

SURVEY CONTROL SHEET U-3308

PROJECT REFERENCE NO.	SHEET NO.
U-3308	1C-4
Location and Surveys	

L

TYPE	STATION	NORTH	EAST
POT	4+96.70	811381.8100	2031993.3000
PC	17+57.65	812553.6282	2032458.9653
PT	20+28.04	812806.5464	2032554.5551
PC	31+93.59	813903.6238	2032948.1369
PT	39+26.84	814573.2125	2033245.3742
PC	46+82.27	815239.3577	2033601.6331
PT	51+27.82	815667.3549	2033707.9944
PC	53+22.61	815862.1430	2033707.2244
PT	56+41.14	816180.6138	2033712.3061
PC	62+18.35	816757.4485	2033733.0023
PT	67+65.74	817304.7255	2033742.6447
POT	68+84.57	817423.5553	2033742.5700

L3

TYPE	STATION	NORTH	EAST
POT	13+50.00	812174.7923	2032308.4208
PC	17+57.65	812553.6267	2032458.9646
PT	20+28.04	812806.5426	2032554.5536
PC	32+57.53	813963.8127	2032969.7301
PT	38+83.82	814524.2505	2033246.2289
PC	39+69.87	814596.5999	2033292.8268
PT	44+22.71	814997.3746	2033502.3035
PC	47+69.56	815318.0395	2033634.5115
PT	50+35.96	815577.0232	2033690.6498
PC	62+17.14	816757.4464	2033733.0022
PT	67+64.51	817304.7052	2033742.6448
POT	68+78.80	817418.9877	2033742.5730

NSALTA

TYPE	STATION	NORTH	EAST
TS	10+00.00	813566.6166	2031879.8242
SC	11+24.00	813510.4103	2031990.3516
CS	12+46.73	813458.4051	2032101.5128
ST	13+70.73	813409.5788	2032215.4928
TS	15+90.73	813324.2890	2032418.2875
SC	17+14.73	813275.4627	2032532.2675
CS	20+84.20	813105.9146	2032860.2903
ST	22+08.20	813041.1668	2032966.0408
TS	24+28.20	812925.0514	2033152.9023
SC	25+52.20	812860.3036	2033258.6529
CS	26+74.93	812799.6939	2033365.3665
ST	27+98.93	812742.0308	2033475.1410
POT	29+51.18	812672.1223	2033610.3921

L1

TYPE	STATION	NORTH	EAST
POT	12+00.00	812035.3955	2032253.0263
PC	17+57.65	812553.6267	2032458.9646
PT	20+28.04	812806.5426	2032554.5536
PC	32+90.15	813994.5203	2032980.7466
PT	37+45.64	814402.1114	2033181.8366
PC	39+03.72	814535.0160	2033267.4362
PT	43+56.56	814935.7907	2033476.9129
PC	47+70.02	815318.0395	2033634.5115
PT	50+36.42	815577.0232	2033690.6498
PC	62+17.60	816757.4464	2033733.0022
PT	67+64.97	817304.7052	2033742.6448
EQB	68+79.26	817418.9877	2033742.5730
EQA	68+77.15	817418.9877	2033742.5730

LALT

TYPE	STATION	NORTH	EAST
POT	12+00.00	812035.3955	2032253.0263
PC	17+57.65	812553.6267	2032458.9646
PT	20+28.04	812806.5426	2032554.5536
PC	25+00.01	813250.7885	2032713.9291
PT	26+10.85	813354.5858	2032752.7983
PC	34+79.67	814163.9271	2033068.7276
PT	38+79.73	814519.6195	2033250.3830
PC	39+80.08	814603.9831	2033304.7189
PT	43+42.35	814924.6028	2033472.3002
PC	47+67.91	815318.0395	2033634.5115
PT	50+34.31	815577.0232	2033690.6498
PC	62+15.49	816757.4464	2033733.0022
PT	67+62.86	817304.7052	2033742.6448
POT	68+77.15	817418.9877	2033742.5730

NS

TYPE	STATION	NORTH	EAST
POT	34+00.00	813597.6039	2031850.3632
POT	57+50.00	812518.5568	2033937.9833

NSD2

TYPE	STATION	NORTH	EAST
TS	10+00.00	813579.1631	2031851.5113
SC	11+24.00	813523.1428	2031962.1318
CS	12+57.34	813468.0044	2032083.5228
ST	13+81.34	813421.5572	2032198.4917
TS	16+01.34	813340.8067	2032403.1362
SC	17+25.34	813294.3595	2032518.1050
CS	21+16.03	813115.2062	2032864.8597
ST	22+40.03	813048.3123	2032969.2647
TS	24+60.03	812928.1271	2033153.5349
SC	25+84.03	812861.2332	2033257.9399
CS	27+17.37	812794.1302	2033373.1492
ST	28+41.37	812736.3219	2033482.8460

L2

TYPE	STATION	NORTH	EAST
POT	10+00.00	811381.8100	2031993.3000
PC	17+85.18	812111.4876	2032283.2644
PT	18+55.45	812176.3204	2032310.3563
PC	19+62.18	812274.0613	2032353.2316
PT	20+43.56	812349.2296	2032384.3976
PC	32+12.67	813438.0798	2032810.1044
PT	38+31.54	814020.0144	2033020.4922
PC	38+69.48	814056.0174	2033032.4681
PRC	43+73.78	814515.2960	2033238.6632
PT	46+05.68	814721.2996	2033344.9862
PC	52+74.24	815328.9703	2033623.7360
PT	55+69.19	815614.0745	2033691.5287
PC	68+13.31	816857.3571	2033737.3190
PT	71+12.85	817156.8281	2033742.7377
POT	73+79.58	817423.5600	2033742.5700

LR1_QC

TYPE	STATION	NORTH	EAST
POT	5+00.00	817418.9877	2033742.5730

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 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:
 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.

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