

**FLOOD CONTROL DISTRICT
OF MARICOPA COUNTY**
HARQUAHALA
FRS & DIVERSION CHANNEL
F.C.D. CONTRACT NO. FCD 93-51

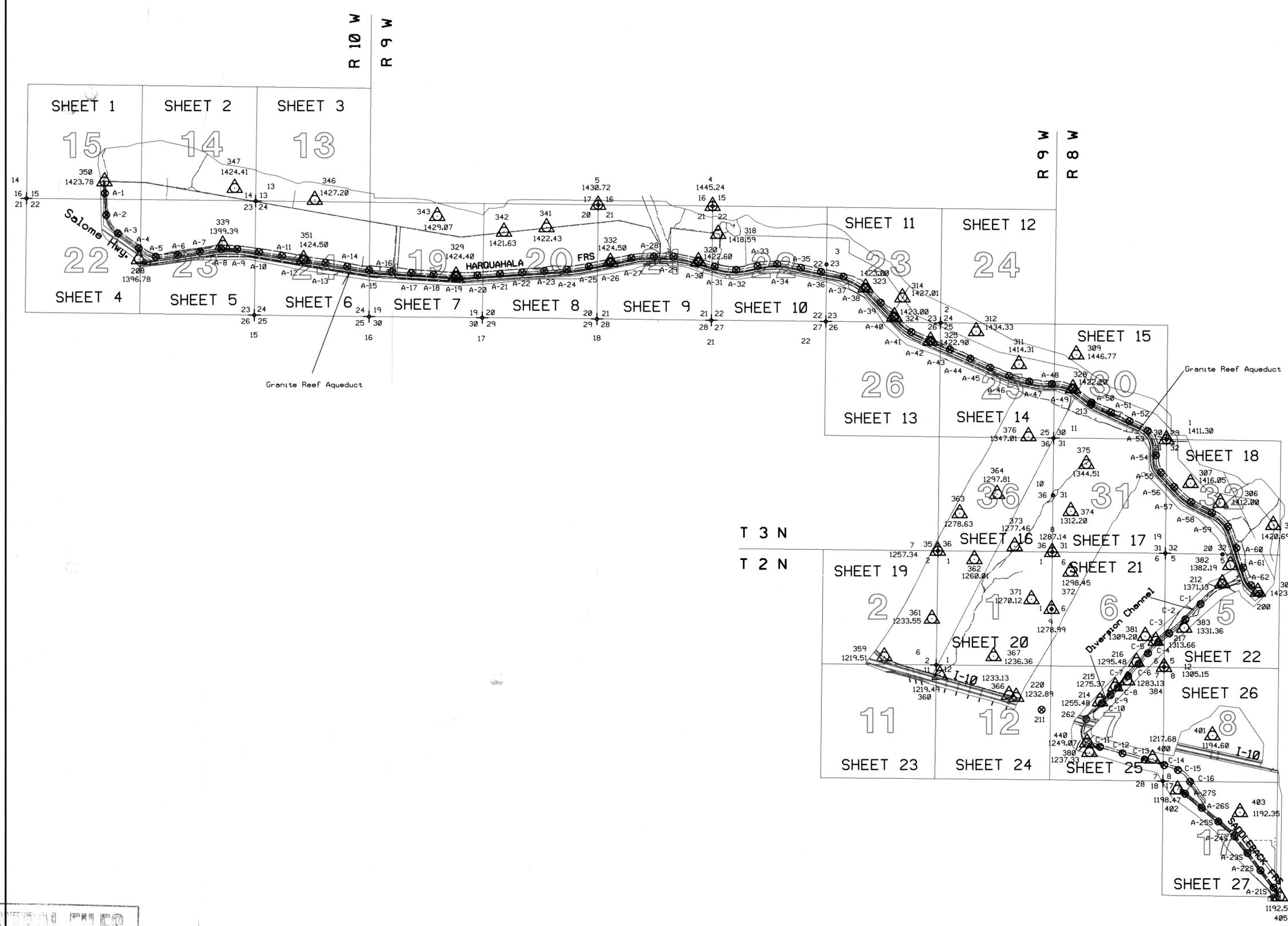
LEGEND

100-YR FLOODPLAIN BOUNDARY	---
FLOODWAY BOUNDARY	---
HYDRAULIC BASE LINE WITH RIVER MILE	M12.0 --- M13.0
CROSS SECTION	(A) FP=100 Yr WSE (A) FW=Floodway WSE
ELEVATION REFERENCE MARK	ERM3 X
BASE FLOOD ELEVATIONS	1221
ZONE DESIGNATIONS	ZONE AE
CORPORATE LIMITS	Corporate Limits
COUNTY, PARISH, STATE OR INTERNATIONAL BOUNDARY	County Boundary

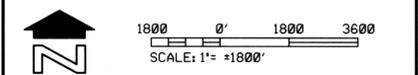
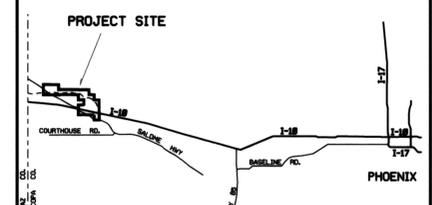
PRIMARY CONTROL POINTS

NOTE: ALL ELEVATIONS ARE BASED ON NAVD 88 (NORTH AMERICAN VERTICAL DATUM 1988)

I.D. NO.	ELEV. (FT)	DESCRIPTION/LOCATION
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INDEX MAP



McLAIN AERIAL, INC.

DESIGN	BY	DATE	FLOOD CONTROL DISTRICT OF MARICOPA COUNTY
DESIGN CHK.	-	-	
PLANS	-	-	
PLANS CHK.	-	-	
SUBMITTED BY:	-	-	
DATE:	-	-	CHIEF ENGINEER AND GENERAL MANAGER
			SHEET
			INDEX

CENTRAL FILES
DRAWN 320

HARQUAHALA FRS & DIVERSION CHANNEL
ELEVATION CAPACITY CURVE AERIAL
TOPOS BY McLain
FCD 93-51 330
McLain Aerial, Inc.
AERIAL MAPPING & SURVEYING
PHOTO DATES 3-9-96, 3-16-96, 3-23-96 & 3-30-96.

ADJUSTED REF. DEC. 18, 1991

TABLE A

1	1411.30	Section cor. for sec's. 29, 30, 31 & 32, T. 3 N., R. 9 W., monumented with a 2 ins. iron post 0.9 ft. above ground surface, firmly set with the GLD brass cap properly mkd.	212	1371.13	Bench Mark, monumented with a USDI brass cap in concrete, flush with ground surface, mkd. "C-REF 150.00 FT RT 10040", located approximately 3900 ft. north and 2695 ft. east from the SW corner of section 5, T. 2 N., R. 8 W.	339	1399.39	Set 60d nail flush with ground surface located approximately 3254 ft. north and 1454 ft. west from the SE corner of section 23, T. 3 N., R. 10 W.	401	1194.60	Set 1/2 x 18 ins. rebar flush with ground surface located approximately 2130 ft. north and 2295 ft. east from the SW corner of section 7, T. 2 N., R. 8 W.	A-26	1424.18	Bench Mark, monumented with a USA - SCS brass cap in concrete, 0.6 ft. below ground surface, mkd. "A-26 2-84", located Rt. of Sta. 888+02.	A-54	1421.78	Bench Mark, monumented with a USA - SCS brass cap in concrete, 0.3 ft. below ground surface, mkd. "A-54 2-84", located Rt. of Sta. 878+01.
2	1423.89	Section cor. for sec's. 23, 24, 25 & 26, T. 3 N., R. 9 W., monumented with a 2 ins. iron post 1.0 ft. above ground surface, firmly set with the GLD brass cap properly mkd.	213	1399.59	Bench Mark, monumented with a USA - SCS brass cap in concrete, flush with ground surface, mkd. "B-50 2-84", located Rt. of Sta. 928+83.	341	1422.43	Set 60d nail flush with ground surface located approximately 4183 ft. north and 2971 ft. east from the SW corner of section 20, T. 3 N., R. 9 W.	402	1198.47	Set 60d nail flush with ground surface located approximately 377 ft. south and 882 ft. east from the NW corner of section 17, T. 2 N., R. 8 W.	A-27	1424.33	Bench Mark, monumented with a USA - SCS brass cap in concrete, 0.3 ft. below ground surface, mkd. "A-27 2-84", located Rt. of Sta. 888+02.	A-55	1421.37	Bench Mark, monumented with a USA - SCS brass cap in concrete, 0.5 ft. below ground surface, mkd. "A-55 2-84", located Rt. of Sta. 888+02.
3	1403.31	Quarter cor. for sec's. 22 & 23 T. 3 N., R. 9 W., monumented with a 1 in. iron post 1.7 ft. above ground surface, firmly set with the GLD brass cap properly mkd.	214	1255.48	Bench Mark, monumented with a USDI brass cap in concrete, flush with ground surface, mkd. "C-REF 150.00 FT RT 10040", located approximately 1593 ft. south and 2948 ft. west from the NE corner of section 7, T. 2 N., R. 8 W.	342	1421.63	Set 60d nail flush with ground surface located approximately 3980 ft. north and 1006 ft. east from the SW corner of section 20, T. 3 N., R. 9 W.	403	1192.35	Set 1/2 x 18 ins. rebar flush with ground surface located approximately 1423 ft. south and 3586 ft. east from the NW corner of section 17, T. 2 N., R. 8 W.	A-28	1424.54	Bench Mark, monumented with a USA - SCS brass cap in concrete, 0.3 ft. below ground surface, mkd. "A-28 2-84", located Rt. of Sta. 708+44.	A-56	1421.83	Bench Mark, monumented with a USA - SCS brass cap in concrete, 0.5 ft. below ground surface, mkd. "A-56 2-84", located Rt. of Sta. 888+02.
4	1445.24	Section cor. for sec's. 15, 16, 21 & 22, T. 3 N., R. 9 W., monumented with a 2 ins. iron post 1.3 ft. above ground surface, firmly set with the GLD brass cap properly mkd.	215	1275.37	Bench Mark, monumented with a USDI brass cap in concrete, 0.4 ft. above ground surface, mkd. "C-REF 150.00 FT RT 10040", located approximately 903 ft. south and 2246 ft. west from the NE corner of section 7, T. 2 N., R. 8 W.	343	1429.07	Set 1/2 x 18 ins. rebar flush with ground surface located approximately 4708 ft. north and 2074 ft. west from the SE corner of section 19, T. 3 N., R. 9 W.	440	1249.07	Set 1/2 x 18 ins. rebar flush with ground surface located approximately 1785 ft. north and 3490 ft. west from the SE corner of section 7, T. 2 N., R. 8 W.	A-29	1423.29	Bench Mark, monumented with a USA - SCS brass cap in concrete, 0.4 ft. below ground surface, mkd. "A-29 2-84", located Rt. of Sta. 718+47.	A-57	1420.49	Bench Mark, monumented with a USA - SCS brass cap in concrete, 0.7 ft. below ground surface, mkd. "A-57 2-84", located Rt. of Sta. 999+17.
5	1430.72	Section cor. for sec's. 16, 17, 20 & 21, T. 3 N., R. 9 W., monumented with a 2 ins. iron post 0.6 ft. above ground surface, firmly set with the GLD brass cap properly mkd.	216	1295.48	Bench Mark, monumented with a USDI brass cap set in concrete, flush with ground surface, mkd. "C-REF 150.00 FT RT 10040", located approximately 235 ft. north and 1289 ft. west from the SE corner of section 6, T. 2 N., R. 8 W.	344	1424.41	Set 1/2 x 18 ins. rebar flush with ground surface located approximately 604 ft. north and 988 ft. west from the SE corner of section 14, T. 3 N., R. 10 W.	A-1	1423.11	Bench Mark, monumented with a USA - SCS brass cap in concrete, flush with ground surface, mkd. "A-1 2-84", located Rt. of Sta. 439+78.	A-30	1422.06	Bench Mark, monumented with a USA - SCS brass cap in concrete, 0.6 ft. below ground surface, mkd. "A-30 2-84", located Rt. of Sta. 729+58.	A-58	1421.68	Bench Mark, monumented with a USA - SCS brass cap in concrete, 0.5 ft. below ground surface, mkd. "A-58 2-84", located Rt. of Sta. 1010+09.
6	1222.16	Section cor. for sec's. 1, 2, 11 & 12, T. 2 N., R. 9 W., monumented with a 2 ins. iron post 0.9 ft. above ground surface, firmly set with the GLD brass cap properly mkd.	217	1313.66	Bench Mark, monumented with a USDI brass cap set in concrete, flush with ground surface, mkd. "C-REF 150.00 FT RT 10040", located approximately 1217 ft. north and 379 ft. west from the SE corner of section 6, T. 2 N., R. 8 W.	347	1424.41	Set 1/2 x 18 ins. rebar flush with ground surface located approximately 780 ft. north and 3605 ft. east from the SW corner of section 15, T. 3 N., R. 10 W.	A-2	1423.85	Bench Mark, monumented with a USA - SCS brass cap in concrete, flush with ground surface, mkd. "A-2 2-84", located Rt. of Sta. 449+80.	A-31	1421.85	Bench Mark, monumented with a USA - SCS brass cap in concrete, 0.5 ft. below ground surface, mkd. "A-31 2-84", located Rt. of Sta. 737+36.	A-59	1421.77	Bench Mark, monumented with a USA - SCS brass cap in concrete, 0.5 ft. below ground surface, mkd. "A-59 2-84", located Rt. of Sta. 1020+11.
7	1257.34	Section cor. for sec's. 1, 2, 35 & 36, Tps. 2 & 3 N., R. 9 W., monumented with a 2 ins. iron post 0.5 ft. above ground surface, firmly set with the GLD brass cap properly mkd.	218	1322.89	R/W point, monumented with a AHD brass cap in concrete 0.5 ft. above ground surface, mkd. "PD 4355+00 1989", located approximately 1484 ft. south and 3689 ft. east from the NW corner of section 12, T. 2 N., R. 9 W.	350	1423.78	Set 1/2 x 18 ins. rebar flush with ground surface located approximately 1760 ft. north and 3605 ft. east from the SW corner of section 15, T. 3 N., R. 10 W.	A-3	1424.52	Bench Mark, monumented with a USA - SCS brass cap in concrete, flush with ground surface, mkd. "A-3 2-84", located Rt. of Sta. 460+00.	A-32	1422.75	Bench Mark, monumented with a USA - SCS brass cap in concrete, 0.5 ft. below ground surface, mkd. "A-32 2-84", located Rt. of Sta. 749+52.	A-60	1421.83	Bench Mark, monumented with a USA - SCS brass cap in concrete, 0.2 ft. below ground surface, mkd. "A-60 2-84", located Rt. of Sta. 1030+10.
8	1287.14	Township cor. for Tps. 2 & 3 N., R. 8 & 9 W., monumented with a 3 in. iron post 0.7 ft. above ground surface, firmly set with the GLD brass cap properly mkd. (Also see 1, 5, 31 & 36)	220	1232.89	R/W point, monumented with a AHD brass cap in concrete 0.5 ft. above ground surface, mkd. "PD 4355+00 1989", located approximately 1484 ft. south and 3689 ft. east from the NW corner of section 12, T. 2 N., R. 9 W.	351	1424.50	Set 60d nail flush with ground surface, on top of Harquahala Structure located approximately 2594 ft. north and 2274 ft. east from the SW corner of section 24, T. 3 N., R. 10 W.	A-4	1424.40	Bench Mark, monumented with a USA - SCS brass cap in concrete, 0.2 ft. below ground surface, mkd. "A-4 2-84", located Rt. of Sta. 471+23.	A-33	1422.59	Bench Mark, monumented with a USA - SCS brass cap in concrete, 0.2 ft. below ground surface, mkd. "A-33 2-84", located Rt. of Sta. 758+41.	A-61	1421.19	Bench Mark, monumented with a USA - SCS brass cap in concrete, 0.6 ft. below ground surface, mkd. "A-61 2-84", located Rt. of Sta. 1040+19.
9	1278.99	Quarter cor. for sec's. 1 & 6, T. 2 N., R. 8 & 9 W., monumented with a 1 in. iron post 1.0 ft. above ground surface, firmly set with the GLD brass cap properly mkd.	262	1253.20	Bench Mark, AHD brass cap in headwall of 3 - 10 x 15 (w x h) concrete box culvert for Harquahala - Saddleback FRS Diversion Channel, located approximately 1769 ft. south and 4200 ft. east from the NW corner of section 5, T. 2 N., R. 8 W.	359	1219.51	Set 1/2 x 18 ins. rebar flush with ground surface located approximately 400 ft. north and 2387 ft. west from the SE corner of section 2, T. 2 N., R. 9 W.	A-5	1424.13	Bench Mark, monumented with a FDCM brass cap in concrete, flush with ground surface, (no markings), located Rt. of Sta. 480+20.	A-34	1422.21	Bench Mark, monumented with a USA - SCS brass cap in concrete, 0.7 ft. below ground surface, mkd. "A-34 2-84", located Rt. of Sta. 766+14.	A-62	1421.52	Bench Mark, monumented with a USA - SCS brass cap in concrete, 0.2 ft. below ground surface, mkd. "A-62 2-84", located Rt. of Sta. 1049+91.
10	1312.64	Quarter cor. for sec's. 31 & 36, T. 3 N., R. 8 & 9 W., monumented with a 1 in. iron post 0.7 ft. above ground surface, firmly set with the GLD brass cap properly mkd.	302	1423.26	Set 60d nail flush with ground surface on top of Harquahala Structure located approximately 1769 ft. south and 4200 ft. east from the NW corner of section 5, T. 2 N., R. 8 W.	360	1219.49	Set 1/2 x 18 ins. rebar flush with ground surface located approximately 457 ft. south and 110 ft. east from the NW corner of section 12, T. 2 N., R. 9 W.	A-6	1424.82	Bench Mark, monumented with a USA - SCS brass cap in concrete, 0.2 ft. below ground surface, mkd. "A-6 2-84", located Rt. of Sta. 490+20.	A-35	1422.85	Bench Mark, monumented with a USA - SCS brass cap in concrete, 0.6 ft. below ground surface, mkd. "A-35 2-84", located Rt. of Sta. 777+05.	C-1	1355.08	Bench Mark, monumented with a USA - SCS brass cap in concrete headwall of drop str., mkd. "C-1 1-84", at Sta. 35+00.
11	1351.60	Section cor. for sec's. 25, 30, 31 & 36, T. 3 N., R. 8 & 9 W., monumented with a 2 ins. iron post 0.8 ft. above ground surface, firmly set with the GLD brass cap properly mkd.	302	1423.26	Set 60d nail flush with ground surface on top of Harquahala Structure located approximately 1769 ft. south and 4200 ft. east from the NW corner of section 5, T. 2 N., R. 8 W.	361	1233.55	Set 60d nail flush with ground surface located approximately 3145 ft. south and 274 ft. west from the NE corner of section 2, T. 2 N., R. 9 W.	A-7	1424.10	Bench Mark, monumented with a USA - SCS brass cap in concrete, 0.4 ft. below ground surface, mkd. "A-7 2-84", located Rt. of Sta. 500+00.	A-36	1422.74	Bench Mark, monumented with a USA - SCS brass cap in concrete, 0.4 ft. below ground surface, mkd. "A-36 2-84", located Rt. of Sta. 786+49.	C-2	1341.45	Bench Mark, monumented with a USA - SCS brass cap in concrete headwall of drop str., mkd. "C-2 1-84", at Sta. 45+00.
12	1305.15	Section cor. for sec's. 5, 6, 7 & 8, T. 2 N., R. 8 W., monumented with a 2 ins. iron post 0.9 ft. above ground surface, firmly set with the GLD brass cap properly mkd.	305	1420.69	Set 60d nail flush with ground surface located approximately 1327 ft. north and 4987 ft. east from the SW corner of section 3, T. 3 N., R. 8 W.	362	1260.01	Set 60d nail flush with ground surface located approximately 385 ft. south and 1685 ft. east from the NW corner of section 1, T. 2 N., R. 9 W.	A-8	1424.10	Bench Mark, monumented with a USA - SCS brass cap in concrete, 0.2 ft. below ground surface, mkd. "A-8 2-84", located Rt. of Sta. 510+00.	A-37	1422.24	Bench Mark, monumented with a USA - SCS brass cap in concrete, 0.4 ft. below ground surface, mkd. "A-37 2-84", located Rt. of Sta. 796+99.	C-3	1331.67	Bench Mark, monumented with a USA - SCS brass cap in concrete headwall of drop str., mkd. "C-3 1-84", at Sta. 55+00.
13	1420.78	Section cor. for sec's. 13, 14, 23 & 24, T. 3 N., R. 10 W., monumented with a 2 ins. iron post 1.0 ft. above ground surface, firmly set with the GLD brass cap properly mkd.	306	1412.00	Set 60d nail flush with ground surface located approximately 2932 ft. south and 2495 ft. east from the NW corner of section 32, T. 3 N., R. 8 W.	363	1278.63	Set 1/2 x 18 ins. rebar flush with surface of the ground located approximately 1740 ft. north and 1007 ft. east from section 36, T. 3 N., R. 9 W.	A-9	1424.35	Bench Mark, monumented with a USA - SCS brass cap in concrete, 0.3 ft. below ground surface, mkd. "A-9 2-84", located Rt. of Sta. 517+42.	A-38	1422.92	Bench Mark, monumented with a USA - SCS brass cap in concrete, 0.1 ft. below ground surface, mkd. "A-38 2-84", located Rt. of Sta. 808+46.	C-4	1322.44	Bench Mark, monumented with a USA - SCS brass cap in concrete headwall of drop str., mkd. "C-4 1-84", at Sta. 61+50.
14	1422.30	Section cor. for sec's. 15, 16, 21 & 22, T. 3 N., R. 10 W., monumented with a 2 ins. iron post 0.7 ft. above ground surface, firmly set with the GLD brass cap properly mkd.	307	1416.05	Set 60d nail flush with ground surface located approximately 2016 ft. south and 1111 ft. east from the NW corner of section 32, T. 3 N., R. 8 W.	364	1297.81	Set 1/2 x 18 ins. rebar flush with ground surface located approximately 2693 ft. north and 2545 ft. west from the SE corner of section 36, T. 3 N., R. 9 W.	A-10	1424.07	Bench Mark, monumented with a USA - SCS brass cap in concrete, 0.6 ft. below ground surface, mkd. "A-10 2-84", located Rt. of Sta. 527+68.	A-39	1422.61	Bench Mark, monumented with a USA - SCS brass cap in concrete, 0.4 ft. below ground surface, mkd. "A-39 2-84", located Rt. of Sta. 818+25.	C-5	1313.05	Bench Mark, monumented with a USA - SCS brass cap in concrete headwall of drop str., mkd. "C-5 1-84", at Sta. 75+00.
15	1374.27	Section cor. for sec's. 23, 24, 25 & 26, T. 3 N., R. 10 W., monumented with a 2 ins. iron post 0.7 ft. above ground surface, firmly set with the GLD brass cap properly mkd.	309	1446.77	Set 1/2 x 18 ins. rebar flush with ground surface located approximately 3870 ft. north and 1049 ft. east from the SW corner of section 30, T. 3 N., R. 9 W.	366	1233.13	Set 60d nail flush with ground surface located approximately 1390 ft. south and 3354 ft. east from the NW corner of section 12, T. 2 N., R. 9 W.	A-11	1423.92	Bench Mark, monumented with a USA - SCS brass cap in concrete, 0.6 ft. below ground surface, mkd. "A-11 2-84", located Rt. of Sta. 538+27.	A-40	1423.06	Bench Mark, monumented with a USA - SCS brass cap in concrete, 0.1 ft. below ground surface, mkd. "A-40 2-84", located Rt. of Sta. 827+22.	C-6	1303.82	Bench Mark, monumented with a USA - SCS brass cap in concrete headwall of drop str., mkd. "C-6 1-84", at Sta. 82+50.
16	1376.89	Section cor. for sec's. 19, 24, 25 & 30, T. 3 N., R. 9 & 10 W., monumented with a 2 ins. iron post 0.6 ft. above ground surface, firmly set with the GLD brass cap properly mkd.	311	1414.31	Set 60d nail flush with ground surface, located approximately 1423 ft. north and 1599 ft. west from the SE corner of section 25, T. 3 N., R. 9 W.	367	1236.36	Set 1/2 x 18 ins. rebar flush with ground surface located approximately 407 ft. north and 2646 ft. east from the SW corner of section 1, T. 2 N., R. 9 W.	A-12	1424.22	Bench Mark, monumented with a USA - SCS brass cap in concrete, 0.4 ft. below ground surface, mkd. "A-12 2-84", located Rt. of Sta. 547+93.	A-41	1422.08	Bench Mark, monumented with a USA - SCS brass cap in concrete, 0.5 ft. below ground surface, mkd. "A-41 2-84", located Rt. of Sta. 837+91.	C-7	1294.52	Bench Mark, monumented with a USA - SCS brass cap in concrete headwall of drop str., mkd. "C-7 1-84", at Sta. 84+50.
17	1376.62	Section cor. for sec's. 19, 20, 29 & 30, T. 3 N., R. 9 W., monumented with a 2 ins. iron post 0.6 ft. above ground surface, firmly set with the GLD brass cap properly mkd.	312	1434.33	Set 1/2 x 18 ins. rebar flush with ground surface, located approximately 391 ft. south and 4643 ft. east from the NW corner of section 25, T. 3 N., R. 9 W.	371	1270.12	Set 60d nail flush with ground surface located approximately 358 ft. west from the NE corner of section 1, T. 2 N., R. 9 W.	A-13	1424.24	Bench Mark, monumented with a USA - SCS brass cap in concrete, 0.2 ft. below ground surface, mkd. "A-13 2-84", located Rt. of Sta. 559+13.	A-42	1422.59	Bench Mark, monumented with a USA - SCS brass cap in concrete, 0.2 ft. below ground surface, mkd. "A-42 2-84", located Rt. of Sta. 847+76.	C-8	1284.56	Bench Mark, monumented with a USA - SCS brass cap in concrete headwall of drop str., mkd. "C-8 1-84", at Sta. 84+50.
18	1372.48	Section cor. for sec's. 20, 21, 28 & 29, T. 3 N., R. 9 W., monumented with a 2 ins. iron post 0.6 ft. above ground surface, firmly set with the GLD brass cap properly mkd.	314	1427.01	Set 1/2 x 18 ins. rebar flush with ground surface, located approximately 1173 ft. north and 1754 ft. west from the SE corner of section 23, T. 3 N., R. 9 W.	372	1298.45	Set 1/2 x 18 ins. rebar flush with ground surface located approximately 913 ft. south and 844 ft. east from the NW corner of section 6, T. 2 N., R. 8 W.	A-14	1424.09	Bench Mark, monumented with a USA - SCS brass cap in concrete, 0.4 ft. below ground surface, mkd. "A-14 2-84", located Rt. of Sta. 567+97.	A-43	1422.31	Bench Mark, monumented with a USA - SCS brass cap in concrete, 0.4 ft. below ground surface, mkd. "A-43 2-84", located Rt. of Sta. 857+54.	C-9	1274.55	Bench Mark, monumented with a USA - SCS brass cap in concrete headwall of drop str., mkd. "C-9 1-84", at Sta. 94+50.
19	1356.68	Section cor. for sec's. 5, 6, 31 & 32, Tps. 2 & 3 N., R. 8 W., monumented with a 2 ins. iron post 1.1 ft. above ground surface, firmly set with the GLD brass cap properly mkd.	318	1418.59	Set 60d nail flush with ground surface, located 3 ft. south of an East-west barbed wire fence, also located approximately 1218 ft. south and 259 ft. east from the NW corner of section 22, T. 3 N., R. 9 W.	373	1277.46	Set 1/2 x 18 ins. rebar flush with ground surface located approximately 23 ft. north and 1376 ft. west from the SE corner of section 36, T. 3 N., R. 9 W.	A-15	1424.39	Bench Mark, monumented with a USA - SCS brass cap in concrete, 0.2 ft. below ground surface, mkd. "A-15 2-84", located Rt. of Sta. 578+65.	A-44	1422.38	Bench Mark, monumented with a USA - SCS brass cap in concrete, 0.4 ft. below ground surface, mkd. "A-44 2-84", located Rt. of Sta. 867+87.	C-10	1264.44	Bench Mark, monumented with a USA - SCS brass cap in concrete headwall of drop str., mkd. "C-10 1-84", at Sta. 100+00.
20	1386.94	Quarter cor. for sec's. 5 & 32, Tps. 2 & 3 N., R. 8 W., monumented with a 1 in. iron post 1.0 ft. above ground surface, firmly set with the GLD brass cap properly mkd.	320	1422.60	Set 60d nail flush with ground surface, on top of Harquahala Structure located approximately 2988 ft. south and 651 ft. west from the NE corner of section 21, T. 3 N., R. 9 W.	374	1312.20	Set 1/2 x 18 ins. rebar flush with ground surface located approximately 1893 ft. north and 859 ft. east from the SW corner of section 31, T. 3 N., R. 8 W.	A-16	1424.30	Bench Mark, monumented with a USA - SCS brass cap in concrete, 0.6 ft. below ground surface, mkd. "A-16 2-84", located Rt. of Sta. 589+28.	A-45	1422.26	Bench Mark, monumented with a USA - SCS brass cap in concrete, 0.3 ft. below ground surface, mkd. "A-45 2-84", located Rt. of Sta. 877+95.	C-11	1247.63	Bench Mark, monumented with a USA - SCS brass cap in concrete headwall of drop str., mkd. "C-11 1-84", at Sta. 127+81.
21	1356.31	Section cor. for sec's. 21, 22, 27 & 28, T. 3 N., R. 9 W., monumented with a 2 ins. iron post 0.6 ft. above ground surface, firmly set with the GLD brass cap properly mkd.	323	1423.00	Set 60d nail flush with ground surface on top of Harquahala Structure located approximately 1629 ft. north and 3450 ft. west from the SE corner of section 23, T. 3 N., R. 9 W.	375	1344.51	Set 1/2 x 18 ins. rebar flush with ground surface located approximately 1893 ft. north and 1481 ft. east from the SW corner of section 31, T. 3 N., R. 8 W.	A-17	1424.17	Bench Mark, monumented with a USA - SCS brass cap in concrete, 0.4 ft. below ground surface, mkd. "A-17 2-84", located Rt. of Sta. 597+16.	A-46	1422.30	Bench Mark, monumented with a USA - SCS brass cap in concrete, 0.4 ft. below ground surface, mkd. "A-46 2-84", located Rt. of Sta. 887+65.	C-12	1238.37	Bench Mark, monumented with a USA - SCS brass cap in concrete headwall of drop str., mkd. "C-12 1-84", at Sta. 138+61.
22	1362.42	Section cor. for sec's. 22, 23, 26 & 27, T. 3 N., R. 9 W., monumented with a 2 ins. iron post 0.6 ft. above ground surface, firmly set with the GLD brass cap properly mkd.	324	1423.00	Set 60d nail flush with ground surface on top of Harquahala Structure located approximately 293 ft. north and 2127 ft. west from the SE cor. of sec. 23, T. 3 N., R. 9 W.	376	1347.01	Set 1/2 x 18 ins. rebar flush with ground surface located approximately 85 ft. north and 1163 ft. west from the SE corner of section 25, T. 3 N., R. 9 W.	A-18	1424.37	Bench Mark, monumented with a USA - SCS brass cap in concrete, 0.1 ft. below ground surface, mkd. "A-18 2-84", located Rt. of Sta. 607+37.	A-47	1422.10	Bench Mark, monumented with a USA - SCS brass cap in concrete, 0.5 ft. below ground surface, mkd. "A-47 2-84", located Rt. of Sta. 897+33.	C-13	1229.13	Bench Mark, monumented with a USA - SCS brass cap in concrete headwall of drop str., mkd. "C-13 1-84", at Sta. 165+11.
23	1206.19	Section cor. for sec's. 8, 17 & 18, T. 2 N., R. 8 W., monumented with a 2 ins. iron post 0.8 ft. above ground surface, firmly set with the GLD brass cap properly mkd.	325	1422.90	Set 60d nail flush with ground surface on top of Harquahala Structure located approximately 830 ft. south and 456 ft. west from the NE corner of section 26, T. 3 N., R. 9 W.	380	1237.33	Set 60d nail flush with ground surface located approximately 3940 ft. south and 3438 ft. west from the NE corner of section 7, T. 2 N., R. 8 W.	A-19	1424.48	Bench Mark, monumented with a USA - SCS brass cap in concrete, flush with ground surface, mkd. "A-19 2-84", located Rt. of Sta. 617+67.	A-48	1422.30	Bench Mark, monumented with a USA - SCS brass cap in concrete, 0.4 ft. below ground surface, mkd. "A-48 2-84", located Rt. of Sta. 907+89.	C-14	1219.91	Bench Mark, monumented with a USA - SCS brass cap in concrete headwall of drop str., mkd. "C-14 1-84", at Sta. 158+61.
200	1443.90	Bench Mark monumented with USA - SCS brass cap in rock outcrop, flush with ground surface, mkd. "BURN 1 84", located approximately 1863 ft. south and 4351 ft. east from the NW corner of sec. 5, T. 2 N., R. 8 W.	328	1422.20	Set 60d nail flush with ground surface on top of Harquahala Structure located approximately 2300 ft. north and 927 ft. east from the SW corner of section 30, T. 3 N., R. 8 W.	381	1309.20	Set 60d nail flush with ground surface located approximately 1441 ft. north and 867 ft. west from the SE corner of section 6, T. 2 N., R. 8 W.	A-20	1424.62	Bench Mark, monumented with a USA - SCS brass cap in concrete, 0.3 ft. below ground surface, mkd. "A-20 2-84", located Rt. of Sta. 627+50.	A-49	1421.88	Bench Mark, monumented with a USA - SCS brass cap in concrete, 0.4 ft. below ground surface, mkd. "A-49 2-84", located Rt. of Sta. 917+96.	C-15	1210.74	Bench Mark, monumented with a USA - SCS brass cap in concrete headwall of drop str., mkd. "C-15 1-84", at Sta. 173+41.
208	1396.78	Bench Mark, monumented with a NGS stainless steel rod in standard underground container, 1950 ft. north and 1209															

