

PROJECT: LIMESTONE COUNTY, AL. MAPPING AND NEW CONCRETE
 SURVEY MONUMENT COORDINATES

HORIZONTAL DATUM: NAD 83
 VERTICAL DATUM: NAVD 88
 REFERENCE ELLIPSOID: GRS 1980
 GEODETIC COORDINATES IN: DD MM SS.SSSSS
 ORTHOMETRIC HEIGHTS IN: U.S.SURVEY FEET

POINT ID	LATITUDE	LONGITUDE	ORTHO.HGT
1	35 1 14.972611 N	86 47 10.677361 W	937.91961
2	34 58 38.105983 N	86 46 57.812348 W	874.61702
2 AZ	34 58 38.328550 N	86 47 2.025486 W	869.72555
3	34 54 45.840081 N	86 47 1.214592 W	806.67062
4	34 51 9.235081 N	86 47 4.746406 W	742.36389
5	34 47 37.232110 N	86 47 7.539151 W	705.10371
6	34 44 28.920686 N	86 47 9.797158 W	746.26507
6 AZ	34 44 24.592492 N	86 47 9.973664 W	733.03213
7	34 36 18.906066 N	86 47 17.627546 W	623.05018
7 AZ	34 36 17.339549 N	86 47 5.021060 W	593.67755
8	34 34 14.605142 N	86 46 47.644900 W	564.40823
9	34 33 7.315113 N	86 46 46.641498 W	563.31274
10	34 35 26.106527 N	86 49 35.981671 W	583.04634
11	34 34 53.110028 N	86 51 36.956865 W	577.53628
12	34 35 24.652426 N	86 50 40.765788 W	580.17196
13	34 36 22.401083 N	86 53 56.015597 W	562.83006
14	34 44 40.551411 N	86 52 30.907404 W	698.62666
15	34 45 50.387533 N	86 51 38.895836 W	689.56334
15 AZ	34 45 50.986297 N	86 51 44.025371 W	700.30919
16	34 47 18.217356 N	86 51 27.573046 W	722.12755
16 AZ	34 47 18.169164 N	86 51 32.513659 W	727.13425
17	34 49 28.815657 N	86 51 31.705674 W	754.44449
17 AZ	34 49 16.253112 N	86 51 32.857381 W	744.80615
18	34 50 48.175254 N	86 50 25.566189 W	791.53961
19	34 51 31.531787 N	86 49 42.401899 W	811.53366
20	34 53 22.237674 N	86 48 7.881209 W	867.42738
21	34 54 16.026114 N	86 49 10.806103 W	839.81062
21 AZ	34 54 20.809219 N	86 49 10.694407 W	845.26910
22	34 58 38.965907 N	86 50 14.191472 W	895.81227
23	34 59 38.468772 N	86 50 12.971942 W	909.48554
24	35 1 22.010106 N	86 51 27.193063 W	904.75834
25	35 1 30.034723 N	86 52 48.654129 W	643.07549
26	34 59 43.544434 N	86 51 22.540876 W	870.37926
26 AZ	34 59 42.430759 N	86 51 19.424462 W	869.43369
27	34 58 38.418620 N	86 51 24.174155 W	871.61092
28	34 56 1.894010 N	86 51 20.555249 W	851.17267
29	34 52 31.602173 N	86 51 24.031440 W	822.26654

