FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

CONTRACT FCD 2001C051
TASK 1

AGUILA AERIAL MAPPING & MAJOR STRUCTURE SURVEY

SURVEY REPORT FOR PHOTOGRAMMETRIC CONTROL, INDEPENDENT QA/QC AND STRUCTURE SURVEYS

SUBMITTED BY:

DATABASED TERRAIN MAPPING, INC.
4400 E. Broadway Blvd., suite 508
Tucson, Arizona 85711
Voice: (520) 292-2020
Fax: (520) 888-4393
E-mail: leeharbers@dtminc.net

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AGUILA AERIAL MAPPING & MAJOR STRUCTURE SURVEY

DTM, INC. PROJECT # 21152

SURVEY REPORT

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The field survey (ground control network) for the project has been developed in NAD83 Arizona State Plane Coordinate System (Central Zone) and NAVD88 vertical datum with all units of measurement in International Feet. The entire control network was established with RTK GPS methodology using five GDACS points in and around the project area. GDACS points used for this project are: 4OO1, 4MQ1, 4NP1, 4OQ1, and 4NR1. During field survey work, several other government monuments were recovered and used as ERM's these include MCDOT, ADOT, USGS, USC&GS monuments and PLSS corners.

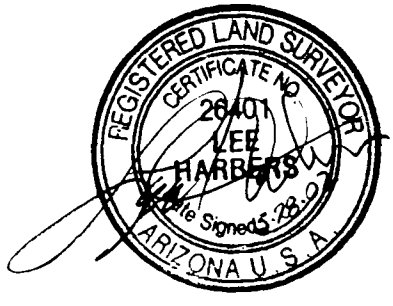
In addition to establishing the ground control point network and "blind targets", Tri-Core Engineering completed RTK GPS data collection for field check cross sections. These cross section locations were predetermined (approximate locations) to meet the criteria established by FCDMC and FEMA for verification of the photogrammetric mapping accuracy. Coordinate triplet datasets and graphical plots of these datasets are included with this report.

Finally, field surveys were completed to document the three major drainage structures within the project area. These include the US Highway 60 and railroad bridges over Greens Wash above its confluence with Centennial Wash just West of Aguila, and the drainage structure under SR71 just North of its intersection with US60 East of Aguila. Sketches, point lists and photographs of these structures are included with this report.

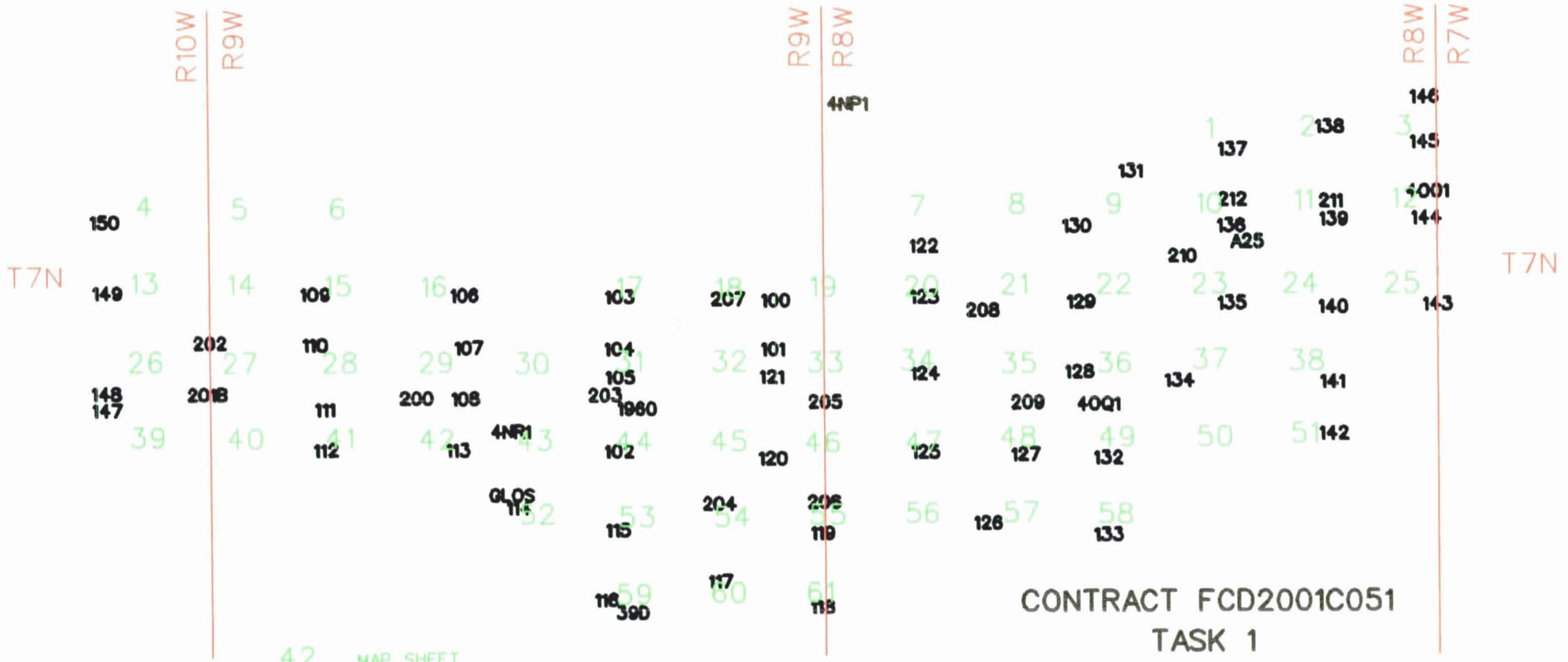
All survey work meets or exceeds the minimum standards and criteria established in FEMA Document 37, Flood Insurance Study Guidelines and Specifications for Study Contractors. This includes the photogrammetric control surveys, verification by "blind targets," field cross section collection, and establishment of ERM's. The survey work for this contract does not include cadastral work to recover, locate, set, or establish PLSS corners or any other property descriptions.

Respectfully Submitted

DATABASED TERRAIN MAPPING, INC.
Lee Harbers, RLS, Certified Photogrammetrist
President



SECTION 1
SURVEY CONTROL DATA



150 CONTROL POINT

CONTRACT FCD2001C051
TASK 1
AGUILA AERIAL MAPPING
CONTROL DIAGRAM

CONTRACT FCD2001CO51 - AGUILA MAPPING AND STRUCTURE SURVEYS - CONTROL FILES

TYP_LID	HOR_LID	VER_LID	XNAD27	YNAD27	XNAD83	YNAD83	NGVD29	NAVD88	MNT_LID	PNTNUM	DESC
6	3	12	0 000	0 000	359559 22	1083560 75	0 000	2309 45	29	4OO1	Fnd Iron Rod in conc Sleeve near the NE corner of Section 12, T7N, R8W
6	3	12	0 000	0 000	342636 10	1072723 08	0 000	2241 82	29	4OQ1	Fnd Iron Rod in conc Sleeve +/- 2 9 miles N of US60 on W side of SR&I
6	3	12	0 000	0 000	329858 52	1088189 91	0 000	2242 93	29	4NP1	Fnd Iron Rod in conc Sleeve on N side of US60 +/- 2 75 miles E of SR71
6	3	12	0 000	0 000	312185 25	1071348 55	0 000	2161 17	29	4NR1	Fnd Iron Rod in conc Sleeve +/- 30 feet S of centerline of US60 +/- 1 0 miles W of Eagle Eye Road
6	3	12	0 000	0 000	325938 57	1078101 91	0 000	2193 83	10	100	Set rebar w/alum cap near the center of Section 12, T7N, R9W
6	3	12	0 000	0 000	325906 03	1075505 29	0 000	2189 93	10	101	Set rebar w/alum cap near the S 1/4 Corner of Section 12, T7N R9W
6	3	12	0 000	0 000	317881 39	1070336 01	0 000	2163 38	11	102	Fnd BC in Handhole on Eagle Eye Road stamped "Maricopa County DOT - T7N, R9W S22 - RLS 26411"
6	3	12	0 000	0 000	317988 95	1078262 00	0 000	2162 41	11	103	Fnd Maricopa County Eng Dept BC in Handhole 1 5 miles N of US60 on Eagle Eye Road
6	3	12	0 000	0 000	317926 56	1073917 25	0 000	2162 02	17	105	Set PK on centerline of Eagle Eye Road at centerline of Centennial Wash crossing
6	3	12	0 000	0 000	310032 40	1075665 58	0 000	2141 01	10	107	Set rebar w/alum cap near the S 1/4 Corner of Section 9, T7N, R9W
6	3	12	0 000	0 000	309976 55	1073099 43	0 000	2149 19	10	108	Set rebar w/alum cap on N/S centerline of Section 16, T7N, R9W and Centennial Wash
6	3	12	0 000	0 000	302159 59	1078444 81	0 000	2123 72	10	109	Set rebar w/alum cap near the W 1/4 Corner of Section 8, T7N, R9W
6	3	12	0 000	0 000	302599 40	1072529 23	0 000	2141 58	10	111	Set rebar w/alum cap on the E line of Section 18, T7N, R9W
6	3	12	0 000	0 000	302722 66	1070448 08	0 000	2151 91	10	112	Set rebar w/alum cap on the E line of Section 19, T7N, R9W
6	3	12	0 000	0 000	309520 36	1070422 69	0 000	2163 41	10	113	Set rebar w/alum cap near the center of Section 21, T7N, R9W
6	3	12	0 000	0 000	312553 65	1067713 13	0 000	2184 07	10	114	Set rebar w/alum cap 50 feet S of the NE Corner of Sec 28, T7N, R9W
6	3	12	0 000	0 000	317835 85	1066245 85	0 000	2185 72	17	115	Set PK Nail on centerline of Eagle Eye Road +/- 1 25 miles S of US60
6	3	12	0 000	0 000	323034 45	1063440 55	0 000	2191 79	17	117	Set PK Nail on 507th Ave (East line of Section 26, T7N, R9W) +/- 1 75 miles s of US60
6	3	12	0 000	0 000	328297 01	1062305 62	0 000	2189 94	10	118	Set rebar w/alum cap on E line of Section 25, T7N, R9W +/- 2 0 miles S of US 60
6	3	12	0 000	0 000	328373 11	1066088 28	0 000	2194 04	10	119	Set rebar w/alum cap on E line of Section 25, T7N, R9W +/- 1 25 miles S of US60
6	3	12	0 000	0 000	325771 42	1069920 17	0 000	2186 19	10	120	Set rebar w/alum cap near the center of Section 24, T7N, R9W
6	3	12	0 000	0 000	325842 44	1074212 97	0 000	2189 52	10	121	Set rebar w/alum cap on N/S centerline of Section 13, T7N , R9W +/- 0 25 miles N of US60
6	3	12	0 000	0 000	333670 80	1080812 90	0 000	2229 91	10	122	Set rebar w/alum cap +/- 1 5 miles N of US60 and +/- 1 0 miles E of SR71
6	3	12	0 000	0 000	333670 63	1078202 72	0 000	2219 45	10	123	Set rebar w/alum cap +/- 1 0 miles N of US60 and +/- 1 0 miles E of SR71
6	3	12	0 000	0 000	333670 29	1074242 40	0 000	2214 06	10	124	Set rebar w/alum cap +/- 0 25 miles N of US60 and +/- 1 0 miles E of SR71
6	3	12	0 000	0 000	333680 09	1070198 16	0 000	2208 15	10	125	Set rebar w/alum cap +/- 0 5 miles S of US60 and +/- 1 0 miles E of SR71 alignment
6	3	12	0 000	0 000	336909 69	1066555 85	0 000	2216 68	10	126	Set rebar w/alum cap +/- 60 feet E of 491st Ave +/- 1 25 miles S of US60
6	3	12	0 000	0 000	338872 62	1070084 11	0 000	2223 33	10	127	Set rebar w/alum cap 50 feet s of US 60, +/- 1 0 miles E of 491st Ave
6	3	12	0 000	0 000	341671 63	1074340 85	0 000	2237 14	10	128	Set rebar w/alum cap +/- 0 25 miles N of US60 and +/- 2 5 miles E of SR71
6	3	12	0 000	0 000	341761 45	1077903 06	0 000	2245 33	10	129	Set rebar w/alum cap 1 0 miles N of US60 and +/- 2 5 miles E of SR71
6	3	12	0 000	0 000	341561 28	1081870 87	0 000	2253 09	10	130	Set rebar w/alum cap 1 75 miles N of US60 and +/- 2 35 miles E of SR71
6	3	12	0 000	0 000	344418 19	1084710 62	0 000	2275 65	10	131	Set rebar w/alum cap +/- 2 25 miles N of US60 and 3 0 miles E of SR71
6	3	12	0 000	0 000	346864 32	1073888 28	0 000	2256 32	10	134	Set rebar w/alum cap +/- 0 25 miles n of US60 and +/- 3 5 miles E of SR71
6	3	12	0 000	0 000	349591 78	1077876 46	0 000	2269 72	10	135	Set rebar w/alum cap in desert approx 4 0 miles E of SR71 and 1 0 miles N or US60
6	3	12	0 000	0 000	349584 35	1081862 83	0 000	2273 77	10	136	Set rebar w/alum cap +/- 1 75 miles N of US60 and 4 0 miles East of SR71
6	3	12	0 000	0 000	349662 96	1085799 08	0 000	2296 18	10	137	Set rebar w/alum cap +/- 2 5 miles N of US60 and 4 0 miles E of SR71
6	3	12	0 000	0 000	354717 88	1086933 43	0 000	2309 74	10	138	Set rebar w/alum cap in desert approx 2 75 miles N of US60 and 4 75 miles E of SR71
6	3	12	0 000	0 000	354845 92	1082187 53	0 000	2289 86	10	139	Set rebar w/alum cap near the W 1/4 Corner of Sec 12, T7N, R8W
6	3	12	0 000	0 000	354762 68	1077634 95	0 000	2297 75	10	140	Set rebar w/alum cap at hottman Tank +/- 0 7 miles W of Four Paugh Road, +/- 0 3 miles N of US60 M P 90 2
6	3	12	0 000	0 000	354789 53	1073784 52	0 000	2307 46	10	141	Set rebar w/alum cap 0 35 miles W of Four Paugh Road, +/- 0 2 miles N of US 60 M P 90
6	3	12	0 000	0 000	360148 63	1077766 82	0 000	2330 17	7	143	Set rebar w/alum cap near the SE corner of Section 12, T7N, R9W
6	3	12	0 000	0 000	359605 28	1082229 07	0 000	2314 50	10	144	Set rebar w/alum cap in open desert +/- 1 6 miles N of US 60 and +/- 0 75 miles E of Four Paugh Road
6	3	12	0 000	0 000	359527 16	1086111 59	0 000	2312 07	10	145	Set rebar w/alum cap +/- 2 5 miles N of US 60 and +/- 0 5 miles E of Four Paugh Raod
6	3	12	0 000	0 000	359535 30	1088465 32	0 000	2316 84	10	146	Set rebar w/alum cap on open desert +/- 0 8 miles N of ranch house at Four Paugh Ranch
6	3	12	0 000	0 000	291211 11	1072546 34	0 000	2111 20	10	147	Set rebar w/alum cap in NE 1/4 of Section 24, T&N, R10W along the N/S centerline of Section
6	3	12	0 000	0 000	291167 86	1073350 44	0 000	2107 24	10	148	Set rebar w/alum cap in SE 1/4 of Section 13, T7N, R10W along the N/S centerline of Section
6	3	12	0 000	0 000	290889 66	1081988 79	0 000	2099 20	10	150	Set rebar w/alum cap in NE 1/4 of Section 12, T&N, R10W along the N/S centerline of Section
6	3	12	0 000	0 000	317896 35	1072923 39	0 000	2165 41	10	203	Set rebar w/alum cap at NW corner of US60 and Eagle Eye Road
6	3	12	0 000	0 000	328404 57	1067614 35	0 000	2188 65	10	206	Set rebar w/alum cap on N side of canal 0 9 miles S of US60 on 491st Ave
6	3	12	0 000	0 000	323568 82	1078182 88	0 000	2186 44	10	207	Set rebar w/alm cap near the NE corner of Section 14, T7N, R9W
6	3	12	0 000	0 000	346974 41	1080273 41	0 000	2263 20	10	210	Set rebar w/alum cap along US60 near the center of Section 10, T7N, R8W
6	3	12	0 000	0 000	349653 35	1083158 91	0 000	2275 93	10	212	Set rebar w/alum cap 2 0 miles N of US60 and +/- 4 0 miles E of SR71

CONTRACT FCD2001CO51 - AGUILA MAPPING AND STRUCTURE SURVEYS - ERM FILE

HOR_LID	VER_LID	XNAD27	YNAD27	XNAD83	YNAD83	NGVD29	NAVD88	MNT_LID	RMNUM	DESC
3	12	0 000	0 000	333847 55	1056798 160	0 000	2205 23	29	4MQ1	Fnd Iron Rod in conc Sleeve +/- 2 9 miles S of US60 and +/- 100' E of 491st Ave centerline
3	12	0 000	0 000	317951 68	1075620 620	0 000	2162 92	11	104	Fnd Maricopa County eng Dept BC in Handhole +/- 1 5 miles N of US60 on Eagle Eye Road
3	12	0 000	0 000	309993 53	1078367 260	0 000	2135 90	10	106	Set rebar w/alum cap (stamped "ERM106") near center of Section 9, T7N, R9W
3	12	0 000	0 000	302073 69	1075800 470	0 000	2117 37	10	110	Set rebar w/alum cap (stamped "ERM110") near the SW corner of Section 8, T7N, R9W
3	12	0 000	0 000	317781 73	1062402 820	0 000	2219 73	11	116	Fnd Maricopa County DOT BC in Handhole at the NE corner of Section 34, T7N, R9W
3	12	0 000	0 000	343143 00	1069929 950	0 000	2242 16	10	132	Set rebar w/alum cap (stamped "ERM 132") in open desert +/- 0 4 miles S of US60 M P 88 8
3	12	0 000	0 000	343126 41	1065962 040	0 000	2249 18	10	133	Set rebar w/alum cap (stamped "ERM 133") +/- 126 miles S of US60 M P 88 8
3	12	0 000	0 000	354796 20	1071166 500	0 000	2316 15	10	142	Set rebar w/alum cap (stamped "ERM 142") +/- 0 2 miles S of US60 M P 89 7
3	12	0 000	0 000	291100 49	1078444 190	0 000	2090 55	10	149	Set rebar w/alum cap (stamped "ERM 149") +/- 400' W of the SE corner of Section 11, T7N, R10W
3	12	0 000	0 000	307323 29	1073104 830	0 000	2147 69	10	200	Set rebar w/alum cap (stamped "ERM 200") near the NE corner of Section 20, T7N, R9W
3	12	0 000	0 000	296195 43	1073269 340	0 000	2120 08	10	201B	Set rebar w/alum cap (stamped "ERM 201-B") near the NE corner of Section 24, T7N, R9W
3	12	0 000	0 000	296377 39	1075876 490	0 000	2111 34	10	202	Set rebar w/alum cap (stamped "ERM 202") near the SE corner of Section 12, T&N, R10W
3	12	0 000	0 000	323075 90	1067589 880	0 000	2173 98	10	204	Set rebar w/alum cap (stamped "ERM 204") at the NE corner of Alvin Rd and 507th Ave
3	12	0 000	0 000	328473 56	1072778 120	0 000	2194 89	10	205	Set rebar w/alum cap (stamped "ERM 205") at the NW corner of US60 and 491st Ave
3	12	0 000	0 000	336662 55	1077516 260	0 000	2226 09	10	208	Set rebar w/alum cap (stamped "ERM 208") along the S side of railroad +/- 1 6 miles E of SR71
3	12	0 000	0 000	338988 32	1072764 690	0 000	2227 36	10	209	Set rebar w/alum cap (stamped "ERM 209") near the NE corner of Section 20, T7N, R8W
3	12	0 000	0 000	354758 62	1083094 720	0 000	2291 71	10	211	Set rebar w/alum cap (stamped "ERM 211") near the NE corner of Section 11, T7N, R8W
3	12	0 000	0 000	317972 94	1072916 310	0 000	2165 91	34	1960	Fnd ADOT Disk in headwall at US60 M P 84 3 "Sta 1636+34 35, Elev 2164 79"
3	12	0 000	0 000	317810 01	1062400 580	0 000	2220 72	7	39D	Fnd USGS BC "Bench Mark 39D" stamped "Elev 2219 Feet" 1 9 Miles s of US60 on Eagle Eye Road (SE cor of intersection)
3	12	0 000	0 000	350164 66	1081006 090	0 000	2275 34	8	A 25	Fnd USC&GS BC in conc Pyramid S of RR ROW fence in Section 11, T7N, R8W
3	12	0 000	0 000	312565 02	1067759 780	0 000	2184 83	34	GLOS	Fnd GLO Section Corner disk stamped "Sections 21, 22, 27, 28, T7N, R9W

21152-triangulated-control-values

CONTRACT FCD2001CO51 - AGUILA
AEROTRIANGULATION - GROUND POINT FILE
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138 1 3
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139 1 3
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140 1 3
1077637.10700000010000   354763.39199999999000    2297.73599999999990

0.010000 0.010000 0.010000
-0.000509 0.002682 0.000444

141 1 3
1073786.67100000010000   354790.23800000001000    2307.44700000000010

0.010000 0.010000 0.010000
0.001318 -0.002242 -0.000262

142 1 3
1071168.64100000010000   354796.90800000000000    2316.15200000000000

0.010000 0.010000 0.010000
-0.001505 0.000971 0.000819

143 1 3
1077768.97900000010000   360149.35100000002000    2330.17900000000010

0.010000 0.010000 0.010000
-0.000711 -0.000435 0.000533

144 1 3
1082231.23600000000000   359606.00000000000000    2314.46200000000000

0.010000 0.010000 0.010000
0.000389 -0.000963 0.001033

145 1 3
1086113.76000000000000   359527.88199999998000    2312.01899999999980

0.010000 0.010000 0.010000
-0.000685 -0.000011 -0.000734

146 1 3
1088467.50099999990000   359536.01500000001000    2316.78099999999990

0.010000 0.010000 0.010000
0.000236 -0.000827 0.000606

147 1 3
1072552.29499999990000   291209.24900000001000    2107.30200000000010
```

```
0.010000 0.010000 0.010000
-0.001264 -0.000119 -0.000149

148 1 3
1073355.83400000000000   291169.32299999997000    2101.85899999999990

0.010000 0.010000 0.010000
0.001458 0.000441 0.000357

149 1 3
1078446.34500000000000   291101.07799999998000    2090.36200000000010

0.010000 0.010000 0.010000
0.000161 0.000362 -0.000245

150 1 3
1081990.95300000000000   290890.24099999998000    2099.02000000000000

0.010000 0.010000 0.010000
0.000190 -0.000202 0.000198
```

CONTRACT FCD2001CO51 - AGUILA
AEROTRIANGULATION - GROUND POINT FILE -"BLIND TARGETS"
13
point_id,stat,known,lat_Y_North,long_X_East,ht,sig(3),res(3)
200_1 1 0
1073107.03594215910000 307323.97210720542000 2147.20633468677580

0.000000 0.000000 0.000000
0.000000 0.000000 0.000000

201_1 1 0
1073261.78269191780000 296190.61846107978000 2118.29927804425320

0.000000 0.000000 0.000000
0.000000 0.000000 0.000000

202_1 1 0
1075882.03555995580000 296377.71202446538000 2107.54164109521800

0.000000 0.000000 0.000000
0.000000 0.000000 0.000000

203_1 1 0
1072925.62535346700000 317897.17901135067000 2165.42933408863060

0.000000 0.000000 0.000000
0.000000 0.000000 0.000000

204_1 1 0
1067592.00118486540000 323076.62121201976000 2173.90449038016320

0.000000 0.000000 0.000000
0.000000 0.000000 0.000000

205_1 1 0
1072780.17596419060000 328474.11089591496000 2194.79093502674050

0.000000 0.000000 0.000000
0.000000 0.000000 0.000000

206_1 1 0
1067616.51670879200000 328405.30461519613000 2187.81167812565260

0.000000 0.000000 0.000000
0.000000 0.000000 0.000000

207_1 1 0
1078184.97887883960000 323569.36321295227000 2186.20317897768380

0.000000 0.000000 0.000000
0.000000 0.000000 0.000000

208_1_1_0
1077518.30304860950000 336663.20438028057000 2226.18877135724960

0.000000 0.000000 0.000000
0.000000 0.000000 0.000000

209_1_1_0
1072766.94492432990000 338989.31909903116000 2226.99612320791130

0.000000 0.000000 0.000000
0.000000 0.000000 0.000000

210_1_1_0
1080275.50488816250000 346975.16352408635000 2263.19516760813210

0.000000 0.000000 0.000000
0.000000 0.000000 0.000000

211_1_1_0
1083096.92844044390000 354759.21982600651000 2292.10761867363450

0.000000 0.000000 0.000000
0.000000 0.000000 0.000000

212_1_1_0
1083161.16899169240000 349653.96698299353000 2276.09492660253730

0.000000 0.000000 0.000000
0.000000 0.000000 0.000000

CONTRACT FCD2001CO51 - AGUILA
AEROTRIANGULATION - GROUND POINT FILE - ALL POINTS
523
point_id,stat,known,lat_Y_North,long_X_East,ht,sig(3),res(3)
100 1 3
1078104.06120000010000 325939.22399999999000 2193.90799999999990

0.010000 0.010000 0.010000
0.002336 0.001384 0.001488

101 1 3
1075507.44300000000000 325906.67599999998000 2190.00300000000020

0.010000 0.010000 0.010000
-0.000363 0.000862 -0.000301

102 1 3
1070338.14800000000000 317882.02799999999000 2163.99600000000010

0.010000 0.010000 0.010000
0.000917 -0.003766 -0.000637

103 1 3
1078264.15299999990000 317989.58899999998000 2162.90099999999980

0.010000 0.010000 0.010000
-0.000780 0.001308 0.000084

104 1 3
1075622.77300000000000 317952.31400000001000 2163.28499999999990

0.010000 0.010000 0.010000
-0.001577 -0.000573 0.000125

105 1 3
1073919.39500000000000 317927.19300000003000 2162.04300000000010

0.010000 0.010000 0.010000
0.001083 -0.001475 0.000082

106 1 3
1078369.41699999990000 309994.15299999999000 2135.88999999999990

0.010000 0.010000 0.010000
-0.001474 -0.001986 0.000187

107 1 3
1075673.39800000000000 310030.73700000002000 2141.17000000000010

0.010000 0.010000 0.010000
-0.000448 0.001353 0.000046

108 1 3
1073101.57100000000000 309977.17200000002000 2149.14300000000000

0.010000 0.010000 0.010000
-0.001334 -0.001138 -0.000687

109 1 3
1078446.96600000000000 302160.19500000001000 2123.64199999999980

0.010000 0.010000 0.010000
-0.000648 -0.002572 0.002240

110 1 3
1075802.72900000010000 302075.07600000000000 2123.63400000000000

0.010000 0.010000 0.010000
0.003358 0.000022 -0.002765

111 1 3
1072531.37400000010000 302600.00500000000000 2141.46500000000010

0.010000 0.010000 0.010000
-0.001193 0.000244 -0.001018

112 1 3
1070449.27300000000000 302720.59800000000000 2156.35300000000010

0.010000 0.010000 0.010000
0.000228 0.001429 0.000041

113 1 3
1070424.82800000000000 309520.98300000001000 2163.34299999999980

0.010000 0.010000 0.010000
-0.000404 0.000679 -0.000144

114 1 3
1067715.26799999990000 312554.27200000000000 2183.99400000000010

0.010000 0.010000 0.010000
0.002359 0.000282 -0.001034

115 1 3
1066247.98399999990000 317836.48499999999000 2185.68300000000000

```
0.010000 0.010000 0.010000
0.002092 0.002398 -0.001797

116 1 3
1062404.94800000010000   317782.37000000000000    2220.14300000000000

0.010000 0.010000 0.010000
-0.000215 -0.000471 0.000305

117 1 3
1063442.67200000000000   323035.09700000001000    2191.76699999999980

0.010000 0.010000 0.010000
0.004238 0.003483 -0.002177

118 1 3
1062307.74000000000000   328297.66600000003000    2189.94799999999990

0.010000 0.010000 0.010000
-0.002157 0.001795 0.001610

119 1 3
1066088.92400000010000   328370.09200000000000    2186.67099999999980

0.010000 0.010000 0.010000
-0.002582 -0.001292 -0.000932

120 1 3
1069922.31000000010000   325772.06599999999000    2186.23700000000010

0.010000 0.010000 0.010000
-0.000944 0.002296 0.000781

121 1 3
1074215.11400000010000   325843.08799999999000    2189.58800000000020

0.010000 0.010000 0.010000
-0.002634 -0.003509 -0.002496

122 1 3
1080815.05600000010000   333671.46299999999000    2229.98200000000000

0.010000 0.010000 0.010000
-0.000837 -0.000574 0.000346

123 1 3
1078204.87700000010000   333671.29599999997000    2219.53499999999990
```

```
0.010000 0.010000 0.010000
0.000101 -0.000468 0.000201

124 1 3
1074244.55200000080000   333670.96000000002000    2214.14100000000010

0.010000 0.010000 0.010000
0.002048 -0.002550 -0.000338

125 1 3
1070200.30400000000000   333680.75500000000000    2208.21399999999990

0.010000 0.010000 0.010000
0.000156 -0.000544 0.000373

126 1 3
1066557.98099999990000   336910.36300000001000    2216.72699999999990

0.010000 0.010000 0.010000
0.002033 0.001442 -0.000617

127 1 3
1070086.25300000000000   338873.30099999998000    2223.38500000000020

0.010000 0.010000 0.010000
-0.002220 0.000712 0.000491

128 1 3
1074342.99700000000000   341672.31300000002000    2237.14800000000010

0.010000 0.010000 0.010000
0.001151 -0.000363 0.000653

129 1 3
1077905.21500000010000   341762.13500000001000    2245.38299999999980

0.010000 0.010000 0.010000
-0.001576 0.000558 -0.000522

130 1 3
1081873.03780000000000   341561.96299999999000    2253.13099999999990

0.010000 0.010000 0.010000
-0.000127 -0.001741 0.000054

131 1 3
1084712.79100000000000   344418.87599999999000    2275.66600000000020
```

```
0.010000 0.010000 0.010000
0.000842 0.000021 0.000618

132 1 3
1069932.08560000010000   343143.98599999998000    2242.20600000000010

0.010000 0.010000 0.010000
0.001749 0.000583 0.000136

133 1 3
1065964.16900000000000   343127.09399999998000    2249.21599999999990

0.010000 0.010000 0.010000
-0.001373 0.000265 0.000713

134 1 3
1073890.42600000000000   346865.01400000002000    2256.34400000000010

0.010000 0.010000 0.010000
0.001886 0.000894 -0.000559

135 1 3
1077878.61800000000000   349592.47600000002000    2269.73500000000010

0.010000 0.010000 0.010000
-0.003848 0.002887 0.001294

136 1 3
1081864.99099999990000   349585.04300000001000    2273.76899999999980

0.010000 0.010000 0.010000
0.000855 -0.001924 0.000189

137 1 3
1085801.24900000010000   349663.65800000000000    2296.16800000000010

0.010000 0.010000 0.010000
-0.000779 -0.000187 0.000502

138 1 3
1086935.60500000000000   354718.58700000000000    2309.70899999999980

0.010000 0.010000 0.010000
0.001323 0.000445 0.000493

139 1 3
1082189.68900000000000   354846.62400000001000    2289.84099999999990
```

```
0.010000 0.010000 0.010000
-0.000321 0.000135 -0.000948

140 1 3
1077637.10700000010000   354763.39199999999000    2297.73599999999990

0.010000 0.010000 0.010000
-0.000509 0.002682 0.000444

141 1 3
1073786.67100000010000   354790.23800000001000    2307.44700000000010

0.010000 0.010000 0.010000
0.001318 -0.002242 -0.000262

142 1 3
1071168.64100000010000   354796.90800000000000    2316.15200000000000

0.010000 0.010000 0.010000
-0.001505 0.000971 0.000819

143 1 3
1077768.97900000010000   360149.35100000002000    2330.17900000000010

0.010000 0.010000 0.010000
-0.000711 -0.000435 0.000533

144 1 3
1082231.23600000000000   359606.00000000000000    2314.46200000000000

0.010000 0.010000 0.010000
0.000389 -0.000963 0.001033

145 1 3
1086113.76000000000000   359527.88199999998000    2312.01899999999980

0.010000 0.010000 0.010000
-0.000685 -0.000011 -0.000734

146 1 3
1088467.50099999990000   359536.01500000001000    2316.78099999999990

0.010000 0.010000 0.010000
0.000236 -0.000827 0.000606

147 1 3
1072552.29499999990000   291209.24900000001000    2107.30200000000010
```

0.010000 0.010000 0.010000
-0.001264 -0.000119 -0.000149

148 1 3
1073355.83400000000000 291169.32299999997000 2101.85899999999990

0.010000 0.010000 0.010000
0.001458 0.000441 0.000357

149 1 3
1078446.34500000000000 291101.07799999998000 2090.36200000000010

0.010000 0.010000 0.010000
0.000161 0.000362 -0.000245

150 1 3
1081990.95300000000000 290890.24099999998000 2099.02000000000000

0.010000 0.010000 0.010000
0.000190 -0.000202 0.000198

5 1 2 1 0
1082924.07538861620000 293047.14307739673000 2100.96439997227480

0.000000 0.000000 0.000000
0.000000 0.000000 0.000000

5 1 3 1 0
1082549.92145210200000 295494.14668624208000 2102.72422429157180

0.000000 0.000000 0.000000
0.000000 0.000000 0.000000

5 1 5 1 0
1078885.96350699970000 293188.14094303484000 2095.53373276850650

0.000000 0.000000 0.000000
0.000000 0.000000 0.000000

5 1 6 1 0
1078592.37213824200000 295475.96067205525000 2099.51840410219300

0.000000 0.000000 0.000000
0.000000 0.000000 0.000000

5 1 7 1 0
1081187.93235645140000 293222.45459912613000 2093.96252065651740

```
0.000000 0.000000 0.000000
0.000000 0.000000 0.000000

5_1_9 1 0
1080670.48130890210000   295631.53601262701000    2098.62498006640410

0.000000 0.000000 0.000000
0.000000 0.000000 0.000000

5_2_1 1 0
1082462.49142404460000   297663.01246816857000    2102.07310955715320

0.000000 0.000000 0.000000
0.000000 0.000000 0.000000

5_2_2 1 0
1078615.33849125500000   297766.88006014249000    2105.23101847018370

0.000000 0.000000 0.000000
0.000000 0.000000 0.000000

5_2_3 1 0
1080630.50612498800000   297468.96499302570000    2102.32497417851480

0.000000 0.000000 0.000000
0.000000 0.000000 0.000000

5_3_1 1 0
1082373.70429741010000   299954.02288227633000    2108.16406727193090

0.000000 0.000000 0.000000
0.000000 0.000000 0.000000

5_3_2 1 0
1078555.58736776350000   299775.27142826165000    2117.85463794961110

0.000000 0.000000 0.000000
0.000000 0.000000 0.000000

5_3_3 1 0
1080702.53927207440000   299972.76415172010000    2108.34283560093720

0.000000 0.000000 0.000000
0.000000 0.000000 0.000000

5_4_1 1 0
1083051.23794357760000   302154.60486443801000    2113.93737515999830
```

0.000000 0.000000 0.000000
0.000000 0.000000 0.000000

5 4 2 1 0
1078361.43346253040000 302303.18349779135000 2123.51845256209530

0.000000 0.000000 0.000000
0.000000 0.000000 0.000000

5 4 3 1 0
1080951.36732151920000 302071.69411128061000 2113.52807368399410

0.000000 0.000000 0.000000
0.000000 0.000000 0.000000

5 5 1 1 0
1082429.27775151450000 304216.22930240515000 2117.96927532501740

0.000000 0.000000 0.000000
0.000000 0.000000 0.000000

5 5 2 1 0
1078412.12303728260000 304462.89671978849000 2122.36777953107140

0.000000 0.000000 0.000000
0.000000 0.000000 0.000000

5 5 3 1 0
1080604.51161853920000 303884.60374411516000 2121.70345164058150

0.000000 0.000000 0.000000
0.000000 0.000000 0.000000

5 6 1 1 0
1082354.48937817640000 306299.30650223902000 2119.99682802841520

0.000000 0.000000 0.000000
0.000000 0.000000 0.000000

5 6 2 1 0
1078914.56780146480000 306023.83104837552000 2126.43827932457040

0.000000 0.000000 0.000000
0.000000 0.000000 0.000000

5 6 3 1 0
1080581.38695226210000 306360.75980976509000 2123.14820455617660

0.000000 0.000000 0.000000
0.000000 0.000000 0.000000

5_7_1_1_0
1082366.34274108850000 308661.54692876572000 2126.34163808216820

0.000000 0.000000 0.000000
0.000000 0.000000 0.000000

5_7_2_1_0
1078552.13160780910000 308534.31371086551000 2132.98032404530610

0.000000 0.000000 0.000000
0.000000 0.000000 0.000000

5_7_3_1_0
1080485.24819193870000 312958.68234765250000 2142.43447844823500

0.000000 0.000000 0.000000
0.000000 0.000000 0.000000

5_8_1_1_0
1082363.23461236200000 310990.22831972491000 2137.81220977082240

0.000000 0.000000 0.000000
0.000000 0.000000 0.000000

5_8_2_1_0
1078387.71387247650000 310341.61699692369000 2137.05126276838930

0.000000 0.000000 0.000000
0.000000 0.000000 0.000000

5_8_3_1_0
1080367.74552604320000 308172.13697977446000 2128.89122687414330

0.000000 0.000000 0.000000
0.000000 0.000000 0.000000

5_9_1_1_0
1083061.46437190990000 312569.60222142353000 2147.28604141358120

0.000000 0.000000 0.000000
0.000000 0.000000 0.000000

5_9_2_1_0
1078672.50654056580000 312882.77591001196000 2148.92110787805000

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0.000000 0.000000 0.000000
0.000000 0.000000 0.000000

5_9_3 1 0
1080692.19591119330000   312891.57384142344000    2147.17388156282500

0.000000 0.000000 0.000000
0.000000 0.000000 0.000000

5_10_1 1 0
1082673.35263109490000   315145.52007809607000    2157.61928508221440

0.000000 0.000000 0.000000
0.000000 0.000000 0.000000

5_10_2 1 0
1078250.81054242860000   315175.46268837794000    2149.59459001101460

0.000000 0.000000 0.000000
0.000000 0.000000 0.000000

5_10_4 1 0
1080883.92138425350000   315219.60785859806000    2153.19180150979260

0.000000 0.000000 0.000000
0.000000 0.000000 0.000000

5_11_1 1 0
1082628.71377931190000   317311.75788667484000    2167.69182792471790

0.000000 0.000000 0.000000
0.000000 0.000000 0.000000

5_11_2 1 0
1078203.37572880090000   316830.06514942559000    2155.20842248088460

0.000000 0.000000 0.000000
0.000000 0.000000 0.000000

5_11_3 1 0
1080828.85959193390000   317388.29615180922000    2162.56387333790280

0.000000 0.000000 0.000000
0.000000 0.000000 0.000000

5_12_1 1 0
1082884.42764526820000   319330.79644361051000    2178.33296351012270
```

```
0.000000 0.000000 0.000000
0.000000 0.000000 0.000000

5_12_2 1 0
1078207.14890241020000   319186.26496203494000    2165.74390688264480

0.000000 0.000000 0.000000
0.000000 0.000000 0.000000

5_12_3 1 0
1080849.86112640470000   318819.64239941380000    2170.49590245512130

0.000000 0.000000 0.000000
0.000000 0.000000 0.000000

5_13_1 1 0
1082168.96418295470000   321666.83473014308000    2187.01557317037670

0.000000 0.000000 0.000000
0.000000 0.000000 0.000000

5_13_2 1 0
1078105.05362330050000   321509.76385246334000    2176.39009424402270

0.000000 0.000000 0.000000
0.000000 0.000000 0.000000

5_13_3 1 0
1080914.60789190720000   321659.45548804192000    2184.11501325900600

0.000000 0.000000 0.000000
0.000000 0.000000 0.000000

5_14_1 1 0
1082817.80303242850000   323271.49514129042000    2196.22120052852420

0.000000 0.000000 0.000000
0.000000 0.000000 0.000000

5_14_2 1 0
1078479.63754491810000   323449.17642364022000    2189.19557662490250

0.000000 0.000000 0.000000
0.000000 0.000000 0.000000

5_14_3 1 0
1080700.90337652460000   323443.50521215965000    2188.88362080647180
```

