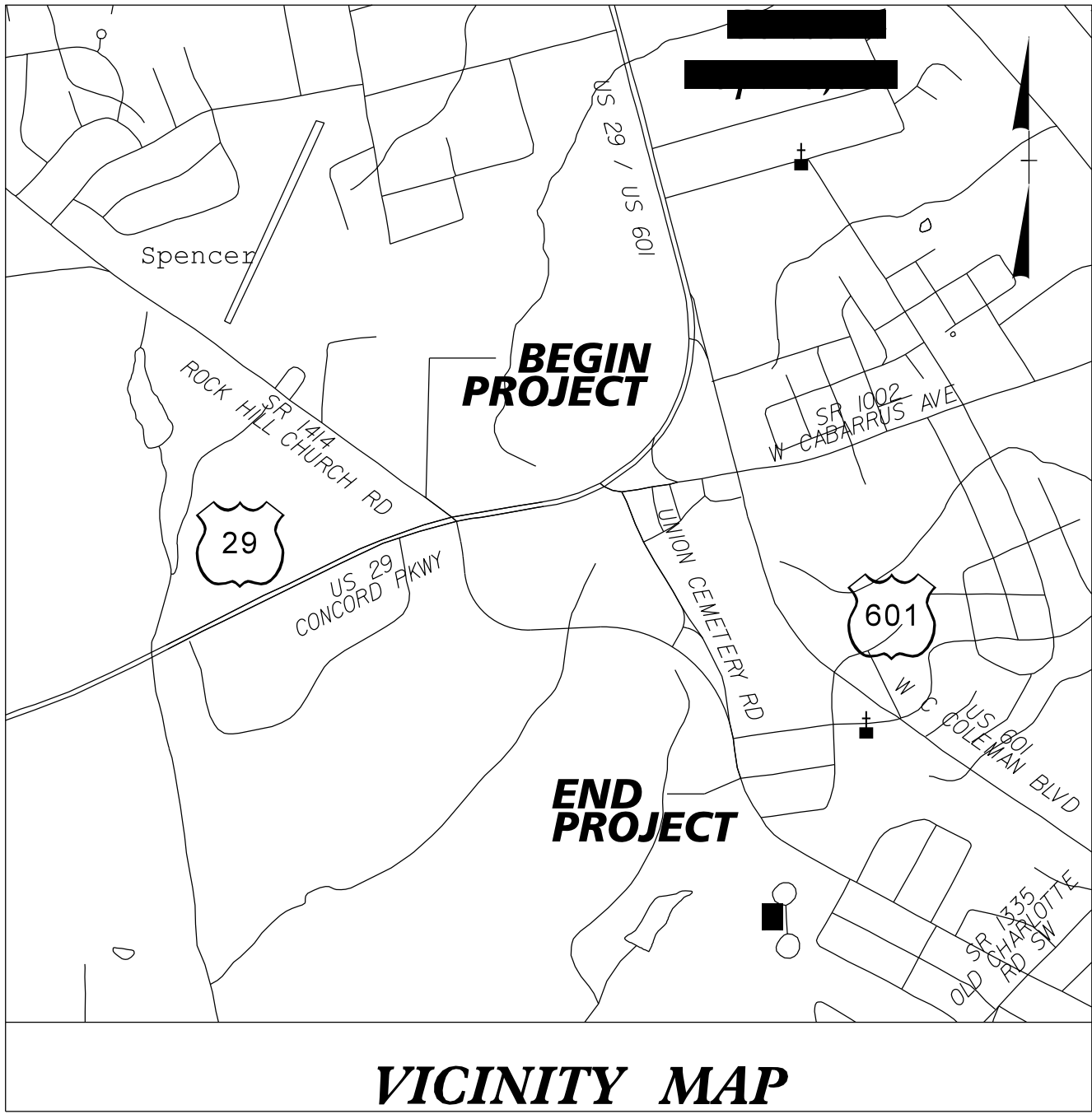


STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	U-5956	RW01	14

TIP PROJECT: U-5956



VICINITY MAP

Note: Not to Scale

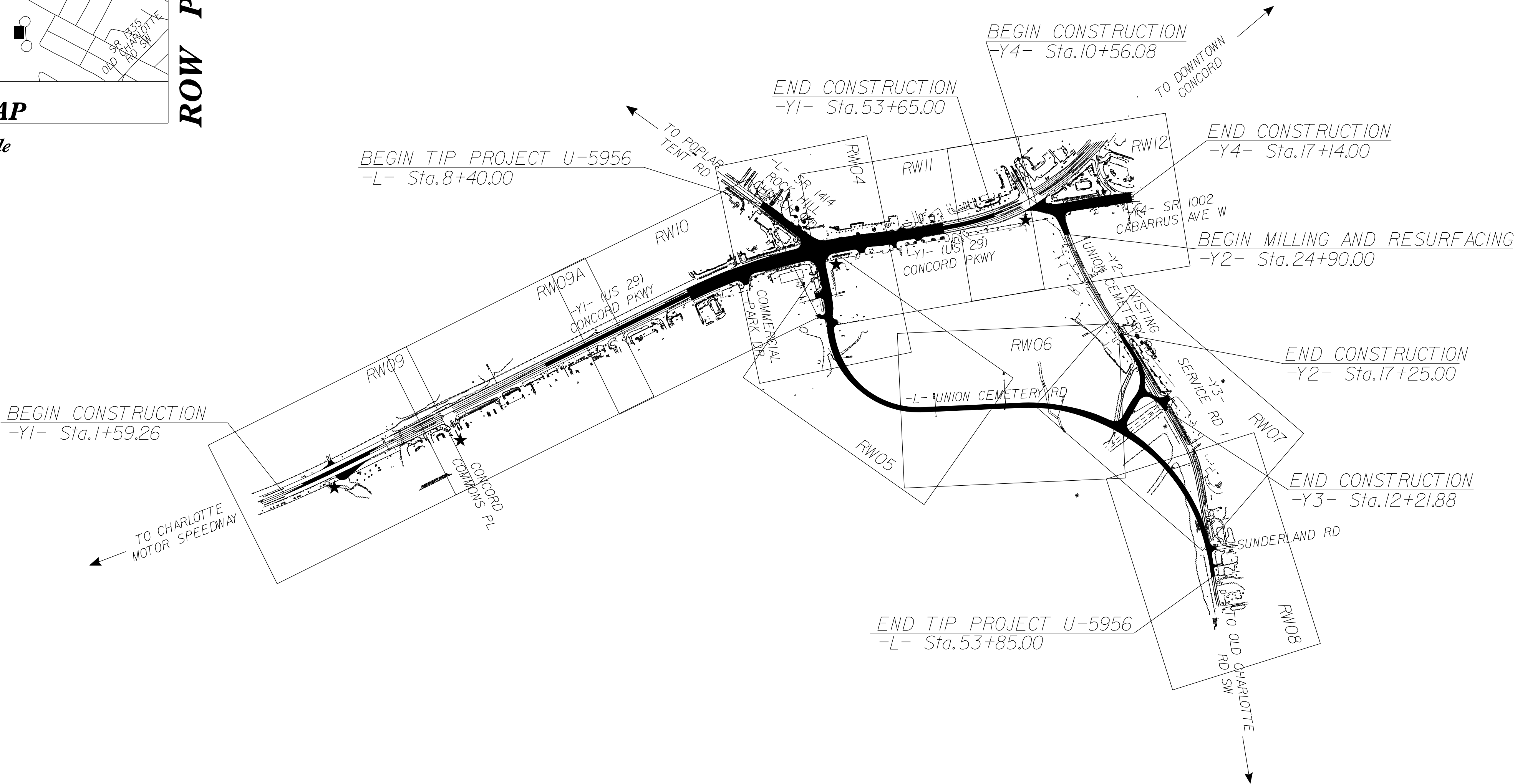
ROW PLANS

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

SURVEY CONTROL, EXISTING CENTERLINES,
RIGHT OF WAY, EASEMENTS AND PROPERTY TIES

CABARRUS COUNTY

REALIGN UNION CEMETERY ROAD TO INTERSECT US 29 AT
ROCK HILL CHURCH ROAD AND CONSTRUCT IMPROVEMENTS
ALONG US 29 FROM 0.6 MILE WEST OF ROCK HILL CHURCH
ROAD TO JUST EAST OF ROCK HILL CHURCH ROAD



NAD 83/NA 2011

GRAPHIC SCALE



PLANS

DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCGS FOR MONUMENT "U5956-4" WITH NAD 83/NA 2011 STATE PLANE GRID COORDINATES OF NORTHING: 602591.781(ft) EASTING: 1518112.550(ft) ELEVATION: 642.88(ft) THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.9998450192 THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "U5956-4" TO -L- STATION 8+40.00 IS N 81°30'58" W 1036.8464(ft) ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES VERTICAL DATUM USED IS NAVD 88

Prepared in the Office of:



DRMP NC, INC.

