SURVEY CONTROL SHEET U-2579B

FINAL

BY10D

POINT	DESC.	NORTH	EAST	ELEVATION	L STATION	OFFSET
529	BY10D-529	866890.7600	1665115.8010	946.98	589+70.43	1278.65 RT
414	BY10-526	867154.5320	1665453.1690	949.64	587+49.64	889.57 RT

BY11

POINT	DESC.	NORTH	EAST	ELEVATION	L STATION	OFFSET
531	BY11-531	864467.4530	1666904.1690	883.83	616+59.28	452.96 LT
530	BY11-530	864318.0230	1666601.0320	862.75	618+18.03	154.83 LT
415	BL-44	864347.1850	1666470.9430	852.86	617+93.39	23.83 LT

BY12

POINT	DESC.	NORTH	EAST	ELEVATION	L STATION	OFFSET
532	BY12-532	863832.5420	1666898.1940	876.52	622+79.68	475.21 LT
416	BL-46	863878.8700	1666470.1900	861.93	622+60.26	45.16 LT
533	BY12-533	863802.7380	1666255.6600	857.73	623+50.31	164.05 RT

BY13

POINT	DESC.	NORTH	EAST	ELEVATION	L STATION	OFFSET
417	BL-49	862956.6260	1666344.9590	832.85	631+88.77	3.03 LT
534	BY13-534	863085.9790	1666097.1000	851.98	630+87.91	258.03 RT
535	BY13-535	863036.9340	1665764.2920	869.64	631+76.97	583.05 RT
537	BY13-537	862847.8980	1665373.6200	905.34	634+24.74	947.15 RT

BY14

POINT	DESC.	NORTH	EAST	ELEVATION	L STATION	OFFSET
418	BL-51	862578.8310	1666211.5370	858.44	635+81.61	80.30 RT
536	BY14-536	862629.4630	1665760.3960	880.62	635+95.78	534.07 RT

BY15

POINT	DESC.	NORTH	EAST	ELEVATION	Y4WB STATION	OFFSET
419	BY13-537	862847.8980	1665373.6200	905.34	100+02.94	878.79 RT
538	BY15-538	862013.4480	1665775.6380	889.41	95+37.57	77.95 RT
539	BY15-539	862048.5470	1665285.3270	900.48	100+29.12	75.00 RT
540	BY15-540	862136.1110	1664523.5220	872.27	107+95.42	103.37 RT
541	BY15-541	862159.9890	1663843.0320	907.62	114+75.72	74.53 RT
542	BY15-542	862274.5570	1662769.5400	895.75	125+54.85	105.70 RT
420	BY17-559	862260.3430	1662528.1310	898.66	127+94.44	72.85 RT

BY15A

POINT	DESC.	NORTH	EAST	ELEVATION	Y4WB STATION	OFFSET
421	BY15-540	862136.1110	1664523.5220	872.27	107+95.42	103.37 RT
543	BY15A-543	862241.0400	1664301.0870	887.99	110+25.30	190.77 RT

BY15B

POINT	DESC.	NORTH	EAST	ELEVATION	Y4WB STATION	OFFSET
422	BY15-542	862274.5570	1662769.5400	895.75	125+54.85	105.70 RT
544	BY15B-544	862261.7170	1663673.7090	908.06	116+52.40	162.85 RT

BY16

POINT	DESC.	NORTH	EAST	ELEVATION	Y4WB STATION	OFFSET
5	U2579B-5	861341.2660	1673030.7850	918.90	22+52.16	30.91 LT
6	U2579B-6	861435.2090	1671817.3030	891.85	34+69.27	31.13 LT
545	BY16-545	861531.5670	1670683.4880	860.50	46+07.14	22.78 LT
546	BY16-546	861616.8460	1669575.7410	850.59	57+18.17	23.46 LT
547	BY16-547	861728.7350	1668130.4650	875.65	71+67.77	23.73 LT
7	U2579B-7	861818.7420	1666875.7630	893.30	84+25.67	31.06 LT
133	BL-52	861914.1300	1666379.8520	893.60	89+27.48	25.67 RT
8	U2579B-8	861955.1850	1665179.3440	884.85	101+27.56	26.28 LT
548	BY16-548	862036.7340	1664165.1230	889.03	111+45.05	23.44 LT
549	BY16-549	862152.4420	1663289.1930	895.45	120+27.31	24.15 RT
550	BY16-550	862172.8450	1662390.6940	872.67	129+24.70	25.02 LT
551	BY16-551	862249.0870	1661414.2780	832.76	139+04.08	24.55 LT
9	U2579B-9	862298.5420	1660695.1610	821.23	146+24.87	30.88 LT
10	U2579B-10	862393.8810	1659454.5370	836.07	OUTSIDE PROJECT LIMITS	

