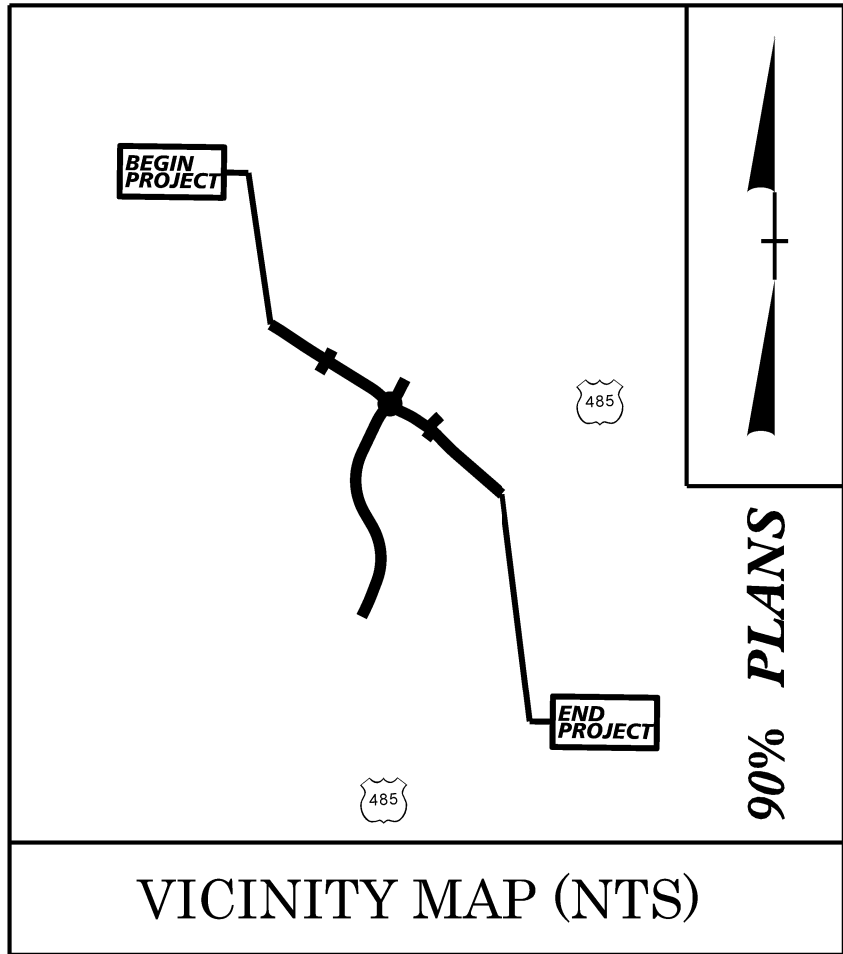


STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	U-4913A	RW01	8

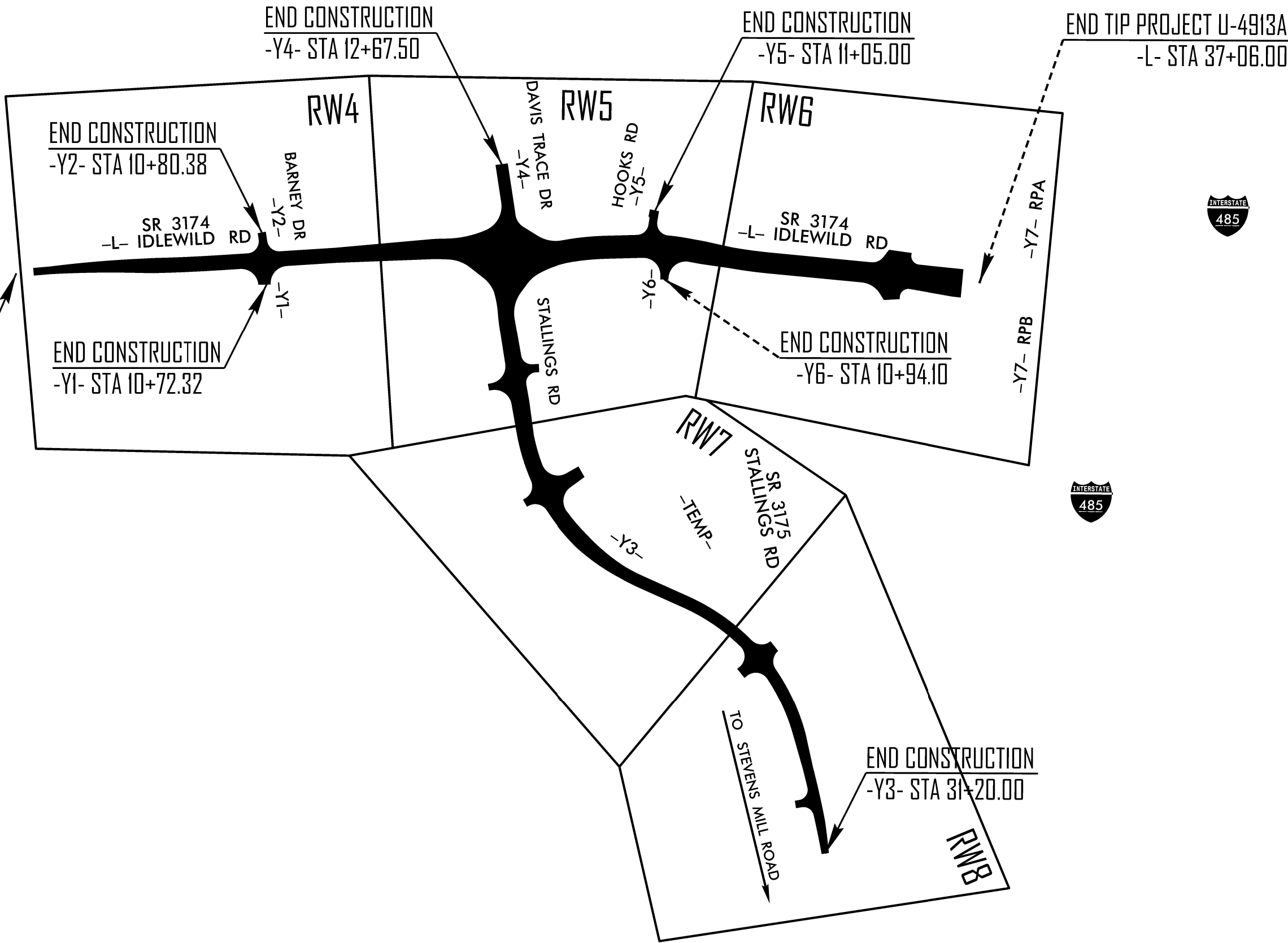
SEE SHEET 1A FOR INDEX OF SHEETS  
SEE SHEET 1B FOR CONVENTIONAL PLAN SHEET SYMBOLS