NC License No: C-4923
4325 South Stream Blvd, Suite 150
Charlotte, NC 28217
PHONE: (833) 811 3767

2024 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:
6/17/2022

LETTING DATE:
1/20/2026

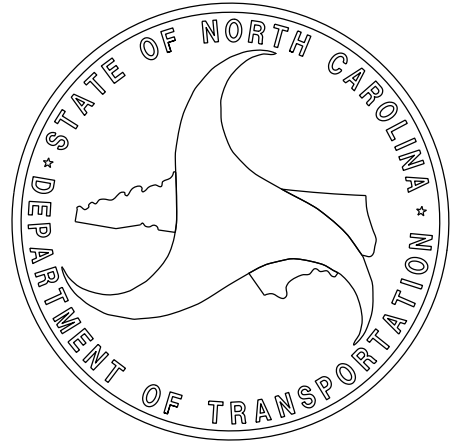
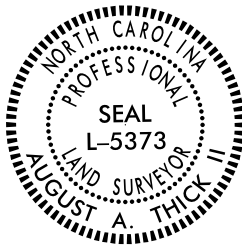
PROFESSIONAL LAND
SURVEYOR

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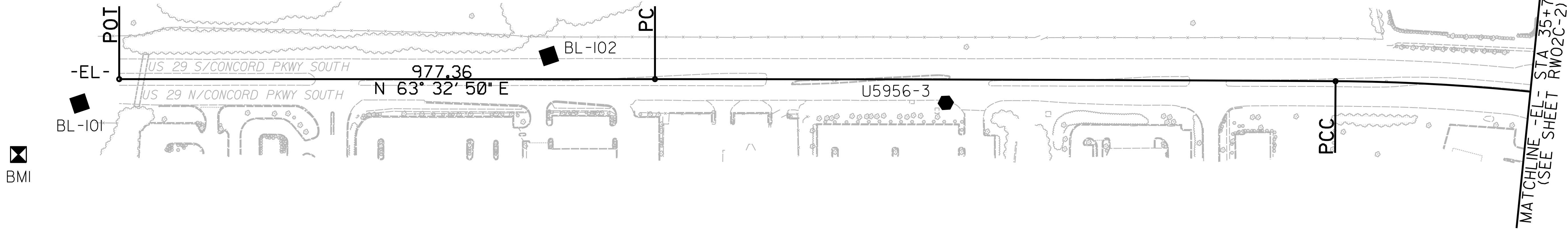
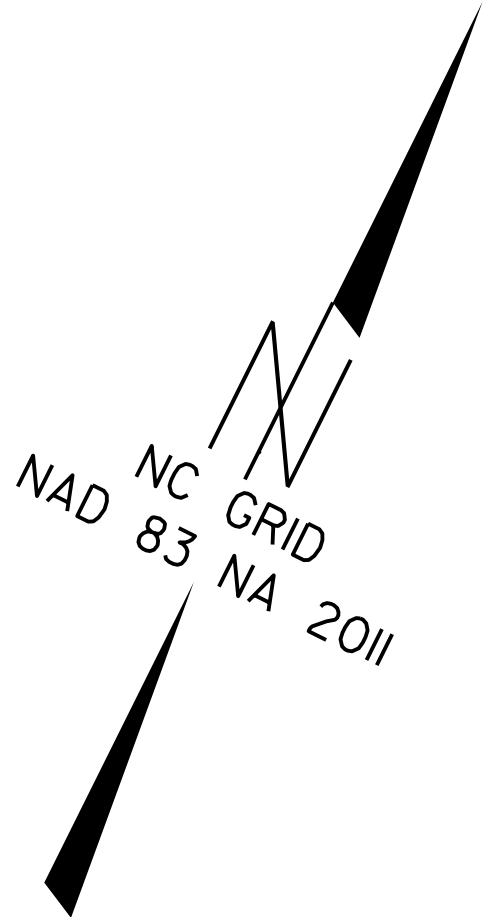
1/11/2025
Date:



PROJECT REFERENCE NO.	SHEET NO.
U-5956	RW02C-1
Location and Surveys	

SURVEY CONTROL SHEET

W/EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

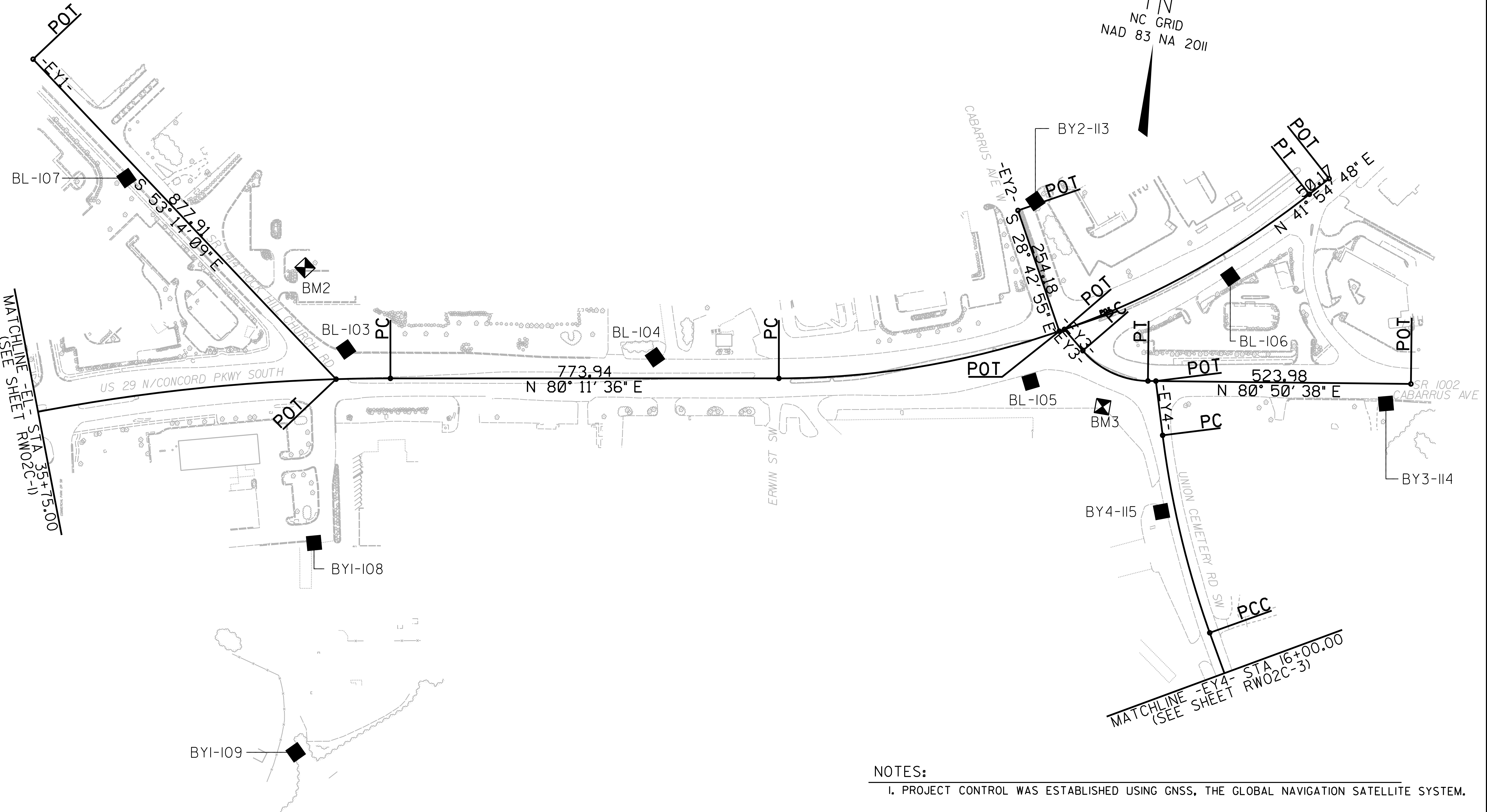


NOTES:

1. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
2. THE SURVEY CONTROL DATA FOR THIS PROJECT HAS BEEN COMPILED FROM VARIOUS SOURCES. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.

PROJECT REFERENCE NO.	SHEET NO.
U-5956	RW02C-2
Location and Surveys	

SURVEY CONTROL SHEET
W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

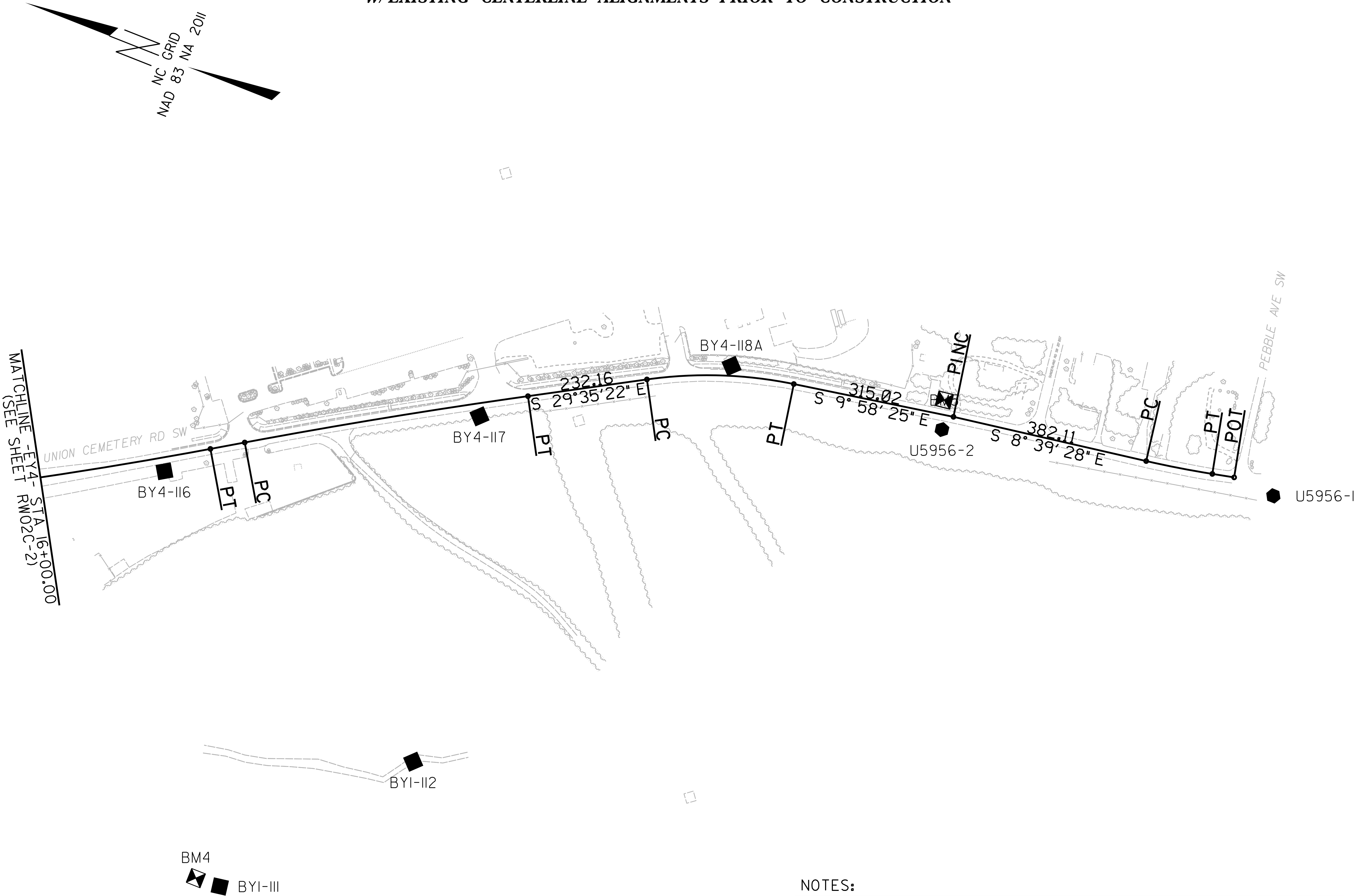


- NOTES:**
1. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
 2. THE SURVEY CONTROL DATA FOR THIS PROJECT HAS BEEN COMPILED FROM VARIOUS SOURCES. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.

