

U-2525C SURVEY CONTROL SHEET

BASELINE DATA

BL	POINT	DESC.	NORTH	EAST	ELEVATION	L STATION	OFFSET
70	BL-70		872841.6183	1780683.7278	860.80	292-76.06	77.39 LT
10	BL-10		873139.4348	1780319.2759	836.98	297-42.71	41.99 LT
11	BL-11		873301.1813	1780146.3428	856.18	299-77.73	14.48 LT
12	BL-12		873453.1721	1779807.9093	848.93	303-40.28	93.12 LT
13	BL-13		873897.3115	1779417.1218	840.77	309-18.46	32.12 RT
14	BL-14		874284.9453	1778903.0418	819.77	315-55.95	62.78 RT
15	BL-15		874458.6629	1778513.5142	851.05	319-75.61	46.01 RT
16	BL-16		874601.2895	1778102.0604	862.41	324-05.46	46.61 RT
17	BL-17		874672.7921	1777658.0213	878.28	328-50.24	27.45 RT
18	BL-18		874696.7810	1776768.6620	848.94	337-37.36	17.25 RT
19	BL-19		874688.6153	1776220.7224	839.85	342-85.27	7.44 RT
20	BL-20		874618.3853	1775607.6172	818.87	348-98.16	64.64 LT
21	BL-21		874690.9105	1775318.5721	791.85	351-87.42	7.01 RT
22	BL-22		874690.6067	1775032.5302	792.92	354-73.46	5.85 RT
23	BL-23		874690.6024	1774338.2477	781.58	361-87.76	8.75 RT
24	BL-24		874579.5403	1773723.3751	808.96	367-94.39	81.52 LT
25	BL-25		874610.7845	1773212.8302	789.11	372-88.65	59.72 RT
26	BL-26		874355.9453	1772725.2478	788.60	378-30.81	13.73 RT
27	BL-27		874134.5378	1772357.1562	766.95	382-59.78	6.75 RT
28	BL-28		873917.1142	1772000.5221	799.74	386-77.46	2.69 RT
29	BL-29		873649.7428	1771546.7416	809.82	392-04.13	5.48 RT
30	BL-30		873398.7895	1771133.7161	826.31	396-87.40	1.50 RT
31	BL-31		873137.8006	1770787.0425	837.00	401-18.83	45.09 LT
32	BL-32		873003.2319	1770500.0221	851.97	404-34.26	13.65 LT
33	BL-33		872737.8009	1770223.6153	843.39	409-74.39	2.40 RT
34	BL-34		872511.8288	1769848.6969	828.89	414-17.13	0.35 RT
35	BL-35		872247.7319	1769211.6483	820.09	419-27.77	2.61 LT
36	BL-36		872102.2322	1768966.9925	830.76	422-12.42	2.26 LT
37	BL-37		871803.0619	1768466.6630	803.10	427-95.37	2.93 LT
38	BL-38		871591.3426	1768106.6064	811.31	432-13.06	0.35 LT
39	BL-39		871425.5389	1767838.3743	846.81	435-28.32	5.72 LT
40	BL-40		871302.4349	1767640.8791	845.66	437-60.52	15.40 LT
41	BL-41		871035.4360	1767063.3046	848.93	443-96.19	0.51 RT
42	BL-42		870879.9347	1766681.5242	854.34	448-08.51	1.06 RT
43	BL-43		870700.9288	1766136.4040	849.37	453-82.60	3.98 RT
44	BL-44		870599.1996	1765754.3298	836.95	457-78.21	2.99 RT
45	BL-45		870409.4149	1765182.2756	816.58	463-61.15	4.67 RT
46	BL-46		870441.8808	1764793.8622	808.49	467-52.80	6.92 RT
47	BL-47		870408.0807	1764473.5987	784.40	470-74.89	1.20 LT
48	BL-48		870406.7451	1763829.3645	821.70	477-19.53	7.45 RT
49	BL-49		870422.5047	1763502.9046	812.44	480-46.72	7.10 RT
50	BL-50		870476.7311	1762906.7533	799.39	486-45.44	5.08 LT
51	BL-51		870586.5811	1762343.5284	754.29	493-16.19	26.29 LT
52	BL-52		870713.1556	1761846.0601	775.14	497-32.05	9.52 LT
53	BL-53		870843.1816	1761445.7413	791.73	501-52.70	10.42 LT
54	BL-54		870951.8875	1761129.7777	787.89	504-86.81	7.91 LT
55	BL-55		871131.0095	1760595.2989	798.68	510-50.53	7.98 LT
56	BL-56		871384.5153	1759864.6858	846.25	518-23.98	0.14 RT
257	BL-57	RESET	871518.3859	1759409.3585	855.45	522-98.12	0.95 RT
58	BL-58		871584.5755	1758906.1951	823.64	528-04.54	12.14 RT
59	BL-59		871576.1381	1758293.1183	832.91	534-16.92	12.09 RT
60	BL-60		871550.9115	1757699.9247	834.97	540-10.61	5.47 RT
61	BL-61		871540.8355	1757366.8267	837.59	543-43.86	5.85 RT
62	BL-62		871520.8623	1756752.9851	789.84	549-58.03	5.14 RT
153	U2524C	BL-53	871504.6070	1756411.6964	808.12	552-99.66	0.41 LT