0.000000 0.000000 0.000000
0.000000 0.000000 0.000000

5_15_1 1 0
1080341.26993645940000 323519.62710604514000 2188.19071942803250

0.000000 0.000000 0.000000
0.000000 0.000000 0.000000

5_15_2 1 0
1078147.11628872200000 325520.83342211234000 2190.68570725734570

0.000000 0.000000 0.000000
0.000000 0.000000 0.000000

5_15_3 1 0
1080785.25460779950000 323818.17374986445000 2190.32116149950800

0.000000 0.000000 0.000000
0.000000 0.000000 0.000000

5_16_1 1 0
1082028.50701116890000 327887.14797727665000 2213.84524608427410

0.000000 0.000000 0.000000
0.000000 0.000000 0.000000

5_16_2 1 0
1078738.21080912860000 327795.45634198317000 2202.93313442358750

0.000000 0.000000 0.000000
0.000000 0.000000 0.000000

5_16_3 1 0
1080351.94320729470000 328101.98729030212000 2211.07054486854710

0.000000 0.000000 0.000000
0.000000 0.000000 0.000000

5_17_1 1 0
1082707.64014613490000 329825.17286513792000 2230.24122057496790

0.000000 0.000000 0.000000
0.000000 0.000000 0.000000

5_18_1 1 0
1082832.00698799170000 332154.65817480732000 2234.27193055331830

```
0.000000 0.000000 0.000000
0.000000 0.000000 0.000000

5 18 2 1 0
1078306.59136918470000   330091.55952719349000    2208.52631496353160

0.000000 0.000000 0.000000
0.000000 0.000000 0.000000

5 18 3 1 0
1078784.71705332210000   332251.39736379340000    2217.71725484685700

0.000000 0.000000 0.000000
0.000000 0.000000 0.000000

5 18 4 1 0
1080474.30972949560000   331955.08009598835000    2224.11116541002780

0.000000 0.000000 0.000000
0.000000 0.000000 0.000000

5 19 1 1 0
1082514.17563884190000   334463.03622953454000    2241.68899257545490

0.000000 0.000000 0.000000
0.000000 0.000000 0.000000

5 19 2 1 0
1078364.03317837950000   334382.86397045502000    2221.99549204076990

0.000000 0.000000 0.000000
0.000000 0.000000 0.000000

5 19 3 1 0
1080540.61746996060000   334259.11709820078000    2230.27964741840880

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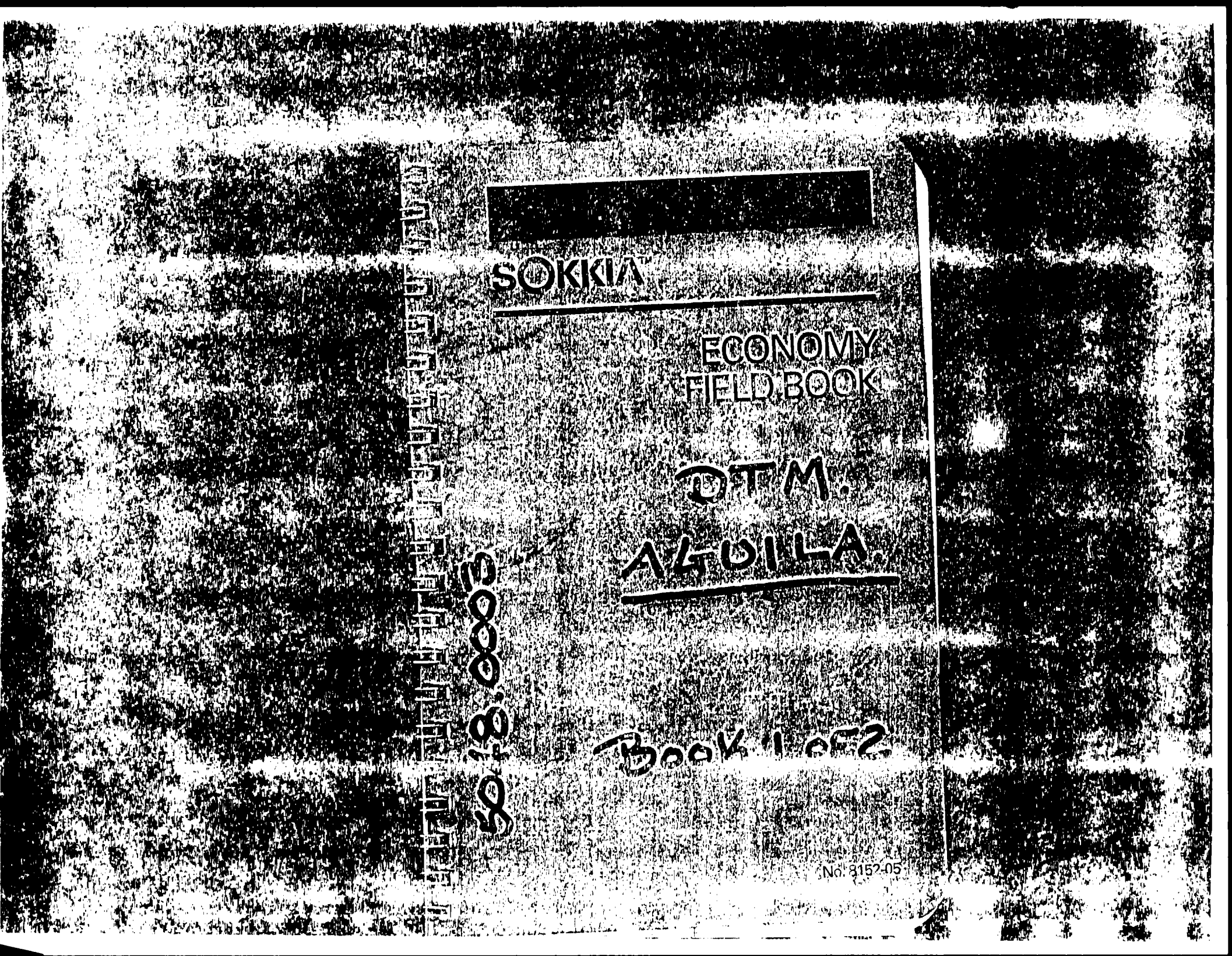

SOKKIA
ECONOMY
FIELD BOOK
DTM.
AGUILA.
Book 1 of 2
No. 8152-05

CONTROL PNTS.

PNT	CODE	DESCRIPTION.
56	4QQ1	FND ALUM ROD IN CONC. SLEEVE @ 2.92 ± mi. N. OF U.S. 60 ALONG S.R. 71. PNT IS ON THE W. SIDE OF S.R. 71 @ 90', OR 10' EAST OF ASTRAND BARBED WIRE FENCE.
55	4NP1	FND ALUM ROD IN CONC. SLEEVE @ 2.75 mi. ± E. OF S.R. 71 ALONG U.S. 60. PNT IS @ 30' N. OF U.S. 60. (PNT IS 30' N OF THE E. END OF AN 8 BARREL BOX CULVERT.)

"PNT. IS MARKED WITH A WHITE SURVEY MARKER".

PNT	CODE		DESCRIPTION
57 ERM	4MQ1		FND. ALUMINUM ROD IN CONC. SLEEVE @ 2.9± mi. S. OF U.S. 60 ON 491ST AVE @ THE END OF 491ST AVE. PNT IS 100'± E. OF ℄.
58	4NR1		FND ALUMINUM ROD IN CONC COLLAR @ 1.0 mi± W. OF EAGLE EYE RD. ON U.S. 60 @ 30' S. OF ℄.
24	4001		FND ALUMINUM ROD W. CONC. COLLAR @ 6.0 mi± E. of SR 71 & 2.0 mi± N. of U.S. 60 PNT IS IN THE AREA OF THE NE COR. OF SEC 12 T-7-N R-8-W.

CONTROL PNTS.

BASE@ 58 (GDAC 4NR1)

GRND TO BASE = 5.32

PNT	CODE	DESCRIPTION
56	4DQ1	SEE PG 2
55	4NP1	" "
57	4MQ1	SEE PG 3
58	4NR1	" "
24	4001	" "

NOTE: ALL CONTROL PNTS (ABOVE) SHOT IN 5 MINUTE SESSIONS.

J. FARNSWORTH [illegible], PC. 1-16-02 → 1-18-02

J. RIOJAS Ø. IT. CLOUDY, 48°

CALM, AM.

GPS 4400.

DESCRIPTION

PANEL PNTS.

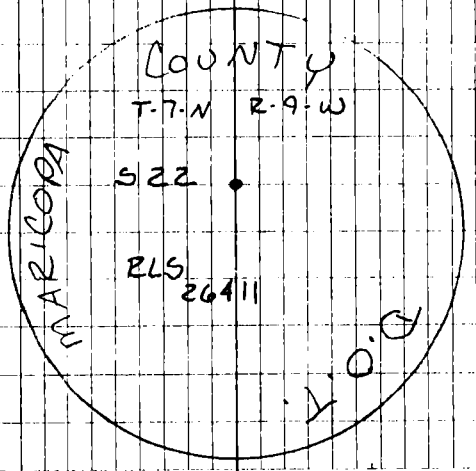
PANEL#		DESCRIPTION.
100	PANELED	SET #4 RB w/ALUM CAP. @ ROUGH CENTER OF SEC. 12 T-7-N R-9-W.
101	PANELED	SET #4 RB w/ALUM CAP @ ROUGH S. 1/4 COR OF SEC 12 T-7-N R-9-W.
102	PAINTED.	END BC IN HH @ THE PROPOSED E 1/4 COR OF SEC 22 T-7-N R-9-W.

"PNT IS LOCATED @ THE SE COR. OF 2 DIRT FARM ROADS." (PANELED)

"PNT IS LOCATED @ THE D. END OF A (DIRT) TEE INTERSECTION OF A N. BOUND & AN E-W. RD." (PANELED)

"PNT IS ON EAGLE EYE RD (PAVED)" (PAINTED.) ASPHAULT @ +.62 ABOVE BC.

#102.



PANELS CONT.

103	PAINTED	FND BC (MARICOPA COUNTY ENGINEERING DEPT.) IN POT HOLE @ 1.5 mi ± N. OF U.S. 60 ON GAGLE EYE RD. (BC IS .45' BELOW ASPHAULT.)	"PROPOSED E 1/4 COR SEC 10 T-7-N R-9-W."
104 ERM	PAINTED	FND BC (MARICOPA COUNTY ENGINEERING DEPT.) IN POTHOLE @ 1.0 mi ± N. OF U.S. 60 ON EAGLE EYE RD. (BC IS .33' BELOW ASPHAULT.)	"PROPOSED SW COR OF SEC. 10 T-7-N R-9-W."
105	PAINTED	SET PK @ & EAGLE EYE RD. ± PROJECTED & CENTENIAL WASH.	NOTE: EAGLE EYE RD. IS PAVED.
106 ERM	PANELED	SET #4 RB W/ALUMINUM CAP @ PROPOSED AREA OF CENTER OF SEC 9, T-7-N R-9-W. PNT SET @ SW. COR OF "T" INTER. (DIRT.); Take Eagle Eye Rd. N. 1.5 mi from U.S. 60, Take Farm Rd. W. 1.5 mi.	

PANELS CONT.

107	PANELED	SET #4 RB w/ALUM. CAP @ PROPOSED AREA OF S 1/4 COR OF SEC 9 T-7-N R-9-W.
108	PANELED	SET #4 RB w/ALUM. CAP @ ℄ N-S SEC 16 T-7N R-9-W. ± N. BANK OF CENTENIAL WASH.
109	PANELED	SET #4 RB w/ALUM. CAP. @ PROPOSED AREA OF THE W 1/4 COR OF SEC 8. T-7-N R-9-W. PNT SET @ E EDGE DIRT RD ± N. BANK DIRT DITCH.
110 ERM	PANELED.	SET #4 RB w/ALUM. CAP @ PROPOSED AREA OF THE SW. COR SEC 8 T-7-N. R-9-W. PNT SET @ SW COR OF 2 DIRT RDS. "+". W. 2.9mi from EAGLE EYE RD on VALLEY RD; @ POWER POLE #B 10; TURN N. 0.4mi on FARM RD.

PNT SET @ SE COR OF 2 DIRT RD's "+".

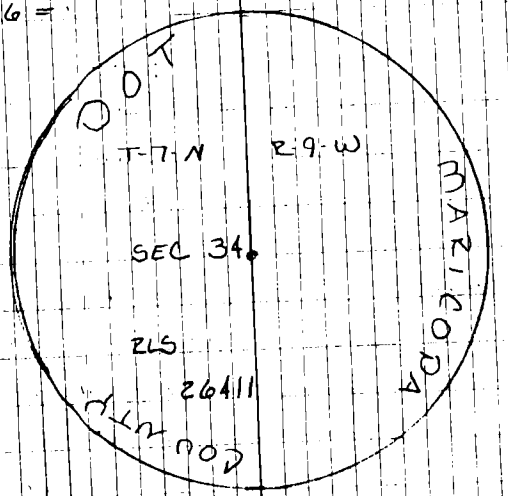
PANELS CONT.

111	PANELED	SET #4 RBC @ 3/4 ± mi 1½" A.C. S. OF P.P. #110 ON THE E. SECTION LINE OF SEC 18 T-7-N, R-9-W.
112	PANELED 1½" A.C.	SET #4 RBC @ .50 mi ± S. OF PNT #111 ALONG E. LINE OF SEC. 19 T-7-N R-9-W. PNT SET 30' S. OF & E'LY ON RUNNING DIRT RD.
113	PANELED 2" A.C.	SET #4 RBC PROPOSED CENTER OF SEC 21 T-7-N R-9-W. PNT SE 75' ± N. OF & U.S. 60 ± IN LINE WITH THE ENTRANCE TO JACK RAIL RANCH (RV). (ENTRANCE ON S. SIDE US.60)
114	PANELED	SET #4 RB w/ALUM. CAP @ 50' S. OF THE NE COR SEC 28, SE COR SEC 21, SW COR SEC. 22, ± NW COR SEC 27. T-7N R-9-W.

PANELS CONT.

115	PAINTED		SET A PK NAIL @ CENTER OF EAGLE EYE RD (PAVED) APROX. 1.25± mi S. OF U.S. 60.
116 ERM	PAINTED		FND BC IN HH @ NE COR. SEC 34 T-7-N R-9-W. (BC IS .58 DOWN FROM TOP OF PAV.)
120	PANELED		SET #4 RB w/ CAP @ PROPOSED CENTER SECTION 24 T-7-N R-9-W. PNT SET @ 10' E. OF CONC DITCH.
121	PANELED		SET #4 RB w/ ALUM. CAP ALONG N-S CENTER SECTION LINE @ .25± mi N. OF U.S. 60.

BC @ 116 =



PANELS CONT.

117	PAINTED		SET PK ON (507TH AVE) EAST LINE OF SEC 26. T-7-N R-9-W. @ 1.75 mi± S. OF U.S. 60.
119	PANELED		SET #4 RB w/ALUM. CAP @ E. LINE OF SEC 25. T-7-N R-9-W. @ 1.25 mi± S. OF U.S. 60.
118	PANELED		SET #4 RB w/ALUM CAP @ 2 mi± S. OF U.S. 60 ON THE E. SIDE OF A DIRT RD. ON THE PROJECTED E. LINE OF SEC. 25 T-7-N R-9-W.

NOTE: 507TH AVE IS PAVED & PART OF A PRIVATE RESIDENTIAL AIR PARK.

"PNT SET @ E EDGE OF DIRT FARM ACCESS RD."

PANELS CONT.

124	PANELED		SET #4 RB w/ALUM. CAP @ .25± mi NORTH OF US 60 & 1.0± mi E. of SR. 71. PNT SET ON W. SIDE OF N.-S. DIRT RD.
125	PANELED		SET #4 RB w/ALUM. CAP @ .5 ± mi S. OF US 60 & 1.0 ± mi E. OF SR 71 ALIGNMENT. PNT SET @ E SIDE of N. & S. DIRT RD.
126	PANELED		SET #4 RB w/ALUM CAP @ 1.25 mi ± S. of US 60 & .60 E of 49TH AVE. PNT SET @ N. SIDE OF E-W DIRT RD. & 8' ± S. OF CONC. DITCH. ERM #126

PANELS CONT.

127	PANELED		SET #4 RB W/ALUM CAP. @ .50± mi S. OF US 60 & 1.0 mi ± E OF 491 ST. AVE. PNT SET @ THE JUNCTION OF AN E & S. BOUND DIRT RD.
128	PANELED		SET #4 RB @ 2.5 mi ± E OF SR 71 & 1.25 mi ± N. OF US 60. PNT SET @ E EDGE OF DIRT RD.
129	PANELED		SET #4 RB @ 2.5 mi ± E OF SR 71 & 1.0 mi N. OF U.S. 60. POINT SET @ THE SE COR OF A N. BOUND & W. BOUND TEE INTER-SECTION.

PANELS CONT.

BASE @ 55 (ANP1) "SEE PG 2"

GRND TO BASE = 5.61

PANEL #			DESCRIPTION
134	PANELED		SET # 4RB @ .25± mi N. OF U.S. 60 ; 3.5 mi± E. OF SR 71. PNT IS ON THE W. SIDE OF A N.S. RUNNING DIRT FARM RD.
123	PANELED		SET #4 RB @ 1.0 mi± N. OF US 60 ; 1.0 mi± E. OF SR 71.
122	PANELED		SET #4 RB @ 1.5 mi± N. OF US 60 ; 1.0 mi± E. OF SR 71.

J. FARNSWORTH ☐, PC.
J. RIOJAS ⊼ Ø.

GPS 4400.

1-22-02 → 1-24-02
SUNNY CLEAR
BREEZY, 38° AM.

DESCRIPTION

PANELS CONT.

BASE @ 55 (ANP1) "SEE PG 2"

GRND TO BASE = 5.61

PANEL #		DESCRIPTION
134	PANELED	SET #4RB @ .25± mi N. OF US.60 ! 3.5mi± E. OF SR 71. PNT IS ON THE W. SIDE OF A N. S. RUNNING DIRT FARM RD.
123	PANELED	SET #4RB @ 1.0 mi± N. OF US 60 ! 1.0mi± E. OF SR 71.
122	PANELED	SET #4RB @ 1.5 mi± N. OF US 60 ! 1.0mi± E. OF SR 71.

J. FARNSWORTH ☐, PC.
J. RIOJAS ☐Ø.

1-22-02 → 1-24-02
SUNNY CLEAR
BREEZY, 38° AM.

GPS 4400.

DESCRIPTION.

PANELS CONT.

130	PANELED	SET #4 RB @ 2.35± mi E OF SR 71 & 1.75± mi N. OF US 60.	
131	PANELED	SET #4 RB @ 3.0± mi E. OF SR 71 & 2.25 mi± N. OF US 60.	"IN DESERT"
5-FEB-2002	L. Eveland J. Riojas ↓		
132 ERM	(Previously Paneled)	FND #4 RB (Placed A.C. 2/5/02) M.P. (US 60) ±88.8, Take Private Residence Rd South, @ 0.3 mi turns to dirt path (still drivable) Stop @ 0.4 mi. A.C. is ±240 East of dirt path. Stamped E.R.M. 132 (2" A.C.)	IN OPEN DESERT
133 ERM	Paneled (Previously)	FND # RB (Placed 2" A.C. 2/5/02) M.P. (US 60) 88.8 Take Private Residence Rd. South 1 mile to Cattle Corral; Smath Shelter @ NW corner of Corral. ALSO THERE IS A S.P. R.R. (TANK) CAR @ N. END OF CORRAL. FROM SE CORNER OF CORRAL GO SOUTH ± 1400' STAMPED (2" A.C.) ERM # 133	

2/5/2002 L. Eveland
J. Riojas

PANELS CONT.

200
ERM

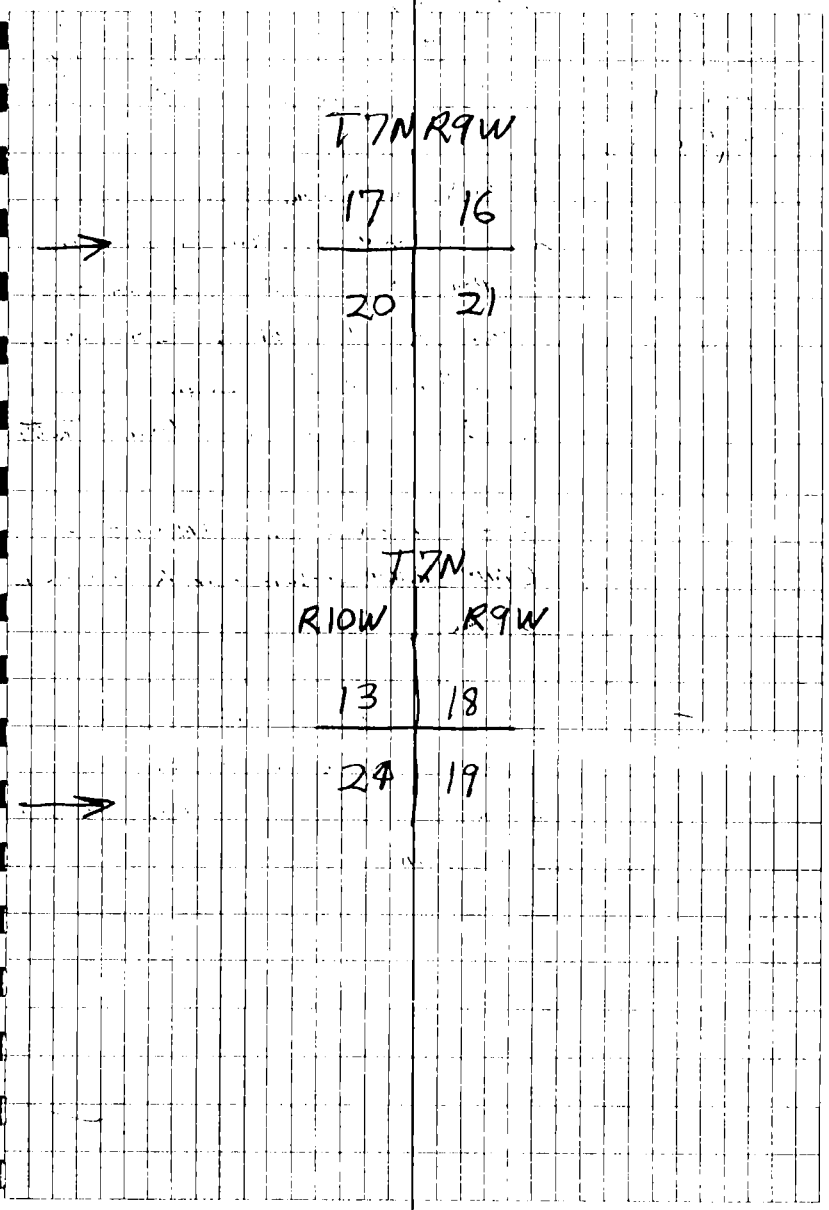
FND #4 R.B. @ ±1.9 miles W. of Eagle Eye Rd. on Valley Rd. Take Valley Rd. W. through the Morton's FARM for ±1.9 mi. 2" A.C. stamped ERM 200 IS ± 30' N. of Wooden Power Pole #1 2/2 @ "T" intersection of a FARM Rd. & Valley Rd. PROPOSED ± Section Corner of FOUR Sections

201-B
ERM

SET #4 R.B. W/ 2" A.C. (NOT a PANEL PT.) ± 180' WEST OF POWER POLE 10 4/1 ; 0.5' SOUTH OF CONCRETE IRR. DITCH.

TAKE EAGLE EYE RD NORTH FROM US 60 TO VALLEY RD, TAKE VALLEY RD. WEST 4.0 mi; STAMPED ERM 201-B ± PROPOSED SEC. COR. OF FOUR SECTIONS. ON A RANGE LN.

NOTE: 201 was located out in VALLEY RD. + was compromised.



PANELS CONT.

2/5/2002
L. Eveland
J. Riojas

202
ERM

FROM US 60 go N. on EAGLE EYE RD.
TURN W. on VALLEY RD; go 4.3 miles
TO POWER POLE #83 (SOUTH EDGE OF RD);
TURN NE (RD is aligned ± 40° NE);
go 0.4 mi. (RD will angle back to ± 0°);
go 0.2 mi (0.6 N. of VALLEY RD);
TURN E. ± 0.1 mi.; 2" A.C. is
± 25' S. of Conc. IRR. CANAL;
CANAL RUNS ALONG NORTH EDGE
OF RD.

148

FROM EAGLE EYE RD. + VALLEY RD
go W. 5.0 mi.; @ the NW corner of
the "Y" intesection; ± 12' S. of Irr.
Canal is the 1½" A.C. stamped
"PP 148"

147

FROM THE "Y" INTERSECTION
(PP 148) WALK S. ± 800' to PP 147;
STAMPED "PP 147"; IN OPEN DESERT

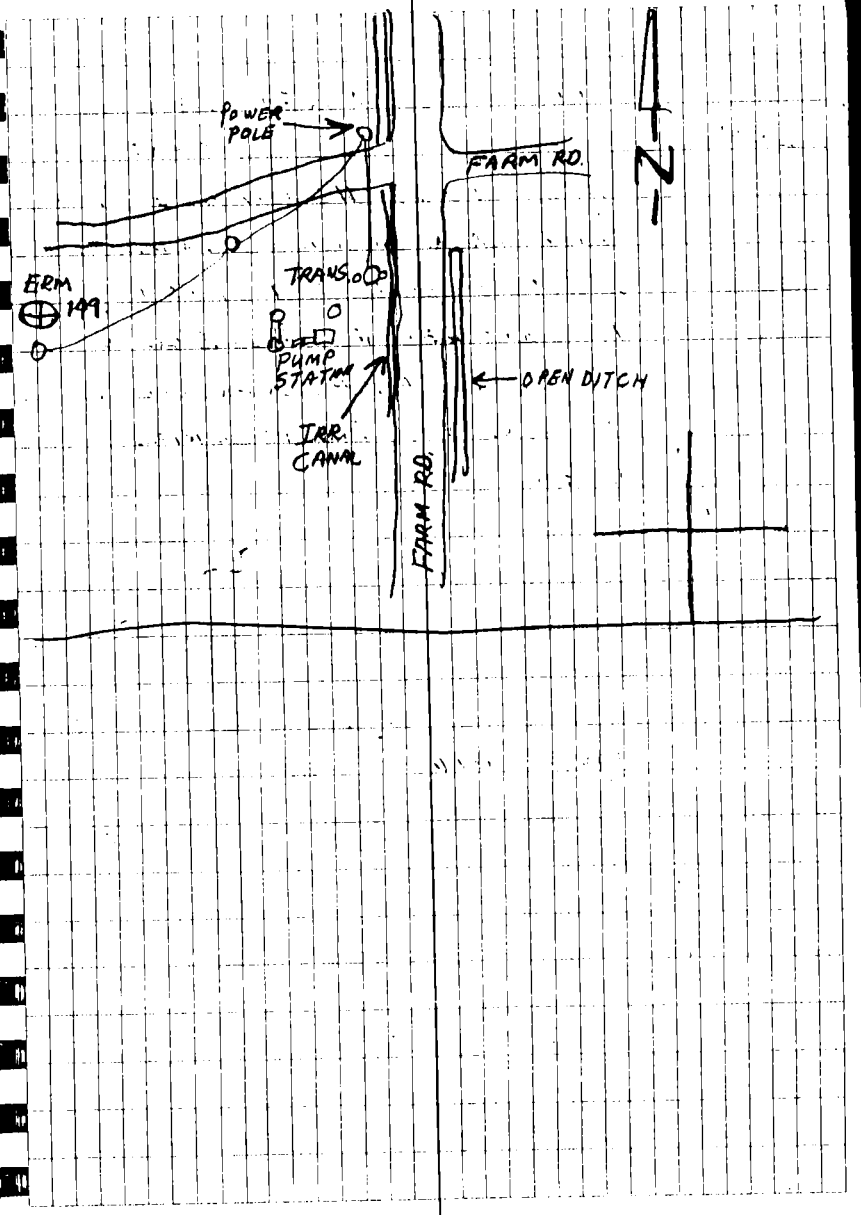
2/6/2002
L. Eveland
J. Riojas

PANELS CONT.

149
ERM

FROM US 60 go N. on EAGLE EYE RD.; TURN W. on VALLEY RD (goes past EAGLE PROD. FARM) @ 5.0 mi.; TURN NE (± 40° NE) on "Y" RD; FOLLOW RD. NE - N. 1.0 mi; @ PUMP STATION & TWIN TRANSFORMER POLE TURN W.; 2" A.C. is ± 600' W. of PUMP STATION; A.C. IS ± 20' NW OF 3RD POWER POLE W. OF PUMP STATION; ± 75' S. of FARM RD. STAMPED ERM 149.

NOTE:
PP 148 is @ the "Y" T.I.



150

FROM "Y" INTERSECTION (5.0 WEST OF EAGLE EYE RD ON VALLEY RD); GO N. 5.6 mi NE - N to "HAYDEN'S" WASH + LEVY; TURN + go 0.15 mi; PP is ± 20' N. of Irr. Canal; just N. of 3' tall barb-wire fence. STAMPED "PP 150"

203

LOCATED @ NW COR. OF US 60 & EAGLE EYE RD; ± 5' NNW OF STOP SIGN
2" A.C. STAMPED "PP 203"

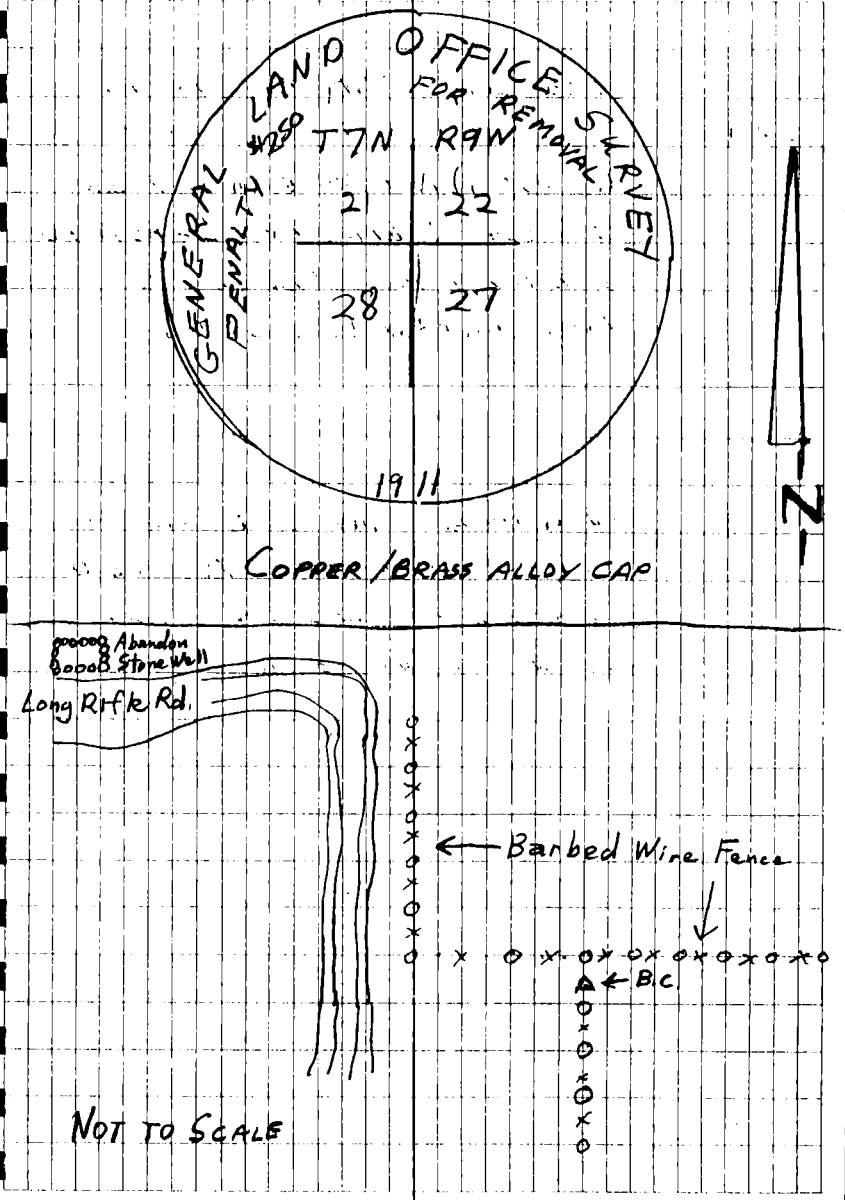
G.L.O.S.
ERM

Sec. Cor. T7N R9W 21 | 22 / 28 | 27

COPPER ALLOY PIPE STUB on 2" dia. Pipe Elevated 1' above M.G. Located between two fence posts Set in 1911.

FROM EAGLE EYE RD, TAKE US 60 W. 1.6 mi; @ Jack Rail Ranch Entrance; go S. 0.2 mi; @ "T" go EAST (LONG RIFLE RD.) for 0.4 mi (@ 0.2 from "T" there is an abandon WELL made of Stone); @ Fence head S. 0.2 mi (follow dirt path along WEST SIDE OF FENCE). SEC. COR. is LOCATED between Two FENCE POSTS.

Photo TAKEN



2/6/2002
L. Eveland
J. Riojas

PANELS CONT. (ERM's)

116
ERM

FROM US 60; Take EAGLE EYE RD, 1.9 miles SOUTH, PP 116 (See pg 10 for detailed description) is ± 50' W. of M.P. 25; It is ℄ of EAGLE EYE RD + PETE RD. PETE RD. is the SW ENTRANCE TO EAGLE'S ROOST AIR PARK. (See pg. 10)

39-D
ERM

FROM US 60; TAKE EAGLE EYE RD 1.9 miles S.; USGS B.C. is LOCATED @ the SE COR. OF THE INTERSECTION. SET IN CONCRETE CUBE 6"x6"x6" STAMPED EL=2219 ft above SEA LEVEL

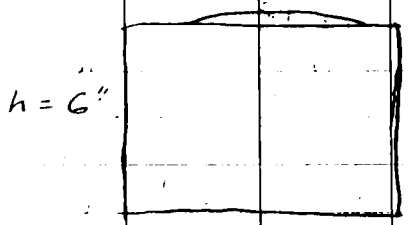


PHOTO TAKEN

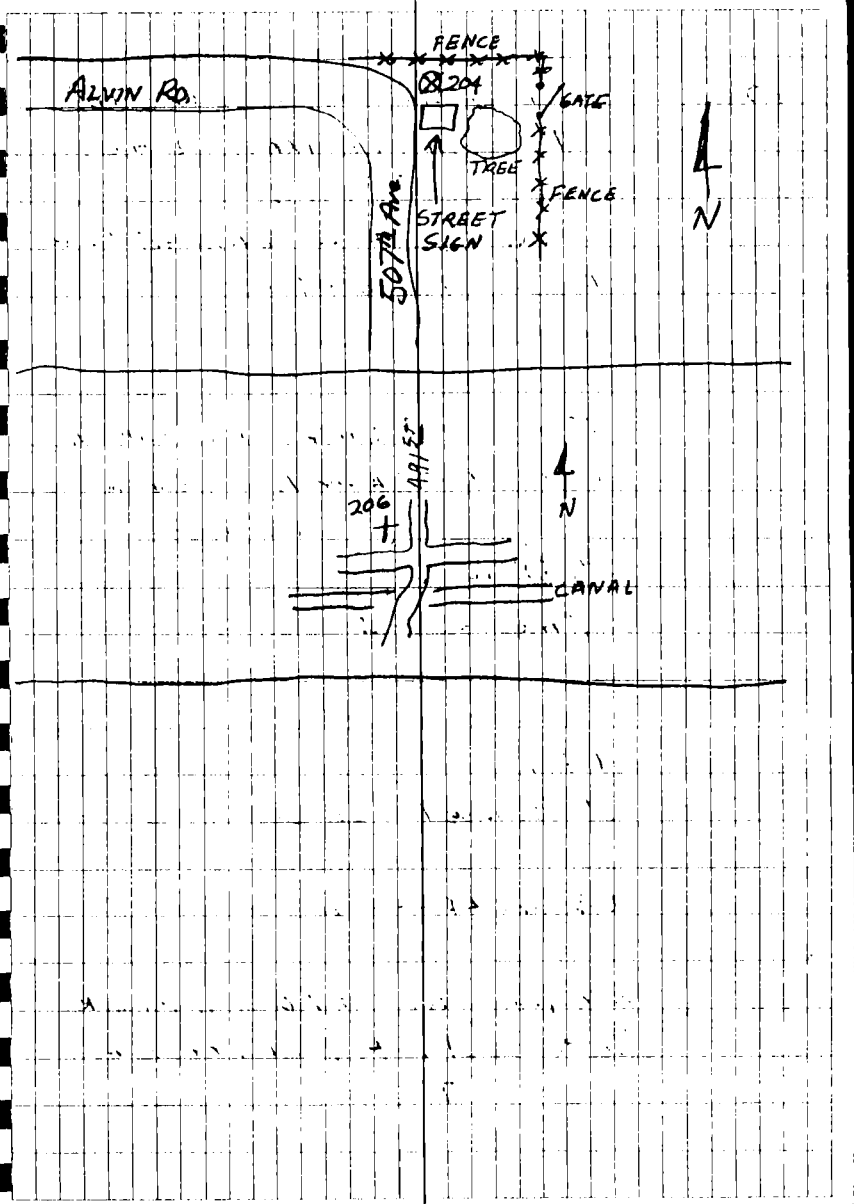
PANELS & ERM's CONT.

204 ERM — FROM US 60; TAKE EAGLE EYE RD, S. 1.9 mi; TAKE ALVIN RD (NW ENTRANCE TO EAGLE ROOST AIRPARK) 0.9 mi E.; 2" A.C. IS @ NE COR. OF ALVIN RD & 507th Ave., ± 15 NW OF DEAD TREE.

206 — US 60 M.P. ± 86.15; Take FARM RD. Ave 491st (FARM HOUSE & EQUIP YARD @ SW COR. OF T.I.) SOUTH 0.9 mi.; 2" A.C. is ± 50' NORTH OF CANAL. NW CORNER OF Farm RD. T.I.

205 ERM — U.S. 60 M.P. ± 86.15; ±40' SOUTH OF E.P. 2" A.C. is @ NW COR. OF T.I.; 15' directly SOUTH OF THORN BUSH. US 60 & 491st AVE.

~~207~~ — Destroyed!, was located ± Sec. Cor. T7NR9W 11 | 12 / 14 | 13 Farm hands were doing extensive earthwork to increase the capacity of existing Water (Pond) TANK. Resetting Pt. at this Time would be futile.



139

± Proposed W. ¼ Cor. of Sec. 12, T7NR8W
±10' N. of barb-wire fence (R.R. R/W)
± 90' S. of R.R. Track; 2" A.C.

A25
ERM

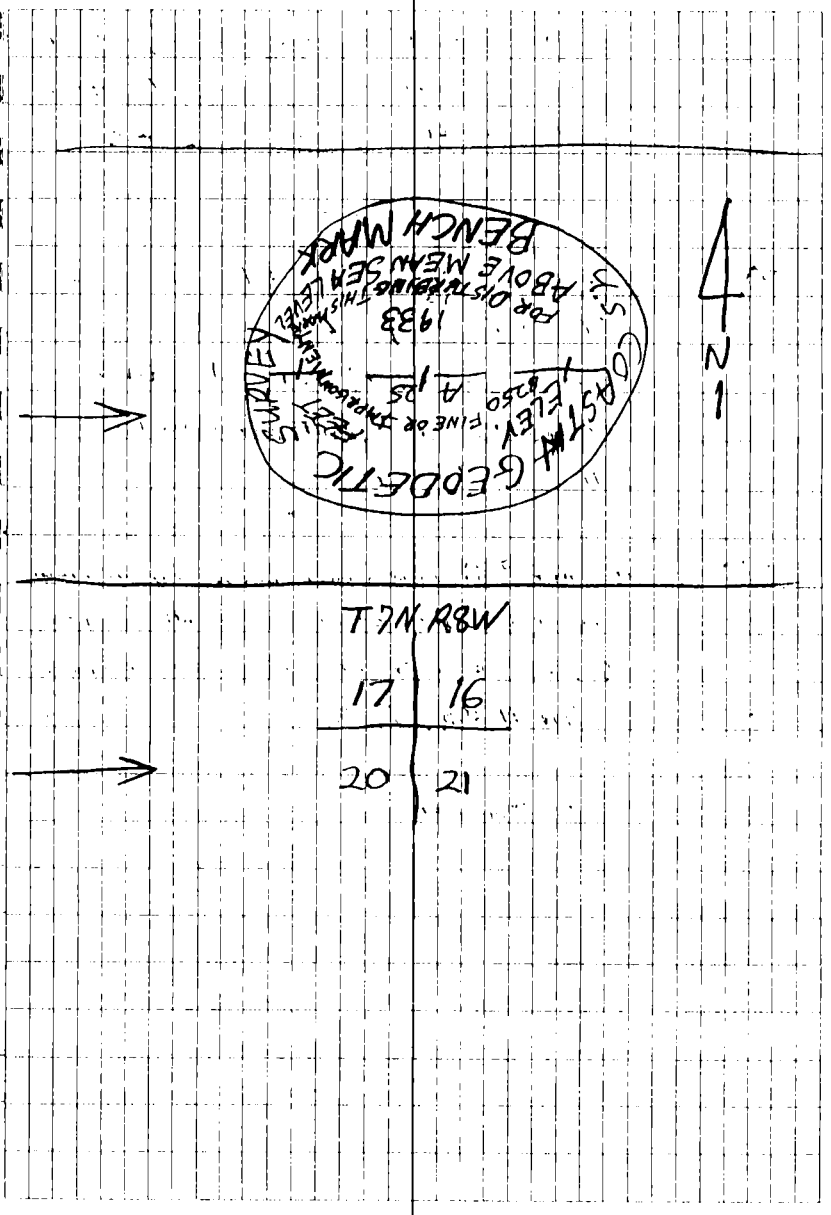
U.S.C.+G.S., B.C.; Elevated 1' above N.G.; Set in 8"x8"x1'h concrete "Pyramid" type base
NO ELEVATION STAMPED ON THE B.C.
Fmp: Near R.R. R/W fence (South side) in Sec. 11; T.7N R8W. No Roads in the area.
Set in 1933
No Photo

209
ERM

2" A.C. Stamped "ERM 209" Set on #4 R.B. @ 2.5 mi East of Az.S.R. 71 along N. side of U.S. 60; ± 25' SW of Steel Power Pole.
I Proposed Sec. Cor.

208
ERM

2" A.C. (on #4 R.B.) is located ± 0.3 mi N. of U.S. 60 on S.R. 71; Turn East just SOUTH OF R.R. Track; Go E. ± 1.6 mi on Farm Rd. (South side of R.R. Track). P.P. is @ SE cor. of "T" in Farm Rd.



142
ERM

AT M.P. ± 89.7 on U.S. 60; head South ± 0.2 mi in the open desert (watch for herds of Cattle). 2" A.C. is set ± 0.1 mi N-NE of Campbell Hill.

140

Take FOUR PAUGH Park Rd. (U.S. 60 m.p. 90.2) N. for 0.3 mi. take dirt road W. (as it curves N. stay on it) follow rd. until it reaches (± 0.7 mi.) Holtman water hole. 2" A.C. on #4 I.P.

1960
ERM

AT M.P. # 84.3 (U.S. 60); LOCATED IN HEAD-WALL OF DRAINAGE STRUCTURE @ NE CORNER OF U.S. 60 + EAGLE EYE RD., Near Sec. CORNER OF T7N R9W $\frac{15 \mid 14}{22 \mid 23}$

PHOTO TAKEN

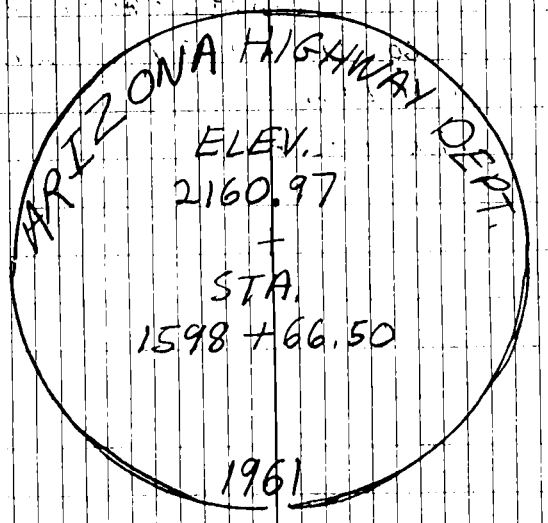
T7N R9W

15 | 14

22 | 23

ARIZONA HIGHWAY DEPT.
ELEV.
2164.79
+
STA.
1636+34.35
1960

1132 ADOT B.C. LOCATED @ SE CORNER OF
ERM U.S. 60 Bridge @ M.P. 83.4; SEC. 22
T7N R9W
PHOTO TAKEN



141 ± 0.2 mi. N. of U.S. 60 (m.p. 90) +
± 0.35 mi W. of FOUR PAUGH PK. RD.
2" A.C. set in open desert on top of a #4 I.B.

144 ± 1.6 mi. N. of U.S. 60 + 0.75 mi E. of
FOUR PAUGH PK. RD. 2" A.C. on a #4 R.B. set
in OPEN DESERT

143 Take FOUR PAUGH PK. Rd. ± 1.0 mi N. of
U.S. 60, TURN E. across OPEN DESERT FOR
± 0.75 mi; Follow the BARBED-WIRE FENCE
to the Sec. Cor. @

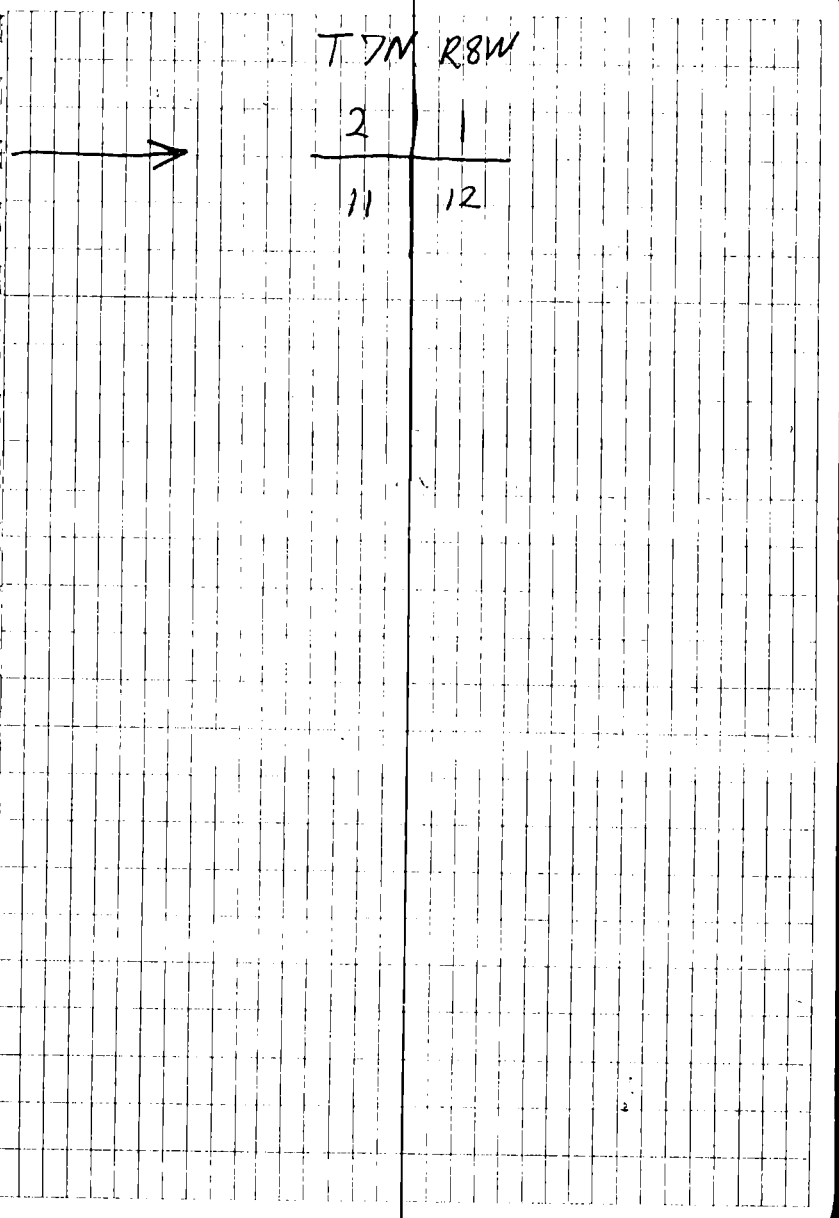
	T7N R9W	T7N R8W
	12	7
	13	18

211 ERM — 2" A.C. (set on 18" L #4 R.B.); From U.S. 60 (M.P. 90.2) Take Four Paugh Pk. Rd. ± 2.1 mi. N.; After crossing over R.R. Track, Take Ranch Rd NW (must get permission to procede through gate) for ± 0.75 mi.; PP is ± 600' W. of Rd. ± Sec. Cor.

139 — 2" A.C. set on #4 I.P. ± 2.0 mi. N. of U.S. 60 + ½ mi W. of Four Paugh Pk. Rd. Just South of R.R. Track along Barb-wire fence.

145 — 2" A.C. Set on #4 I.P. ± 2.5 mi. N. of U.S. 60; ± 0.5 mi. E. Four Paugh Pk. Rd.; ± 0.3 mi NW of Main Ranch house.

146 — 2" A.C. Set on #4 I.P. ± 0.8 mi N. of Main Ranch House (Four Paugh Ranch) U.S. 60 (M.P. 90.2); Take Four Paugh Pk Rd ± 2.0 mi. N., Turn E. @ "T" just N. of R.R. Track; Enter 4 Paugh Ranch (get permission from main house); follow road N. from Ranch House ± 0.6 mi; Turn W. @ gate; Follow dirt path along fence ± 0.15. PP is ± 250' N. of Fence in Open Pasture.



Note: Due to time + darness the following pts.
Need to be capped, located, + described.

122	212	138
123	137	
130	136	
131	135	

Section Corner Caps still need to be measured near panel points 135 & 143.

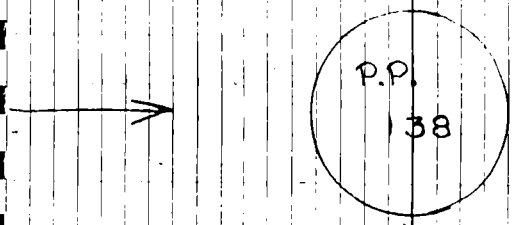
PANEL PNT'S CONT.

