

SURVEY CONTROL SHEET U-2579C

PROJECT REFERENCE NO.	SHEET NO.
U-2579C	1C-6
Location and Surveys	

ROW MARKER CONCRETE OR GRANITE-E

ALIGN	STATION	OFFSET	NORTH	EAST
Y1RPB	10+00.00	-206.00	877994.6104	1650161.1005
Y1RPB	12+40.00	-170.00	877825.8802	1650317.6615
Y1RPB	16+50.00	-120.00	877595.4996	1650622.4522
Y1RPB	22+47.50	-169.00	877501.5057	1651167.5948
Y1RPB	24+87.50	-144.00	877461.9167	1651395.5994
Y1RPB	27+27.50	-123.00	877418.0354	1651649.8517
Y1RPB	29+75.00	-165.00	877369.0710	1651934.8809

ROW MARKER CONCRETE OR GRANITE-E

ALIGN	STATION	OFFSET	NORTH	EAST
Y1RPC	10+00.00	206.00	877509.6578	1649917.3821
Y1RPC	14+08.00	160.00	877264.4089	1650246.6737
Y1RPC	16+48.00	160.00	877105.1110	1650407.9587
Y1RPC	21+17.08	160.00	876756.1724	1650633.5255
Y1RPC	23+57.08	140.00	876550.1751	1650731.4876
Y1RPC	25+97.08	120.00	876317.6674	1650845.8054
Y1RPC	31+25.00	120.00	875902.2564	1651271.4836

ROW MARKER CONCRETE OR GRANITE-E

ALIGN	STATION	OFFSET	NORTH	EAST
Y1RPD	10+00.00	-141.00	875308.4917	1653634.1158
Y1RPD	14+42.00	-132.62	875447.5343	1653214.4714
Y1RPD	15+80.00	-130.00	875490.9458	1653083.4512
Y1RPD	18+20.00	-120.00	875564.9491	1652862.9484
Y1RPD	22+07.75	-120.00	875615.6530	1652503.2108
Y1RPD	24+47.75	-155.00	875580.4859	1652271.3671
Y1RPD	26+87.75	-140.00	875603.2241	1652010.9326
Y1RPD	29+16.62	-120.00	875691.5458	1651761.0552
Y1RPD	30+68.00	-120.00	875751.1245	1651621.8894

ROW MARKER CONCRETE OR GRANITE-E

ALIGN	STATION	OFFSET	NORTH	EAST
SRSA	10+00.00	-35.00	875255.8513	1653186.9249
SRSA	10+00.00	40.00	875253.7619	1653261.8958
SRSA	12+27.64	40.00	875326.5710	1653369.6016
SRSA	27+92.06	40.00	875027.0730	1654911.2664
SRSA	28+97.00	40.00	875023.9571	1655161.1621
SRSA	30+69.75	40.00	874993.4909	1655105.4288
SRSA	31+27.42	66.22	874909.6399	1655220.8929

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.