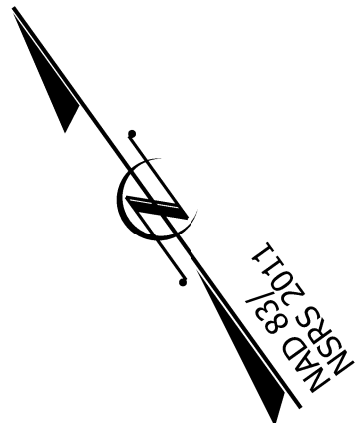
- L- IDLEWILD RD
- Y1- SITE ACCESS A
- Y2- BARNEY DR
- Y3- STALLINGS RD
- Y4- DAVIS TRACE DR
- Y5- HOOKS RD
- Y6- SITE ACCESS B

TO MATTHEWS / MINT HILL

BEGIN TIP PROJECT U-4913A  
-L- STA 8+87.00



TO HEMBY BRIDGE



DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED

GRAPHIC SCALES



DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCDOT FOR MONUMENT GPS-102 WITH NAD83/NA2011 STATE PLANE GRID COORDINATES OF NORTHING: 504,641.677' EASTING: 1,504,923.853' ELEVATION: 696.30'

THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.999848800

ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES

VERTICAL DATUM USED IS NAVD 88

Prepared in the Office of:

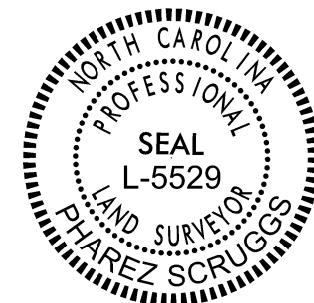
LOCATION & SURVEYS  
DIVISION 10  
12033 TRANSPORTATION PLACE DRIVE  
SUITE E  
MATTHEWS, NC 28105

2024 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:

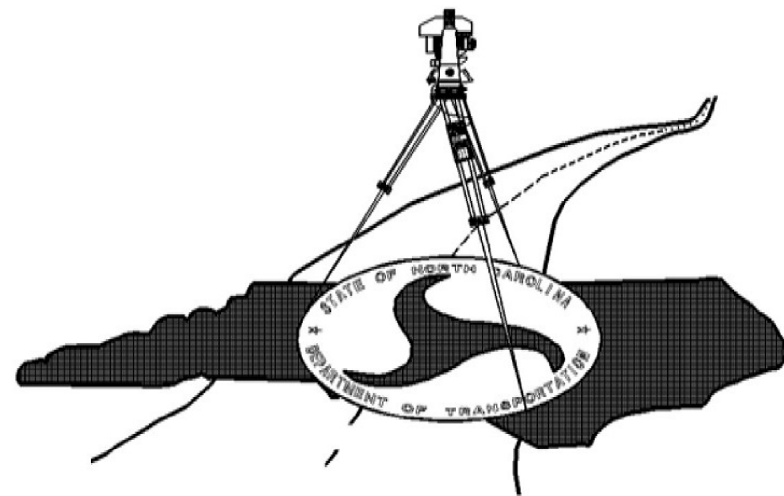
LETTING DATE:

PROFESSIONAL LAND  
SURVEYOR



SIGNATURE:

DATE:



PROPOSED ALIGNMENT CONTROL SHEET

I, PHAREZ SCRUGGS, PLS, CERTIFY THAT THE DATA COMPILED CAME FROM AVAILABLE SURVEYS/MAPPING PERFORMED BY OTHERS AND PROVIDED TO ME BY NCDOT AND DO NOT CERTIFY TO THE ACCURACY OR QUALITY OF THE INDIVIDUAL DATA SOURCES.

THIS 22ND DAY OF MAY, 2025.

PROFESSIONAL LAND SURVEYOR L-5529

PROPOSED ALIGNMENT: L												
POINT	STATION	NORTHING	EASTING	BEARING	DIST	DELTA	D	L	T	R	LT	ST
START	9+00.00	507209.9367	1502007.467	S59°19'58.7""E	100							
PC	10+00.00	507158.9319	1502093.482	S57°14'58.2""E	239.9471	04°10'01.1""	01°44'10.4""	240	120.0529	3300		
PRC	12+40.00	507029.1249	1502295.286	S56°36'49.5""E	242.5444	02°53'43.7""	01°11'37.2""	242.5702	121.3109	4800		
PT	14+82.57	506895.6575	1502497.805	S58°03'29.9""E	616.534							
PC	20+99.10	506569.4764	1503020.988	S52°36'14.8""E	90.6028	09°37'28.5""	10°36'37.2""	90.7094	45.4617	540		
PT	21+89.81	506514.4516	1503092.968	S47°47'30.6""E	140.4122							
PC	23+30.23	506420.119	1503196.973	S57°18'53.1""E	132.3537	19°02'45.0""	14°19'26.2""	132.9651	67.1016	400		
PRC	24+63.19	506348.6449	1503308.368	S61°22'23.5""E	148.5565	10°55'44.2""	07°20'44.2""	148.782	74.6174	780		
PT	26+11.97	506277.4711	1503438.765	S55°54'31.4""E	114.0709							
PC	27+26.04	506213.5329	1503533.232	S49°59'15.4""E	113.4752	11°50'32.1""	10°25'02.7""	113.6774	57.0419	550		
PT	28+39.72	506140.5737	1503620.144	S44°03'59.3""E	128.9897							
PC	29+68.71	506047.8903	1503709.855	S46°30'01.7""E	123.1579	04°52'04.7""	03°57'05.2""	123.195	61.6346	1450		
PT	30+91.91	505963.1147	1503799.191	S48°56'04.0""E	1945.5524							
PC	50+37.46	504685.0385	1505266.057	S49°39'32.0""E	214.9401	01°26'56.0""	00°40'26.6""	214.9458	107.4786	8500		
PT	52+52.40	504545.8999	1505429.885	S50°23'00.0""E	349.0494							
PC	56+01.45	504323.3292	1505698.768	S49°49'42.4""E	96.8468	01°06'35.3""	01°08'45.3""	96.8483	48.4257	5000		
PT	56+98.30	504260.8554	1505772.77	S49°16'24.7""E	237.2119							
PC	59+35.51	504106.0869	1505952.537	S51°07'12.4""E	322.2309	03°41'35.3""	01°08'45.3""	322.2866	161.1991	5000		
PT	62+57.80	503903.8258	1506203.382	S52°58'00.0""E	232.907							
END	64+90.71	503763.5507	1506389.308									