J. FARNSWORTH
J. RIOJAS

2-14-02
CLOUDY, 70°
CALM, NOON.

GPS 4400

PNT	CODE	DESCRIPTION.
138	PP	POINT IS LOCATED IN THE CENTER OF THE DESERT @ APPROX. 2.75 mi ± N. OF US 60 & 4.75 mi ± E OF SR 71. (SET #4 RB w/ ALUM. CAP.)
135	PP	POINT IS LOCATED IN THE CENTER OF THE DESERT @ APPROX. 4.00 mi ± E OF SR 71 & 1.00 mi ± N. OF US 60. (SET #4 RB w/ ALUM. CAP.)



PNT	CODE		DESCRIPTION.
136	PP		SET #4 RB w/ALUM. CAP @ 1.75 mi ± N OF US 60 ; 4.00mi ± E. OF SR 71.
212	P.P.		SET #4 RB w/ALUM. CAP @ 2.00 ± mi. N. OF US 60 ; 4.00 mi ± E. OF SR 71.
137	P.P.		SET #4 RB w/ALUM. CAP @ 2.50 mi ± N. OF US 60 ; 4.00 mi ± E. OF SR 71.

L. Eveland (P.C.) - [illegible] + Photos — 7-Feb-2002
J. Riojas - T
BASE @ #56 (40Q1) HI = 5^62

TOPOGRAPHY OF DRAINAGE STRUCTURE ON A2SR*71 M.P.*?

Shots Start @ 70'

APRON IS CLEAR + FREE OF DIRT

ASA. 200 Kodak Color Film

	#	Time	f/Stop - Shutter sl		mm (lens)
Photos:	1	13:00	22/60	±75'	28mm
	2	13:08	22/60	±80'	50mm
	3	13:25	22/60	±80'	50mm
	4	13:30	20/60+	±50'	35mm
	5	13:45	22/60	±80'	28mm
	6	13:48	22/60	±30'	28mm
	7	13:52	22/125	±50'	28mm
	8	13:55	22/125	±60'	28mm
	9	13:58	22/125	±60'	28mm

PIPES are 84" Tall . . . WHITE BOARD is 2'w x 3'h

Looking (West) Downstream @ East Face of structure

NE COR. OF STRUCTURE, RIPRAP @ END OF DITCH THAT COMES FROM THE NORTH ALONG THE EAST EDGE OF SR 71

SE COR. OF STRUCTURE / FILL DIRT NEXT TO APRON

Looking (East) Upstream @ East side apron

Looking (East) Upstream @ WEST FACE of Structure

Looking @ WEST SIDE Rip Rap from South Looking North

RIP RAP

WEST SIDE @ South end Looking NORTH

EAST SIDE @ South end Looking North

L. Eveland (C.C.) - #3
J. Riojas (I.T.) - 1

7-Feb-2002

TOPOGRAPHY OF US 60 Bridge @ m.p. #83.4

U.S. 60 BRIDGE: START @ #1001

R.R. Bridge: Start @ #1501

U.S. 60 BRIDGE DRAW LINES FROM

#1176 → #1254
#1049 → #1122

#1132 B.C. @ SE END OF BRIDGE

L. Eveland - P.C. [illegible]
J. Riojas - π

Cont. X-sections
Base @ #56 (40Q1) π = 5 65
Starting Pt. = 371

4-Feb-2002
Clear + Sunny
Wind NE 5-10 mph
11:00 A.S.T.
18:00 Zulu

L. Eveland (P.C.) - [illegible]
J. Riojas (I.T.) - π

BASE @ #56 (40Q1) π = 5 55
Cont. X-Sections + Setting A.C.'s
Starting with finishing Section #13

5-Feb-2002
Clear, Sunny, Calm
07:30 A.S.T.
14:30 Zulu

L. Eveland (P.C.) - [illegible]
J. Riojas (I.T.) - π

BASE @ #24 (4001) π = 5 88
Cont. X-Secs. + Setting Caps

6-Feb-2002
Clear, Sunny, + Calm
14:45 A.S.T.
21:45 Zulu

L. Eveland - (P.C.) - [illegible]
J. Riojas - (I.T.) - π

Base @ #56 (40Q1) π = 5 63
TOPO'S

7-Feb-2002, Thur.
07:30 A.S.T.
14:30 Zulu

SEC	#1	300 - 304
"	#2	310 - 314
"	#3	320 - 327
	#A	330 - 342
	#5	350 - 356
	#6	360 - 367
	#7	370 - 379
	#8	380 - 383
	#9	390 - 401
	#10	410 - 419
	#11	420 - 429
	#12	430 - 442
	#13	450 - 460

ALONG ℄ DIRT RD (E-W) RUNNING

SHOT ALONG E.W. RUNNING DIRT RD.

"

SHOT ALONG N.S. RUNNING DIRT RD.

SHOT ALONG E,W, RUNNING DIRT RD.

SHOT ALONG S.℄ OF U.S 60.

SHOT @ ℄ PAVED RD RUNNING E & W. Pavement thinned to dirt

SHOT @ ℄ PAVED RD running E & W (Willis Rd.)

Shot dirt @ ℄ of Farm Rd. (E-W)

SHOT ℄ of Farm Field Rd. (E-W)

SHOT ℄ of Hwy (71) (S-N)

Shot ℄ of Farm Rd. (S-N) some shots on South end shot on top of Levy due to planted crops.

EP's (South Shoulder of US 60) from MP 85 →

L. Evelnad (C.C.) - [illegible] & Photos
J. Riojas (I.T.) - A

BASE @ #58 (4NR1) H.I. = 5.71
TOPO'S cont.

7-Feb-2002
15:00 A.S.T.
22:00 Zulu
P.M. Session

L. Evelnad (C.C.) - [illegible]
J. Riojas (I.T.) - A

BASE @ #58 (4NR1) H.I. = 5.63

8-Feb-2002
09:00 A.S.T.
16:00 Zulu

X-Sections cont

#14 - 470 → 480 Shots along South EP of US 60

#15 - 490 → 495 Shots along South EP of US 60

#16 - 500 → 515 Shots along South EP of US 60

#17 - 520 → 531 Shots along Farm Rd. for 1 mile (W-E) (1st ½ mi. on Farm Rd. / 2nd ½ mi. along fence in OPEN DESERT/PASTURE)

#18 - 540 → 549 Shots taken along E of 4 Paugh Ranch Rd. (E-W) Started @ Entrance to 4 Paugh Ranch & Finished along N side of R.R. tracks

#19 - 550 → 554 Shots taken along E-W Fence Line (South R.R. R/W)

#20 - 560 → 568 Shots Taken in OPEN Cattle area

#21 - 570 → 581 Shots Taken along Farm Rd. (N-S)

#22 - 590 → 604 Shots along FARM Rd. (E-W)

#23 - 610 → 620 Shots along Farm Rd. (E-W)

Pt. #	L. Eveland (C.C.) - π +	HI	J. Rigjas - (I.T.) - ¢ −	EL.	2/8/2002	DESCRIPTION
58				2161^{22}		GDACS #58 (4NR1)
	6^{55}	2167^{77}				
1			4^{82}	2162^{95}		T.P. (all T.P. are Paint Dots on E.P. of U.S. 60)
	5^{44}	2168^{39}				
2			4^{42}	2163^{97}		T.P.
	5^{58}	2169^{55}				
3			4^{40}	2165^{15}		T.P.
	5^{40}	2170^{55}				
4			4^{10}	2166^{45}		T.P.
	5^{60}	2172^{05}				
113			8^{66}	2163^{37}		P.P. # 113 (G.P.S. EL = 2163^{42})
24				2309^{45}		GDACS #24 (4001) 2/8/2002 L. Eveland - π J. Riojas - ¢
	15^{07}	2324^{52}				
1			12^{78}	2311^{74}		T.P.
	6^{22}	2317^{96}				
2			4^{78}	2313^{18}		T.P.
	5^{07}	2318^{25}				
3			4^{89}	2313^{36}		T.P.
	5^{92}	2319^{18}				
4			5^{22}	2313^{96}		T.P.
	6^{02}	2319^{98}				
5			5^{76}	2314^{22}		T.P.
	5^{67}	2319^{89}				
144			5^{31}	2314^{58}		P.P. # 144 (G.P.S. EL = 2314^{51})

SOKKIA

ECONOMY
FIELD BOOK

DTM

ALTUILA

Book 2 of 2

No. 8152-05

5048.0003

PANEL PNT. CHECK SHOTS.

BASE @ 58 (ANRI) "SEE BOOK 1 PG 3"

GRND TO BASE = 5.56

PNT	CODE	DESCRIPTION
2113	P.P.	2ND SHOT ON P.P. #113.
2116	P.P.	2ND SHOT ON P.P. #116
2203	P.P.	2ND SHOT ON P.P. #203
2103	P.P.	2ND SHOT ON P.P. #103
2209	P.P.	2ND SHOT ON P.P. #209

ADD 2000

SAME PANEL #

J. FARNSWORTH III, PC
J. ROJAS JR, Ø.

8/14/02
CLOUDY 56°
CALM AM

GPS 1100

DESCRIPTION

19-MARCH-2002
TUESDAY

Lance Eveland (C.C.)
Jeremiah Riojas (I.T.)

TRIMBLE 4400 GPS

09:40 AST
14:40 ZULU
47° cool
Clear Sunny
Wind NW @ 0mph

JOB# CHK50480319LE

π @ 58 (4NR1) (See pg #3, bk. #1)

HI = 5^{54} (Iron Pin to Dish)
Checked 4 Times!

Pt. #	CODE	DESCRIPTION
1	119CHK	PP 119
2	107CHK	PP 107
3	111CHK	PP 111
4	56 CHK	GDACS #56 (40 Q1)
5	100CHK	PP 100
6	103CHK	PP 103
7	104 CHK	PP 104
8	116 CHK	PP 116
9	115 CHK	PP 115

Pt. #	CODE	DESCRIPTION
10	203 CHK	PP 203
11	111 CHK2	PP 111 (2nd shot)
12	107 CHK2	PP 107 (2nd shot)
13	205 CHK	PP 205
14	119 CHK2	PP 119 (2nd Shot)
15	206 CHK	PP 206

JOB # C48030322RH

22-MARCH-2002
FRIDAY

Randy Hagen
Lance Eveland

07:30 AST
14:30 Zulu
Clear / Sunny
48°
WIND: E @ 8 mph

$\overline{\Pi}$ @ #58 (GDACS #4NR1)
HI = 5^{79}

Pt. #	CODE	DESCRIPTION / NOTES
2500	CHK	#56 (GDACS 40Q1)
2501	CHK	200
2502	CHK	200
2503	CHK	111
2504	CHK	111
2505	CHK	112
2506	CHK	112
2507	CHK	148
2508	CHK	148
2509	CHK	147
2510	CHK	147
2511	CHK	147
2512	CHK	149
2513	CHK	149
2514	CHK	202
2515	CHK	202

ΔN: 0.011
ΔE: 0.035
ΔEL: -0.117

2516	CHk	110
2517	elHk	110
2518	CHk	56

26-MARCH-2002
TUESDAY
08:30 A.S.T.
15:30 Zulu

Lance Eveland
Jeremiah Rivas

Sunny / Clear
58° / Calm

4800 TRIMBLE GPS
Continued Panel Mt. Checks

C4803032GLE

T@ # 56 (GDACS #40Q1)
H.I. = 5.50 (2x)

Pt. #	Code	Description		
3000	CHK 58			
3001	CHK 58			
3002	CHK 55			
3003	CHK 55			
3004	CHK 105			
3005	CHK 105			
	CHK 109	DESTROYED!		
	CHK 109			
3006	CHK 106			
3007	CHK 106			
3008	CHK 108			
3009	CHK 108			
3010	CHK 114			
3012	CHK 114			
3011	GLO 1911	T7N R9W	21	22
3013	GLO 1911		28	27
3014	CHK 102			
3015	CHK 102			

HAD TOO MUCH TROUBLE INITIALIZING DURING THE SESSION.

Pg. #19 (BK. #1)

Pt. #	Code	DESCRIPTION
3016-23	NG	X-SEC. #1 (along NORTH Side of Rd.)
3024-32	NG	X-SEC. #2 (SOUTH Lane of Dirt Rd.)
3033-43	NG	X-SEC. #3 (along NORTH Edge of Rd.)
3044	CHK 150	-
3045	"	
3046	"	
✓ 203		H- 0.027

27-MARCH-2002
WEDNESDAY

Lance Eveland
Jeremiah Riojas

07:45 A.S.T.
14:45 UTM
SUNNY/CLEAR
55° / Calm

4800 TRIMBLE

C 480303271E
cont. PP checks

T@ * 56 (GDACS 40Q1)
H.I. = 5 3/4 (2x)

Pt. #	CODE	DESCRIPTION
3050	CHK 55	GDACS #4NP1
3051	CHK 55	
3052	CHK 100	
3053	CHK 100	
3054	CHK 101	
3055	CHK 101	
		PP# 207 DESTROYED!
3056	CHK 209	
3057	CHK 209	
3058	CHK 117	
3059	CHK 117	
3060	CHK 205	
3061	CHK 205	
3062	CHK 206	
3063	CHK 206	
3064	CHK 119	
3065	CHK 119	bad Pt.!

Pt. #	CODE	DESCRIPTION
3066	Chk 124	
3067	CHK 124	
3068	CHK 125	
3069	CHK 125	
3070	CHK 126	POSSIBLY DISTURBED
3071	CHK 126	
3072	CHK 133	
3073	CHK 133	
3074	CHK 127	
3075	CHK 127	
3076	CHK 132	
3077	CHK 132	
CHK TO 55		
3078	CHK 134	
3079	CHK 134	
3080	CHK 135	
3081	CHK 135	
3082	GLO BC	0.5' above ground on 2" pipe
3083	GLO BC	T7NR8W 10 | 11 15 | 14
3084	GLO BC	10 | 11 — 2" PIPE 1/2' Tall
3085		1/4 COR.

Pt. #	CODE	DESCRIPTION
3086	CHK 136	
3087	CHK 136	
3088	CHK 212	
3089	CHK 212	
3090	GLO	
3091	BC	T7N R8W
3092	CHK 210	3 | 2
3093	CHK 210	10 | 11

1911

2" PIPE 1' Tall

V to PP #100

SECTION 2
RTK DATA COLLECTION

	FCD CONTRACT2001CO51 - AGUILA			
	STRUCTURE AND CROSS SECTION DATA			
24A	1083562.894	359559.921	2309.386	4001
57	1056800.271	333848.221	2205.234	4MQ1
57A	1056800.262	333848.278	2205.259	4MQ1
55	1072725.22	342636.788	2241.825	4NP1
55A	1072725.207	342636.765	2241.870	4NP1
58	1071350.689	312185.869	2161.170	4NR1
58A	1071350.705	312185.863	2161.099	4NR1
24	1083562.919	359559.933	2309.451	4OO1
56	1088192.086	329859.181	2242.930	4OQ1
56A	1088192.116	329859.167	2242.995	4OQ1
1031	1071879.641	314101.21	2162.428	ABUT
1032	1071879.713	314101.554	2162.412	ABUT
1033	1071881.53	314100.851	2162.470	ABUT
1034	1071881.191	314101.27	2162.462	ABUT
1035	1071881.988	314101.222	2162.480	ABUT
1036	1071883.131	314104.262	2162.446	ABUT
1037	1071884.105	314108.154	2162.457	ABUT
1038	1071882.983	314108.435	2162.433	ABUT
1039	1071882.351	314108.729	2162.428	ABUT
1113	1071938.454	314336.179	2162.400	ABUT
1114	1071938.388	314335.868	2162.393	ABUT
1115	1071939.777	314335.462	2162.464	ABUT
1116	1071940.149	314335.686	2162.451	ABUT
1117	1071940.488	314335.166	2162.410	ABUT
1118	1071940.437	314333.312	2162.450	ABUT
1119	1071939.727	314330.093	2162.408	ABUT
1120	1071939.195	314327.885	2162.422	ABUT
1121	1071938.012	314328.157	2162.412	ABUT
1169	1071982.957	314324.972	2162.489	ABUT
1170	1071982.894	314324.684	2162.517	ABUT
1171	1071981.568	314325.381	2162.493	ABUT
1172	1071981.427	314325.022	2162.510	ABUT
1173	1071980.92	314325.393	2162.519	ABUT
1174	1071980.604	314325.066	2162.523	ABUT
1175	1071979.074	314320.253	2162.488	ABUT
1187	1071979.596	314317.684	2162.515	ABUT
1248	1071924.226	314090.325	2162.520	ABUT
1249	1071924.131	314090.004	2162.509	ABUT
1250	1071922.836	314090.712	2162.507	ABUT
1251	1071922.453	314090.508	2162.502	ABUT
1252	1071922.127	314091.035	2162.518	ABUT
1253	1071922.526	314094.333	2162.529	ABUT
1254	1071925.371	314097.898	2162.493	ABUT
1255	1071923.51	314098.262	2162.534	ABUT
1049	1071882.371	314108.728	2162.431	ABUT COR.
1122	1071937.328	314328.258	2162.435	ABUT COR.
1176	1071980.337	314317.465	2162.491	ABUT COR.
1040	1071879.754	314101.695	2164.302	ABUT WALL
1041	1071881.083	314101.304	2164.311	ABUT WALL

1042	1071881.913	314104.596	2164.308	ABUT WALL
1043	1071880.558	314104.977	2164.345	ABUT WALL
1044	1071880.6	314105.054	2164.927	ABUT WALL
1045	1071881.927	314104.767	2164.932	ABUT WALL
1046	1071881.527	314108.796	2164.921	ABUT WALL
1047	1071882.825	314108.435	2164.934	ABUT WALL
1123	1071939.675	314335.384	2164.320	ABUT WALL
1124	1071938.37	314335.731	2164.293	ABUT WALL
1125	1071938.906	314332.066	2164.340	ABUT WALL
1126	1071937.486	314332.38	2164.320	ABUT WALL
1127	1071937.45	314332.275	2164.929	ABUT WALL
1128	1071938.852	314331.977	2164.942	ABUT WALL
1129	1071936.585	314328.563	2164.976	ABUT WALL
1130	1071937.923	314328.223	2164.936	ABUT WALL
1177	1071982.826	314324.551	2164.336	ABUT WALL
1178	1071981.483	314324.902	2164.361	ABUT WALL
1179	1071980.608	314321.617	2164.386	ABUT WALL
1180	1071982.032	314321.264	2164.422	ABUT WALL
1181	1071981.995	314321.141	2165.001	ABUT WALL
1182	1071980.628	314321.523	2164.988	ABUT WALL
1183	1071979.732	314317.757	2164.989	ABUT WALL
1184	1071981.045	314317.432	2164.991	ABUT WALL
1256	1071922.897	314090.795	2164.367	ABUT WALL
1257	1071924.251	314090.457	2164.342	ABUT WALL
1258	1071925.117	314093.751	2164.366	ABUT WALL
1259	1071923.733	314094.138	2164.356	ABUT WALL
1260	1071923.758	314094.262	2164.997	ABUT WALL
1261	1071924.347	314093.75	2165.001	ABUT WALL
1262	1071925.087	314093.878	2165.020	ABUT WALL
1263	1071926.032	314097.553	2165.000	ABUT WALL
1264	1071924.757	314097.953	2165.005	ABUT WALL
1132	1071939.982	314334.582	2162.441	ADOT BC
1960	1072918.454	317973.577	2165.911	ADOTBC
728	1075923.685	328503.909	2198.920	APRON
729	1075911.417	328503.879	2198.870	APRON
732	1075906.634	328503.917	2198.833	APRON
733	1075896.64	328503.847	2198.853	APRON
736	1075886.994	328503.854	2198.852	APRON
737	1075876.537	328503.896	2198.785	APRON
740	1075872.234	328503.933	2198.714	APRON
741	1075871.862	328502.951	2198.789	APRON
742	1075866.505	328504.198	2198.926	APRON
743	1075847.856	328504.307	2198.738	APRON
744	1075835.632	328504.225	2198.663	APRON
745	1075830.566	328503.96	2199.295	APRON
748	1075826.312	328515.109	2201.626	APRON
749	1075829.212	328515.02	2201.248	APRON
750	1075823.477	328524.506	2203.506	APRON
754	1075830.603	328503.979	2199.280	APRON
755	1075835.639	328504.187	2198.637	APRON
756	1075847.897	328504.257	2198.713	APRON

757	1075847.464	328493.531	2196.123	APRON
758	1075841.895	328493.306	2196.032	APRON
759	1075834.728	328493.188	2197.098	APRON
763	1075838.187	328484.294	2195.289	APRON
766	1075847.325	328484.396	2194.030	APRON
767	1075857.017	328484.351	2193.880	APRON
773	1075911.758	328502.736	2198.891	APRON
777	1075927.406	328484.297	2193.922	APRON
778	1075865.713	328484.231	2190.064	APRON
780	1075875.355	328484.097	2189.802	APRON
782	1075883.744	328484.134	2189.815	APRON
784	1075890.907	328484.131	2189.780	APRON
786	1075899.121	328484.132	2189.760	APRON
788	1075903.157	328484.113	2189.713	APRON
790	1075909.008	328484.135	2189.672	APRON
792	1075918.307	328484.177	2189.697	APRON
794	1075910.949	328502.847	2189.951	APRON
799	1075876.334	328502.888	2189.845	APRON
800	1075886.681	328502.85	2189.877	APRON
801	1075896.292	328502.833	2189.860	APRON
802	1075906.355	328502.841	2189.875	APRON
803	1075872.701	328502.922	2189.908	APRON
879	1075824.447	328587.953	2199.717	APRON
880	1075840.312	328588.268	2199.841	APRON
881	1075854.538	328588.423	2199.828	APRON
882	1075861.953	328588.35	2199.819	APRON
883	1075869.994	328588.515	2199.744	APRON
884	1075874.899	328588.241	2199.748	APRON
885	1075884.655	328588.245	2199.800	APRON
886	1075894.496	328588.256	2199.776	APRON
887	1075904.496	328588.231	2199.748	APRON
888	1075908.949	328588.376	2199.708	APRON
889	1075915.06	328588.323	2199.733	APRON
890	1075924.827	328588.311	2199.651	APRON
891	1075934.424	328588.283	2199.633	APRON
892	1075862.044	328577.968	2201.485	APRON
893	1075824.492	328592.652	2198.450	APRON
894	1075840.359	328592.677	2198.517	APRON
895	1075854.551	328592.851	2198.457	APRON
896	1075854.399	328600.241	2196.594	APRON
897	1075858.493	328599.86	2196.542	APRON
898	1075910.128	328589.566	2199.672	APRON
899	1075915.034	328594.479	2198.295	APRON
900	1075920.591	328600.002	2196.701	APRON
923	1075867.637	328600.273	2190.517	APRON
924	1075874.458	328600.259	2190.533	APRON
925	1075884.428	328600.352	2190.501	APRON
926	1075891.303	328600.347	2190.509	APRON
927	1075895.481	328600.31	2190.531	APRON
928	1075900.694	328600.345	2190.558	APRON
929	1075905.558	328600.353	2190.530	APRON

930	1075912.357	328600.189	2190.625	APRON
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1003	1071860.375	314015.561	2161.703	BC
1005	1071859.299	314019.108	2161.436	BC
1007	1071857.202	314020.505	2160.977	BC
1009	1071842.027	314023.92	2156.776	BC
1012	1071842.954	314029.134	2156.782	BC
1013	1071858.505	314025.644	2160.898	BC
1015	1071861.307	314025.791	2161.480	BC
1017	1071863.735	314028.347	2161.743	BC
1027	1071880.784	314097.016	2161.831	BC
1133	1071940.053	314336.131	2161.763	BC
1136	1071941.738	314338.932	2161.711	BC
1149	1071960.795	314415.831	2161.917	BC
1151	1072001.738	314408.242	2161.593	BC
1165	1071981.27	314327.826	2161.847	BC
1266	1071922.555	314089.983	2161.786	BC
1268	1071920.652	314085.895	2161.789	BC
1282	1071903.645	314017.528	2161.741	BC
1284	1071904.126	314014.623	2161.678	BC
