

SURVEY CONTROL SHEET W-5313

PROJECT REFERENCE NO.	SHEET NO.
W-5313	1C-11
Location and Surveys	

ROW MARKER PERMANENT EASEMENT - E

ALIGN	STATION	OFFSET	NORTH	EAST
L	151+01.50	-49.00	645584.0681	1552598.8640
L	151+03.50	-48.50	645585.1777	1552600.6015
L	151+04.50	-58.50	645592.7751	1552594.0227
L	151+06.50	-58.00	645593.8847	1552595.7602
L	151+07.50	-26.95	645602.3396	1552646.4921
L	153+28.50	-43.46	645745.1962	1552758.8560
L	153+62.99	-94.46	645805.4155	1552745.6120
L	153+73.00	30.00	645726.7767	1552842.6278
L	154+63.80	-266.15	646010.3430	1552711.2904
L	154+79.86	-247.41	646009.1159	1552738.5310
L	155+00.50	-48.00	645871.0979	1552884.3391
L	155+02.50	-48.00	645872.4196	1552885.9546
L	155+02.50	-57.00	645879.3907	1552880.2622
L	155+04.50	-56.50	645880.3319	1552882.2083
L	156+14.50	-30.00	645926.5898	1552990.0045
L	156+14.50	-42.00	645936.6079	1552983.3987
L	159+35.00	43.00	646021.0117	1553306.4037
L	159+35.00	30.00	646032.4124	1553300.1569
L	159+50.00	35.00	646035.2354	1553315.7142
L	159+50.00	43.00	646028.2195	1553319.5584
L	162+03.40	35.00	646157.0026	1553537.9456
L	175+44.50	-30.00	646729.4385	1554747.9402
L	175+44.50	-50.00	646748.1113	1554740.7761
L	175+72.00	30.00	646683.2704	1554795.1075
L	175+72.00	48.50	646665.9980	1554801.7343
L	176+02.00	48.50	646676.7440	1554829.7436
L	176+02.00	30.00	646694.0164	1554823.1169
L	179+18.00	-55.34	646886.4624	1555088.8868
L	179+18.00	-30.00	646862.6361	1555097.5011
L	179+42.00	30.00	646814.2565	1555140.3425
L	179+42.00	66.00	646780.3364	1555152.4019
L	179+90.00	-55.82	646911.1569	1555157.4664
L	180+02.00	-51.51	646911.0035	1555170.3527
L	180+06.00	45.00	646820.9224	1555205.2155
L	180+06.00	66.00	646801.0377	1555211.9680
L	180+20.00	30.00	646839.5770	1555213.5673
L	180+20.00	45.00	646825.3587	1555218.3463
L	180+36.00	-39.50	646910.5704	1555206.7329
L	180+36.00	-30.00	646901.5548	1555209.7276
L	180+96.00	-55.00	646944.0403	1555259.6097
L	181+20.00	30.00	646870.1760	1555308.0681
L	181+20.00	40.00	646860.6287	1555311.0427
L	181+40.00	40.00	646866.4829	1555329.9807
L	181+40.00	30.00	646876.0434	1555327.0486

ROW MARKER PERMANENT EASEMENT - E

ALIGN	STATION	OFFSET	NORTH	EAST
L	191+20.00	30.00	647154.3577	1556266.3920
L	191+20.00	50.00	647135.1805	1556272.0694
L	191+30.00	-30.00	647214.7282	1556258.9484
L	191+30.00	-45.00	647229.1111	1556254.6903
L	191+58.00	-30.00	647222.6765	1556285.7965
L	191+58.00	-45.00	647237.0595	1556281.5385
L	191+75.00	43.00	647157.5054	1556322.8198
L	191+75.00	62.00	647139.2870	1556328.2133
L	192+14.00	72.00	647140.7693	1556368.4477
L	192+14.00	30.00	647181.0416	1556356.5251
L	192+14.00	41.44	647170.0722	1556359.7726
L	192+44.00	30.00	647189.5577	1556385.2910
L	192+44.00	40.24	647179.7390	1556388.1978
L	192+44.00	72.00	647149.2855	1556397.2135
L	192+50.00	30.00	647191.2609	1556391.0441
L	192+50.00	40.00	647181.6723	1556393.8829
L	192+70.00	-45.00	647268.8530	1556388.9311
L	192+70.00	-30.00	647254.4701	1556393.1891
L	195+00.00	-30.00	647319.7604	1556613.7275
L	196+80.50	-71.25	647410.5522	1556775.0925
L	196+82.00	-73.00	647412.6560	1556776.0340
L	197+27.20	-28.91	647383.2126	1556831.8901
L	197+29.90	-29.17	647384.2302	1556834.4091
L	197+70.50	31.57	647337.5104	1556890.5777
L	197+90.00	51.50	647323.9357	1556914.9331
L	197+99.50	41.00	647336.7005	1556921.0617
L	198+02.00	40.00	647338.3691	1556923.1749
L	198+04.50	46.00	647333.3256	1556927.2753
L	198+06.00	44.50	647335.1897	1556928.2878
L	198+08.50	31.61	647348.2591	1556927.0259
L	208+46.00	30.00	647661.9503	1557917.6090
L	208+46.00	55.00	647638.4455	1557926.1250
L	208+83.00	40.00	647665.1522	1557955.8025
L	208+83.00	55.00	647651.0493	1557960.9122
L	208+90.00	-30.00	647733.3502	1557938.5389
L	208+90.00	-40.00	647742.7521	1557935.1325
L	209+60.00	-30.00	647757.1951	1558004.3524
L	209+60.00	-40.00	647766.5971	1558000.9460
L	218+32.00	30.00	648207.7004	1558739.1331
L	218+32.00	45.00	648196.6010	1558749.2228
L	218+60.63	45.00	648215.8588	1558770.4076
L	218+60.63	-40.00	648278.7554	1558713.2323
L	223+62.00	-34.66	648533.1972	1559158.9636

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