PROPOSED ALIGNMENT: Y3												
POINT	STATION	NORTHING	EASTING	BEARING	DIST	DELTA	D	L	T	R	LT	ST
PC	10+00.00	506425.5489	1503190.986	S36°36'57.4""W	211.4533	22°09'57.4""	10°25'02.7""	212.7777	107.7359	550		
PT	12+12.78	506255.8256	1503064.865	S25°31'58.7""W	308.0934							
PC	15+20.87	505977.8214	1502932.067	S02°21'02.1""E	554.6627	55°46'01.1""	09°39'43.3""	577.1772	313.7586	593		
PT	20+98.05	505423.6253	1502954.816	S30°14'02.8""E	140.7496							
PC	22+38.80	505302.0212	1503025.688	S04°23'07.4""E	518.8363	51°41'50.9""	09°37'46.4""	536.8633	288.259	595		
PT	27+75.66	504784.7039	1503065.361	S21°27'48.1""W	110.84							
PC	28+86.50	504681.5505	1503024.804	S23°57'40.7""W	204.6332	04°59'26.8""	02°26'17.2""	204.6979	102.4137	2350		
PT	30+91.20	504494.5526	1502941.698	S26°27'33.3""W	27.7974							
HPI	31+19.00	504469.667	1502929.313	S26°58'41.9""W	371.692							
END	34+90.69	504138.4231	1502760.694									

NOTES:

1. THE PROPOSED ALIGNMENT 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.

U-4913A

R/W20

NORTH CAROLINA  
DEPARTMENT  
OF TRANSPORTATION



PROFESSIONAL LAND  
SURVEYOR

NORTH CAROLINA  
PROFESSIONAL  
LAND SURVEYOR  
PHAREZ SCRUGGS

SEAL  
L-5529

DOCUMENT NOT CONSIDERED  
FINAL UNLESS ALL SIGNATURES  
ARE COMPLETED

2024 STANDARD  
SPECIFICATIONS

TIP PROJECT: U-4913A

County: Mecklenburg

PREPARED FOR



LOCATION AND  
SURVEYS UNIT

PREPARED BY

LOCATION & SURVEYS  
DIVISION 10  
12033 TRANSPORTATION  
PLACE DR. SUITE E  
MATTHEWS, NC 28105

RIGHT OF WAY CONTROL SHEET

PERMANENT ROW MARKER IRON PIN AND CAP: L			
STATION	OFFSET	NORTH	EAST
20+55.80	49.86	506550.0759	1502957.8590
20+98.00	51.00	506526.7826	1502993.0690
21+33.00	51.50	506508.7693	1503018.5560
21+50.00	52.00	506499.1029	1503030.5160
21+83.14	69.62	506466.7606	1503041.8610
27+11.00	55.00	506176.4171	1503489.9460
27+32.80	76.00	506147.2996	1503495.4360
28+31.89	92.00	506081.2435	1503549.4680
28+44.00	65.00	506092.2921	1503576.4150
28+89.34	57.25	506065.1055	1503613.5150
30+76.00	52.06	505934.7564	1503752.6290
30+92.00	52.00	505923.8469	1503765.1020
31+33.00	52.07	505896.8642	1503795.9720

PERMANENT EASEMENT MARKER IRON PIN AND CAP: L			
STATION	OFFSET	NORTH	EAST
9+18.00	50.00	507157.7485	1501997.4480
9+25.00	64.00	507142.1361	1501996.3280
9+52.00	50.00	507140.4069	1502026.6930
30+60.97	69.59	505932.2047	1503729.2650
33+42.00	76.23	505741.3472	1503937.6740

PERMANENT ROW MARKER IRON PIN AND CAP: Y3			
STATION	OFFSET	NORTH	EAST
26+23.80	-35.50	504927.3281	1503137.6360
27+65.45	-35.50	504781.8131	1503102.2700
29+45.00	-29.50	504615.9062	1503029.8980
29+69.72	-25.00	504594.6926	1503015.9150

I, PHAREZ SCRUGGS, PLS, CERTIFY THAT THE RIGHT OF WAY AND PERMANENT EASEMENT MONUMENTATION FOR THIS PROJECT SHOWN HEREIN FROM-L- STATION 9+00 TO 9+52, -L- STATION 30+00 TO 33+42, AND -Y3- STATION 25+00 TO 30+00 WAS COMPLETED UNDER MY DIRECT AND RESPONSIBLE CHARGE FROM AN ACTUAL SURVEY MADE UNDER MY SUPERVISION. ALL OTHER MONUMENTATION WAS SET BY OTHERS OR OBSTRUCTED BY ACTIVE CONSTRUCTION OPERATIONS; THAT ALL HORIZONTAL CLOSURES HAD A MINIMUM RATIO OF PRECISION OF 1:10,000 (CLASS A). FIELD WORK WAS PERFORMED FROM 5/19/2025 TO 5/19/2025, AND ALL COORDINATES ARE BASED ON NAD83/NA 2011; THAT THIS SURVEY WAS PERFORMED TO MEET THE REQUIREMENTS OF 21NCAC 56.1600 AS APPLICABLE.

THIS 22ND DAY OF MAY, 2025.

PROFESSIONAL LAND SURVEYOR L-5529

NOTES:

1. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.