30	34 50	40.450583 N	86 52	33.677297 W	728.02033
31	34 49	50.617758 N	86 53	40.304771 W	690.74347
32	34 49	8.376725 N	86 52	36.381014 W	754.88996
33	34 48	12.671611 N	86 53	41.770417 W	729.75934
34	34 47	24.082540 N	86 52	38.386001 W	712.72567
35	34 46	31.693869 N	86 53	42.235656 W	679.61008
36	34 45	55.342236 N	86 55	49.712969 W	731.76100
37	34 44	45.150991 N	86 53	46.691177 W	656.69289
37 AZ	34 44	41.191375 N	86 53	42.253843 W	658.29416
38	34 43	49.242171 N	86 54	46.576248 W	615.20256
39	34 43	6.187493 N	86 55	19.440095 W	603.50263
40	34 41	18.734665 N	87 0	5.656237 W	568.21149
41	34 40	26.170210 N	87 1	28.451090 W	564.71552
42	34 42	50.511233 N	87 3	26.266836 W	592.76040
43	34 52	35.365214 N	86 55	39.630157 W	789.59589
43 AZ	34 52	35.391001 N	86 55	35.611559 W	791.57303
44	34 55	48.440563 N	86 55	42.315916 W	851.19304
44 AZ	34 55	39.774154 N	86 55	42.343023 W	838.47671
45	35 0	41.142102 N	86 55	40.630780 W	697.31639
46	34 55	17.025766 N	86 59	18.704415 W	817.64495
47	34 55	46.919452 N	87 0	23.842104 W	800.74939
47 AZ	34 55	46.260114 N	87 0	14.088991 W	795.05376
48	34 54	37.162002 N	87 0	19.245822 W	770.44704
48 AZ	34 54	42.191167 N	87 0	19.138590 W	781.01776
49	34 54	22.515772 N	86 59	20.655098 W	672.95329
50	34 47	29.456181 N	87 4	7.704490 W	708.39338
50 AZ	34 47	29.235448 N	87 4	13.674151 W	705.92346
51	34 44	4.129444 N	87 6	28.118737 W	626.96822
52	34 43	12.646845 N	87 7	15.782417 W	586.00406
53	34 45	19.880021 N	87 9	8.707285 W	630.61135
53 AZ	34 45	19.524206 N	87 9	3.620370 W	635.96422
54	34 46	6.164872 N	87 8	33.323350 W	644.17077
54 AZ	34 46	2.156182 N	87 8	27.070079 W	641.03969
55	34 51	39.316342 N	87 4	5.447617 W	745.00656
55 AZ	34 51	39.957207 N	87 4	14.804842 W	733.42623
56	34 56	13.748174 N	87 4	13.348194 W	811.60129
56 AZ	34 56	23.826058 N	87 4	26.083894 W	808.78590
57	35 0	7.033202 N	87 3	34.294020 W	634.70633
58	35 0	26.977295 N	87 8	15.990148 W	856.70065
59	34 55	42.767970 N	87 8	25.748129 W	769.55579
60	34 50	53.062375 N	87 8	29.730197 W	697.41592
60 AZ	34 50	52.652883 N	87 8	26.815981 W	704.18634
61	34 47	35.748188 N	87 10	57.194793 W	680.89467
61 AZ	34 47	39.144219 N	87 10	57.159067 W	683.17174
62	34 46	24.394020 N	87 11	44.407409 W	603.47983
63	34 47	19.320974 N	87 13	41.777563 W	594.06849
63 AZ	34 47	34.766577 N	87 13	42.000969 W	596.34738
64	34 49	45.726025 N	87 12	53.563204 W	684.46533
65	34 51	40.016883 N	87 12	50.565077 W	719.60889

