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6/2/99

PROJECT REFERENCE NO.	SHEET NO.
U-5105	1C-2
Location and Surveys	

SURVEY CONTROL SHEET U-5105
-FINAL-

BL

POINT	DESC.	NORTH	EAST	ELEVATION
1	BL-1	577465.1618	972365.9057	2151.06
2	BL-2	577896.6597	972280.1033	2138.95
3	BL-3	578419.0120	972172.0212	2117.64
4	BL-4	578624.6214	972079.6279	2119.31
5	BL-5	578856.5942	971733.2398	2129.75
6	BL-6	579043.3526	971468.2915	2138.04
7	BL-7	579212.1018	971280.9207	2146.84

BY1

POINT	DESC.	NORTH	EAST	ELEVATION
8	BY1-8	577995.6204	971295.7143	2133.85
9	BY1-9	578009.0190	971635.7364	2128.93
10	BY1-10	578372.1977	971919.9338	2121.66
33	BL-3	578419.0120	972172.0212	2117.64

BY2

POINT	DESC.	NORTH	EAST	ELEVATION
44	BL-4	578624.6214	972079.6279	2119.31
11	BY2-11	578875.6444	972375.4584	2124.21
12	BY2-12	579008.4351	972504.1838	2129.71
13	BY2-13	579297.6576	972786.9378	2126.76

BY3

POINT	DESC.	NORTH	EAST	ELEVATION
66	BL-6	579043.3526	971468.2915	2138.04
14	BY3-14	579214.9429	971659.8272	2145.67

BY4

POINT	DESC.	NORTH	EAST	ELEVATION
15	BY4-15	579090.5182	972163.2460	2133.86
111	BY2-11	578875.6444	972375.4584	2124.21

BY5

POINT	DESC.	NORTH	EAST	ELEVATION
16	BY5-16	579246.8762	972249.5308	2127.63
112	BY2-12	579008.4351	972504.1838	2129.71

L

TYPE	STATION	NORTH	EAST
POT	10+00.00	577386.0828	972369.0873
PC	10+76.44	577460.6704	972352.3793
PT	11+93.95	577575.6323	972328.0423
PC	13+53.97	577732.5660	972296.7421
PT	13+77.27	577755.4092	972292.1769
PC	17+78.42	578148.7530	972213.4075
PRC	20+63.31	578430.2081	972169.8893
PT	23+86.86	578684.9996	971974.5664
PC	25+32.50	578778.9413	971863.2740
PCC	26+46.00	578851.1576	971775.7226
PT	28+00.04	578941.4974	971651.0382
PC	29+24.05	579009.0080	971547.0143
PCC	29+91.75	579046.7313	971490.8015
PCC	30+94.61	579109.5983	971409.4410
PT	33+36.49	579284.5867	971242.9624
POT	33+98.95	579333.8531	971204.6702

Y1

TYPE	STATION	NORTH	EAST
POT	10+00.00	578024.1641	971238.0153
PC	10+53.16	578012.5721	971289.8955
PCC	12+13.16	577992.5414	971448.3987
PCC	13+23.41	577998.3983	971558.3569
PT	14+14.41	578033.2732	971641.3016
PC	14+24.94	578039.7130	971649.6332
PCC	14+76.92	578074.9018	971687.8122
PT	16+59.36	578215.6858	971803.7248
PC	17+51.76	578289.9040	971858.7683
PT	19+18.35	578382.1674	971993.7782
POT	21+00.90	578430.2081	972169.8893

Y2

TYPE	STATION	NORTH	EAST
PC	10+00.00	578430.2081	972169.8893
PT	12+81.61	578642.6855	972331.5067
PC	13+20.85	578681.7778	972334.9181
PT	16+85.76	579007.1192	972483.8736
POT	20+22.07	579248.1666	972718.3915