BY17

POINT	DESC.	NORTH	EAST	ELEVATION	Y5 STATION	OFFSET
552	BY17-552	860346.5342	1667955.8719	929.51	OUTSIDE PROJECT LIMITS	
553	BY17-553	860538.5346	1667421.6769	935.94	13+51.50	25.23 RT
554	BY17-554	860684.2984	1666736.5504	941.16	20+50.42	21.21 LT
423	BL-54	860906.9530	1666066.1526	934.37	27+55.06	26.07 RT
555	BY17-555	861000.6910	1665374.5580	923.08	34+51.21	18.22 LT
556	BY17-556	861259.3690	1664179.7680	927.10	OUTSIDE PROJECT LIMITS	
557	BY17-557	861349.1760	1663433.4920	914.70	OUTSIDE PROJECT LIMITS	
558	BY17-558	861624.9800	1662811.0040	899.76	OUTSIDE PROJECT LIMITS	
559	BY17-559	862260.3430	1662528.1310	898.66	OUTSIDE PROJECT LIMITS	
560	BY17-560	862589.5820	1662386.3650	881.81	OUTSIDE PROJECT LIMITS	
561	BY17-561	862879.8960	1662103.3270	855.77	OUTSIDE PROJECT LIMITS	

BY18

POINT	DESC.	NORTH	EAST	ELEVATION	Y5 STATION	OFFSET
424	BY17-553	860538.5346	1667421.6769	935.94	13+51.50	25.23 RT
562	BY18-562	860885.4838	1667404.8146	937.71	14+62.27	354.46 RT
563	BY18-563	861414.6149	1667510.7937	898.33	15+04.48	892.44 RT
564	BY18-564	861426.0247	1668207.0326	879.86	OUTSIDE PROJECT LIMITS	

BY18A

POINT	DESC.	NORTH	EAST	ELEVATION	Y5 STATION	OFFSET
425	BY18-562	860885.4838	1667404.8146	937.71	14+62.27	354.46 RT
565	BY18A-565	861003.7781	1667499.0310	926.65	14+03.85	493.95 RT

BY19

POINT	DESC.	NORTH	EAST	ELEVATION	L STATION	OFFSET
566	BY19-566	860784.0110	1664251.2450	905.20	657+78.53	1646.10 RT
426	BY17-556	861259.3690	1664179.7680	927.10	653+31.29	1822.31 RT

BY20

POINT	DESC.	NORTH	EAST	ELEVATION	L STATION	OFFSET
427	BY17-556	861259.3690	1664179.7680	927.10	653+31.29	1822.31 RT
567	BY20-567	861723.0500	1663959.2160	913.19	649+24.02	2141.15 RT

BY21

POINT	DESC.	NORTH	EAST	ELEVATION	Y4EB STATION	OFFSET
568	BY21-568	861499.7550	1662484.6960	868.91	127+78.90	634.82 LT
428	BY17-558	861624.9800	1662811.0040	899.76	124+63.26	484.73 LT

BM+1 ELEVATION = 884.23
R/R SPIKE SET IN BASE OF 18" OAK,
27' OFF OF WEST EP OF OLD BELEWS
CREEK RD.
N 872364 E 1656715
Y1 STATION 58+42 354 RIGHT

BM+2 ELEVATION = 942.32
R/R SPIKE SET IN ROOT OF 28" FORKED
MAPLE 17' OFF OF NORTH EP OF US-158
N 876236 E 1660360
Y1 STATION 10+00
N 35° 38' 34.2" E DIST 468.59

BM+3 ELEVATION = 953.40
R/R SPIKE SET IN CONC. CURB AND
GUTTER AT ENTRANCE TO GOSPEL
LIGHT BAPTIST CHURCH 14' OFF OF
WEST EP OF WALKERTOWN-GUTHRIE RD.
N 873632 E 1661924
L STATION 513+19 1433 LEFT

BM+4 ELEVATION = 935.13
R/R SPIKE SET IN BASE OF 24' OAK
12' OFF OF WEST EP OF MORRIS RD.
N 872942 E 1662678
L STATION 523+22 1235 LEFT

BM+5 ELEVATION = 866.68
R/R SPIKE SET IN BASE OF 42" FORKED
OAK 19' OFF OF NORTH EP OF WESTN
LAKE TRAIL
N 870288 E 1665137
L STATION 557+12 427 LEFT

BM+6 ELEVATION = 900.49
R/R SPIKE SET IN BASE OF 18" OAK
38' OFF OF NORTH EP OF ROBBINS
PERCH TRAIL
N 869271 E 1665048
L STATION 564+11 311 RIGHT

BM+7 ELEVATION = 956.89
SE PAINTED BOLT IN R/R CROSS BAR
ON WEST SIDE OF BAGLEY RD. @
INTERSECTION W/ WEST MOUNTAIN ST.
N 868295 E 1667303
SRR STATION 22+73 21 RIGHT

BM+8 ELEVATION = 881.42
R/R SPIKE SET IN BASE OF 24" BURCH
24' OFF OF NORTH EP OF REGENTS PARK RD.
N 864512 E 1666936
L STATION 616+14 483 LEFT

BM+9 ELEVATION = 899.76
R/R SPIKE SET IN PAVEMENT OF
RACHEL ST. -BY14- @ INTERSECTION
OF GERRY RD.
N 862500 E 1665571
L STATION 637+58 702 RIGHT

BM+10 ELEVATION =935.89
R/R SPIKE SET IN ROOT OF 30" WILLOW
OAK 10' OFF OF EAST EP OF HASTINS
HILL RD.
N 860489 E 1667600
Y5 STATION 11+66 26 RIGHT

NOTES:

1. *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 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.

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

NOTE: DRAWING NOT TO SCALE

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