PROJECT REFERENCE NO.	SHEET NO.
U-5956	RW02C-3
Location and Surveys	

SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION



NOTES:

1. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
2. THE SURVEY CONTROL DATA FOR THIS PROJECT HAS BEEN COMPILED FROM VARIOUS SOURCES. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.

6/2/99

REVISIONS

22-APR-2019 13:38
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dstopies At LS10-29-087

PROJECT REFERENCE NO.	SHEET NO.
U-5956	RW02C-4
Location and Surveys	

SURVEY CONTROL SHEET
W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

BL	POINT	DESC.	NORTH	EAST	ELEVATION
101		BL - 101	601258.4500	1515518.9240	641.50
102		BL - 102	601717.3630	1516246.6680	655.18
103		BL - 103	602683.5980	1518462.2690	758.15
104		BL - 104	602773.1110	1519071.3740	765.28
105		BL - 105	602852.6830	1519817.1570	766.35
106		BL - 106	603126.8580	1520173.5110	762.63

BY1	POINT	DESC.	NORTH	EAST	ELEVATION
107		BL - 107	602945.5840	1517973.2000	740.95
103		BL - 103	602683.5980	1518462.2690	758.15
108		BY1 - 108	602292.7970	1518465.1910	749.58
109		BY1 - 109	601875.5580	1518500.1540	740.45
110		BY1 - 110	601488.3310	1519227.6940	739.61
111		BY1 - 111	601732.9820	1519688.7910	737.02
112		BY1 - 112	601473.9900	1520050.5300	758.08
118		BY4 - 118A	601183.1660	1520988.0360	752.46

BY2	POINT	DESC.	NORTH	EAST	ELEVATION
113		BY2 - 113	603209.1520	1519765.2710	757.33
105		BL - 105	602852.6830	1519817.1570	766.35

BY3	POINT	DESC.	NORTH	EAST	ELEVATION
105		BL - 105	602852.6830	1519817.1570	766.35
114		BY3 - 114	602930.3090	1520522.1580	760.70

BY4	POINT	DESC.	NORTH	EAST	ELEVATION
105		BL - 105	602852.6830	1519817.1570	766.35
115		BY4 - 115	602642.0820	1520118.2140	760.93
116		BY4 - 116	602127.4180	1520395.6830	762.48
117		BY4 - 117	601600.3000	1520718.3230	756.81
118		BY4 - 118A	601183.1660	1520988.0360	752.46

*****	*****
BM1 ELEVATION = 633.20	BM2 ELEVATION = 758.16
N 601125 E 1515461	N 602830 E 1518354
BRIDGE SPIKE IN 13' OAK	'X' IN CONC LP BASE
*****	*****
BM3 ELEVATION = 767.70	BM4 ELEVATION = 740.74
N 602828 E 1519967	N 601782 E 1519687
'X' CUT IN CONC LP BASE	BRIDGE SPIKE IN 25 1/2" OAK
*****	*****
BM5 ELEVATION = 753.98	
N 600777 E 1521078	
BRIDGE SPIKE IN 28' OAK	

- NOTES:
- PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
 - THE SURVEY CONTROL DATA FOR THIS PROJECT HAS BEEN COMPILED FROM VARIOUS SOURCES. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.

REVISIONS

6/2/99

22-APR-2019 13:35
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dstopies - AT LS10-29-087

PROJECT REFERENCE NO.	SHEET NO.
U-5956	RW02C-5
Location and Surveys	

SURVEY CONTROL SHEET
W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

EL									
POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	601330.452	1515563.938							
LINE			N 63°32'49.9" E	977.36					
PC	601765.826	1516438.968							
CURVE			N 63°43'07.4" E	1241.52	00°20'35.0*(RT)	00°01'39.5"	1241.52	620.76	207353.88
PT	602315.544	1517552.152							
LINE			S 63°53'24.9" W	0.01					
PC	602315.541	1517552.148							
CURVE			N 72°02'30.4" E	1058.74	16°18'11.0*(RT)	01°32'04.8"	1062.32	534.77	3733.43
PT	602641.975	1518559.305							
LINE			N 80°11'35.9" E	773.94					
PC	602773.796	1519321.938							
CURVE			N 61°03'12.2" E	1118.64	38°16'47.5*(LT)	03°21'31.3"	1139.72	592.05	1705.89
PT	603315.213	1520300.830							
LINE			N 41°54'48.5" E	50.17					
POT	603352.550	1520334.346							

EY1				
POINT	N	E	BEARING	DIST
POT	603147.435	1517749.589		
LINE			S 53°14'09.5" E	877.91
POT	602621.988	1518452.890		

EY2				
POINT	N	E	BEARING	DIST
POT	603184.564	1519734.284		
LINE			S 28°42'55.0" E	254.18
POT	602961.643	1519856.407		

EY3									
POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	602966.943	1519865.926							
LINE			S 50°33'43.4" E	56.08					
PC	602931.320	1519909.235							
CURVE			S 74°51'32.7" E	143.04	48°35'38.6*(LT)	32°57'44.3"	147.42	78.47	173.82
PT	602893.958	1520047.314							
LINE			N 80°50'38.0" E	523.98					
POT	602977.336	1520564.617							

EY4									
POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	602896.472	1520062.912							
LINE			S 16°56'42.6" E	108.95					
PC	602792.252	1520094.666							
CURVE			S 23°12'49.1" E	404.58	12°32'13.1*(LT)	03°05'33.2"	405.39	203.51	1852.70
PCC	602420.423	1520254.137							
CURVE			S 30°48'54.8" E	418.77	02°39'58.3*(LT)	00°38'11.8"	418.81	209.44	9000.09
PT	602060.774	1520468.661							
LINE			S 32°08'54.0" E	67.45					
PC	602003.662	1520504.554							
CURVE			S 30°52'08.0" E	554.68	02°33'32.0*(RT)	00°27'40.6"	554.72	277.41	12420.78
PT	601527.559	1520789.145							
LINE			S 29°35'22.0" E	232.16					
PC	601325.674	1520903.782							
CURVE			S 19°46'53.7" E	283.98	19°36'56.5*(RT)	06°52'25.8"	285.37	144.09	833.53
PT	601058.456	1520999.889							
LINE			S 09°58'25.4" E	315.02					
POT	600748.199	1521054.450							
LINE			S 08°39'27.8" E	382.11					
PC	600370.446	1521111.969							
CURVE			S 10°35'00.7" E	130.23	03°51'05.7*(LT)	02°57'25.1"	130.25	65.15	1937.65
PT	600242.432	1521135.888							
LINE			S 12°30'33.5" E	42.68					
POT	600200.768	1521145.132							

RIGHT OF WAY CONTROL SHEET

ROW MARKER IRON PIN AND CAP-E				
ALIGN	STATION	OFFSET	NORTH	EAST
L	8+70.00	37.00	602878.4800	1518047.7611
L	8+70.00	30.00	602884.0878	1518051.9507
L	11+70.00	37.00	602698.9238	1518288.0933
L	12+35.00	-31.56	602711.7393	1518382.8826
L	14+37.00	-43.00	602518.3545	1518487.9932
L	14+67.00	35.00	602473.2933	1518417.6122
L	15+79.00	35.00	602363.5788	1518440.1169
L	15+79.00	-43.00	602379.2507	1518516.5263
L	16+32.82	35.00	602311.9032	1518449.7540
**	17+21.69	-43.00	602234.2823	1518539.1412
L	18+84.27	-40.00	602072.3112	1518553.5523
L	18+84.27	-43.00	602072.6321	1518556.5351
L	20+86.31	-40.00	601891.7106	1518604.6163
L	21+17.40	40.00	601827.7892	1518547.3826
L	22+25.00	41.00	601731.6272	1518609.9359
L	22+25.00	-39.00	601781.6239	1518672.3885
L	23+31.00	-35.00	601707.1020	1518738.1884
L	23+31.00	35.00	601654.4319	1518692.0814
L	27+89.41	-35.00	601567.7962	1519135.7333
L	27+89.41	35.00	601497.8669	1519138.8796
L	29+90.00	40.00	601501.8880	1519339.4927
L	29+90.00	35.00	601506.8830	1519339.2680
L	30+40.00	-40.00	601584.0545	1519385.8464
L	30+40.00	-35.00	601579.0596	1519386.0711
L	33+00.00	-40.00	601595.7409	1519645.5836
L	33+00.00	-35.00	601590.7459	1519645.8084
L	33+00.00	35.00	601520.8167	1519648.9547
L	33+00.00	40.00	601515.8217	1519649.1794
L	34+52.76	-35.00	601597.6120	1519798.4119
L	34+52.76	35.00	601527.6828	1519801.5582
L	37+40.00	35.00	601508.2160	1520079.4627
L	37+40.00	-35.00	601577.0237	1520092.3273
L	38+45.00	-41.00	601568.5406	1520199.0650
L	39+60.00	-40.50	601521.3073	1520311.7829
L	39+60.00	40.50	601445.5234	1520283.1857
L	40+53.00	-41.00	601484.5542	1520400.4807
L	41+10.00	92.00	601340.6061	1520391.7631
L	41+10.00	47.46	601380.0954	1520412.3634
L	41+85.00	44.42	601347.4287	1520476.8588
L	41+85.00	93.00	601305.7850	1520451.8493
L	42+30.00	40.50	601327.7077	1520515.7950
L	42+30.00	-41.00	601396.0206	1520560.2427
L	43+50.00	-41.00	601323.5508	1520660.7239
L	44+50.00	35.00	601200.5645	1520686.8740
L	44+50.00	-35.00	601251.6474	1520734.7335
**	48+72.63	-35.00	600907.1426	1520996.0382
L	52+63.00	29.83	600517.4126	1521059.2448
L	52+63.00	35.00	600516.5511	1521054.1518