**FLOOD CONTROL DISTRICT
OF MARICOPA COUNTY**

**HARQUAHALA
FRS & DIVERSION CHANNEL
F.C.D. CONTRACT NO. FCD 93-51**

LEGEND

100-YR FLOODPLAIN BOUNDARY	---
FLOODWAY BOUNDARY	---
HYDRAULIC BASE LINE WITH RIVER MILE	M12.0 M13.0
CROSS SECTION	A FP=100 Yr WSE FW=Floodway WSE
ELEVATION REFERENCE MARK	ERM3 X
BASE FLOOD ELEVATIONS	1221
ZONE DESIGNATIONS	ZONE AE
CORPORATE LIMITS	Corporate Limits
COUNTY, PARISH, STATE OR INTERNATIONAL BOUNDARY	County Boundary

PRIMARY CONTROL POINTS

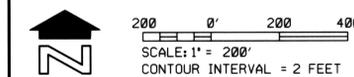
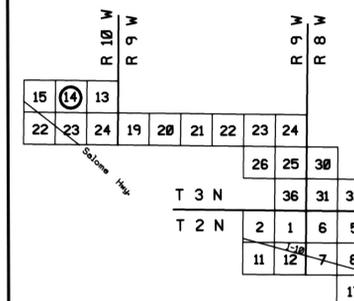
NOTE: ALL ELEVATIONS ARE BASED ON NAVD 88 (NORTH AMERICAN VERTICAL DATUM 1988)

I.D. NO.	ELEV. (FT)	DESCRIPTION/LOCATION
347	1424.41	Set 1/2 x 18 ins. rebar flush with ground surface located approximately 604 ft. north and 968 ft. west from the SE corner of section 14, T. 3 N., R. 10 W.
13	1420.78	Section cor. for sec's. 13, 14, 23 & 24, T. 3 N., R. 10 W., monumented with a 2 ins. iron post 1.0 ft. above ground surface, firmly set with the G.L.O brass cap properly mkd.

NOTES

INDEX MAP

Map Sheet 2 represents Section 14, T3N, R10W



McLAIN AERIAL, INC.

DESIGN	BY	DATE	FLOOD CONTROL DISTRICT OF MARICOPA COUNTY
DESIGN CHK.	-	-	RECOMMENDED BY: DATE
PLANS	-	-	APPROVED BY: DATE
PLANS CHK.	-	-	CHIEF ENGINEER AND GENERAL MANAGER
SUBMITTED BY:	DATE:	SHEET	2 OF 27

**FLOOD CONTROL DISTRICT
OF MARICOPA COUNTY**

**HARQUAHALA
FRS & DIVERSION CHANNEL
F.C.D. CONTRACT NO. FCD 93-51**

LEGEND

100-YR FLOODPLAIN BOUNDARY	—————
FLOODWAY BOUNDARY	—————
HYDRAULIC BASE LINE WITH RIVER MILE	M12.0 ——— M13.0
CROSS SECTION	A FP=100 Yr. WSE A FW=Floodway WSE
ELEVATION REFERENCE MARK	ERM3 X
BASE FLOOD ELEVATIONS	~1221~
ZONE DESIGNATIONS	ZONE AE
CORPORATE LIMITS	Corporate Limits
COUNTY, PARISH, STATE OR INTERNATIONAL BOUNDARY	County Boundary

PRIMARY CONTROL POINTS

NOTE: ALL ELEVATIONS ARE BASED ON NAVD 88 (NORTH AMERICAN VERTICAL DATUM 1988)

I.D. NO.	ELEV. (FT)	DESCRIPTION/LOCATION
13	1420.78	Section cor. for sec's. 13, 14, 23 & 24, T. 3 N., R. 10 W., monumented with a 2 in. iron post 1.0 ft. above ground surface, firmly set with the 0.8 brass cap properly mkd.
346	1427.20	Set 60d nail flush with ground surface located approximately 54 ft. north and 2725 ft. east from the SW corner of section 13, T. 3 N., R. 10 W.

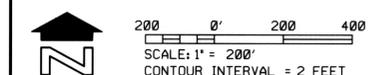
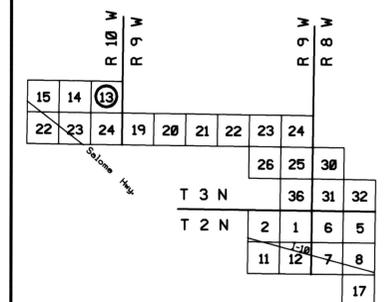
13

NOTES



INDEX MAP

Map Sheet 3 represents Section 13, T3N, R10W



McLAIN AERIAL, INC.

DESIGN	BY	DATE	FLOOD CONTROL DISTRICT OF MARICOPA COUNTY
DESIGN CHK.	-	-	
PLANS	-	-	
PLANS CHK.	-	-	
SUBMITTED BY:	-	-	
	DATE:		RECOMMENDED BY:
			APPROVED BY:
			DATE:
			CHEF ENGINEER AND GENERAL MANAGER
			SHEET 3 OF 27

**FLOOD CONTROL DISTRICT
OF MARICOPA COUNTY**
HARQUAHALA
FRS & DIVERSION CHANNEL
F.C.D. CONTRACT NO. FCD 93-51

LEGEND

100-YR FLOODPLAIN BOUNDARY	---
FLOODWAY BOUNDARY	---
HYDRAULIC BASE LINE WITH RIVER MILE	M12.0 M13.0
CROSS SECTION	A FP=100 Yr WSE FW=Floodway WSE
ELEVATION REFERENCE MARK	ERM3 X
BASE FLOOD ELEVATIONS	1221
ZONE DESIGNATIONS	ZONE AE
CORPORATE LIMITS	Corporate Limits
COUNTY, PARISH, STATE OR INTERNATIONAL BOUNDARY	County Boundary

PRIMARY CONTROL POINTS

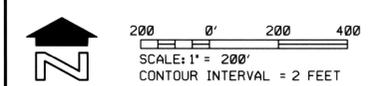
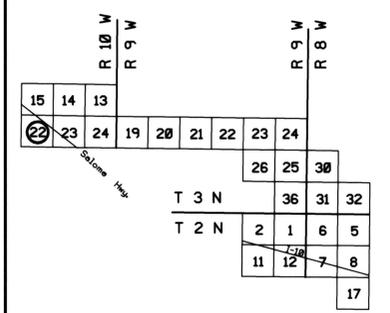
NOTE: ALL ELEVATIONS ARE BASED ON NAVD 88 (NORTH AMERICAN VERTICAL DATUM 1988)

I.D. NO.	ELEV. (FT)	DESCRIPTION/LOCATION
14	1422.30	Section cor. for sec's. 15, 16, 21 & 22, T. 3 N., R. 10 W., monumented with a 2 in. iron post 0.7 ft. above ground surface, firmly set with the GLO brass cap properly mkd.
208	1396.78	Bench Mark, monumented with a NGS stainless steel rod in standard underground container, 0.3 ft. below ground surface, mkd. "476 1981", located at the NW cor. of Salome Hwy. and Granite Reef Aqueduct.
A-2	1423.85	Bench Mark, monumented with a USDA - SCS brass cap in concrete, flush with ground surface, mkd. "A-2 2-84", located Rt. of sta 449+00.
A-3	1424.52	Bench Mark, monumented with a USDA - SCS brass cap in concrete, flush with ground surface, mkd. "A-3 2-84", located Rt. of sta 460+00.
A-4	1424.40	Bench Mark, monumented with a USDA - SCS brass cap in concrete, 0.2 ft. below ground surface, mkd. "A-4 2-84", located Rt. of sta 471+23.

NOTES

INDEX MAP

Map Sheet 4 represents Section 22, T3N, R10W



McLAIN AERIAL, INC.

DESIGN	BY	DATE	FLOOD CONTROL DISTRICT OF MARICOPA COUNTY
DESIGN CHK.	-	-	RECOMMENDED BY: _____ DATE _____
PLANS	-	-	APPROVED BY: _____ DATE _____
PLANS CHK.	-	-	CHEF ENGINEER AND GENERAL MANAGER
SUBMITTED BY:	DATE:	SHEET	4 OF 27

14 16 15
1422.30 21 22

22

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

**HARQUAHALA
FRS & DIVERSION CHANNEL
F.C.D. CONTRACT NO. FCD 93-51**

LEGEND

- 100-YR FLOODPLAIN BOUNDARY
- FLOODWAY BOUNDARY
- HYDRAULIC BASE LINE WITH RIVER MILE
- CROSS SECTION
- ELEVATION REFERENCE MARK
- BASE FLOOD ELEVATIONS
- ZONE DESIGNATIONS
- CORPORATE LIMITS
- COUNTY, PARISH, STATE OR INTERNATIONAL BOUNDARY

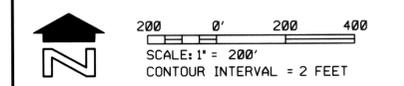
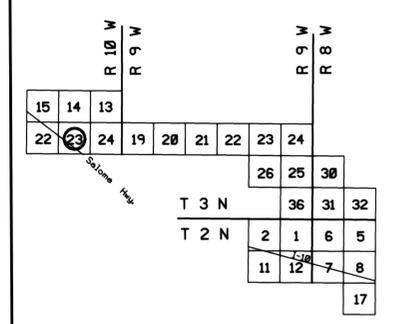
PRIMARY CONTROL POINTS

NOTE: ALL ELEVATIONS ARE BASED ON NAVD 88 (NORTH AMERICAN VERTICAL DATUM 1988)

I.D. NO.	ELEV. (FT)	DESCRIPTION/LOCATION
13	1420.78	Section cor. for sec's. 13, 14, 23 & 24, T. 3 N., R. 10 W., monumented with a 2 ins. iron post 1.0 ft. above ground surface, firmly set with the GLD brass cap properly mkd.
15	1374.27	Section cor. for sec's. 23, 24, 25 & 26, T. 3 N., R. 10 W., monumented with a 2 ins. iron post 0.7 ft. above ground surface, firmly set with the GLD brass cap properly mkd.
208	1396.78	Bench Mark, monumented with a MS stainless steel rod in standard underground container, 0.3 ft. below ground surface, mkd. "Y 476 1981", located at the NW cor. of Solome Hwy. and Granite Reef Aqueduct.
339	1399.39	Set 6d nail flush with ground surface located approximately 3254 ft. north and 1454 ft. west from the SE corner of section 23, T. 3 N., R. 10 W.
A-4	1424.40	Bench Mark, monumented with a USA - SCS brass cap in concrete, 0.2 ft. below ground surface, mkd. "A-4 2-84", located Rt. of sta 471+23.
A-5	1424.13	Bench Mark, monumented with a FDMC brass cap in concrete, flush with ground surface, (no markings), located Rt. of sta 480+20.
A-6	1424.82	Bench Mark, monumented with a USA - SCS brass cap in concrete, 0.2 ft. below ground surface, mkd. "A-6 2-84", located Rt. of sta 490+20.
A-7	1424.10	Bench Mark, monumented with a USA - SCS brass cap in concrete, 0.4 ft. below ground surface, mkd. "A-7 2-84", located Rt. of sta 500+20.
A-8	1424.10	Bench Mark, monumented with a USA - SCS brass cap in concrete, 0.6 ft. below ground surface, mkd. "A-8 2-84", located Rt. of sta 510+00.
A-9	1424.35	Bench Mark, monumented with a USA - SCS brass cap in concrete, 0.3 ft. below ground surface, mkd. "A-9 2-84", located Rt. of sta 517+42.
A-10	1424.07	Bench Mark, monumented with a USA - SCS brass cap in concrete, 0.6 ft. below ground surface, mkd. "A-10 2-84", located Rt. of sta 527+58.