U-4913A

R/W3E

NORTH CAROLINA  
DEPARTMENT  
OF TRANSPORTATION



PROFESSIONAL LAND  
SURVEYOR



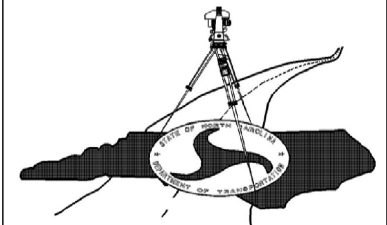
DOCUMENT NOT CONSIDERED  
FINAL UNLESS ALL SIGNATURES  
ARE COMPLETED

2024 STANDARD  
SPECIFICATIONS

TIP PROJECT: U-4913A

County: Mecklenburg

PREPARED FOR



LOCATION AND  
SURVEYS UNIT

PREPARED BY

LOCATION & SURVEYS  
DIVISION 10  
12033 TRANSPORTATION  
PLACE DRIVE, SUITE E  
MATTHEWS, NC 28105

**CUR DATA -L-**  
Plc 11+20.05  
 $\Delta c = 04^{\circ}10'01.1''$  (RT)  
D =  $01^{\circ}44'10.4''$   
Lc = 240.00  
Tc = 120.05  
R = 3,300

**CUR DATA -L-**  
Plc 13+61.31  
 $\Delta c = 02^{\circ}53'43.7''$  (LT)  
D =  $01^{\circ}11'37.2''$   
Lc = 242.57  
Tc = 121.31  
R = 4,800

NC GRID  
NAD 83 NA 2011

I, PHAREZ SCRUGGS, PLS, CERTIFY THAT THE RIGHT OF WAY AND PERMANENT EASEMENT MONUMENTATION FOR THIS PROJECT SHOWN HEREIN FROM -L- STATION 9+00 TO 9+52, -L- STATION 30+00 TO 33+42, AND -Y3- STATION 25+00 TO 30+00 WAS COMPLETED UNDER MY DIRECT AND RESPONSIBLE CHARGE FROM AN ACTUAL SURVEY MADE UNDER MY SUPERVISION, ALL OTHER MONUMENTATION WAS SET BY OTHERS OR OBSTRUCTED BY ACTIVE CONSTRUCTION OPERATIONS; THAT ALL HORIZONTAL CLOSURES HAD A MINIMUM RATIO OF PRECISION OF 1:10,000 (CLASS A). FIELD WORK WAS PERFORMED FROM 5/19/2025 TO 5/19/2025, AND ALL COORDINATES ARE BASED ON NAD83/NA 2011; THAT THIS SURVEY WAS PERFORMED TO MEET THE REQUIREMENTS OF 21NCAC 56.1600 AS APPLICABLE.

THIS 21ST DAY OF MAY, 2025.

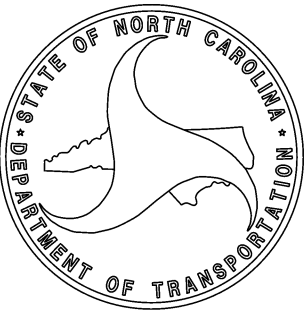
NOTES:

1. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.

U-4913A

R/W 4

NORTH CAROLINA  
DEPARTMENT  
OF TRANSPORTATION



PROFESSIONAL LAND  
SURVEYOR



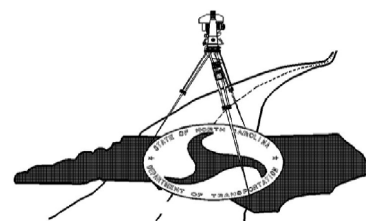
DOCUMENT NOT CONSIDERED  
FINAL UNLESS ALL SIGNATURES  
ARE COMPLETED

2024 STANDARD  
SPECIFICATIONS

MATCH LINE -L- STA 19+50.00 SEE SHEET RW5

**TIP PROJECT: U-4913A**  
County: Mecklenburg

PREPARED FOR



LOCATION AND  
SURVEYS UNIT

PREPARED BY

LOCATION & SURVEYS  
DIVISION 10  
12033 TRANSPORTATION  
PLACE DRIVE  
MATTHEWS, NC 28105



JOHN E. & LINDA H.  
EASON  
DB 3756 PG 789

RICHARD B. DAVIS  
DANA M. DAVIS  
DB 9946 PG 255

DAVID A. TETRICK, SR  
LINDA R. TETRICK  
DB 9978 PG 513

GARY CHURCH  
TAMMY CHURCH  
DB 10153 PG 566  
PB 27 PG 872

BENJAMIN BURGAMY  
DONNA JOBE  
DB 10075 PG 55  
PB 27 PG 872

GREGORY STEELE  
JULIE STEELE  
DB 32034 PG 808

KEVIN BEAULIEU  
RHONDA BEAULIEU  
DB 10137 PG 841  
PB 27 PG 872

ROBERT B. & PATSY C.  
GADD  
DB 3967 PG 467

PHILIP L. PUCKETT  
DB 6098 PG 68

AREA UNDER CONSTRUCTION

MATTHEWS SF LAND OWNER LLC  
DB 39331 PG 801  
MB 75 PG 23

**CUR DATA -Y4-**  
Plc 10+67.63  
 $\Delta c = 19^{\circ}40'28.4''$  (LT)  
D =  $14^{\circ}41'28.4''$   
Lc = 133.92  
Tc = 67.63  
R = 390  
SE = 0.000

**CUR DATA -Y3-**  
Plc 11+07.74  
 $\Delta c = 22^{\circ}09'57.4''$  (LT)  
D =  $10^{\circ}25'02.7''$   
Lc = 212.78  
Tc = 107.74  
R = 550  
SE = 0.000

**CUR DATA -L-**  
Plc 25+37.89  
 $\Delta c = 10^{\circ}55'44.2''$  (RT)  
D =  $07^{\circ}20'44.2''$   
Lc = 148.78  
Tc = 74.62  
R = 780  
SE = 0.020

**CUR DATA -L-**  
Plc 27+83.09  
 $\Delta c = 11^{\circ}50'32.1''$  (RT)  
D =  $10^{\circ}28'02.7''$   
Lc = 178.68  
Tc = 87.04  
R = 550  
SE = 0.040

