

SURVEY CONTROL SHEET U-2579C

PROJECT REFERENCE NO.	SHEET NO.
U-2579C	1C-5
Location and Surveys	

ROW MARKER CONCRETE OR GRANITE-E

ALIGN	STATION	OFFSET	NORTH	EAST
L	364+23.65	-240.00	879463.2656	1648464.9374
L	364+65.20	232.03	879083.9416	1648180.9486
L	364+86.84	255.00	879052.3903	1648181.7420
L	368+01.17	255.00	878842.6689	1648415.8781
L	370+15.52	-240.00	879068.3673	1648905.8080
L	369+63.43	255.00	878734.4118	1648536.7380
L	370+53.05	-240.00	879043.3314	1648933.7584
L	374+00.00	255.00	878443.1296	1648861.9300
L	380+26.43	317.00	877978.9913	1649287.1760
L	380+26.43	-240.00	878393.8866	1649658.8087
L	383+72.00	-205.00	878142.8279	1649892.0250
L	413+14.00	-180.00	876432.0269	1652242.6626
L	414+88.00	-180.00	876341.2644	1652391.1152
L	416+50.00	-230.00	876299.4201	1652555.4108
L	417+61.30	-230.00	876241.3634	1652650.3693
L	420+61.30	-230.00	876091.4889	1652901.5289
L	423+35.00	-307.00	876039.1012	1653165.2948
L	423+60.00	-255.00	875982.0751	1653163.5931
L	424+13.74	-340.00	876037.1406	1653245.5592
L	424+30.97	-304.68	875998.3575	1653245.1078
L	424+65.28	-232.51	875919.2932	1653244.2324
L	426+00.00	-200.00	875837.9402	1653348.7251
L	432+50.00	-200.00	875637.7388	1653936.7698
L	441+77.34	-200.00	875499.7207	1654811.4170
L	441+77.34	200.00	875100.3388	1654789.1881
L	444+77.34	-200.00	875489.8281	1655104.7075
L	444+77.34	200.00	875089.9335	1655095.5257
L	446+34.35	200.00	875086.3293	1655252.4964
L	446+69.30	-200.00	875485.4216	1655296.6212
L	447+19.36	200.00	875084.3780	1655337.4805
L	447+81.46	-200.00	875482.8470	1655408.7525
L	448+86.48	200.00	875080.5418	1655504.5564
L	448+86.48	-200.00	875480.4364	1655513.7383
L	450+18.00	-200.00	875477.0648	1655646.6547
L	451+00.00	-280.00	875553.9969	1655734.2967
L	453+06.48	219.51	875042.1191	1655907.5124
L	453+06.48	-276.76	875536.0979	1655955.1449
L	454+00.00	-280.00	875527.8083	1656057.4473
L	460+00.00	-240.00	875338.1348	1656683.7302
L	460+00.00	250.00	874875.8224	1656521.3505
L	463+87.62	-200.00	875137.0309	1657051.2251
L	463+87.62	227.48	874756.4532	1656856.5464
L	468+07.62	200.00	874578.8252	1657220.3479
L	468+07.62	-200.00	874920.6678	1657428.0583
L	468+80.00	-200.00	874883.0828	1657489.9144
L	469+03.00	-158.00	874835.2459	1657487.7608
L	469+78.00	-200.00	874832.1937	1657573.6659
L	470+63.40	200.00	874446.0043	1657438.9399
L	474+25.90	-200.00	874599.6092	1657956.4454

ROW MARKER CONCRETE OR GRANITE-E

ALIGN	STATION	OFFSET	NORTH	EAST
Y1	10+50.00	50.00	874771.1559	1651071.7910
Y1	10+50.00	70.00	874764.3107	1651090.5831
Y1	13+00.00	70.00	874999.1821	1651176.1390
Y1	13+00.00	-65.00	875045.4442	1651049.3131
Y1	13+00.00	-50.00	875040.3042	1651063.4040
Y1	16+24.80	85.69	875294.0807	1651306.4645
Y1	16+56.76	-68.65	875381.8820	1651175.5781
Y1	18+75.00	90.00	875520.7668	1651406.6477
Y1	20+65.00	-90.00	875767.8779	1651320.4422
Y1	20+75.00	90.00	875701.3283	1651487.9867
Y1	32+15.00	120.00	876677.4983	1652050.4983
Y1	37+25.00	-180.00	877269.5885	1652083.5779
Y1	38+00.00	100.00	877168.7932	1652355.4475
Y1	38+00.00	-120.00	877296.9651	1652176.6404
Y1	44+50.00	80.00	877690.4252	1652732.7913
Y1	44+50.00	-70.00	877786.2158	1652617.3611
Y1	46+50.00	47.65	877862.7969	1652836.6126

ROW MARKER CONCRETE OR GRANITE-E

ALIGN	STATION	OFFSET	NORTH	EAST
Y2	10+00.00	42.00	874167.5293	1655173.4886
Y2	10+00.00	29.69	874169.6965	1655161.3721
Y2	10+00.00	-42.00	874182.3192	1655090.8009
Y2	10+00.00	-30.31	874180.2607	1655102.3094
Y2	17+00.00	42.00	874856.5935	1655296.7379
Y2	18+25.00	-42.00	874994.4307	1655236.0590
Y2	25+30.00	42.00	875673.6270	1655442.8763
Y2	25+30.00	-57.00	875691.0580	1655345.4229
Y2	25+74.14	-54.87	875734.1332	1655355.2922
Y2	26+35.91	-50.00	875794.0808	1655370.9611
Y2	26+50.00	-31.25	875804.6489	1655391.9024
Y2	26+50.00	-50.00	875807.9507	1655373.4420
Y2	26+53.67	30.07	875797.4654	1655452.9073
Y2	26+53.67	42.00	875795.3649	1655464.6509

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

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.