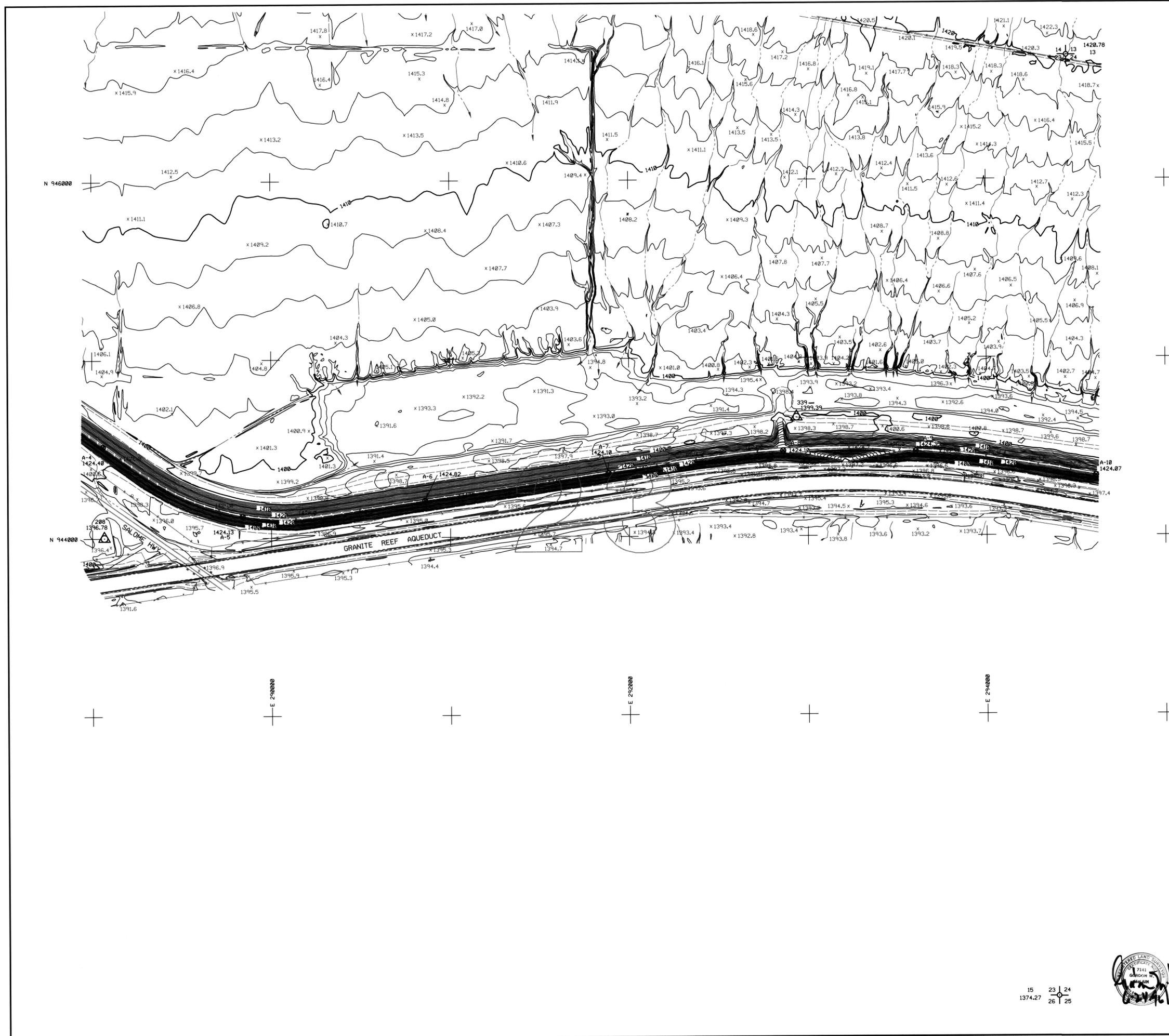
INDEX MAP

Map Sheet 5 represents Section 23, T3N, R10W



McLAIN AERIAL, INC.

DESIGN	BY	DATE	FLOOD CONTROL DISTRICT
DESIGN CHK.	-	-	OF MARICOPA COUNTY
PLANS	-	-	RECOMMENDED BY: DATE
PLANS CHK.	-	-	APPROVED BY: DATE
SUBMITTED BY:	-	-	CHIEF ENGINEER AND GENERAL MANAGER
	DATE		SHEET 5 OF 27



15 23 24
1374.27 26 25



**FLOOD CONTROL DISTRICT
OF MARICOPA COUNTY**
HARQUAHALA
FRS & DIVERSION CHANNEL
F.C.D. CONTRACT NO. FCD 93-51

LEGEND

100-YR FLOODPLAIN BOUNDARY	---
FLOODWAY BOUNDARY	---
HYDRAULIC BASE LINE WITH RIVER MILE	M12.0 --- M13.0
CROSS SECTION	A FP=100 Yr WSE FW=Floodway WSE
ELEVATION REFERENCE MARK	ERM3 X
BASE FLOOD ELEVATIONS	1221
ZONE DESIGNATIONS	ZONE AE
CORPORATE LIMITS	Corporate Limits
COUNTY, PARISH, STATE OR INTERNATIONAL BOUNDARY	County Boundary

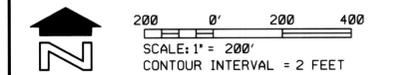
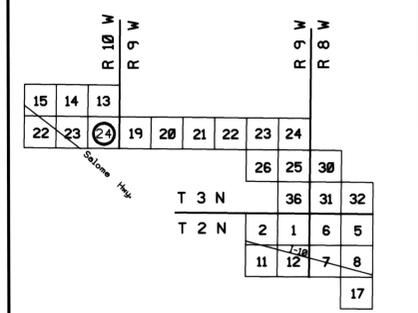
PRIMARY CONTROL POINTS

NOTE: ALL ELEVATIONS ARE BASED ON NAVD 88 (NORTH AMERICAN VERTICAL DATUM 1988)

I.D. NO.	ELEV. (FT)	DESCRIPTION/LOCATION
13	1420.78	Section cor. for sec's. 13, 14, 23 & 24, T. 3 N., R. 10 W., monumented with a 2 in. iron post 1.0 ft. above ground surface, firmly set with the GLO brass cap properly mkd.
15	1374.27	Section cor. for sec's. 23, 24, 25 & 26, T. 3 N., R. 10 W., monumented with a 2 in. iron post 0.7 ft. above ground surface, firmly set with the GLO brass cap properly mkd.
16	1376.89	Section cor. for sec's. 19, 24, 25 & 30, T. 3 N., R. 9 & 10 W., monumented with a 2 in. iron post 0.6 ft. above ground surface, firmly set with the GLO brass cap properly mkd.
346	1427.20	Set 60d nail flush with ground surface located approximately 54 ft. north and 2725 ft. east from the SW corner of section 13, T. 3 N., R. 10 W.
351	1424.50	Set 60d nail flush with ground surface, on top of Harquahala Structure located approximately 2594 ft. north and 2274 ft. east from the SW corner of section 24, T. 3 N., R. 10 W.
A-10	1424.07	Bench Mark, monumented with a USA - SCS brass cap in concrete, 0.6 ft. below ground surface, mkd. "A-10 2-84", located Rt. of sta 527+58.
A-11	1423.92	Bench Mark, monumented with a USA - SCS brass cap in concrete, 0.6 ft. below ground surface, mkd. "A-11 2-84", located Rt. of sta 538+27.
A-12	1424.22	Bench Mark, monumented with a USA - SCS brass cap in concrete, 0.4 ft. below ground surface, mkd. "A-12 2-84", located Rt. of sta 547+83.
A-13	1424.24	Bench Mark, monumented with a USA - SCS brass cap in concrete, 0.3 ft. below ground surface, mkd. "A-13 2-84", located Rt. of sta 558+13.
A-14	1424.09	Bench Mark, monumented with a USA - SCS brass cap in concrete, 0.4ft. below ground surface, mkd. "A-14 2-84", located Rt. of sta 567+97.
A-15	1424.39	Bench Mark, monumented with a USA - SCS brass cap in concrete, 0.2 ft. below ground surface, mkd. "A-15 2-84", located Rt. of sta 578+65.

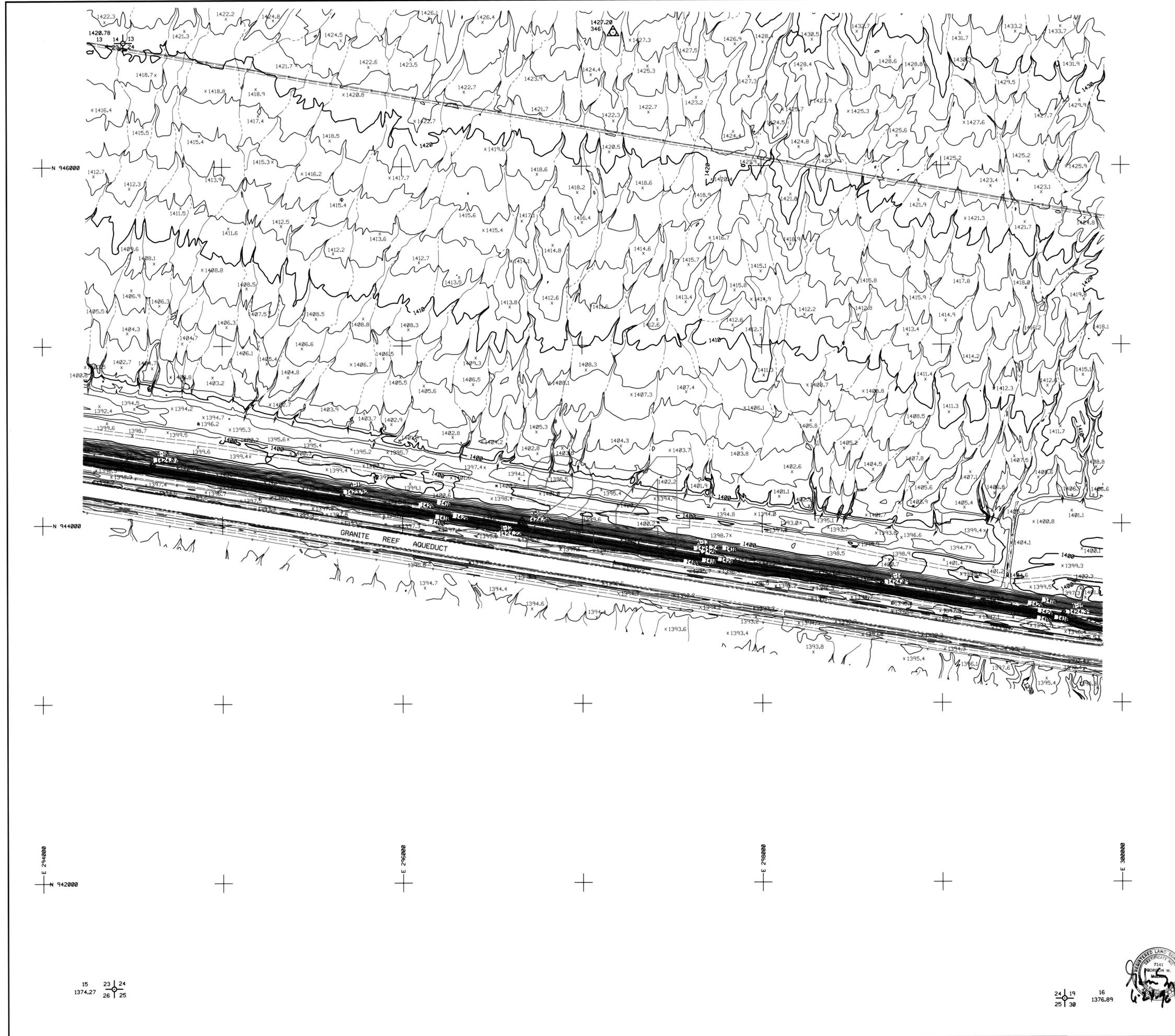
INDEX MAP

Map Sheet 6 represents Section 24, T3N, R10W



McLAIN AERIAL, INC.

DESIGN	BY	DATE	FLOOD CONTROL DISTRICT OF MARICOPA COUNTY
DESIGN CHK.	-	-	
PLANS	-	-	
PLANS CHK.	-	-	
SUBMITTED BY:	-	-	
RECOMMENDED BY:	DATE		
APPROVED BY:	DATE		
CHEEF ENGINEER AND GENERAL MANAGER	DATE		
SHEET	6	OF	27



**FLOOD CONTROL DISTRICT
OF MARICOPA COUNTY**

**HARQUAHALA
FRS & DIVERSION CHANNEL
F.C.D. CONTRACT NO. FCD 93-51**

LEGEND

100-YR FLOODPLAIN BOUNDARY	---
FLOODWAY BOUNDARY	---
HYDRAULIC BASE LINE WITH RIVER MILE	M12.0 M13.0
CROSS SECTION	A FP=100 Yr WSE FW=Floodway WSE
ELEVATION REFERENCE MARK	ERM3 X
BASE FLOOD ELEVATIONS	1221
ZONE DESIGNATIONS	ZONE AE
CORPORATE LIMITS	Corporate Limits
COUNTY, PARISH, STATE OR INTERNATIONAL BOUNDARY	County Boundary

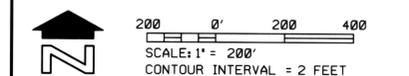
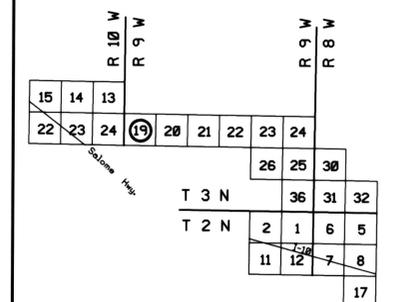
PRIMARY CONTROL POINTS

NOTE: ALL ELEVATIONS ARE BASED ON NAVD 88 (NORTH AMERICAN VERTICAL DATUM 1988)

I.D. NO.	ELEV. (FT)	DESCRIPTION/LOCATION
16	1376.89	Section cor. for sec's. 19, 24, 25 & 30, T. 3 N., R. 9 & 10 W., monumented with a 2 in. iron post 0.6 ft. above ground surface, firmly set with the GLO brass cap properly mkd.
17	1376.62	Section cor. for sec's. 19, 20, 29 & 30, T. 3 N., R. 9 W., monumented with a 2 in. iron post 0.6 ft. above ground surface, firmly set with the GLO brass cap properly mkd.
329	1424.40	Set 60d nail flush with ground surface on top of Harquahala Structure located approximately 1950 ft. north and 1209 ft. west from the SE corner of section 19, T. 3 N., R. 9 W..
343	1429.07	Set 1/2 x 18 in. rebar flush with ground surface located approximately 4706 ft. north and 2074 ft. west from the SE corner of section 19, T. 3 N., R. 9 W..
A-15	1424.39	Bench Mark, monumented with a USDA - SCS brass cap in concrete, 0.2 ft. below ground surface, mkd. "A-15 2-84", located Rt. of sta 578+65.
A-16	1424.30	Bench Mark, monumented with a USDA - SCS brass cap in concrete, 0.6 ft. below ground surface, mkd. "A-16 2-84", located Rt. of sta 589+28.
A-17	1424.17	Bench Mark, monumented with a USDA - SCS brass cap in concrete, 0.4 ft. below ground surface, mkd. "A-17 2-84", located Rt. of sta 597+16.
A-18	1424.37	Bench Mark, monumented with a USDA - SCS brass cap in concrete, 0.1 ft. below ground surface, mkd. "A-18 2-84", located Rt. of sta 607+37.
A-19	1424.48	Bench Mark, monumented with a USDA - SCS brass cap in concrete, flush with ground surface, mkd. "A-19 2-84", located Rt. of sta 617+67.
A-20	1424.62	Bench Mark, monumented with a USDA - SCS brass cap in concrete, 0.3 ft. below ground surface, mkd. "A-20 2-84", located Rt. of sta 627+50.

INDEX MAP

Map Sheet 7 represents Section 19, T3N, R10W

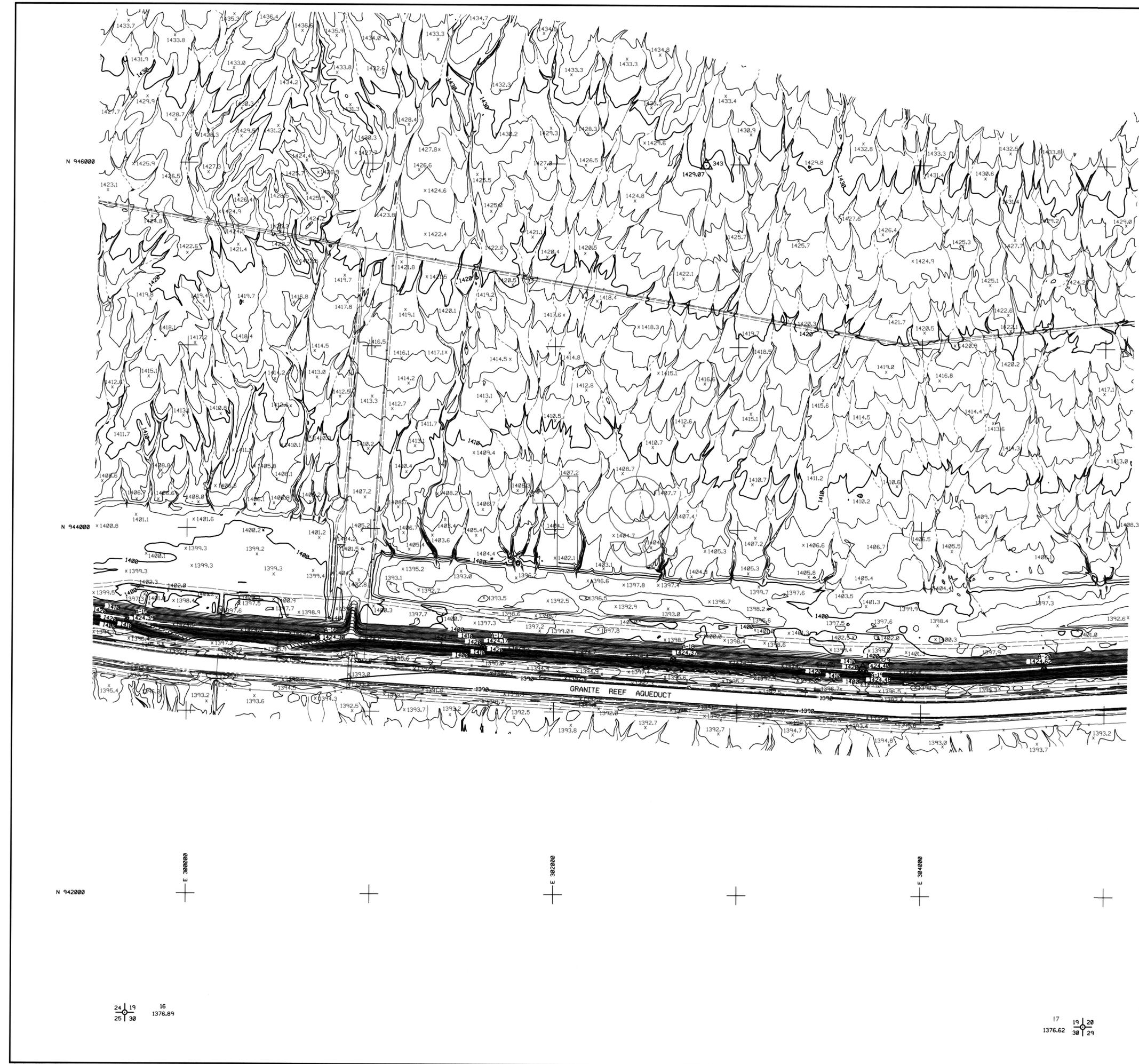


McLAIN AERIAL, INC.