BM1 ELEVATION = 2152.73
N 577511 E 972321
8" SPIKE SET IN ROOT OF 24" PINE TREE

BM2 ELEVATION = 2117.42
N 578552 E 972192
8" SPIKE SET IN ROOT OF 20" POPLAR TREE

BM3 ELEVATION = 2147.24
N 579193 E 971292
8" SPIKE SET IN ROOT OF 15" DOUBLEMAPLE TREE

BM4 ELEVATION = 2131.21
N 578053 E 971306
8" SPIKE SET IN ROOT OF 20" SYCAMORETREE

BM5 ELEVATION = 2126.01
N 579269 E 972768
8" SPIKE SET IN BASE OF 24" RED OAK TREE

ROW MARKER IRON PIN AND CAP-E

ALIGN	STATION	OFFSET	NORTH	EAST
L	16+77.67	-12.00	578047.6078	972221.4241
L	16+80.19	-24.51	578047.6176	972208.6615
L	16+87.32	-60.00	578047.6454	972172.4636
L	17+78.42	-60.00	578136.9715	972154.5755
L	18+50.00	-70.00	578206.8727	972131.2078
L	19+50.00	-70.00	578307.7394	972114.9420
L	21+70.00	-30.00	578506.8117	972092.8170
L	23+86.86	-30.00	578662.0748	971955.2156
L	25+32.50	-30.00	578756.0165	971843.9232
L	25+83.92	-12.00	578802.6536	971816.1693
L	25+91.62	25.00	578836.1000	971833.7718
L	25+00.00	30.00	578780.9016	971907.4613
L	23+86.86	30.00	578707.9244	971993.9171
L	22+68.89	40.00	578628.2901	972088.6387
L	22+46.56	63.76	578625.2542	972122.1892
L	21+66.00	70.00	578558.0004	972178.8200
L	19+70.00	70.00	578347.2495	972250.7314
L	17+78.42	75.00	578163.4798	972286.9474
L	17+45.00	45.00	578124.8184	972264.0939
L	16+80.00	45.00	578061.0838	972276.8572
L	16+80.00	12.00	578054.6040	972244.4996

ROW MARKER IRON PIN AND CAP-E

ALIGN	STATION	OFFSET	NORTH	EAST
Y1	19+90.00	60.00	578343.1375	972078.6886
Y1	19+18.35	60.00	578324.2824	972009.5684
Y1	17+50.00	60.00	578252.7447	971905.9096
Y1	17+25.00	30.00	578250.5353	971866.9209
Y1	16+59.36	30.00	578197.8149	971827.8211
Y1	16+50.00	30.00	578190.1840	971822.1309
Y1	16+50.00	12.00	578200.9816	971807.7291
Y1	16+50.00	-12.00	578215.3784	971788.5267
Y1	16+59.36	-38.00	578238.3222	971773.2028
Y1	17+51.76	-38.00	578312.5405	971828.2463
Y1	18+00.00	-42.00	578356.6672	971862.7383
Y1	18+50.00	-46.00	578394.9038	971907.4566
Y1	19+14.00	-39.00	578418.4257	971978.6702
Y1	19+14.00	-27.00	578406.9855	971982.0294
Y1	19+86.00	-34.00	578432.7713	972050.0916

ROW MARKER IRON PIN AND CAP-E

ALIGN	STATION	OFFSET	NORTH	EAST
Y2	11+29.00	-70.00	578548.8051	972220.4145
Y2	12+10.00	-55.00	578593.2689	972264.0092
Y2	12+47.32	-60.25	578622.2336	972267.4507
Y2	13+20.70	-142.86	578694.0398	972192.5853
Y2	15+54.16	-50.00	578927.5336	972361.3499
Y2	16+13.77	-50.00	578982.0140	972397.0972
Y2	16+71.35	-30.00	579016.9875	972451.9259
Y2	17+15.55	-35.00	579052.8818	972479.5649
Y2	17+95.00	-35.00	579109.8247	972534.9653
Y2	17+95.00	-15.00	579095.8781	972549.3002
Y2	17+95.00	10.00	579078.4447	972567.2189
Y2	17+95.00	35.00	579061.0114	972585.1376
Y2	16+85.76	50.00	578972.2526	972519.7110
Y2	16+00.00	50.00	578912.4415	972470.2238
Y2	15+07.29	60.00	578835.5496	972437.3146
Y2	13+20.85	60.00	578676.5616	972394.6909
Y2	12+81.61	60.00	578637.4693	972391.2795
Y2	12+28.00	60.00	578572.3647	972378.4699
Y2	12+00.00	95.00	578525.7933	972398.3769
Y2	10+69.28	99.52	578382.9150	972289.6219

