

U-2524D SURVEY CONTROL SHEET

BASELINE DATA

BL POINT	DESC.	NORTH	EAST	ELEVATION	L STATION	OFFSET	BY4 POINT	DESC.	NORTH	EAST	ELEVATION	Y4 STATION	OFFSET
34	BL-34	870076.8920	1744818.3150	748.80	401+39.33	1.58 LT	516	BY4-516	872172.0440	1743973.4730	825.88	OUTSIDE PROJECT LIMITS	
35	BL-35	870318.5750	1745461.6710	759.20	408+26.49	9.74 RT	517	BY4-517	871642.0510	1744363.8190	801.13	12+60.32	46.30 RT
36	BL-36	870592.1470	1746153.6100	747.12	415+70.79	2.47 RT	518	BY4-518	871194.6560	1744692.3140	779.97	18+15.35	50.38 RT
37	BL-37	870730.2080	1746724.5970	769.28	421+57.85	14.87 LT	509	BY3-509	870961.6770	1744782.2040	771.49	20+55.85	117.58 RT
38	BL-38	870721.4830	1747311.5100	801.13	427+42.83	21.10 LT	519	BY4-519	870735.3310	1745045.0440	760.50	23+94.42	42.17 RT
39	BL-39	870647.9620	1747631.2250	826.31	430+68.84	3.02 LT	35	BL-35	870318.5750	1745461.6710	759.20	29+77.57	42.71 LT
40	BL-40	870499.6970	1748360.4680	839.40	438+12.96	4.64 RT	520	BY4-520	869743.0220	1745780.3410	759.02	36+29.46	45.85 RT
41	BL-41	870410.1310	1748890.5270	830.86	443+50.39	7.67 LT	521	BY4-521	869114.4210	1746252.5010	756.98	44+15.64	43.08 RT
42	BL-42	870184.5010	1749152.7560	858.04	446+47.00	166.00 RT	522	BY4-522	868329.3770	1746961.6070	788.35	OUTSIDE PROJECT LIMITS	
43	BL-43	870241.4390	1749725.0240	856.95	451+94.30	57.65 RT							
44	BL-44	870413.1320	1750742.7460	817.62	462+14.59	53.28 RT							
45	BL-45	870870.1320	1751970.0520	803.29	475+20.96	38.32 LT							
46	BL-46	871098.5900	1752884.1760	781.87	484+62.38	0.83 RT	BY5 POINT	DESC.	NORTH	EAST	ELEVATION	Y5 STATION	OFFSET
47	BL-47	871277.3710	1753402.7510	775.20	490+10.34	24.13 LT	523	BY5-523	871001.5930	1748912.1760	839.00	OUTSIDE PROJECT LIMITS	
48	BL-48	871378.4520	1753867.2250	771.97	494+84.66	0.31 LT	524	BY5-524	870659.4260	1749523.3260	851.97	15+16.48	29.43 LT
49	BL-49	871454.8640	1754681.8660	766.80	503+04.10	1.86 LT	43	BL-43	870241.4390	1749725.0240	856.95	OUTSIDE PROJECT LIMITS	
50	BL-50	871469.5310	1755168.0400	773.61	507+82.49	1.52 LT	525	BY5-525	869701.3680	1749923.0790	860.99	OUTSIDE PROJECT LIMITS	
51	BL-51	871479.8370	1755485.0000	803.90	511+07.62	1.63 LT							
52	BL-52	871492.1330	1756082.2560	820.42	517+04.97	4.81 RT							
53	BL-53	871506.8710	1756411.5390	800.85	520+34.55	0.41 RT	BY6 POINT	DESC.	NORTH	EAST	ELEVATION	Y6 STATION	OFFSET
							526	BY6-526	869724.8680	1747278.3750	811.97	OUTSIDE PROJECT LIMITS	
							527	BY6-527	869820.5720	1747827.0570	831.85	OUTSIDE PROJECT LIMITS	
							528	BY6-528	869920.0580	1748510.9790	849.58	16+68.10	26.98 RT
							529	BY6-529	870110.7230	1749071.2860	856.97	22+44.98	64.93 RT
							42	BL-42	870184.5010	1749152.7560	858.04	23+49.34	57.45 RT
							BY7 POINT	DESC.	NORTH	EAST	ELEVATION	Y7 STATION	OFFSET
							5	U2524C5	871542.5460	1750385.0180	857.24	OUTSIDE PROJECT LIMITS	
							530	BY7-530	871170.4360	1750131.1340	857.67	OUTSIDE PROJECT LIMITS	
							531	BY7-531	870817.6680	1749853.8770	855.36	OUTSIDE PROJECT LIMITS	
							524	BY5-524	870659.4260	1749523.3260	851.97	OUTSIDE PROJECT LIMITS	
							BY8 POINT	DESC.	NORTH	EAST	ELEVATION	Y8 STATION	OFFSET
							7	U2524C-7	872643.8630	1753652.9950	807.30	OUTSIDE PROJECT LIMITS	
							532	BY8-532	872027.4230	1753706.1830	792.29	12+08.55	40.33 RT
							48	BL-48	871378.4520	1753867.2250	771.97	18+77.20	37.36 RT
							533	BY8-533	870658.1030	1754051.5960	807.08	26+20.45	41.10 LT
							534	BY8-534	869883.1010	1754118.5780	843.02	OUTSIDE PROJECT LIMITS	

BENCHMARK DATA

.....	BM15	ELEVATION - 858.80
N 869765	E 1749815		
L STATION 452+71	535 RIGHT		
RR SPIKE IN 30 INCH OAK			
.....			
.....	BM17	ELEVATION - 797.52
N 871082	E 1751866		
L STATION 474+81	271 LEFT		
RR SPIKE IN 9 INCH CHERRY			
.....			
.....	BM12	ELEVATION - 748.99
N 870839	E 1746657		
L STATION 421+03	130 LEFT		
NAIL IN 12 INCH GUM			
.....			
.....	BM18	ELEVATION - 808.40
N 872785	E 1753511		
Y8 STATION 10+00			
N 18° 44' 24.6" W DIST	575.94		
RR SPIKE IN 22 INCH OAK			
.....			
.....	BM19	ELEVATION - 841.27
N 869867	E 1754214		
Y8 STATION 31+26			
S 22° 19' 57.9" E DIST	312.72		
RR SPIKE IN 18 INCH OAK			
.....			
.....	BM14	ELEVATION - 838.41
N 871003	E 1749032		
Y5 STATION 10+00			
N 29° 20' 41.8" W DIST	89.26		
RR SPIKE IN 10 INCH POPLAR			
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.....	BM20	ELEVATION - 787.30
N 871657	E 1756384		
L STATION 520+12	151 LEFT		
RR SPIKE IN 24 INCH OAK			
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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:
u2524c_ls_control_060209.txt

SITE CALIBRATION INFORMATION HAS NOT BEEN PROVIDED FOR THIS PROJECT. IF FURTHER INFORMATION IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
2. PROJECT CONTROL ESTABLISHED USING GLOBAL POSITIONING SYSTEM FROM EXISTING HARN MONUMENTATION.

DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCGS FOR MONUMENT "ROYAL"

WITH NAD 83 STATE PLANE GRID COORDINATES OF
NORTHING: 855082.5976(ft) EASTING: 1758541.3714(ft)
THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.99994019

THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "ROYAL" TO L- STATION 421+69.00 IS
N 37° 03' 16.89" W 19.5897 198'

ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES
VERTICAL DATUM USED IS NGVD 29