DESIGN	BY	DATE	FLOOD CONTROL DISTRICT OF MARICOPA COUNTY
DESIGN CHK.	-	-	RECOMMENDED BY: DATE
PLANS	-	-	APPROVED BY: DATE
PLANS CHK.	-	-	CHIEF ENGINEER AND GENERAL MANAGER
SUBMITTED BY:	DATE:	SHEET	7 OF 27



17 19 20
1376.62 30 29



**FLOOD CONTROL DISTRICT
OF MARICOPA COUNTY**

**HARQUAHALA
FRS & DIVERSION CHANNEL
F.C.D. CONTRACT NO. FCD 93-51**

LEGEND

100-YR FLOODPLAIN BOUNDARY	---
FLOODWAY BOUNDARY	---
HYDRAULIC BASE LINE WITH RIVER MILE	M12.0 --- M13.0
CROSS SECTION	A FP=100 Yr WSE FW=Floodway WSE
ELEVATION REFERENCE MARK	ERM3 X
BASE FLOOD ELEVATIONS	1221
ZONE DESIGNATIONS	ZONE AE
CORPORATE LIMITS	Corporate Limits
COUNTY, PARISH, STATE OR INTERNATIONAL BOUNDARY	County Boundary

PRIMARY CONTROL POINTS

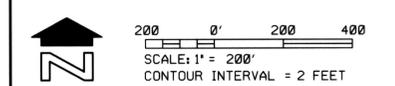
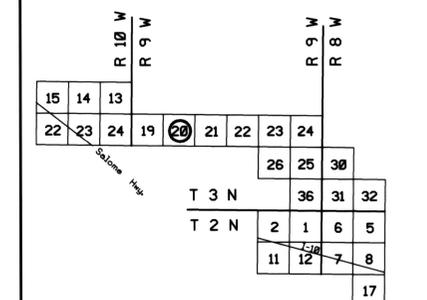
NOTE: ALL ELEVATIONS ARE BASED ON NAVD 88 (NORTH AMERICAN VERTICAL DATUM 1988)

I.D. NO.	ELEV. (FT)	DESCRIPTION/LOCATION
5	1430.72	Section cor. for sec's. 16, 17, 20 & 21, T. 3 N., R. 9 W., monumented with a 2 in. iron post 0.6 ft. above ground surface, firmly set with the GLO brass cap properly mkd.
17	1376.62	Section cor. for sec's. 19, 20, 29 & 30, T. 3 N., R. 9 W., monumented with a 2 in. iron post 0.6 ft. above ground surface, firmly set with the GLO brass cap properly mkd.
18	1372.48	Section cor. for sec's. 20, 21, 28 & 29, T. 3 N., R. 9 W., monumented with a 2 in. iron post 0.6 ft. above ground surface, firmly set with the GLO brass cap properly mkd.
341	1422.43	Set 60d nail flush with ground surface located approximately 4183 ft. north and 2911 ft. east from the SW corner of section 20, T. 3 N., R. 9 W.
342	1421.63	Set 60d nail flush with ground surface located approximately 3980 ft. north and 1006 ft. east from the SW corner of section 20, T. 3 N., R. 9 W.
A-21	1424.15	Bench Mark, monumented with a USA - SCS brass cap in concrete, 0.3 ft. below ground surface, mkd. "A-21 2-84", located Rt. of sta 637+77.
A-22	1424.17	Bench Mark, monumented with a USA - SCS brass cap in concrete, flush with ground surface, mkd. "A-22 2-84", located Rt. of sta 647+92.
A-23	1424.19	Bench Mark, monumented with a USA - SCS brass cap in concrete, 0.1 ft. below ground surface, mkd. "A-23 2-84", located Rt. of sta 657+97.
A-24	1424.37	Bench Mark, monumented with a USA - SCS brass cap in concrete, 0.3 ft. below ground surface, mkd. "A-24 2-84", located Rt. of sta 668+08.
A-25	1424.27	Bench Mark, monumented with a USA - SCS brass cap in concrete, 0.1 ft. below ground surface, mkd. "A-25 2-84", located Rt. of sta 678+32.



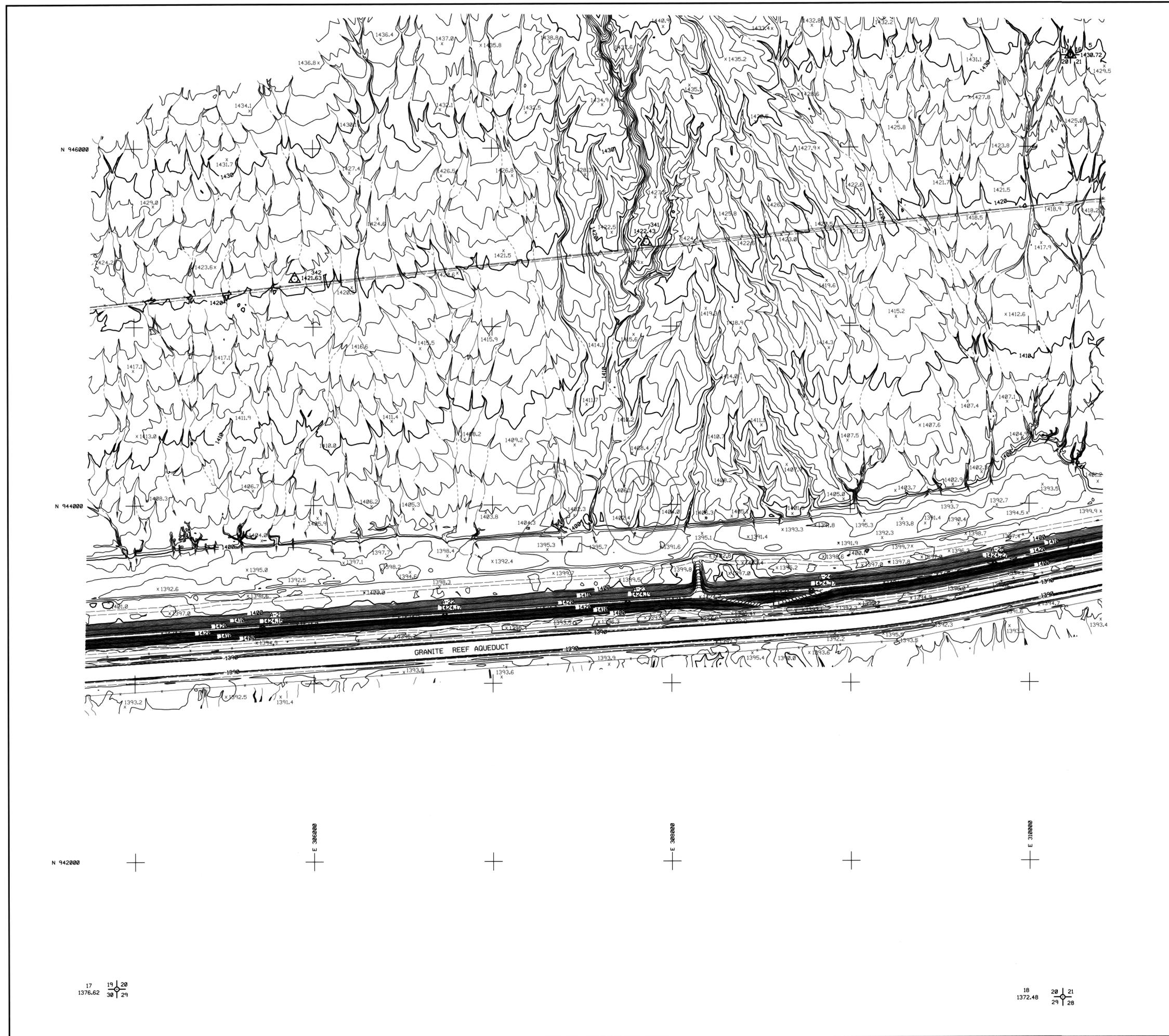
INDEX MAP

Map Sheet 8 represents Section 20, T3N, R9W



McLAIN AERIAL, INC.

DESIGN	BY	DATE	FLOOD CONTROL DISTRICT OF MARICOPA COUNTY
DESIGN CHK.	-	-	
PLANS	-	-	
PLANS CHK.	-	-	
SUBMITTED BY:	-	-	
RECOMMENDED BY: _____ DATE: _____			
APPROVED BY: _____ DATE: _____			
CHIEF ENGINEER AND GENERAL MANAGER			
SHEET 8 OF 27			



FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

HARQUAHALA
FRS & DIVERSION CHANNEL
F.C.D. CONTRACT NO. FCD 93-51

LEGEND

100-YR FLOODPLAIN BOUNDARY	---
FLOODWAY BOUNDARY	---
HYDRAULIC BASE LINE WITH RIVER MILE	M12.0 --- M13.0
CROSS SECTION	⊙ FP=100 Yr WSE ⊙ ⊙ FW=Floodway WSE ⊙
ELEVATION REFERENCE MARK	ERM3 X
BASE FLOOD ELEVATIONS	~ 1221
ZONE DESIGNATIONS	ZONE AE
CORPORATE LIMITS	Corporate Limits
COUNTY, PARISH, STATE OR INTERNATIONAL BOUNDARY	County Boundary

PRIMARY CONTROL POINTS

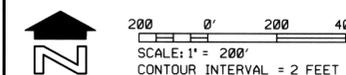
NOTE: ALL ELEVATIONS ARE BASED ON NAVD 88 (NORTH AMERICAN VERTICAL DATUM 1988)

I.D. NO.	ELEV. (FT)	DESCRIPTION/LOCATION
4	1445.24	Section cor. for sec's. 15, 16, 21 & 22, T. 3 N., R. 9 W., monumented with a 3 in. iron post 1.3 ft. above ground surface, firmly set with the GLO brass cap properly mkd.
5	1430.72	Section cor. for sec's. 16, 17, 20 & 21, T. 3 N., R. 9 W., monumented with a 2 in. iron post 0.6 ft. above ground surface, firmly set with the GLO brass cap properly mkd.
18	1372.48	Section cor. for sec's. 20, 21, 28 & 29, T. 3 N., R. 9 W., monumented with a 2 in. iron post 0.6 ft. above ground surface, firmly set with the GLO brass cap properly mkd.
21	1356.31	Section cor. for sec's. 21, 22, 27 & 28, T. 3 N., R. 9 W., monumented with a 2 in. iron post 0.6 ft. above ground surface, firmly set with the GLO brass cap properly mkd.
320	1422.60	Set 60d nail flush with ground surface, on top of Harquahala Structure located approximately 2588 ft. south and 651 ft. west from the NE corner of section 21, T. 3 N., R. 9 W.
332	1424.50	Set 60d nail flush with ground surface on top of Harquahala Structure located approximately 2845 ft. north and 621 ft. east from the SW corner of section 21, T. 3 N., R. 9 W.
A-26	1428.18	Bench Mark, monumented with a USA - SCS brass cap in concrete, 0.6 ft. below ground surface, mkd. "A-26 2-84", located Rt. of sta 688+40
A-27	1424.33	Bench Mark, monumented with a USA - SCS brass cap in concrete, 0.3 ft. below ground surface, mkd. "A-27 2-84", located Rt. of sta 698+42.
A-28	1424.54	Bench Mark, monumented with a USA - SCS brass cap in concrete, 0.3 ft. below ground surface, mkd. "A-28 2-84", located Rt. of sta 708+44.
A-29	1423.29	Bench Mark, monumented with a USA - SCS brass cap in concrete, 0.4 ft. below ground surface, mkd. "A-29 2-84", located Rt. of sta 718+47.
A-30	1422.06	Bench Mark, monumented with a USA - SCS brass cap in concrete, 0.6 ft. below ground surface, mkd. "A-30 2-84", located Rt. of sta 729+58.
A-31	1421.85	Bench Mark, monumented with a USA - SCS brass cap in concrete, 0.5 ft. below ground surface, mkd. "A-31 2-84", located Rt. of sta 737+36.

INDEX MAP

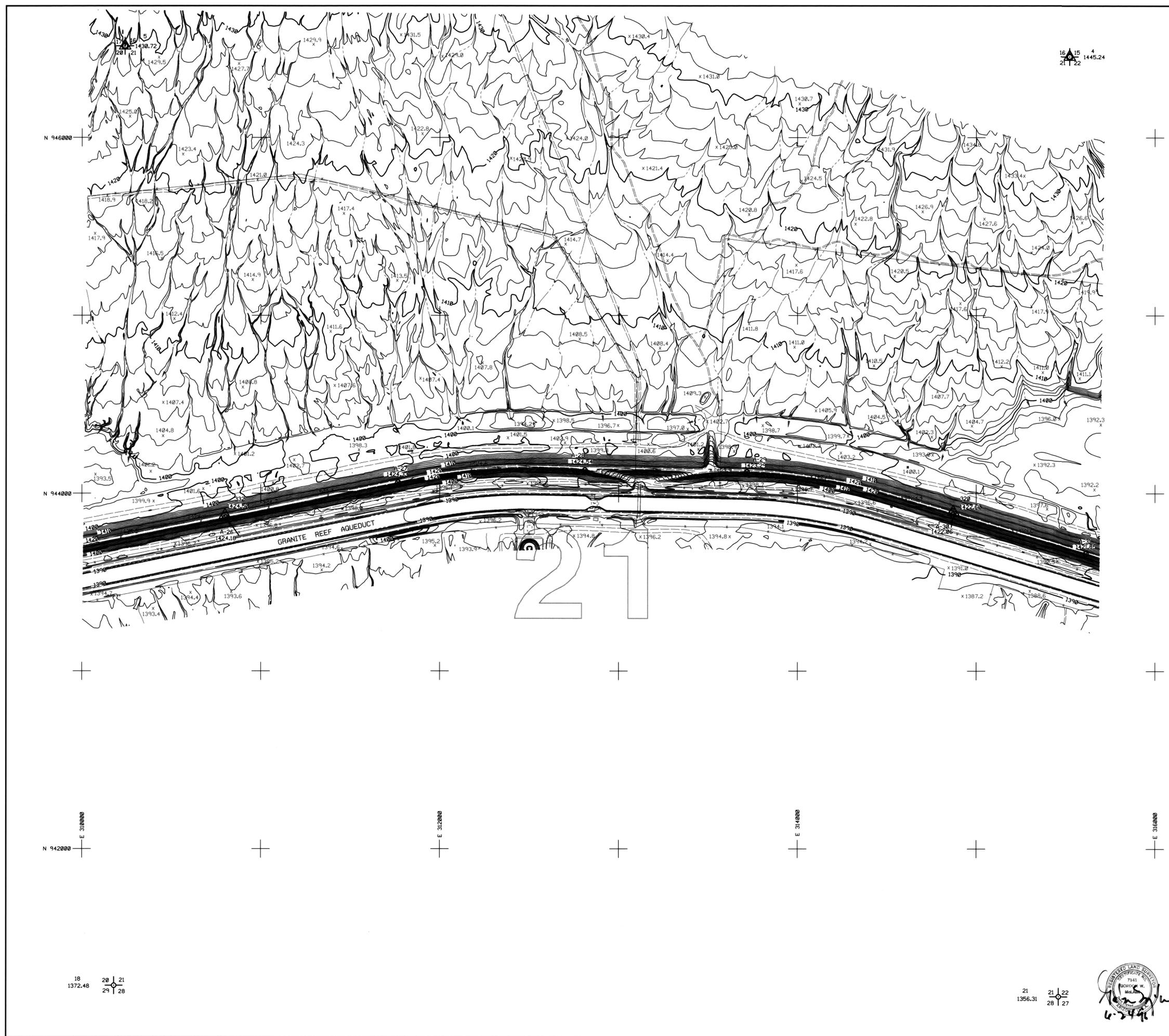
Map Sheet 9 represents Section 21, T3N, R9W

R 10 W			R 9 W			R 8 W		
15	14	13	19	20	21	22	23	24
22	23	24	26	25	30			
			T 3 N			T 2 N		
			36			31 32		
			2			1 6 5		
			11			12 7 8		
						17		



McLAIN AERIAL, INC.

DESIGN	BY	DATE	FLOOD CONTROL DISTRICT OF MARICOPA COUNTY
DESIGN CHK.	-	-	RECOMMENDED BY:
PLANS	-	-	APPROVED BY: DATE
PLANS CHK.	-	-	DATE
SUBMITTED BY:	DATE:		CHIEF ENGINEER AND GENERAL MANAGER
			SHEET 9 OF 27



THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS 1" = 200' HORIZONTAL SCALE AND 2' CONTOUR INTERVALS AND BASED ON GROUND CONTROL SURVEY DATA PROVIDED BY McLAIN AERIAL, INC.

SECTION 21
T 3 N, R 9 W

REV. DEC. 18, 1991

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

HARQUAHALA
FRS & DIVERSION CHANNEL
F.C.D. CONTRACT NO. FCD 93-51

LEGEND

100-YR FLOODPLAIN BOUNDARY	---
FLOODWAY BOUNDARY	---
HYDRAULIC BASE LINE WITH RIVER MILE	M12.0 --- M13.0
CROSS SECTION	
ELEVATION REFERENCE MARK	ERM3 X
BASE FLOOD ELEVATIONS	1221
ZONE DESIGNATIONS	ZONE AE
CORPORATE LIMITS	Corporate Limits
COUNTY, PARISH, STATE OR INTERNATIONAL BOUNDARY	County Boundary

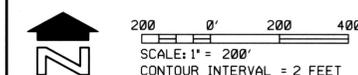
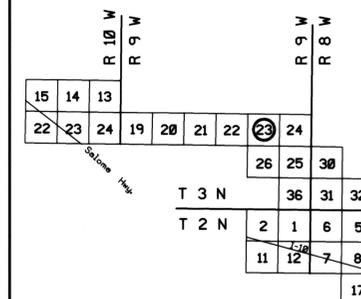
PRIMARY CONTROL POINTS

NOTE: ALL ELEVATIONS ARE BASED ON NAVD 88 (NORTH AMERICAN VERTICAL DATUM 1988)

I.D. NO.	ELEV. (FT)	DESCRIPTION/LOCATION
2	1423.89	Section cor. for sec's. 23, 24, 25 & 26, T. 3 N., R. 9 W., monumented with a 2 ins. iron post 1.0 ft. above ground surface, firmly set with the GLO brass cap properly mkd.
3	1403.31	Quarter cor. for sec's. 22 & 23, T. 3 N., R. 9 W., monumented with a 1 in. iron post 1.7 ft. above ground surface, firmly set with the GLO brass cap properly mkd.
22	1362.42	Section cor. for sec's. 22, 23, 26 & 27, T. 3 N., R. 9 W., monumented with a 2 ins. iron post 0.6 ft. above ground surface, firmly set with the GLO brass cap properly mkd.
314	1427.01	Set 1/2 x 18 ins. rebar flush with ground surface, located approximately 1173 ft. north and 1754 ft. west from the SE corner of section 23, T. 3 N., R. 9 W.
323	1423.00	Set 60d nail flush with ground surface on top of Harquahala Structure located approximately 1629 ft. north and 3450 ft. west from the SE corner of section 23, T. 3 N., R. 9 W.
324	1423.00	Set 60d nail flush with ground surface on top of Harquahala Structure located approximately 293 ft. north and 2127 ft. west of the SE cor. of sec. 23, T. 3 N., R. 9 W.
A-37	1422.24	Bench Mark, monumented with a USA - SCS brass cap in concrete, 0.4 ft. below ground surface, mkd. "A-37 2-84", located Rt. of sta 796+99.
A-38	1422.92	Bench Mark, monumented with a USA - SCS brass cap in concrete, 0.1 ft. below ground surface, mkd. "A-38 2-84", located Rt. of sta 808+46.
A-39	1422.61	Bench Mark, monumented with a USA - SCS brass cap in concrete, 0.4 ft. below ground surface, mkd. "A-39 2-84", located Rt. of sta 818+25.
A-40	1423.06	Bench Mark, monumented with a USA - SCS brass cap in concrete, 0.1 ft. below ground surface, mkd. "A-40 2-84", located Rt. of sta 827+22.

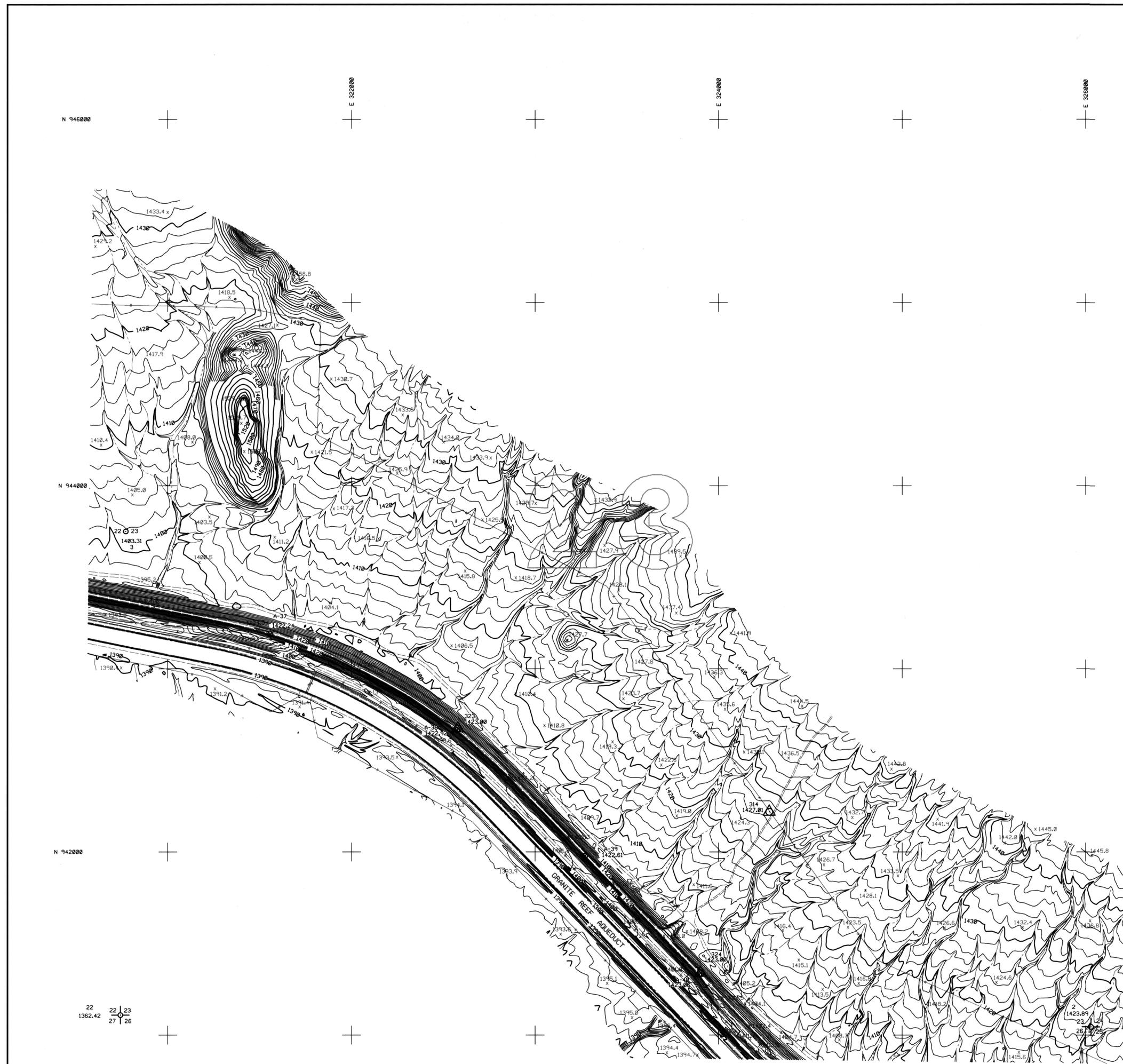
INDEX MAP

Map Sheet 11 represents Section 23, T3N, R9W



McLAIN AERIAL, INC.

