

SURVEY CONTROL SHEET R-2539C

CONTROL DATA

BL	POINT	DESC.	NORTH	EAST	ELEVATION	LMED STATION	OFFSET
1		BL-1	156070.6230	804986.6330	8.121	157+24.459	5.445 LT
2		BL-2	156124.1430	805164.5690	7.956	159+10.274	6.473 LT
3		BL-3	156177.2310	805344.0220	7.784	160+97.415	6.572 LT
4		BL-4	156231.2490	805526.3600	7.891	162+87.580	6.883 LT
5		BL-5	156288.2730	805723.6520	9.264	164+92.945	5.898 LT
6		NCGS *MAIL*	156342.9600	805917.3780	11.493	166+93.717	6.558 LT
7		BL-7	156351.5130	806040.1550	12.563	168+16.193	1.579 RT
8		NCGS *GRANTSBORO*	156364.1620	806176.4150	12.512	169+51.479	12.772 RT
9		BL-9	156421.0540	806357.7780	9.857	171+41.331	9.857
10		BL-10	156489.5010	806537.9190	7.941	173+32.962	7.328 RT
11		BL-11	156581.6030	806723.7820	5.839	175+40.208	5.537 LT
12		NCGS *FIELD*	156641.7270	806929.8210	5.610	177+54.830	4.923 LT
13		GPS R2539C-1	156734.8110	807238.8780	5.107	180+77.596	6.783 LT
14		BL-14	156790.8780	807428.6980	4.635	182+75.523	6.866 LT
15		BL-15	156853.1530	807641.8840	4.371	184+97.561	6.399 LT
16		BL-16	156892.4670	807863.5780	4.675	187+19.922	15.617 LT
17		BL-17	156852.6390	808084.4200	3.940	189+42.592	7.544 LT
18		BL-18	156810.2510	808333.7740	3.817	191+95.400	9.079 LT
19		BL-19	156772.3790	808565.3220	3.489	194+29.991	13.888 LT
20		BL-20	156738.7700	808798.2630	3.515	196+66.727	1.274 RT
21		BL-21	156766.6870	808981.4670	3.355	198+52.051	1.883 RT
22		BL-22	156805.2210	809101.4230	3.394	199+77.961	1.020 RT
23		GPS R2539C-2	156852.1470	809238.2910	3.428	201+22.577	2.159 RT
24		COMPUTED POINT	156878.3536	809304.9835	UNKNOW	201+94.150	3.122 RT
25		BL-24	156916.8460	809402.9420	3.178	202+99.402	6.061 RT
26		BL-25	156982.0200	809553.5930	3.194	204+61.482	14.081 LT
27		BL-26	156976.1850	809718.7420	3.124	206+24.610	6.225 LT
28		BL-27	156968.2360	809864.1290	3.190	207+70.212	6.874 LT
29		COMPUTED POINT	156960.7554	809999.1801	UNKNOW	209+05.470	7.380 LT
30		BL-28	156958.1070	810046.9920	3.064	209+53.354	7.559 LT
31		BL-29	156947.0570	810236.1660	2.938	211+42.851	7.698 LT
32		BL-30	156935.9530	810419.4550	3.255	213+26.476	7.435 LT
33		COMPUTED POINT	156932.2930	810514.4060	UNKNOW	214+21.477	9.388 LT
34		BL-31	156929.8220	810578.5100	3.598	214+85.615	10.706 LT
35		COMPUTED POINT	156914.8236	810781.4423	UNKNOW	216+89.079	7.716 LT
36		BL-32	156913.3190	810801.8000	3.583	217+09.490	7.416 LT
37		NCGS *LIQUOR*	156883.0550	811066.3400	4.050	219+75.355	7.176 RT
38		COMPUTED POINT	156870.8102	811278.7123	8.637	221+88.080	6.861 RT
39		GPS R2539C-3	156863.9940	811396.9310	3.626	223+06.495	6.685 RT
40		BL-35	156844.5980	811573.7570	3.480	224+84.192	15.590 RT
41		BL-36	156834.3620	811783.8850	2.849	226+94.589	12.369 RT
42		BL-37	156823.1580	811966.7710	3.181	228+77.817	11.830 RT
43		BL-38	156814.2600	812157.3180	3.590	230+68.542	8.499 RT
44		COMPUTED POINT	156810.6717	812206.7775	10.525	231+18.130	8.911 RT
45		BL-39	156802.6650	812317.1370	3.532	232+28.776	9.829 RT
46		BL-40	156813.8470	812455.5960	3.475	233+66.234	10.203 LT
47		BL-41	156802.0700	812632.4820	3.346	235+43.511	9.785 LT
48		BL-42	156772.3980	812774.0420	2.835	236+86.681	10.755 RT
49		NCGS *MAIN*	156777.9160	812944.0740	2.305	OUTSIDE PROJECT LIMITS	
50		NCGS *JUNIOR*	156347.6030	813608.7220	1.923	OUTSIDE PROJECT LIMITS	