1286	1071905.537	314013.966	2161.450	BC
1288	1071924.444	314007.747	2156.084	BC
1291	1071923.315	314003.078	2155.821	BC
1292	1071903.814	314008.433	2161.481	BC
1294	1071901.975	314007.727	2161.539	BC
1296	1071900.787	314005.792	2161.758	BC
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703	1075899.311	328545.671	2204.235	CL
704	1075848.721	328545.059	2204.370	CL
705	1075797.525	328544.301	2204.260	CL
706	1075745.664	328543.748	2204.127	CL
1501	1072049.004	314043.002	2160.719	CL
1502	1072054.276	314064.841	2160.789	CL
1503	1072059.427	314084.944	2160.793	CL
1504	1072064.547	314105.687	2160.847	CL
1505	1072069.484	314125.708	2160.870	CL
1506	1072074.631	314146.458	2160.860	CL
1507	1072079.771	314166.682	2160.893	CL
1508	1072084.791	314186.885	2160.923	CL
1509	1072089.901	314207.029	2160.933	CL
1510	1072094.832	314227.02	2160.992	CL
1511	1072100.171	314248.388	2161.021	CL
1512	1072105.034	314267.823	2161.005	CL
1513	1072110.25	314288.31	2161.035	CL
1514	1072115.088	314308.444	2161.036	CL
1515	1072120.3	314329.224	2161.016	CL
1303	1071883.77	314022.797	2161.787	CL US 60
1304	1071888.379	314040.748	2161.799	CL US 60
1305	1071892.686	314058.128	2161.769	CL US 60

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1309	1071911.734	314135.639	2161.979	CL US 60
1310	1071914.237	314145.183	2161.982	CL US 60
1311	1071916.759	314154.225	2161.997	CL US 60
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1313	1071921.37	314173.37	2161.931	CL US 60
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1315	1071928.621	314202.967	2161.925	CL US 60
1316	1071930.828	314212.645	2161.887	CL US 60
1318	1071936.402	314233.455	2161.890	CL US 60
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747	1075822.034	328515.114	2203.352	EDGE APRON
751	1075822.101	328524.505	2203.827	EDGE APRON
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832	1075863.124	328480.373	2193.257	EDGE RIPRAP
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457	1072847.896	326216.381	2192.221	EP
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494	1072628.046	345147.422	2249.279	EP
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1216	1071952.212	314212.929	2162.334	FC
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1221	1071948.514	314198.101	2162.387	FC
1224	1071946.05	314188.315	2162.416	FC
1227	1071943.693	314178.921	2162.430	FC
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1236	1071936.353	314149.714	2162.447	FC

1239	1071933.876	314139.778	2162.430	FC
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1245	1071928.125	314116.949	2162.524	FC
1267	1071922.125	314090.202	2161.751	FC
1269	1071920.154	314085.856	2161.766	FC
1283	1071903.193	314017.629	2161.592	FC
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1287	1071904.975	314012.974	2161.031	FC
1289	1071924.299	314007.178	2155.678	FC
1290	1071923.463	314003.847	2155.662	FC
1293	1071904.031	314009.502	2161.054	FC
1295	1071901.4	314008.481	2161.375	FC
1297	1071900.266	314006.025	2161.589	FC
1299	1071898.515	313998.654	2161.720	FC
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797	1075887.002	328502.883	2190.318	FL
798	1075876.626	328502.918	2190.281	FL
906	1075883.391	328621.381	2191.198	FL
909	1075874.918	328589.364	2191.334	FL
910	1075884.716	328589.359	2191.378	FL
911	1075894.504	328589.305	2191.313	FL
912	1075904.442	328589.243	2191.291	FL
913	1075908.961	328589.289	2190.600	FL
914	1075904.757	328589.312	2190.588	FL
915	1075894.684	328589.352	2190.599	FL
916	1075884.952	328589.399	2190.530	FL
917	1075875.116	328589.416	2190.550	FL
918	1075870.025	328589.487	2190.496	FL
1270	1071921.909	314086.856	2161.503	GR POLE
1271	1071919.664	314077.272	2161.472	GR POLE
1272	1071917.015	314067.53	2161.521	GR POLE
1273	1071914.685	314057.832	2161.536	GR POLE
1274	1071912.323	314048.194	2161.398	GR POLE
1275	1071909.828	314038.47	2161.374	GR POLE
1276	1071907.446	314028.667	2161.333	GR POLE
1277	1071904.947	314019.006	2161.328	GR POLE
1019	1071862.834	314029.817	2161.317	GR POST
1020	1071865.387	314039.543	2161.347	GR POST
1021	1071867.889	314049.155	2161.366	GR POST
1022	1071870.202	314059.038	2161.438	GR POST
1023	1071872.542	314068.648	2161.407	GR POST
1024	1071875	314078.37	2161.401	GR POST
1025	1071877.617	314088.034	2161.492	GR POST
1026	1071880.113	314097.601	2161.344	GR POST
1137	1071940.577	314338.965	2161.416	GR POST
1138	1071943.153	314348.76	2161.423	GR POST
1140	1071945.614	314358.329	2161.523	GR POST

1141	1071948.062	314368.068	2161.505	GR POST
1143	1071950.309	314377.77	2161.530	GR POST
1144	1071952.82	314387.557	2161.524	GR POST
1145	1071955.235	314397.186	2161.371	GR POST
1154	1071999.549	314395.999	2161.344	GR POST
1156	1071997.104	314386.403	2161.390	GR POST
1157	1071994.489	314376.688	2161.422	GR POST
1158	1071992.138	314366.994	2161.406	GR POST
1160	1071989.743	314357.307	2161.398	GR POST
1161	1071987.256	314347.658	2161.317	GR POST
1163	1071984.959	314337.918	2161.392	GR POST
1164	1071982.343	314328.269	2161.385	GR POST
1522	1072127.632	314327.015	2160.445	GRATE
1523	1072129.484	314326.543	2160.391	GRATE
1048	1071882.899	314109.2	2164.925	HANDRAIL
1131	1071937.57	314327.619	2164.931	HANDRAIL
1185	1071979.757	314317.039	2164.970	HANDRAIL
1265	1071925.067	314098.577	2164.986	HANDRAIL
99	1071989.103	314334.625	2161.240	MCFCD
300	1073231.283	298158.544	2128.710	NG
301	1073217.46	298906.938	2124.747	NG
302	1073213.643	299333.029	2125.884	NG
303	1073209.565	299848.544	2127.269	NG
304	1073201.234	300441.456	2128.312	NG
310	1074591.143	296200.602	2106.070	NG
311	1074585.211	296944.139	2107.823	NG
312	1074572.739	297969.874	2111.175	NG
313	1074567.789	298420.453	2112.792	NG
314	1074560.728	299200.924	2114.787	NG
320	1078627.913	296797.504	2101.866	NG
321	1078623.273	297581.695	2104.459	NG
322	1078617.972	298362.16	2105.519	NG
323	1078615.243	298781.837	2108.167	NG
324	1078613.32	299251.833	2109.680	NG
325	1078611.201	299344.571	2111.843	NG
326	1078604.459	300067.598	2111.349	NG
327	1078596.569	300613.555	2112.530	NG
330	1076807.741	307383.469	2133.614	NG
331	1075957.32	307385.224	2134.918	NG
332	1075771.091	307385.25	2138.963	NG
333	1075677.025	307385.634	2125.214	NG
334	1075565.855	307388.477	2136.373	NG
335	1074843.487	307378.841	2136.724	NG
336	1074564.517	307374.863	2137.498	NG
337	1074436.754	307369.61	2139.114	NG
338	1073545.401	307342.732	2141.855	NG
339	1073078.815	307338.468	2147.584	NG
340	1073025.55	307330.086	2140.985	NG
341	1072950.369	307314.85	2147.021	NG
342	1072657.809	307309.051	2148.549	NG
350	1074429.951	312683.902	2148.533	NG

351	1074423.053	313554.452	2150.336	NG
352	1074411.471	314439.159	2152.132	NG
353	1074406.516	314974.134	2154.015	NG
354	1074397.939	315676.537	2155.619	NG
355	1074387.324	316312.512	2157.034	NG
356	1074380.716	316914.159	2160.100	NG
375	1067628.905	320950.845	2170.117	NG
376	1067621.228	321507.225	2171.421	NG
377	1067611.685	322054.668	2172.331	NG
378	1067602.604	322602.78	2173.159	NG
379	1067591.517	323053.524	2174.277	NG
390	1067563.221	331223.005	2196.494	NG
391	1067566.571	330521.77	2194.993	NG
392	1067569.439	330015.981	2194.173	NG
393	1067572.195	329489.637	2192.815	NG
394	1067578.516	329001.334	2191.862	NG
395	1067586.65	328478.318	2189.158	NG
396	1067588.698	328426.926	2190.214	NG
397	1067578.471	328383.183	2188.694	NG
398	1067561.146	327947.848	2187.652	NG
399	1067581.261	327424.21	2185.783	NG
400	1067574.772	327386.616	2187.615	NG
401	1067570.686	327282.339	2187.417	NG
410	1064052.658	323178.921	2189.441	NG
411	1064049.225	323751.044	2188.684	NG
412	1064039.271	324357.375	2187.694	NG
413	1064028.342	324916.769	2187.187	NG
414	1064024.914	325400.915	2186.850	NG
415	1064016.102	326473.92	2185.291	NG
416	1064004.688	327042.716	2184.683	NG
417	1063999.472	327564.647	2184.255	NG
418	1063999.081	327957.117	2184.112	NG
419	1064002.025	328033.346	2184.633	NG
424	1075614.491	328685.543	2199.602	NG
425	1075739.629	329265.556	2200.285	NG
426	1075869.859	329775.706	2201.332	NG
427	1075999.071	330293.105	2202.843	NG
428	1076135.444	330837.404	2204.681	NG
429	1076265.919	331359.804	2206.523	NG
430	1079510.77	323610.871	2186.928	NG
431	1078931.279	323605.591	2185.337	NG
432	1078350.26	323603.018	2184.466	NG
433	1077827.151	323584.354	2183.486	NG
434	1077271.751	323571.854	2183.398	NG
435	1076690.311	323552.723	2183.176	NG
436	1076199.988	323538.531	2182.182	NG
437	1075759.615	323520.196	2182.286	NG
438	1075693.139	323521.586	2188.120	NG
439	1075579.089	323451.232	2186.942	NG
440	1075128.33	323382.915	2188.690	NG
441	1074842.441	323281.653	2186.257	NG

520	1067391.954	336865.525	2214.554	NG
521	1067394.099	337488.482	2217.718	NG
522	1067386.555	338021.93	2219.981	NG
523	1067376.425	338574.59	2222.763	NG
524	1067375.038	338857.129	2224.295	NG
525	1067417.471	339534.924	2228.129	NG
526	1067411.524	339961.488	2230.307	NG
527	1067410.187	340242.363	2231.497	NG
528	1067404.471	340434.375	2232.317	NG
529	1067404.341	340693.888	2233.728	NG
530	1067400.569	340934.359	2235.002	NG
540	1083569.955	359329.686	2309.867	NG
541	1083408.412	358786.736	2308.159	NG
542	1083278.737	358256.918	2305.948	NG
543	1083142.136	357718.922	2303.974	NG
544	1083013.051	357203.2	2301.344	NG
545	1082792.163	356725.474	2299.137	NG
546	1082649.565	356173.208	2295.680	NG
547	1082518.655	355636.62	2292.680	NG
548	1082387.652	355113.688	2291.187	NG
549	1082302.085	354690.064	2288.672	NG
550	1081525.121	352230.919	2281.202	NG
551	1081392.944	351705.586	2279.315	NG
552	1081261.568	351182.743	2277.153	NG
553	1081130.203	350657.911	2275.291	NG
554	1080999.351	350135.499	2274.289	NG
560	1083614.165	356009.393	2295.386	NG
561	1083207.052	355472.628	2299.980	NG
562	1083085.358	354940.603	2292.138	NG
563	1083069.395	354425.655	2292.301	NG
564	1083047.947	353897.94	2289.925	NG
565	1083020.546	353375.618	2288.168	NG
566	1083066.192	352853.511	2287.576	NG
567	1083091.998	352336.821	2285.443	NG
568	1083064.36	351821.596	2283.161	NG
570	1077858.237	346919.841	2260.344	NG
571	1077325.174	346918.141	2260.207	NG
572	1076823.435	346912.065	2259.487	NG
573	1076264.519	346904.724	2258.789	NG
574	1075725.511	346900.433	2257.829	NG
575	1075156.925	346903.399	2256.486	NG
576	1074773.877	346896.275	2254.706	NG
577	1074751.343	346895.517	2256.515	NG
578	1074623.2	346889.413	2256.468	NG
579	1074002.208	346887.409	2255.464	NG
580	1073512.309	346881.477	2255.534	NG
581	1073167.355	346861.752	2255.623	NG
590	1077911.111	344317.177	2251.182	NG
591	1077949.882	343667.786	2248.100	NG
592	1077953.231	343135.054	2246.101	NG
593	1077949.193	342634.361	2244.206	NG

594	1077942.192	342079.031	2242.661	NG
595	1077904.532	341581.363	2241.617	NG
596	1077911.056	341002.739	2239.557	NG
597	1077918.297	340439.942	2237.643	NG
598	1077923.558	339960.131	2235.922	NG
599	1077930.176	339438.142	2234.267	NG
600	1077938.754	338876.963	2231.843	NG
601	1077945.927	338313.882	2229.800	NG
602	1077900.342	337814.823	2228.260	NG
603	1077766.042	337285.842	2226.551	NG
604	1077633.838	336753.3	2224.957	NG
610	1077275.402	335351.585	2220.191	NG
611	1077127.404	334756.499	2217.963	NG
612	1077000.627	334256.395	2216.267	NG
613	1076866.392	333738.016	2215.072	NG
614	1076735.725	333203.394	2212.906	NG
615	1076601.519	332662.328	2210.857	NG
616	1076483.301	332169.363	2209.124	NG
617	1076342.694	331638.742	2207.316	NG
618	1076208.799	331109.418	2205.355	NG
619	1076066.054	330541.04	2203.439	NG
620	1075862.851	329734.63	2201.022	NG
779	1075865.716	328484.088	2189.952	NG
781	1075875.433	328483.905	2187.338	NG
783	1075883.884	328483.94	2187.255	NG
785	1075890.918	328483.965	2187.493	NG
787	1075899.086	328483.933	2187.812	NG
789	1075903.137	328483.946	2187.655	NG
791	1075909.053	328483.962	2188.148	NG
793	1075918.335	328484.033	2189.605	NG
807	1076007.781	328470.533	2195.560	NG
808	1076008.383	328448.464	2196.233	NG
810	1075983.931	328458.724	2194.299	NG
811	1075954.639	328479.857	2194.561	NG
812	1075955.456	328457.292	2192.470	NG
813	1075956.255	328439.207	2191.925	NG
814	1075946.089	328423.667	2190.444	NG
815	1075946.363	328438.153	2190.879	NG
816	1075945.684	328457.026	2191.758	NG
817	1075946.518	328478.779	2194.181	NG
818	1075931.396	328438.021	2189.335	NG
819	1075932.166	328422.453	2188.652	NG
820	1075917.805	328419.721	2187.344	NG
821	1075916.547	328436.944	2188.392	NG
824	1075881.122	328416.026	2188.699	NG
825	1075867.549	328413.618	2190.681	NG
826	1075865.925	328434.742	2190.620	NG
827	1075847.376	328434.914	2193.350	NG
828	1075832.148	328456.771	2195.727	NG
829	1075828.39	328434.842	2197.502	NG
1332	1071929.35	314109.248	2153.436	NG

1333	1071932.496	314119.842	2153.281	NG
1334	1071935.429	314134.754	2153.562	NG
1335	1071939.089	314149.15	2153.209	NG
1336	1071942.797	314163.867	2152.674	NG
1338	1071950.384	314193.042	2152.234	NG
1340	1071958.075	314222.092	2151.759	NG
1342	1071964.716	314251.094	2153.208	NG
1344	1071971.828	314279.862	2153.810	NG
1346	1071978.576	314306.137	2153.725	NG
1347	1071933.836	314317.613	2153.836	NG
1349	1071927.022	314291.553	2153.820	NG
1351	1071919.98	314262.285	2152.818	NG
1353	1071912.419	314233.611	2152.125	NG
1355	1071905.333	314205.47	2152.200	NG
1357	1071897.838	314174.699	2152.862	NG
1359	1071890.193	314145.519	2152.983	NG
1361	1071885.661	314125.491	2153.164	NG
1430	1071937.349	314111.935	2153.403	NG
1582	1072058.602	314042.27	2156.721	NG
1583	1072061.889	314054.856	2152.664	NG
1584	1072063.081	314061.857	2151.445	NG
1585	1072065.332	314067.981	2152.655	NG
1586	1072067.229	314075.126	2151.504	NG
1587	1072068.741	314081.847	2151.061	NG
1588	1072070.409	314089.175	2149.993	NG
1589	1072072.144	314095.665	2149.984	NG
1590	1072073.627	314102.436	2150.331	NG
1591	1072075.464	314109.337	2150.676	NG
1592	1072077.136	314115.592	2150.070	NG
1593	1072078.898	314122.902	2150.761	NG
1594	1072080.694	314129.48	2150.980	NG
1595	1072082.58	314136.002	2150.873	NG
1596	1072084.656	314143.163	2150.841	NG
1597	1072086.196	314149.857	2150.848	NG
1598	1072088.19	314156.774	2150.787	NG
1599	1072089.588	314163.53	2151.154	NG
1600	1072091.329	314170.293	2150.953	NG
1601	1072092.845	314176.919	2150.674	NG
1602	1072094.765	314183.866	2150.466	NG
1603	1072096.543	314190.535	2150.421	NG
1604	1072097.899	314197.011	2149.925	NG
1605	1072099.306	314204.396	2151.477	NG
1606	1072100.987	314211.097	2151.781	NG
1607	1072102.583	314217.851	2151.807	NG
1608	1072104.172	314224.723	2151.598	NG
1609	1072106.359	314231.448	2152.195	NG
1610	1072108.077	314238.228	2152.352	NG
1611	1072110.175	314244.89	2151.680	NG
1612	1072111.701	314251.643	2151.760	NG
1613	1072113.471	314258.343	2152.357	NG
1614	1072114.978	314265.307	2152.147	NG

1615	1072116.83	314272	2151.874	NG
1616	1072117.73	314278.638	2152.222	NG
1617	1072119.948	314285.257	2152.582	NG
1618	1072122.246	314291.834	2152.351	NG
1619	1072123.354	314298.79	2152.787	NG
1620	1072124.677	314305.945	2153.452	NG
1621	1072126.426	314312.482	2154.493	NG
1622	1072128.174	314319.204	2155.627	NG
1623	1072129.789	314325.334	2156.497	NG
1624	1072111.043	314330.259	2155.904	NG
1625	1072107.793	314317.394	2153.939	NG
1626	1072106.004	314310.538	2153.441	NG
1627	1072104.307	314303.718	2153.022	NG
1628	1072101.404	314297.692	2152.012	NG
1629	1072100.779	314290.54	2151.993	NG
1630	1072099.125	314283.806	2151.948	NG
1631	1072097.442	314276.933	2151.992	NG
1632	1072095.813	314270.03	2151.799	NG
1633	1072094.105	314263.304	2151.988	NG
1634	1072092.462	314256.472	2152.209	NG
1635	1072090.403	314249.678	2152.189	NG
1636	1072088.786	314242.967	2151.281	NG
1637	1072079.228	314236.391	2151.211	NG
1638	1072086.896	314236.169	2151.633	NG
1639	1072085.629	314229.262	2151.960	NG
1640	1072083.972	314222.647	2152.092	NG
1641	1072082.248	314215.851	2151.914	NG
1642	1072080.362	314208.885	2151.798	NG
1643	1072077.832	314202.28	2150.480	NG
1644	1072076.158	314195.54	2150.725	NG
1645	1072074.904	314188.7	2150.072	NG
1646	1072073.252	314181.843	2150.992	NG
1647	1072071.845	314174.866	2151.045	NG
1648	1072069.684	314168.378	2150.990	NG
1649	1072068.266	314161.478	2151.017	NG
