

SURVEY CONTROL SHEET W-5313

PROJECT REFERENCE NO. W-5313	SHEET NO. 1C-9
Location and Surveys	

ROW MARKER PERMANENT EASEMENT-E

ALIGN	STATION	OFFSET	NORTH	EAST
L	11+40.00	30.87	650404.1066	1540188.0647
L	11+40.00	47.00	650395.9584	1540174.1441
L	28+60.00	-29.99	649374.1271	1541514.3977
L	28+87.47	-40.00	649371.2968	1541543.4984
L	30+19.45	-40.00	649310.9198	1541662.8217
L	31+40.00	-40.00	649254.1404	1541769.1620
L	31+40.00	-30.00	649245.3191	1541764.4520
L	36+81.68	30.00	648937.2562	1542214.0267
L	37+72.50	49.00	648877.6513	1542285.3503
L	37+72.50	55.50	648871.9066	1542282.3092
L	37+75.00	56.00	648870.2672	1542284.3404
L	37+75.00	49.00	648876.4574	1542287.6086
L	38+00.00	-30.00	648934.9230	1542346.3697
L	39+25.00	-50.00	648899.8995	1542465.7160
L	39+26.00	48.00	648809.9657	1542426.7686
L	39+55.00	-50.00	648888.1415	1542492.5894
L	39+62.00	30.00	648811.8479	1542467.5328
L	40+50.00	-30.00	648834.5952	1542571.5722
L	41+06.19	78.62	648713.0763	1542587.5526
L	46+29.31	58.64	648599.2740	1543106.7115
L	46+49.50	30.15	648622.5333	1543132.7561
L	46+49.50	58.72	648594.6854	1543126.3733
L	48+60.95	66.19	648537.9586	1543325.9620
L	48+62.88	66.95	648536.7019	1543327.5232
L	48+65.29	56.06	648546.4726	1543332.8637
L	48+67.58	55.92	648545.9706	1543335.0243
L	48+77.62	-31.05	648626.2824	1543369.8535
L	48+92.26	54.24	648540.5324	1543358.3385
L	48+84.65	-49.16	648641.4557	1543382.0815
L	48+97.38	28.00	648563.2565	1543370.8184
L	49+06.79	-47.95	648633.3846	1543403.4097
L	49+08.85	-47.85	648632.6317	1543405.3919
L	49+11.49	-59.92	648643.2501	1543411.7443
L	49+13.28	-59.17	648641.9577	1543413.2690
L	50+84.13	-49.00	648568.8853	1543573.9364
L	50+84.13	-58.82	648577.8537	1543577.9363
L	50+86.08	-49.12	648568.1766	1543575.8172
L	50+86.08	-58.72	648576.9396	1543579.7375
L	50+93.48	-49.01	648564.9520	1543582.7151
L	51+80.00	-48.52	648528.3828	1543661.3828
L	51+80.00	-55.00	648534.2730	1543664.0822
L	56+03.50	-67.00	648368.7435	1544054.0774
L	56+03.50	-69.50	648371.0162	1544055.1189

ROW MARKER PERMANENT EASEMENT-E

ALIGN	STATION	OFFSET	NORTH	EAST
L	56+15.50	135.00	648180.1097	1543980.8292
L	56+16.00	133.00	648181.7196	1543982.1170
L	56+22.75	26.65	648275.5882	1544032.5608
L	56+26.00	-48.35	648342.4152	1544066.7617
L	56+26.00	-66.00	648358.4605	1544074.1151
L	56+26.00	-68.50	648360.7332	1544075.1566
L	56+26.00	-82.50	648373.4603	1544080.9893
L	56+33.50	153.00	648156.2471	1543989.6935
L	56+36.50	139.50	648167.2699	1543998.0451
L	56+37.00	137.50	648168.8797	1543999.3329
L	56+40.00	124.00	648179.9024	1544007.6845
L	56+45.44	50.00	648244.9093	1544043.4569
L	56+46.58	125.26	648176.0156	1544013.1413
L	56+48.61	-81.50	648363.1315	1544101.1270
L	57+07.19	155.47	648123.3010	1544055.6546
L	57+08.53	-78.50	648335.4404	1544154.3493
L	57+30.00	157.50	648111.9525	1544075.5450
L	57+31.32	-79.92	648327.2365	1544175.6588
L	57+35.50	-30.00	648280.1137	1544158.6611
L	57+41.00	30.00	648223.2775	1544138.6639
L	64+05.00	-30.00	647998.7498	1544766.8181
L	64+05.00	-44.00	648011.3567	1544772.9063
L	64+30.00	-44.00	648000.4849	1544795.4186
L	64+30.00	-30.00	647987.8700	1544789.3304
L	67+18.00	30.00	647808.6056	1545022.5801
L	67+18.00	49.00	647791.4963	1545014.3175
L	67+92.00	20.11	647785.3311	1545093.5174
L	67+92.00	49.32	647759.0277	1545080.8148
L	68+59.87	30.00	647746.9099	1545150.3342
L	68+59.87	49.62	647729.2428	1545141.8008
L	71+77.00	30.00	647608.9999	1545435.9063
L	71+77.00	51.00	647590.0896	1545426.7740
L	71+93.00	51.00	647583.1316	1545441.1819
L	71+93.00	30.00	647602.0420	1545450.3142
L	74+06.50	52.00	647489.3862	1545633.0022
L	74+09.00	52.00	647488.2990	1545635.2535
L	74+09.63	58.89	647481.8207	1545632.8245
L	74+11.62	57.90	647481.8467	1545635.0470
L	76+09.50	-50.00	647492.9577	1545860.1591
L	76+11.00	-31.00	647475.1960	1545853.2473
L	76+21.50	-73.00	647508.4506	1545880.9671
L	76+23.50	-51.50	647488.2202	1545873.4183
L	76+23.50	-73.00	647507.5808	1545882.7680
L	76+25.50	-51.50	647487.3505	1545875.2193
L	76+31.50	46.50	647396.4930	1545838.0049

DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCGS FOR MONUMENT "I3802-12" WITH NAD 83/NSRS 2007 STATE PLANE GRID COORDINATES OF NORTHING: 641735.246(±) EASTING: 1535065.380(±) ELEVATION: 708.81(±)

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 "I3802-12" TO -L- STATION 10+00.00 IS
I3802-12 10,166.40

ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES
VERTICAL DATUM USED IS NAVD 88

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_GPSALIB.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.

NOTE: DRAWING NOT TO SCALE