BY7	POINT	DESC.	NORTH	EAST	ELEVATION	Y7 STATION	OFFSET
54		BY7-54	156944.5420	809270.6070	1.917	10+52.752	6.012 LT
55		COMPUTED POINT	156878.3536	809304.9835	UNKNOW	11+27.336	5.986 LT
56		BY7-55	156870.8570	809308.8770	3.225	11+35.783	5.983 LT
57		BY7-56	156816.2410	809336.1120	1.941	11+96.804	4.957 LT
58		BY8-57	156992.3830	809331.7530	2.761	11+11.085	5.141 LT
59		BL-25	156982.0200	809553.5930	3.194	OUTSIDE PROJECT LIMITS	
60		BY8-58	157036.5310	809587.6990	2.193	10+35.323	4.451 LT
61		BL-25	156982.0200	809553.5930	3.194	10+88.138	32.227 RT
62		BY11-60	157025.5070	810001.1670	2.870	10+27.664	2.725 RT
63		BY11-61	156963.5220	809999.2650	3.136	10+89.669	3.799 RT
64		COMPUTED POINT	156960.7554	809999.1801	UNKNOW	10+92.436	3.847 RT
65		BY14-65	156978.3820	810576.6170	3.655	10+41.085	4.347 LT
66		BL-31	156929.8220	810578.5100	3.598	10+89.647	6.183 LT
67		COMPUTED POINT	156870.8102	811278.7123	8.637	10+08.049	5.739 RT
68		BY16-68	156864.6950	811277.3640	3.895	10+14.309	5.574 RT
69		BY16-69	156815.5860	811266.5360	3.947	10+64.580	4.245 RT
70		BL-35	156844.5980	811573.7570	3.480	10+16.337	10.017 LT
71		BY18-71	156742.8010	811569.5040	3.305	11+18.086	4.741 LT
72		BL-36	156834.3620	811783.8850	2.849	10+09.457	41.277 RT
73		BY19-72	156758.7160	811820.6390	3.040	10+85.361	5.057 RT
74		BL-27	156968.2360	809864.1290	3.190	OUTSIDE PROJECT LIMITS	
75		BY10-59	156906.5920	809877.1460	2.284	10+54.359	4.794 RT
76		BY20-73	156913.4710	812166.5710	3.609	10+07.604	4.106 RT
77		BL-38	156814.2600	812157.3180	3.590	OUTSIDE PROJECT LIMITS	
78		COMPUTED POINT	156810.6717	812206.7775	10.525	10+08.079	5.111 LT
79		BY21-74	156804.8120	812206.6930	3.589	10+14.822	5.391 LT
80		BY21-75	156748.5540	812205.8820	3.313	10+71.509	4.081 LT
81		BY22-76	156869.7180	812461.9260	3.299	10+33.620	4.654 LT
82		BL-40	156813.8470	812455.5960	3.475	10+88.817	6.067 RT
83		BY23-77	156878.8900	812658.3240	3.297	OUTSIDE PROJECT LIMITS	
84		BL-41	156802.0700	812632.4820	3.346	10+60.147	11.689 RT
85		BY23-78	156729.2240	812646.3750	3.349	11+32.060	6.424 LT
86		BY24-79	156908.8660	812791.6810	2.532	OUTSIDE PROJECT LIMITS	
87		BL-42	156772.3980	812774.0420	2.835	OUTSIDE PROJECT LIMITS	
88		BY24-80	156712.8000	812784.3710	2.761	OUTSIDE PROJECT LIMITS	
89		BY24-79	156908.8660	812791.6810	2.532	OUTSIDE PROJECT LIMITS	
90		BL-42	156772.3980	812774.0420	2.835	10+10.521	7.556 RT
91		BY24-80	156712.8000	812784.3710	2.761	10+69.752	4.704 LT

BENCHMARK DATA

BM1 ELEVATION = 8.637
 N 156041 E 805069
 LMED STATION 157+95.46 RIGHT
 RR SPIKE IN BASE 14" PINE

 BM2 ELEVATION = 10.525
 N 156250 E 806745
 LMED STATION 165+03.37 RIGHT
 RR SPIKE IN BASE 12" POPLAR

 BM3 ELEVATION = 13.429
 N 156464 E 806144
 LMED STATION 169+46.92 LEFT
 NAIL IN PP* 50088

 BM4 ELEVATION = 5.633
 N 156584 E 807009
 LMED STATION 178+14.73 RIGHT
 NAIL IN PP* NCR54

 BM5 ELEVATION = 5.048
 N 156928 E 807869
 LMED STATION 187+23.61 LEFT
 RR SPIKE IN BASE 24" PINE

 BM6 ELEVATION = 2.736
 N 156702 E 808798
 LMED STATION 196+66.38 RIGHT
 RR SPIKE IN BASE 24" GUM

 BM7 ELEVATION = 1.726
 N 156784 E 809148
 LMED STATION 200+15.36 RIGHT
 NAIL IN PP

 BM8 ELEVATION = 1.793
 N 156831 E 809896
 LMED STATION 208+10.128 RIGHT
 RR SPIKE OVER CULVERT -Y10-

 BM9 ELEVATION = 3.786
 N 156868 E 810744
 LMED STATION 216+54.41 RIGHT
 RR SPIKE IN BST PARKING LOT

 BM10 ELEVATION = 3.424
 N 156747 E 811617
 LMED STATION 225+34.110 RIGHT
 RR SPIKE IN BST PARKING LOT

DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCDOT FOR MONUMENT "R2539B-6" WITH NAD 83 STATE PLANE GRID COORDINATES OF NORTHING: 155623.380(m) EASTING: 799556.718(m) THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.99987910 THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "R2539B-6" TO -L- STATION 155+43.630 IS N 85°44'48.15 E 5272.478 ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES VERTICAL DATUM USED IS NGVD 29

6/2/99
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