ROW MARKER IRON PIN AND CAP-E				
ALIGN	STATION	OFFSET	NORTH	EAST
Y2	10+80.00	-46.00	601492.3535	1520474.4643
Y2	10+80.00	35.00	601452.2637	1520544.8475
Y2	12+00.00	-46.00	601596.6250	1520533.8566
Y2	12+30.00	35.00	601582.6031	1520619.0880
Y2	13+00.00	-35.00	601673.4840	1520583.6802
Y2	14+08.48	-35.00	601765.8259	1520590.0680
Y2	15+08.48	-30.00	601848.7421	1520565.2112
Y2	25+35.00	-30.00	602755.4067	1520074.7714
Y2	26+30.92	-55.00	602840.2562	1520022.5436

ROW MARKER IRON PIN AND CAP-E				
ALIGN	STATION	OFFSET	NORTH	EAST
Y3	10+80.00	30.00	601598.5538	1520674.6700
Y3	12+21.88	30.00	601512.7452	1520763.0572

ROW MARKER IRON PIN AND CAP-E				
ALIGN	STATION	OFFSET	NORTH	EAST
Y4	11+25.00	-50.00	602946.9774	1519984.0323

** POINT COULD NOT BE SET DUE TO OBSTRUCTION

ROW MARKER IRON PIN AND CAP-E				
ALIGN	STATION	OFFSET	NORTH	EAST
Y1	5+02.00	60.00	601054.8285	1515144.4218
Y1	5+02.00	80.00	601036.8677	1515153.2200
Y1	5+75.00	105.00	601047.1246	1515230.2078
Y1	7+60.00	60.00	601169.8234	1515375.7928
Y1	7+60.00	80.00	601151.9174	1515384.7020
Y1	35+63.00	60.00	602396.4605	1517889.0193
Y1	35+79.74	92.43	602371.9260	1517915.8235
Y1	36+33.24	120.00	602363.9550	1517974.1159
Y1	36+62.00	75.00	602415.7294	1517985.4710
Y1	37+20.00	65.00	602443.5933	1518036.0928
Y1	40+07.00	-60.00	602643.6098	1518276.5372
Y1	40+48.00	65.00	602531.8720	1518345.9485
Y1	40+72.00	81.00	602521.6687	1518372.5113
Y1	42+22.00	-60.00	602690.3831	1518489.8956
Y1	42+28.22	60.00	602573.6083	1518518.2207
Y1	57+35.00	60.00	602967.7636	1519983.8591

PROJECT REFERENCE NO.

U5956

SHEET NO.

RW03E-1

Location and Surveys

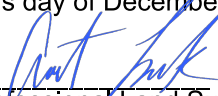




DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

I, August A. Thicke, certify that the right of way and permanent easement monumentation for this project shown herein was completed under my direct and responsible charge from an actual survey made under my supervision; that all horizontal closures had a minimum ratio of precision of 1:10,000 (Class A). Field work was performed from October to November 2022 and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This day of December, 7th 2022


Professional Land Surveyor L-5373

NOTES:

1. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
3. RIGHT OF WAY MONUMENTATION ESTABLISHED OCTOBER TO NOVEMBER 2022 .

RIGHT OF WAY CONTROL SHEET

ROW MARKER PERMANENT EASEMENT-E				
ALIGN	STATION	OFFSET	NORTH	EAST
L	8+55.00	30.00	602893.0656	1518039.9341
L	8+70.00	42.00	602874.4745	1518044.7685
L	11+76.05	50.00	602684.8872	1518285.1608
L	12+55.00	-47.06	602706.2897	1518410.1896
L	12+55.00	-69.00	602721.1478	1518426.3332
L	14+29.00	-62.00	602530.0091	1518504.9982
L	14+29.00	58.20	602505.8571	1518387.2527
L	14+29.00	67.00	602504.0882	1518378.6292
L	14+60.00	-63.00	602499.8424	1518512.2068
L	14+60.00	-43.00	602495.8236	1518492.6147
L	14+80.00	-63.00	602480.2503	1518516.2256
L	14+80.00	-43.00	602476.2315	1518496.6335
L	15+64.00	-61.00	602397.5617	1518531.1451
L	15+90.00	64.00	602347.4269	1518413.7868
L	15+93.00	43.00	602348.6363	1518434.9506
L	16+34.28	50.00	602308.0307	1518435.1936
L	16+36.37	71.00	602302.6086	1518414.8069
L	16+63.87	54.00	602279.1874	1518435.6681
L	16+66.41	75.00	602273.7553	1518415.2440
L	17+41.00	40.00	602206.2002	1518458.6838
L	17+45.79	61.53	602199.1382	1518437.7846
L	17+70.00	63.61	602174.8412	1518438.3163
L	17+70.00	40.00	602177.3666	1518461.7863
L	17+83.00	-43.00	602173.3209	1518545.7008
L	17+83.00	-63.00	602175.4606	1518565.5860
L	17+95.00	87.00	602147.4818	1518417.7307
L	17+96.91	65.91	602147.8362	1518438.9073
L	18+03.00	-43.00	602153.4357	1518547.8405
L	18+03.00	-64.00	602155.6824	1518568.7199
L	18+68.00	-43.00	602088.8087	1518554.7940
L	18+68.00	-68.00	602091.4834	1518579.6510
L	20+25.00	-105.00	601966.3354	1518643.9631
L	20+54.00	-40.00	601919.2795	1518592.4054
L	20+63.00	-117.00	601941.8797	1518666.4263
L	20+92.00	-40.55	601887.1661	1518607.4140
L	20+99.00	40.00	601845.1903	1518538.3144
L	21+24.00	87.00	601798.8013	1518509.6737
L	21+33.00	38.87	601813.8180	1518556.4709
L	21+49.00	71.00	601782.4116	1518537.7374
L	23+39.00	-35.00	601702.1780	1518743.8896
L	23+39.00	-68.00	601727.2958	1518765.2928
L	23+61.00	-68.00	601714.9191	1518780.3688
L	23+61.00	-35.00	601689.0336	1518759.9008
L	26+89.00	-35.00	601571.4512	1519041.3626
L	26+89.00	-51.00	601587.3315	1519043.3159
L	27+11.00	-51.00	601585.2409	1519063.3359
L	27+11.00	-35.00	601569.2996	1519061.9661
L	28+40.00	-35.00	601570.0701	1519186.2733
L	28+40.00	-51.00	601586.0539	1519185.5541
L	28+60.00	-51.00	601586.9529	1519205.5339
L	28+60.00	-35.00	601570.9691	1519206.2531
L	30+40.00	-51.00	601595.0434	1519385.3520
L	30+60.00	-51.00	601595.9424	1519405.3318
L	30+60.00	-40.00	601584.9535	1519405.8262
L	31+12.00	116.00	601431.4484	1519464.7854
L	31+12.00	40.00	601507.3716	1519461.3694
L	31+40.00	-68.00	601616.5210	1519484.4868
L	31+40.00	-40.00	601588.5493	1519485.7453
L	31+55.00	40.00	601509.3044	1519504.3260
L	31+55.00	116.00	601433.3812	1519507.7420
L	31+57.00	-92.00	601641.2608	1519500.3909
L	31+69.00	-40.00	601589.8528	1519514.7160
L	31+80.00	-86.00	601636.3007	1519523.6373
L	32+90.00	58.00	601497.3905	1519639.9986
L	32+90.00	40.00	601515.3723	1519639.1895
L	32+90.00	-55.00	601610.2763	1519634.9195
L	32+90.00	-40.00	601595.2914	1519635.5937
L	33+10.00	35.00	601521.2662	1519658.9446
L	33+10.00	58.00	601498.2894	1519659.9784
L	33+10.00	-35.00	601591.1954	1519655.7983
L	33+10.00	-55.00	601611.1752	1519654.8993
L	39+85.00	-39.93	601511.4272	1520335.6271
L	39+85.00	-58.00	601528.2004	1520342.3427
L	40+00.00	-77.00	601539.8318	1520364.1521

ROW MARKER PERMANENT EASEMENT-E				
ALIGN	STATION	OFFSET	NORTH	EAST
L	40+41.33	46.44	601409.9583	1520353.4037
L	40+68.54	90.00	601359.6074	1520358.2834
L	40+78.00	-85.00	601512.9536	1520443.1287
L	46+10.00	35.00	601087.2709	1520793.2602
L	46+10.00	-35.00	601131.8266	1520847.2489
L	46+10.00	-58.00	601146.4663	1520864.9881
L	46+10.00	66.00	601067.5390	1520769.3509
L	46+30.00	-58.00	601130.2194	1520878.1793
L	46+30.00	35.00	601072.1791	1520805.5135
L	46+30.00	-35.00	601115.8653	1520860.2082
L	46+30.00	66.00	601052.8323	1520781.2915
L	49+15.00	35.00	600837.9754	1520952.3360
L	49+90.00	44.00	600767.9137	1520973.4506
L	50+06.00	57.00	600748.8364	1520967.0648
L	51+52.00	115.00	600601.7085	1520954.0754
L	51+57.00	70.00	600608.5508	1520998.7924
L	51+64.00	116.00	600590.9112	1520955.8179
L	51+69.00	70.00	600597.5683	1521001.5682
L	51+81.15	-60.00	600616.4412	1521130.7542
L	51+83.81	35.00	600591.9866	1521038.9200
L	51+99.59	48.00	600574.2220	1521029.6438
L	52+15.00	48.00	600559.7343	1521032.7640
L	52+15.00	35.00	600562.3930	1521045.4892
L	52+24.00	-56.12	600571.8151	1521136.5693
L	53+12.00	66.00	600464.0382	1521030.9570
L	53+20.00	-58.00	600474.7952	1521154.7483
L	53+20.00	-68.00	600476.3006	1521164.6343
L	53+31.00	-68.00	600465.4259	1521166.2902
L	53+31.00	-58.00	600463.9206	1521156.4041
L	53+76.00	30.00	600406.1866	1521076.1808
L	53+76.00	45.00	600403.9286	1521061.3517
L	54+15.00	-53.00	600380.1251	1521164.1057
L	54+15.00	-30.00	600376.6629	1521141.3678
L	55+05.00	-47.00	600292.6891	1521173.3347
L	55+07.08	-30.00	600287.3607	1521157.0633

