

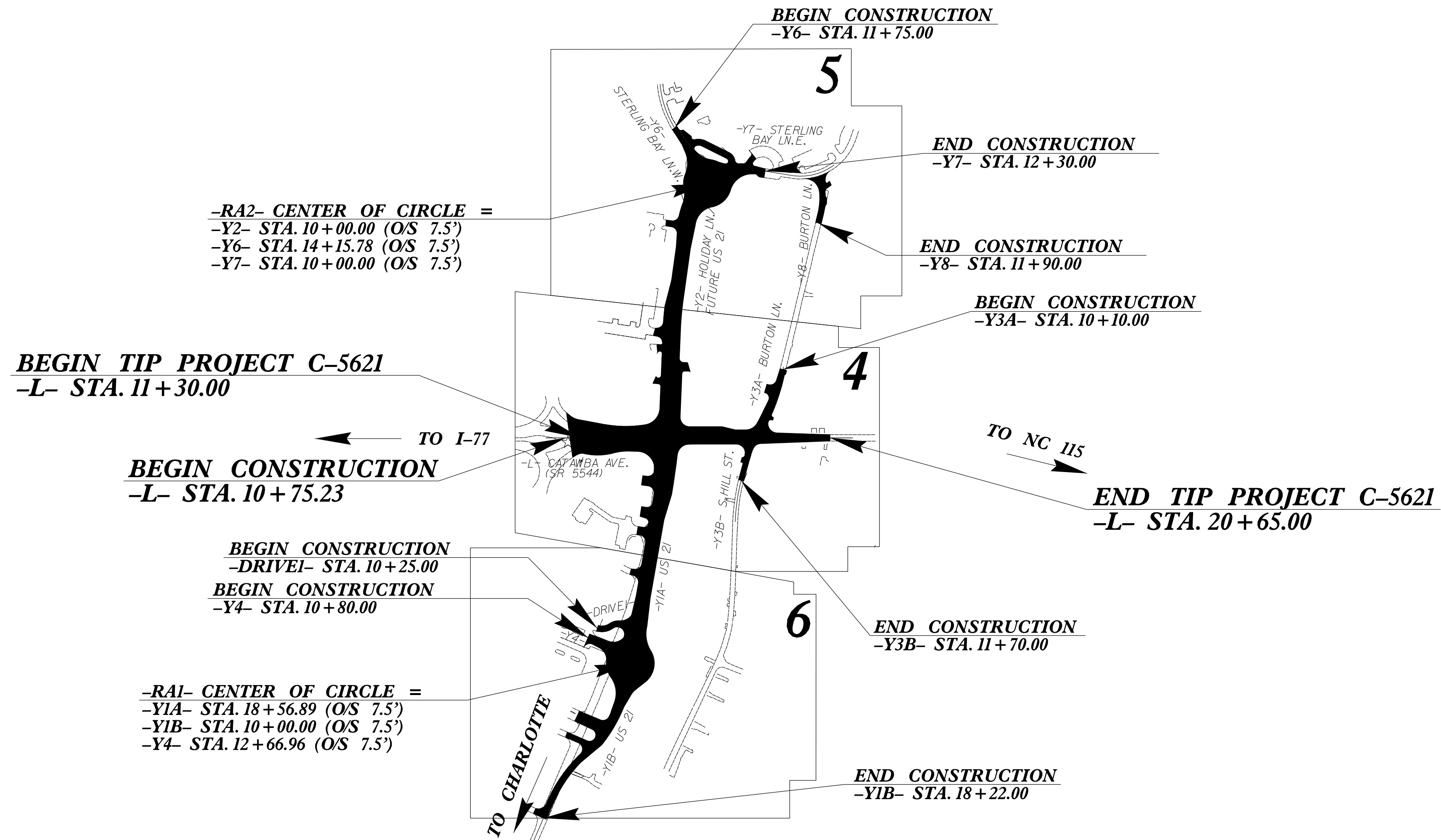
STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	C-5621	RW01	12

