

SURVEY CONTROL SHEET W-5313

PROJECT REFERENCE NO. W-5313	SHEET NO. 1C-8
Location and Surveys	

ROW MARKER CONCRETE OR GRANITE-E

ALIGN	STATION	OFFSET	NORTH	EAST
LREV	12+95.91	-30.00	650300.3051	1540319.3542
LREV	18+13.75	44.11	649847.6697	1540582.0208

ROW MARKER CONCRETE OR GRANITE-E

ALIGN	STATION	OFFSET	NORTH	EAST
Y1	10+41.00	-40.00	649863.1342	1540533.3294
Y1	11+80.00	-35.00	649847.1866	1540395.1568
Y1	11+80.00	-40.00	649842.2433	1540395.9083
Y1	12+20.00	-35.00	649841.1748	1540355.6111
Y1	12+20.00	-40.00	649836.2316	1540356.3626
Y1	13+75.00	-31.48	649821.3593	1540201.8427
Y1	13+75.00	-40.00	649812.9361	1540203.1232

ROW MARKER CONCRETE OR GRANITE-E

ALIGN	STATION	OFFSET	NORTH	EAST
Y3	10+50.30	-29.74	645824.4941	1552726.1726

ROW MARKER CONCRETE OR GRANITE-E

ALIGN	STATION	OFFSET	NORTH	EAST
Y4	11+25.50	-30.00	645529.6475	1552787.4443
Y4	12+02.70	30.00	645477.6421	1552706.7605
Y4	12+23.85	30.00	645464.2751	1552696.2324
Y4	12+23.85	-30.00	645424.0038	1552740.7096
Y4	13+50.00	-30.00	645326.7545	1552689.6466
Y4	13+75.00	-29.98	645305.1263	1552685.6639
Y4	13+75.00	30.02	645312.9756	1552626.1795

ROW MARKER CONCRETE OR GRANITE-E

ALIGN	STATION	OFFSET	NORTH	EAST
Y5	12+45.54	29.98	648903.5545	1560027.9287
Y5	12+61.60	-29.86	648922.1884	1560087.0145

ROW MARKER CONCRETE OR GRANITE-E

ALIGN	STATION	OFFSET	NORTH	EAST
Y6	10+62.23	-30.00	648803.2385	1560155.1076
Y6	12+23.56	-30.00	648619.5134	1560143.9077
Y6	14+46.77	-30.00	648424.9586	1560067.2580

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:

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