1650	1072066.455	314154.846	2150.893	NG
1651	1072064.923	314148.031	2150.260	NG
1652	1072063.043	314141.165	2150.730	NG
1653	1072061.098	314134.311	2151.243	NG
1654	1072059.792	314128.087	2151.160	NG
1655	1072058.113	314120.792	2151.115	NG
1656	1072055.602	314113.968	2150.923	NG
1657	1072054.794	314107.189	2150.872	NG
1658	1072052.502	314100.766	2150.416	NG
1659	1072051.185	314093.494	2149.947	NG
1660	1072049.362	314086.796	2151.053	NG
1661	1072047.825	314079.934	2151.850	NG
1662	1072045.86	314073.349	2152.402	NG
1663	1072043.824	314066.888	2152.446	NG
1664	1072042.617	314059.224	2154.032	NG
1665	1072040.2	314046.498	2156.995	NG

1337	1071946.674	314178.159	2152.751	NG PIER
1339	1071953.898	314206.97	2151.872	NG PIER
1341	1071961.26	314236.936	2152.992	NG PIER
1345	1071975.824	314295.754	2153.904	NG PIER
1350	1071923.629	314276.712	2153.762	NG PIER
1352	1071916.187	314247.574	2152.317	NG PIER
1354	1071908.875	314218.762	2152.058	NG PIER
1356	1071901.699	314189.465	2152.906	NG PIER
1358	1071894.282	314160.387	2153.820	NG PIER
1360	1071886.756	314131.73	2153.621	NG PIER
1343	1071968.505	314265.921	2153.638	NGPIER
1348	1071930.848	314306.283	2153.819	NGPIER
370	1067679.118	318190.867	2174.375	P
371	1067663.327	318787.134	2172.593	P
372	1067658.294	319316.255	2171.055	P
373	1067650.258	319857.776	2169.641	P
374	1067641.986	320401.374	2169.836	P
380	1063668.621	321655.594	2196.993	P
381	1063653.21	322429.502	2193.937	P
382	1063644.222	323018.818	2193.076	P
420	1073606.249	328133.81	2197.624	P
421	1074574.634	328511.947	2199.059	P
422	1075204.57	328537.087	2201.804	P
423	1075600.192	328541.467	2203.777	P
1521	1072131.497	314325.674	2160.508	POST
1530	1072110.308	314330.854	2160.483	POST
1536	1072059.941	314041.575	2160.663	POST
1541	1072038.597	314046.604	2160.518	POST
59	1078104.099	325939.321	2194.005	PP
60	1075507.51	325906.635	2189.882	PP
100	1078104.062	325939.224	2193.833	PP
101	1075507.443	325906.676	2189.931	PP
102	1070338.148	317882.028	2163.381	PP
103	1078264.153	317989.589	2162.410	PP
104	1075622.773	317952.314	2162.923	PP
105	1073919.395	317927.193	2162.020	PP
106	1078369.417	309994.153	2135.905	PP
107	1075673.398	310030.737	2141.170	PP
108	1073101.571	309977.172	2149.190	PP
109	1078446.966	302160.195	2123.723	PP
110	1075802.729	302075.076	2123.634	PP
111	1072531.374	302600.005	2141.583	PP
112	1070449.273	302720.598	2156.353	PP
113	1070424.828	309520.983	2163.419	PP
114	1067715.268	312554.272	2184.070	PP
115	1066247.984	317836.485	2185.727	PP
116	1062404.948	317782.37	2219.738	PP
117	1063442.672	323035.097	2191.793	PP
118	1062307.74	328297.666	2189.944	PP
119	1066088.924	328370.092	2186.671	PP
120	1069922.31	325772.066	2186.194	PP

121	1074215.114	325843.088	2189.520	PP
122	1080815.056	333671.463	2229.914	PP
123	1078204.877	333671.296	2219.458	PP
124	1074244.552	333670.96	2214.064	PP
125	1070200.304	333680.755	2208.152	PP
126	1066557.981	336910.363	2216.679	PP
127	1070086.253	338873.301	2223.332	PP
128	1074342.997	341672.313	2237.148	PP
129	1077905.215	341762.135	2245.337	PP
130	1081873.038	341561.963	2253.096	PP
131	1084712.791	344418.876	2275.656	PP
132	1069932.086	343143.986	2242.168	PP
133	1065964.169	343127.094	2249.184	PP
134	1073890.426	346865.014	2256.320	PP
135	1077878.618	349592.476	2269.729	PP
136	1081864.991	349585.043	2273.771	PP
137	1085801.249	349663.658	2296.186	PP
138	1086935.605	354718.587	2309.749	PP
139	1082189.689	354846.624	2289.867	PP
140	1077637.107	354763.392	2297.757	PP
141	1073786.671	354790.238	2307.467	PP
142	1071168.641	354796.908	2316.152	PP
143	1077768.979	360149.351	2330.179	PP
144	1082231.236	359606	2314.506	PP
145	1086113.76	359527.882	2312.070	PP
146	1088467.501	359536.015	2316.839	PP
147	1072552.295	291209.249	2107.302	PP
148	1073355.834	291169.323	2101.859	PP
149	1078446.345	291101.078	2090.551	PP
150	1081990.953	290890.241	2099.206	PP
200	1073106.974	307323.91	2147.695	PP
201	1073265.915	296188.522	2122.131	PP
202	1075878.643	296377.98	2111.342	PP
203	1072925.537	317896.986	2165.411	PP
204	1067592.017	323076.55	2173.988	PP
205	1072780.262	328474.221	2194.896	PP
206	1067616.482	328405.226	2188.651	PP
207	1078185.04	323569.468	2186.441	PP
208	1077518.417	336663.223	2226.098	PP
209	1072766.841	338989.003	2227.362	PP
210	1080275.573	346975.099	2263.199	PP
211	1083096.884	354759.33	2291.712	PP
212	1083161.076	349654.05	2275.931	PP
2103	1078264.147	317989.608	2162.425	PP
2113	1070424.757	309520.933	2163.334	PP
2116	1062404.955	317782.364	2219.599	PP
2203	1072925.546	317896.99	2165.443	PP
2209	1072766.868	338989.244	2227.215	PP
1516	1072122.91	314328.853	2161.631	RAIL
1524	1072118.131	314329.922	2161.591	RAIL
1531	1072051.295	314042.448	2161.337	RAIL

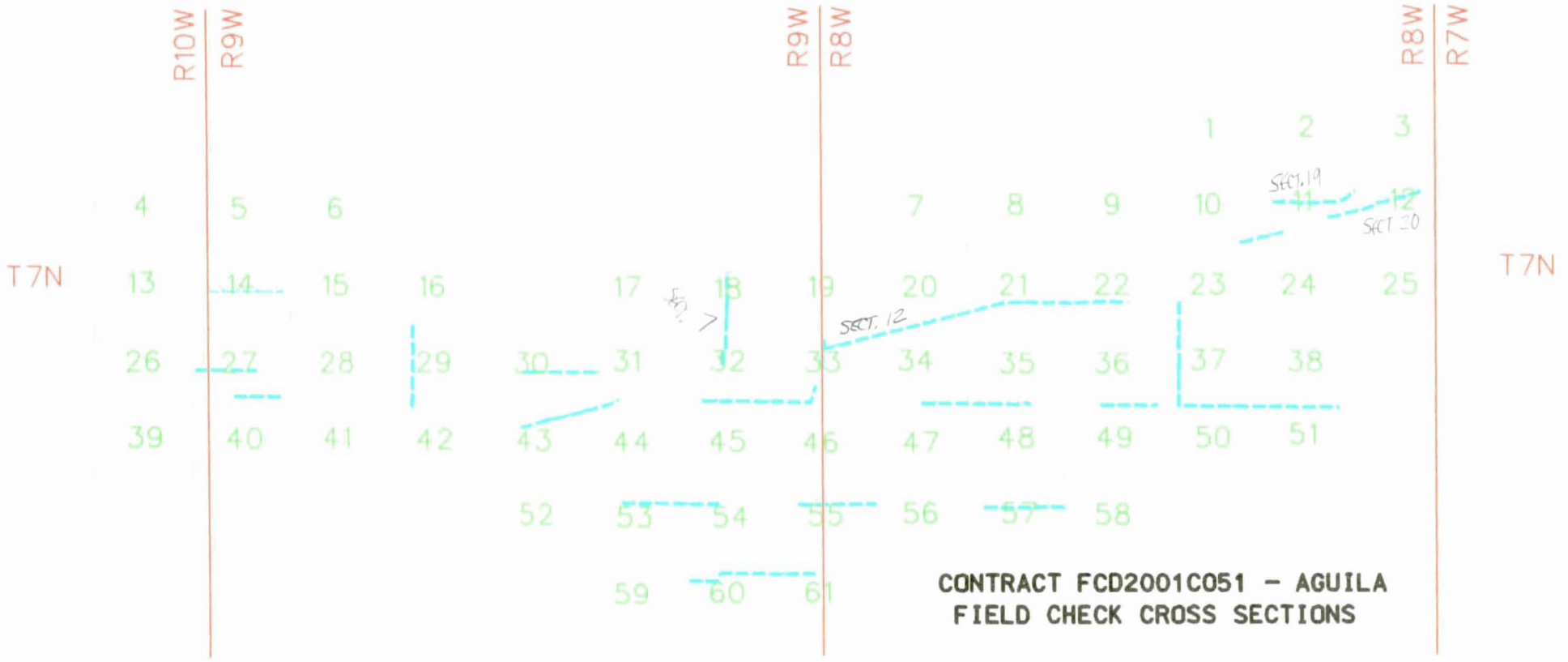
1537	1072046.474	314043.367	2161.312	RAIL
919	1075858.545	328601.591	2193.179	RIPRAP
920	1075859.05	328601.156	2192.530	RIPRAP
921	1075860.224	328600.605	2191.700	RIPRAP
922	1075862.158	328600.606	2191.199	RIPRAP
931	1075915.537	328600.951	2191.428	RIPRAP
932	1075917.039	328600.566	2192.049	RIPRAP
933	1075918.129	328600.55	2193.425	RIPRAP
934	1075919.874	328600.499	2194.284	RIPRAP
1362	1071884.175	314117.413	2158.401	RIPRAP
1363	1071882.994	314112.539	2158.392	RIPRAP
1364	1071926.67	314101.535	2158.399	RIPRAP
1365	1071927.986	314106.942	2158.395	RIPRAP
1366	1071978.504	314308.572	2158.351	RIPRAP
1367	1071979.612	314313.15	2158.335	RIPRAP
1368	1071936.146	314324.906	2158.368	RIPRAP
1369	1071934.891	314319.492	2158.400	RIPRAP
GLOS	1067761.918	312565.644	2184.832	SEC. COR.
1215	1071951.983	314213.119	2161.367	SPAN JOINT
1317	1071932.167	314218.332	2161.905	SPAN JOINT
1081	1071913.217	314222.857	2161.313	SPANJOINT
1517	1072127.749	314328.88	2160.679	STRUC.
1518	1072129.585	314326.811	2160.402	STRUC.
1519	1072131.405	314326.416	2160.482	STRUC.
1520	1072132.456	314326.117	2159.498	STRUC.
1525	1072114.777	314332.32	2160.681	STRUC.
1526	1072114.051	314330.847	2160.418	STRUC.
1527	1072110.214	314331.589	2160.477	STRUC.
1528	1072109.297	314331.86	2159.443	STRUC.
1529	1072107.388	314332.411	2157.385	STRUC.
1532	1072055.268	314039.974	2160.783	STRUC.
1533	1072059.701	314040.823	2160.593	STRUC.
1534	1072060.774	314040.617	2159.596	STRUC.
1535	1072062.656	314040.172	2157.369	STRUC.
1538	1072042.31	314043.511	2160.710	STRUC.
1539	1072038.569	314045.929	2160.441	STRUC.
1540	1072037.58	314046.239	2159.435	STRUC.
901	1076004.929	328584.519	2198.090	TOE
764	1075838.547	328483.201	2195.169	TOE APRON
765	1075847.311	328483.313	2193.926	TOE APRON
768	1075856.988	328483.266	2193.813	TOE APRON
769	1075864.108	328483.3	2193.726	TOE APRON
770	1075864.854	328483.342	2193.724	TOE APRON
774	1075918.826	328483.368	2193.669	TOE APRON
775	1075919.661	328483.329	2193.679	TOE APRON
776	1075927.758	328483.448	2193.804	TOE APRON
804	1075954.19	328504.213	2199.003	TOE ASPHALT
805	1075980.895	328504.227	2199.340	TOE ASPHALT
806	1076007.014	328503.855	2199.199	TOE ASPHALT
822	1075893.392	328435.302	2188.342	TOE NG
823	1075895.923	328418.023	2187.640	TOE NG

905	1075903.465	328621.318	2191.851	TOE NG
907	1075859.898	328621.537	2192.439	TOE NG
719	1075822.043	328526.585	2204.048	TOP APRON
720	1075847.75	328527.088	2203.982	TOP APRON
721	1075875.755	328527.563	2203.987	TOP APRON
722	1075886.664	328527.692	2203.977	TOP APRON
723	1075896.21	328527.8	2203.957	TOP APRON
724	1075906.393	328527.905	2203.890	TOP APRON
725	1075923.21	328528.074	2203.849	TOP APRON
726	1075946.898	328528.336	2203.749	TOP APRON
771	1075837.165	328526.958	2203.988	TOP APRON
772	1075865.789	328527.429	2203.964	TOP APRON
843	1075944.593	328564.475	2204.264	TOP APRON
844	1075934.787	328564.285	2204.209	TOP APRON
845	1075924.846	328564.218	2204.181	TOP APRON
846	1075914.975	328564.049	2204.137	TOP APRON
847	1075905.403	328563.983	2204.196	TOP APRON
848	1075894.898	328563.907	2204.164	TOP APRON
849	1075885.22	328563.782	2204.120	TOP APRON
850	1075875.089	328563.624	2204.100	TOP APRON
851	1075870.351	328563.621	2204.117	TOP APRON
852	1075862.159	328563.553	2204.079	TOP APRON
853	1075854.779	328563.471	2204.047	TOP APRON
854	1075840.838	328563.311	2204.029	TOP APRON
855	1075824.194	328563.199	2204.023	TOP APRON
856	1075809.966	328563.124	2204.012	TOP APRON
809	1075985.053	328441.593	2195.617	TOP NG
830	1075817.249	328435.149	2202.212	TOP NG
831	1075819.629	328457.474	2202.329	TOP NG
904	1075918.674	328621.018	2194.176	TOP NG
908	1075852.092	328620.556	2194.731	TOP NG
1542	1072045.662	314058.978	2153.327	TREL.
1543	1072048.957	314072.404	2152.823	TREL.
1544	1072052.372	314086.306	2153.338	TREL.
1545	1072055.791	314099.69	2153.012	TREL.
1546	1072059.205	314113.316	2152.784	TREL.
1547	1072062.359	314126.909	2152.395	TREL.
1548	1072064.472	314140.927	2152.246	TREL.
1549	1072068.051	314154.421	2151.766	TREL.
1550	1072071.219	314167.877	2151.287	TREL.
1551	1072074.628	314181.488	2151.295	TREL.
1552	1072077.967	314195.042	2151.566	TREL.
1553	1072081.397	314208.731	2152.023	TREL.
1554	1072084.804	314222.334	2152.796	TREL.
1555	1072088.344	314235.94	2152.857	TREL.
1556	1072091.617	314249.405	2152.804	TREL.
1557	1072095.035	314263.005	2152.863	TREL.
1558	1072098.424	314276.705	2152.801	TREL.
1559	1072101.859	314290.367	2153.029	TREL.
1560	1072105.442	314303.671	2153.011	TREL.
1561	1072108.568	314317.512	2154.241	TREL.

1562	1072126.001	314313.092	2154.361	TREL.
1563	1072122.574	314299.372	2153.061	TREL.
1564	1072119.208	314285.787	2153.084	TREL.
1565	1072115.717	314272.289	2152.900	TREL.
1566	1072112.386	314258.623	2152.834	TREL.
1567	1072108.968	314245.05	2152.826	TREL.
1568	1072105.546	314231.514	2152.805	TREL.
1569	1072102.116	314217.963	2152.829	TREL.
1570	1072098.79	314204.357	2152.973	TREL.
1571	1072095.457	314190.753	2151.644	TREL.
1572	1072092.031	314177.166	2151.198	TREL.
1573	1072088.587	314163.647	2151.487	TREL.
1574	1072085.161	314150.082	2151.792	TREL.
1575	1072081.829	314136.445	2152.132	TREL.
1576	1072078.394	314122.839	2152.456	TREL.
1577	1072074.977	314109.228	2152.780	TREL.
1578	1072071.551	314095.695	2153.013	TREL.
1579	1072068.131	314082.083	2153.489	TREL.
1580	1072064.705	314068.433	2153.722	TREL.
1581	1072061.32	314055.016	2153.836	TREL.
39D	1062402.706	317810.647	2220.725	USGS
1050	1071887.385	314118.85	2161.421	WEEPHOLE
1054	1071891.559	314135.395	2161.372	WEEPHOLE
1057	1071894.018	314145.137	2161.435	WEEPHOLE
1060	1071896.456	314154.833	2161.398	WEEPHOLE
1063	1071898.832	314164.599	2161.376	WEEPHOLE
1066	1071901.303	314174.288	2161.372	WEEPHOLE
1069	1071903.794	314183.944	2161.358	WEEPHOLE
1072	1071906.154	314193.661	2161.347	WEEPHOLE
1075	1071908.622	314203.358	2161.374	WEEPHOLE
1078	1071910.947	314213.056	2161.326	WEEPHOLE
1085	1071915.868	314232.573	2161.328	WEEPHOLE
1088	1071918.273	314242.221	2161.324	WEEPHOLE
1091	1071920.749	314251.902	2161.332	WEEPHOLE
1094	1071923.182	314261.557	2161.389	WEEPHOLE
1097	1071925.617	314271.263	2161.413	WEEPHOLE
1100	1071928.025	314281.006	2161.393	WEEPHOLE
1103	1071930.484	314290.757	2161.407	WEEPHOLE
1106	1071932.889	314300.436	2161.400	WEEPHOLE
1109	1071937.042	314317.098	2161.371	WEEPHOLE
1190	1071975.289	314307.456	2161.429	WEEPHOLE
1193	1071971.225	314290.788	2161.489	WEEPHOLE
1196	1071968.833	314281.151	2161.478	WEEPHOLE
1199	1071966.362	314271.416	2161.465	WEEPHOLE
1202	1071963.912	314261.648	2161.407	WEEPHOLE
1205	1071961.483	314251.943	2161.407	WEEPHOLE
1208	1071959.042	314242.238	2161.365	WEEPHOLE
1211	1071956.576	314232.601	2161.335	WEEPHOLE
1214	1071954.194	314222.862	2161.339	WEEPHOLE
1219	1071949.345	314203.449	2161.396	WEEPHOLE
1222	1071946.918	314193.703	2161.393	WEEPHOLE

1225	1071944.468	314184.042	2161.367	WEEPHOLE
1228	1071942.07	314174.315	2161.353	WEEPHOLE
1231	1071939.559	314164.624	2161.394	WEEPHOLE
1234	1071937.168	314154.945	2161.435	WEEPHOLE
1237	1071934.704	314145.193	2161.435	WEEPHOLE
1240	1071932.284	314135.498	2161.468	WEEPHOLE
1243	1071929.866	314125.779	2161.428	WEEPHOLE
1246	1071925.704	314109.153	2161.503	WEEPHOLE

SECTION 3
FIELD CHECK CROSS SECTIONS


R10W
R9W
R9W
R8W
R8W
R7W
T7N
T7N
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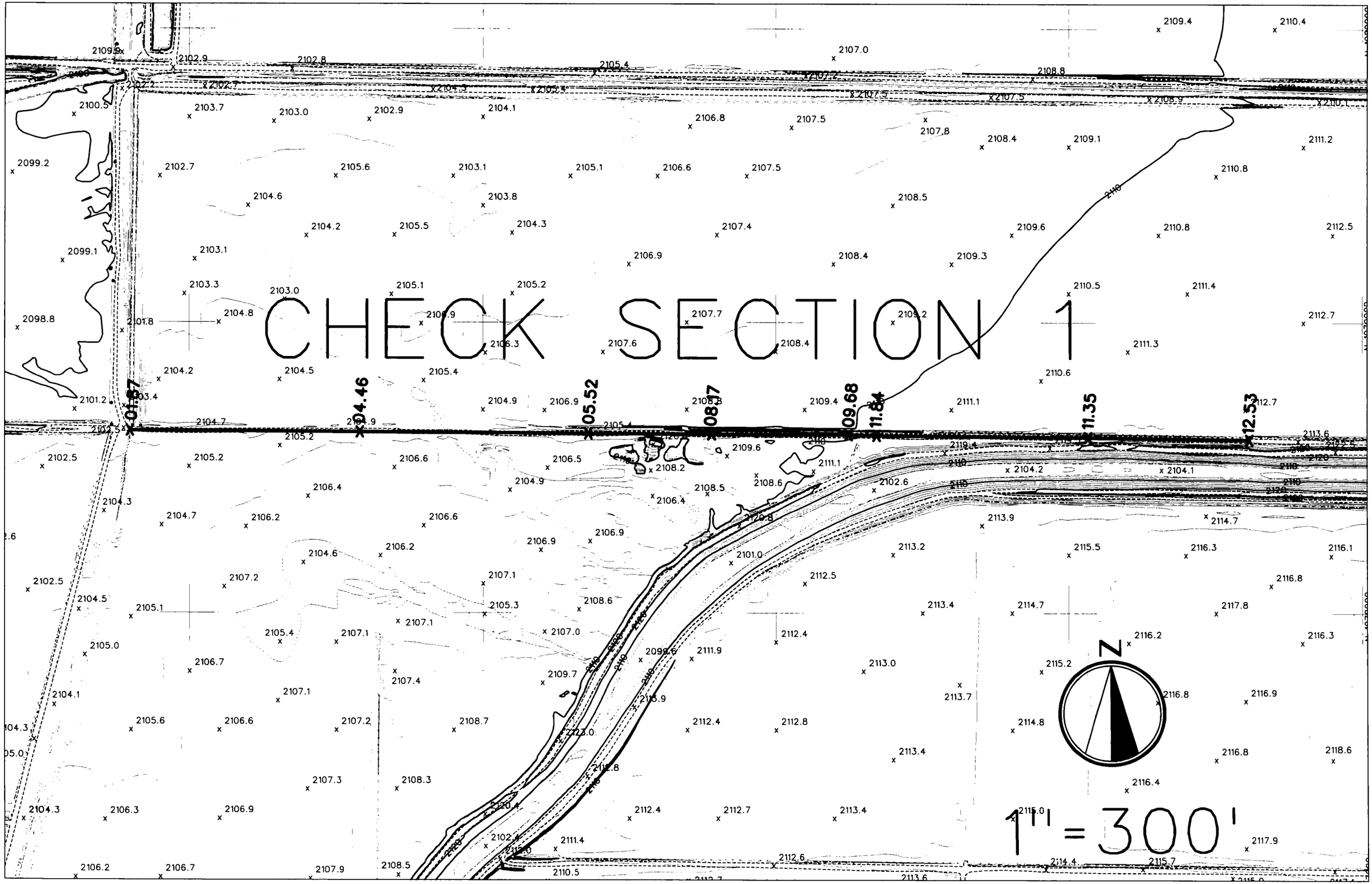
SECT. 19
SECT 20
SECT. 12
CONTRACT FCD2001C051 - AGUILA
FIELD CHECK CROSS SECTIONS
--- CROSS SECTION LOCATIONS


CHECK SECTION 1
01.87
04.46
05.52
08.17
09.68
11.84
11.35
12.53
N
1" = 300'

	FCD CONTRACT2001CO51 - AGUILA			
STRUCTURE AND CROSS SECTION DATA - CHECK SECTION #1				
320	1078627.913	296797.504	2101.866	NG
321	1078623.273	297581.695	2104.459	NG
322	1078617.972	298362.16	2105.519	NG
323	1078615.243	298781.837	2108.167	NG
324	1078613.32	299251.833	2109.680	NG
325	1078611.201	299344.571	2111.843	NG
326	1078604.459	300067.598	2111.349	NG
327	1078596.569	300613.555	2112.530	NG

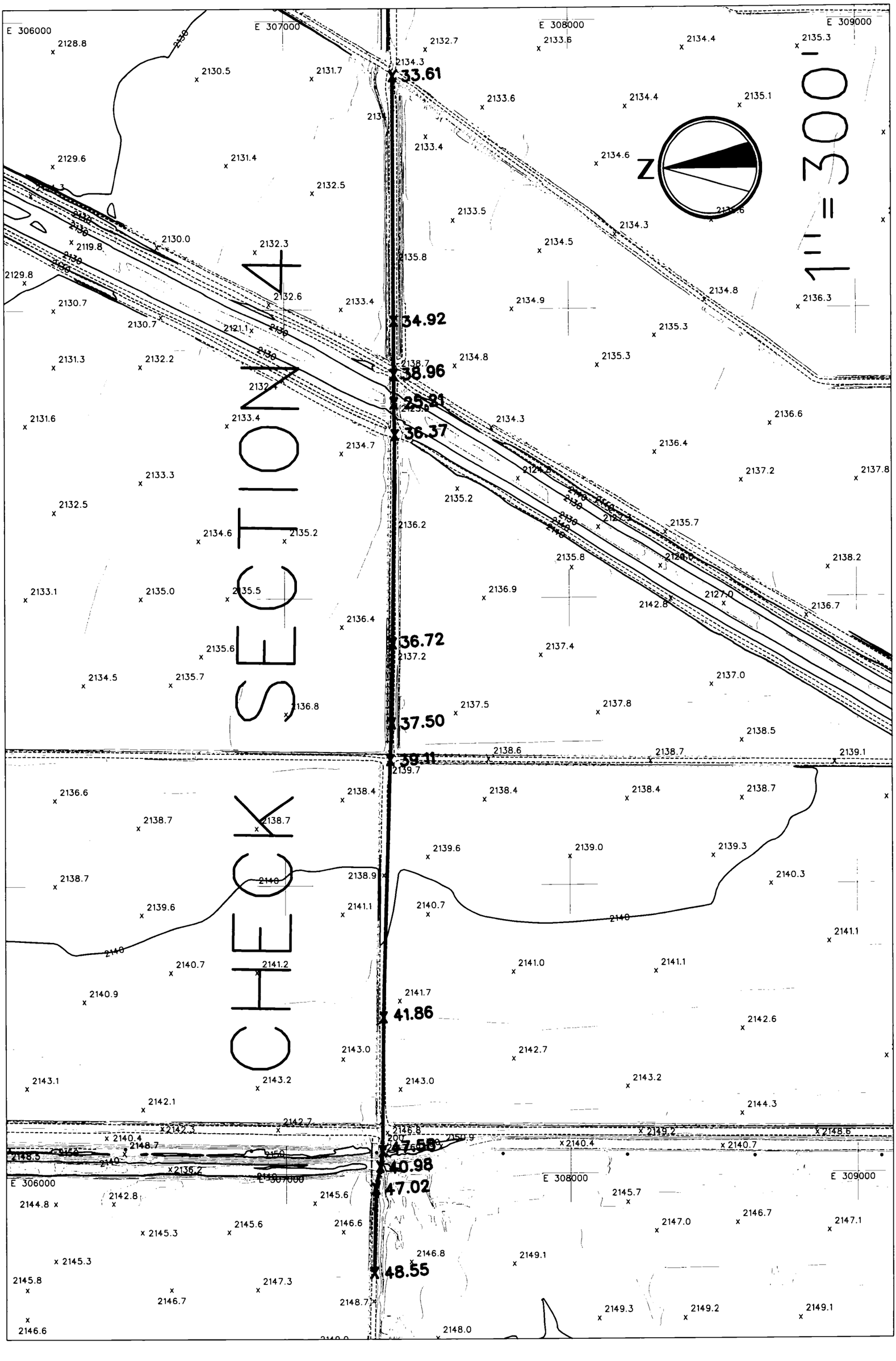
CHECK SECTION 2

CHECK SECTION 3

1"=300'

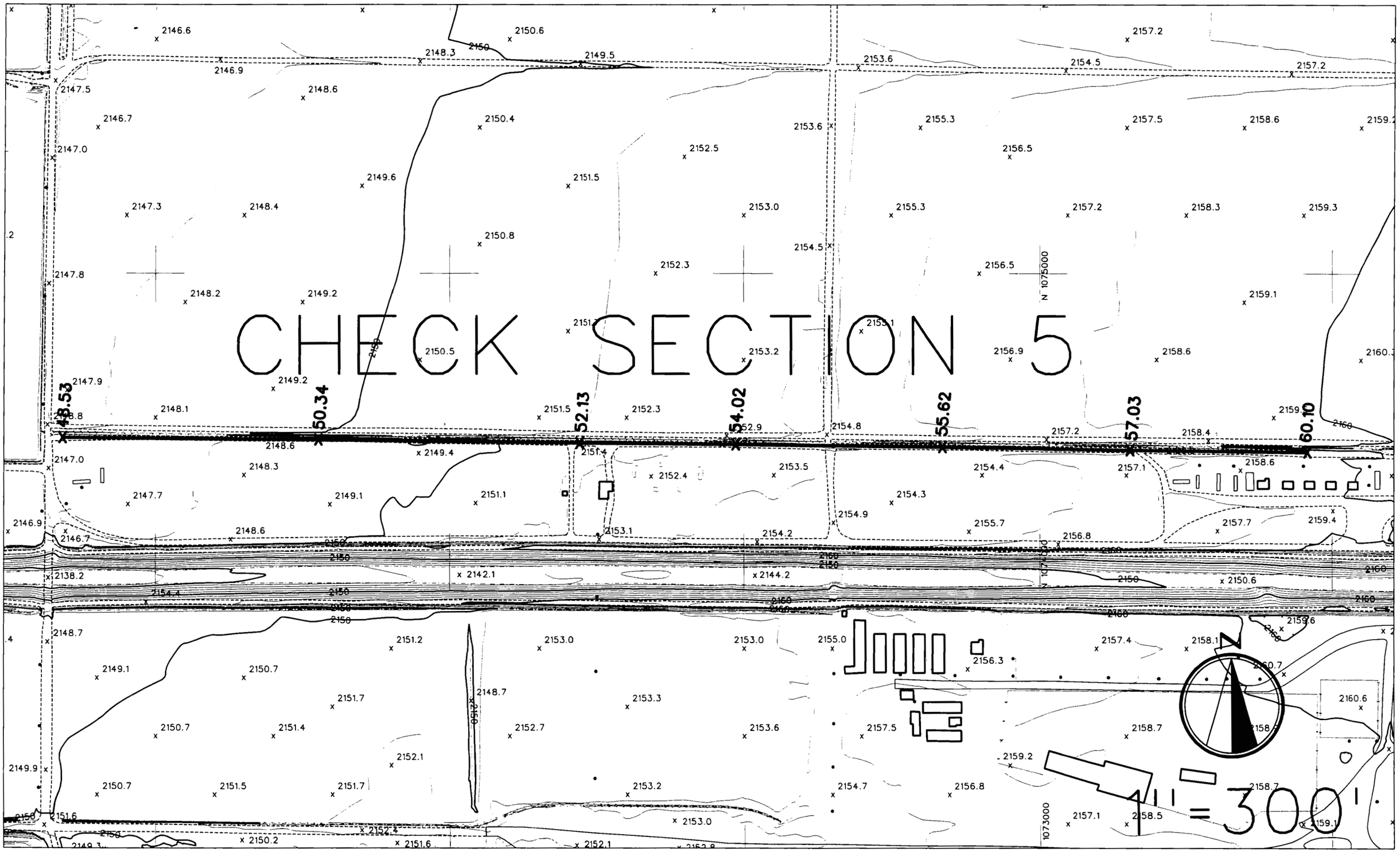
	FCD CONTRACT2001CO51 - AGUILA			
STRUCTURE AND CROSS SECTION DATA - CHECK SECTION #2				
310	1074591.143	296200.602	2106.070	NG
311	1074585.211	296944.139	2107.823	NG
312	1074572.739	297969.874	2111.175	NG
313	1074567.789	298420.453	2112.792	NG
314	1074560.728	299200.924	2114.787	NG

	FCD CONTRACT2001CO51 - AGUILA			
STRUCTURE AND CROSS SECTION DATA - CHECK SECTION #3				
300	1073231.283	298158.544	2128.710	NG
301	1073217.46	298906.938	2124.747	NG
302	1073213.643	299333.029	2125.884	NG
303	1073209.565	299848.544	2127.269	NG
304	1073201.234	300441.456	2128.312	NG

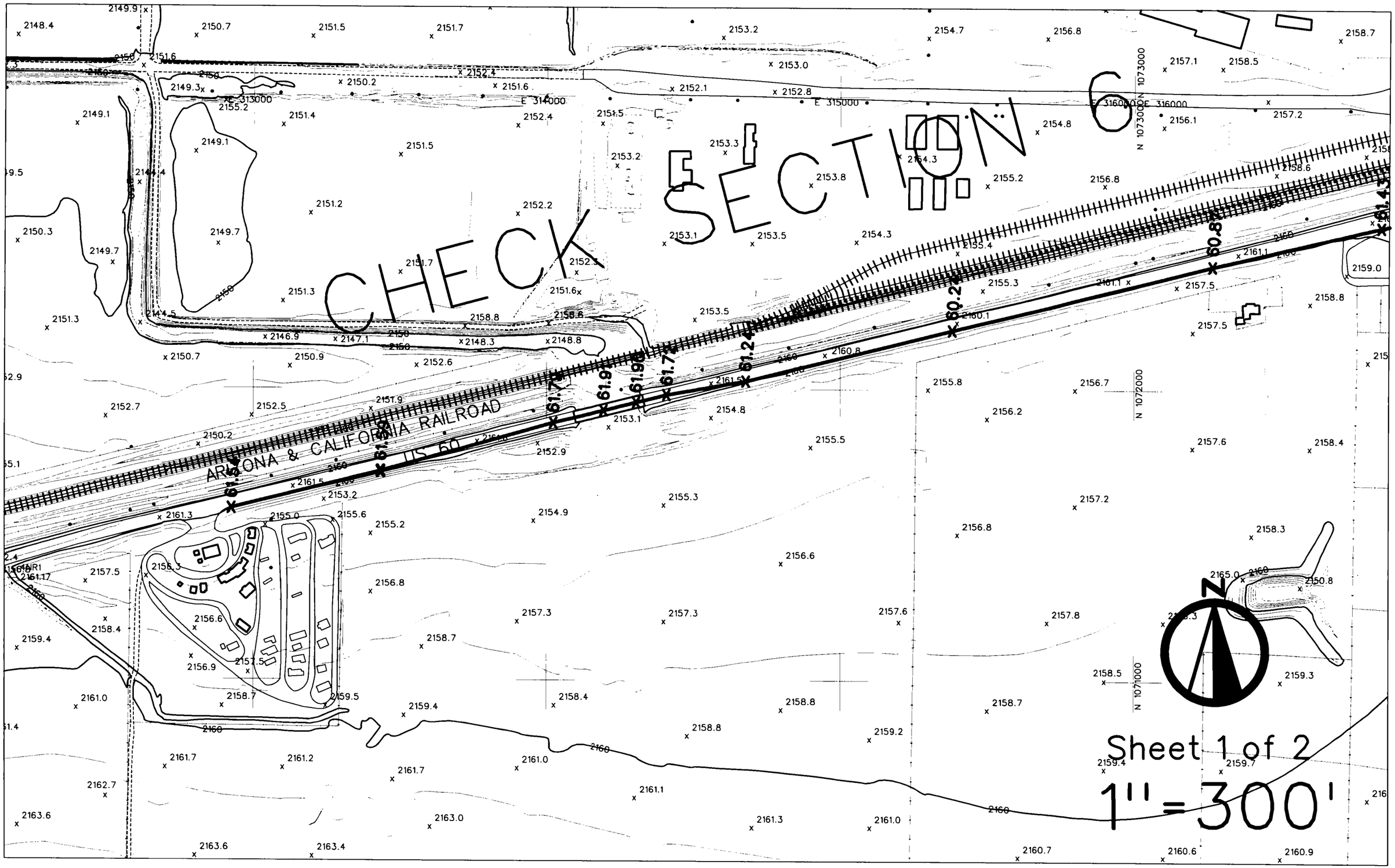

CHECK SECTION 4
1" = 300'
N
E 306000
E 307000
E 308000
E 309000
33.61
34.92
38.96
25.91
36.37
36.72
37.50
39.11
41.86
47.58
40.98
47.02
48.55

	FCD CONTRACT2001CO51 - AGUILA			
STRUCTURE AND CROSS SECTION DATA - CHECK SECTION #4				
330	1076807.741	307383.469	2133.614	NG
331	1075957.32	307385.224	2134.918	NG
332	1075771.091	307385.25	2138.963	NG
333	1075677.025	307385.634	2125.214	NG
334	1075565.855	307388.477	2136.373	NG
335	1074843.487	307378.841	2136.724	NG
336	1074564.517	307374.863	2137.498	NG
337	1074436.754	307369.61	2139.114	NG
338	1073545.401	307342.732	2141.855	NG
339	1073078.815	307338.468	2147.584	NG
340	1073025.55	307330.086	2140.985	NG
341	1072950.369	307314.85	2147.021	NG
342	1072657.809	307309.051	2148.549	NG

CHECK SECTION 5



	FCD CONTRACT2001CO51 - AGUILA			
STRUCTURE AND CROSS SECTION DATA - CHECK SECTION #5				
350	1074429.951	312683.902	2148.533	NG
351	1074423.053	313554.452	2150.336	NG
352	1074411.471	314439.159	2152.132	NG
353	1074406.516	314974.134	2154.015	NG
354	1074397.939	315676.537	2155.619	NG
355	1074387.324	316312.512	2157.034	NG
356	1074380.716	316914.159	2160.100	NG

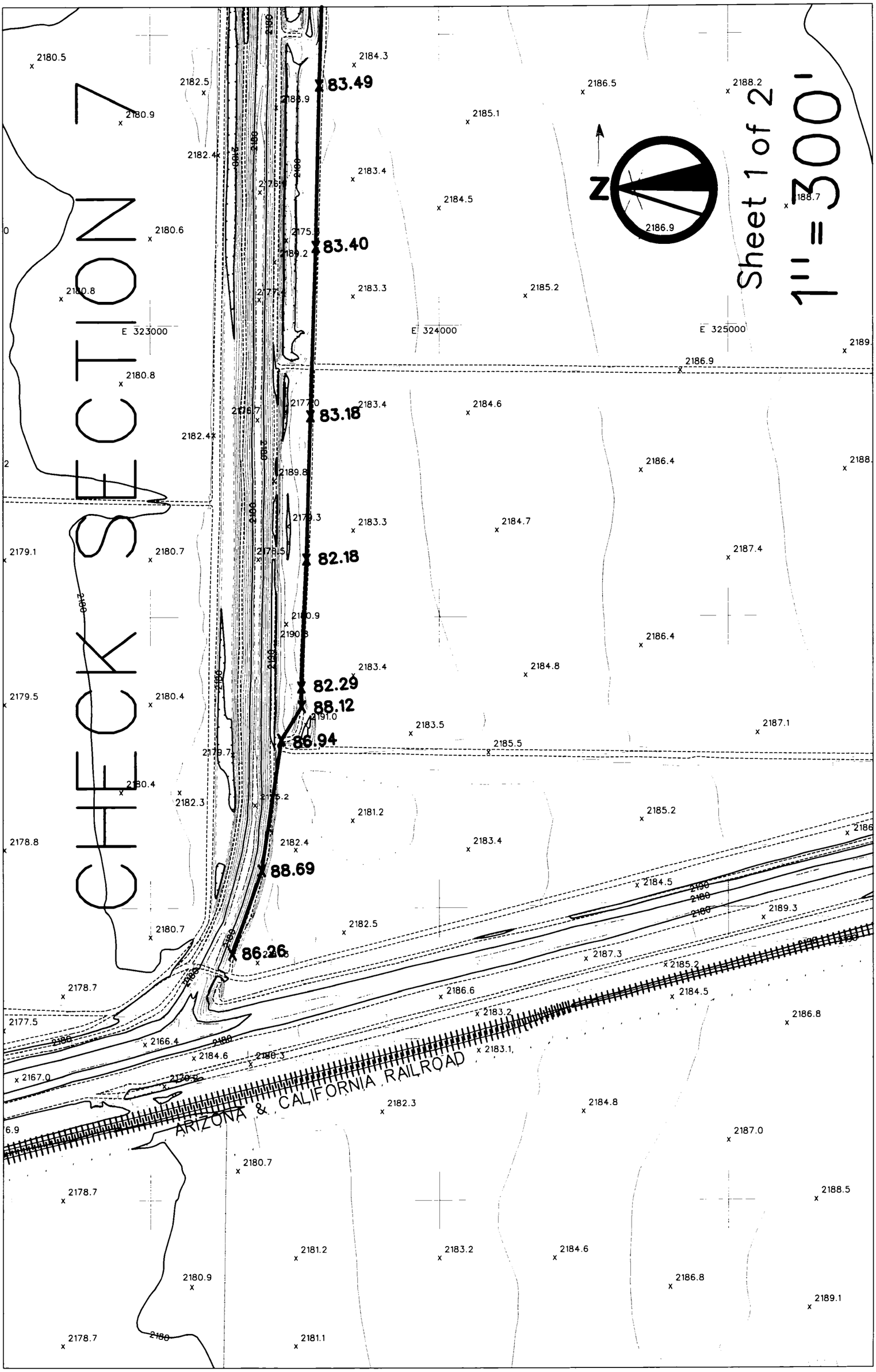

CHECK SECTION 6
ARIZONA & CALIFORNIA RAILROAD
US 60
E 313000
E 314000
E 315000
E 316000
N 1073000
N 1072000
N 1071000
Sheet 1 of 2
1" = 300'

CHECK SECTION

Sheet 2 of 2

1" = 300'

	FCD CONTRACT2001CO51 - AGUILA			
STRUCTURE AND CROSS SECTION DATA - CHECK SECTION #6				
1303	1071883.77	314022.797	2161.787	CL US 60
1304	1071888.379	314040.748	2161.799	CL US 60
1305	1071892.686	314058.128	2161.769	CL US 60
1306	1071897.832	314079.852	2161.815	CL US 60
1307	1071902.52	314101.025	2161.840	CL US 60
1308	1071908.29	314122.815	2161.959	CL US 60
1309	1071911.734	314135.639	2161.979	CL US 60
1310	1071914.237	314145.183	2161.982	CL US 60
1311	1071916.759	314154.225	2161.997	CL US 60
1312	1071918.791	314163.332	2162.004	CL US 60
1313	1071921.37	314173.37	2161.931	CL US 60
1314	1071926.459	314193.028	2161.911	CL US 60
1315	1071928.621	314202.967	2161.925	CL US 60
1316	1071930.828	314212.645	2161.887	CL US 60
1318	1071936.402	314233.455	2161.890	CL US 60
1319	1071938.486	314242.414	2161.891	CL US 60
1320	1071940.995	314252.344	2161.878	CL US 60
1321	1071943.447	314261.556	2161.868	CL US 60
1322	1071945.751	314271.581	2161.887	CL US 60
1323	1071947.935	314280.053	2161.875	CL US 60
1324	1071950.571	314290.408	2161.859	CL US 60
1325	1071954.592	314305.494	2161.899	CL US 60
1326	1071959.19	314325.389	2161.843	CL US 60