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

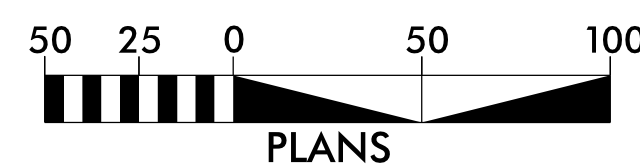
SURVEY CONTROL, EXISTING CENTERLINES,
RIGHT OF WAY, EASEMENTS AND PROPERTY TIES

MECKLENBURG COUNTY

TIP PROJECT: C-5621



GRAPHIC SCALE



DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCGS FOR MONUMENT "I-4733-1" WITH NAD 83/NSRS 2007 STATE PLANE GRID COORDINATES OF NORTHING: 635,992.2910(ft) EASTING: 1,440,674.4240(ft) ELEVATION: 813.26(ft) THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.99984676 THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "I-4733-1" TO -L- STATION 10+00.00 IS N 82-07'30" E 1492.85(ft) ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES NAVD 88

Prepared in the Office of:

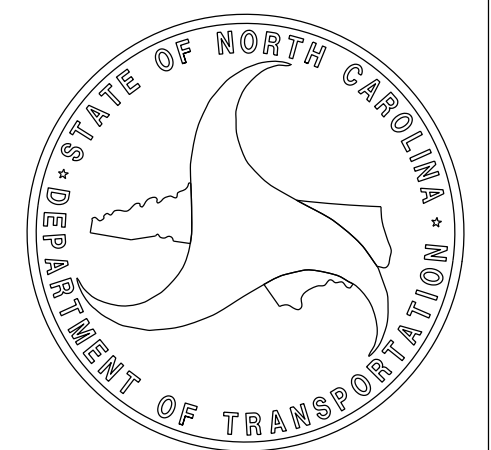
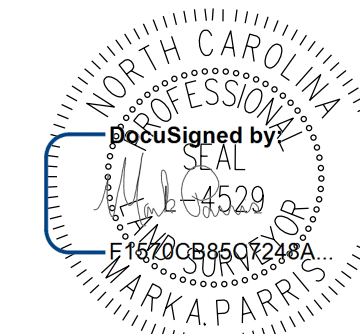


2018 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:
06/26/2019

LETTING DATE:
06/20/2023

PROFESSIONAL LAND SURVEYOR



SIGNATURE: MARK A. PARRIS Date: March 15, 2023

\$\$\$\$\$SYTIME\$\$\$\$\$ DGN\$\$\$\$\$ USERNAME\$\$\$\$\$

REVISIONS

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 pushpman

L

TYPE	STATION	NORTH	EAST
POT	10+00.00	636196.8288	1442153.1967
PC	22+95.00	636336.6444	1443440.6270
PT	26+63.02	636329.6101	1443807.5882
POT	26+77.35	636327.5145	1443821.7583

Y1A

TYPE	STATION	NORTH	EAST
POT	10+00.00	636246.6693	1442614.9802
PC	10+33.61	636213.0645	1442614.8487
PT	12+31.95	636014.8710	1442607.9664
POT	18+56.89	635391.2746	1442567.0559

Y1B

TYPE	STATION	NORTH	EAST
POT	10+00.00	635392.2565	1442552.0881
PC	10+51.18	635341.1858	1442548.7377
PRC	13+93.67	635029.4301	1442421.7568
PT	16+11.00	634840.4515	1442317.4868
POT	20+01.84	634467.1046	1442201.8711

Y2

TYPE	STATION	NORTH	EAST
POT	10+00.00	637214.5455	1442646.9199
PC	10+22.62	637197.4709	1442632.0805
PT	11+32.23	637097.3786	1442592.9195
PC	14+62.23	636767.5311	1442582.8877
PT	15+79.40	636650.4347	1442585.0441
POT	19+84.06	636246.6801	1442612.2302

Y3A

TYPE	STATION	NORTH	EAST
POT	10+00.00	636557.3215	1443010.1114
PC	10+47.18	636510.5401	1443004.0072
PT	12+88.29	636281.4785	1442932.6556

Y3B

TYPE	STATION	NORTH	EAST
POT	10+00.00	636280.5983	1442924.5514
PC	11+48.49	636134.0565	1442900.5556
POT	13+21.68	635961.4388	1442892.8436
PT	13+21.68	635961.4388	1442892.8436

Y4

TYPE	STATION	NORTH	EAST
POT	10+00.00	635494.0504	1442315.0599
PC	11+44.18	635451.2407	1442452.7372
PT	12+16.02	635423.0436	1442518.6756
POT	12+66.96	635398.3231	1442563.2119

