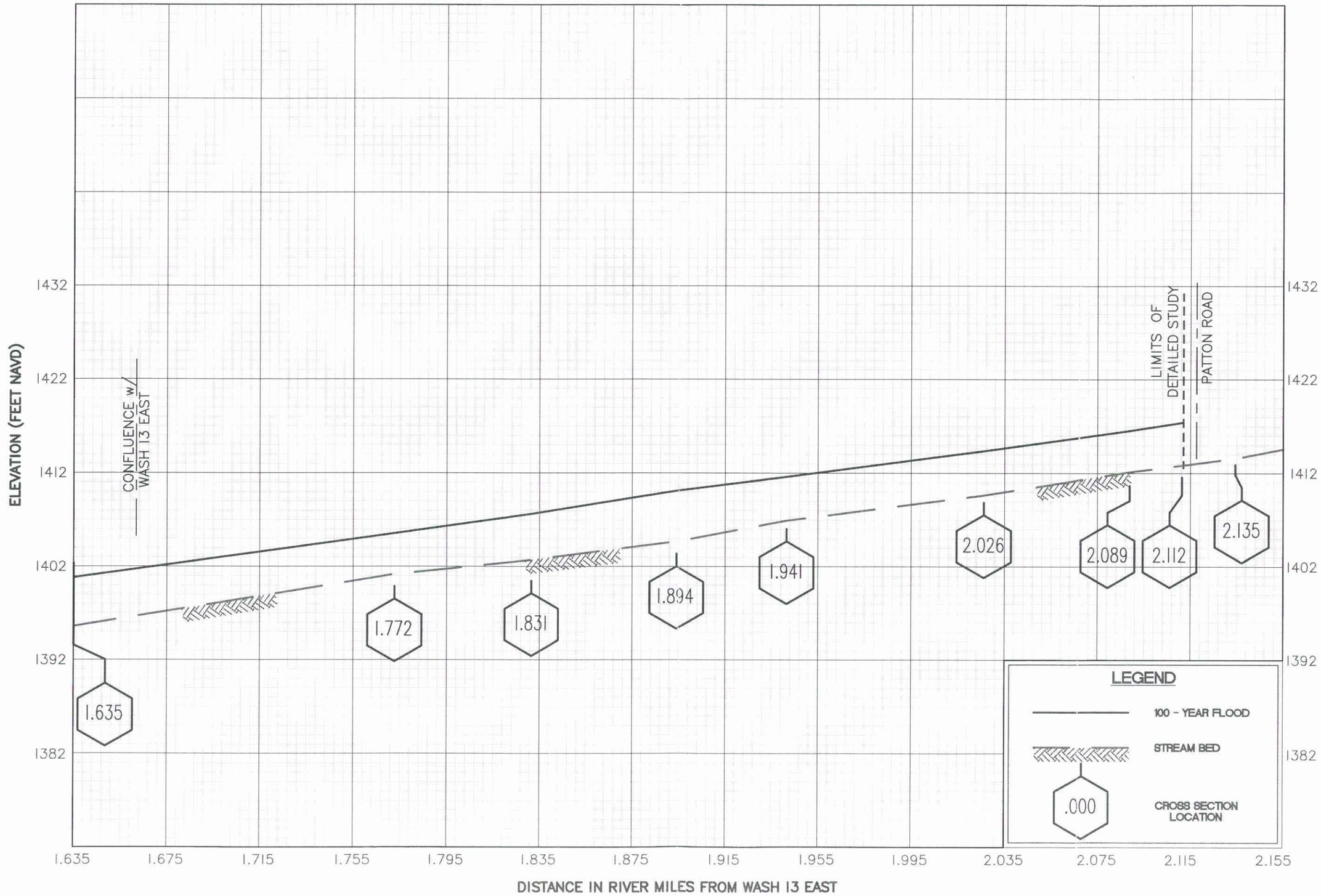
FLOOD PROFILES

WASH 14 EAST

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU
FLOOD DELINEATION STUDY

Profile_14E.dwg
Date: 07-13-2005



FLOOD PROFILES

WASH 14 EAST

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WITTMANN ADMSU
FLOOD DELINEATION STUDY

Profile_14E.dwg
Date: 07-13-2005