

SURVEY CONTROL SHEET U-2579C

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TYPE	STATION	NORTH	EAST
POT	369.00.00	878966.6745	1648659.6288
PC	380.26.43	878215.1164	1649498.6799
PT	410.06.22	876438.9995	1651886.1818
TS	417.61.30	876045.1314	1652530.3984
SC	420.61.30	875891.4458	1652788.0265
CS	441.77.34	875300.0298	1654800.3025
ST	444.77.34	875289.8808	1655100.1166
TS	448.86.48	875280.4891	1655509.1473
SC	453.06.48	875260.6161	1655928.5769
CS	463.87.62	874958.9745	1656960.1431
ST	468.07.62	874749.7465	1657324.2031
POT	478.00.00	874234.4275	1658172.2973

Y1RPB

TYPE	STATION	NORTH	EAST
CS	10.00.00	877835.8305	1650029.8566
SC	12.40.00	877687.7044	1650218.6288
CS	22.47.50	877333.4398	1651149.8506
SRS	24.87.50	877318.0538	1651389.3165
SC	27.27.50	877296.9566	1651628.1971
PT	31.49.41	877129.7873	1652011.3753
POT	33.09.41	877033.4969	1652139.1569

Y2DET

TYPE	STATION	NORTH	EAST
POT	10.00.00	874174.9242	1655132.1447
PC	15.00.00	874667.1130	1655220.1798
PRC	17.50.83	874894.8079	1655319.7639
PT	20.01.66	875122.5027	1655419.3480
PC	23.01.66	875417.8160	1655472.1691
PRC	25.52.48	875665.9129	1655457.6874
PT	28.03.31	875914.0099	1655443.2057
POT	28.44.94	875954.9887	1655450.5354

Y1

TYPE	STATION	NORTH	EAST
POT	10.00.00	874741.2889	1651007.6977
PC	12.95.90	875019.3207	1651108.9743
PT	48.58.29	878049.8100	1652938.8597
POT	50.01.83	878156.0846	1653035.3402

Y1RPC

TYPE	STATION	NORTH	EAST
POT	10.00.00	877660.0453	1650058.1642
TS	14.08.00	877381.2148	1650356.0191
SC	16.48.00	877212.4781	1650526.5854
CS	21.17.08	876820.2603	1650780.1295
SRS	23.57.08	876595.4561	1650863.9626
SC	25.97.08	876372.6226	1650952.4822
PT	31.63.36	875994.3259	1651358.7181
POT	33.16.49	875934.0610	1651499.4869

Y3

TYPE	STATION	NORTH	EAST
POT	10.00.00	878606.2139	1647628.4038
PC	24.14.77	879194.4304	1648915.0972
PT	34.29.84	879359.3641	1649904.7980

Y1DET

TYPE	STATION	NORTH	EAST
POT	10.00.00	876296.7035	1651573.3343
PC	11.65.00	876451.3885	1651630.7587
PT	15.63.31	876802.1306	1651817.0466
PC	22.38.90	877351.5833	1652210.1421
PRC	29.50.71	877857.7175	1652706.6018
PT	33.97.69	878157.7969	1653036.9158
POT	34.26.59	878179.2134	1653056.3205

Y1RPD

TYPE	STATION	NORTH	EAST
POT	10.00.00	875443.1529	1653675.9171
TS	15.80.00	875615.1016	1653121.9914
SC	18.20.00	875681.5253	1652891.4085
CS	22.07.75	875735.5541	1652508.0815
SRS	24.47.75	875735.4519	1652268.1219
SC	26.87.75	875742.1247	1652028.4431
PT	29.16.62	875801.8615	1651808.2828
POT	32.52.52	875934.0610	1651499.4869

Y4

TYPE	STATION	NORTH	EAST
POT	10.00.00	878738.4659	1648506.1882
PC	11.19.74	878857.5857	1648494.0464
PT	12.43.35	878976.0304	1648460.8490
POT	12.53.12	878984.8472	1648456.6447

Y1LPB

TYPE	STATION	NORTH	EAST
CS	10.00.00	876625.7249	1651697.7880
SC	12.10.00	876759.1306	1651537.3571
CS	18.92.00	877194.8862	1651831.0355
ST	21.02.00	877096.6283	1652015.1471
POT	22.40.11	877016.9356	1652127.9444

Y2

TYPE	STATION	NORTH	EAST
POT	9.00.00	874076.4864	1655114.5377
TS	28.08.31	875954.9886	1655450.5354
SC	29.04.31	876049.5940	1655466.8303
CS	31.44.90	876288.6430	1655493.0887
ST	32.40.90	876384.5297	1655497.7184
POT	33.78.30	876521.8177	1655503.4632

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 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:
[HTTPS://CONNECT.NCDOT.GOV/RESOURCES/LOCATION/](https://connect.ncdot.gov/resources/location/)
 THE FILES TO BE FOUND ARE AS FOLLOWS:
 U2579C_LS_GPSCALIB.HTML
 U2579C_LS_WGS84.TXT
 U2579C_LS_LOCAL.TXT
 U2579C_LS_CONTROL.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.

▲ 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.
 NETWORK ESTABLISHED FROM EXISTING HARN MONUMENTATION
 SEE GPS CALIBRATION SHEET FOR HORIZONTAL AND VERTICAL COORDINATE VALUES.

DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCGS FOR MONUMENT "U2579C-1"
 WITH NAD 83/95 STATE PLANE GRID COORDINATES OF
 NORTHING: 876419.285(++) EASTING: 1651591.602(++)
 ELEVATION: 976.94(++)
 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 390+00.00 IS
 N 49°00'53.54" 3884.0262'
 ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES
 VERTICAL DATUM USED IS NAVD 88

07-AUG-2017 15:06
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