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09/08/99

U-4910A SURVEY CONTROL SHEET

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.
N.C.	U-4910A	1C-1

DRAWING NOT TO SCALE

NORTH CAROLINA PROFESSIONAL SEAL L-3468 LAND SURVEYOR WATTS B. FEARRINGTON JR.

Designed by: B. Fearrington
Checked by: Clamus
DocuSigned by: 8DA5B127C0E8E...

10/3/2016

DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY OTHERS FOR MONUMENT "BL-7"
WITH NAD 83/NSRS 2007 STATE PLANE GRID COORDINATES OF
NORTHING: 599775.128(ft) EASTING: 1487366.913(ft)
ELEVATION: 599.65(ft)
THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.999850022
THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "BL-7" TO -L- STATION 99+98.629203 IS 5,691.766677' AT S 38° 34' 41.929279" W
ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES
VERTICAL DATUM USED IS NAVD 88

BENCHMARK DATA

BENCHMARKS

BM100 ELEVATION = 732.20
N 606748 E 1489293
BENCH TIE NAIL SET IN POWER POLE

BM101 ELEVATION = 721.03
N 605784 E 1488835
PAINT MARK ON LIGHT POLE BASE

BM102 ELEVATION = 709.47
N 604839 E 1488762
BENCH TIE NAIL SET IN A 10" SWEETGUM

BM103 ELEVATION = 718.98
N 604310 E 1488446
BENCH TIE NAIL SET IN A 24" OAK

BM104 ELEVATION = 710.27
N 603495 E 1488480
BENCH TIE NAIL SET IN A 12" OAK

BM105 ELEVATION = 657.68
N 601978 E 1488232
PAINT MARK ON CORNER END OF BACK OF CURB

BM106 ELEVATION = 667.77
N 601038 E 1487509
PAINT MARK ON CORNER OF FLAG POLE BASE

BM107 ELEVATION = 634.58
N 598357 E 1486859
BENCH TIE NAIL SET IN A 18" OAK

BM108 ELEVATION = 594.97
N 597727 E 1485493
BENCH TIE NAIL SET IN A 16" PINE

BM110 ELEVATION = 653.65
N 596846 E 1484460
BENCH TIE NAIL SET IN POWER POLE

BASELINE DATA

POINT BL-1 N 605,181.930 E 1,488,754.883 EL 713.10 STA 5+00.00
POINT BL-2 N 604,317.602 E 1,488,517.177 EL 713.67 STA 13+96.42
POINT BL-3 N 603,526.286 E 1,488,333.917 EL 706.61 STA 22+08.68
POINT BL-4 N 602,764.008 E 1,488,105.656 EL 659.52 STA 30+04.40
POINT BL-5 N 602,025.438 E 1,487,889.791 EL 669.13 STA 37+73.87
POINT BL-6 N 601,220.125 E 1,487,676.197 EL 674.01 STA 46+07.03
POINT BL-7 N 599,775.128 E 1,487,366.913 EL 629.23 STA 60+84.75
POINT BL-8 N 599,042.909 E 1,487,138.489 EL 600.59 STA 68+51.77
POINT BL-9 N 598,376.738 E 1,486,690.830 EL 602.50 STA 76+54.38
POINT BL-10 N 597,873.431 E 1,485,946.874 EL 632.38 STA 85+52.60
POINT BL-11 N 597,594.721 E 1,485,499.839 EL 641.09 STA 90+79.40
POINT BL-12 N 597,271.383 E 1,484,889.728 EL 614.10 STA 97+69.89
POINT BL-13 N 596,904.894 E 1,484,492.925 EL 650.46 STA 103+10.05
POINT BL-14 N 596,422.063 E 1,484,414.797 EL 660.35 STA 107+99.16
POINT BL-15 N 595,889.154 E 1,484,197.054 EL 674.07 STA 113+74.83
POINT BY3-16 N 595,652.391 E 1,485,158.036 EL 665.11 STA 14+89.72
POINT BY-17 N 599,738.133 E 1,487,869.326 EL 633.84 STA 15+73.76
POINT BY-18 N 599,954.228 E 1,486,825.794 EL 608.89 STA 5+00.00
POINT BY1-19 N 598,953.394 E 1,487,517.602 EL 611.03 STA 8+89.54
POINT BY2-20 N 597,186.204 E 1,486,319.103 EL 634.19 STA 12+81.56