BY5	POINT	DESC.	NORTH	EAST	ELEVATION	Y5 STATION	OFFSET
114		BY5-114	869721.5037	1766653.7990	866.52	10-56.59	14.27 LT
115		BY5-115	870137.4662	1766617.1899	864.89	14-72.17	14.52 LT
A42		BY5	870879.9347	1766581.5242	854.34	22-17.83	28.88 LT
116		BY5-116	871309.0235	1766707.1403	844.10	26-50.72	28.66 LT
117		BY5-117	871670.7653	1766629.7604	842.75	30-29.24	31.40 LT
118		BY5-118	871960.0660	1766541.6392	841.59	33-31.65	34.72 LT

BY5A	POINT	DESC.	NORTH	EAST	ELEVATION	Y5A STATION	OFFSET
119		BY5A-119	871829.6803	1766255.0173	836.74	10-58.63	23.34 RT
A117		BY5A	871670.7653	1766629.7604	842.75	14-48.14	64.47 RT

BY6	POINT	DESC.	NORTH	EAST	ELEVATION	Y6 STATION	OFFSET
5			868656.2023	1764434.4928	829.92	OUTSIDE PROJECT LIMITS	
120		BY6-120	869242.5202	1764488.8602	815.47	12-81.72	34.20 RT
6			869750.6863	1764543.1048	805.49	17-92.70	34.48 RT
A47		BY6	870879.9347	1764473.5987	784.40	24-51.85	31.78 LT
121		BY6-121	871071.9620	1764389.0750	781.14	31-19.15	39.73 RT
122		BY6-122	871688.2643	1764196.5984	767.98	37-64.81	42.39 RT

BY6A	POINT	DESC.	NORTH	EAST	ELEVATION	Y6A STATION	OFFSET
123		BY6A-123	869639.1992	1764124.3988	833.33	10-62.76	18.22 RT
A6		BY6A	869750.6863	1764543.1048	805.49	OUTSIDE PROJECT LIMITS	

BY7REV	POINT	DESC.	NORTH	EAST	ELEVATION	Y7 STATION	OFFSET
124		BY7-124	870443.3428	1758398.2184	872.81	10-68.49	28.45 LT
125		BY7-125	870771.6599	1758713.2827	862.24	15-19.47	26.85 LT
226		BY7-126 RESET	871108.0949	1759154.9897	850.88	20-70.42	31.50 RT
A257		BL-57 RESET	871518.3859	1759409.3585	855.45	25-51.45	25.97 LT
227		BY7-127 RESET	872049.5615	1759745.9219	844.26	31-80.29	25.88 LT
228		BY7-128 RESET	872464.4541	1760044.8634	836.26	36-86.39	30.68 LT
129		BY7-129	872865.3098	1760531.2553	828.32	43-14.14	27.13 LT

