PROJECT REFERENCE NO.	SHEET NO.
B-4511	1C-2
Location and Surveys	

SURVEY CONTROL SHEET B-4511
FINAL

ROW MARKER IRON PIN AND CAP-E

ALIGN	STATION	OFFSET	NORTH	EAST
L	15+90.00	50.00	863403.0844	1661238.8911
L	15+90.00	-50.00	863461.2538	1661320.2318
L	15+90.00	-30.12	863449.6885	1661304.0595
L	15+90.00	29.88	863414.7866	1661255.2548
L	20+17.46	50.00	863055.3861	1661487.5415
L	20+17.46	-50.00	863113.5556	1661568.8822
L	20+17.46	42.00	863060.0397	1661494.0487
L	21+11.37	-50.00	863038.8082	1661623.7121

ROW MARKER PERMANENT EASEMENT-E

ALIGN	STATION	OFFSET	NORTH	EAST
L	15+50.00	-30.24	863482.2943	1661280.8889
L	15+50.00	-50.00	863493.7901	1661296.9640
L	16+90.00	50.00	863321.7436	1661297.0605
L	16+90.00	70.00	863310.1097	1661280.7923
L	20+02.41	64.00	863059.4852	1661467.3985

L

TYPE	STATION	NORTH	EAST
POT	9+00.00	863993.4202	1660878.1923
PC	20+17.46	863084.4731	1661528.2103
PT	25+97.24	862639.7071	1661899.2962
POT	28+21.11	862478.9636	1662055.1184

Y

TYPE	STATION	NORTH	EAST
POT	10+00.00	862514.4183	1662423.9478
PC	12+46.95	862711.8335	1662275.5824
PT	18+48.61	862881.7031	1661737.9628
POT	18+93.77	862867.7461	1661695.0180

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 9+00.00 IS
S 36°53'30" E 17430.37'
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 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://CONNECT.NCDOT.GOV/RESOURCES/LOCATION/

THE FILES TO BE FOUND ARE AS FOLLOWS:
U2579B_LS_GPSCALIB_071217.PDF
U2579B_LS_WGS84_071217.TXT
U2579B_LS_LOCAL_071217.TXT
B4511_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.

NOTE: DRAWING NOT TO SCALE