

SURVEY CONTROL SHEET U-2579C

ROW MARKER PERMANENT EASEMENT-E

ALIGN	STATION	OFFSET	NORTH	EAST
L	378+87.00	-266.00	878506.2820	1649572.2973
L	378+87.00	-240.00	878486.9152	1649554.9500
L	380+43.00	-265.00	878401.6382	1649687.6368
L	380+66.00	-236.36	878365.1901	1649685.4608
L	385+41.00	277.82	877665.2086	1649708.5137
L	385+41.00	302.00	877646.7002	1649692.9537
L	386+50.00	298.00	877578.6280	1649700.7134
L	386+76.00	270.29	877583.1004	1649818.7590
L	446+08.56	200.00	875086.9203	1655226.7117
L	446+34.00	-200.00	875486.2319	1655261.3292

ROW MARKER PERMANENT EASEMENT-E

ALIGN	STATION	OFFSET	NORTH	EAST
Y1	37+24.29	-210.00	877286.2751	1652058.6364
Y1	37+34.50	-210.00	877294.8076	1652064.6539
Y1	42+25.00	-168.69	877274.7256	1652101.0406
Y1	41+94.00	93.33	877484.6865	1652583.9618
Y1	42+06.00	160.00	877452.8291	1652643.7169
Y1	42+25.00	92.09	877509.5702	1652601.9625
Y1	42+36.00	155.00	877479.0778	1652658.0490
Y1	43+77.50	84.50	877632.0958	1652690.5964
Y1	44+15.50	87.00	877659.6165	1652716.4043
Y1	44+19.00	98.00	877655.2962	1652727.0973
Y1	44+23.50	86.00	877666.3676	1652720.6731
Y1	44+27.00	95.50	877662.9933	1652730.2059
Y1	46+62.00	-52.11	877937.2719	1652769.1620
Y1	46+62.00	-96.00	877966.0728	1652736.0421
Y1	46+68.50	67.00	877863.9810	1652863.2767
Y1	46+68.50	59.00	877869.2348	1652857.2437
Y1	46+71.50	-51.91	877944.3470	1652775.5851
Y1	46+71.50	-96.00	877973.3131	1652742.3448
Y1	46+76.50	67.00	877869.9678	1652868.4948
Y1	46+76.50	58.50	877875.5555	1652862.0896
Y1	46+98.00	48.61	877898.1570	1652868.7139
Y1	48+28.50	-61.00	878068.5766	1652873.5746
Y1	48+31.00	-50.04	878063.1028	1652883.3965
Y1	48+37.00	-63.00	878076.2686	1652877.8244
Y1	48+40.00	-50.02	878069.8027	1652889.4789

ROW MARKER PERMANENT EASEMENT-E

ALIGN	STATION	OFFSET	NORTH	EAST
Y1RPD	24+81.00	-151.38	875583.4317	1652237.6273
Y1RPD	25+62.24	-172.41	875561.9266	1652151.5174
Y1RPD	26+00.00	-170.00	875565.3750	1652109.4498
Y1RPD	26+20.00	-139.91	875596.4685	1652088.3084

ROW MARKER PERMANENT EASEMENT-E

ALIGN	STATION	OFFSET	NORTH	EAST
SRSA	22+40.00	40.00	875075.3729	1654357.0344
SRSA	22+40.00	70.00	875045.6841	1654352.7246
SRSA	22+90.00	40.00	875068.3891	1654406.9628
SRSA	22+90.00	70.00	875038.6572	1654402.9610

ROW MARKER PERMANENT EASEMENT-E

ALIGN	STATION	OFFSET	NORTH	EAST
Y2	8+93.00	-65.00	874081.0403	1655049.3207
Y2	8+98.00	-30.41	874079.8724	1655084.2479
Y2	9+02.00	-66.00	874090.0758	1655049.9209
Y2	9+07.00	-30.40	874088.7302	1655085.8416
Y2	9+47.00	29.64	874117.5337	1655151.9882
Y2	9+51.00	53.00	874117.3577	1655175.6903
Y2	10+80.00	70.00	874241.3493	1655215.1378
Y2	10+80.00	60.00	874243.1100	1655205.2941
Y2	10+87.50	71.00	874248.5560	1655217.4427
Y2	10+87.50	60.50	874250.4048	1655207.1068
Y2	11+92.00	50.00	874355.1209	1655215.1702
Y2	12+76.00	61.00	874435.8719	1655240.7882
Y2	12+77.00	71.00	874435.0956	1655250.8081
Y2	12+84.00	60.50	874443.8349	1655241.7046
Y2	12+85.50	70.00	874443.6388	1655251.3203
Y2	16+92.00	64.00	874844.8448	1655316.9866
Y2	16+94.00	74.50	874844.9648	1655327.6747
Y2	17+00.00	62.50	874852.9839	1655316.9186
Y2	17+02.00	73.00	874853.1039	1655327.6067
Y2	17+45.07	42.00	874900.9569	1655304.6729
Y2	18+58.53	-42.00	875027.4401	1655241.9632
Y2	26+45.26	42.00	875787.0863	1655463.1701
Y2	26+48.81	76.61	875784.4870	1655497.8645
Y2	26+57.14	75.75	875792.8383	1655498.4846
Y2	26+65.00	-58.50	875824.2130	1655367.7158
Y2	28+39.00	-31.10	875990.6129	1655425.2978
Y2	28+39.00	-53.00	875994.4271	1655403.7281

ROW MARKER PERMANENT EASEMENT-E

ALIGN	STATION	OFFSET	NORTH	EAST
Y1RPC	10+70.00	198.11	877467.5758	1649973.8736
Y1RPC	10+79.00	230.00	877438.1477	1649958.6532
Y1RPC	11+10.00	193.60	877443.5324	1650006.1576
Y1RPC	11+20.00	225.00	877413.7782	1649992.0017
Y1RPC	12+42.00	178.72	877364.1884	1650112.6943
Y1RPC	12+46.00	215.00	877334.9691	1650090.8204
Y1RPC	13+46.00	207.00	877272.4685	1650169.2913
Y1RPC	13+75.00	163.72	877284.2457	1650220.0403
Y1RPC	19+13.00	160.00	876916.8705	1650549.3557
Y1RPC	19+23.00	180.00	876898.8984	1650536.9087
Y1RPC	20+75.00	210.00	876768.9003	1650572.8230
Y1RPC	21+30.00	180.00	876737.7296	1650619.7059

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 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