

SURVEY CONTROL SHEET R-4753

-FINAL-

-L- FINAL

TYPE	STATION	NORTH	EAST
POT	10+00.00	589284.1674	761118.0501
PC	14+18.25	589664.2215	761292.6793
PRC	18+31.51	590032.1762	761480.5325
PT	19+94.82	590176.0332	761557.8102
PC	21+82.72	590343.3488	761643.3353
PT	26+06.54	590592.1097	761969.1154
PC	26+61.08	590603.2674	762022.5058
PT	31+07.55	590509.0863	762445.2790
PC	33+98.30	590334.4298	762677.7190
PT	37+27.62	590087.3936	762891.7463
PC	40+67.77	589789.1250	763055.2563
PT	42+81.88	589599.5834	763154.8064
PC	44+71.28	589430.3589	763239.8688
PT	48+65.62	589073.8035	763408.2195
PC	49+97.42	588953.2660	763461.5402
PT	51+48.72	588814.1490	763520.9941
PC	52+73.98	588698.3561	763568.7627
PRC	54+77.17	588506.4473	763635.1854
PRC	60+58.84	588104.5468	764022.9289
PT	65+01.31	587811.5907	764335.2118
PC	69+12.39	587429.0670	764485.7176
PT	73+06.22	587043.1107	764546.4405
PC	74+34.44	586915.1484	764538.4007
PT	77+01.89	586660.6507	764463.6664
PC	77+41.74	586625.8420	764444.2643
PT	80+59.87	586441.9681	764196.3322
PC	81+90.61	586414.2094	764068.5748
PT	83+96.48	586408.7253	763863.9801
PC	84+89.12	586423.5171	763772.5274
PT	90+51.01	586053.2856	763515.2102
PC	92+47.72	585882.2200	763612.3405
PRC	94+91.46	585712.2824	763782.8983
PT	98+32.07	585487.9511	764035.7803
PC	122+57.61	583531.3019	765469.2257
PT	129+56.29	583566.3435	766056.4991
PC	132+21.81	583797.6710	766186.8305
PT	137+39.71	584073.9957	766602.3084
PC	143+98.20	584150.2639	767256.3635
PT	150+63.03	584070.5329	767910.1266
PC	154+85.03	583922.3499	768305.2469
PT	157+37.25	583785.2379	768514.5011
PC	163+70.68	583330.2695	768955.2231
PT	166+23.67	583122.5725	769097.5701
PC	167+64.97	582994.2676	769156.7508
PT	173+80.16	582395.1759	769263.1953
PC	181+15.71	581662.0073	769204.0567
PT	184+78.90	581301.1092	769229.6662
PC	192+23.25	580575.0495	769393.6833
PT	194+76.68	580329.7858	769457.3161
PC	201+02.18	579729.6133	769633.4959
PT	209+52.69	578897.1347	769802.6603
PC	213+19.67	578532.6045	769844.9238
PT	215+52.89	578299.9624	769843.3688
POT	219+12.59	577943.2412	769797.1703

-Y1REV- FINAL

TYPE	STATION	NORTH	EAST
POT	10+00.00	589641.2397	763275.6322
PC	10+77.49	589679.3728	763322.2885
PCC	11+43.88	589524.3434	763359.3760
PT	11+79.67	589490.0581	763367.4540
PC	12+51.00	589418.9429	763361.9575
PT	13+29.08	589357.2697	763319.9699
POT	13+68.46	589340.0536	763284.5538

-Y1A- FINAL

TYPE	STATION	NORTH	EAST
POT	10+00.00	589405.8823	763492.3819
POT	10+34.49	589394.5500	763459.8103
PC	10+53.26	589389.8713	763441.6337
PT	10+79.00	589390.0104	763416.1773
POT	11+37.58	589405.2337	763359.6042

-Y2- FINAL

TYPE	STATION	NORTH	EAST
POT	10+00.00	588842.3732	763509.2664
PC	11+81.56	588906.5361	763679.1082
PT	13+44.38	588899.9132	763837.4167

-Y2A- FINAL

TYPE	STATION	NORTH	EAST
POT	10+00.00	586287.5620	763508.5234
PC	10+81.57	586321.3695	763434.2873
PCC	11+31.94	586363.9808	763420.9210
PT	12+10.01	586419.9929	763474.3392

-Y3- FINAL

TYPE	STATION	NORTH	EAST
POT	10+00.00	585605.7766	763930.0428
PC	12+37.63	585436.8731	763762.8864
PT	14+03.17	585342.0327	763628.2668

-Y3A- FINAL

TYPE	STATION	NORTH	EAST
POT	10+00.00	583388.9145	765728.3688
PC	10+45.73	583343.2848	765725.3379
PT	11+40.74	583300.4628	765656.1739
PC	12+46.77	583341.3367	765558.3346
PT	14+23.66	583452.3762	765423.9414
POT	17+85.92	583754.3040	765223.7621

-Y3B- FINAL

TYPE	STATION	NORTH	EAST
POT	10+00.00	581547.0666	769200.3138
PC	10+29.78	581546.6086	769170.5418
PT	10+79.78	581579.0170	769140.1774
POT	14+43.34	581941.4067	769169.4084

-Y3C- FINAL

TYPE	STATION	NORTH	EAST
POT	10+00.00	579496.7832	769696.0306
PC	10+11.14	579492.8699	769685.2739
PT	10+45.65	579506.0126	769656.2825
PC	11+10.61	579564.3620	769627.7316
PT	11+48.89	579599.8987	769613.5996
PC	12+03.48	579652.0160	769597.3673
PT	12+26.11	579661.0160	769579.2328
POT	12+33.09	579658.6365	769572.6633

-Y4- FINAL

TYPE	STATION	NORTH	EAST
POT	10+00.00	578815.5111	769812.1237
POT	13+76.51	578711.7530	770174.0580

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:
R4753_LS_GPSALIB.HTML
R4753_LS_WGS84.TXT
R4753_LS_LOCAL.TXT
R4753_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.

PROJECT CONTROL 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 NCDOT FOR MONUMENT "R4753 GPS108" WITH NAD 83/NSRS 2007 STATE PLANE GRID COORDINATES OF NORTHING: 584298.1040(ft) EASTING: 767738.1110(ft) THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.99977445 THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "R4753 GPS108" TO -L- STATION 15+50.00 IS N 49°21'09.2" W 8,420.43' ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES VERTICAL DATUM IS BASED ON NGS BENCHMARK N508 (ELEV 2144.97 FT.) (NAVD 88)

GEOID MODEL - GEOID03
NOTE: DRAWING NOT TO SCALE