1327	1071964.253	314344.178	2161.789	CL US 60
1328	1071970.561	314370.723	2161.707	CL US 60
1329	1071976.63	314394.866	2161.709	CL US 60
1330	1071980.592	314409.28	2161.719	CL US 60
360	1071587.362	312924.891	2161.538	EP
361	1071715.571	313435.122	2161.586	EP
362	1071715.549	313435.095	2161.590	EP
363	1072027.966	314679.583	2161.239	EP
364	1072203.768	315382.434	2160.241	EP
365	1072425.721	316267.812	2160.871	EP
366	1072561.946	316843.123	2161.433	EP
367	1072638.588	317161.442	2161.323	EP
203	1072925.537	317896.986	2165.411	PP


CHECK SECTION 7
Sheet 1 of 2
1" = 300'
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E 323000
E 324000
E 325000
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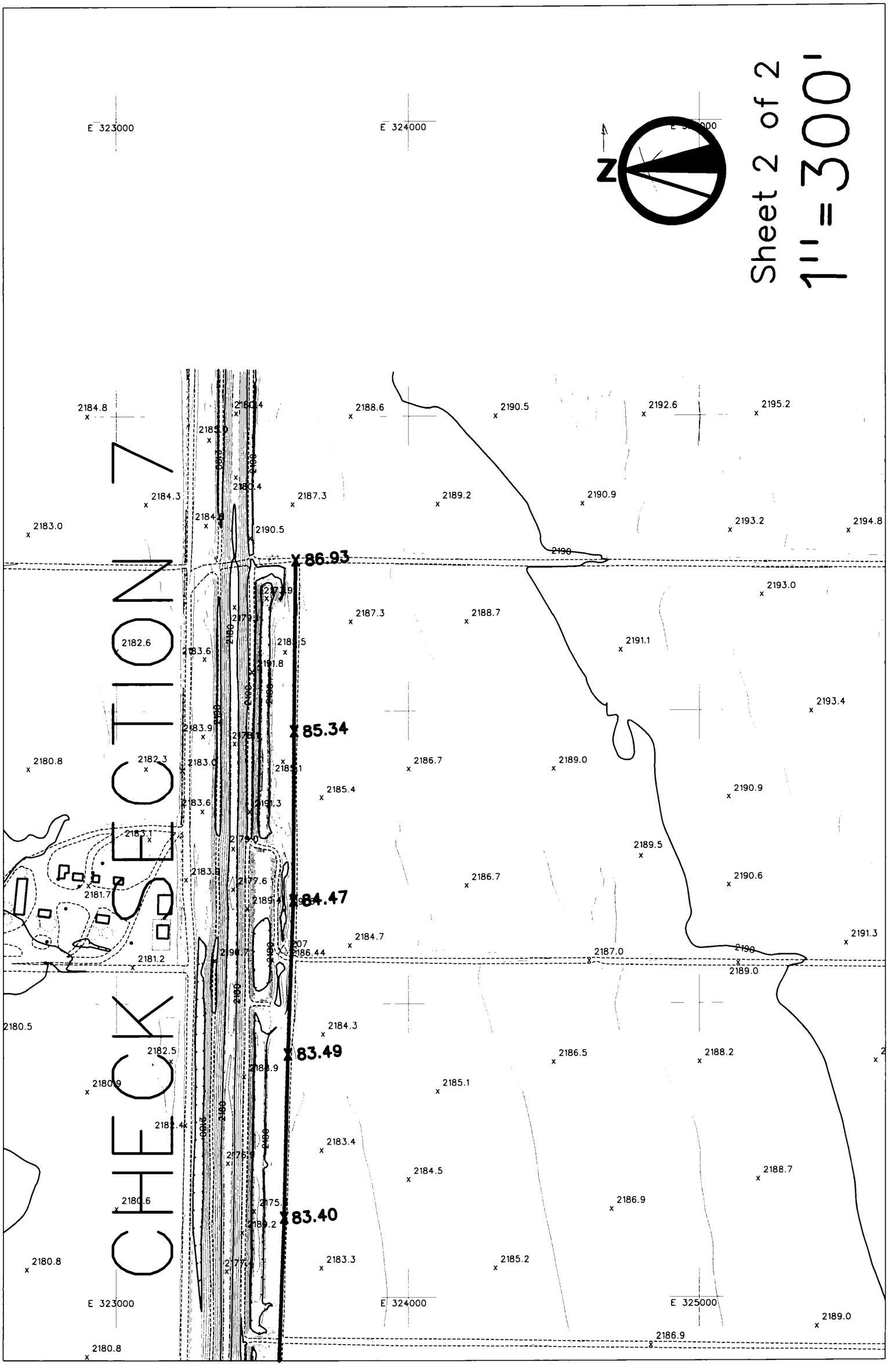
86.26
ARIZONA & CALIFORNIA RAILROAD


CHECK SECTION 7
Sheet 2 of 2
1"=300'
N
E 323000
E 324000
E 325000
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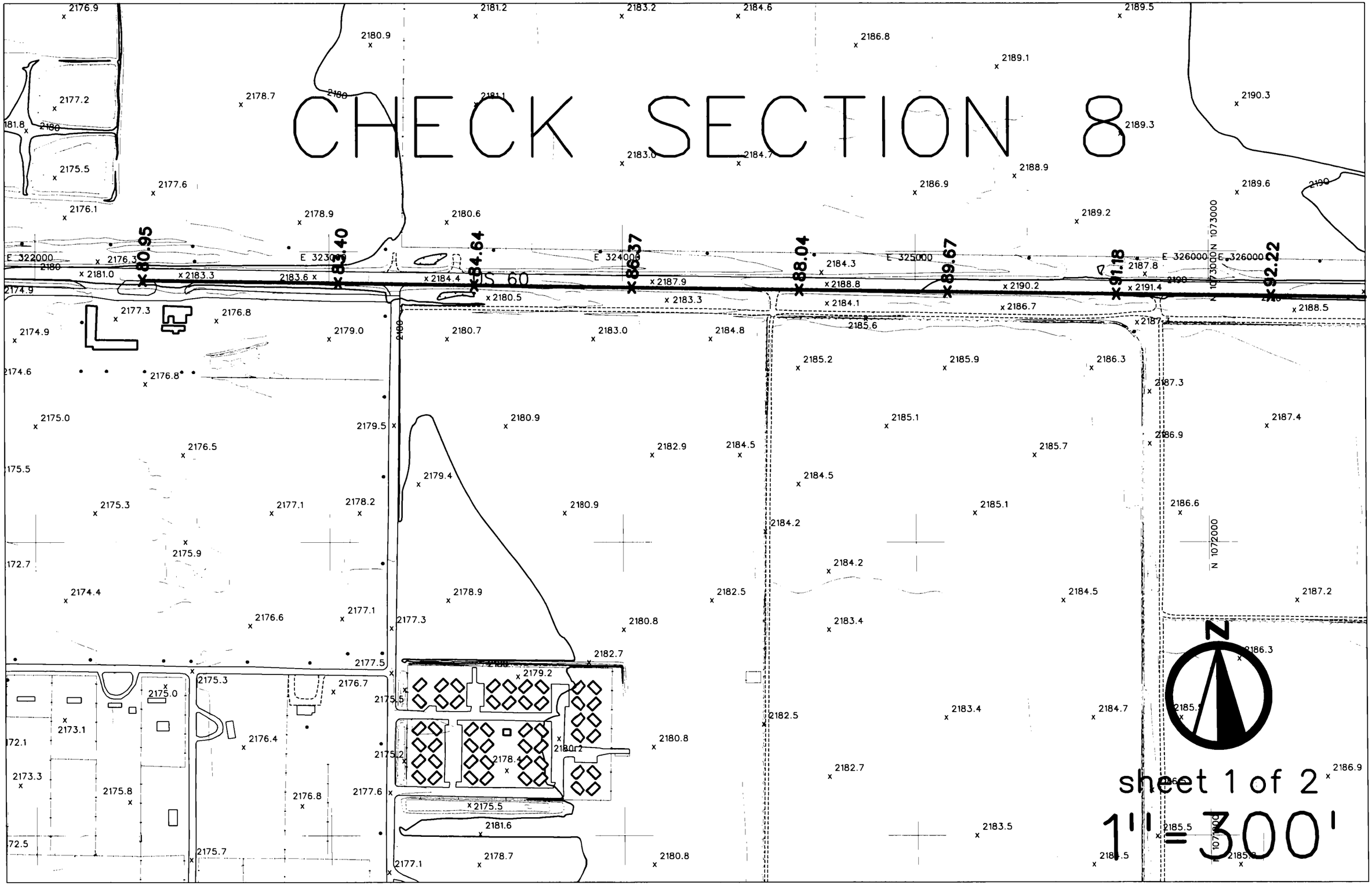
85.34
84.47
83.49
83.40

	FCD CONTRACT2001CO51 - AGUILA			
STRUCTURE AND CROSS SECTION DATA - CHECK SECTION #7				
430	1079510.77	323610.871	2186.928	NG
431	1078931.279	323605.591	2185.337	NG
432	1078350.26	323603.018	2184.466	NG
433	1077827.151	323584.354	2183.486	NG
434	1077271.751	323571.854	2183.398	NG
435	1076690.311	323552.723	2183.176	NG
436	1076199.988	323538.531	2182.182	NG
437	1075759.615	323520.196	2182.286	NG
438	1075693.139	323521.586	2188.120	NG
439	1075579.089	323451.232	2186.942	NG
440	1075128.33	323382.915	2188.690	NG
441	1074842.441	323281.653	2186.257	NG

CHECK SECTION 8



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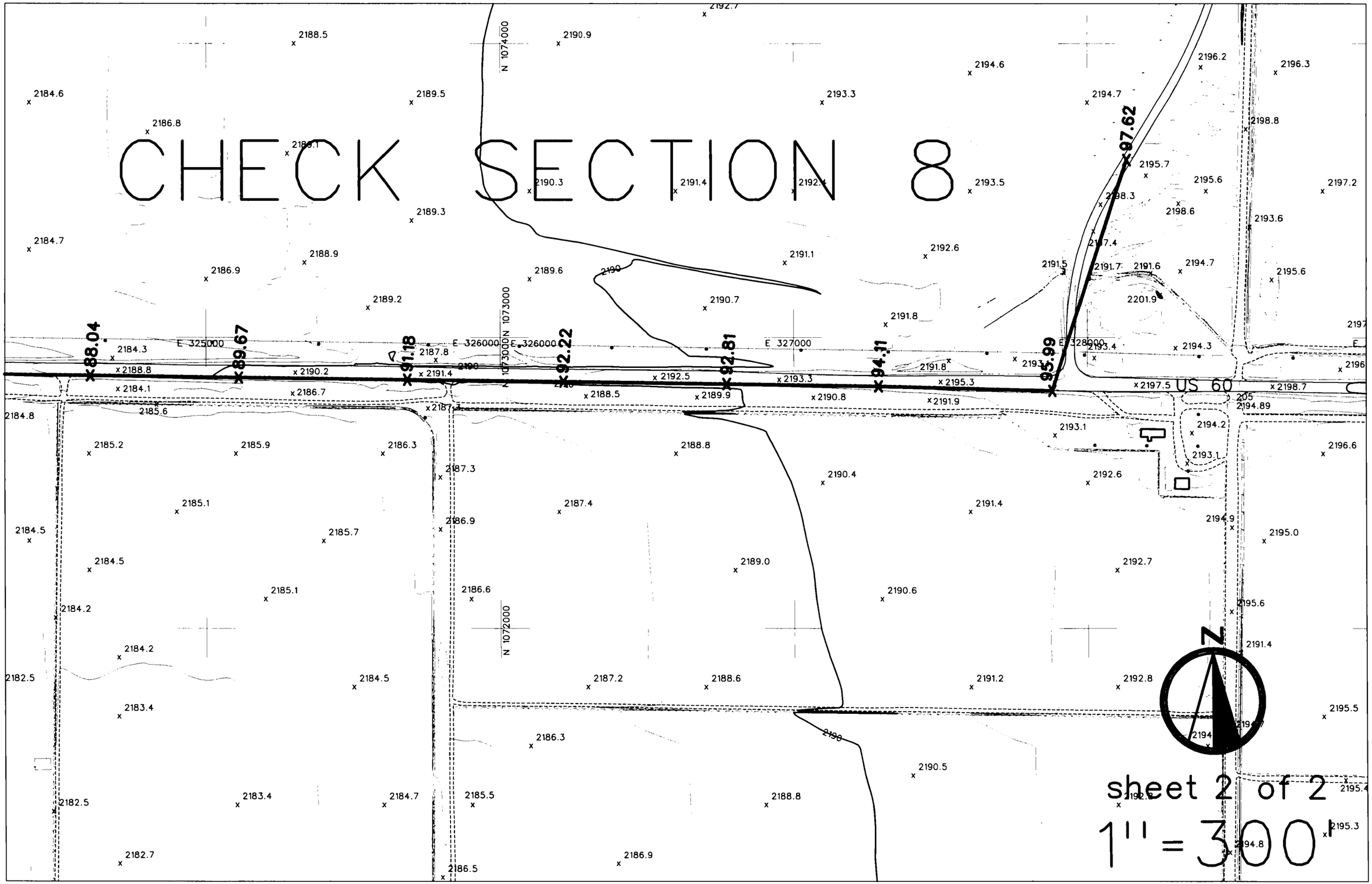


	FCD CONTRACT2001CO51 - AGUILA			
STRUCTURE AND CROSS SECTION DATA CHECK SECTION #8				
450	1072901.953	322362.74	2180.949	EP
451	1072892.337	323031.501	2183.396	EP
452	1072884.785	323492.89	2184.639	EP
453	1072877.136	324032.148	2186.367	EP
454	1072868.938	324605.008	2188.035	EP
455	1072861.826	325110.45	2189.673	EP
456	1072854.34	325684.925	2191.184	EP
457	1072847.896	326216.381	2192.221	EP
458	1072839.766	326772.808	2192.813	EP
459	1072832.028	327290.244	2194.109	EP
460	1072817.011	327876.454	2195.987	EP
420	1073606.249	328133.81	2197.624	P

CHECK SECTION 9

74.38

72.59

71.05

69.64

69.84

70.12

71.42

N 1068000

N 1067000

Sheet 1 of 2

1" = 300'

CHECK SECTION 9

69.84
70.12
71.42
72.33
73.16
74.28

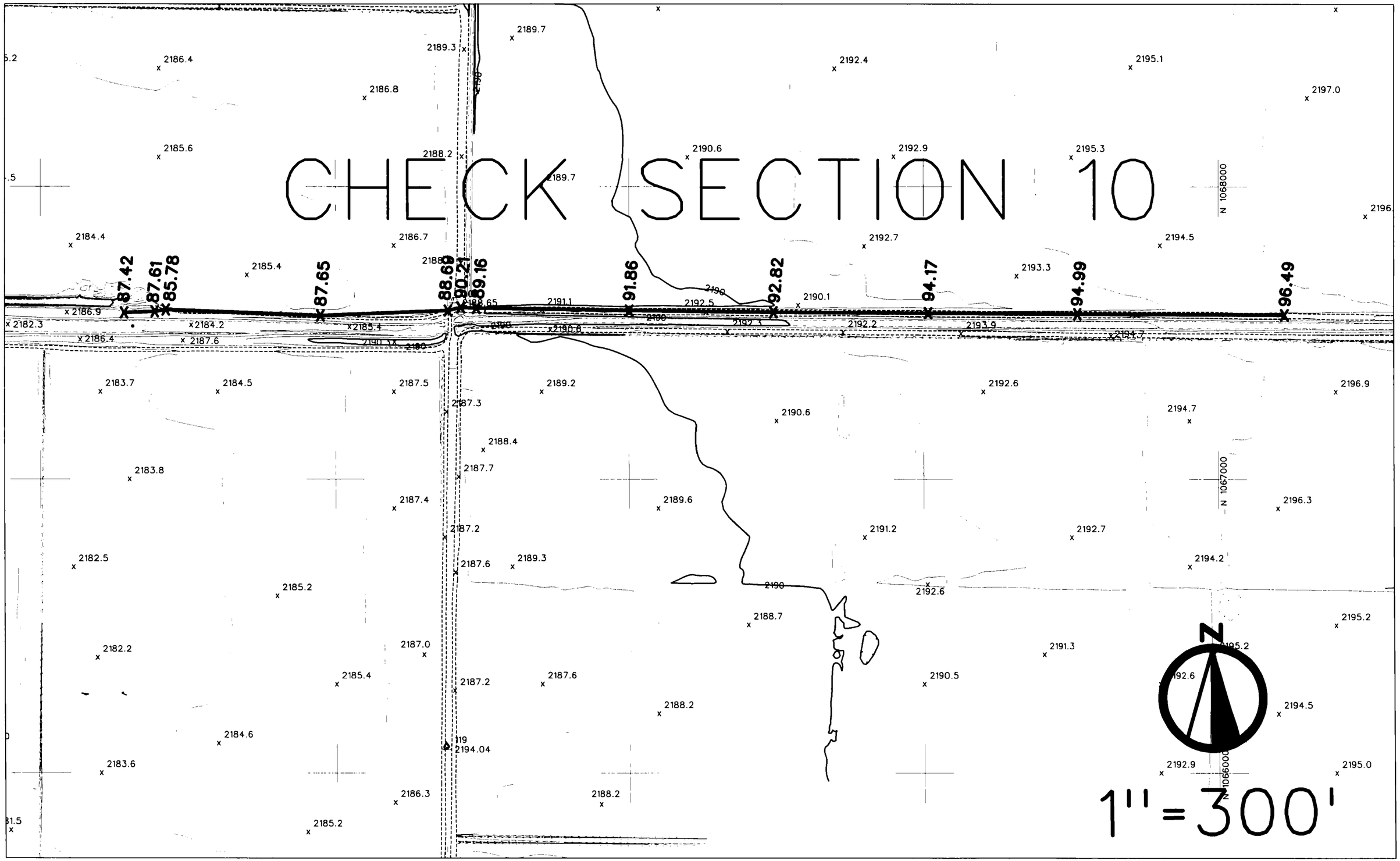
N 1068000
N 1067000
N 1066000

Sheet 2 of 2

1" = 300'

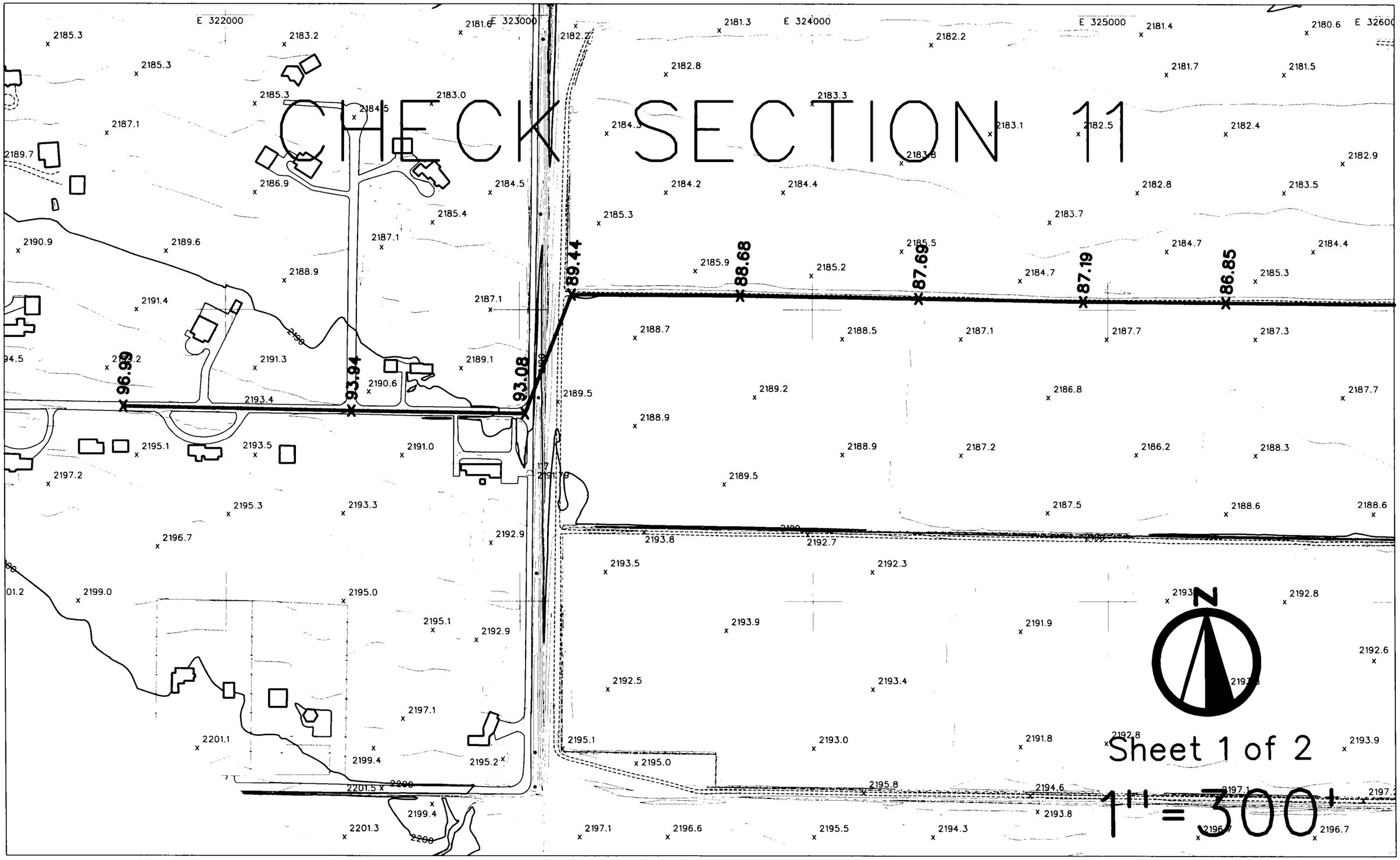
	FCD CONTRACT2001CO51 - AGUILA			
STRUCTURE AND CROSS SECTION DATA - CHECK SECTION #9				
375	1067628.905	320950.845	2170.117	NG
376	1067621.228	321507.225	2171.421	NG
377	1067611.685	322054.668	2172.331	NG
378	1067602.604	322602.78	2173.159	NG
379	1067591.517	323053.524	2174.277	NG
370	1067679.118	318190.867	2174.375	P
371	1067663.327	318787.134	2172.593	P
372	1067658.294	319316.255	2171.055	P
373	1067650.258	319857.776	2169.641	P
374	1067641.986	320401.374	2169.836	P

CHECK SECTION 10



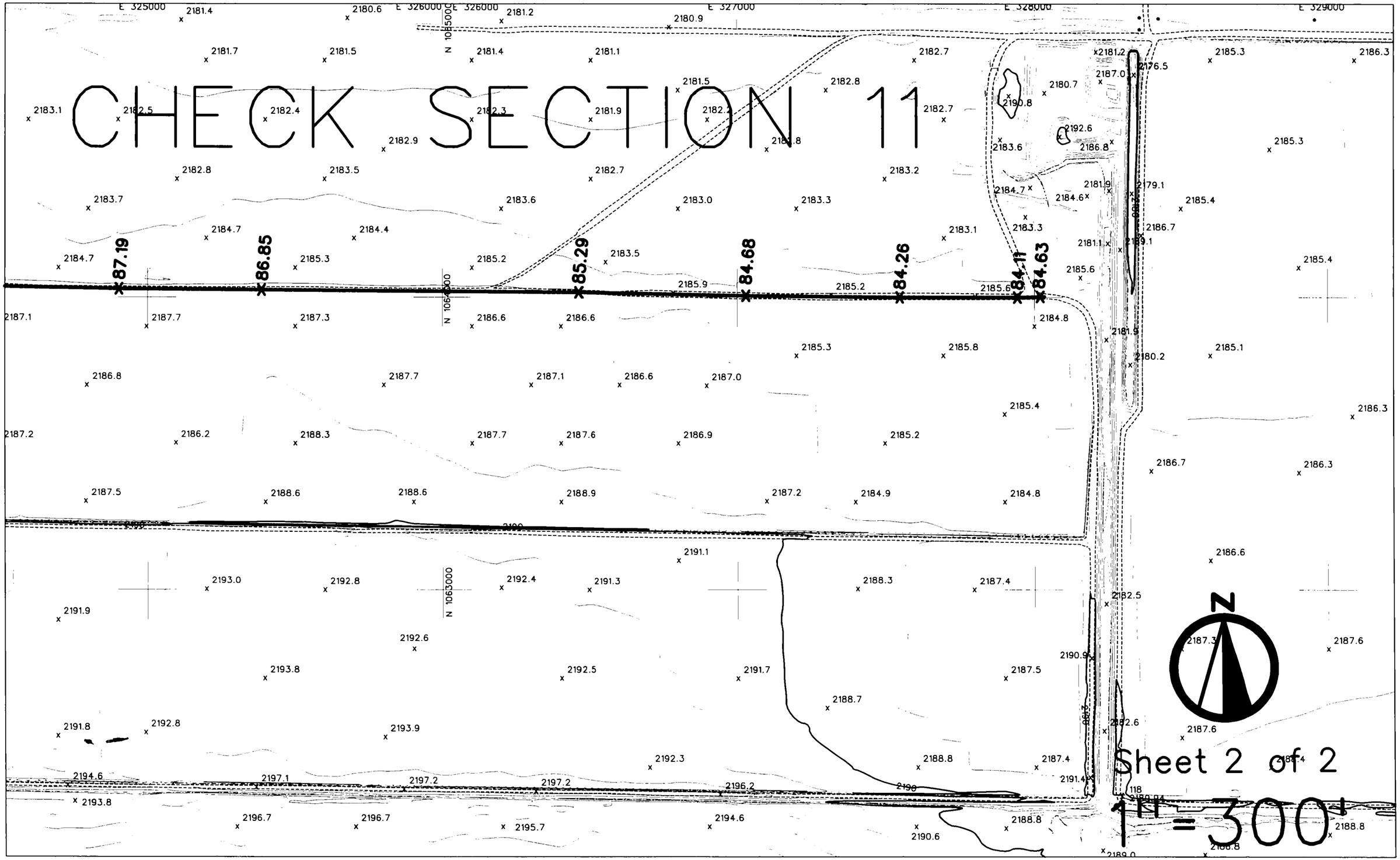
	FCD CONTRACT2001CO51 - AGUILA			
STRUCTURE AND CROSS SECTION DATA - CHECK SECTION #10				
390	1067563.221	331223.005	2196.494	NG
391	1067566.571	330521.77	2194.993	NG
392	1067569.439	330015.981	2194.173	NG
393	1067572.195	329489.637	2192.815	NG
394	1067578.516	329001.334	2191.862	NG
395	1067586.65	328478.318	2189.158	NG
396	1067588.698	328426.926	2190.214	NG
397	1067578.471	328383.183	2188.694	NG
398	1067561.146	327947.848	2187.652	NG
399	1067581.261	327424.21	2185.783	NG
400	1067574.772	327386.616	2187.615	NG
401	1067570.686	327282.339	2187.417	NG

CHECK SECTION 11



Sheet 1 of 2

1" = 300'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87.19
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84.63
E 325000
E 326000
E 327000
E 328000
E 329000
N 1065000
N 1064000
N 1063000
N
Sheet 2 of 2
1" = 300'

	FCD CONTRACT2001CO51 - AGUILA			
STRUCTURE AND CROSS SECTION DATA - CHECK SECTION 11				
410	1064052.658	323178.921	2189.441	NG
411	1064049.225	323751.044	2188.684	NG
412	1064039.271	324357.375	2187.694	NG
413	1064028.342	324916.769	2187.187	NG
414	1064024.914	325400.915	2186.850	NG
415	1064016.102	326473.92	2185.291	NG
416	1064004.688	327042.716	2184.683	NG
417	1063999.472	327564.647	2184.255	NG
418	1063999.081	327957.117	2184.112	NG
419	1064002.025	328033.346	2184.633	NG
380	1063668.621	321655.594	2196.993	P
381	1063653.21	322429.502	2193.937	P
382	1063644.222	323018.818	2193.076	P

CHECK SECTION 12

ARIZONA & CALIFORNIA RAILROAD

E 329000 E 330000 E 331000 E 331000 E 332000

N 1077000 N 1076000

sheet 1 of 4

1" = 300'

CHECK SECTION 12

ARIZONA & CALIFORNIA RAILROAD

sheet 2 of 4

1" = 300'

CHECK SECTION 12

ARIZONA & CALIFORNIA RAILROAD

24.06 | 26.55 | 29.80 | 31.84 | 34.27 | 35.92 | 37.94

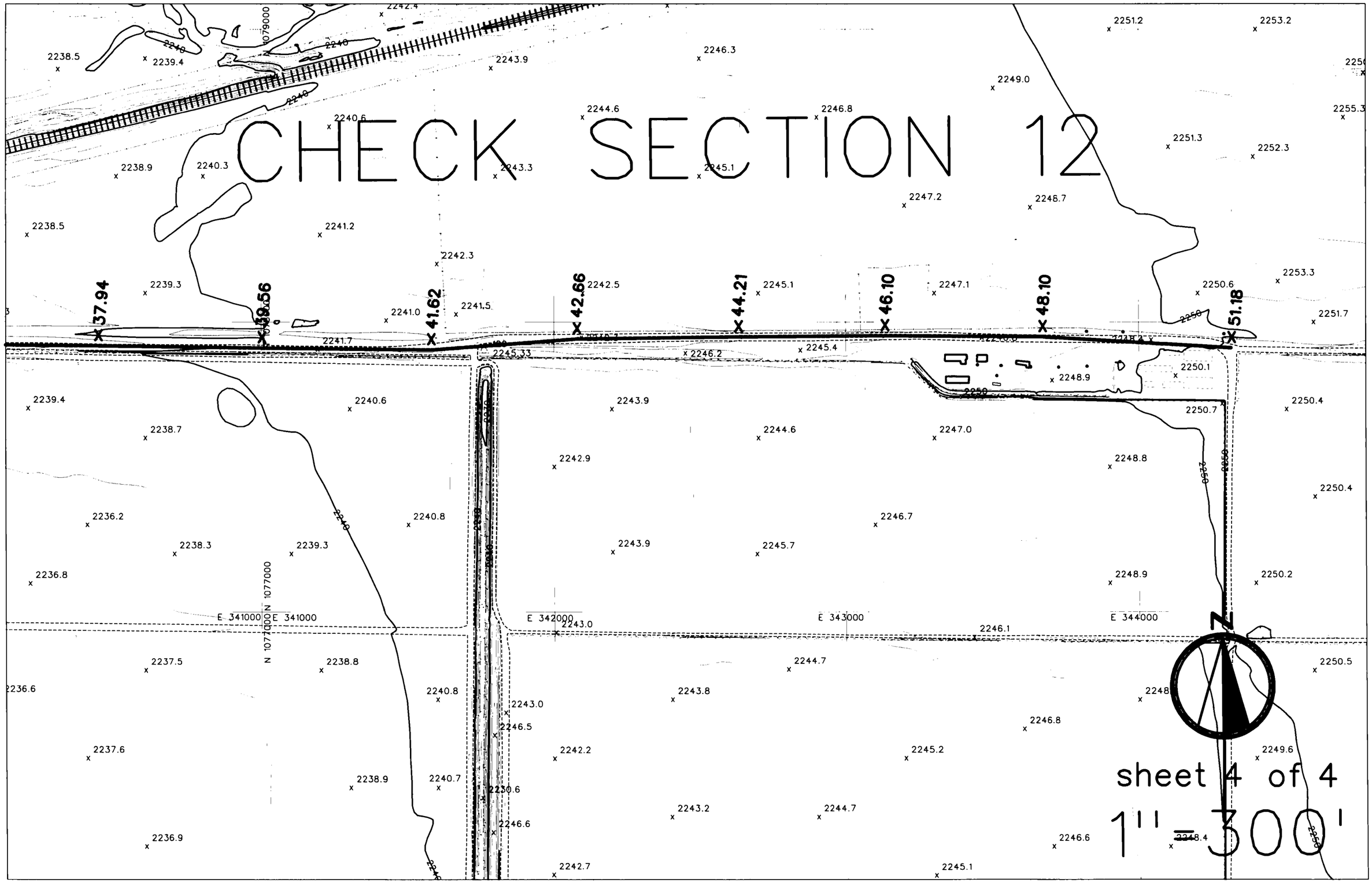
E 337000 | E 338000 | E 339000 | E 340000

N

sheet 3 of 4

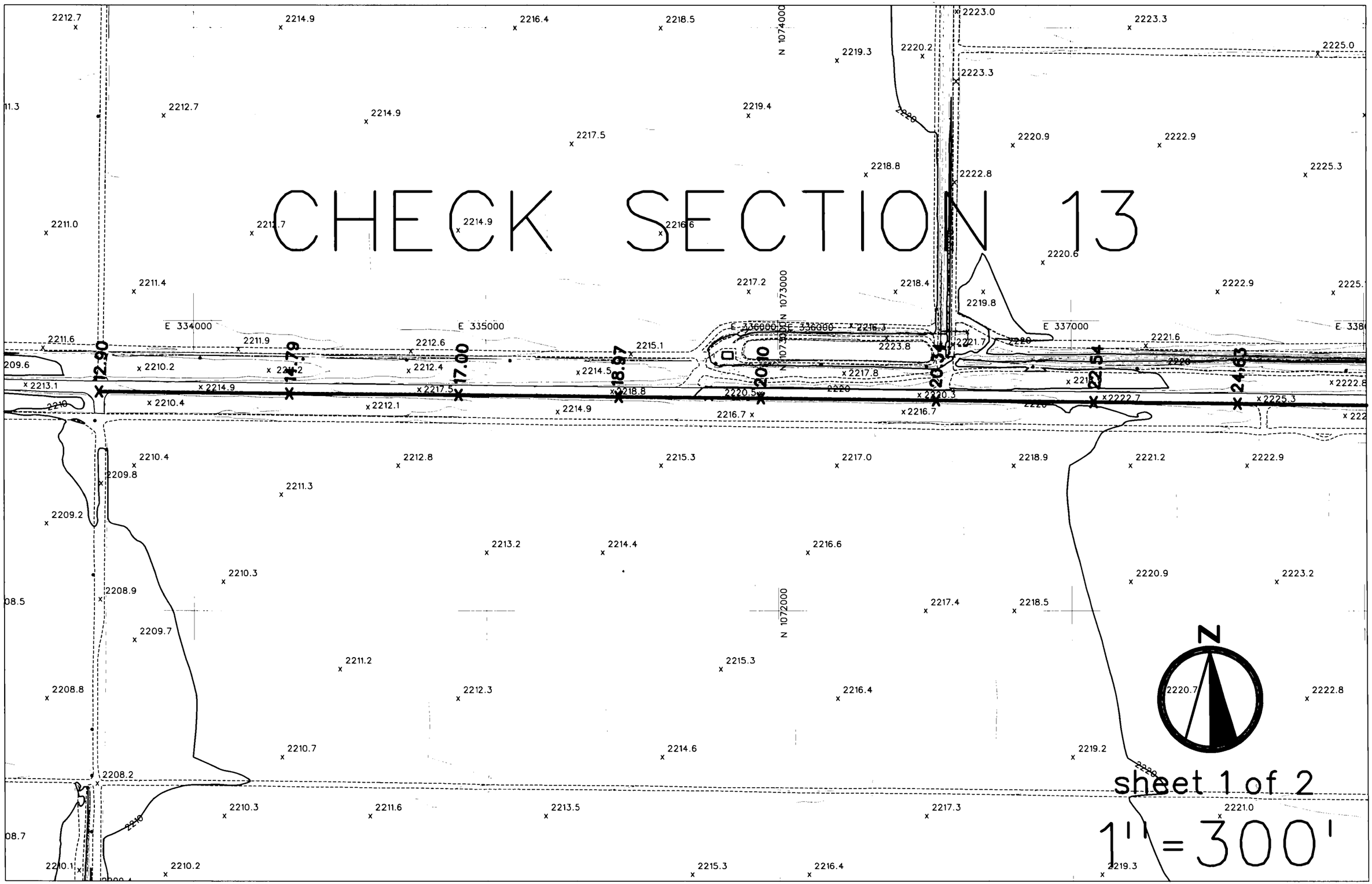
1" = 300'

CHECK SECTION 12



	FCD CONTRACT2001CO51 - AGUILA			
STRUCTURE AND CROSS SECTION DATA - CHECK SECTION #12				
701	1076005.999	328546.739	2204.516	CL
702	1075952.256	328546.122	2204.438	CL
703	1075899.311	328545.671	2204.235	CL
704	1075848.721	328545.059	2204.370	CL
705	1075797.525	328544.301	2204.260	CL
706	1075745.664	328543.748	2204.127	CL
424	1075614.491	328685.543	2199.602	NG
425	1075739.629	329265.556	2200.285	NG
426	1075869.859	329775.706	2201.332	NG
427	1075999.071	330293.105	2202.843	NG
428	1076135.444	330837.404	2204.681	NG
429	1076265.919	331359.804	2206.523	NG
590	1077911.111	344317.177	2251.182	NG
591	1077949.882	343667.786	2248.100	NG
592	1077953.231	343135.054	2246.101	NG
593	1077949.193	342634.361	2244.206	NG
594	1077942.192	342079.031	2242.661	NG
595	1077904.532	341581.363	2241.617	NG
596	1077911.056	341002.739	2239.557	NG
597	1077918.297	340439.942	2237.643	NG
598	1077923.558	339960.131	2235.922	NG
599	1077930.176	339438.142	2234.267	NG
600	1077938.754	338876.963	2231.843	NG
601	1077945.927	338313.882	2229.800	NG
602	1077900.342	337814.823	2228.260	NG
603	1077766.042	337285.842	2226.551	NG
604	1077633.838	336753.3	2224.957	NG
610	1077275.402	335351.585	2220.191	NG
611	1077127.404	334756.499	2217.963	NG
612	1077000.627	334256.395	2216.267	NG
613	1076866.392	333738.016	2215.072	NG
614	1076735.725	333203.394	2212.906	NG
615	1076601.519	332662.328	2210.857	NG
616	1076483.301	332169.363	2209.124	NG
617	1076342.694	331638.742	2207.316	NG
618	1076208.799	331109.418	2205.355	NG
619	1076066.054	330541.04	2203.439	NG
620	1075862.851	329734.63	2201.022	NG
421	1074574.634	328511.947	2199.059	P
422	1075204.57	328537.087	2201.804	P
423	1075600.192	328541.467	2203.777	P

CHECK SECTION 13



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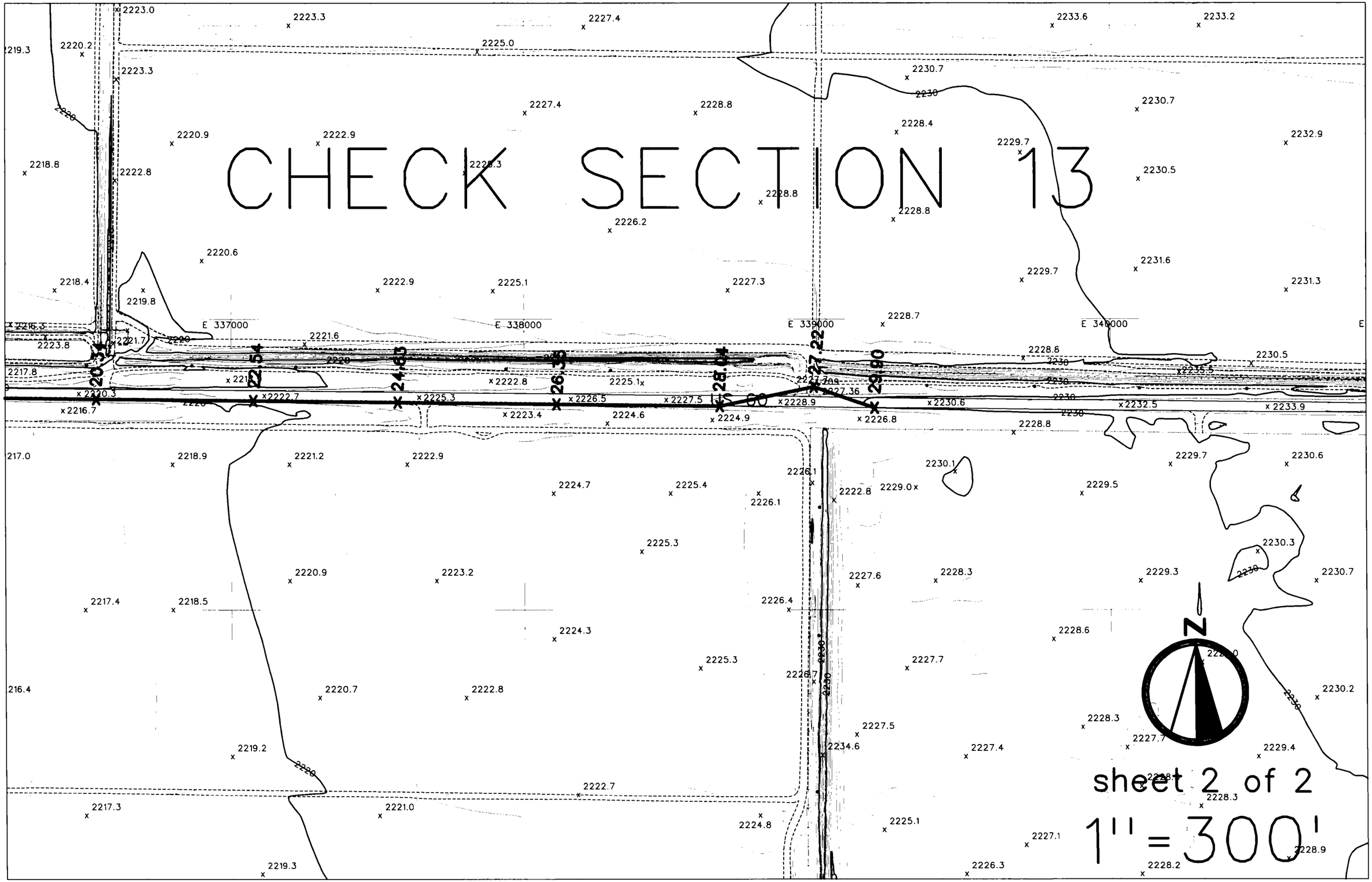
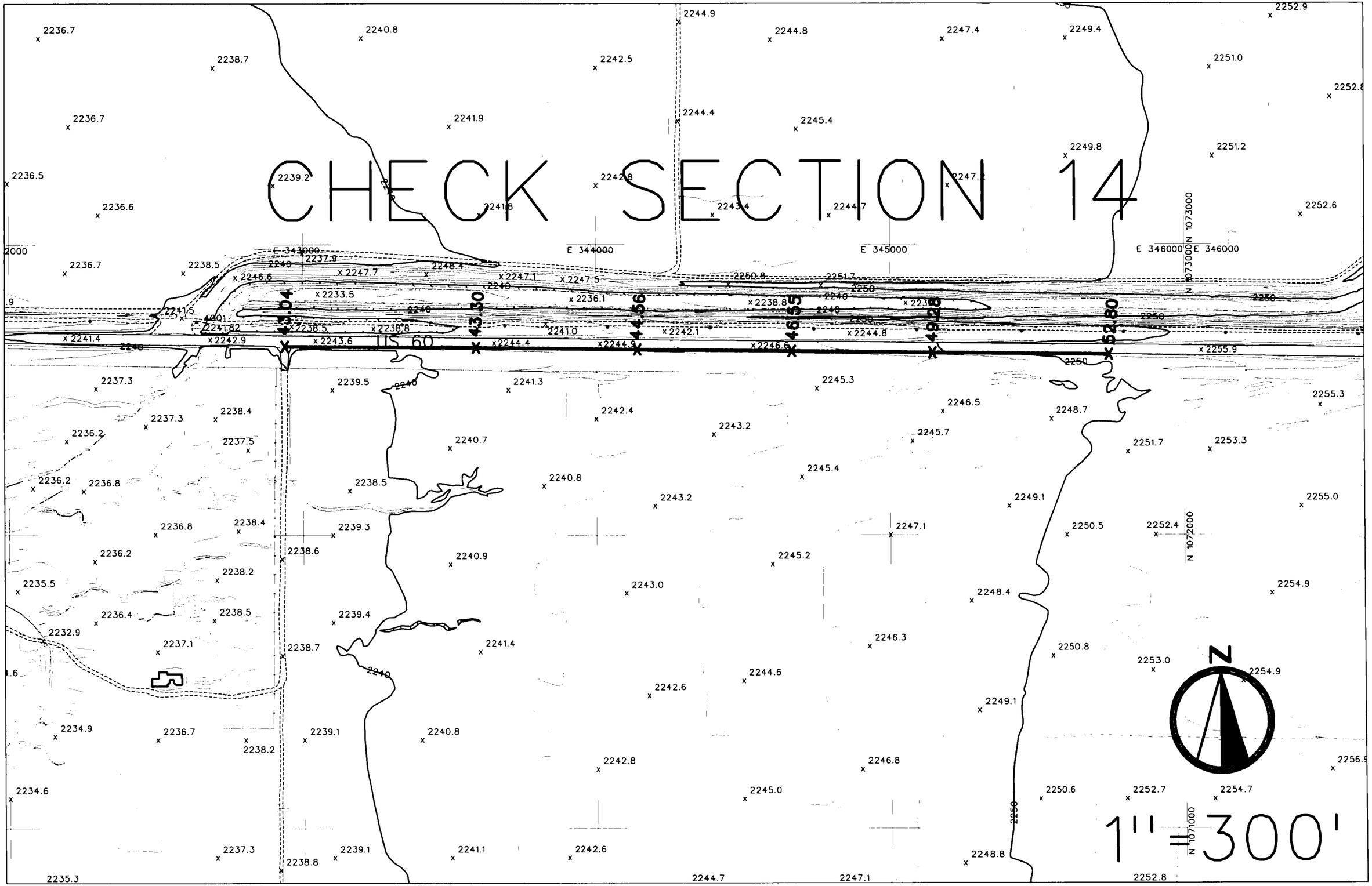


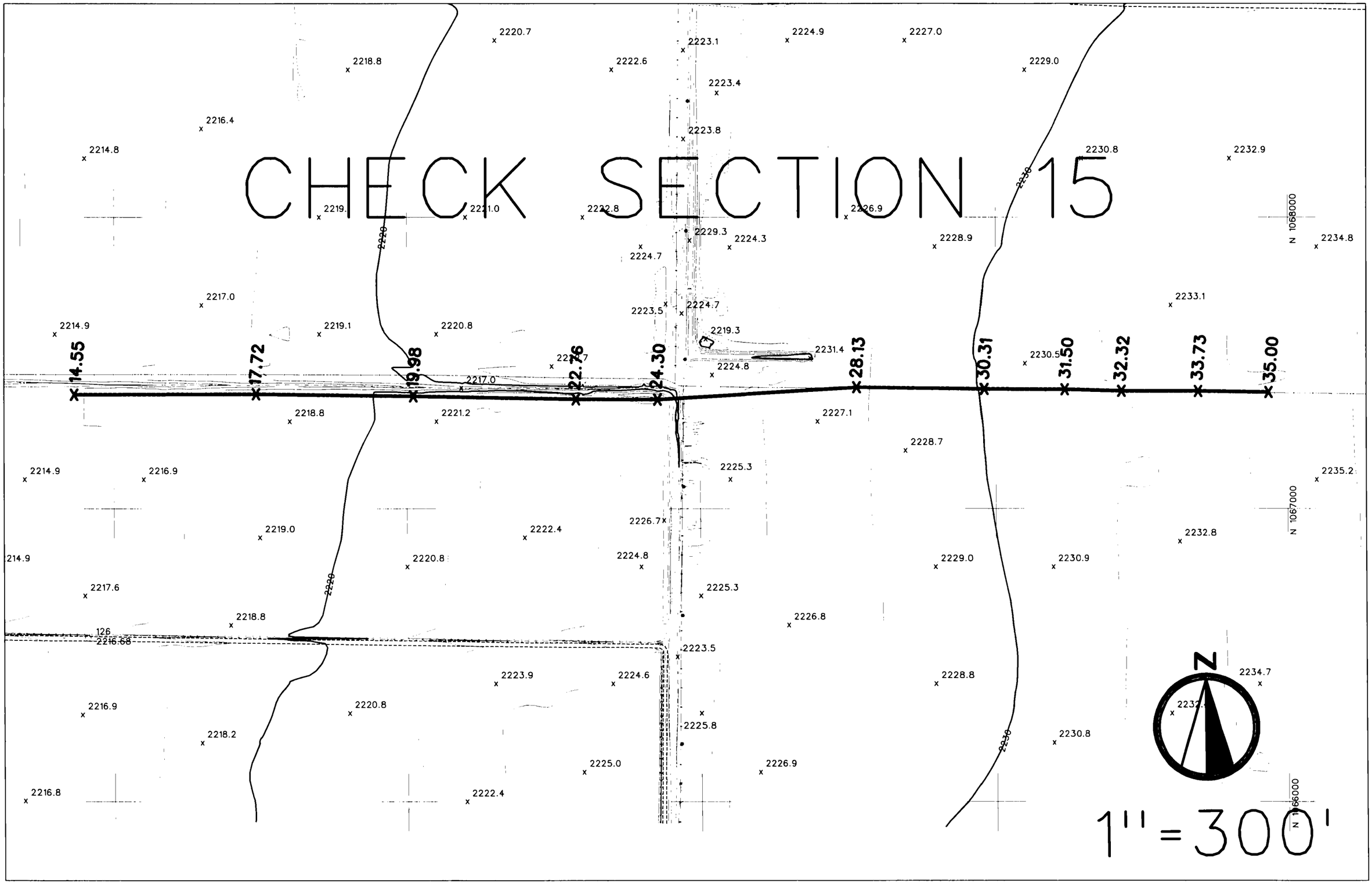
	FCD CONTRACT2001CO51 - AGUILA			
STRUCTURE AND CROSS SECTION DATA - CHECK SECTION #13				
470	1072755.042	333679.264	2212.898	EP
471	1072748.671	334329.512	2214.786	EP
472	1072744.236	334905.524	2217.004	EP
473	1072737.805	335456.213	2218.970	EP
474	1072732.978	335941.177	2220.096	EP
475	1072725.523	336539	2220.337	EP
476	1072719.551	337076.663	2222.541	EP
477	1072714.033	337567.773	2224.631	EP
478	1072707.713	338111.05	2226.349	EP
479	1072700.821	338669.886	2228.036	EP
480	1072694.871	339195.481	2229.898	EP
209	1072766.841	338989.003	2227.362	PP
2209	1072766.868	338989.244	2227.215	PP

CHECK SECTION 14



	FCD CONTRACT2001CO51 - AGUILA			
STRUCTURE AND CROSS SECTION DATA - CHECK SECTION #14				
490	1072650.72	342938.954	2243.039	EP
491	1072646.147	343589.048	2243.299	EP
492	1072639.841	344139.859	2244.561	EP
493	1072633.96	344667.979	2246.547	EP
494	1072628.046	345147.422	2249.279	EP
495	1072622.153	345746.571	2252.795	EP

CHECK SECTION 15



	FCD CONTRACT2001CO51 - AGUILA			
	STRUCTURE AND CROSS SECTION DATA			
520	1067391.954	336865.525	2214.554	NG
521	1067394.099	337488.482	2217.718	NG
522	1067386.555	338021.93	2219.981	NG
523	1067376.425	338574.59	2222.763	NG
524	1067375.038	338857.129	2224.295	NG
525	1067417.471	339534.924	2228.129	NG
526	1067411.524	339961.488	2230.307	NG
527	1067410.187	340242.363	2231.497	NG
528	1067404.471	340434.375	2232.317	NG
529	1067404.341	340693.888	2233.728	NG
530	1067400.569	340934.359	2235.002	NG

CHECK SECTION 16

N 1076000
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N 1073000
N 1072000
E 346000
E 347000
E 348000

58.70
55.62
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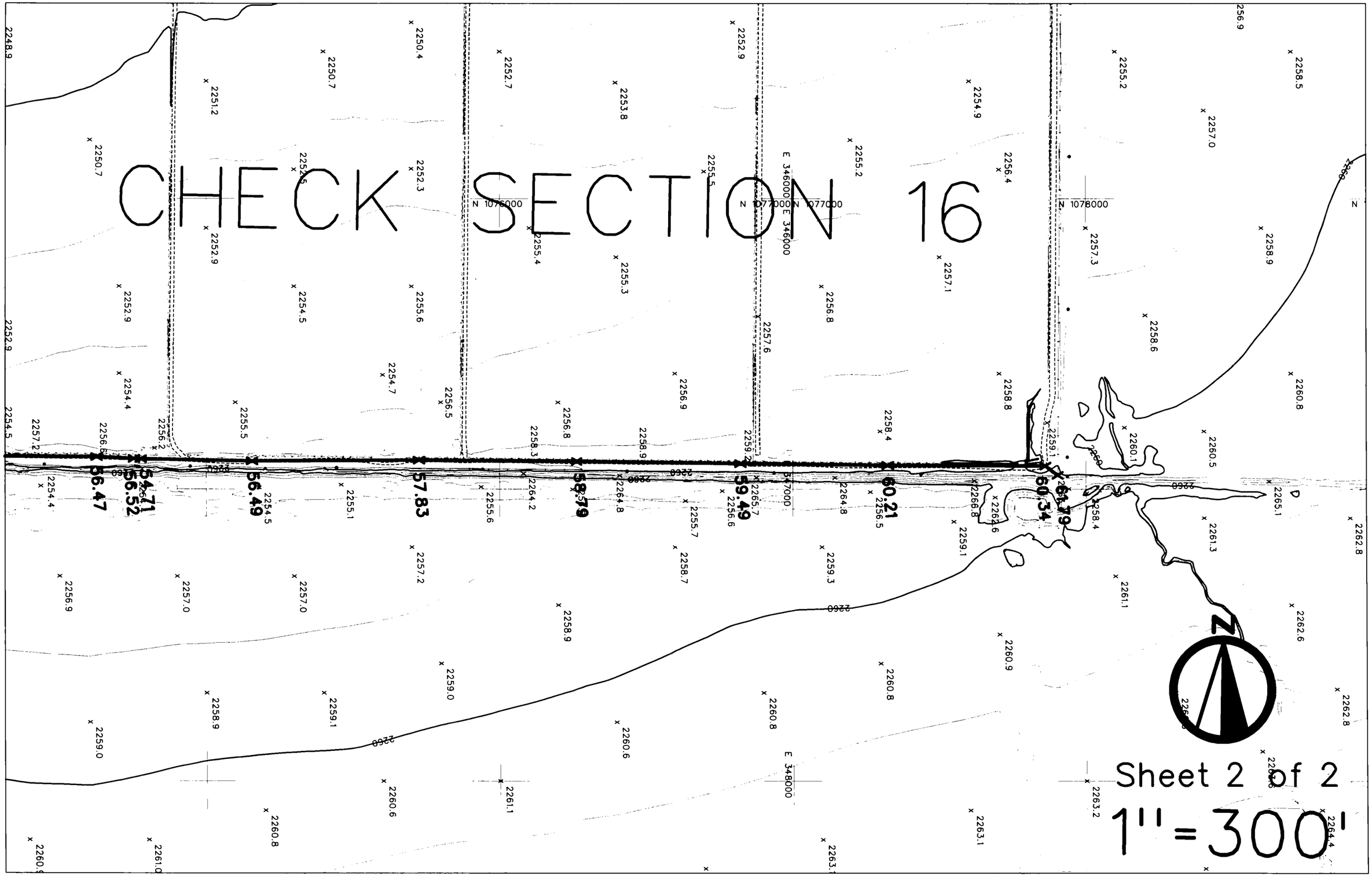
61.98
65.66

Sheet 1 of 2

1" = 300'

CHECK SECTION 16



	FCD CONTRACT2001CO51 - AGUILA			
	STRUCTURE AND CROSS SECTION DATA			
1	1077901.605	346951.926	2261.794	COR
500	1072608.533	346892.518	2258.787	EP
570	1077858.237	346919.841	2260.344	NG
571	1077325.174	346918.141	2260.207	NG
572	1076823.435	346912.065	2259.487	NG
573	1076264.519	346904.724	2258.789	NG
574	1075725.511	346900.433	2257.829	NG
575	1075156.925	346903.399	2256.486	NG
576	1074773.877	346896.275	2254.706	NG
577	1074751.343	346895.517	2256.515	NG
578	1074623.2	346889.413	2256.468	NG
579	1074002.208	346887.409	2255.464	NG
580	1073512.309	346881.477	2255.534	NG
581	1073167.355	346861.752	2255.623	NG

CHECK SECTION 17

55.53
55.62
58.79
61.98
63.66
68.74
72.62
75.95
79.57
83.01

US 60

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E 350000
E 351000
N 1073000
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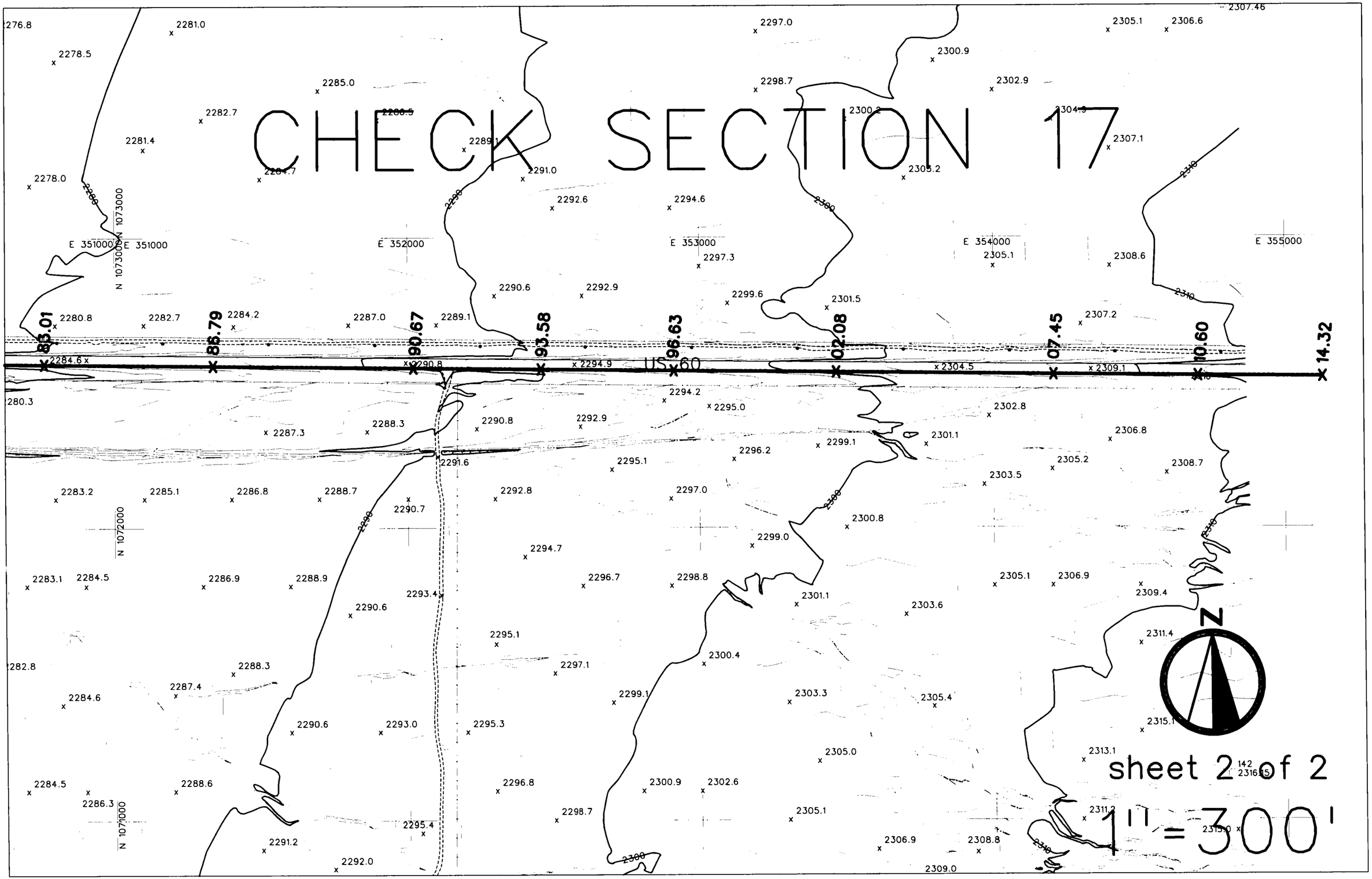
N 1071000

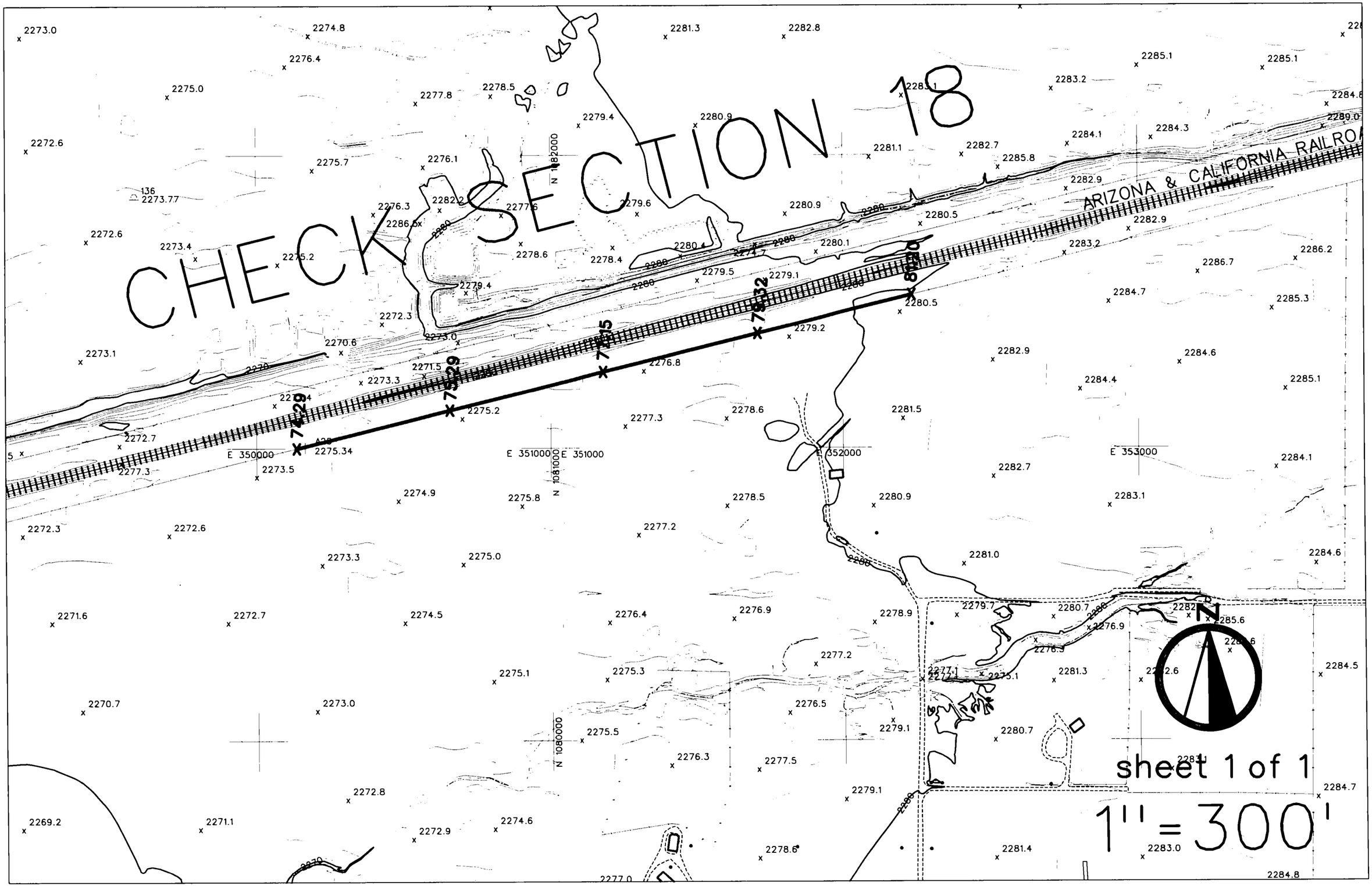
sheet 1 of 2

1" = 300'

CHECK SECTION 17

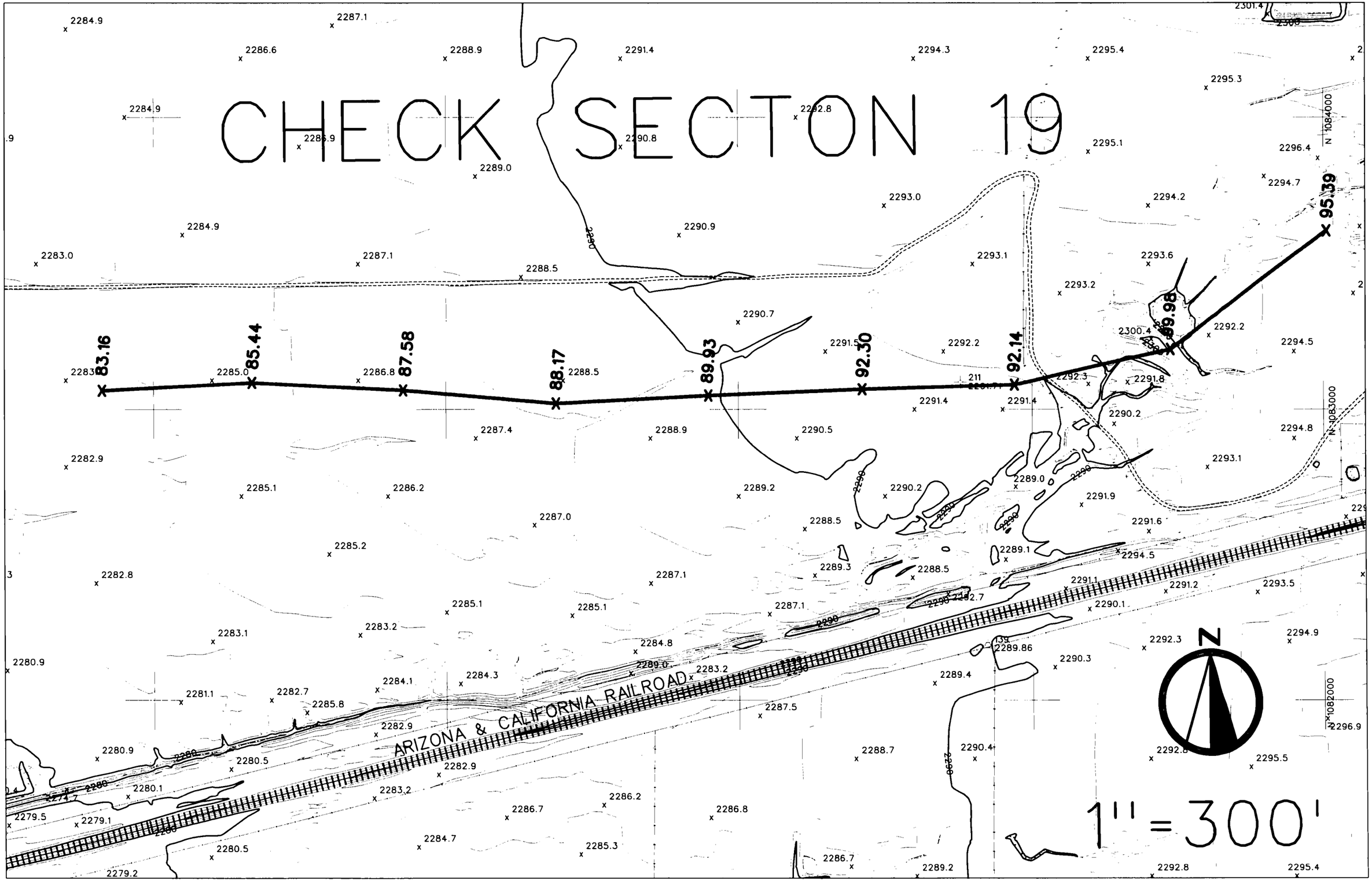


	FCD CONTRACT2001CO51 - AGUILA			
STRUCTURE AND CROSS SECTION DATA - CHECK SECTION #17				
500	1072608.533	346892.518	2258.787	EP
501	1072602.356	347465.984	2261.982	EP
502	1072595.905	348065.028	2265.662	EP
503	1072590.156	348571.423	2268.744	EP
504	1072582.498	349197.012	2272.616	EP
505	1072577.452	349717.191	2275.949	EP
506	1072570.998	350284.899	2279.567	EP
507	1072565.651	350762.734	2283.007	EP
508	1072559.871	351337.79	2286.791	EP
509	1072552.114	352020.319	2290.674	EP
510	1072546.971	352458.591	2293.582	EP
511	1072542.064	352911.989	2296.629	EP
512	1072536.22	353466.536	2302.084	EP
513	1072527.856	354206.2	2307.445	EP
514	1072522.286	354700.522	2310.599	EP
515	1072518.292	355127.618	2314.316	EP


CHECK SECTION 18
ARIZONA & CALIFORNIA RAILRO
sheet 1 of 1
1" = 300'
E 350000
E 351000
E 352000
E 353000
N 1082000
N 1081000
N 1080000
N

	FCD CONTRACT2001CO51 - AGUILA			
STRUCTURE AND CROSS SECTION DATA - CHECK SECTION #18				
550	1081525.121	352230.919	2281.202	NG
551	1081392.944	351705.586	2279.315	NG
552	1081261.568	351182.743	2277.153	NG
553	1081130.203	350657.911	2275.291	NG
554	1080999.351	350135.499	2274.289	NG

CHECK SECTON 19



	FCD CONTRACT2001CO51 - AGUILA			
STRUCTURE AND CROSS SECTION DATA - CHECK SECTION #19				
560	1083614.165	356009.393	2295.386	NG
561	1083207.052	355472.628	2299.980	NG
562	1083085.358	354940.603	2292.138	NG
563	1083069.395	354425.655	2292.301	NG
564	1083047.947	353897.94	2289.925	NG
565	1083020.546	353375.618	2288.168	NG
566	1083066.192	352853.511	2287.576	NG
567	1083091.998	352336.821	2285.443	NG
568	1083064.36	351821.596	2283.161	NG

CHECK SECTION 20

ARIZONA & CALIF

A RAILROAD

N 1083000

N 1082000

N 1081000

E 354000

E 355000

E 356000

E 357000

E 358000

X 88.67

X 91.19

X 92.68

X 95.88

X 99.14

X 01.34

X 03.97

N

sheet 1 of 2

1" = 300'

CHECK SECTION 20

ARIZONA & CALIFORNIA RAILROAD

99.14
01.34
03.97
05.95
08.16
09.87

N 1084000
N 1083000
N 1082000

sheet 2 of 2

1" = 300'

	FCD CONTRACT2001CO51 - AGUILA			
STRUCTURE AND CROSS SECTION DATA - CHECK SECTION #20				
540	1083569.955	359329.686	2309.867	NG
541	1083408.412	358786.736	2308.159	NG
542	1083278.737	358256.918	2305.948	NG
543	1083142.136	357718.922	2303.974	NG
544	1083013.051	357203.2	2301.344	NG
545	1082792.163	356725.474	2299.137	NG
546	1082649.565	356173.208	2295.680	NG
547	1082518.655	355636.62	2292.680	NG
548	1082387.652	355113.688	2291.187	NG
549	1082302.085	354690.064	2288.672	NG

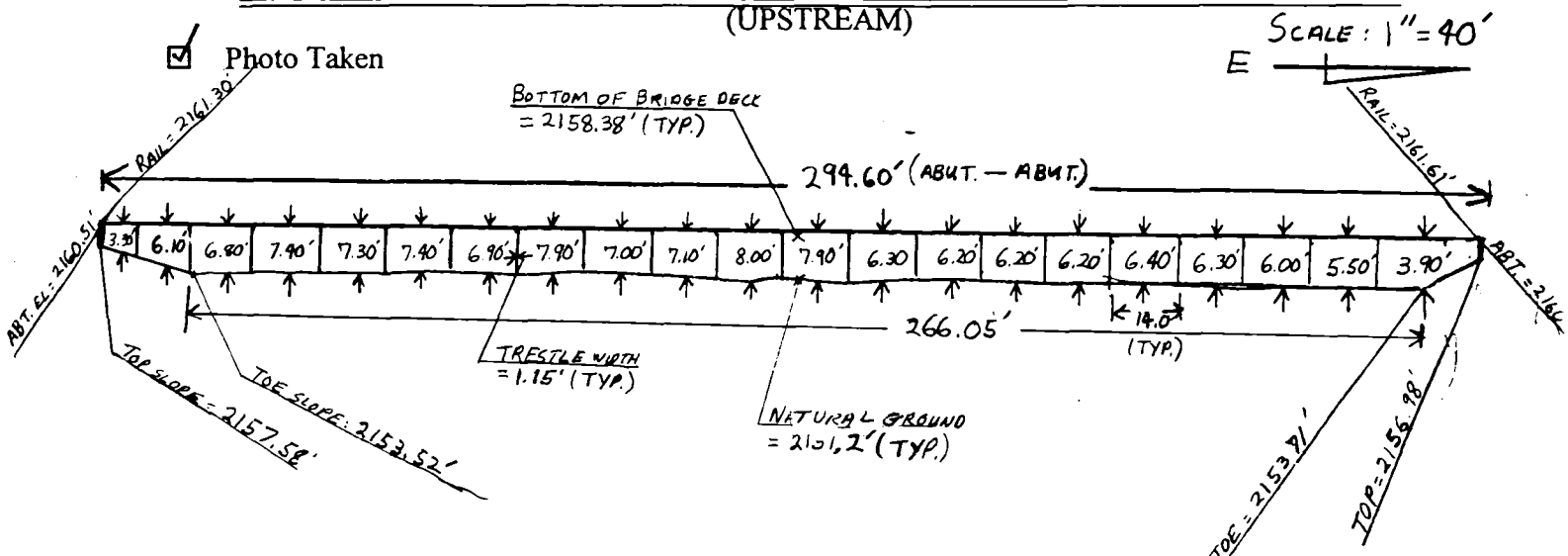
SECTION 4
STRUCTURE SURVEYS

FCDMC Contract 2001C051
Task 1 – Surveying and Mapping at Aguila
WORKSHEET
DTM, INC. Project #21152

Type of Structure: RAILROAD BRIDGE Date: 15-MAY-2002
File Name: _____ Description Name: _____
Party Chief: Lance Eveland GDAC Control Pt # 58 (4NR1)

(UPSTREAM)

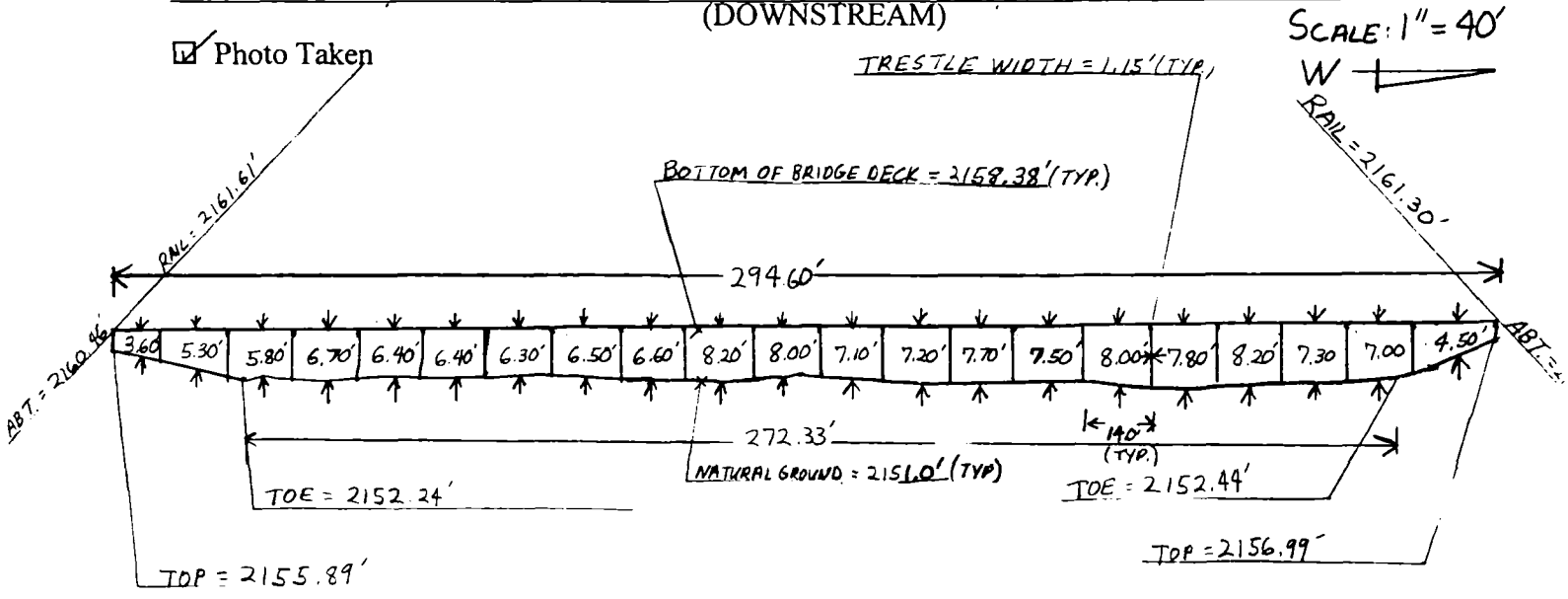
☑ Photo Taken



General Condition of Structure THE BRIDGE IS IN DECENT SHAPE. THERE IS A LOT OF EROSION UNDER CUTTING THE CONCRETE FOUNDATIONS AT THE BASE OF THE TRESTLES.

(DOWNSTREAM)

☑ Photo Taken



General Condition of Structure THE STEEL PORTIONS OF THE BRIDGE ARE IN GOOD CONDITION; THE WOOD PORTIONS, HOWEVER, ARE SHOWING SIGNS OF EROSION AND AGE.

	FCD CONTRACT2001CO51 - AGUILA			
STRUCTURE AND CROSS SECTION DATA - RAILROAD				
1501	1072049.004	314043.002	2160.719	CL
1502	1072054.276	314064.841	2160.789	CL
1503	1072059.427	314084.944	2160.793	CL
1504	1072064.547	314105.687	2160.847	CL
1505	1072069.484	314125.708	2160.870	CL
1506	1072074.631	314146.458	2160.860	CL
1507	1072079.771	314166.682	2160.893	CL
1508	1072084.791	314186.885	2160.923	CL
1509	1072089.901	314207.029	2160.933	CL
1510	1072094.832	314227.02	2160.992	CL
1511	1072100.171	314248.388	2161.021	CL
1512	1072105.034	314267.823	2161.005	CL
1513	1072110.25	314288.31	2161.035	CL
1514	1072115.088	314308.444	2161.036	CL
1515	1072120.3	314329.224	2161.016	CL
1522	1072127.632	314327.015	2160.445	GRATE
1523	1072129.484	314326.543	2160.391	GRATE
1582	1072058.602	314042.27	2156.721	NG
1583	1072061.889	314054.856	2152.664	NG
1584	1072063.081	314061.857	2151.445	NG
1585	1072065.332	314067.981	2152.655	NG
1586	1072067.229	314075.126	2151.504	NG
1587	1072068.741	314081.847	2151.061	NG
1588	1072070.409	314089.175	2149.993	NG
1589	1072072.144	314095.665	2149.984	NG
1590	1072073.627	314102.436	2150.331	NG
1591	1072075.464	314109.337	2150.676	NG
1592	1072077.136	314115.592	2150.070	NG
1593	1072078.898	314122.902	2150.761	NG
1594	1072080.694	314129.48	2150.980	NG
1595	1072082.58	314136.002	2150.873	NG
1596	1072084.656	314143.163	2150.841	NG
1597	1072086.196	314149.857	2150.848	NG
1598	1072088.19	314156.774	2150.787	NG
1599	1072089.588	314163.53	2151.154	NG
1600	1072091.329	314170.293	2150.953	NG
1601	1072092.845	314176.919	2150.674	NG
1602	1072094.765	314183.866	2150.466	NG
1603	1072096.543	314190.535	2150.421	NG
1604	1072097.899	314197.011	2149.925	NG
1605	1072099.306	314204.396	2151.477	NG
1606	1072100.987	314211.097	2151.781	NG
1607	1072102.583	314217.851	2151.807	NG
1608	1072104.172	314224.723	2151.598	NG
1609	1072106.359	314231.448	2152.195	NG
1610	1072108.077	314238.228	2152.352	NG
1611	1072110.175	314244.89	2151.680	NG
1612	1072111.701	314251.643	2151.760	NG
1613	1072113.471	314258.343	2152.357	NG

1614	1072114.978	314265.307	2152.147	NG
1615	1072116.83	314272	2151.874	NG
1616	1072117.73	314278.638	2152.222	NG
1617	1072119.948	314285.257	2152.582	NG
1618	1072122.246	314291.834	2152.351	NG
1619	1072123.354	314298.79	2152.787	NG
1620	1072124.677	314305.945	2153.452	NG
1621	1072126.426	314312.482	2154.493	NG
1622	1072128.174	314319.204	2155.627	NG
1623	1072129.789	314325.334	2156.497	NG
1624	1072111.043	314330.259	2155.904	NG
1625	1072107.793	314317.394	2153.939	NG
1626	1072106.004	314310.538	2153.441	NG
1627	1072104.307	314303.718	2153.022	NG
1628	1072101.404	314297.692	2152.012	NG
1629	1072100.779	314290.54	2151.993	NG
1630	1072099.125	314283.806	2151.948	NG
1631	1072097.442	314276.933	2151.992	NG
1632	1072095.813	314270.03	2151.799	NG
1633	1072094.105	314263.304	2151.988	NG
1634	1072092.462	314256.472	2152.209	NG
1635	1072090.403	314249.678	2152.189	NG
1636	1072088.786	314242.967	2151.281	NG
1637	1072079.228	314236.391	2151.211	NG
1638	1072086.896	314236.169	2151.633	NG
1639	1072085.629	314229.262	2151.960	NG
1640	1072083.972	314222.647	2152.092	NG
