PROJECT REFERENCE NO.	SHEET NO.
U-2579B	1C-3
Location and Surveys	

SURVEY CONTROL SHEET U-2579B

FINAL

BL

POINT	DESC.	NORTH	EAST	ELEVATION	L STATION	OFFSET
13	BL-13	874480.5922	1657767.3061	859.16	473+26.06	0.07 LT
2	U2579B-2	874112.2770	1658607.1060	910.76	482+35.02	121.40 LT
14	BL-14	873813.1870	1658860.3820	933.23	486+06.78	2.69 RT
15	BL-15	873595.3100	1659209.9120	943.67	490+18.63	7.39 RT
16	BL-16	873341.9280	1659648.9150	911.40	495+25.38	4.04 LT
17	BL-17	873180.1780	1659901.4390	922.50	498+25.18	3.07 RT
18	BL-18	872875.7590	1660386.8370	896.12	503+98.08	11.17 RT
19	BL-19	872558.9160	1660922.8630	898.68	510+20.70	3.60 RT
20	BL-20	872234.7680	1661459.2620	940.28	516+47.44	2.08 RT
21	BL-21	872068.7040	1661733.8810	917.22	519+68.36	1.40 RT
22	BL-22	871920.0360	1661978.2870	887.72	522+54.43	1.53 RT
23	BL-23	871836.8190	1662112.5610	894.62	524+12.40	2.93 RT
24	BL-24	871634.4530	1662451.8220	881.20	528+07.41	0.30 LT
25	BL-25	871468.8120	1662719.2670	914.04	531+21.99	2.38 RT
26	BL-26	871276.9540	1663053.2350	938.30	535+07.03	7.08 LT
27	BL-27	871119.9440	1663302.1990	924.41	538+01.32	2.18 LT
28	BL-28	871031.0730	1663445.9460	918.87	539+70.32	0.87 LT
29	BL-29	870857.4860	1663735.1740	904.58	543+07.62	2.91 LT
30	BL-30	870579.1130	1664140.9280	925.42	547+99.82	3.22 RT
31	BL-31	870423.9050	1664375.8020	906.31	550+80.31	16.97 LT
32	BL-32	870230.7240	1664583.7180	889.05	553+63.34	4.52 LT
33	BL-33	870126.8150	1664746.5080	869.03	555+52.72	38.69 LT
34	BL-34	869934.3050	1664880.8090	847.26	557+82.99	3.15 RT
35	BL-35	869478.4310	1665275.8910	877.45	563+86.90	4.08 RT
36	BL-36	869135.0940	1665515.9770	887.39	568+06.44	10.89 RT
37	BL-37	868667.1750	1665805.7370	901.81	573+57.69	3.98 RT
38	BL-38	868112.2800	1665976.0620	936.79	579+36.90	88.31 RT
39	BL-39	867741.4220	1666381.6040	945.66	584+21.42	165.32 LT
40	BL-40	867297.1820	1665946.1350	955.28	587+33.01	376.59 RT
41	BL-41	866369.2240	1666133.1630	943.06	597+43.94	345.57 RT
42	BL-42	865540.7110	1666485.1420	899.27	606+00.05	0.35 RT
43	BL-43	865029.1770	1666467.8690	877.26	611+11.87	1.17 RT
44	BL-44	864347.1850	1666470.9430	852.86	617+93.39	23.83 LT
45	BL-45	864099.8880	1666471.0880	839.68	620+40.05	33.98 LT
46	BL-46	863878.8700	1666470.1900	861.93	622+60.26	45.16 LT
47	BL-47	863708.7170	1666437.2610	862.94	624+31.87	23.63 LT
48	BL-48	863420.4650	1666376.6100	824.44	627+23.99	13.57 RT
49	BL-49	862956.6260	1666344.9590	832.85	631+88.77	3.03 LT
50	BL-50	862783.5520	1666288.6850	848.29	633+67.62	31.50 RT
51	BL-51	862578.8310	1666211.5370	858.44	635+81.61	80.30 RT
52	BL-52	861914.1300	1666379.8520	893.60	642+08.60	192.49 LT
53	BL-53	861472.3289	1666069.6751	925.28	646+99.70	26.15 RT
54	BL-54	860906.9530	1666066.1526	934.37	652+51.91	95.07 LT
55	BL-55	860650.1377	1665903.7797	919.89	655+38.58	5.61 RT
56	BL-56	860035.6198	1665759.2873	872.09	661+69.99	7.40 RT
57	BL-57	859696.7794	1665682.7207	865.82	665+16.69	12.37 LT
58	BL-58	859452.5755	1665636.2271	840.15	667+60.65	50.79 LT
59	BL-59	859166.6533	1665570.3378	870.59	670+44.95	101.67 LT
60	BL-60	858773.4176	1665478.8068	892.61	674+24.40	199.39 LT
61	BL-61	858269.2881	1665453.6752	935.33	678+42.46	444.74 LT
62	BL-62	857921.3035	1665301.1740	921.71	682+14.73	512.82 LT

BY1

POINT	DESC.	NORTH	EAST	ELEVATION	Y1 STATION	OFFSET
500	BY1-500	876429.8630	1660600.3490	946.30	OUTSIDE PROJECT LIMITS	
400	U2589B-1	875565.1420	1659876.6410	919.53	13+57.45	24.24 LT
501	BY1-501	874918.7040	1659340.2020	893.07	21+97.42	49.83 LT
401	U2579B-2	874112.2770	1658607.1060	910.76	32+86.76	3.62 LT
502	BY1-502	873045.7120	1657721.3990	890.65	46+73.25	2.60 LT
503	BY1-503	872130.2030	1657007.9340	880.69	58+33.62	20.74 LT