ROW MARKER PERMANENT EASEMENT-E				
ALIGN	STATION	OFFSET	NORTH	EAST
Y1	3+38.00	-60.00	601093.3026	1514944.8953
Y1	3+66.00	-87.00	601129.3576	1514958.7895
Y1	4+11.00	-101.00	601160.7290	1514993.0082
Y1	4+11.00	-87.00	601148.0601	1514998.9663
Y1	4+45.00	111.00	600983.7283	1515114.5500
Y1	4+45.00	60.00	601029.7498	1515092.5721
Y1	4+61.00	73.00	601025.0221	1515112.7866
Y1	4+99.00	-101.00	601198.1189	1515070.9520
Y1	4+99.00	-85.00	601183.7464	1515077.9828
Y1	5+02.00	72.06	601043.9956	1515149.7284
Y1	5+02.00	111.00	601009.0280	1515166.8565
Y1	5+20.00	-60.00	601170.4549	1515107.6180
Y1	5+20.00	-85.00	601192.8714	1515096.5502
Y1	7+93.00	60.00	601184.5236	1515405.3378
Y1	7+93.00	80.00	601166.6176	1515414.2470
Y1	37+65.00	65.00	602457.3132	1518078.1267
Y1	37+65.00	70.00	602452.5486	1518079.6499
Y1	38+00.00	72.00	602460.9424	1518113.0023
Y1	40+48.00	77.00	602520.1980	1518348.7265
Y1	41+92.00	-72.48	602696.8383	1518457.5493
Y1	41+92.00	-82.00	602706.1782	1518455.7041
Y1	42+38.00	80.00	602555.7023	1518531.3158
Y1	43+25.00	60.00	602590.3115	1518612.6833
Y1	43+25.00	82.00	602568.6330	1518616.4304
Y1	43+64.00	-60.00	602715.2007	1518630.6745
Y1	43+72.00	-70.00	602726.4172	1518636.8543
Y1	43+85.00	83.00	602577.8670	1518675.7240
Y1	44+01.00	60.00	602603.2561	1518687.5728
Y1	44+01.00	71.00	602592.4169	1518689.4463
Y1	44+80.00	81.48	602595.5430	1518769.0774
Y1	44+80.00	60.00	602616.7118	1518765.4184
Y1	45+01.00	80.00	602600.5808	1518789.5181
Y1	45+15.50	60.00	602622.7578	1518800.3966
Y1	45+19.00	92.00	602591.8220	1518809.2989
Y1	45+29.00	-62.00	602745.2750	1518792.9228
Y1	45+29.00	-60.00	602743.3042	1518793.2635
Y1	45+40.00	60.00	602626.9313	1518824.5417
Y1	50+26.00	-60.00	602827.9555	1519283.0014
Y1	50+26.00	-71.00	602838.7948	1519281.1278
Y1	50+91.00	-60.00	602839.1696	1519345.7444
Y1	50+91.00	-70.00	602848.9855	1519343.8344

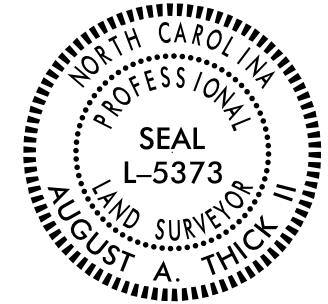
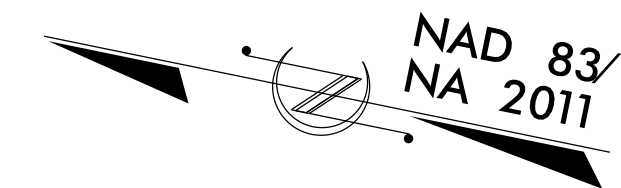
ROW MARKER PERMANENT EASEMENT-E				
ALIGN	STATION	OFFSET	NORTH	EAST
Y2	11+50.00	-81.00	601570.5014	1520478.6973
Y2	11+50.00	-46.00	601553.1786	1520509.1098
Y2	12+38.00	42.81	601585.6876	1520629.8363
Y2	12+43.39	48.33	601587.8623	1520637.4144
Y2	12+72.00	-49.00	601656.2370	1520562.7025
Y2	12+72.00	-40.65	601652.9999	1520570.4014
Y2	13+04.00	-61.00	601683.7275	1520559.5665
Y2	13+37.00	-35.00	601704.5631	1520590.3703
Y2	13+37.00	-50.00	601706.6269	1520575.5130
Y2	13+63.00	-50.00	601727.3406	1520577.2993
Y2	13+63.00	-35.00	601726.8303	1520592.2906
Y2	14+88.00	-33.92	601831.2296	1520570.4611
Y2	15+09.00	-35.00	601846.5784	1520560.6741
Y2	17+11.00	-32.00	602019.3789	1520456.8813
Y2	17+11.00	-30.00	602020.4432	1520458.5746

ROW MARKER PERMANENT EASEMENT-E				
ALIGN	STATION	OFFSET	NORTH	EAST
Y3	11+04.00	30.00	601587.7932	1520692.8337
Y3	11+25.00	42.00	601567.5569	1520700.3958
Y3	11+39.00	30.00	601569.0995	1520717.2803
Y3	11+39.00	42.00	601560.1002	1520709.3422
Y3	12+28.60	83.37	601480.5485	1520719.9619
Y3	12+29.58	90.00	601476.4215	1520714.6848
Y3	18+86.15	-30.00	600919.1279	1521054.8513
** Y3	19+29.00	-55.00	600881.2595	1521086.8942
** Y3	19+30.00	-44.00	600878.3695	1521076.2336
** Y3	19+40.00	-56.00	600870.5989	1521089.7842
** Y3	19+41.00	-46.00	600867.8821	1521080.1086

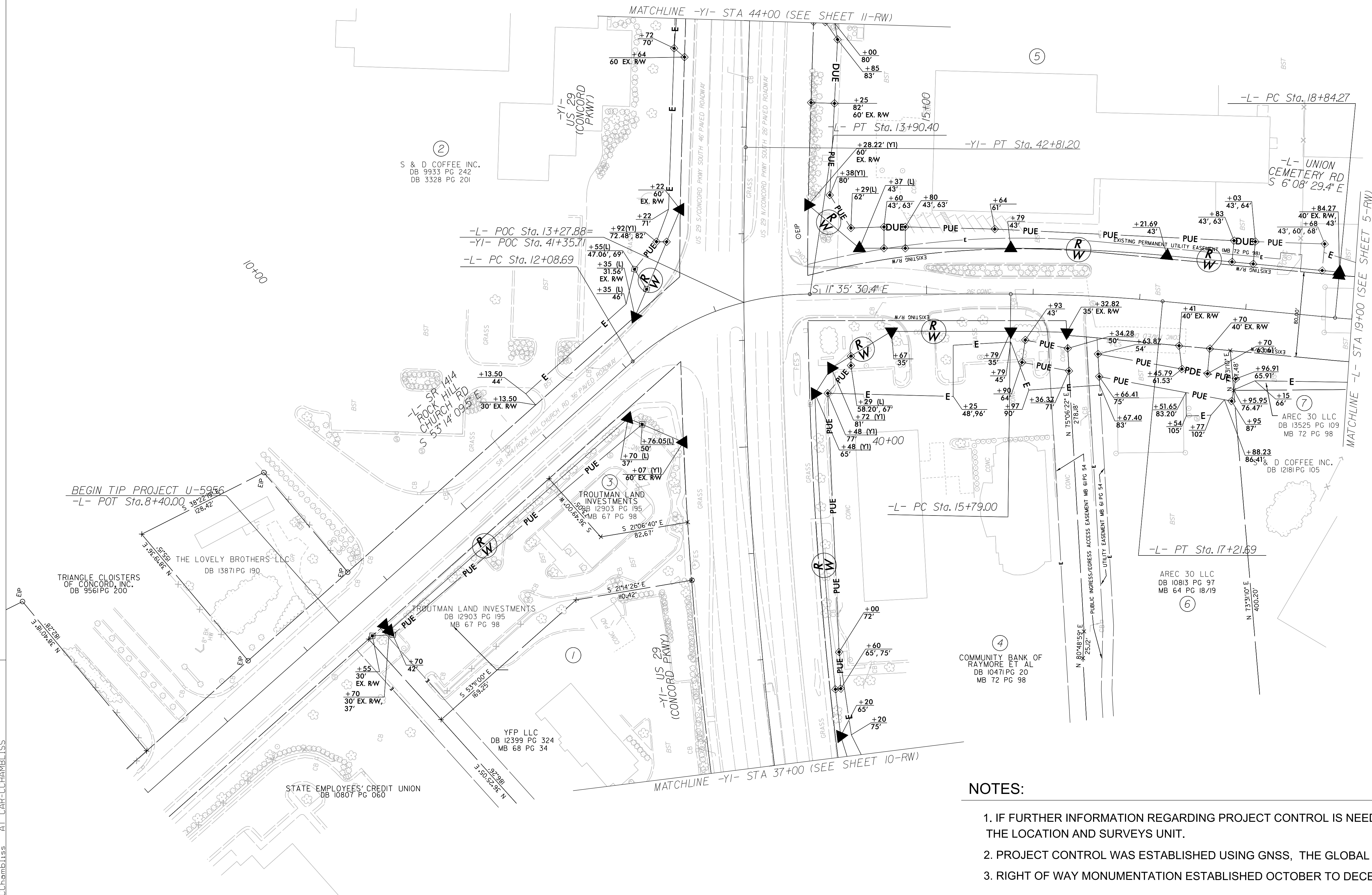
I, August A. Thick, certify that the right of way and permanent easement monumentation for this project shown herein was completed under my direct and responsible charge from an actual survey made under my supervision; that all horizontal closures had a minimum ratio of precision of 1:10,000 (Class A). Field work was performed from _____ to _____, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This day of December 7, 2022

 Professional Land Surveyor L-5373



DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED



NOTES:

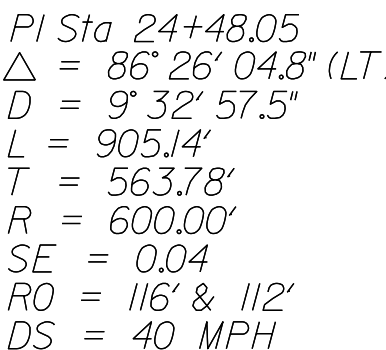
1. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
3. RIGHT OF WAY MONUMENTATION ESTABLISHED OCTOBER TO DECEMBER 2022 .

