

# SURVEY CONTROL SHEET W-5313

PROJECT REFERENCE NO. W-5313	SHEET NO. 1C-13
Location and Surveys	

ROW MARKER PERMANENT EASEMENT - E

ALIGN	STATION	OFFSET	NORTH	EAST
L	338+44.00	51.50	648881.4480	1570450.8964
L	338+45.50	58.50	648874.3863	1570452.0277
L	338+54.55	28.40	648904.0076	1570462.3968
L	338+54.55	48.04	648884.3938	1570461.3835
L	338+92.87	35.00	648895.1644	1570499.7444
L	339+11.72	28.31	648900.5044	1570518.7742
L	339+83.50	-31.34	648953.3893	1570595.7096
L	340+23.00	-55.00	648972.3104	1570638.3616
L	340+25.00	-48.50	648965.6088	1570639.5925
L	340+25.00	-55.50	648972.5556	1570640.4540
L	340+27.00	-49.50	648966.3491	1570641.7417
L	341+10.14	30.81	648875.0669	1570713.0251
L	341+10.14	34.41	648871.5125	1570712.4543
L	341+10.14	46.91	648859.1706	1570710.4723
L	341+20.00	59.00	648845.6893	1570718.0455
L	341+50.00	35.00	648864.3777	1570751.0824
L	341+50.00	31.72	648867.6070	1570751.6568
L	342+11.50	-45.50	648931.8607	1570826.7395
L	342+13.00	-52.50	648938.4106	1570829.6452
L	342+13.50	-45.00	648930.9613	1570828.6355
L	342+15.00	-52.00	648937.5088	1570831.5465
L	342+67.50	-28.11	648902.8073	1570878.6247
L	343+61.54	35.00	648818.7963	1570954.3908
L	343+85.00	27.70	648819.6567	1570978.6478
L	343+85.00	35.00	648812.6309	1570976.6658
L	344+35.69	40.00	648793.7757	1571023.1279
L	344+42.72	69.52	648763.5409	1571021.0287
L	344+44.14	60.20	648772.0383	1571025.0988
L	344+44.75	69.81	648762.6821	1571022.8257
L	344+46.18	60.46	648771.2018	1571026.9211
L	346+49.65	40.00	648723.3824	1571221.2747
L	346+49.65	-40.00	648797.4843	1571251.4228
L	346+67.78	41.37	648715.2802	1571237.5540
L	346+67.78	69.82	648688.9277	1571226.8326
L	346+97.78	69.94	648677.5110	1571254.5756
L	346+97.78	43.64	648701.8720	1571264.4868
L	347+96.91	-40.00	648741.9869	1571387.8316
L	348+57.00	70.60	648616.8975	1571401.8082
L	348+61.00	56.00	648628.9136	1571411.0153
L	349+00.00	-47.00	648709.6227	1571485.9557
L	349+00.00	-80.00	648740.1897	1571498.3918
L	349+90.00	-50.00	648678.4849	1571570.4509
L	349+90.00	-80.00	648706.2731	1571581.7564
L	350+25.00	30.00	648591.1932	1571572.7224

ROW MARKER PERMANENT EASEMENT - E

ALIGN	STATION	OFFSET	NORTH	EAST
L	350+25.00	56.00	648567.1101	1571562.9242
L	351+50.00	30.00	648544.0868	1571688.5066
L	351+50.00	55.00	648520.9300	1571679.0853
L	351+82.00	-30.00	648587.6040	1571740.7584
L	351+82.00	-50.00	648606.1295	1571748.2955
L	356+84.00	30.00	648342.8484	1572183.1369
L	356+99.50	64.00	648305.5139	1572184.6812
L	357+74.00	30.00	648308.9318	1572266.5015
L	357+80.93	30.00	648306.3203	1572272.9202
L	358+33.00	-30.00	648342.2740	1572343.7627
L	358+72.00	-54.00	648350.8499	1572387.5574
L	358+74.00	-54.50	648350.6620	1572389.5048
L	358+74.50	-48.00	648344.3994	1572387.7004
L	358+76.50	-48.00	648343.7428	1572389.4876
L	361+88.50	-30.00	648268.3429	1572679.2696
L	361+88.50	-69.00	648307.2971	1572681.1608
L	362+60.00	30.00	648204.9463	1572747.7760
L	362+60.00	40.00	648194.9581	1572747.2910
L	362+65.00	-30.00	648264.6332	1572755.6796
L	362+65.00	-40.00	648274.6215	1572756.1646
L	362+78.00	30.00	648204.0734	1572765.7548
L	362+78.00	40.00	648194.0852	1572765.2699
L	362+95.00	-31.47	648264.6467	1572785.7156
L	362+95.00	-40.00	648273.1667	1572786.1293
L	363+05.00	28.64	648204.1225	1572792.7890
L	364+25.00	-30.20	648257.0742	1572915.5011
L	364+25.00	-40.00	648266.8627	1572915.9763
L	364+25.00	35.00	648191.9509	1572912.3394
L	364+25.00	45.00	648181.9627	1572911.8545
L	364+55.00	-40.00	648265.4079	1572945.9410
L	364+55.00	-30.02	648255.4396	1572945.4571
L	364+55.00	35.00	648190.4961	1572942.3041
L	364+55.00	45.00	648180.5079	1572941.8192
L	365+75.00	30.11	648189.5612	1573062.4000
L	373+00.00	30.00	648154.5139	1573786.5524
L	374+30.00	-30.00	648208.1393	1573919.3091
L	374+30.00	-45.00	648223.1217	1573920.0364
L	374+50.00	50.00	648127.2636	1573935.4061
L	374+60.00	-30.00	648206.6845	1573949.2738
L	374+60.00	-45.00	648221.6669	1573950.0012
L	376+00.00	30.00	648139.9661	1574086.1995
L	379+50.00	-30.00	684182.9231	1574438.6973
L	380+00.02	30.00	648120.5682	1574485.7477
L	380+55.00	40.00	648107.9137	1574540.1793
L	380+55.00	50.00	648097.9255	1574539.6944

## 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(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 "I3802-12" 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:

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.

NOTE: DRAWING NOT TO SCALE