Y5

TYPE	STATION	NORTH	EAST
POT	10+00.00	635385.2080	1442555.9322
PC	11+23.43	635325.3072	1442663.8489
PT	12+05.05	635291.6813	1442738.1274
POT	12+99.66	635259.8212	1442827.2099

Y6

TYPE	STATION	NORTH	EAST
PC	10+00.00	637560.1265	1442436.1205
PT	11+78.35	637399.8034	1442510.2439
POT	14+15.78	637214.3070	1442658.4404

Y7

TYPE	STATION	NORTH	EAST
POT	10+00.00	637204.7058	1442658.2416
PC	10+29.05	637226.6289	1442677.2949
PT	11+74.32	637281.4509	1442806.4809
PC	13+30.23	637273.2451	1442962.1754
PT	14+99.18	637329.5678	1443116.6598

Y8

TYPE	STATION	NORTH	EAST
POT	10+00.00	637291.9134	1443060.4260
PC	10+20.49	637273.0703	1443068.4750
PT	11+53.85	637142.5189	1443086.4696
POT	11+96.18	637100.5480	1443080.9931

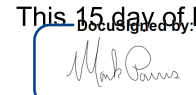
RA1


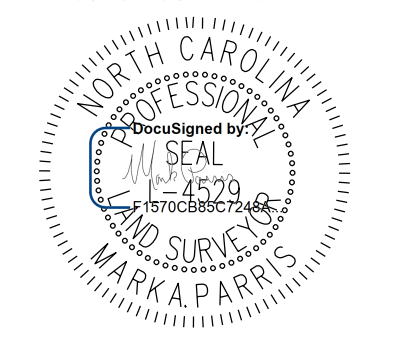
TYPE	STATION	NORTH	EAST
PC	10+00.00	635451.7401	1442557.8249
PT	13+76.87	635451.7363	1442557.7000
POT	13+76.87	635451.7363	1442557.7000

RA2

TYPE	STATION	NORTH	EAST
PC	10+00.00	637149.6789	1442655.1074
PT	13+76.70	637149.6673	1442654.8176

I, Mark A. Parris, 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 03/07/2023 to 03/09/2023, and all coordinates are based on NAD83/2011. That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 15 day of March, 2023.

 Professional Land Surveyor L-4529

PROJECT REFERENCE NO.	SHEET NO.
C-5621	RW02D-1
Location and Surveys	
	
PROJECT SURVEYOR	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

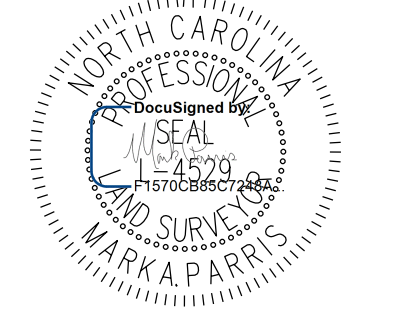
NOTES:

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 03/07/2023 TO 03/09/2023 .

