

SURVEY CONTROL SHEET W-5313

PROJECT REFERENCE NO. W-5313	SHEET NO. 1C-6
Location and Surveys	

ROW MARKER CONCRETE OR GRANITE-E				
ALIGN	STATION	OFFSET	NORTH	EAST
L	12+53.06	-28.43	650336.4888	1540296.3554
L	24+24.43	-30.00	649562.1964	1541121.5222
L	25+78.10	-28.85	649494.8089	1541259.6296
L	31+21.39	-30.00	649254.0832	1541748.0380
L	31+48.44	24.44	649193.3207	1541746.2557
L	31+51.11	30.00	649187.1563	1541745.9961
L	36+64.00	-30.00	648998.5127	1542226.6885
L	36+83.83	-50.00	649006.8170	1542253.5980
L	37+43.87	-50.00	648978.5376	1542306.5616
L	37+64.52	-30.00	648951.1664	1542315.3619
L	41+01.47	30.00	648760.5302	1542599.1895
L	41+15.54	50.00	648736.9163	1542606.0783
L	41+76.00	55.00	648712.6519	1542663.2111
L	42+04.47	-30.00	648785.3306	1542715.7646
L	48+98.16	-30.00	648619.0215	1543389.4846
L	50+85.00	-30.00	648551.1720	1543567.0059
L	50+95.00	-42.16	648558.0685	1543581.3094
L	51+54.00	-52.62	648542.9415	1543639.4545
L	51+80.00	-30.00	648511.5460	1543653.6667
L	56+26.00	-30.00	648325.7336	1544059.1168
L	56+47.33	-50.00	648335.0297	1544086.8377
L	57+05.44	50.00	648219.9120	1544098.0019
L	57+07.37	-50.00	648310.0156	1544141.4194
L	57+27.00	-30.00	648283.6550	1544150.9339
L	57+27.00	30.00	648229.1101	1544125.9368
L	61+97.00	30.00	648033.2989	1544553.2048
L	62+15.10	-30.00	648080.3022	1544594.6578
L	62+36.00	59.55	647990.2333	1544576.1733
L	63+00.00	61.76	647961.3637	1544632.7129
L	63+15.00	30.00	647983.6723	1544659.7883
L	63+56.30	-30.00	648019.9283	1544722.9635
L	63+56.30	30.00	647965.8987	1544696.8712
L	67+55.32	20.16	647801.2371	1545060.4656
L	67+58.53	30.00	647790.9800	1545059.0777
L	68+31.52	20.07	647768.1810	1545129.1223
L	68+41.23	30.00	647755.0148	1545133.5514
L	74+00.00	30.00	647512.0237	1545636.7162
L	74+72.37	-30.00	647534.5819	1545727.9766
L	74+98.80	30.07	647468.9954	1545725.6544
L	91+03.12	29.74	646604.9548	1547064.2407
L	91+03.24	30.00	646604.6755	1547064.1849
L	96+56.94	30.00	646272.3855	1547507.1000
L	96+82.20	-33.59	646308.4668	1547565.2237
L	96+84.73	-30.00	646304.0977	1547565.1194
L	103+26.69	-30.00	646016.8122	1548125.7808
L	103+26.69	30.00	645959.8008	1548107.0808
L	108+96.21	-30.05	645839.3579	1548666.9522
L	108+96.23	-30.00	645839.3045	1548666.9544