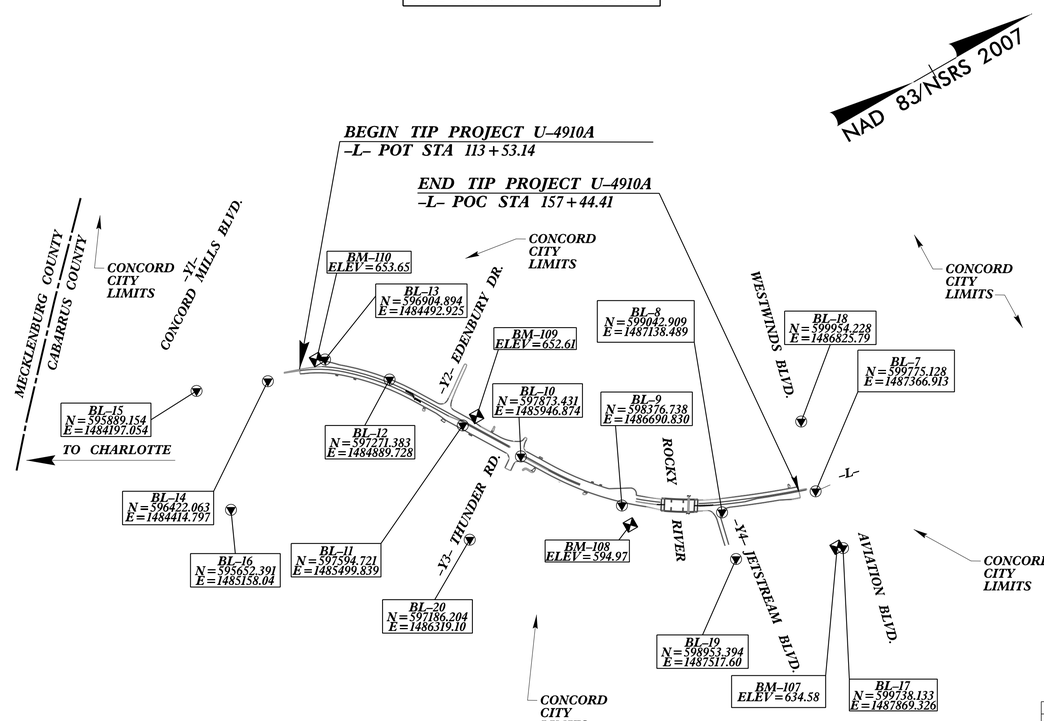
TYPE	STATION	NORTH	EAST
		L	
POT	99+98.63	595325.5519	1483817.6200
PC	111+74.71	596382.9896	1484332.3977
PT	113+37.55	596532.0756	1484397.7792
PC	115+05.55	596688.4908	1484459.0840
PCC	118+38.59	596972.8198	1484629.5420
PT	124+70.00	597380.9446	1485107.8740
PC	136+88.11	598016.0924	1486147.2919
PCC	151+07.54	599066.8220	1487069.3692
PT	163+23.59	600214.2951	1487467.6166
PC	175+62.07	601414.3176	1487773.8323
PT	179+20.49	601763.6684	1487853.7981
PC	183+64.71	602199.0181	1487942.1386
PT	188+72.72	602692.9139	1488060.5877
PC	215+35.51	605258.8374	1488772.2780
PT	218+27.11	605538.1805	1488855.8674
PC	225+45.27	606221.9008	1489075.5974
PT	227+47.98	606415.7321	1489134.9011
PC	238+36.69	607461.1765	1489438.7781
PT	241+44.97	607746.3097	1489554.5301
POT	246+09.22	608156.2847	1489772.3587

TYPE	STATION	NORTH	EAST
		Y1	
POT	6+00.80	595685.7414	1484800.2505
PC	7+97.20	595702.9243	1484804.6043
PT	9+94.89	595744.3713	1484411.8294
PC	13+64.14	595866.1021	1484063.2209
PCC	17+06.36	596049.8885	1483778.3387
PT	20+97.65	596375.8979	1483565.9127
POT	22+89.90	596553.4055	1483492.0886