DESIGN	BY	DATE	FLOOD CONTROL DISTRICT OF MARICOPA COUNTY
DESIGN CHK.	-	-	RECOMMENDED BY
PLANS	-	-	APPROVED BY
PLANS CHK.	-	-	DATE
SUBMITTED BY:	-	-	CHEF ENGINEER AND GENERAL MANAGER
DATE:	-	-	SHEET 11 OF 27



McLAIN AERIAL, INC.
AERIAL MAPPING & SURVEYING
PHOTO DATE 3-9-96.
THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS
1"=200' HORIZONTAL SCALE AND 2' CONTOUR INTERVALS AND BASED ON GROUND CONTROL SURVEY
DATA PROVIDED BY McLAIN AERIAL, INC.

SECTION 23
T 3 N, R 9 W
REV. DEC. 18, 1991

**FLOOD CONTROL DISTRICT
OF MARICOPA COUNTY**

HARQUAHALA
FRS & DIVERSION CHANNEL
F.C.D. CONTRACT NO. FCD 93-51

LEGEND

100-YR FLOODPLAIN BOUNDARY	—————
FLOODWAY BOUNDARY	—————
HYDRAULIC BASE LINE WITH RIVER MILE	M12.0 ——— M13.0
CROSS SECTION	(A) FP=100 Yr WSE (A) FW=Floodway WSE
ELEVATION REFERENCE MARK	ERM3 X
BASE FLOOD ELEVATIONS	~ 1221 ~
ZONE DESIGNATIONS	ZONE AE
CORPORATE LIMITS	Corporate Limits
COUNTY, PARISH, STATE OR INTERNATIONAL BOUNDARY	County Boundary

PRIMARY CONTROL POINTS

NOTE: ALL ELEVATIONS ARE BASED ON NAVD 88 (NORTH AMERICAN VERTICAL DATUM 1988)

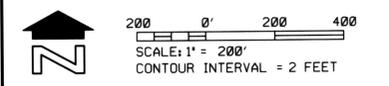
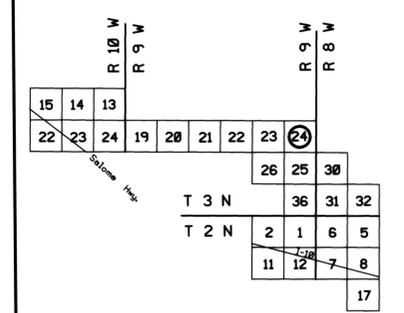
I.D. NO.	ELEV. (FT)	DESCRIPTION/LOCATION
2	1423.89	Section cor. for sec's. 23, 24, 25 & 26, T. 3 N., R. 9 W., monumented with a 2" dia. iron post 1.0 ft. above ground surface, firmly set with the GLO brass cap properly mkd.

NOTES



INDEX MAP

Map Sheet 12 represents Section 24, T3N, R9W



McLAIN AERIAL, INC.

DESIGN	BY	DATE	FLOOD CONTROL DISTRICT OF MARICOPA COUNTY
DESIGN CHK.	-	-	RECOMMENDED BY: DATE
PLANS	-	-	APPROVED BY: DATE
PLANS CHK.	-	-	CHIEF ENGINEER AND GENERAL MANAGER
SUBMITTED BY:	DATE:	SHEET	12 OF 27



**FLOOD CONTROL DISTRICT
OF MARICOPA COUNTY**

**HARQUAHALA
FRS & DIVERSION CHANNEL
F.C.D. CONTRACT NO. FCD 93-51**

LEGEND

- 100-YR FLOODPLAIN BOUNDARY
- FLOODWAY BOUNDARY
- HYDRAULIC BASE LINE WITH RIVER MILE
- CROSS SECTION
- ELEVATION REFERENCE MARK
- BASE FLOOD ELEVATIONS
- ZONE DESIGNATIONS
- CORPORATE LIMITS
- COUNTY, PARISH, STATE OR INTERNATIONAL BOUNDARY

PRIMARY CONTROL POINTS

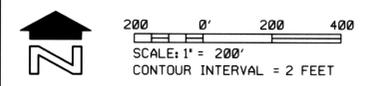
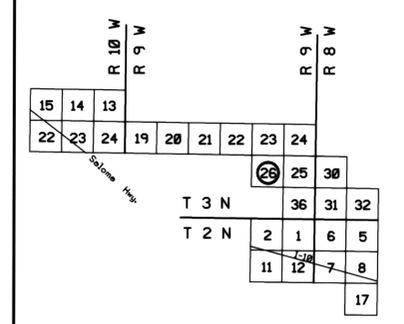
NOTE: ALL ELEVATIONS ARE BASED ON NAVD 88 (NORTH AMERICAN VERTICAL DATUM 1988)

I.D. NO.	ELEV. (FT)	DESCRIPTION/LOCATION
2	1423.89	Section cor. for sec's. 23, 24, 25 & 26, T. 3 N., R. 9 W., monumented with a 2 in. iron post 1.0 ft. above ground surface, firmly set with the GLO brass cap properly mkd.
22	1362.42	Section cor. for sec's. 22, 23, 26 & 27, T. 3 N., R. 9 W., monumented with a 2 in. iron post 0.5 ft. above ground surface, firmly set with the GLO brass cap properly mkd.
325	1422.90	Set 60d nail flush with ground surface on top of Harquahala Structure located approximately 830 ft. south and 456 ft. west from the NE corner of section 26, T. 3 N., R. 9 W.
A-41	1422.08	Bench Mark, monumented with a USDA - SCS brass cap in concrete, 0.5 ft. below ground surface, mkd. "A-41 2-84", located Rt. of sta 837+91
A-42	1422.59	Bench Mark, monumented with a USDA - SCS brass cap in concrete, 0.2 ft. below ground surface, mkd. "A-42 2-84", located Rt. of sta 847+76.



INDEX MAP

Map Sheet 13 represents Section 26, T3N, R9W



McLAIN AERIAL, INC.

DESIGN	BY	DATE	FLOOD CONTROL DISTRICT OF MARICOPA COUNTY
DESIGN CHK.	-	-	
PLANS	-	-	
PLANS CHK.	-	-	
SUBMITTED BY:	DATE		
RECOMMENDED BY:			DATE
APPROVED BY:			DATE
SHEET			CHIEF ENGINEER AND GENERAL MANAGER
13			OF 27

22
1362.42
27 | 23
26

N 940000

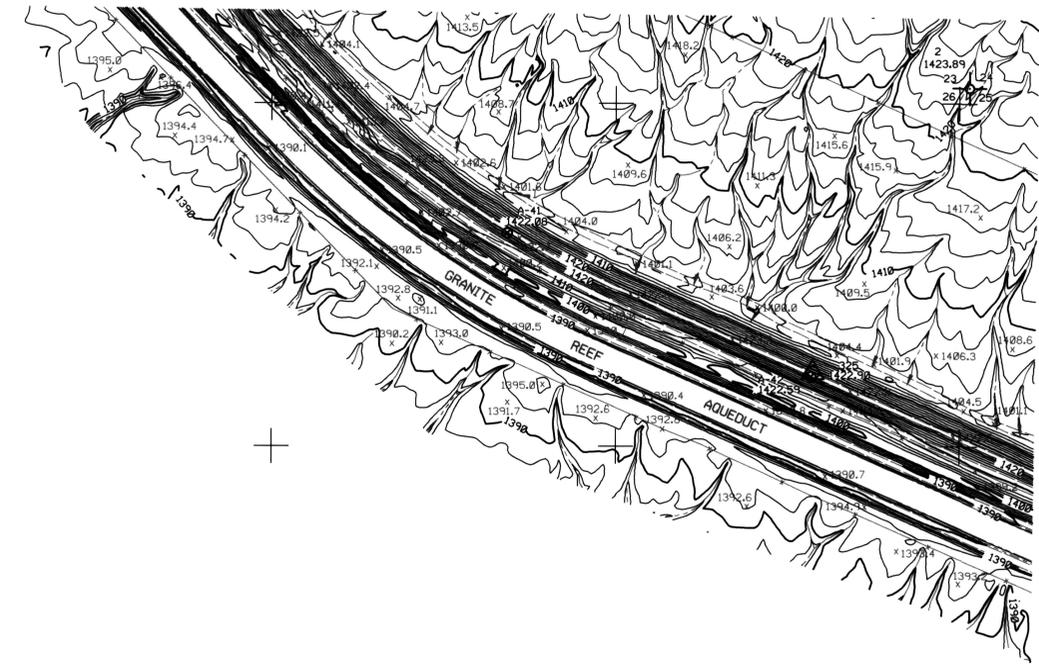
N 938000

E 322000

E 324000

E 326000

26



**FLOOD CONTROL DISTRICT
OF MARICOPA COUNTY**

**HARQUAHALA
FRS & DIVERSION CHANNEL
F.C.D. CONTRACT NO. FCD 93-51**

LEGEND

100-YR FLOODPLAIN BOUNDARY	---
FLOODWAY BOUNDARY	---
HYDRAULIC BASE LINE WITH RIVER MILE	M12.0 --- M13.0
CROSS SECTION	(A) FP=100 Yr WSE (A) FW=Floodway WSE
ELEVATION REFERENCE MARK	ERM3 X
BASE FLOOD ELEVATIONS	1221'
ZONE DESIGNATIONS	ZONE AE
CORPORATE LIMITS	Corporate Limits
COUNTY, PARISH, STATE OR INTERNATIONAL BOUNDARY	County Boundary

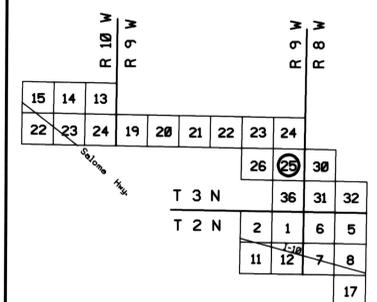
PRIMARY CONTROL POINTS

NOTE: ALL ELEVATIONS ARE BASED ON NAVD 88 (NORTH AMERICAN VERTICAL DATUM 1988)

I.D. NO.	ELEV. (FT)	DESCRIPTION/LOCATION
2	1423.89	Section cor. for sec's. 23, 24, 25 & 26, T. 3 N., R. 9 W., monumented with a 2 in. iron post 1.0 ft. above ground surface, firmly set with the GLO brass cap properly mkd.
11	1351.60	Section cor. for sec's. 25, 30, 31 & 36, T. 3 N., R. 8 & 9 W., monumented with a 2 in. iron post 0.8 ft. above ground surface, firmly set with the GLO brass cap properly mkd.
311	1414.31	Set 60d nail flush with ground surface, located approximately 3423 ft. north and 1599 ft. west from the SE corner of section 25, T. 3 N., R. 9 W.
312	1434.33	Set 1/2 x 18 in. rebar flush with ground surface, located approximately 331 ft. south and 1643 ft. east from the NW corner of section 25, T. 3 N., R. 9 W.
376	1347.01	Set 1/2 x 18 in. rebar flush with ground surface, located approximately 85 ft. north and 1163 ft. west from the SE corner of section 25, T. 3 N., R. 9 W.
A-43	1422.31	Bench Mark, monumented with a USA - SCS brass cap in concrete, 0.2 ft. below ground surface, mkd. "A-43 2-84", located Rt. of sta 857+54.
A-44	1422.38	Bench Mark, monumented with a USA - SCS brass cap in concrete, 0.4 ft. below ground surface, mkd. "A-44 2-84", located Rt. of sta 861+87.
A-45	1422.26	Bench Mark, monumented with a USA - SCS brass cap in concrete, 0.3 ft. below ground surface, mkd. "A-45 2-84", located Rt. of sta 877+95.
A-46	1422.30	Bench Mark, monumented with a USA - SCS brass cap in concrete, 0.3 ft. below ground surface, mkd. "A-46 2-84", located Rt. of sta 887+65.
A-47	1422.10	Bench Mark, monumented with a USA - SCS brass cap in concrete, 0.4 ft. below ground surface, mkd. "A-47 2-84", located Rt. of sta 897+33.
A-48	1422.30	Bench Mark, monumented with a USA - SCS brass cap in concrete, 0.4 ft. below ground surface, mkd. "A-48 2-84", located Rt. of sta 907+89.

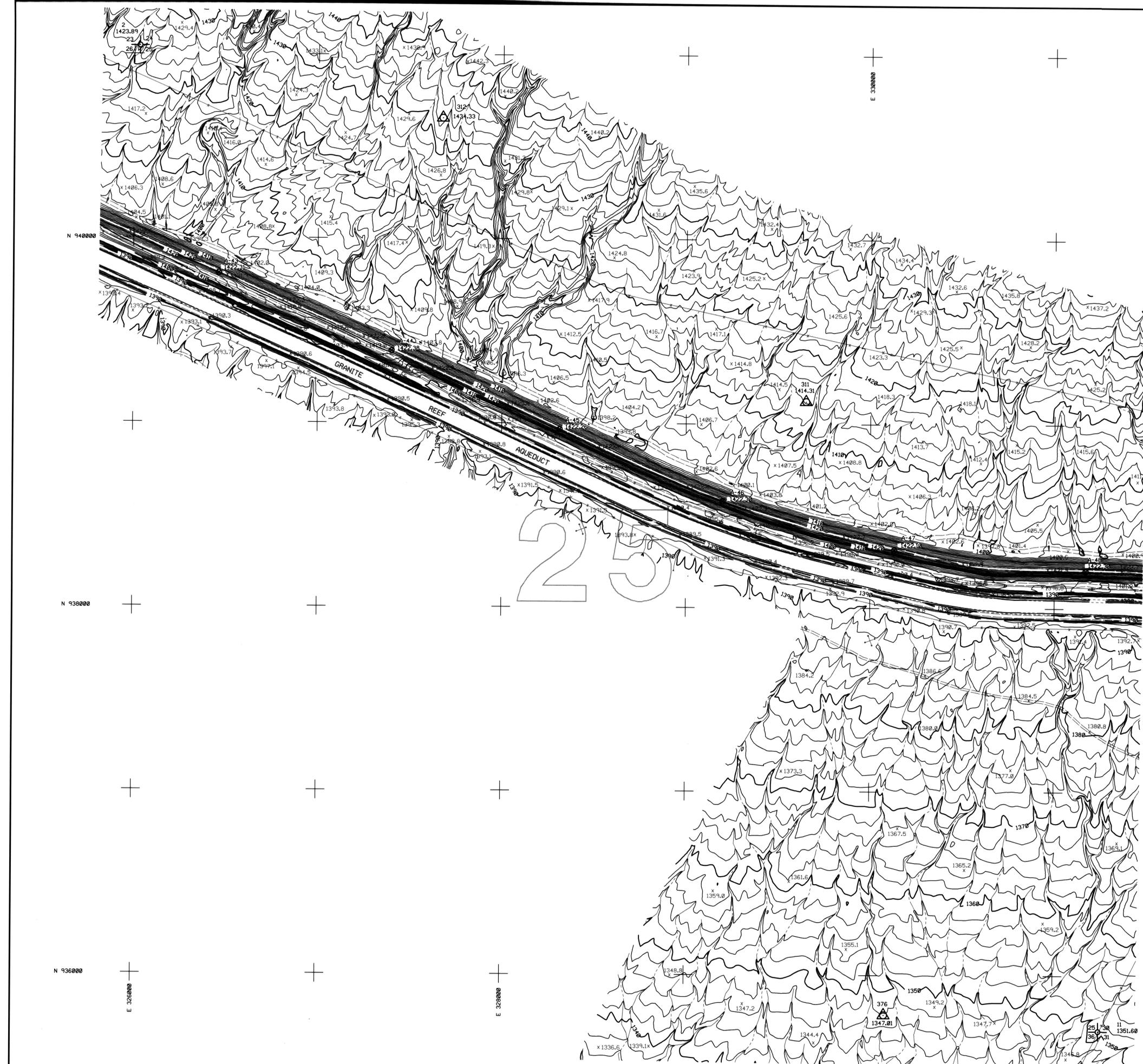
INDEX MAP

Map Sheet 14 represents Section 25, T3N, R9W



McLAIN AERIAL, INC.

DESIGN	BY	DATE	FLOOD CONTROL DISTRICT OF MARICOPA COUNTY
DESIGN CHK.	-	-	RECOMMENDED BY:
PLANS	-	-	APPROVED BY: DATE
PLANS CHK.	-	-	CHIEF ENGINEER AND GENERAL MANAGER
SUBMITTED BY:		DATE:	SHEET 14 OF 27



MCLAIN AERIAL, INC. AERIAL MAPPING & SURVEYING PHOTO DATE 3-9-96 THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS 1"=200' HORIZONTAL SCALE AND 2' CONTOUR INTERVALS AND BASED ON GROUND CONTROL SURVEY DATA PROVIDED BY MCLAIN AERIAL, INC.

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

HARQUAHALA
FRS & DIVERSION CHANNEL
F.C.D. CONTRACT NO. FCD 93-51

LEGEND

100-YR FLOODPLAIN BOUNDARY	---
FLOODWAY BOUNDARY	---
HYDRAULIC BASE LINE WITH RIVER MILE	M12.0 --- M13.0
CROSS SECTION	(A) FP=100 Yr WSE (A) FW=Floodway WSE
ELEVATION REFERENCE MARK	ERM3 X
BASE FLOOD ELEVATIONS	1221
ZONE DESIGNATIONS	ZONE AE
CORPORATE LIMITS	Corporate Limits
COUNTY, PARISH, STATE OR INTERNATIONAL BOUNDARY	County Boundary

PRIMARY CONTROL POINTS

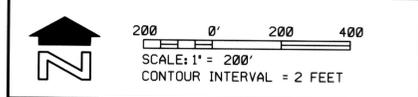
NOTE: ALL ELEVATIONS ARE BASED ON NAVD 88 (NORTH AMERICAN VERTICAL DATUM 1988)

I.D. NO.	ELEV. (FT)	DESCRIPTION/LOCATION
1	1411.30	Section cor. for sec's. 29, 30, 31 & 32, T. 3 N., R. 8 W., monumented with a 2 ins. iron post 0.9 ft. above ground surface, firmly set with the BLM brass cap properly mkd.
11	1351.60	Section cor. for sec's. 25, 30, 31 & 36, T. 3 N., Rs. 8 & 9 W., monumented with a 2 ins. iron post 0.8 ft. above ground surface, firmly set with the GLO brass cap properly mkd.
213	1399.59	Bench Mark, monumented with a USA - SCS brass cap in concrete, flush with ground surface, mkd. "B-50 2-84", located Rt. of sta 928+83.
309	1446.77	Set 1/2 x 18 ins. rebar flush with ground surface, located approximately 3810 ft. north and 1049 ft. east from the SW corner of section 30, T. 3 N., R. 8 W.
328	1422.20	Set 60d nail flush with ground surface on top of Harquahala Structure located approximately 2300 ft. north and 927 ft. east from the SW corner of section 30, T. 3 N., R. 8 W.
A-48	1422.30	Bench Mark, monumented with a USA - SCS brass cap in concrete, 0.4 ft. below ground surface, mkd. "A-48 2-84", located Rt. of sta 907+89.
A-49	1421.88	Bench Mark, monumented with a USA - SCS brass cap in concrete, 0.4 ft. below ground surface, mkd. "A-49 2-84", located Rt. of sta 917+96.
A-50	1421.91	Bench Mark, monumented with a USA - SCS brass cap in concrete, 0.5 ft. below ground surface, mkd. "A-50 2-84", located Rt. of sta 928+83.
A-51	1421.62	Bench Mark, monumented with a USA - SCS brass cap in concrete, 0.4 ft. below ground surface, mkd. "A-51 2-84", located Rt. of sta 930+19.
A-52	1421.32	Bench Mark, monumented with a USA - SCS brass cap in concrete, 0.6 ft. below ground surface, mkd. "A-52 2-84", located Rt. of sta 948+66.
A-53	1421.43	Bench Mark, monumented with a USA - SCS brass cap in concrete, 0.7 ft. below ground surface, mkd. "A-53 2-84", located Rt. of sta 958+35.