ROW MARKER CONCRETE OR GRANITE-E				
ALIGN	STATION	OFFSET	NORTH	EAST
L	109+17.34	30.00	645775.7147	1548668.3101
L	139+65.92	-30.00	645234.0547	1551606.2674
L	143+19.17	-30.00	645237.5781	1551959.5022
L	147+76.18	32.00	645307.0209	1552409.9439
L	148+26.36	-30.00	645386.4578	1552417.3124
L	149+88.37	32.00	645446.2159	1552579.9878
L	151+82.75	32.00	645587.4464	1552713.5393
L	153+06.00	36.00	645674.2529	1552801.1311
L	153+10.82	-54.00	645739.5920	1552739.0502
L	153+50.00	-30.73	645752.0713	1552782.8775
L	153+61.07	30.00	645718.3897	1552834.6102
L	153+84.19	30.00	645734.5650	1552850.2312
L	154+70.86	-29.38	645837.0922	1552872.8636
L	154+71.46	-30.00	645837.9648	1552872.9303
L	154+80.88	30.00	645798.5448	1552919.1338
L	157+00.00	-30.00	645972.0431	1553065.1347
L	157+04.36	30.00	645921.5866	1553097.8940
L	162+03.40	-30.00	646214.0064	1553506.7115
L	162+03.40	30.00	646161.3875	1553535.5430
L	164+42.98	-30.00	646323.5851	1553721.7365
L	164+42.44	30.00	646269.1056	1553746.8815
L	166+41.00	29.25	646349.5469	1553926.7871
L	166+85.00	53.87	646343.1518	1553976.3961
L	167+26.00	50.97	646360.6972	1554012.9719
L	167+49.00	29.16	646389.2570	1554026.4165
L	175+39.34	-30.00	646727.5912	1554743.1253
L	175+39.27	-31.39	646728.8628	1554742.5593
L	175+42.64	30.00	646672.7519	1554767.6915
L	178+30.61	-30.00	646831.9220	1555015.0607
L	178+30.61	30.00	646775.9034	1555036.5529
L	181+83.91	-30.00	646946.1615	1555351.7809
L	181+83.91	30.00	646888.6297	1555368.8131
L	196+40.84	31.80	647300.4831	1556766.3169
L	196+41.61	-28.20	647358.2352	1556750.0203
L	196+41.61	-30.00	647359.9594	1556749.5120
L	208+39.28	30.00	647659.6617	1557911.2923
L	208+39.29	29.98	647659.6834	1557911.2935
L	208+61.18	-30.00	647723.5320	1557911.4401
L	209+74.30	-30.00	647762.0672	1558017.7995
L	209+74.30	30.00	647705.6556	1558038.2381
L	214+81.54	-30.00	648016.3635	1558439.4509
L	214+81.54	30.00	647971.9659	1558479.8100

NOTES:

1. THE SITE CALIBRATION SHOWN IS BASED UPON A NETWORK TIED TO THE HARN (HIGH ACCURACY REFERENCE NETWORK) NAD 83/NSRS 2007 ADJUSTMENT. THIS CALIBRATION WILL ALLOW THE END USER TO WORK WITHIN THE SAME COORDINATE SYSTEM WHEN USING RTK (REAL TIME KINEMATIC) GPS AND A LOCAL BASE STATION. IF ANOTHER SYSTEM SUCH AS VRS (VIRTUAL REFERENCE STATION) IS USED, ADDITIONAL FIELD TIES MAY BE NEEDED TO REDUCE POSSIBLE ERRORS, OR BIASES.
2. THE CONTROL DATA FOR THIS PROJECT CAN BE FOUND ELECTRONICALLY BY SELECTING PROJECT CONTROL DATA AT:
[HTTPS://CONNECT.NCDOT.GOV/RESOURCES/LOCATION](https://connect.ncdot.gov/resources/location)
 THE FILES TO BE FOUND ARE AS FOLLOWS:
 W5313_LS_GPSCALIB.HTML
 W5313_LS_WGS84.TXT
 W5313_LS_LOCAL.TXT
 W5313_LS_CONTROL.TXT
 THE WGS84 AND LOCAL FILES ARE COMMA DELIMITED AND CAN BE USED TO REPRODUCE THE SITE CALIBRATION FOR THE END USER'S GPS EQUIPMENT. IF FURTHER INFORMATION IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.



INDICATES GEODETIC CONTROL MONUMENTS USED OR SET FOR HORIZONTAL PROJECT CONTROL BY THE NCDOT LOCATION AND SURVEYS UNIT.
 PROJECT CONTROL ESTABLISHED USING GLOBAL POSITIONING SYSTEM.

DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCGS FOR MONUMENT "13802-12" WITH NAD 83/NSRS 2007 STATE PLANE GRID COORDINATES OF
 NORTHING: 641735.246(ft) EASTING: 1535065.380(ft)
 ELEVATION: 708.81(ft)
 THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.99985319
 THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "13802-12" TO -L- STATION 10+00.00 IS
 13802-12 10,166.40
 ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES
 VERTICAL DATUM USED IS NAVD 88

NOTE: DRAWING NOT TO SCALE