

SURVEY CONTROL SHEET B-3623

PROJECT REFERENCE NO.	SHEET NO.
33171.1.1	1E
Location and Surveys	

BL POINT	DESC.	NORTH	EAST	ELEVATION	L STATION	OFFSET
LS7	BL-7	569751.3450	1523717.5410	595.56	10+64.34	34.14 LT
GPS2	B3623-2	569544.7920	1523881.8600	573.87	13+29.10	25.56 LT
LS3	BL-3	569215.2050	1524313.5700	546.36	18+79.82	77.03 LT
GPS1	B3623-1	569011.9660	1524557.3580	567.49	21+85.77	81.52 LT
LS4	BL-4	568616.2180	1524675.3800	582.45	25+73.52	22.81 RT

T0 POINT	DESC.	NORTH	EAST	ELEVATION	L STATION	OFFSET
LS5	T-5	569324.9640	1524312.4760	537.02	18+10.08	161.79 LT
LSE0T3	BL-3	569215.2050	1524313.5700	546.36	18+79.82	77.03 LT
LS6	T-6	569136.4490	1524228.6270	534.80	18+63.12	37.60 RT

 BM1 ELEVATION - 573.87
 N 569545 E 1523882
 L STATION 13+29 26 LEFT
 NCDOT GPS MONUMENT B3623-2

 BM2 ELEVATION - 591.02
 N 569795 E 1523787
 L STATION 10+75 116 LEFT
 RR SPIKE IN BASE OF PINE TREE

 BM3 ELEVATION - 539.49
 N 569383 E 1524338
 L STATION 17+93 223 LEFT
 RR SPIKE IN BASE OF TREE

 BM4 ELEVATION - 567.49
 N 569012 E 1524557
 L STATION 21+86 82 LEFT
 NCDOT GPS MONUMENT B3623-1

 BM5 ELEVATION - 600.11
 N 568688 E 1524786
 L STATION 25+55 107 LEFT
 RR SPIKE IN BASE OF SWEET GUM TREE

DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCDOT FOR MONUMENT "B3623-1" WITH NAD 1983/95 STATE PLANE GRID COORDINATES OF NORTHING: 569011.966(ft) EASTING: 1524557.358(ft) THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.999873000 THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "B3623-1" TO L- STATION 12+30.000 IS N 52°04'28.2" W 962.547 ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES VERTICAL DATUM USED IS NAVD 88

NOTES:

THE CONTROL DATA FOR THIS PROJECT CAN BE FOUND ELECTRONICALLY BY SELECTING PROJECT CONTROL DATA AT:

[HTTP://WWW.DOH.DOT.STATE.NC.US/PRECONSTRUCT/HIGHWAY/LOCATIONPROJECT](http://www.doh.dot.state.nc.us/preconstruct/highway/locationproject)

THE FILES TO BE FOUND ARE AS FOLLOWS:

- b3623_ls_gpscalib_031112.htm
- b3623_ls_wgs84_031112.txt
- b3623_ls_local_031112.txt
- b3623_ls_baseline_031112.txt

THE SITE CALIBRATION SHOWN IS BASED UPON A NETWORK TIED TO THE HARN (HIGH ACCURACY REFERENCE NETWORK) NAD 8395 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.

Ⓢ 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.

IF FURTHER INFORMATION IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.