

SURVEY CONTROL SHEET W-5313

PROJECT REFERENCE NO.	SHEET NO.
W-5313	1C-7
Location and Surveys	

ROW MARKER CONCRETE OR GRANITE-E

ALIGN	STATION	OFFSET	NORTH	EAST
L	218+60.63	-30.00	648271.3558	1558719.9588
L	218+60.63	30.00	648226.9582	1558760.3178
L	222+58.86	-30.00	648491.2517	1559061.6292
L	223+62.55	30.00	648471.9863	1559179.8068
L	229+64.92	30.00	648661.2018	1559751.6967
L	232+51.72	30.00	648772.1087	1560020.5717
L	232+78.00	-44.57	648850.5649	1560010.7833
L	232+85.78	30.00	648787.3181	1560051.0459
L	234+39.00	30.00	648855.7402	1560188.1386
L	234+40.00	-42.79	648921.3157	1560156.5280
L	237+05.87	30.00	648974.9127	1560426.9167
L	245+16.95	30.00	649229.8719	1561185.4043
L	247+41.78	30.00	649271.3683	1561406.3750
L	249+34.27	30.00	649306.8946	1561595.5544
L	257+21.36	-30.00	649511.1339	1562358.0515
L	257+21.36	30.00	649452.1646	1562369.1254
L	259+46.50	-30.00	649543.0524	1562583.5674
L	259+46.75	-34.40	649547.4568	1562583.4027
L	261+25.48	30.00	649493.8884	1562765.7726
L	261+26.97	-30.00	649553.9070	1562765.8481
L	264+24.61	-30.00	649543.0293	1563066.6767
L	266+84.85	30.00	649458.4446	1563319.9948
L	289+84.56	-30.00	649298.4931	1565614.9227
L	289+86.57	-24.79	649293.1148	1565616.4275
L	291+39.54	30.00	649223.9634	1565763.4613
L	291+90.00	30.00	649218.7003	1565813.0392
L	292+03.34	40.00	649207.2149	1565824.9194
L	292+63.98	40.00	649199.2837	1565884.0568
L	292+85.00	30.00	649206.0819	1565906.0415
L	293+63.70	30.00	649192.9585	1565982.6790
L	322+65.63	-30.00	649013.8224	1568879.2016
L	322+65.63	30.00	648954.0865	1568873.5775
L	327+94.97	30.00	648918.3296	1569403.2440
L	328+56.97	-28.38	648974.3220	1569467.4093
L	328+56.84	-30.00	648975.9454	1569467.3391
L	344+35.34	-30.00	648860.8311	1571043.2201
L	344+35.66	29.52	648803.8087	1571026.1561
L	346+49.65	-30.00	648788.2216	1571247.6543
L	346+49.65	30.00	648732.6451	1571225.0432
L	350+07.14	23.46	648603.9816	1571558.6437
L	350+08.62	30.00	648597.3658	1571557.5505

ROW MARKER CONCRETE OR GRANITE-E

ALIGN	STATION	OFFSET	NORTH	EAST
L	358+41.23	-30.00	648339.1711	1572351.3893
L	359+07.75	29.50	648260.3794	1572393.2078
L	359+07.85	30.00	648259.8708	1572393.1531
L	361+79.12	-30.00	648268.7980	1572669.8969
L	361+79.12	30.00	648208.8686	1572666.9874
L	362+86.68	-30.00	648263.5818	1572777.3366
L	362+89.47	30.00	648203.5171	1572777.2136
L	366+72.61	-30.00	648244.8670	1573162.8143
L	366+72.80	30.00	648184.9285	1573160.0903
L	385+86.23	-30.00	648152.0704	1575074.1835
L	385+86.23	30.00	648092.1410	1575071.2740
L	386+25.56	30.00	648089.5423	1575109.3321
L	386+72.07	-30.00	648144.0013	1575162.1939
L	386+72.19	-27.65	648141.6561	1575162.0038
L	391+95.76	-30.00	647957.2480	1575658.6168
L	392+16.60	30.00	647894.2786	1575650.3016
L	398+97.44	-30.00	647642.2315	1576285.6118
L	398+97.44	30.00	647588.6179	1576258.6752
L	400+19.43	-28.56	647583.8282	1576393.8742
L	400+19.49	-30.00	647585.0604	1576394.6221
L	402+73.87	30.00	647403.4784	1576582.5089
L	404+23.36	30.00	647322.4151	1576708.1107
L	405+66.00	30.00	647253.2755	1576838.5132
L	406+66.00	42.00	647207.0372	1576932.7229
L	407+15.26	42.00	647194.1230	1576982.8224
L	407+41.53	52.00	647178.6357	1577007.9258
L	407+97.56	52.57	647168.7323	1577066.6347
L	408+24.47	30.00	647188.1308	1577097.1414
L	410+41.38	30.00	647196.7765	1577321.0632
L	411+97.88	30.00	647223.0672	1577475.3413
L	413+00.00	-31.58	647299.5971	1577566.8076
L	415+07.82	30.00	647261.2162	1577780.1414
L	416+00.00	29.78	647268.8203	1577872.0082

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