

SURVEY CONTROL SHEET R-2915A

L TYPE STATION NORTH EAST POT 9+96.75 914134.5228 1260189.5799 TS 16+80.97 914818.0953 1260219.4253 SC 19+50.97 915087.9752 1260225.9902 CS 21+41.43 915278.0933 1260215.4892 SRS 24+11.43 915545.6085 1260179.2417 SC 26+81.43 915813.1237 1260142.9943 CS 28+04.84 915936.2188 1260134.4170 ST 30+74.84 916206.1759 1260133.2137 TS 32+61.10 916392.4173 1260135.9805 SC 35+85.10 916715.7626 1260153.2708 CS 45+25.57 917540.0503 1260568.3046 ST 48+49.57 917746.4955 1260817.7670 TS 52+24.59 917974.2740 1261115.6881 SC 55+48.59 918180.0931 1261365.6995 CS 57+86.26 918356.8843 1261524.1738 ST 61+10.26 918627.8303 1261701.5308 TS 80+29.03 920270.0209 1262693.9502 SC 82+45.03 920455.9263 1262803.9132 CS 94+19.83 921550.6297 1263217.3057 ST 96+35.83 921762.8161 1263257.6740 TS 98+76.15 921999.3129 1263300.3560 SC 100+92.15 922212.2188 1263336.7413 CS 106+82.35 922800.2123 1263380.6445 ST 108+98.35 923016.1608 1263376.2800 TS 113+23.36 923440.9796 1263363.7450 SC 116+47.36 923763.9709 1263341.0680 CS 123+23.66 924378.7435 1263077.1129 SRS 126+47.66 924617.6288 1262858.5461 SC 129+71.66 924856.5140 1262639.9792 CS 134+25.52 925255.2060 1262427.7425 ST 137+49.52 925569.9153 1262351.6130 TS 145+66.53 926371.1594 1262191.9034 SC 148+90.53 926691.0063 1262141.5487 CS 151+48.88 926948.8826 1262147.2690 SRS 154+72.88 927266.1820 1262211.7570 SC 157+96.88 927583.4815 1262276.2450 CS 160+01.83 927788.0547 1262284.8931 ST 163+25.83 928109.6646 1262247.4144 POT 164+13.07 928195.8370 1262233.8078

LPC TYPE STATION NORTH EAST CS 5+00.00 914266.3785 1260102.1447 SC 6+20.00 914309.3602 1259990.5822 CS 16+57.49 914018.0813 1260165.1730 ST 17+77.49 914136.6663 1260180.9152 POT 17+78.98 914138.1513 1260180.9800

RPA TYPE STATION NORTH EAST POT 5+00.00 913806.6777 1260813.5278 TS 9+15.69 914117.3665 1260537.3502 SC 11+07.69 914265.1893 1260414.9738 CS 16+08.65 914730.5412 1260247.2576 ST 18+00.65 914922.4462 1260247.1936

RPB TYPE STATION NORTH EAST PC 5+00.00 914423.1657 1259930.3752 PT 7+57.64 914538.1369 1260117.6462 TS 12+40.48 915020.1491 1260146.0551 SC 13+73.48 915152.9706 1260152.8857 CS 16+36.13 915415.5239 1260150.7951 ST 17+69.13 915548.2198 1260141.8504 POT 19+60.25 915738.8080 1260127.5687

RPC TYPE STATION NORTH EAST TS 5+00.00 914520.7173 1259530.4582 SC 6+45.00 914448.7302 1259655.4833 CS 7+82.99 914329.8710 1259720.8126 SRS 9+27.99 914185.7374 1259714.5751 SC 10+72.99 914041.5366 1259706.4085 CS 17+21.84 913994.4222 1260177.9367 ST 18+66.84 914137.3880 1260198.4634

SR1 TYPE STATION NORTH EAST POT 10+00.00 915159.6528 1258148.6823 PC 10+97.41 915248.9813 1258187.5207 PT 12+23.07 915290.4489 1258292.7843 POT 26+73.26 914712.2234 1259622.7068

SR2 TYPE STATION NORTH EAST POT 10+00.00 915274.6781 1260215.8157 PC 10+66.74 915279.9936 1260282.3432 PT 11+33.66 915239.2202 1260325.5189 PC 13+71.78 915001.1623 1260320.1580 PT 25+84.53 913940.5475 1260815.4136 POT 28+57.05 913770.3467 1261028.2441

SR2REV TYPE STATION NORTH EAST POT 10+00.00 915753.3013 1260149.4805 PC 10+42.92 915758.3965 1260192.0968 PT 11+44.01 915702.5781 1260264.2254 PC 14+07.52 915441.4530 1260299.5839 PT 17+96.35 915053.6268 1260321.3394