Location and Surveys

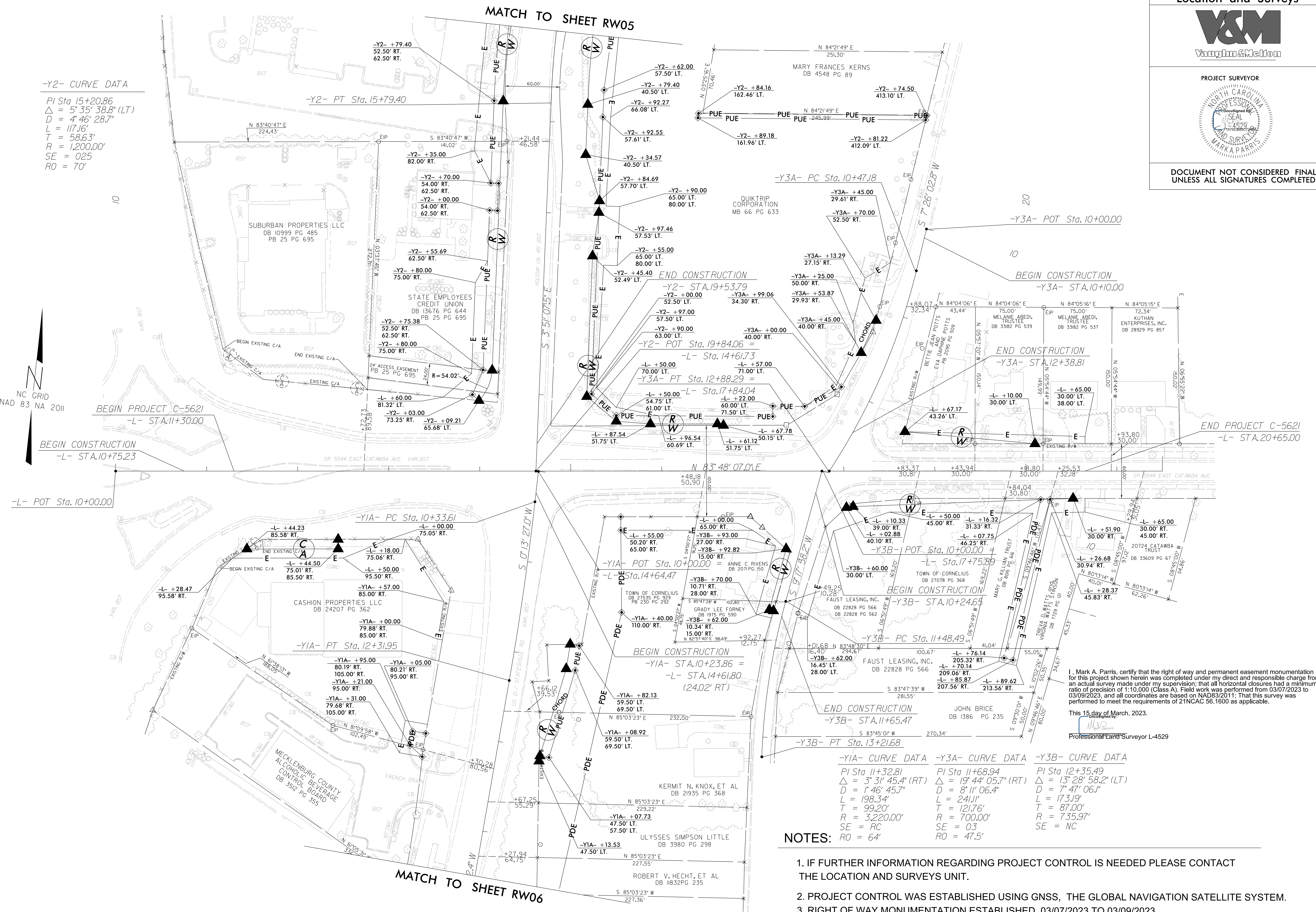


PROJECT SURVEYOR



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

-Y2- CURVE DATA
 PI Sta 15+20.86
 $\Delta = 5^{\circ} 35' 38.8''$ (LT)
 $D = 4^{\circ} 46' 28.7''$
 $L = 117.16'$
 $T = 58.63'$
 $R = 1,200.00'$
 $SE = 025$
 $RO = 70'$



REVISIONS

15-MAR-2023 12:38 W:\NCS\Survey\AT_P410V-21H1-34 V:\NCS\Survey\AT_P410V-21H1-34\pushman - Work\row sheets\c5621.s_rw04.dgn

I, Mark A. Parris, 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 03/07/2023 to 03/09/2023, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 15 day of March, 2023.

[Signature]
 Professional Land Surveyor L-4529

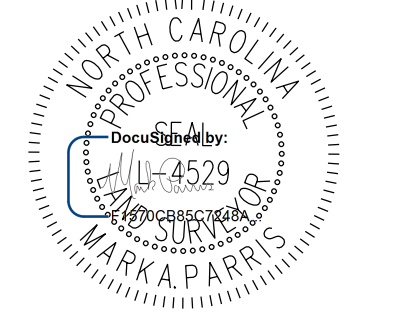
-Y1A- CURVE DATA	-Y3A- CURVE DATA	-Y3B- CURVE DATA
PI Sta 11+32.81	PI Sta 11+68.94	PI Sta 12+35.49
$\Delta = 3^{\circ} 31' 45.4''$ (RT)	$\Delta = 19^{\circ} 44' 05.7''$ (RT)	$\Delta = 13^{\circ} 28' 58.2''$ (LT)
$D = 1^{\circ} 46' 45.7''$	$D = 8^{\circ} 11' 06.4''$	$D = 7^{\circ} 47' 06.1''$
$L = 198.34'$	$L = 241.11'$	$L = 173.19'$
$T = 99.20'$	$T = 121.76'$	$T = 87.00'$
$R = 3,220.00'$	$R = 700.00'$	$R = 735.97'$
$SE = RC$	$SE = 03$	$SE = NC$
$RO = 64'$	$RO = 47.5'$	

- NOTES:**
- IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
 - PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
 - RIGHT OF WAY MONUMENTATION ESTABLISHED 03/07/2023 TO 03/09/2023 .