**CUR DATA -L-**  
Plc 21+44.57  
 $\Delta c = 09^{\circ}37'28.5''$  (RT)  
D =  $10^{\circ}36'37.2''$   
Lc = 90.71  
Tc = 45.46  
R = 540  
SE = 0.020

**CUR DATA -L-**  
Plc 23+97.33  
 $\Delta c = 10^{\circ}02'45.0''$  (LT)  
D =  $14^{\circ}19'26.2''$   
Lc = 132.97  
Tc = 67.10  
R = 400  
SE = 0.020

-L- STA 16+112.23 =  
-Y1- STA 10+00.00  
  
-L- STA 16+16.19 =  
-Y2- STA 10+00.00  
  
END CONSTRUCTION  
-Y2- STA 10+72.32  
S30°42'31.1"W

-Y1- POE 11+28.92

-Y2- POE 11+10.07

-Y2- STA 10+40.38  
N27°04'56.8"E

-L- PT 14+82.57

-L- PT 12+40.00

-L- PC 10+00.00  
S59°19'58.7"E

-L- STA 9+00.00

-L- STA 8+87.00

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-L- STA 187+00.00

-L- STA 188+00.00

-L- STA 189+00.00

-L- STA 190+00.00

-L- STA 191+00.00

-L- STA 192+00.00

-L- STA 193+00.00

-L- STA 194+00.00

-L- STA 195+00.00

-L- STA 196+00.00

-L- STA 197+00.00

-L- STA 198+00.00

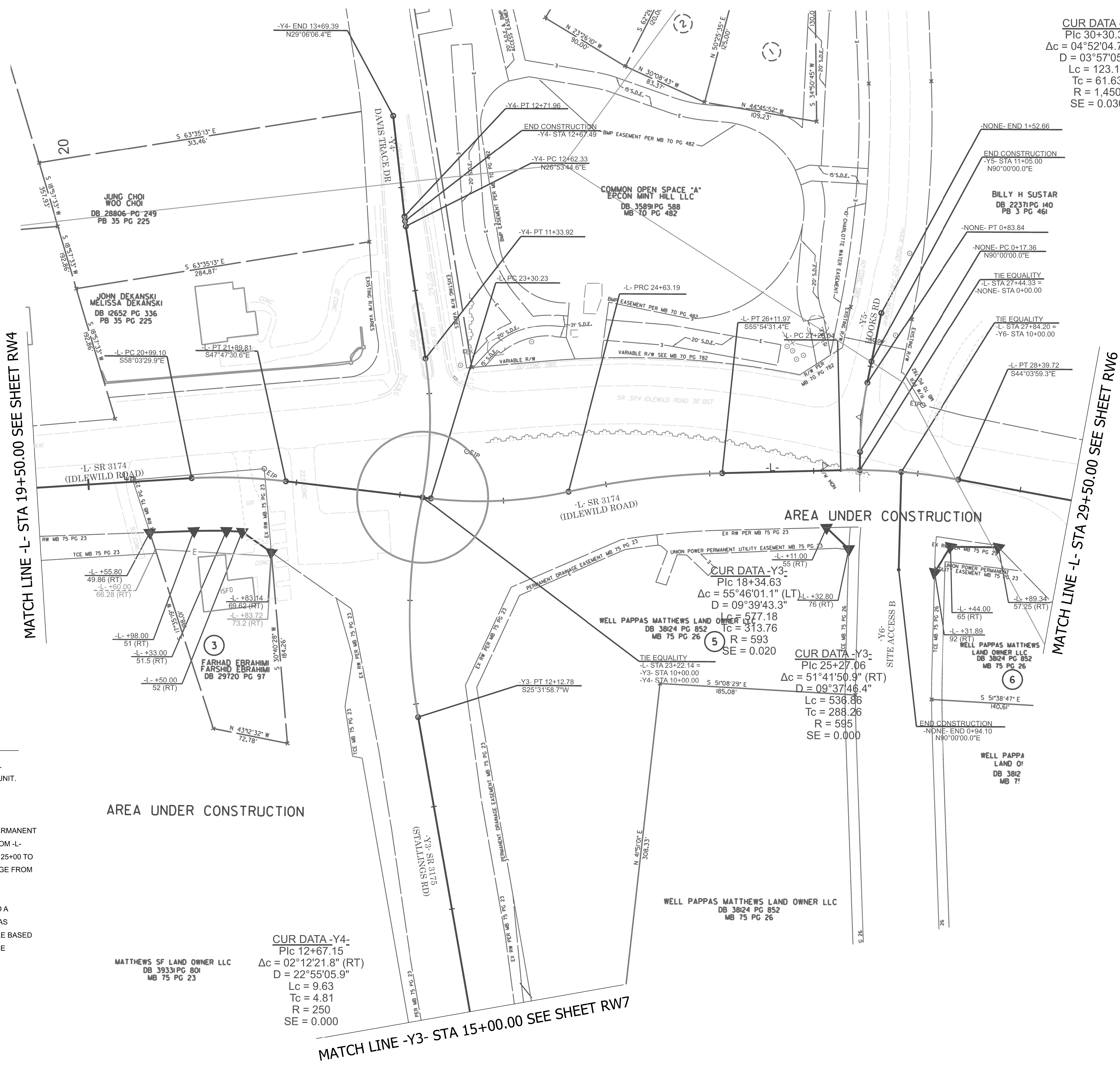
-L- STA 199+00.00

-L- STA 200+00.00

-L- STA 201+00.00

-L- STA 202+00.00





NOTES:

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I, PHAREZ SCRUGGS, PLS, CERTIFY THAT THE RIGHT OF WAY AND PERMANENT EASEMENT MONUMENTATION FOR THIS PROJECT SHOWN HEREIN FROM -L- STATION 9+00 TO 9+52, -L- STATION 30+00 TO 33+42, AND -Y3- STATION 25+00 TO 30+00 WAS COMPLETED UNDER MY DIRECT AND RESPONSIBLE CHARGE FROM AN ACTUAL SURVEY MADE UNDER MY SUPERVISION, ALL OTHER MONUMENTATION WAS SET BY OTHERS OR OBSTRUCTED BY ACTIVE CONSTRUCTION OPERATIONS; THAT ALL HORIZONTAL CLOSURES HAD A MINIMUM RATIO OF PRECISION OF 1:10,000 (CLASS A). FIELD WORK WAS PERFORMED FROM 5/19/2025 TO 5/19/2025, AND ALL COORDINATES ARE BASED ON NAD83/NA 2011; THAT THIS SURVEY WAS PERFORMED TO MEET THE REQUIREMENTS OF 21NCAC 56.1600 AS APPLICABLE.