66	34 55	36.429538 N	87 12	42.535971 W	789.95323
66 AZ	34 55	42.687395 N	87 12	42.343699 W	789.44545
67	35 0	10.872244 N	87 12	28.762590 W	731.37649
68	35 0	33.806788 N	87 14	2.837769 W	812.90265
69	34 58	2.421488 N	87 14	48.369646 W	834.05392
69 AZ	34 58	9.662349 N	87 14	47.916254 W	848.10947
70	34 55	1.301392 N	87 14	57.920680 W	805.14694
71	34 51	2.551478 N	87 14	58.979261 W	697.78501
71 AZ	34 51	7.258604 N	87 14	58.802140 W	679.82183
72	34 47	33.625007 N	87 16	23.309751 W	632.35030
73	34 46	37.050496 N	87 15	55.674197 W	599.98061
130(42 11)	34 41	35.613873 N	87 4	21.134120 W	566.93019
141(42 21)	34 46	47.295553 N	86 49	25.134390 W	710.09143
144(42 24)	34 52	1.741723 N	86 50	23.605930 W	815.84107
164	34 35	9.837934 N	86 52	51.288650 W	560.47352
170	34 42	2.095902 N	87 6	51.897133 W	593.54456
176(A-53)	34 59	38.593128 N	86 59	20.473034 W	659.62825
180	34 37	46.749785 N	86 57	3.541304 W	573.96507
181	34 56	10.597418 N	86 58	38.269465 W	778.56599
182	34 40	54.008921 N	86 47	13.388331 W	691.01075
188(42 34)	34 37	40.320823 N	86 54	52.290150 W	585.04174
195	34 39	49.862718 N	86 50	51.313848 W	611.68169
199(K-53A)PID	34 48	10.002779 N	86 58	19.098870 W	718.77760
212	34 42	54.911853 N	86 58	15.808708 W	633.83074
220	34 38	56.993727 N	86 57	0.875571 W	576.12924

EXISTING HORIZONTAL USED TO ESTABLISH NEW
STATION HORIZONTAL COORDINATES

40 12	34 46	1.588963 N	87 21	37.702680 W	579.10839
40 34	34 40	33.831943 N	87 9	19.243090 W	626.65529
42 3	34 59	22.027723 N	87 5	22.352540 W	608.92051
42 6	34 59	40.769663 N	86 59	17.594200 W	658.29496
42 8	34 46	51.351503 N	87 9	37.120300 W	629.70177
42 9	34 46	13.812173 N	87 3	15.956740 W	692.63351
42 11	34 41	35.613873 N	87 4	21.134120 W	566.93019
42 15	34 36	19.112133 N	86 50	17.105700 W	572.76541
42 17	34 40	40.643143 N	86 50	35.515850 W	614.06559
42 20	34 46	21.785033 N	86 57	26.873220 W	685.06666
42 21	34 46	47.295553 N	86 49	25.134390 W	710.09143
42 24	34 52	1.741723 N	86 50	23.605930 W	815.84107
42 25	34 56	10.951793 N	86 50	14.655390 W	862.30989
42 27	34 53	13.626853 N	86 57	56.886350 W	795.16290
42 29	34 52	9.105343 N	87 10	16.086740 W	786.59705
42 31	34 56	41.296933 N	87 9	25.342810 W	588.11291
42 34	34 37	40.320823 N	86 54	52.290150 W	585.04174
45 1	34 35	50.454853 N	86 47	12.513010 W	601.31285

EXISTING HORIZONTAL AND VERTICAL USED

TO ESTABLISH NEW STATION COORDINATES

8900	34 57 44.793273 N	86 44 52.681050 W	895.67098
B-313	34 41 20.590353 N	86 45 51.076830 W	670.40652
S-313	34 38 58.367233 N	86 56 50.866650 W	577.16426

EXISTING VERTICAL USED TO ESTABLISH NEW
STATION ORTHOMETRIC HEIGHT

A-53	34 59 38.593128 N	86 59 20.473034 W	659.62825
A-477	34 37 16.105530 N	86 59 43.257275 W	566.95421
G-477	34 38 5.674473 N	87 6 19.638090 W	575.06551
K-53	34 48 9.352105 N	86 58 18.163117 W	720.04398
K-53A(199)PID	34 48 10.002779 N	86 58 19.098870 W	718.77760
L-53A	34 46 30.706688 N	86 58 16.600689 W	697.87855
WSR-31RA	34 41 40.997544 N	87 2 44.868125 W	562.80111
WSR-49RA	34 33 59.267239 N	86 50 37.957355 W	577.15926