

12/01/2005

U-5169 SURVEY CONTROL SHEET

BASELINE DATA

BL	POINT	DESC.	NORTH	EAST	ELEVATION	Y STATION	OFFSET
1		U5169-1	824488.8160	1709061.9690	806.85	OUTSIDE PROJECT LIMITS	
2		U5169-2	823846.6770	1708558.0050	782.94	OUTSIDE PROJECT LIMITS	
9		BL-9	823131.8037	1708092.0761	824.65	53+69.74	38.80 RT
10		BL-10	822570.9273	1707651.5570	835.78	46+56.55	39.15 RT
11		BL-11	822062.7596	1707251.5271	832.89	40+09.31	38.47 RT
12		BL-12	821671.3317	1706880.7152	847.09	34+80.26	61.48 LT
13		BL-13	820852.7707	1706602.4631	864.88	26+28.37	85.96 RT
14		BL-14	820474.8223	1706251.3513	858.68	21+28.47	41.44 LT
15		BL-15	819846.4200	1706001.2581	858.29	14+57.02	39.71 RT
16		BL-16	819551.9782	1705751.9973	870.51	10+79.20	38.23 LT
3		U5169-3	819224.7940	1705559.3340	867.89	OUTSIDE PROJECT LIMITS	
4		U5169-4	818043.2460	1704970.8850	872.53	OUTSIDE PROJECT LIMITS	

BY	POINT	DESC.	NORTH	EAST	ELEVATION	Y1 STATION	OFFSET
18		BY-18	822408.3470	1706758.4561	835.31	10+77.84	25.17 RT
17		BY-17	822197.9341	1707036.2430	841.17	14+25.69	16.88 RT
A11			822062.7596	1707251.5271	832.89	16+78.85	6.03 LT

BY1	POINT	DESC.	NORTH	EAST	ELEVATION	Y2 STATION	OFFSET
A12			821671.3317	1706880.7152	847.09	OUTSIDE PROJECT LIMITS	
19		BY1-19	821679.3269	1707598.1157	843.19	16+35.71	17.92 LT

BY2	POINT	DESC.	NORTH	EAST	ELEVATION	L STATION	OFFSET
5		U5169-5	822504.7520	1704863.9580	818.33	60+84.93	10.87 LT
6		U5169-6	822078.6870	1705591.8590	819.03	52+41.26	13.26 RT
20		BY2-20	821607.5866	1706277.8697	825.13	44+20.61	97.87 RT
A13			820852.7707	1706602.4631	864.88	36+35.98	162.16 LT
21		BY2-21	820014.6938	1707309.1184	841.75	25+32.16	13.43 LT
7		U5169-7	819050.4460	1707831.5150	836.07	14+35.50	12.42 LT
8		U5169-8	818106.2320	1708366.2400	824.82	OUTSIDE PROJECT LIMITS	

BY3	POINT	DESC.	NORTH	EAST	ELEVATION	Y3 STATION	OFFSET
22		BY3-22	819950.4498	1705608.2002	861.15	OUTSIDE PROJECT LIMITS	
A15			819846.4200	1706001.2581	858.29	8+62.41	1863.66 RT

BY4	POINT	DESC.	NORTH	EAST	ELEVATION	Y STATION	OFFSET
B15			819846.4200	1706001.2581	858.29	14+57.02	39.71 RT
23		BY4-23	819641.6953	1706247.2381	862.80	13+94.99	353.67 RT

BENCHMARK DATA

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 BM1 ELEVATION = 793.13
 N 823749 E 1708398
 Y STATION 10+00.00
 N 31°44'23.59" E DIST 5038.51
 MAG NAIL IN CONCRETE CATCH BASIN

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 BM2 ELEVATION = 837.11
 N 822626 E 1707855
 Y STATION 48+25.00 165 RIGHT
 RR SPIKE IN BASE OF 28" OAK

.....
 BM3 ELEVATION = 848.87
 N 821543 E 1707623
 Y STATION 37+77.00 643 RIGHT
 MAG NAIL IN CONCRETE CURB

.....
 BM4 ELEVATION = 851.64
 N 821519 E 1706669
 Y STATION 32+46.00 174 LEFT
 RR SPIKE IN BASE OF 20" OAK

.....
 BM5 ELEVATION = 857.94
 N 820577 E 1706597
 Y STATION 23+84.00 213 RIGHT
 RR SPIKE IN BASE OF 24" POPLAR

.....
 BM6 ELEVATION = 843.79
 N 818830 E 1707790
 LNB STATION 49+62.00 187 RIGHT
 RR SPIKE IN BASE OF 24" OAK

.....
 BM7 ELEVATION = 860.45
 N 819581 E 1706099
 Y STATION 12+71.00 253 RIGHT
 RR SPIKE IN BASE OF 24" POPLAR

.....
 BM8 ELEVATION = 821.28
 N 822068 E 1705550
 L STATION 52+69.00 20 LEFT
 MAG NAIL IN WING WALL OF BRIDGE

NOTES

1. 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/LOCATION/PROJECT/](http://www.doh.dot.state.nc.us/preconstruct/highway/location/project/)

THE FILES TO BE FOUND ARE AS FOLLOWS:
 U5169_ls_control.txt

SITE CALIBRATION INFORMATION HAS NOT BEEN PROVIDED FOR THIS PROJECT. 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.

DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCDOT FOR MONUMENT "U5169-6"
 WITH NAD 83/NA 2011 STATE PLANE GRID COORDINATES OF
 NORTHING: 822078.6870(±) EASTING: 1705591.8590(±)
 ELEVATION: 819.03'(±)
 THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.9999246384
 THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "U5169-6" TO -LNB- STATION 10+00.00 IS
 N 86°47'33" E 38.53'
 ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES
 VERTICAL DATUM USED IS NAVD 88

NOTE: DRAWING NOT TO SCALE

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