INDEX MAP

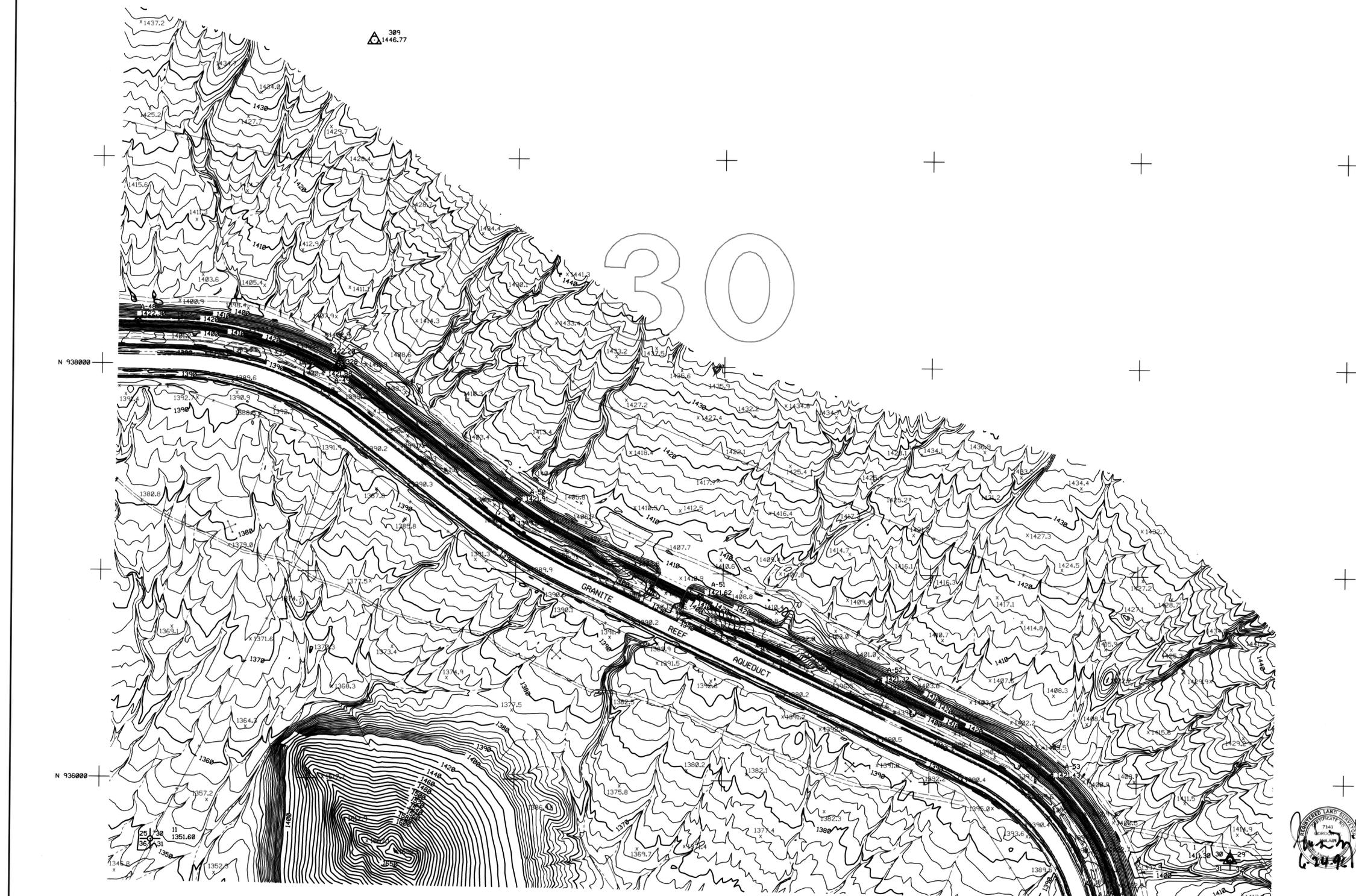
Map Sheet 15 represents Section 30, T3N, R8W

R 10 W			R 9 W			R 8 W		
15	14	13	19	20	21	22	23	24
22	23	24	19	20	21	22	23	24
T 3 N			T 3 N			T 2 N		
			36	31	32			
			2	1	6	5		
			11	12	7	8		
						17		



McLAIN AERIAL, INC.

DESIGN	BY	DATE	FLOOD CONTROL DISTRICT OF MARICOPA COUNTY
DESIGN CHK.	-	-	RECOMMENDED BY: DATE
PLANS	-	-	APPROVED BY: DATE
PLANS CHK.	-	-	DATE
SUBMITTED BY:	DATE:	CHEF ENGINEER AND GENERAL MANAGER	SHEET 15 OF 27



McLAIN AERIAL, INC.
AERIAL MAPPING & SURVEYING
PHOTO DATE 3-9-95

THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS
1"=200' HORIZONTAL SCALE AND 2' CONTOUR INTERVALS AND BASED ON GROUND CONTROL SURVEY
DATA PROVIDED BY McLain Aerial, Inc.

ADP/MB REV. DEC. 08, 1991

**FLOOD CONTROL DISTRICT
OF MARICOPA COUNTY**

**HARQUAHALA
FRS & DIVERSION CHANNEL
F.C.D. CONTRACT NO. FCD 93-51**

LEGEND

100-YR FLOODPLAIN BOUNDARY	---
FLOODWAY BOUNDARY	---
HYDRAULIC BASE LINE WITH RIVER MILE	M12.0 --- M13.0
CROSS SECTION	(A) FP=100 Yr WSE (A) FW=Floodway WSE
ELEVATION REFERENCE MARK	ERM3 X
BASE FLOOD ELEVATIONS	~1221
ZONE DESIGNATIONS	ZONE AE
CORPORATE LIMITS	Corporate Limits
COUNTY, PARISH, STATE OR INTERNATIONAL BOUNDARY	County Boundary

PRIMARY CONTROL POINTS

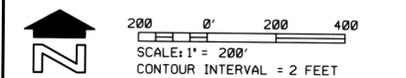
NOTE: ALL ELEVATIONS ARE BASED ON NAVD 88 (NORTH AMERICAN VERTICAL DATUM 1988)

I.D. NO.	ELEV. (FT)	DESCRIPTION/LOCATION
1	1411.30	Section cor. for sec's. 29, 30, 31 & 32, T. 3 N., R. 8 W., monumented with a 2 ins. iron post 0.9 ft. above ground surface, firmly set with the BLM brass cap properly mkd.
8	1287.14	Township cor. for Tps. 2 & 3 N., Rs. 8 & 9 W., monumented with a 3 ins. iron post 0.7 ft. above ground surface, firmly set with the GLO brass cap properly mkd. (Also sec's. 1, 6, 31 & 36)
10	1312.64	Quarter cor. for sec's. 31 & 36, T. 3 N., Rs. 8 & 9 W., monumented with 1 in. iron post 0.7 ft. above ground surface, firmly set with the GLO brass cap properly mkd.
11	1351.60	Section cor. for sec's. 25, 30, 31 & 36, T. 3 N., Rs. 8 & 9 W., monumented with a 2 ins. iron post 0.8 ft. above ground surface, firmly set with the GLO brass cap properly mkd.
19	1356.68	Section cor. for sec's. 5, 6, 31 & 32, Tps. 2 & 3 N., R. 8 W., monumented with a 2 ins. iron post 1.1 ft. above ground surface, firmly set with the GLO brass cap properly mkd.
374	1312.20	Set 1/2 x 18 ins. rebar flush with ground surface located approximately 1893 ft. north and 859 ft. east from the SW corner of section 31, T. 3 N., R. 8 W..
375	1344.51	Set 1/2 x 18 ins. rebar flush with ground surface located approximately 4076 ft. north and 1481 ft. east from the SW corner of section 31, T. 3 N., R. 8 W..
A-54	1421.78	Bench Mark, monumented with a USDA - SCS brass cap in concrete, 0.3 ft. below ground surface, mkd. "A-54 2-84", located Rt. of sta 970+87.
A-55	1421.37	Bench Mark, monumented with a USDA - SCS brass cap in concrete, 0.5 ft. below ground surface, mkd. "A-55 2-84", located Rt. of sta 979+47.

INDEX MAP

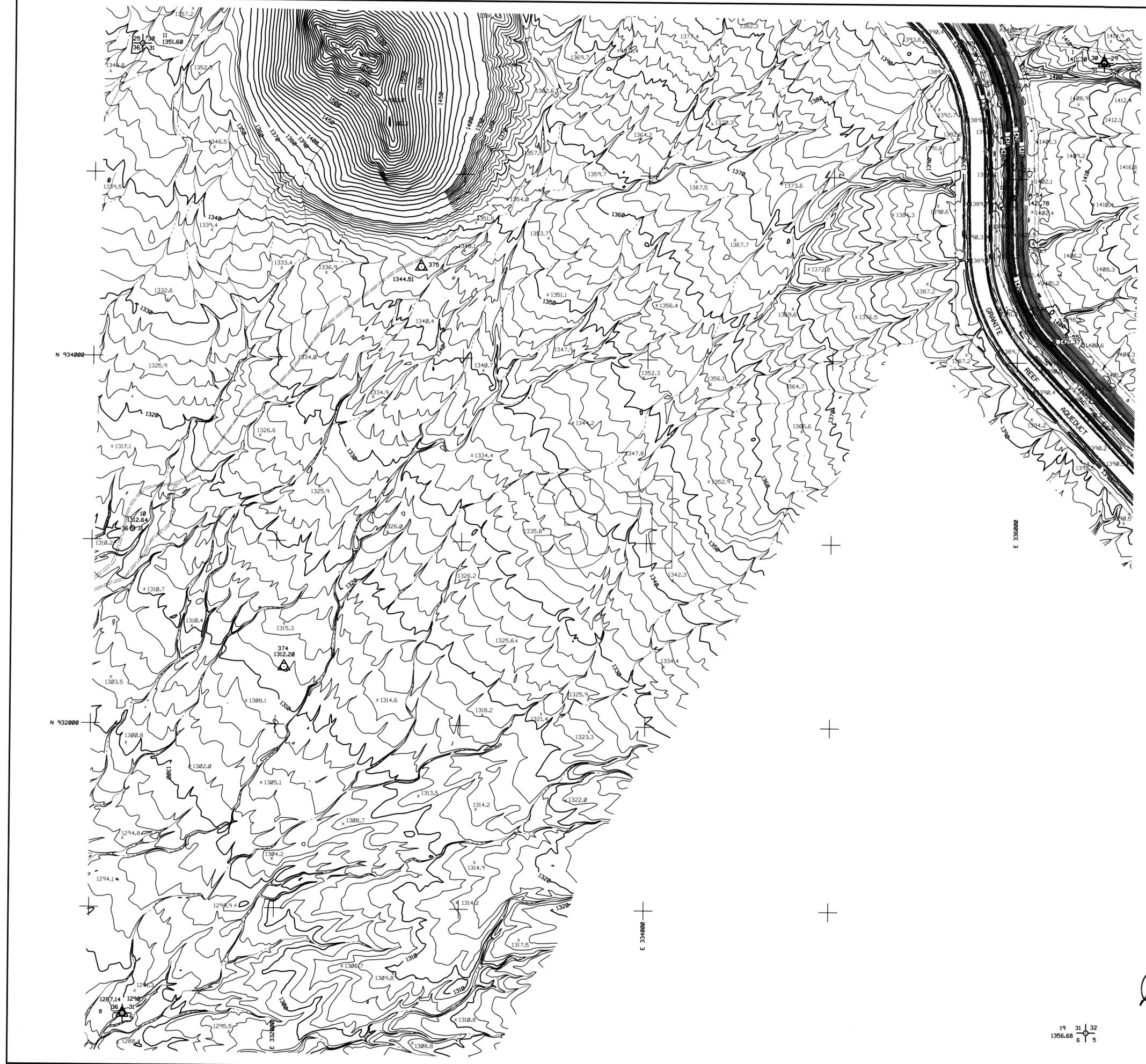
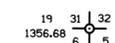
Map Sheet 17 represents Section 31, T3N, R8W

R 10 W			R 9 W			R 8 W		
15	14	13	19	20	21	22	23	24
22	23	24	26	25	30			
			T 3 N			T 2 N		
			36			32		
			2			1 6 5		
			11			12 7 8		
						17		



McLAIN AERIAL, INC.

DESIGN	BY	DATE	FLOOD CONTROL DISTRICT OF MARICOPA COUNTY
DESIGN CHK.	-	-	RECOMMENDED BY: DATE
PLANS	-	-	APPROVED BY: DATE
PLANS CHK.	-	-	DATE
SUBMITTED BY:	DATE:		CHEF ENGINEER AND GENERAL MANAGER SHEET 17 OF 27



McLAIN AERIAL, INC. AERIAL MAPPING & SURVEYING PHOTO DATE 3-9-96 & 3-16-96
 THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS 1"=200' HORIZONTAL SCALE AND 2" CONTOUR INTERVALS AND BASED ON GROUND CONTROL SURVEY DATA PROVIDED BY McLain Aerial, Inc.

SECTION 31
T 3 N, R 8 W

AD-488 RE-DEC. 06, 1991

**FLOOD CONTROL DISTRICT
OF MARICOPA COUNTY**

**HARQUAHALA
FRS & DIVERSION CHANNEL
F.C.D. CONTRACT NO. FCD 93-51**

LEGEND

- 100-YR FLOODPLAIN BOUNDARY
- FLOODWAY BOUNDARY
- HYDRAULIC BASE LINE WITH RIVER MILE
- CROSS SECTION
- ELEVATION REFERENCE MARK
- BASE FLOOD ELEVATIONS
- ZONE DESIGNATIONS
- CORPORATE LIMITS
- COUNTY, PARISH, STATE OR INTERNATIONAL BOUNDARY

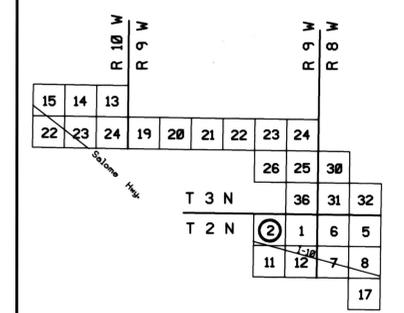
PRIMARY CONTROL POINTS

NOTE: ALL ELEVATIONS ARE BASED ON NAVD 88 (NORTH AMERICAN VERTICAL DATUM 1988)

I.D. NO.	ELEV. (FT)	DESCRIPTION/LOCATION
6	1222.16	Section cor. for sec's. 1, 2, 11 & 12, T. 2 N., R. 9 W., monumented with a 2 in. iron post 0.9 ft. above ground surface, firmly set with the GLO brass cap properly mkd.
7	1257.34	Section cor. for sec's. 1, 2, 35 & 36, Tps. 2 & 3 N., R. 9 W., monumented with a 2 in. iron post 0.5 ft. above ground surface, firmly set with the GLO brass cap properly mkd.
359	1219.51	Set 1/2 x 18 in. rebar flush with ground surface located approximately 400 ft. north and 2387 ft. west from the SE corner of section 2, T. 2 N., R. 9 W..
361	1233.55	Set 60d nail flush with ground surface located approximately 3143 ft. south and 274 ft. west from the NE corner of section 2, T. 2 N., R. 9 W..

INDEX MAP

Map Sheet 19 represents Section 2, T2N, R9W



McLAIN AERIAL, INC.

DESIGN	BY	DATE	FLOOD CONTROL DISTRICT OF MARICOPA COUNTY
DESIGN CHK.	-	-	
PLANS	-	-	
PLANS CHK.	-	-	
SUBMITTED BY:	-	-	
			RECOMMENDED BY: _____ DATE _____
			APPROVED BY: _____ DATE _____
			CHEF ENGINEER AND GENERAL MANAGER
			SHEET 19 OF 27

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

HARQUAHALA
FRS & DIVERSION CHANNEL
F.C.D. CONTRACT NO. FCD 93-51

LEGEND

100-YR FLOODPLAIN BOUNDARY	---
FLOODWAY BOUNDARY	---
HYDRAULIC BASE LINE WITH RIVER MILE	M2.0 --- M3.0
CROSS SECTION	(A) FP=100 Yr WSE (A) FW=Floodway WSE
ELEVATION REFERENCE MARK	ERM3 X
BASE FLOOD ELEVATIONS	1221
ZONE DESIGNATIONS	ZONE AE
CORPORATE LIMITS	Corporate Limits
COUNTY, PARISH, STATE OR INTERNATIONAL BOUNDARY	County Boundary

PRIMARY CONTROL POINTS

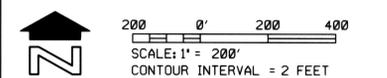
NOTE: ALL ELEVATIONS ARE BASED ON NAVD 88 (NORTH AMERICAN VERTICAL DATUM 1988)

I.D. NO.	ELEV. (FT)	DESCRIPTION/LOCATION
6	1222.16	Section cor. for sec's. 1, 2, 11 & 12, T. 2 N., R. 9 W., monumented with a 2 in. iron post 0.9 ft. above ground surface, firmly set with the GLO brass cap properly mkd.
7	1257.34	Section cor. for Tps. 2 & 3 N., R. 9 W., monumented with a 2 in. iron post 0.5 ft. above ground surface, firmly set with the GLO brass cap properly mkd.
8	1287.14	Township cor. for Tps. 2 & 3 N., Rs. 8 & 9 W., monumented with a 3 in. iron post 0.7 ft. above ground surface, firmly set with the GLO brass cap properly mkd. (Also sec's. 1, 6, 31 & 36)
9	1278.99	Quarter cor. for sec's. 1 & 6, T. 2 N., Rs. 8 & 9 W., monumented with a 1 in. iron post 1.0 ft. above ground surface, firmly set with the GLO brass cap properly mkd.
361	1233.55	Set 60d nail flush with ground surface located approximately 3143 ft. south and 274 ft. west from the NE corner of section 2, T. 2 N., R. 9 W.
362	1260.01	Set 60d nail flush with ground surface located approximately 385 ft. south and 1685 ft. east from the NW corner of section 1, T. 2 N., R. 9 W.
367	1236.36	Set 1/2 x 18 in. rear flush with ground surface located approximately 407 ft. north and 2646 ft. east from the SW corner of section 1, T. 2 N., R. 9 W.
371	1270.12	Set 60d nail flush with ground surface located approximately 2184 ft. south and 958 ft. west of the NE corner from section 1, T. 2 N., R. 9 W.

INDEX MAP

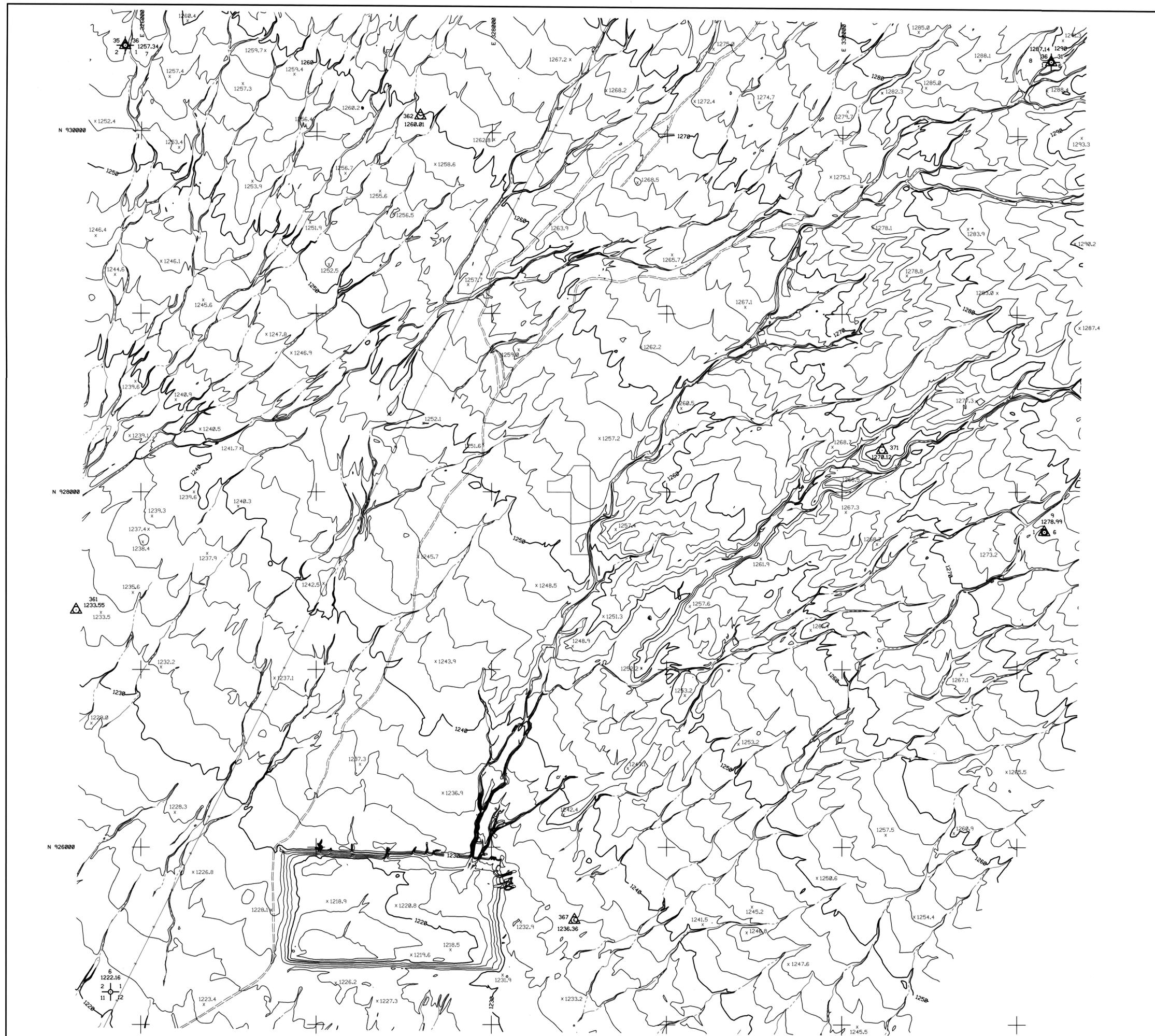
Map Sheet 20 represents Section 1, T2N, R9W

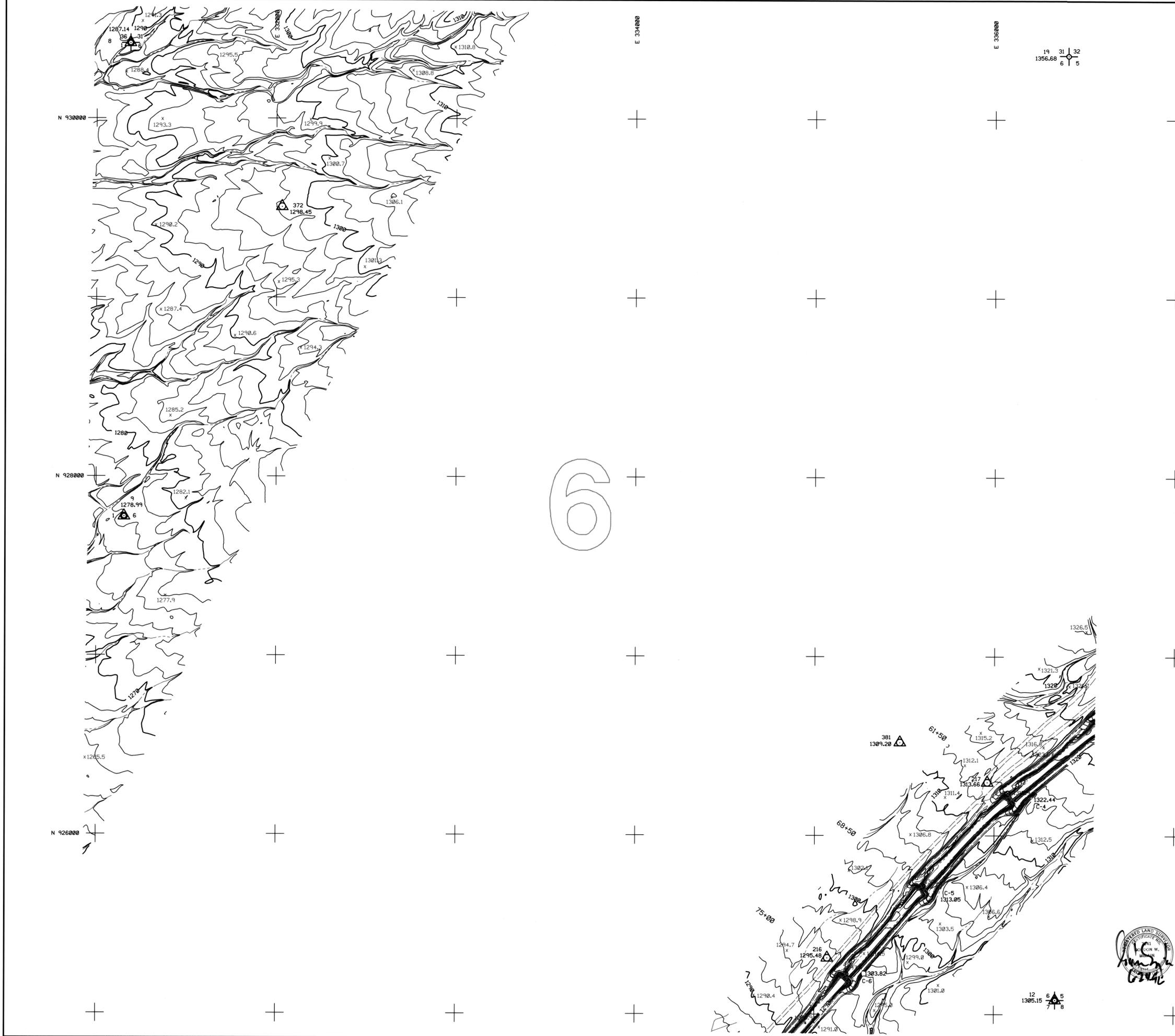
R 10 W			R 9 W			R 8 W		
15	14	13	19	20	21	22	23	24
22	23	24	26	25	30			
			T 3 N			36 31 32		
			T 2 N			2 ① 6 5		
			11 12 7 8					
						17		



McLAIN AERIAL, INC.