THIS 21ST DAY OF MAY, 2025.



U-4913A

R/W5

NORTH CAROLINA  
DEPARTMENT  
OF TRANSPORTATION

PROFESSIONAL LAND  
SURVEYOR

DOCUMENT NOT CONSIDERED  
FINAL UNLESS ALL SIGNATURES  
ARE COMPLETED

2024 STANDARD  
SPECIFICATIONS

TIP PROJECT: U-4913A

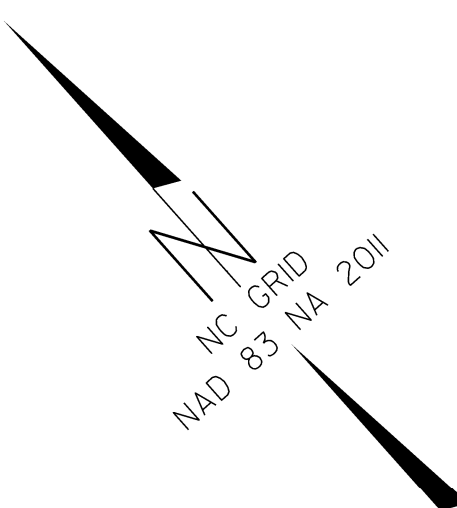
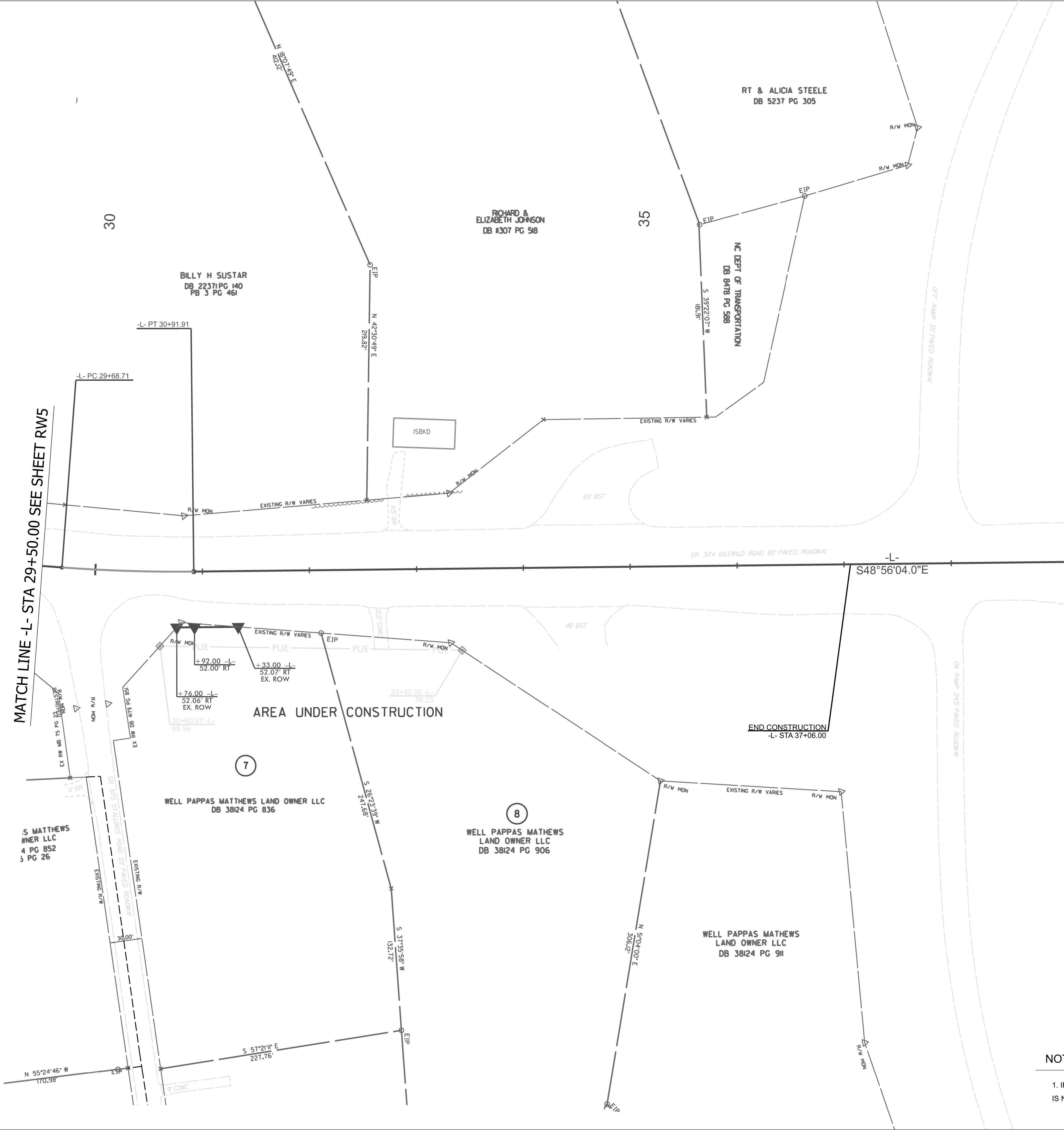
County: Mecklenburg

PREPARED FOR

LOCATION AND  
SURVEYS UNIT

PREPARED BY

LOCATION & SURVEYS  
DIVISION 10  
12033 TRANSPORTATION  
PLACE DRIVE  
MATTHEWS, NC 28105



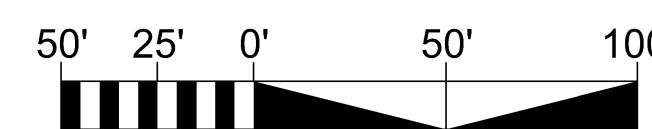
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THIS 21ST DAY OF MAY, 2025.

