PROJECT REFERENCE NO.	SHEET NO.
U-3308	1C-5
Location and Surveys	

SURVEY CONTROL SHEET U-3308

NSN

TYPE	STATION	NORTH	EAST
POT	10+00.00	813676.1020	2031696.1030
POT	31+41.59	812692.6472	2033598.5310

NSS

TYPE	STATION	NORTH	EAST
POT	10+00.00	813666.3757	2031682.7097
POT	30+46.93	812726.8090	2033501.2585

NSS_NSN

TYPE	STATION	NORTH	EAST
POT	10+00.00	813672.8527	2031686.0560
POT	31+50.00	812685.5367	2033595.9535

R1

TYPE	STATION	NORTH	EAST
POT	10+00.00	812565.6260	2031944.0485
PC	11+27.17	812468.4591	2032026.0854
PT	14+55.67	812278.5151	2032290.0539
POT	15+11.05	812258.0865	2032341.5209

R2

TYPE	STATION	NORTH	EAST
POT	10+00.00	812249.6945	2032338.1860
POT	11+00.49	812224.2262	2032435.3910

R3

TYPE	STATION	NORTH	EAST
POT	10+00.00	812619.8207	2032484.9293
PC	13+59.09	812750.8246	2032150.5892
PT	18+65.96	813009.5675	2031717.4082
POT	18+93.03	813027.0785	2031696.7628

R4

TYPE	STATION	NORTH	EAST
POT	10+00.00	812525.7757	2032481.2551
PC	10+52.68	812574.7324	2032500.7098
PT	12+30.37	812684.4751	2032631.2722
POT	12+62.21	812690.9712	2032662.4520

R5

TYPE	STATION	NORTH	EAST
POT	10+00.00	812827.2123	2032561.9691
POT	11+66.93	812745.6587	2032707.6205

SW2

TYPE	STATION	NORTH	EAST
PC	10+00.00	813565.7548	2031909.5623
PT	11+12.69	813516.9870	2032011.1375
PC	12+12.69	813476.3832	2032102.5231
PT	13+22.78	813428.8110	2032201.7815
POT	14+02.53	813392.2852	2032272.6753
POT	14+33.78	813380.8149	2032301.7441

WALL1

TYPE	STATION	NORTH	EAST
PC	37+32.00	814413.1342	2033137.2785
PT	38+82.90	814542.9031	2033214.2323
PC	39+83.25	814627.2666	2033268.5681
PT	40+32.10	814668.6621	2033294.5044

WALL2

TYPE	STATION	NORTH	EAST
POT	10+00.00	815213.9051	2033638.0890
PC	10+94.74	815301.4923	2033674.2005
PT	11+51.04	815354.2600	2033693.8081
POT	11+95.76	815367.1996	2033736.6091
POT	12+41.76	815347.8280	2033778.3312

WALL3

TYPE	STATION	NORTH	EAST
POT	10+50.00	815421.9754	2033619.8156
POT	11+07.95	815446.3752	2033567.2564

WALL3A

TYPE	STATION	NORTH	EAST
POT	10+00.00	815413.1076	2033622.3178
POT	10+09.21	815421.9754	2033619.8156
POT	10+28.75	815430.2010	2033602.0970
POT	10+35.75	815423.7756	2033599.3196

WALL3AB

TYPE	STATION	NORTH	EAST
POT	10+00.00	815413.1076	2033622.3178
POT	10+09.21	815421.9754	2033619.8156
POT	10+28.75	815430.2010	2033602.0970
POT	10+35.75	815423.7756	2033599.3196
POT	10+39.62	815425.4100	2033595.8069
POT	10+46.62	815431.8746	2033598.4920
POT	10+81.06	815446.3752	2033567.2564

WALL3B

TYPE	STATION	NORTH	EAST
POT	10+39.62	815425.4100	2033595.8069
POT	10+46.62	815431.8746	2033598.4920
POT	10+81.06	815446.3752	2033567.2564

WALL4

TYPE	STATION	NORTH	EAST
PC	49+72.00	815509.4044	2033732.0050
PT	50+38.17	815575.3559	2033737.1199
POT	52+53.86	815790.9115	2033744.8538

WALL5

TYPE	STATION	NORTH	EAST
POT	57+70.00	816310.5772	2033763.4989
POT	59+60.00	816500.4550	2033770.3116

Y

TYPE	STATION	NORTH	EAST
POT	10+00.00	813397.8041	2032026.1246
PC	12+15.57	813298.7824	2032217.6036
PRC	14+16.22	813201.9491	2032393.3207
PT	15+68.06	813127.8173	2032525.8221
PC	18+40.63	812999.5111	2032766.3065
PRC	20+52.70	812905.2943	2032956.2543
PT	24+40.92	812724.3465	2033299.5175
PC	24+73.91	812707.4010	2033327.8240
PT	26+01.70	812643.5269	2033438.4963
POT	26+63.34	812613.5737	2033492.3648

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(ft) EASTING: 2032940.6980(ft)
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 (ft)
ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES
VERTICAL DATUM USED IS NAVD 88

NOTE: DRAWING NOT TO SCALE

NOTES:

1. *THE SITE CALIBRATION SHOWN IS BASED UPON A NETWORK TIED TO THE HARN (HIGH ACCURACY REFERENCE NETWORK) NAD 8395 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/

   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.

6/2/99
30-JUN-2015 07:55
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