DESIGN	BY	DATE	FLOOD CONTROL DISTRICT
DESIGN CHK.	-	-	OF MARICOPA COUNTY
PLANS	-	-	RECOMMENDED BY: DATE
PLANS CHK.	-	-	APPROVED BY: DATE
SUBMITTED BY:	-	-	CHEF ENGINEER AND GENERAL MANAGER
DATE:	-	-	SHEET 20 of 27





**FLOOD CONTROL DISTRICT
OF MARICOPA COUNTY**
HARQUAHALA
FRS & DIVERSION CHANNEL
F.C.D. CONTRACT NO. FCD 93-51

LEGEND

100-YR FLOODPLAIN BOUNDARY	---
FLOODWAY BOUNDARY	---
HYDRAULIC BASE LINE WITH RIVER MILE	M12.0 --- M13.0
CROSS SECTION	(A) FP=100 Yr WSE (A) FW=Floodway WSE
ELEVATION REFERENCE MARK	ERM3 X
BASE FLOOD ELEVATIONS	1221
ZONE DESIGNATIONS	ZONE AE
CORPORATE LIMITS	Corporate Limits
COUNTY, PARISH, STATE OR INTERNATIONAL BOUNDARY	County Boundary

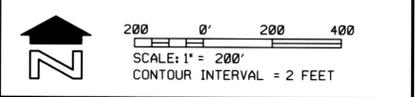
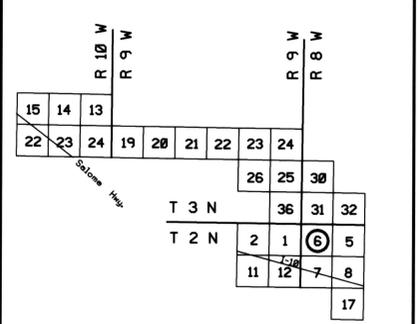
PRIMARY CONTROL POINTS

NOTE: ALL ELEVATIONS ARE BASED ON NAVD 88 (NORTH AMERICAN VERTICAL DATUM 1988)

I.D. NO.	ELEV. (FT)	DESCRIPTION/LOCATION
8	1287.14	Township cor. for Tps. 2 & 3 N., Rs. 8 & 9 W., monumented with a 3 in. iron post 0.7 ft. above ground surface, firmly set with the GLD brass cap properly mkd. (Also sec's. 1, 6, 31 & 36)
9	1278.99	Quarter cor. for sec's. 1 & 6, T. 2 N., Rs. 8 & 9 W., monumented with a 1 in. iron post 1.0 ft. above ground surface, firmly set with the GLD brass cap properly mkd.
12	1305.15	Section cor. for sec's. 5, 6, 7 & 8, T. 2 N., R. 8 W., monumented with a 2 in. iron post 0.9 ft. above ground surface, firmly set with the GLD brass cap properly mkd.
19	1356.68	Section cor. for sec's. 5, 6, 31 & 32, Tps. 2 & 3 N., R. 8 W., monumented with a 2 in. iron post 1.1 ft. above ground surface, firmly set with the GLD brass cap properly mkd.
216	1295.48	Bench Mark, monumented with a USDI brass cap set in concrete, flush with ground surface, mkd. "C-REF 150.00 FT 75+00", located approximately 235 ft. north and 1269 ft. west from the SE corner of section 6, T. 2 N., R. 8 W..
217	1313.66	Bench Mark, monumented with a USDI brass cap set in concrete, flush with ground surface, mkd. "C-REF 150.00 FT 62+00.01", located approximately 1217 ft. north and 379 ft. west from the SE corner of section 6, T. 2 N., R. 8 W..
372	1298.45	Set 1/2 x 18 in. rebar flush with ground surface located approximately 913 ft. south and 844 ft. east from the NW corner of section 6, T. 2 N., R. 8 W..
381	1309.20	Set 60d nail flush with ground surface located approximately 1441 ft. north and 867 ft. west from the SE corner of section 6, T. 2 N., R. 8 W..
C-4	1322.44	Bench Mark, monumented with a USDI - SCS brass cap in concrete headwall of drop str., mkd. "C-4 1-84", at Sta. 61+50.
C-5	1313.05	Bench Mark, monumented with a USDI brass cap in concrete headwall of drop str., mkd. "C-5", at Sta. 68+50.
C-6	1303.82	Bench Mark, monumented with a USDI - SCS brass cap in concrete headwall of drop str., mkd. "C-6 1-84", at Sta. 75+00.

INDEX MAP

Map Sheet 21 represents Section 6, T2N, R8W



McLAIN AERIAL, INC.

DESIGN	BY	DATE	FLOOD CONTROL DISTRICT
DESIGN CHK.	-	-	OF MARICOPA COUNTY
PLANS	-	-	RECOMMENDED BY
PLANS CHK.	-	-	APPROVED BY
SUBMITTED BY:	DATE	CHEF ENGINEER AND GENERAL MANAGER	DATE
		SHEET	21 OF 27

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

HARQUAHALA
FRS & DIVERSION CHANNEL
F.C.D. CONTRACT NO. FCD 93-51

LEGEND

100-YR FLOODPLAIN BOUNDARY	—
FLOODWAY BOUNDARY	—
HYDRAULIC BASE LINE WITH RIVER MILE	M12.0 — M13.0
CROSS SECTION	△ FP=100 Yr WSE △ FW=Floodway WSE
ELEVATION REFERENCE MARK	ERM3 X
BASE FLOOD ELEVATIONS	~ 1221 ~
ZONE DESIGNATIONS	ZONE AE
CORPORATE LIMITS	Corporate Limits
COUNTY, PARISH, STATE OR INTERNATIONAL BOUNDARY	County Boundary

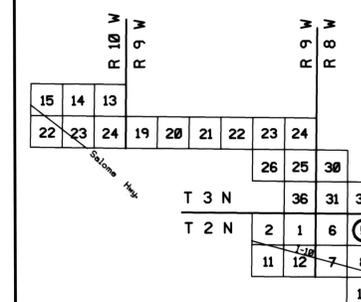
PRIMARY CONTROL POINTS

NOTE: ALL ELEVATIONS ARE BASED ON NAVD 88 (NORTH AMERICAN VERTICAL DATUM 1988)

I.D. NO.	ELEV. (FT)	DESCRIPTION/LOCATION
12	1305.15	Section cor. for sec's. 5, 6, 7 & 8, T. 2 N., R. 8 W., monumented with a 2 in. iron post 0.9 ft. above ground surface, firmly set with the G.D. brass cap properly mtd.
19	1356.68	Section cor. for sec's. 5, 6, 31 & 32, Tpe. 2 & 3 N., R. 8 W., monumented with a 2 in. iron post 1.1 ft. above ground surface, firmly set with the G.D. brass cap properly mtd.
20	1386.94	Quarter cor. for sec's. 5 & 32, Tpe. 2 & 3 N., R. 8 W., monumented with a 1 in. iron post 1.0 ft. above ground surface, firmly set with the G.D. brass cap properly mtd.
200	1443.90	Bench Mark monumented with USDA - SCS brass cap in rock outcrop, flush with ground surface, mtd. "BURNIT 84", located approximately 1863 ft. south and 4351 ft. east from the NW corner of sec. 5, T. 2 N., R. 8 W.
212	1371.13	Bench Mark, monumented with a USDI brass cap in concrete, flush with ground surface, mtd. "C-REF 150-00 FT RT H.W. PG 21+50", located approximately 3900 ft. north and 2695 ft. east from the SW corner of section 5, T. 2 N., R. 8 W.
302	1423.26	Set 60d nail flush with ground surface on top of Harquahala structure located approximately 1769 ft. south and 4200 ft. east from the NW corner of section 5, T. 2 N., R. 8 W.
382	1382.19	Set 1/2 x 18 in. rebar flush with ground surface located approximately 4744 ft. north and 3070 ft. east from the SW corner of section 5, T. 2 N., R. 8 W.
383	1331.36	Set 1/2 x 18 in. rebar flush with ground surface located approximately 1839 ft. north and 936 ft. east from the SW corner of section 5, T. 2 N., R. 8 W.
A-61	1421.19	Bench Mark, monumented with a USDA - SCS brass cap in concrete, 0.6 ft. below ground surface, mtd. "A-61 2-84", located Rt. of sta 1040+19.
A-62	1421.52	Bench Mark, monumented with a USDA - SCS brass cap in concrete, 0.2 ft. below ground surface, mtd. "A-62 2-84", located Rt. of sta 1049+91.

INDEX MAP

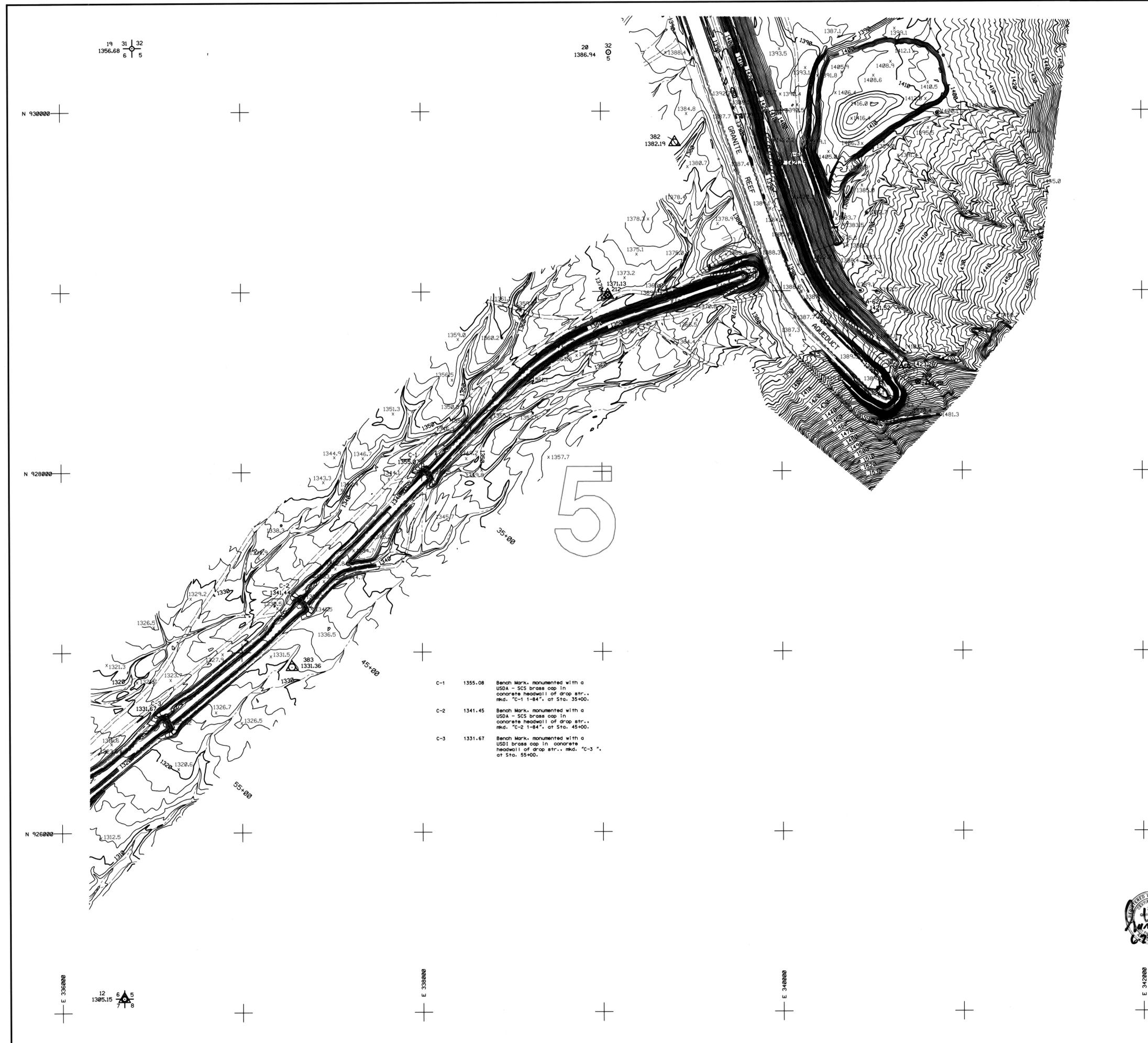
Map Sheet 22 represents Section 5, T2N, R8W



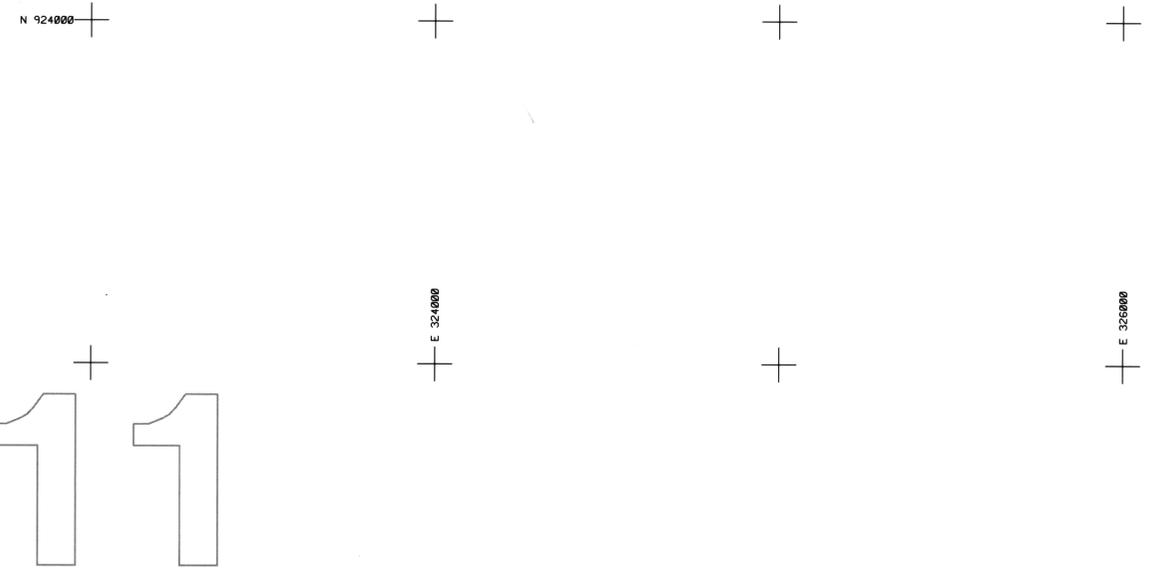
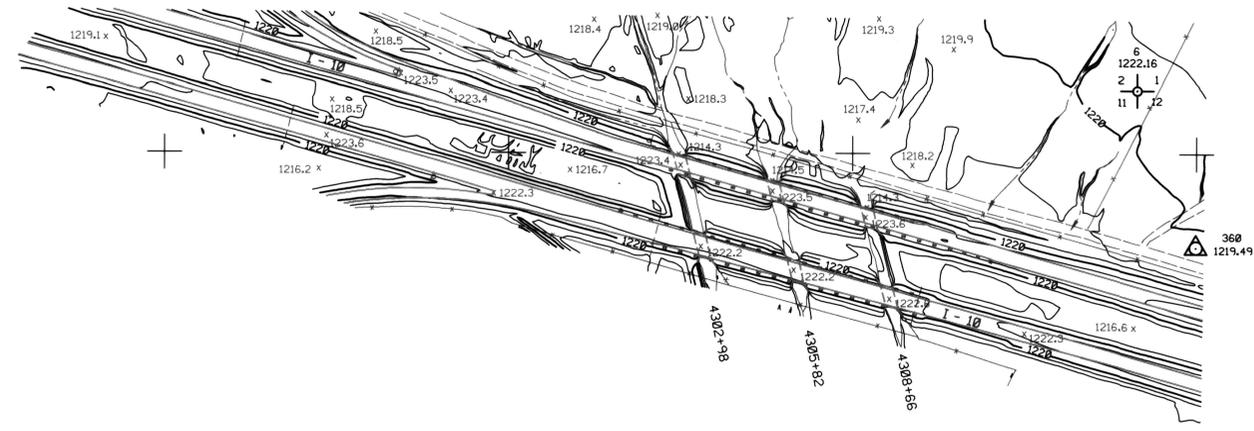
200 0' 200 400
SCALE: 1" = 200'
CONTOUR INTERVAL = 2 FEET

McLAIN AERIAL, INC.

DESIGN	BY	DATE	FLOOD CONTROL DISTRICT OF MARICOPA COUNTY
DESIGN CHK.	-	-	RECOMMENDED BY
PLANS	-	-	APPROVED BY
PLANS CHK.	-	-	DATE
SUBMITTED BY	-	-	DATE
			CHEF ENGINEER AND GENERAL MANAGER
			SHEET 22 OF 27



C-1	1355.08	Bench Mark, monumented with a USDA - SCS brass cap in concrete headwall of drop str., mtd. "C-1 1-84", at Sta. 35+00.
C-2	1341.45	Bench Mark, monumented with a USDA - SCS brass cap in concrete headwall of drop str., mtd. "C-2 1-84", at Sta. 45+00.
C-3	1331.67	Bench Mark, monumented with a USDI brass cap in concrete headwall of drop str., mtd. "C-3", at Sta. 55+00.



**FLOOD CONTROL DISTRICT
OF MARICOPA COUNTY**
HARQUAHALA
FRS & DIVERSION CHANNEL
F.C.D. CONTRACT NO. FCD 93-51

LEGEND

100-YR FLOODPLAIN BOUNDARY	-----
FLOODWAY BOUNDARY	-----
HYDRAULIC BASE LINE WITH RIVER MILE	M12.0 ----- M13.0
CROSS SECTION	A FP=100 Yr WSE A FW=Floodway WSE
ELEVATION REFERENCE MARK	ERM3 X
BASE FLOOD ELEVATIONS	----- 1221 -----
ZONE DESIGNATIONS	ZONE AE
CORPORATE LIMITS	Corporate Limits
COUNTY, PARISH, STATE OR INTERNATIONAL BOUNDARY	County Boundary

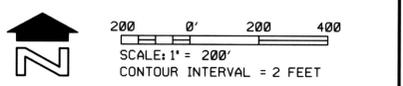
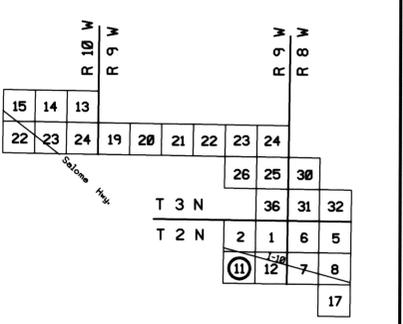
PRIMARY CONTROL POINTS

NOTE: ALL ELEVATIONS ARE BASED ON NAVD 88 (NORTH AMERICAN VERTICAL DATUM 1988)

I.D. NO.	ELEV. (FT)	DESCRIPTION/LOCATION
6	1222.16	Section cor. for sec's. 1, 2, 11 & 12, T. 2 N., R. 9 W., monumented with a 2 ins. iron post 0.9 ft. above ground surface, firmly set with the GLO brass cap properly mkd.
360	1219.49	Set 1/2 x 18 ins. rebar flush with ground surface located approximately 457 ft. south and 170 ft. east from the NW corner of section 12, T. 2 N., R. 9 W..