BY2

POINT	DESC.	NORTH	EAST	ELEVATION	L STATION	OFFSET
504	BY2-504	873970.8370	1659904.2090	946.14	494+16.98	674.07 LT
402	BL-15	873595.3100	1659209.9120	943.67	490+18.63	7.39 RT
505	BY2-505	872636.6880	1658350.9080	914.30	487+82.31	1272.69 RT
506	BY2-506	872492.7960	1657372.5070	865.09	480+20.88	1903.72 RT

BY3

POINT	DESC.	NORTH	EAST	ELEVATION	Y2 STATION	OFFSET
507	BY3-507	873877.6100	1662029.3370	955.77	OUTSIDE PROJECT LIMITS	
508	BY3-508	872631.2110	1661856.2270	942.11	14+64.15	37.15 LT
403	BL-20	872234.7680	1661459.2620	940.28	20+17.19	15.98 LT
509	BY3-509	871757.6910	1660888.5350	943.28	27+57.36	22.97 RT
510	BY3-510	870936.2960	1660560.7650	939.83	OUTSIDE PROJECT LIMITS	

BY3B

POINT	DESC.	NORTH	EAST	ELEVATION	Y2 STATION	OFFSET
511	BY3B-511	871524.0940	1660844.5770	941.06	29+86.66	40.20 LT
429	BY3-509	871757.6910	1660888.5350	943.28	27+57.36	22.97 RT

BY4

POINT	DESC.	NORTH	EAST	ELEVATION	L STATION	OFFSET
512	BY4-512	873506.9080	1662409.8550	940.43	517+99.23	1578.72 LT
513	BY4-513	872140.4100	1663143.4860	925.25	531+35.78	791.86 LT
405	BL-26	871276.9540	1663053.2350	938.30	535+07.03	7.08 LT
514	BY4-514	870723.5810	1663184.3930	925.15	539+06.47	397.73 RT

BY5

POINT	DESC.	NORTH	EAST	ELEVATION	L STATION	OFFSET
515	BY5-515	870261.1110	1664994.0960	859.34	556+34.62	307.43 LT
406	BL-31	870423.9050	1664375.8020	906.31	550+80.31	16.97 LT
516	BY5-516	870477.2190	1664080.7170	917.60	548+11.59	121.00 RT

BY6

POINT	DESC.	NORTH	EAST	ELEVATION	L STATION	OFFSET
517	BY6-517	869299.4550	1665782.3150	904.12	568+17.44	301.88 LT
407	BL-37	868667.1750	1665805.7370	901.81	573+57.69	3.98 RT

BY7

POINT	DESC.	NORTH	EAST	ELEVATION	Y2A STATION	OFFSET
518	BY7-518	868682.7900	1667450.8110	956.27	OUTSIDE PROJECT LIMITS	
408	U2579B-3	868184.5930	1666923.1750	947.62	OUTSIDE PROJECT LIMITS	
409	BL-39	867741.4220	1666381.6040	945.66	16+69.77	85.23 LT
519	BY7-519	867593.9210	1665530.1410	937.99	25+24.97	26.99 LT
520	BY7-520	867671.0010	1664962.5010	924.54	OUTSIDE PROJECT LIMITS	

BY8

POINT	DESC.	NORTH	EAST	ELEVATION	L STATION	OFFSET
410	BY7-520	867671.0010	1664962.5010	924.54	579+61.51	1193.55 RT
521	BY8-521	869249.1820	1664996.6180	905.01	563+96.28	365.28 RT

BY9

POINT	DESC.	NORTH	EAST	ELEVATION	SRR STATION	OFFSET
411	BL-39	867741.4220	1666381.6040	945.66	33+47.27	17.73 LT
522	BY9-522	867201.0230	1665364.1180	946.89	44+98.38	11.20 LT
523	BY9-523	867069.0160	1664859.5140	942.01	50+18.56	10.60 LT

BY10

POINT	DESC.	NORTH	EAST	ELEVATION	Y3 STATION	OFFSET
524	BY10-524	868746.6600	1668213.0310	950.36	OUTSIDE PROJECT LIMITS	
525	BY10-525	868154.3950	1667362.2930	949.30	10+36.29	56.31 LT
412	BL-39	867741.4220	1666381.6040	945.66	20+94.83	52.29 RT
526	BY10-526	867154.5320	1665453.1690	949.64	31+89.63	21.48 LT
527	BY10-527	866984.8150	1664726.9800	939.05	39+32.39	18.31 LT

BY10C

POINT	DESC.	NORTH	EAST	ELEVATION	L STATION	OFFSET
528	BY10C-528	867958.2570	1667039.3110	939.95	584+15.47	857.82 LT
413	BL-39	867741.4220	1666381.6040	945.66	584+21.42	165.32 LT

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 WORKWITHIN 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:*
   HTTP://WWW.NCDOT.ORG/DOH/PRECONSTRUCT/HIGHWAY/LOCATION/PROJECT/

   THE FILES TO BE FOUND ARE AS FOLLOWS:
   U2579B_LS_GPSCALIB_071217.HTML
   U2579B_LS_WGS84_071217.TXT
   U2579B_LS_LOCAL_071217.TXT
   U2579B_LS_CONTROL_071217.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.

NOTE: DRAWING NOT TO SCALE

DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCDOT FOR MONUMENT "U2579C-1"
WITH NAD 83/95 STATE PLANE GRID COORDINATES OF
NORTHING: 876419.285(ft) EASTING: 1651591.602(ft)
THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.99995453
THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "U2579C-1" TO -L- STATION 478+00.00 IS
S 71°38'00" E 6933.9132
ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES
VERTICAL DATUM USED IS NAVD 88

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