REVISIONS

6/2/99

06-DEC-2022, 08:32
 I:\Projects\2020-04\31.034_U5956-con_dr-m3\LocationSurveys\Working\RWSheets\U-5956-r-w04.dgn
 At Chambliss AT CAP-CHAMBLISS

Professional Land Surveyor L-5373

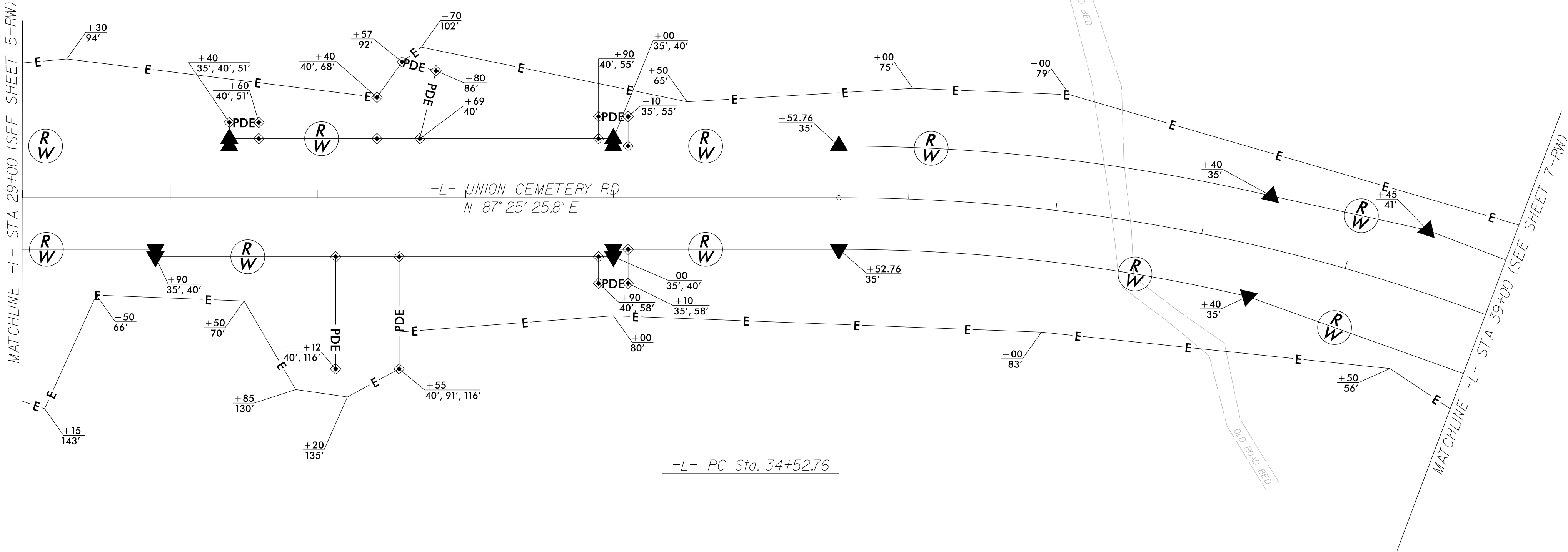
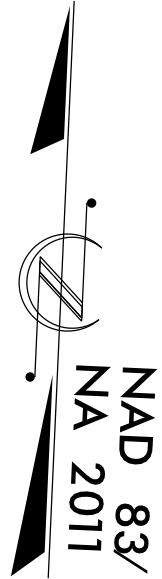


1. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
3. RIGHT OF WAY MONUMENTATION ESTABLISHED OCTOBER TO DECEMBER 2022 .

06-DEC-2022 08:20
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CCHambly at CAR-CCHAMBLISS

6/2/2022 08:27
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C:\hambliss

REVISIONS



- NOTES:
1. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
 2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
 3. RIGHT OF WAY MONUMENTATION ESTABLISHED OCTOBER TO DECEMBER 2022 .

PROJECT REFERENCE NO.	SHEET NO.
U5956	RW06
Location and Surveys	
PROJECT SURVEYOR	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

I, August A. Thick, certify that the right of way and permanent easement monumentation for this project shown herein was completed under my direct and responsible charge from an actual survey made under my supervision; that all horizontal closures had a minimum ratio of precision of 1:10,000 (Class A). Field work was performed from October to November 2022 and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

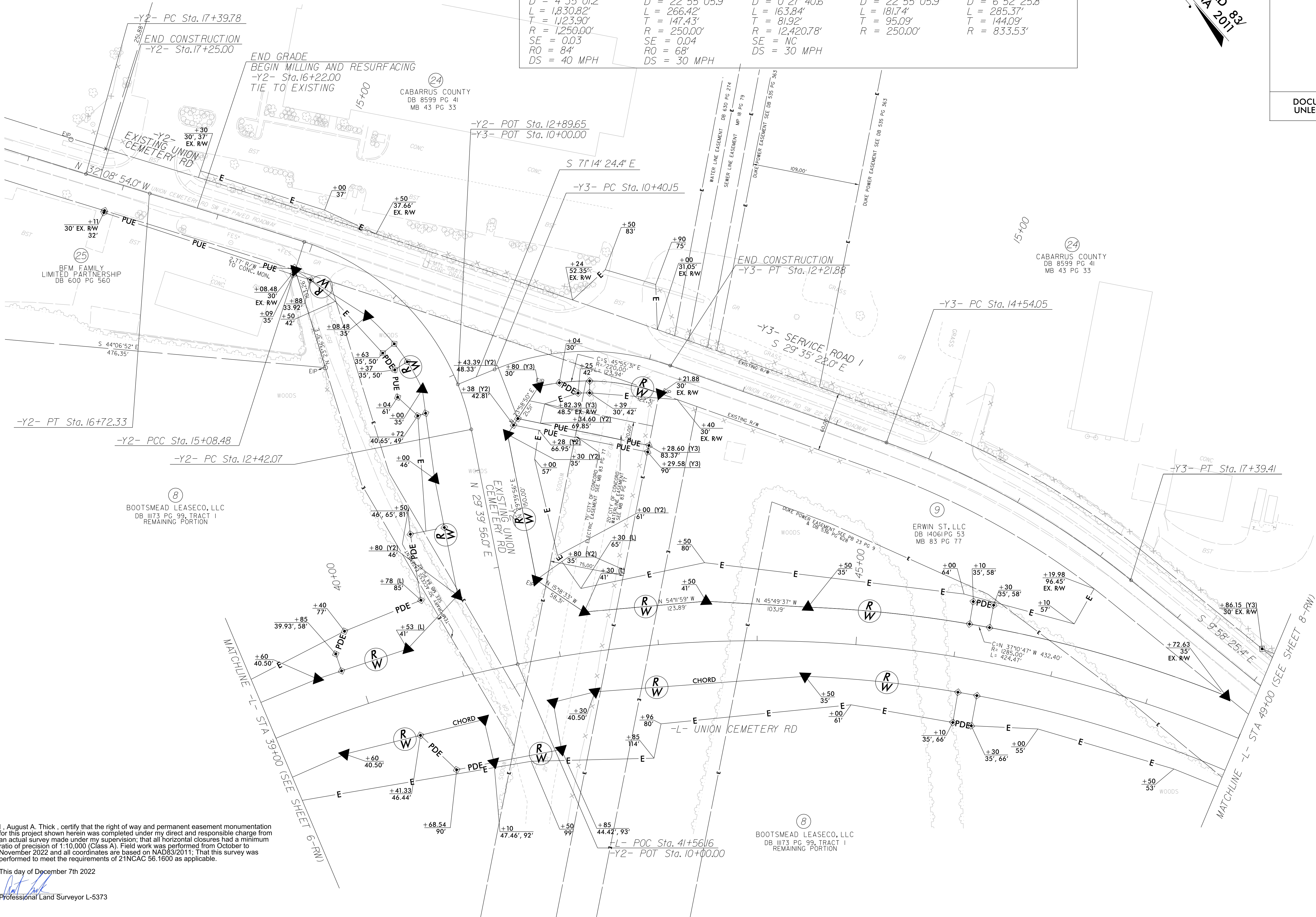
This day of December 7th 2022

Professional Land Surveyor L-5373

NOTES:

1. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
3. RIGHT OF WAY MONUMENTATION ESTABLISHED OCTOBER TO DECEMBER 2022 .

