

SURVEY CONTROL SHEET W-5313

PROJECT REFERENCE NO.	SHEET NO.
W-5313	1C-5
Location and Surveys	

Y5

TYPE	STATION	NORTH	EAST
POT	10+00.00	649108.7493	1559897.0337
PC	11+31.75	649010.3319	1559984.6302
PT	12+45.84	648919.4250	1560053.3653
POT	13+33.49	648845.5179	1560100.4773

Y7

TYPE	STATION	NORTH	EAST
POT	10+00.00	647225.5539	1577040.9088
POT	11+41.48	647084.3919	1577031.3706

Y6

TYPE	STATION	NORTH	EAST
POT	10+00.00	648845.5179	1560100.4773
PC	10+62.23	648789.8415	1560128.2650
PRC	12+23.56	648636.0716	1560118.8913
PT	14+69.00	648407.9190	1560034.4569
POT	15+78.81	648298.9467	1560020.8518

Y8

TYPE	STATION	NORTH	EAST
POT	10+00.00	647517.8460	1577402.4767
PC	10+20.56	647497.9997	1577407.8620
PT	11+57.24	647372.0965	1577460.0839
POT	12+84.99	647261.3190	1577523.7166

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