Location and Surveys



PROJECT SURVEYOR



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



-Y6- CURVE DATA
 PI Sta 10+90.94
 $\Delta = 27^{\circ} 37' 05.5''$ (LT)
 $D = 15^{\circ} 29' 07.2''$
 $L = 178.35'$
 $T = 90.94'$
 $R = 370.00'$
 SE = NC

-Y7- CURVE DATA
 PI Sta 11+07.12
 $\Delta = 52^{\circ} 01' 23.6''$ (RT)
 $D = 35^{\circ} 48' 35.5''$
 $L = 145.28'$
 $T = 78.08'$
 $R = 160.00'$

PI Sta 14+19.58
 $\Delta = 46^{\circ} 05' 46.1''$ (LT)
 $D = 27^{\circ} 17' 01.3''$
 $L = 168.95'$
 $T = 89.35'$
 $SE = 02$
 $RO = 38'$

-Y2- CURVE DATA
 PI Sta 10+79.68
 $\Delta = 39^{\circ} 15' 6.2''$ (RT)
 $D = 35^{\circ} 48' 35.5''$
 $L = 109.61'$
 $T = 57.05'$
 $R = 160.00'$

PI Sta 15+20.86
 $\Delta = 5^{\circ} 35' 38.8''$ (LT)
 $D = 4^{\circ} 46' 28.7''$
 $L = 117.16'$
 $T = 58.63'$
 $R = 1,200.00'$

PI Sta 10+00.15
 $\Delta = 359^{\circ} 43' 22.9''$ (LT)
 $D = 95^{\circ} 29' 34.7''$
 $L = 376.70'$
 $T = 0.15'$
 $R = 60.00'$

-Y8- CURVE DATA
 PI Sta 10+88.80
 $\Delta = 30^{\circ} 33' 51.0''$ (RT)
 $D = 22^{\circ} 55' 05.9''$
 $L = 133.36'$
 $T = 68.31'$
 $R = 250.00'$
 $SE = 04$
 $RO = 76'$

-RA2- CENTER OF CIRCLE =
 -Y2- STA.10+00.00 (O/S 7.5' RT.)
 -Y6- STA.14+15.78 (O/S 7.5' RT.)
 -Y7- STA.10+00.00 (O/S 7.5' RT.)

DB 26895 PG 480
 PB 29 PG 420
 OMKAAR INVESTMENTS, LLC

STATE EMPLOYEES CREDIT UNION
 DB 33727 PG 165

STATE EMPLOYEES CREDIT UNION

-Y2- PC Sta. 14+62.23

-Y2- +94.68
52.50' RT.

-Y2- +00.00
77.00' RT.

-Y2- +62.00
59.00' RT.

-Y2- +94.81
40.50' RT.

-Y2- +62.00
59.00' RT.

-Y2- +00.00
77.00' RT.