1641	1072082.248	314215.851	2151.914	NG
1642	1072080.362	314208.885	2151.798	NG
1643	1072077.832	314202.28	2150.480	NG
1644	1072076.158	314195.54	2150.725	NG
1645	1072074.904	314188.7	2150.072	NG
1646	1072073.252	314181.843	2150.992	NG
1647	1072071.845	314174.866	2151.045	NG
1648	1072069.684	314168.378	2150.990	NG
1649	1072068.266	314161.478	2151.017	NG
1650	1072066.455	314154.846	2150.893	NG
1651	1072064.923	314148.031	2150.260	NG
1652	1072063.043	314141.165	2150.730	NG
1653	1072061.098	314134.311	2151.243	NG
1654	1072059.792	314128.087	2151.160	NG
1655	1072058.113	314120.792	2151.115	NG
1656	1072055.602	314113.968	2150.923	NG
1657	1072054.794	314107.189	2150.872	NG
1658	1072052.502	314100.766	2150.416	NG
1659	1072051.185	314093.494	2149.947	NG
1660	1072049.362	314086.796	2151.053	NG
1661	1072047.825	314079.934	2151.850	NG
1662	1072045.86	314073.349	2152.402	NG
1663	1072043.824	314066.888	2152.446	NG
1664	1072042.617	314059.224	2154.032	NG

1665	1072040.2	314046.498	2156.995	NG
1521	1072131.497	314325.674	2160.508	POST
1530	1072110.308	314330.854	2160.483	POST
1536	1072059.941	314041.575	2160.663	POST
1541	1072038.597	314046.604	2160.518	POST
1516	1072122.91	314328.853	2161.631	RAIL
1524	1072118.131	314329.922	2161.591	RAIL
1531	1072051.295	314042.448	2161.337	RAIL
1537	1072046.474	314043.367	2161.312	RAIL
1517	1072127.749	314328.88	2160.679	STRUC.
1518	1072129.585	314326.811	2160.402	STRUC.
1519	1072131.405	314326.416	2160.482	STRUC.
1520	1072132.456	314326.117	2159.498	STRUC.
1525	1072114.777	314332.32	2160.681	STRUC.
1526	1072114.051	314330.847	2160.418	STRUC.
1527	1072110.214	314331.589	2160.477	STRUC.
1528	1072109.297	314331.86	2159.443	STRUC.
1529	1072107.388	314332.411	2157.385	STRUC.
1532	1072055.268	314039.974	2160.783	STRUC.
1533	1072059.701	314040.823	2160.593	STRUC.
1534	1072060.774	314040.617	2159.596	STRUC.
1535	1072062.656	314040.172	2157.369	STRUC.
1538	1072042.31	314043.511	2160.710	STRUC.
1539	1072038.569	314045.929	2160.441	STRUC.
1540	1072037.58	314046.239	2159.435	STRUC.
1542	1072045.662	314058.978	2153.327	TREL.
1543	1072048.957	314072.404	2152.823	TREL.
1544	1072052.372	314086.306	2153.338	TREL.
1545	1072055.791	314099.69	2153.012	TREL.
1546	1072059.205	314113.316	2152.784	TREL.
1547	1072062.359	314126.909	2152.395	TREL.
1548	1072064.472	314140.927	2152.246	TREL.
1549	1072068.051	314154.421	2151.766	TREL.
1550	1072071.219	314167.877	2151.287	TREL.
1551	1072074.628	314181.488	2151.295	TREL.
1552	1072077.967	314195.042	2151.566	TREL.
1553	1072081.397	314208.731	2152.023	TREL.
1554	1072084.804	314222.334	2152.796	TREL.
1555	1072088.344	314235.94	2152.857	TREL.
1556	1072091.617	314249.405	2152.804	TREL.
1557	1072095.035	314263.005	2152.863	TREL.
1558	1072098.424	314276.705	2152.801	TREL.
1559	1072101.859	314290.367	2153.029	TREL.
1560	1072105.442	314303.671	2153.011	TREL.
1561	1072108.568	314317.512	2154.241	TREL.
1562	1072126.001	314313.092	2154.361	TREL.
1563	1072122.574	314299.372	2153.061	TREL.
1564	1072119.208	314285.787	2153.084	TREL.
1565	1072115.717	314272.289	2152.900	TREL.
1566	1072112.386	314258.623	2152.834	TREL.
1567	1072108.968	314245.05	2152.826	TREL.

1568	1072105.546	314231.514	2152.805	TREL.
1569	1072102.116	314217.963	2152.829	TREL.
1570	1072098.79	314204.357	2152.973	TREL.
1571	1072095.457	314190.753	2151.644	TREL.
1572	1072092.031	314177.166	2151.198	TREL.
1573	1072088.587	314163.647	2151.487	TREL.
1574	1072085.161	314150.082	2151.792	TREL.
1575	1072081.829	314136.445	2152.132	TREL.
1576	1072078.394	314122.839	2152.456	TREL.
1577	1072074.977	314109.228	2152.780	TREL.
1578	1072071.551	314095.695	2153.013	TREL.
1579	1072068.131	314082.083	2153.489	TREL.
1580	1072064.705	314068.433	2153.722	TREL.
1581	1072061.32	314055.016	2153.836	TREL.

RR-up1.JPG

RR-up2.JPG

RR-DN1.JPG

RR-DN2.JPG

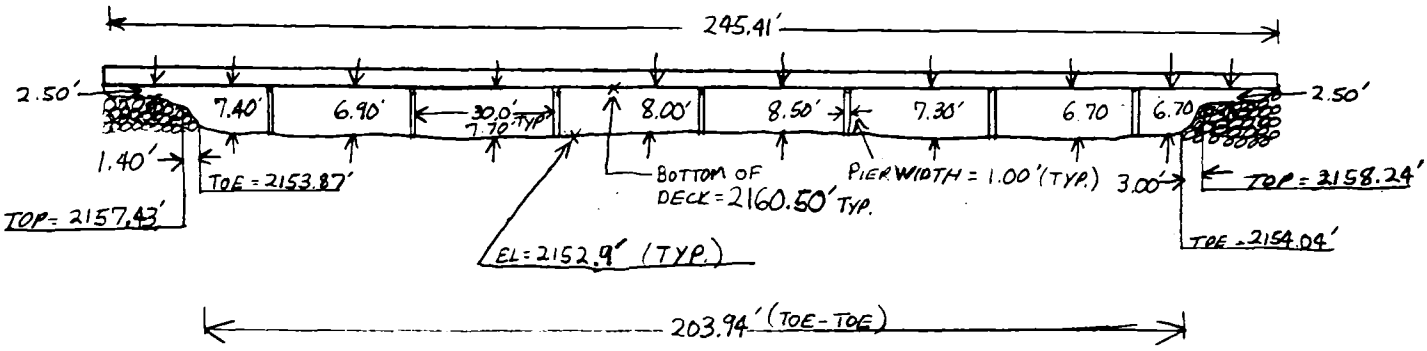
FCDMC Contract 2001C051
Task 1 – Surveying and Mapping at Aguila
WORKSHEET
DTM, INC. Project #21152

Type of Structure: U.S. 60 BRIDGE Date: 15-MAY-2002
File Name: _____ Description Name: _____
Party Chief: _____ GDAC Control Pt # 5B (4NR1)

(UPSTREAM)

☑ Photo Taken

E — SCALE: 1"=40'

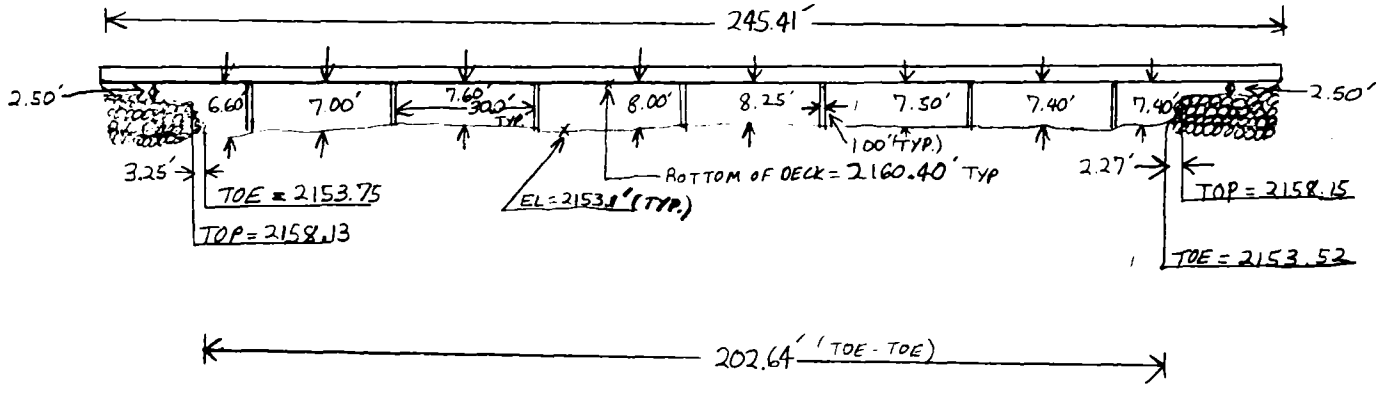


General Condition of Structure GOOD; THERE IS SLIGHT SCORING ALONG THE CONCRETE PIERS. PROBABLY DUE TO AGE AND EROSION. THE BRASS CAP FOUND IN THE S.E. CORNER IS STAMPED "1951".

(DOWNSTREAM)

☑ Photo Taken

W — SCALE: 1"=40'



General Condition of Structure THE BRIDGE IS IN GREAT SHAPE FOR BEING 50+ YEARS OLD.

	FCD CONTRACT2001CO51 - AGUILA			
STRUCTURE AND CROSS SECTION DATA - US60 BRIDGE				
1031	1071879.641	314101.21	2162.428	ABUT
1032	1071879.713	314101.554	2162.412	ABUT
1033	1071881.53	314100.851	2162.470	ABUT
1034	1071881.191	314101.27	2162.462	ABUT
1035	1071881.988	314101.222	2162.480	ABUT
1036	1071883.131	314104.262	2162.446	ABUT
1037	1071884.105	314108.154	2162.457	ABUT
1038	1071882.983	314108.435	2162.433	ABUT
1039	1071882.351	314108.729	2162.428	ABUT
1113	1071938.454	314336.179	2162.400	ABUT
1114	1071938.388	314335.868	2162.393	ABUT
1115	1071939.777	314335.462	2162.464	ABUT
1116	1071940.149	314335.686	2162.451	ABUT
1117	1071940.488	314335.166	2162.410	ABUT
1118	1071940.437	314333.312	2162.450	ABUT
1119	1071939.727	314330.093	2162.408	ABUT
1120	1071939.195	314327.885	2162.422	ABUT
1121	1071938.012	314328.157	2162.412	ABUT
1169	1071982.957	314324.972	2162.489	ABUT
1170	1071982.894	314324.684	2162.517	ABUT
1171	1071981.568	314325.381	2162.493	ABUT
1172	1071981.427	314325.022	2162.510	ABUT
1173	1071980.92	314325.393	2162.519	ABUT
1174	1071980.604	314325.066	2162.523	ABUT
1175	1071979.074	314320.253	2162.488	ABUT
1187	1071979.596	314317.684	2162.515	ABUT
1248	1071924.226	314090.325	2162.520	ABUT
1249	1071924.131	314090.004	2162.509	ABUT
1250	1071922.836	314090.712	2162.507	ABUT
1251	1071922.453	314090.508	2162.502	ABUT
1252	1071922.127	314091.035	2162.518	ABUT
1253	1071922.526	314094.333	2162.529	ABUT
1254	1071925.371	314097.898	2162.493	ABUT
1255	1071923.51	314098.262	2162.534	ABUT
1049	1071882.371	314108.728	2162.431	ABUT COR.
1122	1071937.328	314328.258	2162.435	ABUT COR.
1176	1071980.337	314317.465	2162.491	ABUT COR.
1040	1071879.754	314101.695	2164.302	ABUT WALL
1041	1071881.083	314101.304	2164.311	ABUT WALL
1042	1071881.913	314104.596	2164.308	ABUT WALL
1043	1071880.558	314104.977	2164.345	ABUT WALL
1044	1071880.6	314105.054	2164.927	ABUT WALL
1045	1071881.927	314104.767	2164.932	ABUT WALL
1046	1071881.527	314108.796	2164.921	ABUT WALL
1047	1071882.825	314108.435	2164.934	ABUT WALL
1123	1071939.675	314335.384	2164.320	ABUT WALL
1124	1071938.37	314335.731	2164.293	ABUT WALL
1125	1071938.906	314332.066	2164.340	ABUT WALL
1126	1071937.486	314332.38	2164.320	ABUT WALL

1127	1071937.45	314332.275	2164.929	ABUT WALL
1128	1071938.852	314331.977	2164.942	ABUT WALL
1129	1071936.585	314328.563	2164.976	ABUT WALL
1130	1071937.923	314328.223	2164.936	ABUT WALL
1177	1071982.826	314324.551	2164.336	ABUT WALL
1178	1071981.483	314324.902	2164.361	ABUT WALL
1179	1071980.608	314321.617	2164.386	ABUT WALL
1180	1071982.032	314321.264	2164.422	ABUT WALL
1181	1071981.995	314321.141	2165.001	ABUT WALL
1182	1071980.628	314321.523	2164.988	ABUT WALL
1183	1071979.732	314317.757	2164.989	ABUT WALL
1184	1071981.045	314317.432	2164.991	ABUT WALL
1256	1071922.897	314090.795	2164.367	ABUT WALL
1257	1071924.251	314090.457	2164.342	ABUT WALL
1258	1071925.117	314093.751	2164.366	ABUT WALL
1259	1071923.733	314094.138	2164.356	ABUT WALL
1260	1071923.758	314094.262	2164.997	ABUT WALL
1261	1071924.347	314093.75	2165.001	ABUT WALL
1262	1071925.087	314093.878	2165.020	ABUT WALL
1263	1071926.032	314097.553	2165.000	ABUT WALL
1264	1071924.757	314097.953	2165.005	ABUT WALL
1132	1071939.982	314334.582	2162.441	ADOT BC
1001	1071858.362	314007.793	2161.719	BC
1003	1071860.375	314015.561	2161.703	BC
1005	1071859.299	314019.108	2161.436	BC
1007	1071857.202	314020.505	2160.977	BC
1009	1071842.027	314023.92	2156.776	BC
1012	1071842.954	314029.134	2156.782	BC
1013	1071858.505	314025.644	2160.898	BC
1015	1071861.307	314025.791	2161.480	BC
1017	1071863.735	314028.347	2161.743	BC
1027	1071880.784	314097.016	2161.831	BC
1133	1071940.053	314336.131	2161.763	BC
1136	1071941.738	314338.932	2161.711	BC
1149	1071960.795	314415.831	2161.917	BC
1151	1072001.738	314408.242	2161.593	BC
1165	1071981.27	314327.826	2161.847	BC
1266	1071922.555	314089.983	2161.786	BC
1268	1071920.652	314085.895	2161.789	BC
1282	1071903.645	314017.528	2161.741	BC
1284	1071904.126	314014.623	2161.678	BC
1286	1071905.537	314013.966	2161.450	BC
1288	1071924.444	314007.747	2156.084	BC
1291	1071923.315	314003.078	2155.821	BC
1292	1071903.814	314008.433	2161.481	BC
1294	1071901.975	314007.727	2161.539	BC
1296	1071900.787	314005.792	2161.758	BC
1298	1071898.932	313998.528	2161.759	BC
1303	1071883.77	314022.797	2161.787	CL US 60
1304	1071888.379	314040.748	2161.799	CL US 60
1305	1071892.686	314058.128	2161.769	CL US 60

1306	1071897.832	314079.852	2161.815	CL US 60
1307	1071902.52	314101.025	2161.840	CL US 60
1308	1071908.29	314122.815	2161.959	CL US 60
1309	1071911.734	314135.639	2161.979	CL US 60
1310	1071914.237	314145.183	2161.982	CL US 60
1311	1071916.759	314154.225	2161.997	CL US 60
1312	1071918.791	314163.332	2162.004	CL US 60
1313	1071921.37	314173.37	2161.931	CL US 60
1314	1071926.459	314193.028	2161.911	CL US 60
1315	1071928.621	314202.967	2161.925	CL US 60
1316	1071930.828	314212.645	2161.887	CL US 60
1318	1071936.402	314233.455	2161.890	CL US 60
1319	1071938.486	314242.414	2161.891	CL US 60
1320	1071940.995	314252.344	2161.878	CL US 60
1321	1071943.447	314261.556	2161.868	CL US 60
1322	1071945.751	314271.581	2161.887	CL US 60
1323	1071947.935	314280.053	2161.875	CL US 60
1324	1071950.571	314290.408	2161.859	CL US 60
1325	1071954.592	314305.494	2161.899	CL US 60
1326	1071959.19	314325.389	2161.843	CL US 60
1327	1071964.253	314344.178	2161.789	CL US 60
1328	1071970.561	314370.723	2161.707	CL US 60
1329	1071976.63	314394.866	2161.709	CL US 60
1330	1071980.592	314409.28	2161.719	CL US 60
1051	1071883.419	314104.126	2161.533	EP
1052	1071889.751	314129.359	2161.530	EP
1055	1071892.468	314140.27	2161.560	EP
1058	1071895.059	314150.491	2161.535	EP
1061	1071897.46	314160.186	2161.542	EP
1064	1071899.914	314169.948	2161.529	EP
1067	1071902.327	314179.57	2161.502	EP
1070	1071904.678	314189.098	2161.507	EP
1073	1071907.114	314198.702	2161.502	EP
1076	1071909.623	314208.641	2161.505	EP
1079	1071911.925	314218.002	2161.467	EP
1083	1071914.479	314228.023	2161.435	EP
1086	1071917.031	314238.095	2161.446	EP
1089	1071919.403	314247.65	2161.454	EP
1092	1071921.87	314257.5	2161.501	EP
1095	1071924.221	314266.905	2161.500	EP
1098	1071926.537	314276.142	2161.505	EP
1101	1071929.041	314286.208	2161.514	EP
1104	1071931.465	314295.896	2161.571	EP
1107	1071934.907	314309.497	2161.544	EP
1110	1071940.042	314330.182	2161.446	EP
1112	1071940.75	314333.329	2161.405	EP
1139	1071944.669	314348.545	2161.476	EP
1142	1071951.328	314375.263	2161.611	EP
1146	1071957.349	314399.216	2161.565	EP
1147	1071957.588	314406.797	2161.333	EP
1148	1071960.95	314413.795	2161.497	EP

1153	1072000.168	314404.849	2161.442	EP
1155	1071996.55	314390.487	2161.520	EP
1159	1071990.354	314365.766	2161.542	EP
1162	1071983.668	314338.839	2161.597	EP
1186	1071978.862	314320.494	2161.609	EP
1188	1071976.782	314312.128	2161.612	EP
1189	1071976.985	314311.955	2162.459	EP
1191	1071973.95	314300.799	2161.621	EP
1194	1071969.939	314284.847	2161.553	EP
1197	1071967.408	314274.726	2161.579	EP
1200	1071965.306	314266.263	2161.569	EP
1203	1071962.761	314256.007	2161.575	EP
1206	1071960.445	314246.705	2161.599	EP
1209	1071957.98	314237.048	2161.549	EP
1212	1071955.792	314228.271	2161.547	EP
1217	1071950.778	314208.137	2161.620	EP
1220	1071948.26	314198.216	2161.622	EP
1223	1071945.803	314188.396	2161.619	EP
1226	1071943.441	314179.003	2161.566	EP
1229	1071940.916	314168.722	2161.548	EP
1232	1071938.331	314158.472	2161.610	EP
1235	1071936.149	314149.735	2161.613	EP
1238	1071933.647	314139.829	2161.585	EP
1241	1071931.214	314130.217	2161.589	EP
1244	1071927.95	314117.078	2161.652	EP
1247	1071923.194	314098.328	2161.599	EP
1278	1071916.831	314072.423	2161.491	EP
1279	1071912.086	314053.205	2161.486	EP
1280	1071907.233	314033.998	2161.462	EP
1281	1071903	314017.64	2161.443	EP
1002	1071858.813	314007.691	2161.723	FC
1004	1071860.773	314015.51	2161.693	FC
1006	1071860.483	314019.677	2161.105	FC
1008	1071857.842	314021.573	2160.586	FC
1010	1071842.236	314024.796	2156.396	FC
1011	1071842.893	314028.459	2156.411	FC
1014	1071858.305	314024.735	2160.503	FC
1016	1071861.919	314024.996	2161.155	FC
1018	1071864.088	314028.241	2161.706	FC
1028	1071881.376	314096.926	2161.850	FC
1029	1071880.766	314100.481	2161.703	FC
1030	1071881.309	314100.372	2161.775	FC
1053	1071889.463	314129.457	2162.437	FC
1056	1071892.239	314140.297	2162.412	FC
1059	1071894.811	314150.646	2162.421	FC
1062	1071897.213	314160.234	2162.436	FC
1065	1071899.702	314170.102	2162.399	FC
1068	1071902.131	314179.805	2162.404	FC
1071	1071904.486	314189.262	2162.373	FC
1074	1071906.878	314198.855	2162.361	FC
1077	1071909.419	314208.765	2162.378	FC

1080	1071911.722	314218.119	2162.377	FC
1082	1071912.94	314223.057	2162.328	FC
1084	1071914.222	314228.07	2162.318	FC
1087	1071916.768	314238.154	2162.323	FC
1090	1071919.139	314247.669	2162.351	FC
1093	1071921.594	314257.546	2162.353	FC
1096	1071923.989	314267.007	2162.347	FC
1099	1071926.345	314276.327	2162.380	FC
1102	1071928.798	314286.371	2162.402	FC
1105	1071931.204	314295.884	2162.365	FC
1108	1071934.64	314309.612	2162.403	FC
1111	1071939.767	314330.088	2162.391	FC
1134	1071940.467	314335.933	2161.788	FC
1135	1071942.064	314338.857	2161.735	FC
1150	1071961.259	314415.743	2161.914	FC
1152	1072001.226	314408.269	2161.710	FC
1166	1071980.942	314327.827	2161.851	FC
1167	1071981.843	314325.956	2161.697	FC
1168	1071981.368	314326.113	2161.741	FC
1192	1071974.132	314300.546	2162.482	FC
1195	1071970.127	314284.606	2162.425	FC
1198	1071967.638	314274.483	2162.422	FC
1201	1071965.529	314266.16	2162.441	FC
1204	1071962.935	314255.806	2162.386	FC
1207	1071960.61	314246.504	2162.398	FC
1210	1071958.188	314236.836	2162.363	FC
1213	1071955.994	314228.02	2162.345	FC
1216	1071952.212	314212.929	2162.334	FC
1218	1071950.991	314208.1	2162.353	FC
1221	1071948.514	314198.101	2162.387	FC
1224	1071946.05	314188.315	2162.416	FC
1227	1071943.693	314178.921	2162.430	FC
1230	1071941.094	314168.578	2162.401	FC
1233	1071938.549	314158.455	2162.433	FC
1236	1071936.353	314149.714	2162.447	FC
1239	1071933.876	314139.778	2162.430	FC
1242	1071931.418	314130.027	2162.442	FC
1245	1071928.125	314116.949	2162.524	FC
1267	1071922.125	314090.202	2161.751	FC
1269	1071920.154	314085.856	2161.766	FC
1283	1071903.193	314017.629	2161.592	FC
1285	1071903.547	314014.09	2161.218	FC
1287	1071904.975	314012.974	2161.031	FC
1289	1071924.299	314007.178	2155.678	FC
1290	1071923.463	314003.847	2155.662	FC
1293	1071904.031	314009.502	2161.054	FC
1295	1071901.4	314008.481	2161.375	FC
1297	1071900.266	314006.025	2161.589	FC
1299	1071898.515	313998.654	2161.720	FC
1300	1071868.707	314045.962	2161.566	FC
1301	1071873.043	314063.303	2161.519	FC

HWY60-up1.JPG

HWY60-up2.JPG

Hwy 60 - DN 1. JPG

HW460-DN2.JPG

1302	1071878.67	314085.651	2161.503	FC
1270	1071921.909	314086.856	2161.503	GR POLE
1271	1071919.664	314077.272	2161.472	GR POLE
1272	1071917.015	314067.53	2161.521	GR POLE
1273	1071914.685	314057.832	2161.536	GR POLE
1274	1071912.323	314048.194	2161.398	GR POLE
1275	1071909.828	314038.47	2161.374	GR POLE
1276	1071907.446	314028.667	2161.333	GR POLE
1277	1071904.947	314019.006	2161.328	GR POLE
1019	1071862.834	314029.817	2161.317	GR POST
1020	1071865.387	314039.543	2161.347	GR POST
1021	1071867.889	314049.155	2161.366	GR POST
1022	1071870.202	314059.038	2161.438	GR POST
1023	1071872.542	314068.648	2161.407	GR POST
1024	1071875	314078.37	2161.401	GR POST
1025	1071877.617	314088.034	2161.492	GR POST