PROFESSIONAL LAND SURVEYOR L-5529

NOTES:

- 1. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.



U-4913A

R/W6

NORTH CAROLINA  
DEPARTMENT  
OF TRANSPORTATION

PROFESSIONAL LAND  
SURVEYOR

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2024 STANDARD  
SPECIFICATIONS

TIP PROJECT: U-4913A

County: Mecklenburg

PREPARED FOR

LOCATION AND  
SURVEYS UNIT

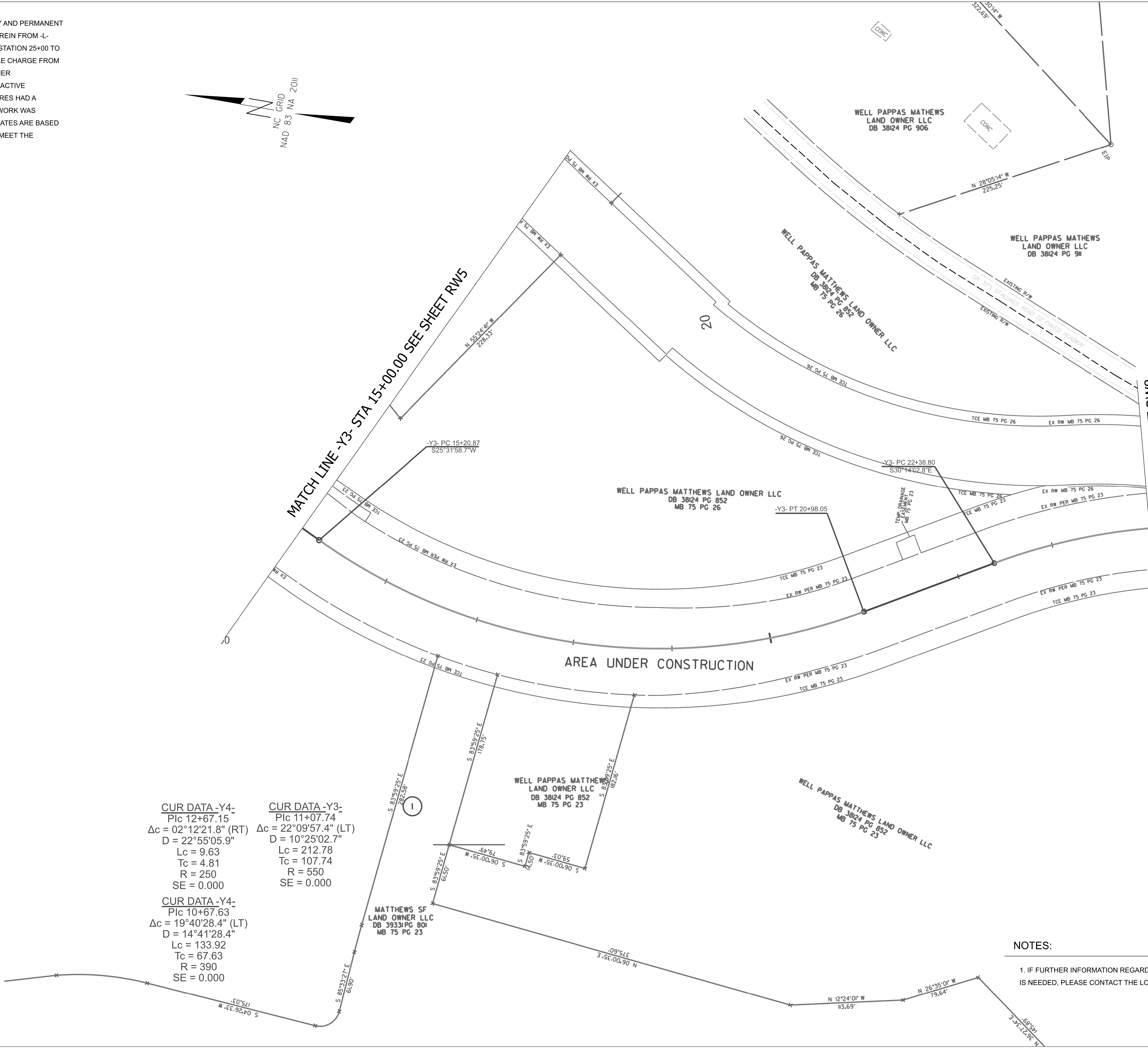
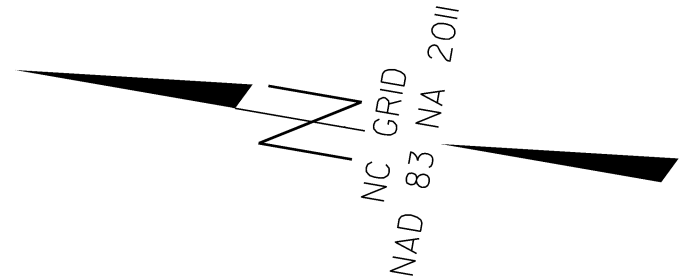
PREPARED BY

LOCATION & SURVEYS  
DIVISION 10  
12033 TRANSPORTATION  
PLACE DRIVE  
MATTHEWS, NC 28105

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THIS 21ST DAY OF MAY, 2025.