TYPE	STATION	NORTH	EAST
		Y2	
POT	10+00.00	597519.9697	1485335.3884
PC	12+16.64	597694.8705	1485207.5501
PT	15+46.60	597965.1963	1485018.3912
POT	16+30.41	598034.8383	1484971.7689

TYPE	STATION	NORTH	EAST
		Y3	
POT	7+00.00	597259.0910	1486312.9530
POT	14+33.25	597864.8494	1485899.7831

TYPE	STATION	NORTH	EAST
		Y4	
POT	10+00.00	598944.6748	1487385.5884
POT	13+45.06	599023.7749	1487049.7133



▼ *INDICATES CONTROL REBAR WITH CAP USED OR SET FOR HORIZONTAL PROJECT BY CH ENGINEERING.*

PROJECT CONTROL ESTABLISHED USING NCGS VIRTUAL REFERENCE STATION (VRS) NETWORK

PRELIMINARY PERMANENT UTILITY EASEMENT

ALIGN	STATION	OFFSET	NORTHING	EASTING
-L-	119+76.31	52.50'	597037.65'	1484759.98'
-L-	120+19.77	52.50'	597067.55'	1484789.93'
-L-	120+22.49	97.13'	597037.43'	1484822.97'
-L-	120+36.41	68.25'	597057.47'	1484812.48'
-L-	123+04.00	74.17'	597228.75'	1485013.77'
-L-	123+04.00	185.00'	597203.87'	1485031.97'
-L-	126+27.24	76.62'	597397.56'	1485282.00'
-L-	126+72.71	74.00'	597423.50'	1485319.43'
-L-	127+93.54	74.00'	597486.50'	1485422.54'
-L-	127+95.31	64.50'	597495.53'	1485419.89'
-L-	142+86.61	72.48'	598348.68'	1486663.62'
-L-	143+02.55	80.53'	598345.47'	1486682.32'
-L-	144+35.00	94.63'	598438.16'	1486784.67'
-L-	144+78.00	99.68'	598462.86'	1486811.95'
-L-	146+38.35	132.85'	598583.38'	1486945.83'
-L-	146+83.38	138.83'	598623.82'	1486971.16'
-L-	149+63.17	135.57'	598879.85'	1487124.98'
-L-	152+06.12	72.67'	599128.57'	1487175.60'
-L-	154+25.00	-112.76'	598565.22'	1486628.47'
-L-	147+48.22	-128.81'	598889.83'	1486793.19'
-L-	149+50.00	-185.00'	598774.18'	1486987.73'
-L-	152+00.00	-97.00'	598913.00'	1486936.71'
-L-	155+00.00	-66.00'	599453.18'	1487157.28'
-L-	155+39.22	-52.50'	599484.71'	1487183.65'

PRELIMINARY DRAINAGE UTILITY EASEMENT

ALIGN	STATION	OFFSET	NORTHING	EASTING
-L-	157+16.00	64.50'	599611.44'	1487353.74'
-L-	157+14.00	86.00'	599602.48'	1487373.39'
-L-	157+44.00	86.00'	599631.17'	1487383.29'