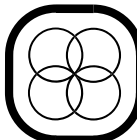
-L-	-Y2-	-Y3-
PI Sta 45+76.65	PI Sta 13+89.50	PI Sta 15+90.41
$\Delta = 83^\circ 55' 06.4''$ (RT)	$\Delta = 6^\circ 03' 29.1''$ (LT)	$\Delta = 0^\circ 45' 20.9''$ (LT)
D = 4' 35" 01.2"	D = 22' 55" 05.9"	D = 0' 27" 40.6"
L = 1830.82'	L = 266.42'	L = 163.84'
T = 1123.90'	T = 147.43'	T = 81.92'
R = 1250.00'	R = 250.00'	R = 12,420.78'
SE = 0.03	SE = 0.04	SE = NC
RO = 84'	RO = 68'	DS = 30 MPH
DS = 40 MPH	DS = 30 MPH	



I, August A. Thick , certify that the right of way and permanent easement monumentation for this project shown herein was completed under my direct and responsible charge from an actual survey made under my supervision; that all horizontal closures had a minimum ratio of precision of 1:10,000 (Class A). Field work was performed from October to November 2022 and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This day of December 7th 2022

Professional Land Surveyor L-5373

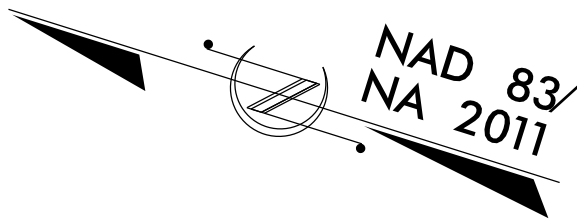
PROJECT REFERENCE NO.	SHEET NO.
U5956	RW07
Location and Surveys	
	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

REVISIONS

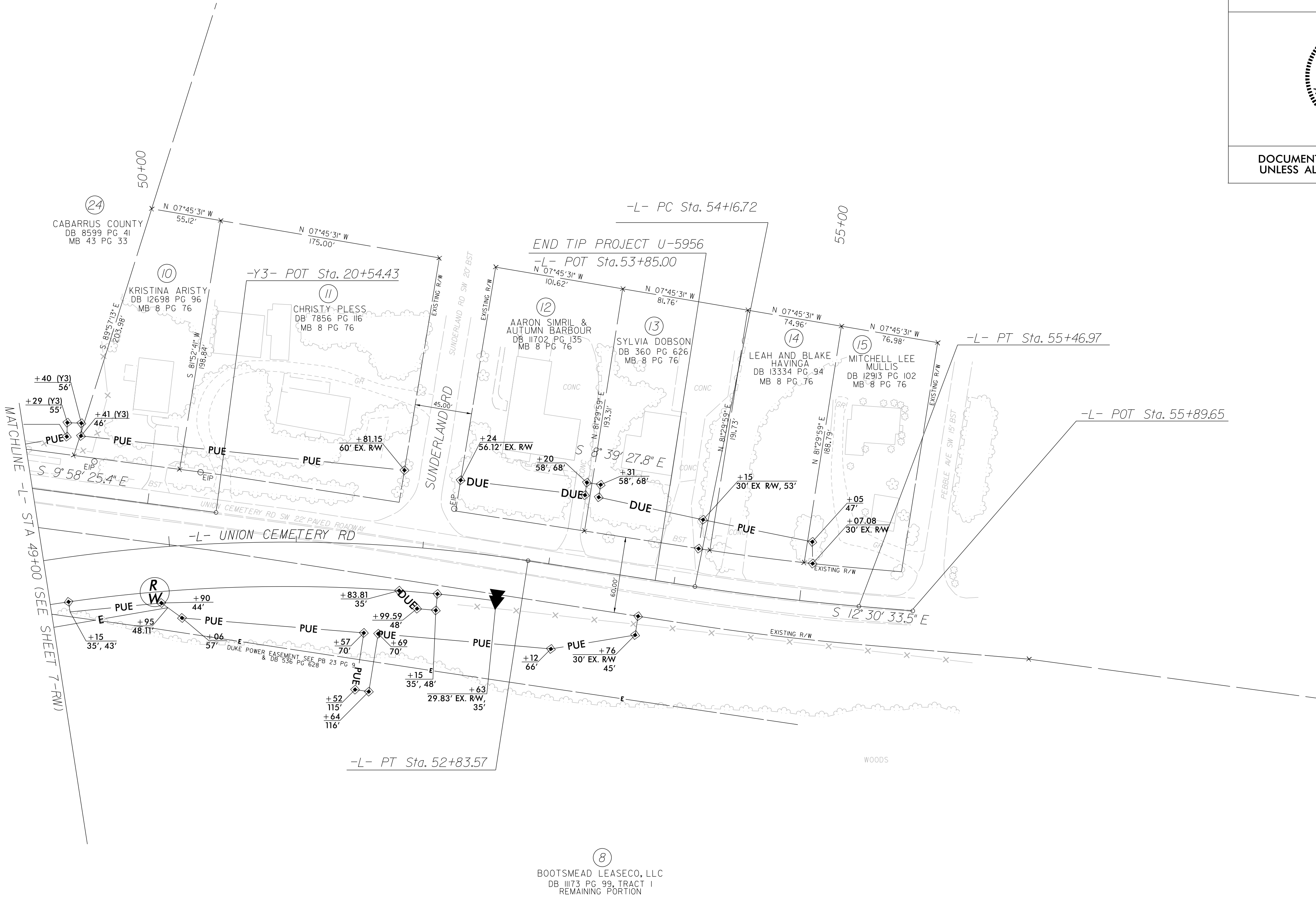
I, August A. Thick, certify that the right of way and permanent easement monumentation for this project shown herein was completed under my direct and responsible charge from an actual survey made under my supervision; that all horizontal closures had a minimum ratio of precision of 1:10,000 (Class A). Field work was performed from October to November 2022 and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This day of December 7th 2022

August A. Thick
Professional Land Surveyor L-5373



PROJECT REFERENCE NO.	SHEET NO.
U5956	RW08
Location and Surveys	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



NOTES:

1. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
3. RIGHT OF WAY MONUMENTATION ESTABLISHED OCTOBER TO DECEMBER 2022 .

-L-	
PI Sta. 45+76.65	PI Sta. 54+81.87
$\Delta = 83^{\circ}55'06.4''$ (RT)	$\Delta = 3^{\circ}51'05.7''$ (LT)
$D = 4^{\circ}35'01.2''$	$D = 2^{\circ}57'25.1''$
$L = 1,830.82'$	$L = 130.25'$
$T = 1,123.90'$	$T = 65.15'$
$R = 1,250.00'$	$R = 1,937.65'$
$SE = 0.03$	
$RO = 84'$	
$DS = 40$ MPH	

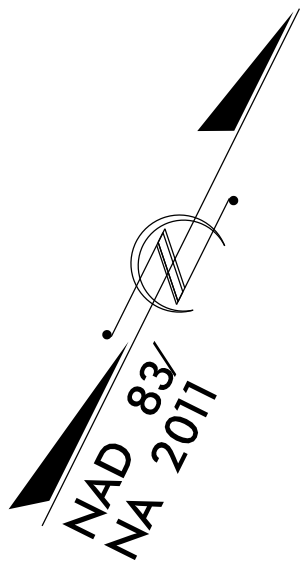
[illegible]

1. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED PLEASE CONTACT
2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
3. RIGHT OF WAY MONUMENTATION ESTABLISHED OCTOBER TO DECEMBER 2022 .

