

SURVEY CONTROL SHEET W-5313

PROJECT REFERENCE NO.	SHEET NO.
W-5313	1C-10
Location and Surveys	

ROW MARKER PERMANENT EASEMENT-E

ALIGN	STATION	OFFSET	NORTH	EAST
L	76+39.50	-52.50	647482.1628	1545888.2611
L	76+41.00	-31.29	647462.4110	1545880.3882
L	80+80.50	43.50	647194.6111	1546234.0186
L	80+81.50	51.00	647187.6928	1546230.9604
L	80+82.50	43.50	647193.5878	1546235.7001
L	80+83.50	50.50	647187.0987	1546232.8970
L	81+46.68	30.76	647170.8269	1546296.1371
L	82+74.50	-27.87	647147.9522	1546434.8084
L	83+39.92	31.85	647061.2120	1546452.5568
L	83+40.00	42.00	647053.0277	1546446.5529
L	83+43.50	-55.50	647129.0547	1546507.6958
L	83+43.50	-49.00	647123.8488	1546503.8037
L	83+45.50	-55.50	647127.8324	1546509.3295
L	83+45.50	-48.50	647122.2290	1546505.1339
L	83+70.00	42.00	647035.1077	1546470.4583
L	83+69.88	31.41	647043.6508	1546476.7176
L	89+35.00	30.58	646705.1750	1546929.2609
L	89+35.00	40.00	646697.6399	1546923.6078
L	89+42.06	40.00	646693.4041	1546929.2537
L	89+42.06	55.00	646681.4054	1546920.2519
L	89+63.55	55.00	646668.5102	1547420.9490
L	89+65.00	30.49	646687.2434	1546953.3122
L	89+65.00	40.00	646679.6363	1546947.6051
L	89+65.78	55.00	646667.1698	1546939.2268
L	89+66.30	60.55	646662.4179	1546936.3125
L	89+68.09	59.66	646662.0557	1546938.2784
L	89+72.06	30.46	646683.0306	1546958.9776
L	89+72.06	55.00	646663.4018	1546944.2492
L	91+70.00	-48.00	646627.0038	1547164.3972
L	91+70.11	-30.42	646612.8753	1547153.9351
L	95+68.00	55.00	646305.7653	1547420.9490
L	95+68.00	30.00	646325.7631	1547435.9520
L	95+90.00	55.00	646292.5627	1547438.5471
L	95+90.00	30.00	646312.5605	1547453.5501
L	105+37.00	30.00	645894.2530	1548306.9184
L	105+37.00	40.00	645884.7511	1548303.8017
L	105+53.00	30.00	645889.2663	1548322.1214
L	105+53.00	40.00	645879.7644	1548319.0047
L	108+44.00	30.00	645798.5711	1548598.6271
L	108+44.00	40.00	645789.0692	1548595.5104
L	108+44.25	-30.00	645855.5062	1548617.5600
L	108+44.25	-40.00	645865.0081	1548620.6766
L	108+59.00	30.00	645793.8961	1548612.8799
L	108+59.00	40.00	645784.3941	1548609.7633

ROW MARKER PERMANENT EASEMENT-E

ALIGN	STATION	OFFSET	NORTH	EAST
L	127+81.00	30.22	645162.0189	1550422.0107
L	127+81.00	54.00	645138.2400	1550422.2479
L	128+25.00	30.12	645162.5577	1550466.0076
L	128+25.00	54.00	645138.6789	1550466.2457
L	129+13.99	30.00	645163.5653	1550554.9919
L	129+14.00	40.00	645153.5659	1550555.1017
L	130+42.73	29.99	645164.8567	1550683.7234
L	130+76.22	40.00	645155.1840	1550717.3168
L	130+92.33	29.99	645165.3555	1550733.3243
L	130+92.33	44.81	645150.5323	1550733.4722
L	131+01.00	55.00	645140.4319	1550742.2420
L	131+03.00	48.00	645147.4515	1550744.1721
L	131+03.00	55.50	645139.9519	1550744.2469
L	131+05.00	48.50	645146.9715	1550746.1770
L	131+22.33	48.45	645147.1917	1550763.5070
L	131+22.33	29.99	645165.6573	1550763.3228
L	135+12.00	-30.06	645229.5871	1551152.3731
L	135+12.00	-40.00	645239.5266	1551152.2740
L	135+33.00	-40.00	645239.7361	1551173.2729
L	137+00.00	-33.00	645234.4022	1551340.3344
L	141+63.00	-30.00	645236.0204	1551803.3413
L	141+63.00	-45.00	645251.0197	1551803.1917
L	141+84.00	-45.00	645251.2292	1551824.1907
L	141+84.00	-30.00	645236.2299	1551824.3403
L	143+20.50	50.50	645157.0974	1551961.7171
L	143+21.00	45.00	645162.6032	1551962.1805
L	143+25.50	51.00	645156.6747	1551967.0285
L	143+26.00	45.00	645162.6832	1551967.4500
L	146+00.00	96.50	645166.4729	1552267.6890
L	147+00.00	35.05	645265.4970	1552342.4173
L	147+73.00	-30.00	645357.9793	1552374.4850
L	148+11.50	-50.50	645395.1590	1552393.9767
L	148+13.50	-52.00	645397.4584	1552394.6737
L	148+15.50	-45.00	645392.7700	1552400.2025
L	148+17.50	-46.00	645394.6699	1552401.1850
L	148+20.50	54.50	645314.0235	1552461.2306
L	148+24.50	32.00	645334.8360	1552451.7021
L	148+25.00	55.50	645315.9723	1552465.7266
L	148+29.50	32.00	645337.8512	1552455.9290
L	149+25.50	-32.79	645448.4567	1552489.8009
L	149+25.50	-55.29	645465.1047	1552474.6649
L	149+82.00	-31.62	645485.4917	1552529.5354
L	149+82.00	-54.50	645501.3387	1552513.0319

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

NOTES:

- 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.
- 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