1026	1071880.113	314097.601	2161.344	GR POST
1137	1071940.577	314338.965	2161.416	GR POST
1138	1071943.153	314348.76	2161.423	GR POST
1140	1071945.614	314358.329	2161.523	GR POST
1141	1071948.062	314368.068	2161.505	GR POST
1143	1071950.309	314377.77	2161.530	GR POST
1144	1071952.82	314387.557	2161.524	GR POST
1145	1071955.235	314397.186	2161.371	GR POST
1154	1071999.549	314395.999	2161.344	GR POST
1156	1071997.104	314386.403	2161.390	GR POST
1157	1071994.489	314376.688	2161.422	GR POST
1158	1071992.138	314366.994	2161.406	GR POST
1160	1071989.743	314357.307	2161.398	GR POST
1161	1071987.256	314347.658	2161.317	GR POST
1163	1071984.959	314337.918	2161.392	GR POST
1164	1071982.343	314328.269	2161.385	GR POST
1048	1071882.899	314109.2	2164.925	HANDRAIL
1131	1071937.57	314327.619	2164.931	HANDRAIL
1185	1071979.757	314317.039	2164.970	HANDRAIL
1265	1071925.067	314098.577	2164.986	HANDRAIL
99	1071989.103	314334.625	2161.240	MCFCD
1332	1071929.35	314109.248	2153.436	NG
1333	1071932.496	314119.842	2153.281	NG
1334	1071935.429	314134.754	2153.562	NG
1335	1071939.089	314149.15	2153.209	NG
1336	1071942.797	314163.867	2152.674	NG
1338	1071950.384	314193.042	2152.234	NG
1340	1071958.075	314222.092	2151.759	NG
1342	1071964.716	314251.094	2153.208	NG
1344	1071971.828	314279.862	2153.810	NG
1346	1071978.576	314306.137	2153.725	NG
1347	1071933.836	314317.613	2153.836	NG
1349	1071927.022	314291.553	2153.820	NG
1351	1071919.98	314262.285	2152.818	NG
1353	1071912.419	314233.611	2152.125	NG

1355	1071905.333	314205.47	2152.200	NG
1357	1071897.838	314174.699	2152.862	NG
1359	1071890.193	314145.519	2152.983	NG
1361	1071885.661	314125.491	2153.164	NG
1430	1071937.349	314111.935	2153.403	NG
1337	1071946.674	314178.159	2152.751	NG PIER
1339	1071953.898	314206.97	2151.872	NG PIER
1341	1071961.26	314236.936	2152.992	NG PIER
1345	1071975.824	314295.754	2153.904	NG PIER
1350	1071923.629	314276.712	2153.762	NG PIER
1352	1071916.187	314247.574	2152.317	NG PIER
1354	1071908.875	314218.762	2152.058	NG PIER
1356	1071901.699	314189.465	2152.906	NG PIER
1358	1071894.282	314160.387	2153.820	NG PIER
1360	1071886.756	314131.73	2153.621	NG PIER
1343	1071968.505	314265.921	2153.638	NGPIER
1348	1071930.848	314306.283	2153.819	NGPIER
1362	1071884.175	314117.413	2158.401	RIPRAP
1363	1071882.994	314112.539	2158.392	RIPRAP
1364	1071926.67	314101.535	2158.399	RIPRAP
1365	1071927.986	314106.942	2158.395	RIPRAP
1366	1071978.504	314308.572	2158.351	RIPRAP
1367	1071979.612	314313.15	2158.335	RIPRAP
1368	1071936.146	314324.906	2158.368	RIPRAP
1369	1071934.891	314319.492	2158.400	RIPRAP
1215	1071951.983	314213.119	2161.367	SPAN JOINT
1317	1071932.167	314218.332	2161.905	SPAN JOINT
1081	1071913.217	314222.857	2161.313	SPANJOINT
1050	1071887.385	314118.85	2161.421	WEEPHOLE
1054	1071891.559	314135.395	2161.372	WEEPHOLE
1057	1071894.018	314145.137	2161.435	WEEPHOLE
1060	1071896.456	314154.833	2161.398	WEEPHOLE
1063	1071898.832	314164.599	2161.376	WEEPHOLE
1066	1071901.303	314174.288	2161.372	WEEPHOLE
1069	1071903.794	314183.944	2161.358	WEEPHOLE
1072	1071906.154	314193.661	2161.347	WEEPHOLE
1075	1071908.622	314203.358	2161.374	WEEPHOLE
1078	1071910.947	314213.056	2161.326	WEEPHOLE
1085	1071915.868	314232.573	2161.328	WEEPHOLE
1088	1071918.273	314242.221	2161.324	WEEPHOLE
1091	1071920.749	314251.902	2161.332	WEEPHOLE
1094	1071923.182	314261.557	2161.389	WEEPHOLE
1097	1071925.617	314271.263	2161.413	WEEPHOLE
1100	1071928.025	314281.006	2161.393	WEEPHOLE
1103	1071930.484	314290.757	2161.407	WEEPHOLE
1106	1071932.889	314300.436	2161.400	WEEPHOLE
1109	1071937.042	314317.098	2161.371	WEEPHOLE
1190	1071975.289	314307.456	2161.429	WEEPHOLE
1193	1071971.225	314290.788	2161.489	WEEPHOLE
1196	1071968.833	314281.151	2161.478	WEEPHOLE
1199	1071966.362	314271.416	2161.465	WEEPHOLE

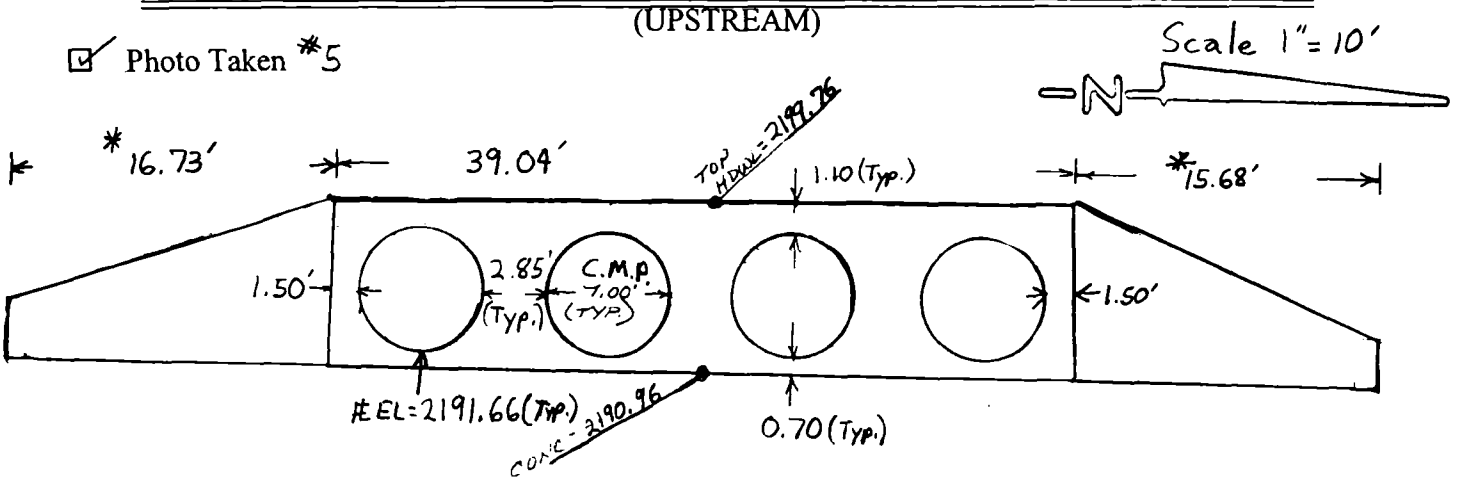
1202	1071963.912	314261.648	2161.407	WEEPHOLE
1205	1071961.483	314251.943	2161.407	WEEPHOLE
1208	1071959.042	314242.238	2161.365	WEEPHOLE
1211	1071956.576	314232.601	2161.335	WEEPHOLE
1214	1071954.194	314222.862	2161.339	WEEPHOLE
1219	1071949.345	314203.449	2161.396	WEEPHOLE
1222	1071946.918	314193.703	2161.393	WEEPHOLE
1225	1071944.468	314184.042	2161.367	WEEPHOLE
1228	1071942.07	314174.315	2161.353	WEEPHOLE
1231	1071939.559	314164.624	2161.394	WEEPHOLE
1234	1071937.168	314154.945	2161.435	WEEPHOLE
1237	1071934.704	314145.193	2161.435	WEEPHOLE
1240	1071932.284	314135.498	2161.468	WEEPHOLE
1243	1071929.866	314125.779	2161.428	WEEPHOLE
1246	1071925.704	314109.153	2161.503	WEEPHOLE

FCDMC Contract 2001C051
Task 1 – Surveying and Mapping at Aguila
WORKSHEET
DTM, INC. Project #21152

Type of Structure: C.M.P. CULVERT Date: 15-MAY-2002
File Name: T5048 0003.JF Description Name: _____
Party Chief: Lance Eveland GDAC Control Pt # 56 (4002)

(UPSTREAM)

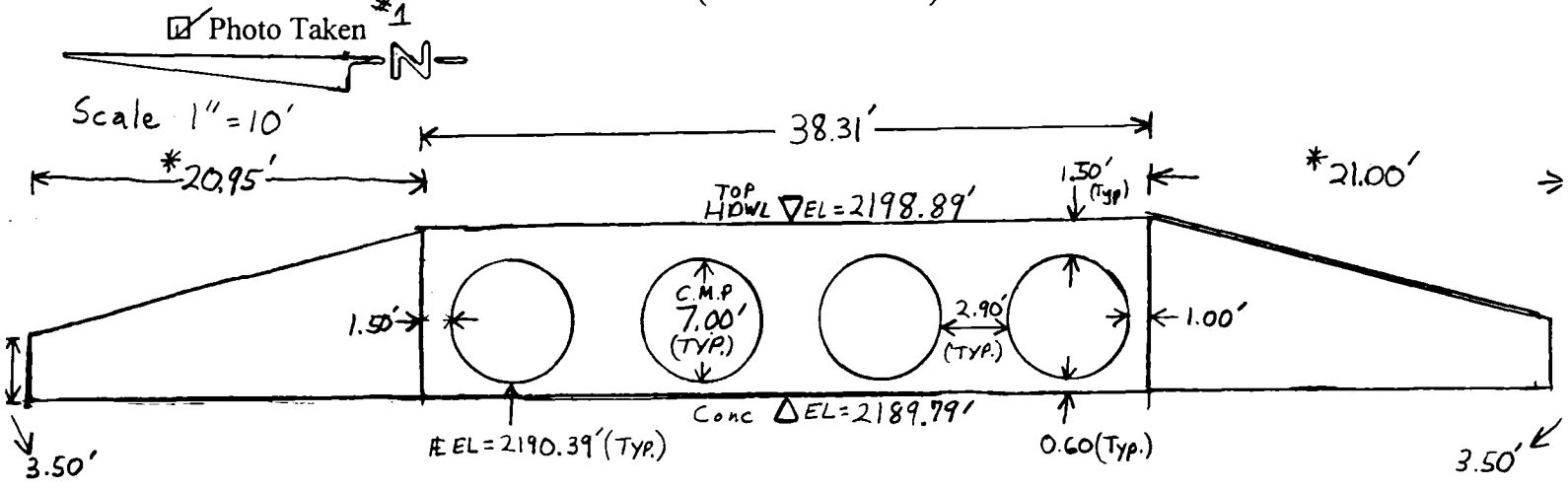
☑ Photo Taken *5



General Condition of Structure PIPE CULVERT IS IN VERY GOOD CONDITION. THE CONCRETE LOOKS TO BE LESS THAN TWO YEARS OLD.

(DOWNSTREAM)

☑ Photo Taken *1



General Condition of Structure THE STRUCTURE IS IN VERY SOUND CONDITION!

*-NOTE: THESE DIMENSIONS ARE HORIZONTAL & LINEAR ALONG THE TOP EDGE OF THE WING WALLS; SEE THE ADDITIONAL PLAN VIEW DRAWING FOR MORE DETAIL

TRI-CORE ENGINEERING

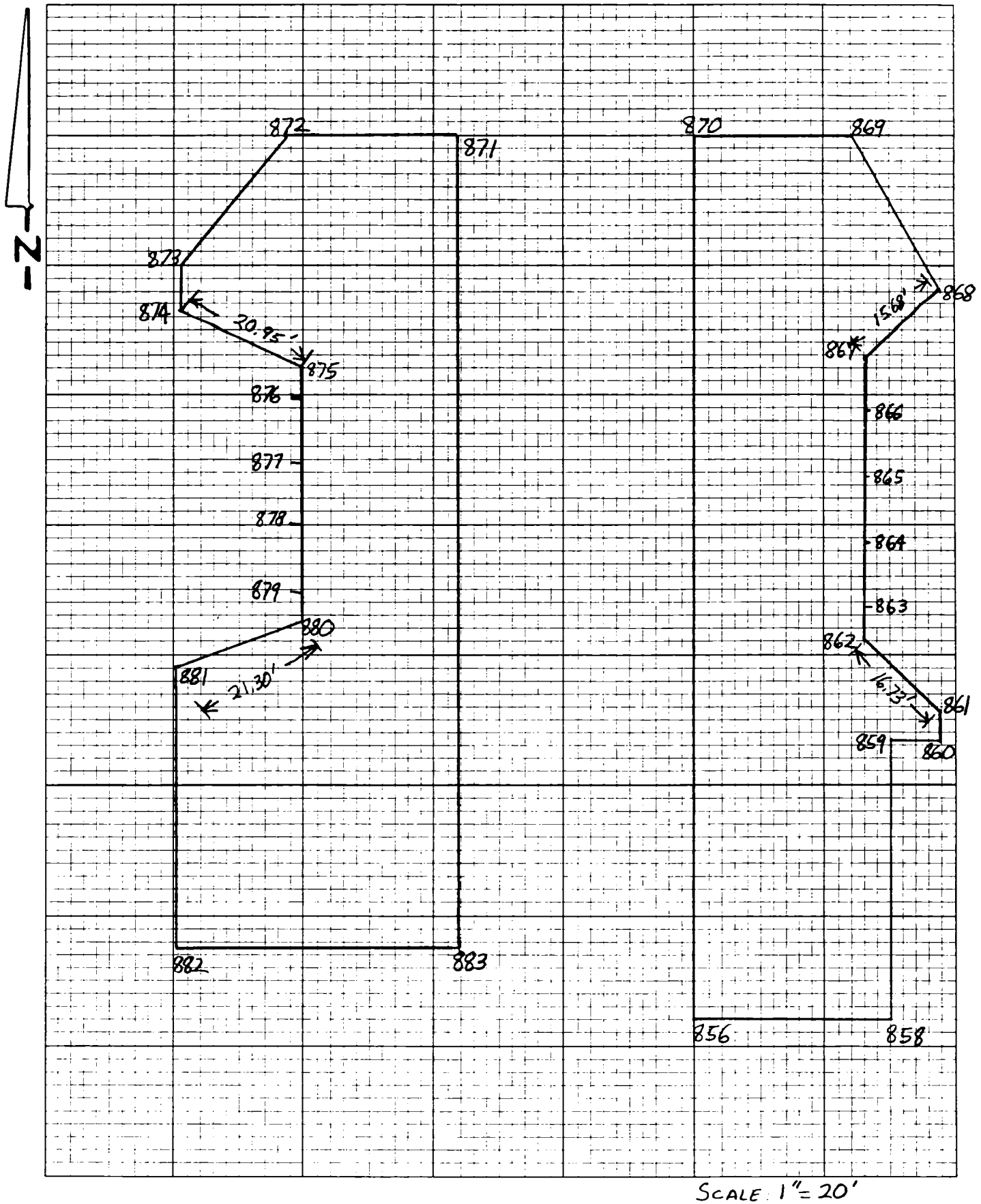
Civil Engineering • Flood Control
Transportation • Water / Wastewater
Land Development • Construction Administration
Surveying • GPS/Conventional

Job No. 5048.0003 Street _____ of _____

Project Aguilla Spillway (PLAN VIEW)

Subject Box Culvert - Az. St. Rte #71

Designed By _____ Date _____ Checked By _____ Date _____



SCALE 1" = 20'

	FCD CONTRACT2001CO51 - AGUILA			
STRUCTURE AND CROSS SECTION DATA - HWY71 CULVERT				
728	1075923.685	328503.909	2198.920	APRON
729	1075911.417	328503.879	2198.870	APRON
732	1075906.634	328503.917	2198.833	APRON
733	1075896.64	328503.847	2198.853	APRON
736	1075886.994	328503.854	2198.852	APRON
737	1075876.537	328503.896	2198.785	APRON
740	1075872.234	328503.933	2198.714	APRON
741	1075871.862	328502.951	2198.789	APRON
742	1075866.505	328504.198	2198.926	APRON
743	1075847.856	328504.307	2198.738	APRON
744	1075835.632	328504.225	2198.663	APRON
745	1075830.566	328503.96	2199.295	APRON
748	1075826.312	328515.109	2201.626	APRON
749	1075829.212	328515.02	2201.248	APRON
750	1075823.477	328524.506	2203.506	APRON
754	1075830.603	328503.979	2199.280	APRON
755	1075835.639	328504.187	2198.637	APRON
756	1075847.897	328504.257	2198.713	APRON
757	1075847.464	328493.531	2196.123	APRON
758	1075841.895	328493.306	2196.032	APRON
759	1075834.728	328493.188	2197.098	APRON
763	1075838.187	328484.294	2195.289	APRON
766	1075847.325	328484.396	2194.030	APRON
767	1075857.017	328484.351	2193.880	APRON
773	1075911.758	328502.736	2198.891	APRON
777	1075927.406	328484.297	2193.922	APRON
778	1075865.713	328484.231	2190.064	APRON
780	1075875.355	328484.097	2189.802	APRON
782	1075883.744	328484.134	2189.815	APRON
784	1075890.907	328484.131	2189.780	APRON
786	1075899.121	328484.132	2189.760	APRON
788	1075903.157	328484.113	2189.713	APRON
790	1075909.008	328484.135	2189.672	APRON
792	1075918.307	328484.177	2189.697	APRON
794	1075910.949	328502.847	2189.951	APRON
799	1075876.334	328502.888	2189.845	APRON
800	1075886.681	328502.85	2189.877	APRON
801	1075896.292	328502.833	2189.860	APRON
802	1075906.355	328502.841	2189.875	APRON
803	1075872.701	328502.922	2189.908	APRON
879	1075824.447	328587.953	2199.717	APRON
880	1075840.312	328588.268	2199.841	APRON
881	1075854.538	328588.423	2199.828	APRON
882	1075861.953	328588.35	2199.819	APRON
883	1075869.994	328588.515	2199.744	APRON
884	1075874.899	328588.241	2199.748	APRON
885	1075884.655	328588.245	2199.800	APRON
886	1075894.496	328588.256	2199.776	APRON
887	1075904.496	328588.231	2199.748	APRON

888	1075908.949	328588.376	2199.708	APRON
889	1075915.06	328588.323	2199.733	APRON
890	1075924.827	328588.311	2199.651	APRON
891	1075934.424	328588.283	2199.633	APRON
892	1075862.044	328577.968	2201.485	APRON
893	1075824.492	328592.652	2198.450	APRON
894	1075840.359	328592.677	2198.517	APRON
895	1075854.551	328592.851	2198.457	APRON
896	1075854.399	328600.241	2196.594	APRON
897	1075858.493	328599.86	2196.542	APRON
898	1075910.128	328589.566	2199.672	APRON
899	1075915.034	328594.479	2198.295	APRON
900	1075920.591	328600.002	2196.701	APRON
923	1075867.637	328600.273	2190.517	APRON
924	1075874.458	328600.259	2190.533	APRON
925	1075884.428	328600.352	2190.501	APRON
926	1075891.303	328600.347	2190.509	APRON
927	1075895.481	328600.31	2190.531	APRON
928	1075900.694	328600.345	2190.558	APRON
929	1075905.558	328600.353	2190.530	APRON
930	1075912.357	328600.189	2190.625	APRON
701	1076005.999	328546.739	2204.516	CL
702	1075952.256	328546.122	2204.438	CL
703	1075899.311	328545.671	2204.235	CL
704	1075848.721	328545.059	2204.370	CL
705	1075797.525	328544.301	2204.260	CL
706	1075745.664	328543.748	2204.127	CL
727	1075946.658	328503.752	2198.885	EDGE APRON
730	1075911.047	328502.906	2198.838	EDGE APRON
731	1075906.576	328502.938	2198.822	EDGE APRON
734	1075896.589	328502.973	2198.857	EDGE APRON
735	1075887.015	328502.968	2198.825	EDGE APRON
738	1075876.584	328502.978	2198.780	EDGE APRON
739	1075872.622	328503.014	2198.769	EDGE APRON
746	1075821.969	328503.922	2202.844	EDGE APRON
747	1075822.034	328515.114	2203.352	EDGE APRON
751	1075822.101	328524.505	2203.827	EDGE APRON
752	1075822.014	328504.156	2202.852	EDGE APRON
753	1075822.004	328504.15	2202.849	EDGE APRON
760	1075822.022	328492.971	2202.345	EDGE APRON
761	1075821.978	328484.298	2201.983	EDGE APRON
762	1075821.945	328483.214	2201.827	EDGE APRON
857	1075809.621	328587.438	2199.755	EDGE APRON
858	1075810.273	328592.357	2198.549	EDGE APRON
859	1075809.981	328593.411	2198.402	EDGE APRON
860	1075824.344	328593.479	2198.433	EDGE APRON
861	1075840.273	328593.516	2198.496	EDGE APRON
862	1075853.357	328593.691	2198.327	EDGE APRON
863	1075853.449	328600.176	2196.649	EDGE APRON
864	1075853.477	328601.108	2196.422	EDGE APRON
865	1075858.016	328601.298	2196.490	EDGE APRON

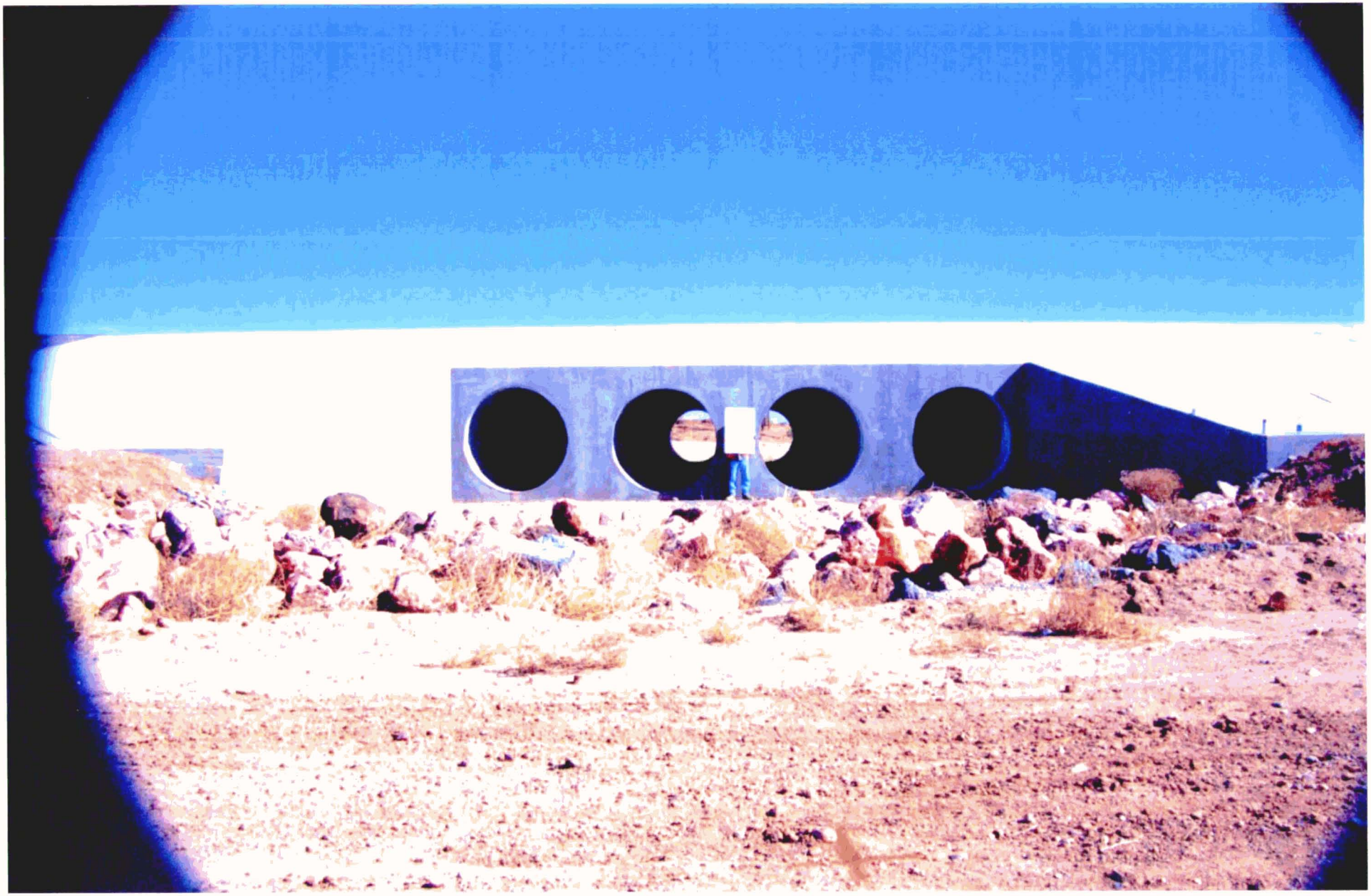
866	1075858.848	328600.379	2196.518	EDGE APRON
867	1075869.931	328589.386	2199.776	EDGE APRON
868	1075874.841	328589.318	2199.800	EDGE APRON
869	1075884.664	328589.307	2199.762	EDGE APRON
870	1075894.456	328589.257	2199.812	EDGE APRON
871	1075904.435	328589.221	2199.772	EDGE APRON
872	1075908.918	328589.263	2199.739	EDGE APRON
873	1075909.54	328589.982	2199.724	EDGE APRON
874	1075915.061	328595.492	2198.196	EDGE APRON
875	1075920.033	328600.456	2196.659	EDGE APRON
876	1075924.565	328600.527	2196.801	EDGE APRON
877	1075934.558	328594.478	2198.135	EDGE APRON
878	1075944.236	328588.246	2199.589	EDGE APRON
832	1075863.124	328480.373	2193.257	EDGE RIPRAP
833	1075860.86	328472.61	2193.423	EDGE RIPRAP
834	1075857.03	328467.164	2193.646	EDGE RIPRAP
835	1075852.951	328456.281	2192.866	EDGE RIPRAP
836	1075866.957	328453.219	2189.366	EDGE RIPRAP
837	1075891.626	328453.103	2188.999	EDGE RIPRAP
838	1075918.239	328450.338	2188.884	EDGE RIPRAP
839	1075929.702	328458.647	2190.654	EDGE RIPRAP
840	1075927.98	328466.484	2192.016	EDGE RIPRAP
841	1075925.135	328472.741	2192.739	EDGE RIPRAP
842	1075921.354	328480.405	2193.039	EDGE RIPRAP
902	1075931.754	328616.61	2195.155	EDGE RIPRAP
903	1075921.477	328620.572	2194.618	EDGE RIPRAP
707	1075746.414	328526.33	2203.812	EP
708	1075798.138	328526.584	2203.884	EP
709	1075849.057	328527.307	2203.881	EP
710	1075899.279	328528.05	2203.845	EP
711	1075952.267	328529.298	2203.862	EP
712	1076007.639	328529.196	2204.145	EP
713	1076005.595	328560.341	2204.267	EP
714	1075950.871	328560.125	2204.217	EP
715	1075897.865	328563.749	2204.062	EP
716	1075848.653	328563.316	2203.985	EP
717	1075795.766	328558.164	2204.050	EP
718	1075745.166	328557.035	2204.090	EP
795	1075906.542	328502.54	2190.437	FL
796	1075896.605	328502.873	2190.312	FL
797	1075887.002	328502.883	2190.318	FL
798	1075876.626	328502.918	2190.281	FL
906	1075883.391	328621.381	2191.198	FL
909	1075874.918	328589.364	2191.334	FL
910	1075884.716	328589.359	2191.378	FL
911	1075894.504	328589.305	2191.313	FL
912	1075904.442	328589.243	2191.291	FL
913	1075908.961	328589.289	2190.600	FL
914	1075904.757	328589.312	2190.588	FL
915	1075894.684	328589.352	2190.599	FL
916	1075884.952	328589.399	2190.530	FL

917	1075875.116	328589.416	2190.550	FL
918	1075870.025	328589.487	2190.496	FL
779	1075865.716	328484.088	2189.952	NG
781	1075875.433	328483.905	2187.338	NG
783	1075883.884	328483.94	2187.255	NG
785	1075890.918	328483.965	2187.493	NG
787	1075899.086	328483.933	2187.812	NG
789	1075903.137	328483.946	2187.655	NG
791	1075909.053	328483.962	2188.148	NG
793	1075918.335	328484.033	2189.605	NG
807	1076007.781	328470.533	2195.560	NG
808	1076008.383	328448.464	2196.233	NG
810	1075983.931	328458.724	2194.299	NG
811	1075954.639	328479.857	2194.561	NG
812	1075955.456	328457.292	2192.470	NG
813	1075956.255	328439.207	2191.925	NG
814	1075946.089	328423.667	2190.444	NG
815	1075946.363	328438.153	2190.879	NG
816	1075945.684	328457.026	2191.758	NG
817	1075946.518	328478.779	2194.181	NG
818	1075931.396	328438.021	2189.335	NG
819	1075932.166	328422.453	2188.652	NG
820	1075917.805	328419.721	2187.344	NG
821	1075916.547	328436.944	2188.392	NG
824	1075881.122	328416.026	2188.699	NG
825	1075867.549	328413.618	2190.681	NG
826	1075865.925	328434.742	2190.620	NG
827	1075847.376	328434.914	2193.350	NG
828	1075832.148	328456.771	2195.727	NG
829	1075828.39	328434.842	2197.502	NG
919	1075858.545	328601.591	2193.179	RIPRAP
920	1075859.05	328601.156	2192.530	RIPRAP
921	1075860.224	328600.605	2191.700	RIPRAP
922	1075862.158	328600.606	2191.199	RIPRAP
931	1075915.537	328600.951	2191.428	RIPRAP
932	1075917.039	328600.566	2192.049	RIPRAP
933	1075918.129	328600.55	2193.425	RIPRAP
934	1075919.874	328600.499	2194.284	RIPRAP
901	1076004.929	328584.519	2198.090	TOE
764	1075838.547	328483.201	2195.169	TOE APRON
765	1075847.311	328483.313	2193.926	TOE APRON
768	1075856.988	328483.266	2193.813	TOE APRON
769	1075864.108	328483.3	2193.726	TOE APRON
770	1075864.854	328483.342	2193.724	TOE APRON
774	1075918.826	328483.368	2193.669	TOE APRON
775	1075919.661	328483.329	2193.679	TOE APRON
776	1075927.758	328483.448	2193.804	TOE APRON
804	1075954.19	328504.213	2199.003	TOE ASPHALT
805	1075980.895	328504.227	2199.340	TOE ASPHALT
806	1076007.014	328503.855	2199.199	TOE ASPHALT
822	1075893.392	328435.302	2188.342	TOE NG

823	1075895.923	328418.023	2187.640	TOE NG
905	1075903.465	328621.318	2191.851	TOE NG
907	1075859.898	328621.537	2192.439	TOE NG
719	1075822.043	328526.585	2204.048	TOP APRON
720	1075847.75	328527.088	2203.982	TOP APRON
721	1075875.755	328527.563	2203.987	TOP APRON
722	1075886.664	328527.692	2203.977	TOP APRON
723	1075896.21	328527.8	2203.957	TOP APRON
724	1075906.393	328527.905	2203.890	TOP APRON
725	1075923.21	328528.074	2203.849	TOP APRON
726	1075946.898	328528.336	2203.749	TOP APRON
771	1075837.165	328526.958	2203.988	TOP APRON
772	1075865.789	328527.429	2203.964	TOP APRON
843	1075944.593	328564.475	2204.264	TOP APRON
844	1075934.787	328564.285	2204.209	TOP APRON
845	1075924.846	328564.218	2204.181	TOP APRON
846	1075914.975	328564.049	2204.137	TOP APRON
847	1075905.403	328563.983	2204.196	TOP APRON
848	1075894.898	328563.907	2204.164	TOP APRON
849	1075885.22	328563.782	2204.120	TOP APRON
850	1075875.089	328563.624	2204.100	TOP APRON
851	1075870.351	328563.621	2204.117	TOP APRON
852	1075862.159	328563.553	2204.079	TOP APRON
853	1075854.779	328563.471	2204.047	TOP APRON
854	1075840.838	328563.311	2204.029	TOP APRON
855	1075824.194	328563.199	2204.023	TOP APRON
856	1075809.966	328563.124	2204.012	TOP APRON
809	1075985.053	328441.593	2195.617	TOP NG
830	1075817.249	328435.149	2202.212	TOP NG
831	1075819.629	328457.474	2202.329	TOP NG
904	1075918.674	328621.018	2194.176	TOP NG
908	1075852.092	328620.556	2194.731	TOP NG

Hwy 70-up1.JPG

Hwy 71 - up2. VPG



Hwy 71 - DN 1. JPG

HWY 71 - DN 2. JPG