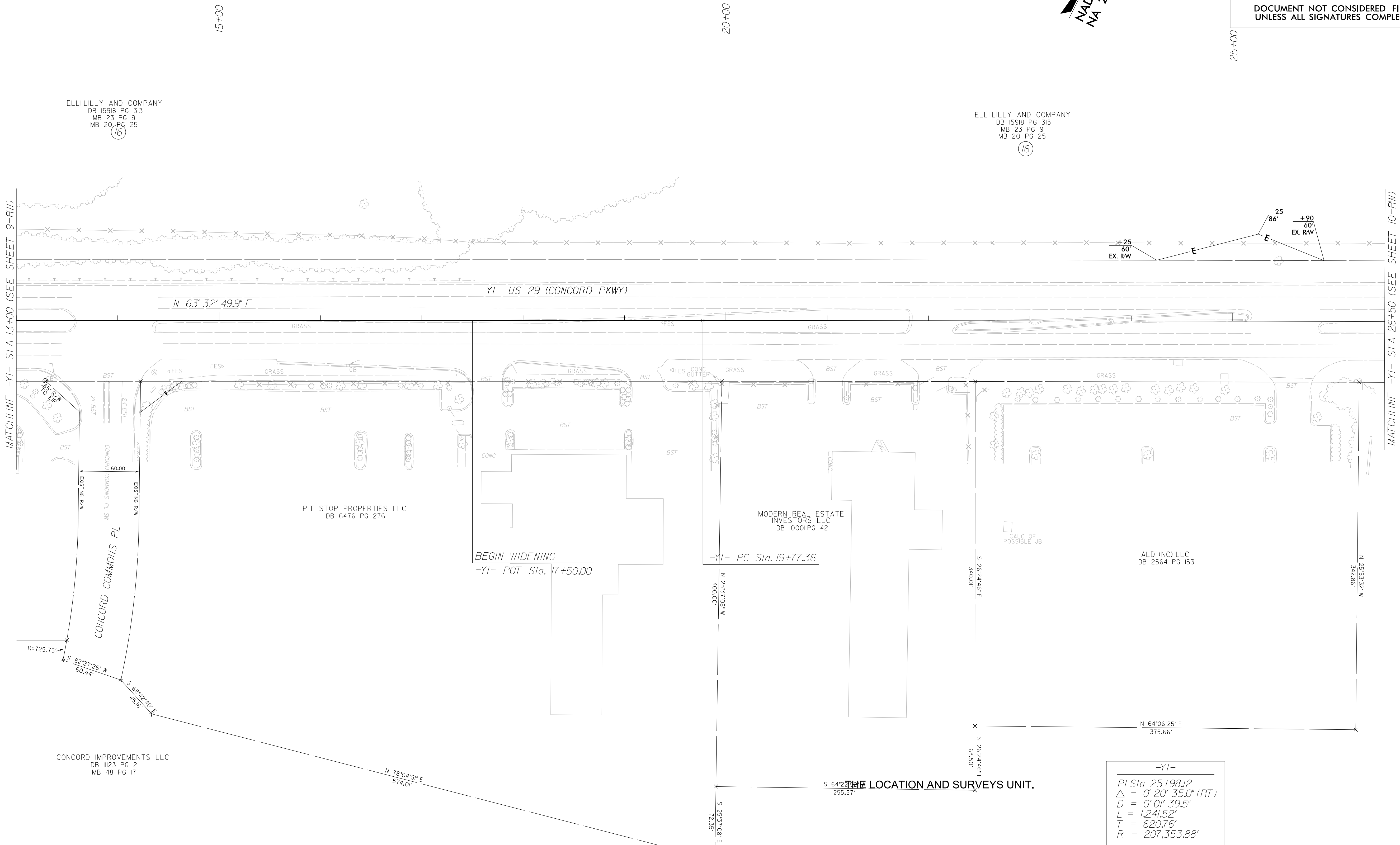
This day of December 7th 2022



Professional Land Surveyor L-5373



PROJECT REFERENCE NO. U5956	SHEET NO. RW09A
Location and Surveys	
	
	
NO CONTRACT OR AGREEMENT SHALL BE VALID UNLESS ALL SIGNATURES ARE COMPLETED	

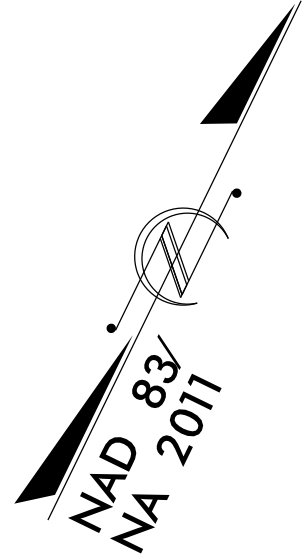
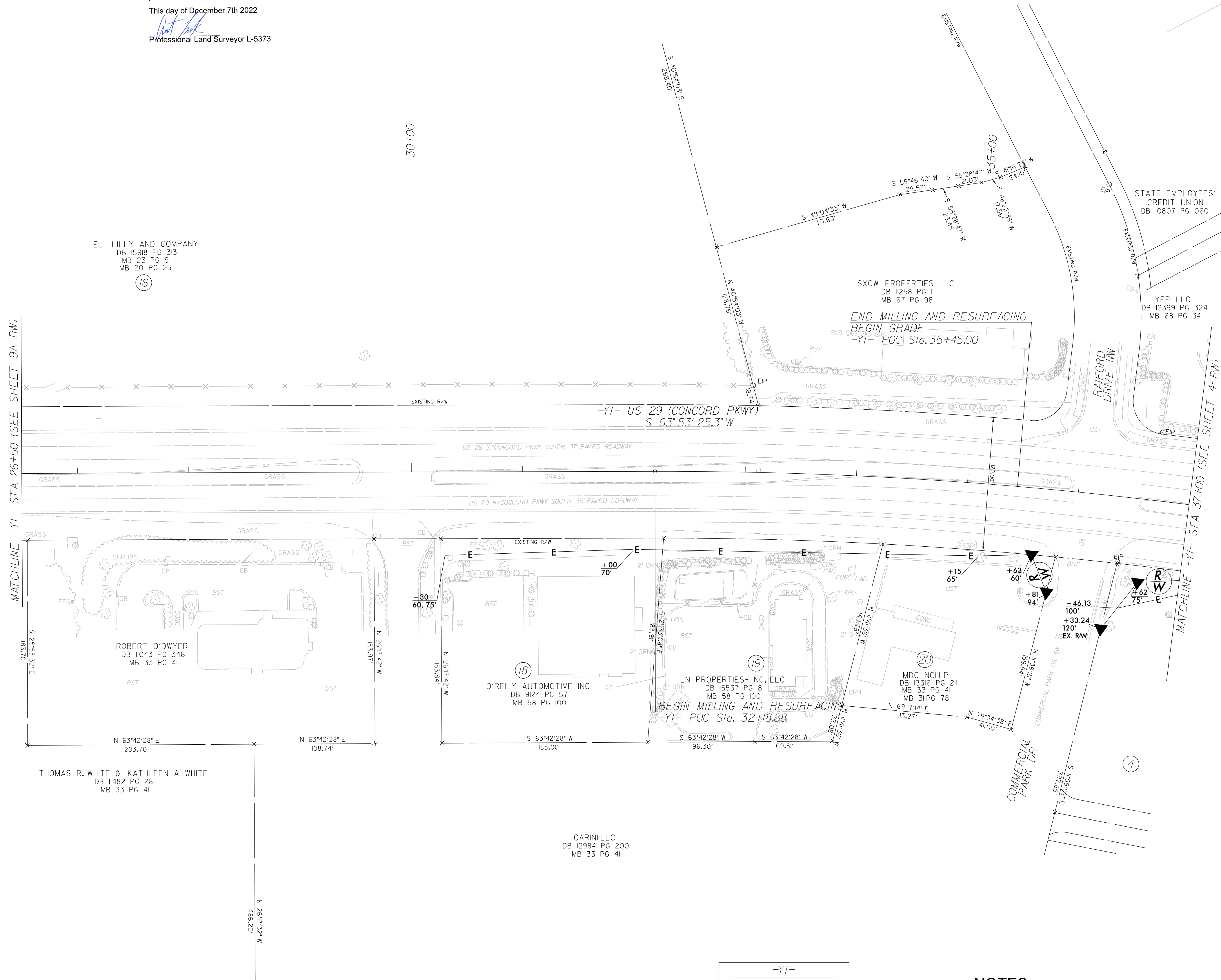


REVISIONS

I, August A. Thick, certify that the right of way and permanent easement monumentation for this project shown herein was completed under my direct and responsible charge from an actual survey made under my supervision; that all horizontal closures had a minimum ratio of precision of 1:10,000 (Class A). Field work was performed from October to November 2022 and all coordinates are based on NAD83(2011). That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This day of December 7th 2022


Professional Land Surveyor L-5373



PROJECT REFERENCE NO.	SHEET NO.
U5956	RW10
Location and Surveys	
	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

NOTES:

1. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
3. RIGHT OF WAY MONUMENTATION ESTABLISHED OCTOBER TO DECEMBER 2022 .

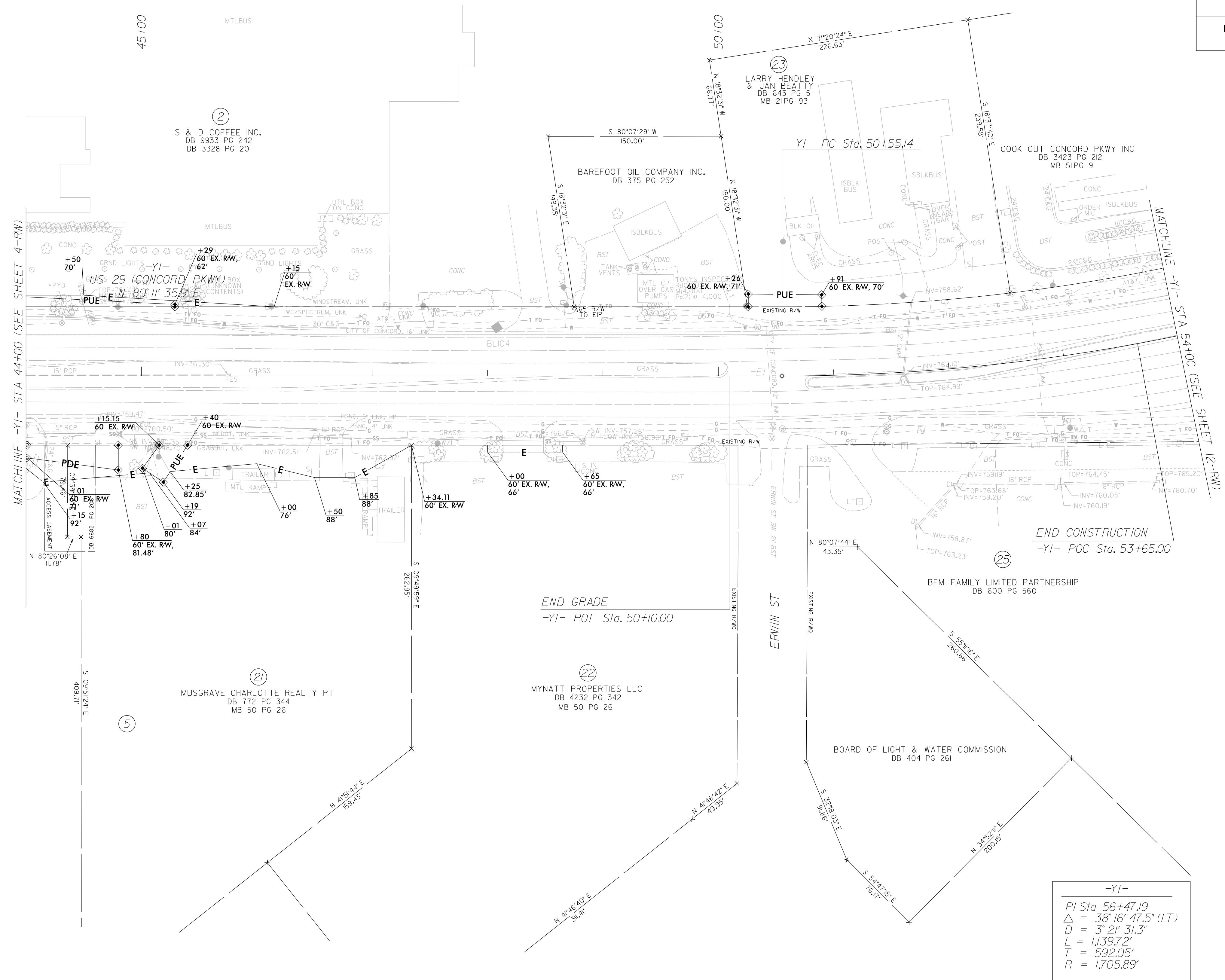
NOTES:

1. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
3. RIGHT OF WAY MONUMENTATION ESTABLISHED OCTOBER TO DECEMBER 2022 .

I, August A. Thick, certify that the right of way and permanent easement monumentation for this project shown herein was completed under my direct and responsible charge from an actual survey made under my supervision; that all horizontal closures had a minimum ratio of precision of 1:10,000 (Class A). Field work was performed from October to November 2022 and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This day of December 7th 2022


Professional Land Surveyor L-5373



REVISIONS

6/2/99

06-DEC-2022 08:47
P:\Projects\2020-0431\034_U5956_con_drm3\LocationSurveys\Working\RWSheets\U-5956_rwl.dgn
Comments AT CAR-CCCHAMBLISS