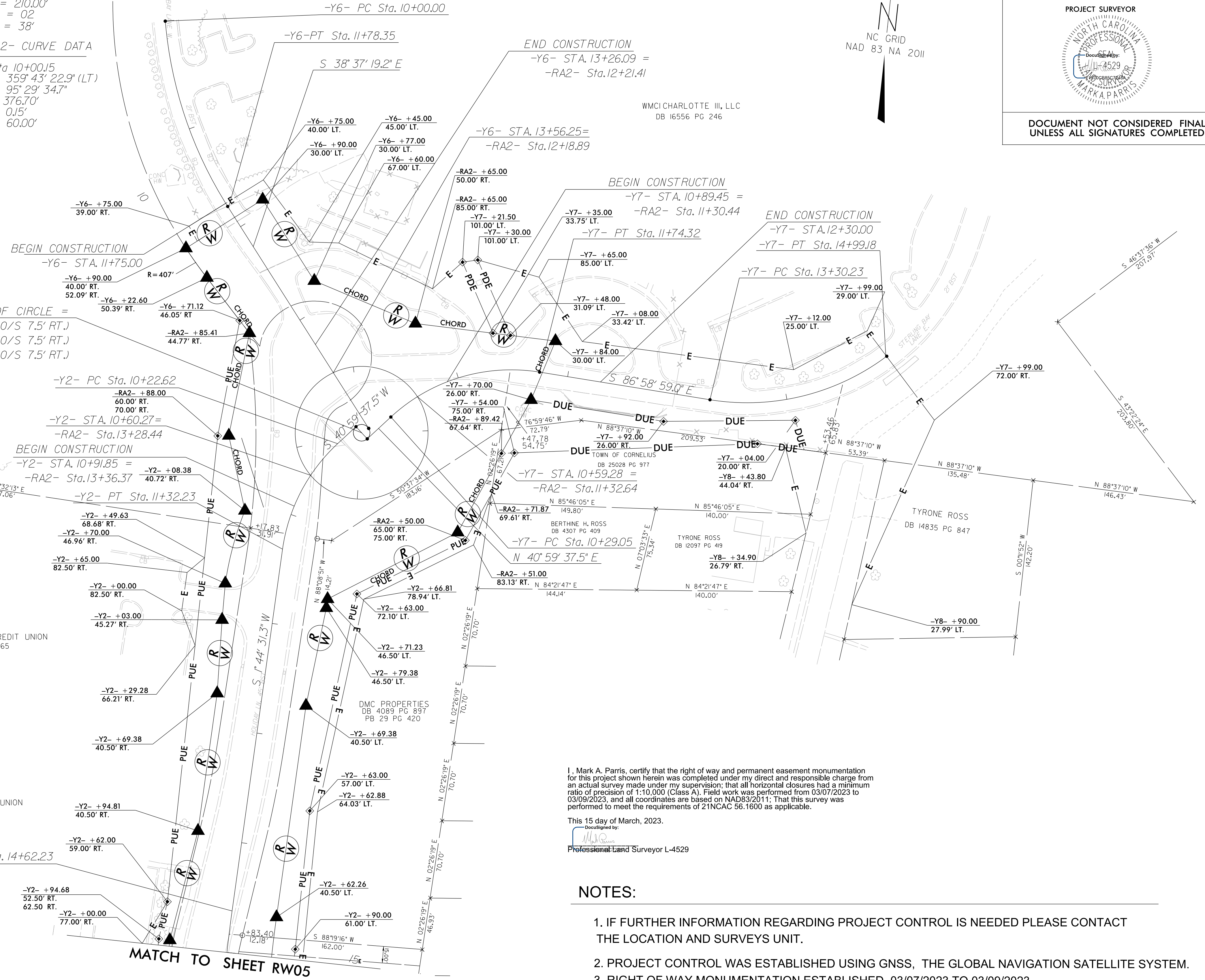
-Y2- +62.00
59.00' RT.

-Y2- +94.81
40.50' RT.

-Y2- +62.00
59.00' RT.

-Y2- +94.68
52.50' RT.

MATCH TO SHEET RW05



I, Mark A. Parris, 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 03/07/2023 to 03/09/2023, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 15 day of March, 2023.

DocuSigned by:

 Professional Land Surveyor L-4529

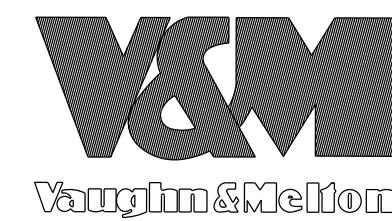
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3. RIGHT OF WAY MONUMENTATION ESTABLISHED 03/07/2023 TO 03/09/2023 .

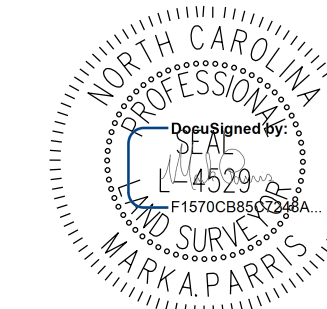
REVISIONS

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Location and Surveys



PROJECT SURVEYOR



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

REVISIONS

IS: MAR_2023 12:55
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 pushupman
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I, Mark A. Parris, 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 03/07/2023 to 03/09/2023, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 15 day of March, 2023.
 Mark A. Parris
 Professional Land Surveyor L-4529

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