PRELIMINARY RIGHT OF WAY

ALIGN	STATION	OFFSET	NORTHING	EASTING
-L-	117+21.94	64.51'	596844.00'	1484612.75'
-L-	117+72.49	67.69'	596880.72'	1484642.59'
-L-	119+28.34	96.13'	596974.12'	1484759.56'
-L-	120+66.36	118.73'	597055.27'	1484862.45'
-L-	123+02.94	111.63'	597229.63'	1485078.72'
-L-	124+19.71	110.23'	597261.60'	1485125.12'
-L-	124+47.96	101.86'	597276.24'	1485147.45'
-L-	124+66.90	101.88'	597292.48'	1485158.49'
-L-	125+65.92	90.25'	597351.95'	1485236.79'
-L-	126+02.72	90.34'	597373.26'	1485268.23'
-L-	126+02.72	99.46'	597365.28'	1485272.99'
-L-	126+16.16	103.66'	597368.78'	1485286.64'
-L-	126+16.16	90.36'	597380.05'	1485279.71'
-L-	127+75.18	91.21'	597462.24'	1485415.85'
-L-	127+75.18	136.32'	597423.76'	1485439.37'
-L-	128+07.24	134.89'	597441.69'	1485465.98'
-L-	128+07.24	90.87'	597479.25'	1485443.03'
-L-	133+12.54	93.25'	597740.67'	1485875.44'
-L-	133+12.54	103.28'	597732.14'	1485880.67'
-L-	133+22.54	103.28'	597737.35'	1485889.20'
-L-	133+22.54	93.13'	597746.81'	1485883.91'
-L-	138+42.18	81.97'	598031.69'	1486323.27'
-L-	138+42.18	52.13'	598025.39'	1486329.13'
-L-	138+51.82	52.12'	598031.18'	1486337.29'
-L-	138+51.83	100.38'	598024.45'	1486342.84'
-L-	138+61.49	100.35'	598038.33'	1486358.26'
-L-	138+61.46	81.82'	598046.02'	1486338.97'
-L-	142+98.46	90.81'	598335.85'	1486686.26'
-L-	142+98.47	100.49'	598328.62'	1486693.85'
-L-	143+08.07	101.28'	598335.33'	1486701.31'
-L-	143+08.05	91.15'	598342.29'	1486693.95'
-L-	145+97.97	135.92'	598546.53'	1486923.14'
-L-	146+53.16	143.98'	598590.05'	1486964.24'
-L-	147+53.16	145.92'	598671.14'	1487024.98'
-L-	148+86.91	138.44'	598805.79'	1487084.13'
-L-	154+72.26	93.01'	599372.26'	1487295.82'
-L-	122+03.47	-67.64'	597273.77'	1484847.74'
-L-	122+41.26	-68.45'	597324.74'	1484877.81'
-L-	122+41.25	-78.58'	597312.66'	1484871.62'
-L-	122+45.10	-78.50'	597315.12'	1484874.77'
-L-	122+45.13	-68.46'	597327.21'	1484880.96'
-L-	123+12.00	-67.89'	597348.29'	1484936.55'
-L-	124+56.84	-74.61'	597437.46'	1485057.35'
-L-	126+55.57	-91.99'	597556.28'	1485218.26'
-L-	127+80.62	-183.31'	597631.86'	1485315.86'
-L-	128+22.89	-187.14'	597656.37'	1485353.14'
-L-	128+49.00	-76.24'	597643.62'	1485391.53'
-L-	132+75.45	-69.78'	597862.47'	1485758.79'
-L-	126+81.82	-137.45'	597629.10'	1485216.69'
-L-	126+76.38	-174.95'	597634.43'	1485215.94'
-L-	128+24.90	-118.58'	597667.19'	1485348.89'
-L-	128+26.44	-117.89'	597668.65'	1485352.61'
-L-	128+26.85	-186.57'	597657.96'	1485356.81'
-L-	133+59.25	-98.51'	597928.68'	1485815.31'
-L-	134+36.32	-97.34'	597967.87'	1485881.68'
-L-	135+62.00	-65.43'	598026.17'	1486025.56'
-L-	137+75.00	-68.68'	598113.33'	1486187.05'
-L-	138+01.64	-84.24'	598151.42'	1486240.59'
-L-	138+02.76	-76.14'	598141.19'	1486200.80'
-L-	138+15.47	-75.32'	598147.46'	1486211.42'
-L-	138+15.18	-71.33'	598144.01'	1486213.45'
-L-	138+02.69	-72.13'	598137.84'	1486203.00'
-L-	154+53.74	-72.48'	599411.98'	1487138.67'
-L-	154+53.79	-86.57'	599417.81'	1487121.68'
-L-	154+65.18	-87.38'	599428.56'	1487125.85'
-L-	154+65.18	-124.48'	599422.11'	1487141.75'
-Y2-	11+37.97	-46.00'	597684.21'	1485216.84'
-Y2-	11+42.00	-43.23'	597689.18'	1485216.69'
-Y2-	11+62.89	-28.69'	597634.43'	1485215.94'
-Y2-	11+98.48	31.47'	597698.78'	1485243.67'
-Y2-	12+45.47	80.39'	597765.38'	1485255.65'
-Y2-	12+77.98	69.62'	597785.18'	1485228.07'
-Y2-	14+35.88	48.52'	597920.51'	1485121.81'
-Y2-	14+35.88	-32.88'	597890.50'	1485106.41'
-Y2-	14+17.51	-28.84'	597842.08'	1485067.36'
-Y2-	14+17.54	-61.95'	597863.25'	1485048.13'
-Y2-	14+33.42	-62.21'	597836.26'	1485038.82'
-Y2-	14+33.46	-29.10'	597855.18'	1485058.05'
-Y3-	13+48.00	46.21'	597810.47'	1485985.54'
-Y3-	13+43.72	-64.36'	597754.62'	1485897.06'

