

SURVEY CONTROL SHEET R-4753

-FINAL-

-FINAL- ROW MARKER IRON PIN AND CAP-E Table with columns: ALIGN, STATION, OFFSET, NORTH, EAST. Rows 1-200.

-FINAL- ROW MARKER IRON PIN AND CAP-E Table with columns: ALIGN, STATION, OFFSET, NORTH, EAST. Rows 200-400.

PDE Table with columns: ALIGN, STATION, OFFSET, NORTH, EAST. Rows 400-650.

PDE Table with columns: ALIGN, STATION, OFFSET, NORTH, EAST. Rows 650-900.

DATUM DESCRIPTION
THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCDOT FOR MONUMENT "R4753 GPS108" WITH NAD 83/NSRS 2007 STATE PLANE GRID COORDINATES OF NORTHING: 584298.1040(ft) EASTING: 767738.1110(ft) THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.99977445 THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "R4753 GPS108" TO -L- STATION 15+50.00 IS N 49°21'09.2" W 8,420.43' ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES VERTICAL DATUM IS BASED ON NGS BENCHMARK N508 (ELEV 2144.97 FT.) (NAVD 88)

-Y1REV- Table, -Y2- Table, -Y3A- Table. Includes sub-headers: -FINAL- ROW MARKER IRON PIN AND CAP-E. Rows 900-965.

PUE Table with columns: ALIGN, STATION, OFFSET, NORTH, EAST. Rows 650-965.

NOTES:
1. THE SITE CALIBRATION SHOWN IS BASED UPON A NETWORK TIED TO THE HARN (HIGH ACCURACY REFERENCE NETWORK) NAD 83/95 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/SOURCES/LOCATION/
THE FILES TO BE FOUND ARE AS FOLLOWS:
R4753_LS_GPS/CALIB.HTML
R4753_LS_LS_WGS84.TXT
R4753_LS_LOCAL.TXT
R4753_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.
PROJECT CONTROL ESTABLISHED USING GLOBAL POSITIONING SYSTEM. NETWORK ESTABLISHED FROM EXISTING HARN MONUMENTATION. SEE GPS CALIBRATION SHEET FOR HORIZONTAL AND VERTICAL COORDINATE VALUES.

GEOID MODEL - GEOID03
NOTE: DRAWING NOT TO SCALE