

6/2/99

30 JUN-2015 07:55 U3308.LS_1c-6.dgn

PROJECT REFERENCE NO.	SHEET NO.
U-3308	1C-6
Location and Surveys	

SURVEY CONTROL SHEET U-3308

Y1

TYPE	STATION	NORTH	EAST
POT	10+00.00	813961.0490	2032695.5040
POT	12+73.92	813858.1677	2032949.3733

Y4

TYPE	STATION	NORTH	EAST
POT	9+82.13	814332.5608	2033143.6944
POT	14+92.17	814679.1901	2032769.5501

Y5

TYPE	STATION	NORTH	EAST
POT	10+17.87	814332.5608	2033143.6944
PC	10+97.27	814278.5985	2033201.9402
PT	12+48.88	814193.8649	2033326.9641
POT	12+90.03	814176.1900	2033364.1200

Y6

TYPE	STATION	NORTH	EAST
POT	9+56.56	814687.6615	2033355.7566
POT	13+83.23	814865.3283	2032967.8388

Y7

TYPE	STATION	NORTH	EAST
POT	10+43.44	814687.7682	2033355.8182
POT	12+85.85	814586.8700	2033576.2300

Y8

TYPE	STATION	NORTH	EAST
POT	9+60.63	814871.9492	2033449.7037
POT	14+21.52	815063.4132	2033030.4667

Y9

TYPE	STATION	NORTH	EAST
POT	10+39.37	814871.9492	2033449.7037
POT	14+24.47	814711.9715	2033799.9973

Y10

TYPE	STATION	NORTH	EAST
POT	9+77.66	815036.5099	2033518.4388
POT	14+36.15	815230.0818	2033102.8145

Y11

TYPE	STATION	NORTH	EAST
POT	10+22.34	815036.5100	2033518.4388
POT	14+12.64	814871.7262	2033872.2520

Y12

TYPE	STATION	NORTH	EAST
POT	9+96.74	815212.7896	2033591.1177
POT	14+41.84	815400.8775	2033187.7097

Y13

TYPE	STATION	NORTH	EAST
POT	10+03.26	815212.7896	2033591.1177
POT	11+98.96	815130.0900	2033768.4900

Y14

TYPE	STATION	NORTH	EAST
POT	10+06.10	815424.3515	2033669.3195
POT	12+29.17	815518.2800	2033466.9900

Y15

TYPE	STATION	NORTH	EAST
POT	9+93.90	815424.3517	2033669.3195
PC	13+89.30	815257.8395	2034027.9491
PT	14+34.74	815239.6448	2034069.5880
PC	14+44.28	815236.0280	2034078.4059
PT	14+55.15	815231.7929	2034088.4196
POT	16+93.00	815136.7666	2034306.4691

Y15A

TYPE	STATION	NORTH	EAST
POT	10+00.00	815354.9086	2033818.8846
PC	10+25.78	815378.2882	2033829.7388
PT	10+72.47	815417.9753	2033854.1475
POT	11+78.29	815501.0385	2033919.7040

Y16

TYPE	STATION	NORTH	EAST
POT	10+03.07	815959.1774	2033704.3611
POT	12+50.52	815968.1600	2033457.0700

Y17

TYPE	STATION	NORTH	EAST
POT	9+96.97	815960.8923	2033704.4226
POT	11+56.50	815950.8200	2033863.6300

Y18

TYPE	STATION	NORTH	EAST
POT	10+00.00	816287.7055	2033333.9035
PC	10+95.32	816284.1680	2033429.1578
PRC	11+58.98	816279.5585	2033492.6365
PRC	16+59.42	816256.9120	2033992.2350
PT	17+82.35	816255.2554	2034115.1412
POT	19+66.48	816247.1173	2034299.0913

Y2

TYPE	STATION	NORTH	EAST
POT	10+16.56	813856.9361	2032948.8925
POT	11+00.00	813824.4630	2033025.7505

Y20

TYPE	STATION	NORTH	EAST
POT	10+00.00	816563.9600	2033573.9200
POT	11+52.10	816562.7970	2033726.0183

Y21

TYPE	STATION	NORTH	EAST
POT	10+00.00	816559.0977	2033725.8855
POT	11+31.66	816561.5100	2033857.5200

Y22

TYPE	STATION	NORTH	EAST
POT	10+00.00	816922.8400	2033324.5000
POT	19+46.78	816911.1400	2034271.2100

Y3

TYPE	STATION	NORTH	EAST
POT	9+80.23	812916.1817	2032307.8213
POT	12+49.64	812816.9745	2032558.2962

Y3A

TYPE	STATION	NORTH	EAST
POT	10+00.00	812909.0387	2032325.8555
POT	12+88.05	813166.0060	2032456.0150

DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCDOT FOR MONUMENT "U3308-1"

WITH NAD 83/95 STATE PLANE GRID COORDINATES OF
 NORTHING: 812119.1565(±) EASTING: 2032940.6980(±)
 THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT
 (GROUND TO GRID) IS: 0.99994270
 THE N.C. LAMBERT GRID BEARING AND
 LOCALIZED HORIZONTAL GROUND DISTANCE FROM
 "U3308-1" TO -LALT- 13+50.00 IS
 N 84° 58' 17.0" W 634.7202 (±)
 ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES
 VERTICAL DATUM USED IS NAVD 88

NOTES:

- 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.
 - 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:
 U3308_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