PRELIMINARY PERMANENT DRAINAGE EASEMENT

ALIGN	STATION	OFFSET	NORTHING	EASTING
-L-	123+04.00	52.50'	597246.24'	1485000.98'
-L-	123+46.00	185.00'	597227.02'	1485064.33'
-L-	123+85.00	122.00'	597233.79'	1485104.29'
-L-	124+05.00	121.00'	597245.01'	1485119.39'
-L-	144+35.00	76.21'	598459.07'	1486772.65'
-L-	144+35.00	110.00'	598426.20'	1486796.39'
-L-	144+70.00	115.00'	598453.11'	1486823.76'
-L-	144+70.00	75.68'	598478.13'	1486793.42'
-L-	146+00.00	68.44'	598588.26'	1486870.05'
-L-	146+00.00	106.00'	598566.00'	1486900.31'
-L-	149+50.00	106.00'	598875.67'	1487014.37'
-L-	149+85.00	101.00'	598918.42'	1487026.73'
-L-	150+12.00	114.49'	598964.30'	1487042.91'
-L-	150+41.88	116.59'	598956.90'	1487147.04'
-L-	151+12.86	116.83'	598924.31'	1487178.32'
-L-	151+62.00	102.00'	598876.75'	1487182.99'
-L-	151+56.00	75.00'	598892.38'	1487154.88'
-L-	123+12.00	-52.50'	597335.82'	1484945.62'
-L-	123+12.00	-106.00'	597324.71'	1484914.21'
-L-	123+13.00	-106.00'	597428.31'	1484955.48'
-L-	124+15.00	-125.00'	597452.46'	1484993.26'
-L-	124+45.00	-125.00'	597473.62'	1485020.12'
-L-	128+25.00	-64.50'	597621.09'	1485377.17'
-L-	128+25.00	-125.00'	597605.50'	1485356.05'
-L-	128+49.00	-105.00'	597668.16'	1485376.53'
-L-	128+49.00	-64.50'	597633.68'	1485397.65'
-L-	132+84.53	-73.78'	597879.73'	1485762.91'
-L-	132+84.98	-85.40'	597878.76'	1485758.77'
-L-	133+07.72	-92.52'	597896.79'	1485774.61'
-L-	133+11.55	-88.77'	597888.67'	1485783.86'
-L-	134+81.25	-52.50'	597952.93'	1485943.23'
-L-	134+80.14	-75.00'	597937.76'	1485938.90'
-L-	135+62.00	-75.00'	598014.33'	1486002.58'
-L-	135+62.00	-52.50'	597995.13'	1486012.31'
-L-	137+75.00	-52.50'	598106.51'	1486141.57'
-L-	137+75.00	-75.00'	598125.27'	1486174.14'
-L-	138+00.00	-75.00'	598138.75'	1486199.24'
-L-	138+00.00	-52.50'	598120.13'	1486211.87'
-L-	146+00.00	-52.50'	598655.92'	1486772.64'
-L-	146+00.00	-105.00'	598631.23'	1486738.35'
-L-	147+42.25	-111.00'	598826.13'	1486802.47'
-L-	149+50.00	-52.50'	598949.61'	1486954.17'
-Y2-	11+18.00	-29.35'	597597.52'	1485242.86'
-Y2-	11+18.00	-46.00'	597588.84'	1485228.62'
-Y2-	11+42.00	-46.00'	597587.47'	1485214.46'
-Y2-	11+42.00	-29.10'	597617.44'	1485228.10'
-Y2-	11+18.00	46.00'	597642.38'	1485382.89'
-Y2-	11+42.00	46.00'	597661.76'	1485368.73'
-Y2-	11+42.00	32.90'	597652.84'	1485376.54'

USER: scheeld
DATE: 10/3/2016
TIME: 9:42:02 AM
DGN: R:\Roadway\Proj\u4910_r6\psht02lc.dgn