INDEX MAP
Map Sheet 23 represents Section 11, T2N, R9W



McLAIN AERIAL, INC.

DESIGN	BY	DATE	FLOOD CONTROL DISTRICT OF MARICOPA COUNTY
DESIGN CHK.	-	-	
PLANS	-	-	
PLANS CHK.	-	-	
SUBMITTED BY:	DATE		RECOMMENDED BY:
			APPROVED BY:
			DATE
			CHEF ENGINEER AND GENERAL MANAGER
			SHEET 23 OF 27

**FLOOD CONTROL DISTRICT
OF MARICOPA COUNTY**

**HARQUAHALA
FRS & DIVERSION CHANNEL
F.C.D. CONTRACT NO. FCD 93-51**

LEGEND

100-YR FLOODPLAIN BOUNDARY	---
FLOODWAY BOUNDARY	---
HYDRAULIC BASE LINE WITH RIVER MILE	M12.0 M13.0
CROSS SECTION	FP=100 Yr WSE FW=Floodway WSE
ELEVATION REFERENCE MARK	ERM3 X
BASE FLOOD ELEVATIONS	1221
ZONE DESIGNATIONS	ZONE AE
CORPORATE LIMITS	Corporate Limits
COUNTY, PARISH, STATE OR INTERNATIONAL BOUNDARY	County Boundary

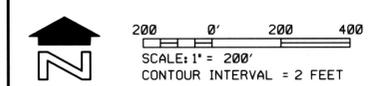
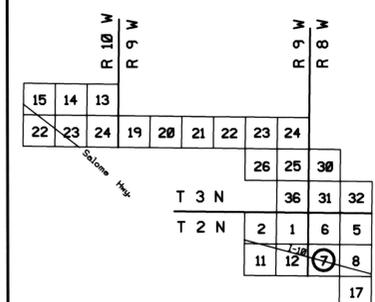
PRIMARY CONTROL POINTS

NOTE: ALL ELEVATIONS ARE BASED ON NAVD 88 (NORTH AMERICAN VERTICAL DATUM 1988)

I.D. NO.	ELEV. (FT)	DESCRIPTION/LOCATION
12	1305.15	Section cor. for sec's 5, 6, 7 & 8, T. 2 N., R. 8 W., monumented with a 2 in. iron post 0.9 ft. above ground surface, firmly set with the GLO brass cap properly mkd.
28	1206.19	Section cor. for sec's 7, 8, 17 & 18, T. 2 N., R. 8 W., monumented with a 2 in. iron post 0.8 ft. above ground surface, firmly set with the GLO brass cap properly mkd.
214	1255.48	Bench Mark, monumented with a USDI brass cap in concrete, flush with ground surface, mkd. "C-REF 150.00 FT RT 100+00", located approximately 1593 ft. south and 2948 ft. west from the NE corner of section 7, T. 2 N., R. 8 W..
215	1275.37	Bench Mark, monumented with a USDI brass cap in concrete, 0.4 ft. above ground surface, mkd. "C-REF 150.00 FT RT Sta. 80+00.02", located approximately 903 ft. south and 2246 ft. west from the NE corner of section 7, T. 2 N., R. 8 W..
262	1253.20	Bench Mark, AND brass cap in headwall of 3 - 10 x 15 (w x h) concrete box culvert for Harquahala - Saddleback FRS Diversion Channel under Interstate Hwy 10 located at Hwy. Sta. 4388+68.
380	1237.33	Set 60d nail, flush with ground surface located approximately 3940 ft. south and 3438 ft. west from the NE corner of sec. 7, T. 2 N., R. 8 W..
384	1283.13	Set 1/2 in. rebar flush with ground surface located approximately 624 ft. south and 1694 ft. west from the NE corner of section 7, T. 2 N., R. 8 W..
400	1217.68	Set 1/2 x 18 in. rebar flush with ground surface located approximately 1040 ft. north and 472 ft. west from the SE corner of section 7, T. 2 N., R. 8 W..
440	1249.07	Set 1/2 x 18 in. rebar flush with ground surface located approximately 1785 ft. north and 3490 ft. west from the SE corner of section 7, T. 2 N., R. 8 W..

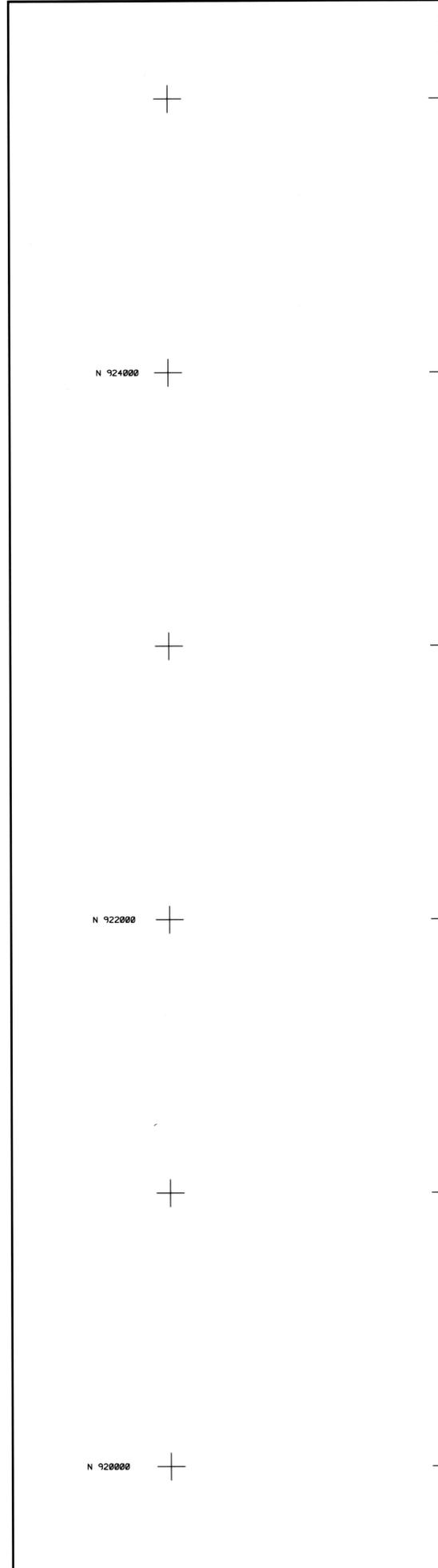
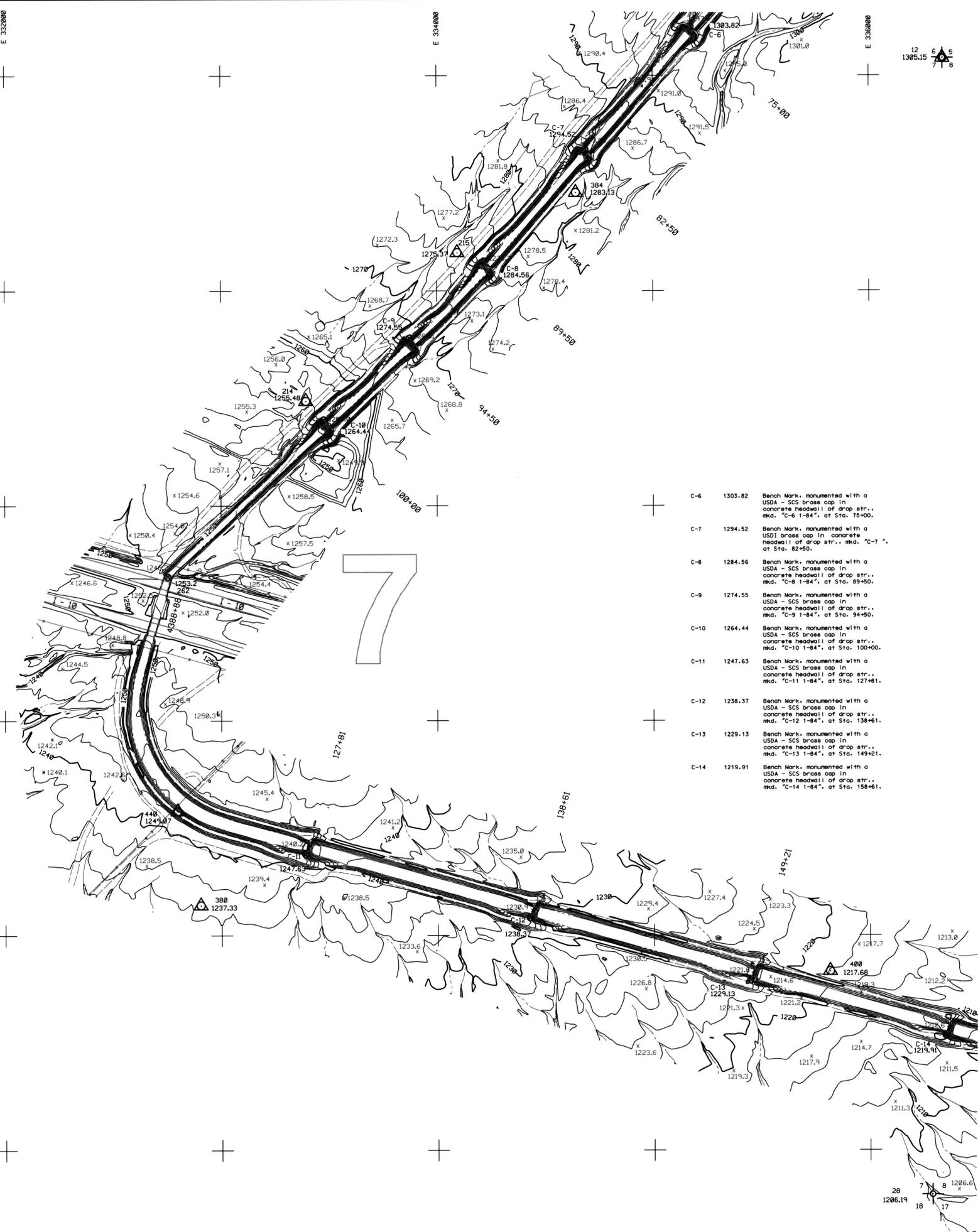
INDEX MAP

Map Sheet 25 represents Section 7, T2N, R8W



McLAIN AERIAL, INC.

DESIGN	BY	DATE	FLOOD CONTROL DISTRICT OF MARICOPA COUNTY
DESIGN CHK.	-	-	RECOMMENDED BY: DATE
PLANS	-	-	APPROVED BY: DATE
PLANS CHK.	-	-	CHEF ENGINEER AND GENERAL MANAGER
SUBMITTED BY:	DATE:	SHEET	25 OF 27



THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS 1"=200' HORIZONTAL SCALE AND 2' CONTOUR INTERVALS AND BASED ON GROUND CONTROL SURVEY DATA PROVIDED BY McLain Aerial, Inc.

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

HARQUAHALA
FRS & DIVERSION CHANNEL
F.C.D. CONTRACT NO. FCD 93-51

LEGEND

100-YR FLOODPLAIN BOUNDARY	---
FLOODWAY BOUNDARY	---
HYDRAULIC BASE LINE WITH RIVER MILE	M12.0 --- M13.0
CROSS SECTION	(A) FP=100 Yr WSE (A) FW=Floodway WSE
ELEVATION REFERENCE MARK	ERM3 X
BASE FLOOD ELEVATIONS	1221
ZONE DESIGNATIONS	ZONE AE
CORPORATE LIMITS	Corporate Limits
COUNTY, PARISH, STATE OR INTERNATIONAL BOUNDARY	County Boundary

PRIMARY CONTROL POINTS

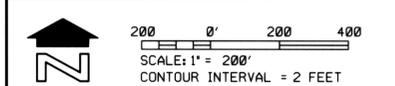
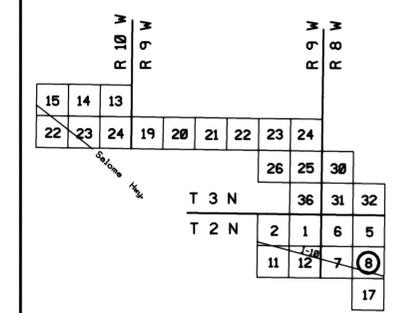
NOTE: ALL ELEVATIONS ARE BASED ON NAVD 88 (NORTH AMERICAN VERTICAL DATUM 1988)

I.D. NO.	ELEV. (FT)	DESCRIPTION/LOCATION
12	1305.15	Section cor. for sec's. 5, 6, 7 & 8, T. 2 N., R. 8 W., monument with a 2 ins. iron post 0.9 ft. above ground surface, firmly set with the GLO brass cap properly mkd.
28	1206.19	Section cor. for sec's T. 8, 17 & 18, T. 2 N., R. 8 W., monument with a 2 ins. iron post 0.8 ft. above ground surface, firmly set with the GLO brass cap properly mkd.
401	1194.60	Set 1/2 x 18 ins. rebar flush with ground surface located approximately 2130 ft. north and 2395 ft. east from the SW corner of section 8, T. 2 N., R. 8 W..
C-14	1219.91	Bench Mark, monument with a USDA - SCS brass cap in concrete headwall of drop str., mkd. "C-14 1-84", at Sta. 158+61.
C-15	1210.74	Bench Mark, monument with a USDA - SCS brass cap in concrete headwall of drop str., mkd. "C-15 1-84", at Sta. 165+41.
C-16	1201.65	Bench Mark, monument with a USDA - SCS brass cap in concrete headwall of drop str., mkd. "C-16 1-84", at Sta. 173+41.



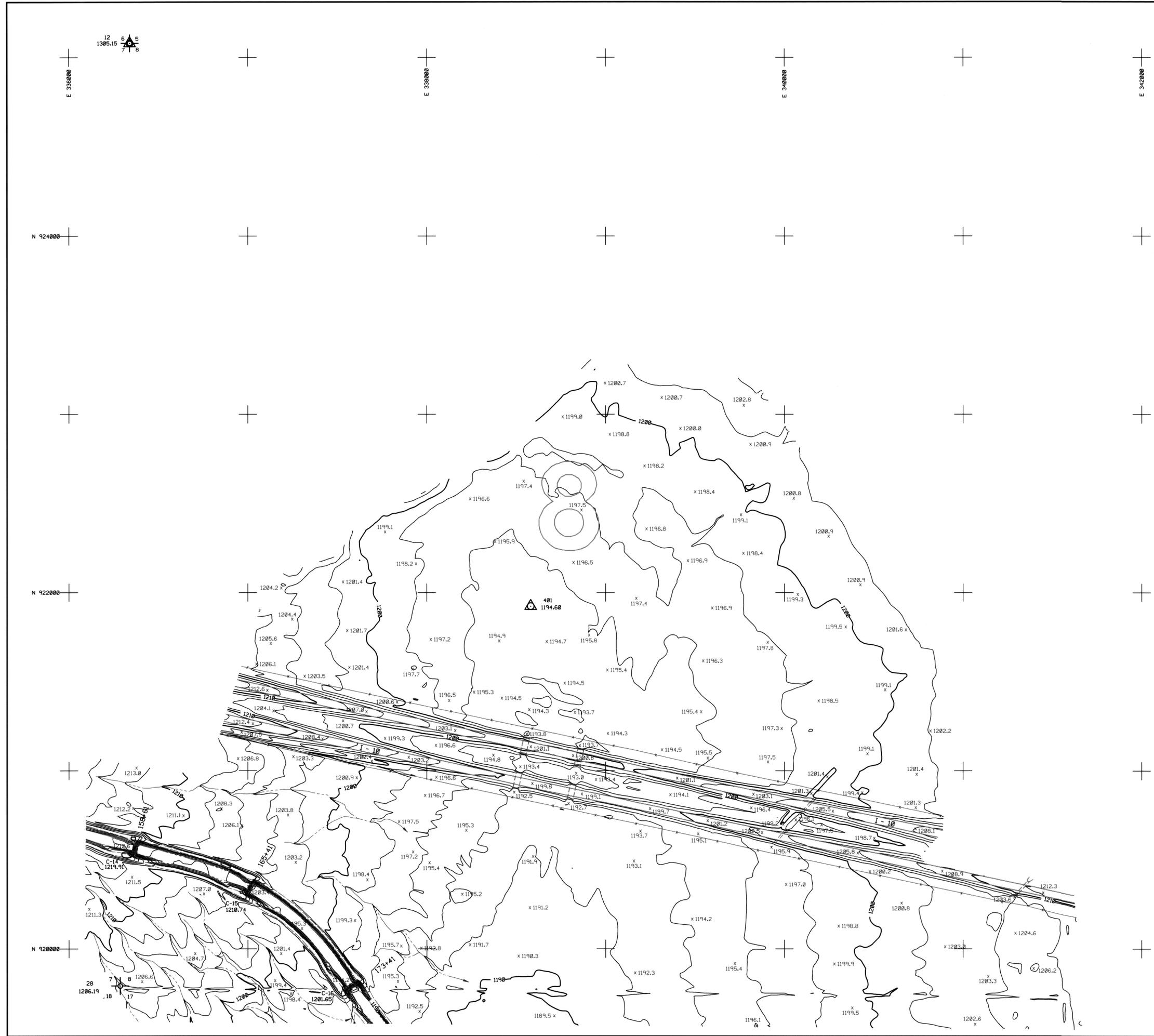
INDEX MAP

Map Sheet 26 represents Section 8, T2N, R8W



McLAIN AERIAL, INC.

DESIGN	BY	DATE	FLOOD CONTROL DISTRICT OF MARICOPA COUNTY
DESIGN CHK.	-	-	RECOMMENDED BY: DATE
PLANS	-	-	APPROVED BY: DATE
PLANS CHK.	-	-	CHEF ENGINEER AND GENERAL MANAGER
SUBMITTED BY:	DATE:	SHEET	26 of 27



**FLOOD CONTROL DISTRICT
OF MARICOPA COUNTY**
HARQUAHALA
FRS & DIVERSION CHANNEL
F.C.D. CONTRACT NO. FCD 93-51

LEGEND

100-YR FLOODPLAIN BOUNDARY	---
FLOODWAY BOUNDARY	---
HYDRAULIC BASE LINE WITH RIVER MILE	M12.0 M13.0
CROSS SECTION	A FP=100 Yr WSE A FW=Floodway WSE
ELEVATION REFERENCE MARK	ERM3 X
BASE FLOOD ELEVATIONS	1221
ZONE DESIGNATIONS	ZONE AE
CORPORATE LIMITS	Corporate Limits
COUNTY, PARISH, STATE OR INTERNATIONAL BOUNDARY	County Boundary

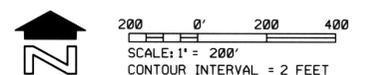
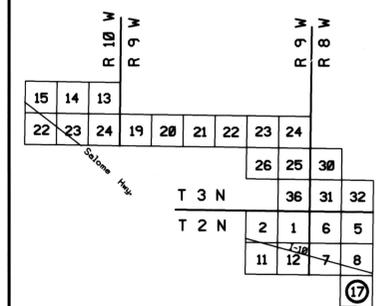
PRIMARY CONTROL POINTS

NOTE: ALL ELEVATIONS ARE BASED ON NAVD 88 (NORTH AMERICAN VERTICAL DATUM 1988)

I.D. NO.	ELEV. (FT)	DESCRIPTION/LOCATION
28	1206.19	Section cor. for sec's 7, 8, 17 & 18, T. 2 N., R. 8 W., monumented with a 2 in. iron post 0.8 ft. above ground surface, firmly set with the G.D. brass cap properly mkd.
402	1198.47	Set 60d nail flush with ground surface, located approximately 377 ft. south and 682 ft. east from the NW corner of section 17, T. 2 N., R. 8 W.
403	1192.35	Set 1/2 x 18 in. rebar flush with ground surface, located approximately 143 ft. north and 356 ft. east from the NW corner of section 17, T. 2 N., R. 8 W.
405	1192.53	Set 1/2 x 18 in. rebar flush with ground surface, located approximately 80 ft. north and 150 ft. east from the SW corner of section 16, T. 2 N., R. 8 W.
A-215	1195.99	Bench Mark monumented with a FDCM brass cap in concrete, flush with ground surface, mkd. "A-21", located Lt. of Sta. 210+00.
A-225	1196.27	Bench Mark monumented with a FDCM brass cap in concrete, flush with ground surface, mkd. "A-22", located Lt. of Sta. 220+00.
A-235	1196.48	Bench Mark monumented with a FDCM brass cap in concrete, flush with ground surface, mkd. "A-23", located Lt. of Sta. 230+00.
A-245	1195.94	Bench Mark monumented with a FDCM brass cap in concrete, 0.7 ft. below ground surface, mkd. "A-24", located Lt. of Sta. 240+00.
A-255	1195.98	Bench Mark monumented with a FDCM brass cap in concrete, 0.4 ft. below ground surface, mkd. "A-25", located Lt. of Sta. 250+00.
A-265	1195.90	Bench Mark monumented with a FDCM brass cap in concrete, 0.3 ft. below ground surface, mkd. "A-26", located Lt. of Sta. 260+00.
A-275	1196.57	Bench Mark monumented with a FDCM brass cap in concrete, 0.2 ft. above ground surface, mkd. "A-27", located Lt. of Sta. 270+00.
C-16	1201.65	Bench Mark monumented with a USA - SCS brass cap in concrete headwall of drop str., mkd. "C-16-1-84", of Sta. 173+41.

INDEX MAP

Map Sheet 27 represents Section 17, T2N, R8W



McLAIN AERIAL, INC.

DESIGN	BY	DATE	FLOOD CONTROL DISTRICT OF MARICOPA COUNTY
DESIGN CHK.	-	-	RECOMMENDED BY:
PLANS	-	-	APPROVED BY: DATE
PLANS CHK.	-	-	DATE
SUBMITTED BY:	-	-	CHIEF ENGINEER AND GENERAL MANAGER
DATE:	-	-	SHEET 27 OF 27