Y1 TYPE STATION NORTH EAST POT 10+00.00 915217.5097 1258015.6111 TS 30+49.21 914400.4399 1259894.8767 SC 32+49.21 914318.0407 1260077.0952 CS 39+33.18 913931.5125 1260638.2996 ST 41+33.18 913790.6432 1260780.2470 PC 47+19.28 913371.7807 1261190.2068 PT 53+88.93 912921.5403 1261685.3864 POT 59+99.16 912537.9933 1262160.0140

Y2 TYPE STATION NORTH EAST POT 10+00.00 918655.3619 1261718.1689 PC 10+39.50 918634.9319 1261751.9752 PT 10+94.26 918608.0033 1261799.6515 PC 12+75.12 918523.7326 1261959.6760 PT 13+47.13 918492.1947 1262024.4016 PC 14+45.15 918452.0421 1262113.8121 PT 15+85.03 918387.1236 1262237.6277 POT 16+49.58 918353.7344 1262292.8607

Y3 TYPE STATION NORTH EAST POT 10+00.00 920286.2996 1262703.7862 PC 11+01.20 920233.9757 1262790.4118 PT 11+71.92 920204.8514 1262854.6762 PC 12+33.72 920186.1389 1262913.5709 PT 12+66.12 920178.0127 1262944.9188 POT 12+70.03 920177.2367 1262948.7542

Y4 TYPE STATION NORTH EAST POT 10+00.00 922886.4343 1263379.6725 PC 10+39.68 922887.2054 1263419.3420 PT 13+77.41 923006.1441 1263728.1788 PC 14+27.06 923038.7266 1263765.6453 PT 15+77.48 923119.7918 1263891.7305 PC 19+04.41 923255.1896 1264189.3082 PT 19+23.96 923262.6715 1264207.3614 PC 19+26.96 923263.7263 1264210.1740 PT 20+44.54 923286.3615 1264325.0134 PC 21+23.98 923288.7794 1264404.4195 PT 21+40.09 923289.6090 1264420.5063 POT 22+56.87 923298.0815 1264536.9768

Y5 TYPE STATION NORTH EAST POT 10+00.00 923192.3014 1262373.7609 PC 14+43.87 923168.1321 1262816.9747 PT 16+85.03 923156.4529 1263057.8456 POT 20+00.00 923143.0958 1263372.5346

Y6 TYPE STATION NORTH EAST POT 10+00.00 923910.5155 1263310.1955 PC 11+48.09 923949.1536 1263453.1559 PT 12+05.28 923965.0968 1263508.0756 POT 12+93.32 923991.2081 1263592.1585

Y7 TYPE STATION NORTH EAST POT 10+00.00 925432.0305 1262380.1984 PC 10+40.17 925440.7870 1262419.4013 PT 11+06.85 925488.7099 1262458.4941 PC 11+47.55 925529.4073 1262459.2062 PT 12+60.31 925607.9401 1262527.1924 PC 12+88.59 925612.4796 1262555.1071 PT 14+24.70 925714.0948 1262620.1545 PC 16+03.83 925886.6938 1262572.2429 PT 18+02.45 926083.1540 1262569.0750 PC 19+10.92 926188.5515 1262594.7028 PRC 21+57.21 926424.9522 1262663.4856 PT 23+71.26 926635.7719 1262691.7268 POT 24+55.06 926719.4170 1262686.5824

Y8 TYPE STATION NORTH EAST PC 10+00.00 926932.3437 1261602.7492 PT 10+41.44 926918.1136 1261641.6410 PC 11+64.72 926883.3759 1261759.9198 PT 11+78.45 926879.6655 1261773.1370 PC 13+48.78 926835.5962 1261937.6711 PT 13+92.00 926829.2130 1261980.3256 POT 15+50.00 926823.6222 1262138.2257

Y9 TYPE STATION NORTH EAST PC 10+00.00 927638.9745 1262281.7196 PT 13+09.68 927718.7893 1262575.5152 POT 18+17.44 927998.9750 1262998.9801

DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCDOT FOR MONUMENT "R2915-15" WITH NAD 83/CORS STATE PLANE GRID COORDINATES OF NORTHING: 954880.7810(ft) EASTING: 1254012.2870(ft) ELEVATION: 3097.5210(ft) THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.99991292 THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "R2915-15" TO -L- STATION 10+00.00 IS S 08°37'17" E 41208.6602 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 HARD HIGH ACCURACY REFERENCE NETWORK AND 4395 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 VBS (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://WWW.NCDOT.ORG/DOH/PRECONSTRUCT/HIGHWAY/LOCATION/PROJECT/ THE FILES TO BE FOUND ARE AS FOLLOWS: R2915_IS_GPCALIBR.HTML R2915_IS_WGS84.TXT R2915_IS_LOCAL.TXT R2915_IS_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. SEE GPS CALIBRATION SHEET FOR HORIZONTAL AND VERTICAL COORDINATE VALUES.