PUE
ROW MARKER PERMANENT EASEMENT-E

ALIGN	STATION	OFFSET	NORTH	EAST
L	19+58.00	-76.27	578314.9426	972107.5648
L	19+53.50	-80.08	578309.8387	972104.4480
L	19+60.00	-88.00	578315.3191	972095.6699
L	19+66.05	-82.63	578322.2152	972100.1164
L	22+58.40	-49.50	578562.3263	972027.2646
L	22+57.00	-61.00	578553.9456	972019.2836
L	22+68.50	-61.50	578561.6702	972012.0648
L	22+69.20	-49.00	578570.3315	972021.1010
L	24+67.00	-46.94	578700.8184	971883.0479
L	25+10.00	-30.00	578741.5022	971861.1181
L	18+67.72	157.48	578263.1710	972352.2985
L	18+63.00	165.54	578260.1252	972361.0099
L	18+53.50	160.42	578250.3592	972357.5139
L	18+69.00	133.75	578260.3709	972328.7080
L	18+60.00	129.27	578251.1020	972325.7598
L	18+85.87	84.26	578268.2254	972277.1986
L	17+65.60	63.49	578148.6523	972278.1826
L	16+21.00	50.00	578004.2142	972293.3449
L	14+99.00	33.00	577881.2512	972300.6315

PUE
ROW MARKER PERMANENT EASEMENT-E

ALIGN	STATION	OFFSET	NORTH	EAST
Y1	19+98.00	73.62	578332.1013	972089.9915
Y1	19+75.00	60.00	578339.1899	972064.2174
Y1	14+18.44	-12.00	578045.2334	971637.1531
Y1	14+11.00	-39.00	578062.5321	971615.3414
Y1	16+48.50	-50.43	578237.2679	971756.9024
Y1	16+57.90	-57.16	578248.5971	971756.9710
Y1	16+63.50	-49.84	578248.6958	971766.1607
Y1	18+51.70	-65.69	578412.8883	971899.1802
Y1	18+46.70	-73.53	578416.3039	971889.6610
Y1	18+53.00	-80.27	578426.3218	971893.2554
Y1	18+66.40	-60.00	578416.7849	971918.0374
Y1	18+85.25	-71.50	578437.2607	971934.7507
Y1	18+89.00	-62.70	578430.9395	971942.5033
Y1	18+80.50	-57.17	578421.7345	971934.9592
Y1	18+97.50	-38.90	578412.3907	971960.5831
Y1	20+05.09	-52.93	578456.0604	972063.5387

PDE
ROW MARKER PERMANENT EASEMENT-E

ALIGN	STATION	OFFSET	NORTH	EAST
Y1	19+93.00	-40.94	578441.3090	972055.0184
Y1	19+93.00	-64.00	578463.5559	972048.9497
Y1	20+03.50	-78.38	578480.1895	972055.2960

TDE
ROW MARKER PERMANENT EASEMENT-E

ALIGN	STATION	OFFSET	NORTH	EAST
Y2	11+40.00	85.35	578460.5387	972348.7069
Y2	11+40.00	100.00	578451.6309	972360.3399
Y2	12+05.00	120.00	578522.5535	972424.1754

DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCGS FOR MONUMENT "GPS-101"
WITH NAD 83/NSRS 2007 STATE PLANE GRID COORDINATES OF
NORTHING: 578,557.507(ft) EASTING: 972,124.237(ft)
ELEVATION: 2,117.74(ft)
THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.99977589
THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "GPS-101" TO -L- STATION 16+90.00 IS
S 12°08'06.0" E 506.78'
ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES
VERTICAL DATUM USED IS NAVD 88

NOTE: DRAWING NOT TO SCALE

NOTES:

1. *THE CONTROL DATA FOR THIS PROJECT CAN BE FOUND ELECTRONICALLY BY SELECTING PROJECT CONTROL DATA AT:*
HTTPS://CONNECT.NCDOT.GOV/RESOURCES/LOCATION/

THE FILES TO BE FOUND ARE AS FOLLOWS:
U-5105_LS_CONTROL.TXT

SITE CALIBRATION INFORMATION HAS NOT BEEN PROVIDED FOR THIS PROJECT. 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.

2/14/2018
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eallison