

SURVEY CONTROL SHEET R-2501C

PROJECT REFERENCE NO. <i>R-2501C</i>	SHEET NO. <i>1C-3</i>
LOCATION AND SURVEYS	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

BL POINT	DESC.	NORTH	EAST	ELEVATION	L STATION	OFFSET
101	BL-101	446926.7460	1805656.1230	344.40	OUTSIDE PROJECT LIMITS	
102	BL-102	446946.5300	1806852.2920	325.12	1144+82.44	1.58 LT
103	BL-103	446922.2580	1808029.8670	328.20	1156+59.52	40.09 RT
104	BL-104	446936.0600	1809116.9240	334.91	1167+47.91	27.40 RT
105	BL-105	446993.6280	1809908.3840	366.46	1175+39.22	36.33 LT
106	BL-106	447007.7000	1810891.3810	367.03	1185+22.43	35.98 LT
107	BL-107	446983.5670	1812323.6210	357.47	1199+54.01	14.25 RT
108	BL-108	447003.1410	1813648.2480	372.77	1212+78.97	15.86 RT
109	BL-109	446996.1510	1814657.4210	408.84	1222+87.93	37.76 RT
110	BL-110	447080.4130	1815750.5190	439.63	1233+82.15	30.34 LT
111	BL-111	447032.4440	1816550.1590	440.95	1241+81.00	29.44 RT
112	BL-112	447056.5250	1817404.2600	441.33	1250+35.36	17.98 RT
113	BL-113	447071.9650	1818404.5020	409.21	1260+33.47	36.26 RT
114	BL-114	447105.2190	1819775.3720	399.40	1273+58.58	262.66 RT
115	BL-115	447752.1480	1820905.9590	407.91	1286+18.12	85.10 RT
51	R2502-1	448358.2500	1821667.4330	410.35	1295+80.60	34.71 LT
116	BL-116	449122.2650	1822896.8780	415.96	1310+26.48	33.63 RT
1	BL-1 (R2502)	449788.0570	1823781.1150	419.50	1321+32.37	12.99 LT

BY POINT	DESC.	NORTH	EAST	ELEVATION	Y STATION	OFFSET
BY104	BL-104	446936.0600	1809116.9240	334.91	10+25.60	42.85 RT
119	BY-119	446540.1090	1809152.5520	346.36	14+22.13	14.31 RT

BY1 POINT	DESC.	NORTH	EAST	ELEVATION	Y1 STATION	OFFSET
120	BY1-120	446449.0200	1810443.7210	374.20	OUTSIDE PROJECT LIMITS	
BY105	BL-105	446993.6280	1809908.3840	366.46	1175+39.22	36.33 LT

BY2 POINT	DESC.	NORTH	EAST	ELEVATION	Y2 STATION	OFFSET
121	BY2-121	447477.7970	1816758.3250	435.65	OUTSIDE PROJECT LIMITS	
BY111	BL-111	447032.4440	1816550.1590	440.95	1241+81.00	29.44 RT

BY3 POINT	DESC.	NORTH	EAST	ELEVATION	Y3 STATION	OFFSET
BY114	BL-114	447105.2190	1819775.3720	399.40	13+31.56	62.97 RT
122	BY3-122	446678.6400	1819466.8350	396.55	OUTSIDE PROJECT LIMITS	

BY4 POINT	DESC.	NORTH	EAST	ELEVATION	Y4 STATION	OFFSET
123	BY4-123	447994.5520	1820369.1380	406.66	OUTSIDE PROJECT LIMITS	
BY115	BL-115	447752.1480	1820905.9590	407.91	1286+18.12	85.10 RT

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BM1 ELEVATION = 343.03
N 446848 E 1805641
L STATION 10+89.00
S 86°36'42.36" W DIST 15291.49
RR SPIKE IN BASE OF POWER POLE

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BM2 ELEVATION = 323.97
N 446801 E 1806816
L STATION 10+89.00
S 86°08'16.80" W DIST 14121.83
RR SPIKE IN BASE OF 20 INCH PINE

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BM3 ELEVATION = 325.69
N 447093 E 1808037
L STATION 10+89.00
S 87°04'2.08" W DIST 12886.00
RR SPIKE IN BASE OF 15 INCH PINE

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BM4 ELEVATION = 346.87
N 446791 E 1809209
Y STATION 11+72.00 47 LEFT
RR SPIKE IN BASE OF 12 INCH PINE

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BM5 ELEVATION = 368.05
N 446856 E 1810891
L STATION 1185+20.00 116 RIGHT
RR SPIKE IN BASE OF 18 INCH PINE

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BM6 ELEVATION = 359.38
N 447121 E 1812330
L STATION 1199+64.00 123 LEFT
RR SPIKE IN BASE OF 20 INCH PINE

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BM7 ELEVATION = 376.57
N 446865 E 1813654
L STATION 1212+83.00 154 RIGHT
RR SPIKE IN BASE OF POWER POLE

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BM8 ELEVATION = 438.68
N 446874 E 1815728
L STATION 1233+56.00 175 RIGHT
RR SPIKE IN BASE OF POWER POLE

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BM9 ELEVATION = 441.41
N 447226 E 1817409
L STATION 1250+42.00 152 LEFT
RR SPIKE IN BASE OF 18 INCH PINE

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BM10 ELEVATION = 394.22
N 447009 E 1819901
L STATION 1274+46.00 391 RIGHT
RR SPIKE IN BASE OF POWER POLE

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BM11 ELEVATION = 407.10
N 447691 E 1820920
L STATION 1286+03.00 146 RIGHT
RR SPIKE IN BASE OF POWER POLE

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BM12 ELEVATION = 414.33
N 449060 E 1822913
L STATION 1310+04.00 94 RIGHT
RR SPIKE IN BASE OF POWER POLE

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DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCGS FOR MONUMENT "FRUITLAND" WITH NAD 83/95 STATE PLANE GRID COORDINATES OF NORTHING: 427332.498(ft) EASTING: 1804014.118(ft) THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.99986692 THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "FRUITLAND" TO L- STATION 1141+50.00 IS N 07°16'58.0" E 19,767.01' 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:
r2501c_ls_gpscalib_040129.html
r2501c_ls_wgs84_040129.txt
r2501c_ls_local_040129.txt
r2501c_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.

REVISIONS
 02-FEB-2018 17:43
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