PROFESSIONAL LAND SURVEYOR L-5529



**CUR DATA -Y4-**  
P/c 12+67.15  
 $\Delta c = 02^{\circ}12'21.8''$  (RT)  
D = 22°55'05.9"  
Lc = 9.63  
Tc = 4.81  
R = 250  
SE = 0.000

**CUR DATA -Y3-**  
P/c 11+07.74  
 $\Delta c = 22^{\circ}09'57.4''$  (LT)  
D = 10°25'02.7"  
Lc = 212.78  
Tc = 107.74  
R = 550  
SE = 0.000

**CUR DATA -Y4-**  
P/c 10+67.63  
 $\Delta c = 19^{\circ}40'28.4''$  (LT)  
D = 14°41'28.4"  
Lc = 133.92  
Tc = 67.63  
R = 390  
SE = 0.000

NOTES:

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U-4913A

R/W7

NORTH CAROLINA  
DEPARTMENT  
OF TRANSPORTATION

PROFESSIONAL LAND  
SURVEYOR

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2024 STANDARD  
SPECIFICATIONS

TIP PROJECT: U-4913A

County: Mecklenburg

PREPARED FOR

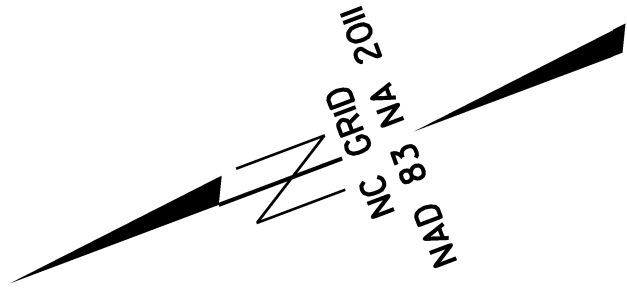
LOCATION AND  
SURVEYS UNIT

PREPARED BY

LOCATION & SURVEYS  
DIVISION 10  
12033 TRANSPORTATION  
PLACE DRIVE  
MATTHEWS, NC 28105

CUR DATA -Y3-  
Plc 25+27.06  
 $\Delta c = 51^{\circ}41'50.9''$  (RT)  
D =  $09^{\circ}37'46.4''$   
Lc = 536.86  
Tc = 288.26  
R = 595  
SE = 0.020

CUR DATA -Y3-  
Plc 29+88.92  
 $\Delta c = 04^{\circ}59'26.8''$  (RT)  
D =  $02^{\circ}26'17.2''$   
Lc = 204.70  
Tc = 102.41  
R = 2,350  
SE = 0.020



MATCH LINE -Y3- STA 24+00.00 SEE SHEET RW17

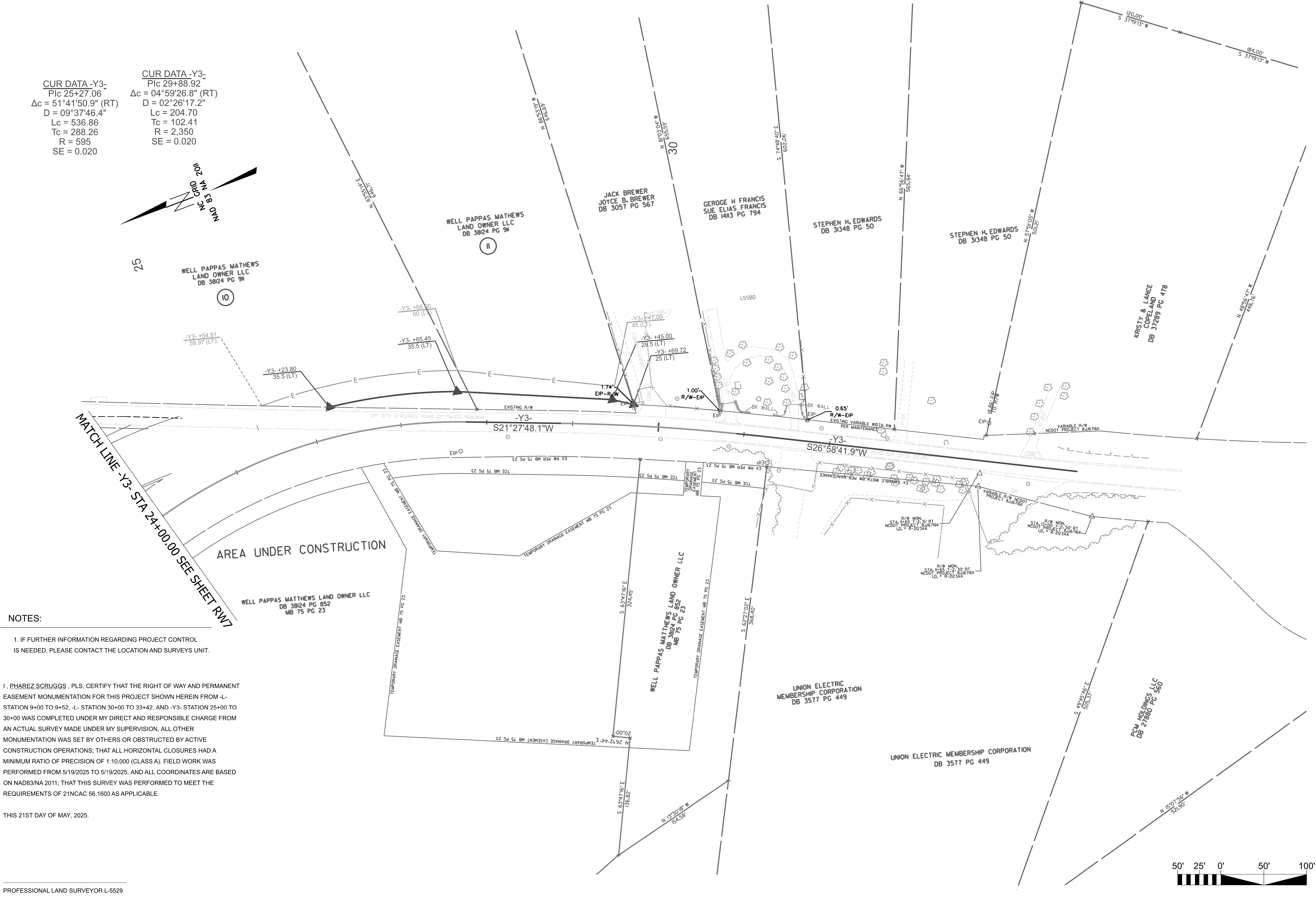
AREA UNDER CONSTRUCTION

NOTES:

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THIS 21ST DAY OF MAY, 2025.



U-4913A

R/W8

NORTH CAROLINA  
DEPARTMENT  
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PROFESSIONAL LAND  
SURVEYOR

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2024 STANDARD  
SPECIFICATIONS

TIP PROJECT: U-4913A

County: Mecklenburg

PREPARED FOR

LOCATION AND  
SURVEYS UNIT

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LOCATION & SURVEYS  
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12033 TRANSPORTATION  
PLACE DRIVE  
MATTHEWS, NC 28105