BY1	POINT	DESC.	NORTH	EAST	ELEVATION	Y1 STATION	OFFSET
101		BY1-101	874408.8496	1777458.6249	871.74	10-49.97	21.48 LT
102		BY1-102	874677.9237	1777493.9147	874.57	13-22.14	17.48 LT
103		BY1-103	874907.0672	1777503.5873	874.34	15-52.55	20.16 LT

BY1A	POINT	DESC.	NORTH	EAST	ELEVATION	Y1A STATION	OFFSET
104		BY1A-104	874932.8028	1776278.7335	846.92	11-28.94	16.14 RT
105		BY1A-105	874898.8267	1776816.9861	851.37	16-65.35	15.64 RT
A103		BY1A-103	874907.0672	1777503.5873	874.34	23-51.92	17.49 RT

BY2	POINT	DESC.	NORTH	EAST	ELEVATION	Y2 STATION	OFFSET
106		BY2-106	874422.3172	1776691.0829	847.26	10-92.00	23.73 LT
A18		BY2	874696.7810	1776768.6620	848.94	13-77.23	21.17 LT

BY3	POINT	DESC.	NORTH	EAST	ELEVATION	Y3 STATION	OFFSET
107		BY3-107	874403.7548	1773663.5084	809.53	10-92.73	23.78 RT
A24		BY3	874579.5403	1773723.3751	808.96	12-71.46	74.28 RT

BY4	POINT	DESC.	NORTH	EAST	ELEVATION	Y4 STATION	OFFSET
111		BY4-111	871360.7540	1770785.6846	868.48	10-58.90	16.42 LT
3			872233.4622	1770822.3803	847.96	19-31.82	16.41 RT
A31		BY4	873137.8006	1770787.0425	837.00	20-36.23	17.08 LT
4			873862.3304	1770787.0414	834.75	35-59.43	19.58 LT
112		BY4-112	874417.6890	1770951.8776	828.49	41-35.53	17.77 LT
113		BY4-113	874961.1331	1771178.9548	824.73	OUTSIDE PROJECT LIMITS	

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 SYSTEM) 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:
[HTTP://WWW.NCDOT.STATE.NC.US/PRECONSTRUCT/HIGHWAY/LOCATION/PROJECT/](http://www.ncdot.state.nc.us/preconstruct/highway/location/project/)

THE FILES TO BE FOUND ARE AS FOLLOWS:
 U2525C_LS_GPSCALIB_151229.HTML
 U2525C_LS_WGS84_151229.TXT
 U2525C_LS_LOCAL_151229.TXT
 U2525C_LS_CONTROL_151229.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 MONUMENTATION.

BENCHMARK DATA

BM1	ELEVATION - 855.74
N 873012	E 1780159
L STATION 297-96.00	240 LEFT
BM2	ELEVATION - 817.88
N 874479	E 1779151
L STATION 314-49.00	356 RIGHT
BM3	ELEVATION - 853.86
N 875011	E 1776909
L STATION 335-98.00	332 RIGHT
BM4	ELEVATION - 810.22
N 874409	E 1775336
L STATION 351-69.00	275 LEFT
BM5	ELEVATION - 761.79
N 874857	E 1773975
L STATION 365-24.00	174 RIGHT
BM6	ELEVATION - 765.66
N 874537	E 1772534
L STATION 379-09.00	264 RIGHT
BM7	ELEVATION - 853.84
N 872249	E 1771141
L STATION 402-69.00	990 LEFT
BM8	ELEVATION - 792.13
N 872444	E 1769076
L STATION 419-44.00	235 RIGHT
BM9	ELEVATION - 816.23
N 871806	E 1768034
L STATION 431-66.00	221 RIGHT
BM10	ELEVATION - 853.79
N 870420	E 1766450
L STATION 451-71.00	356 LEFT
BM11	ELEVATION - 768.97
N 870937	E 1764173
L STATION 473-65.00	539 RIGHT
BM12	ELEVATION - 755.56
N 870199	E 1761883
L STATION 495-58.00	493 LEFT
BM13	ELEVATION - 770.84
N 870711	E 1761182
L STATION 504-37.00	245 LEFT
BM14	ELEVATION - 803.34
N 871818	E 1755583
L STATION 532-00.00	247 RIGHT
BM15	ELEVATION - 799.89
N 871255	E 1755482