

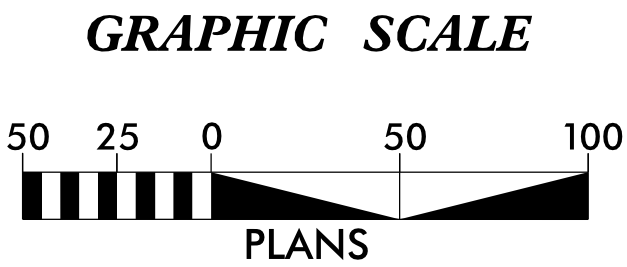
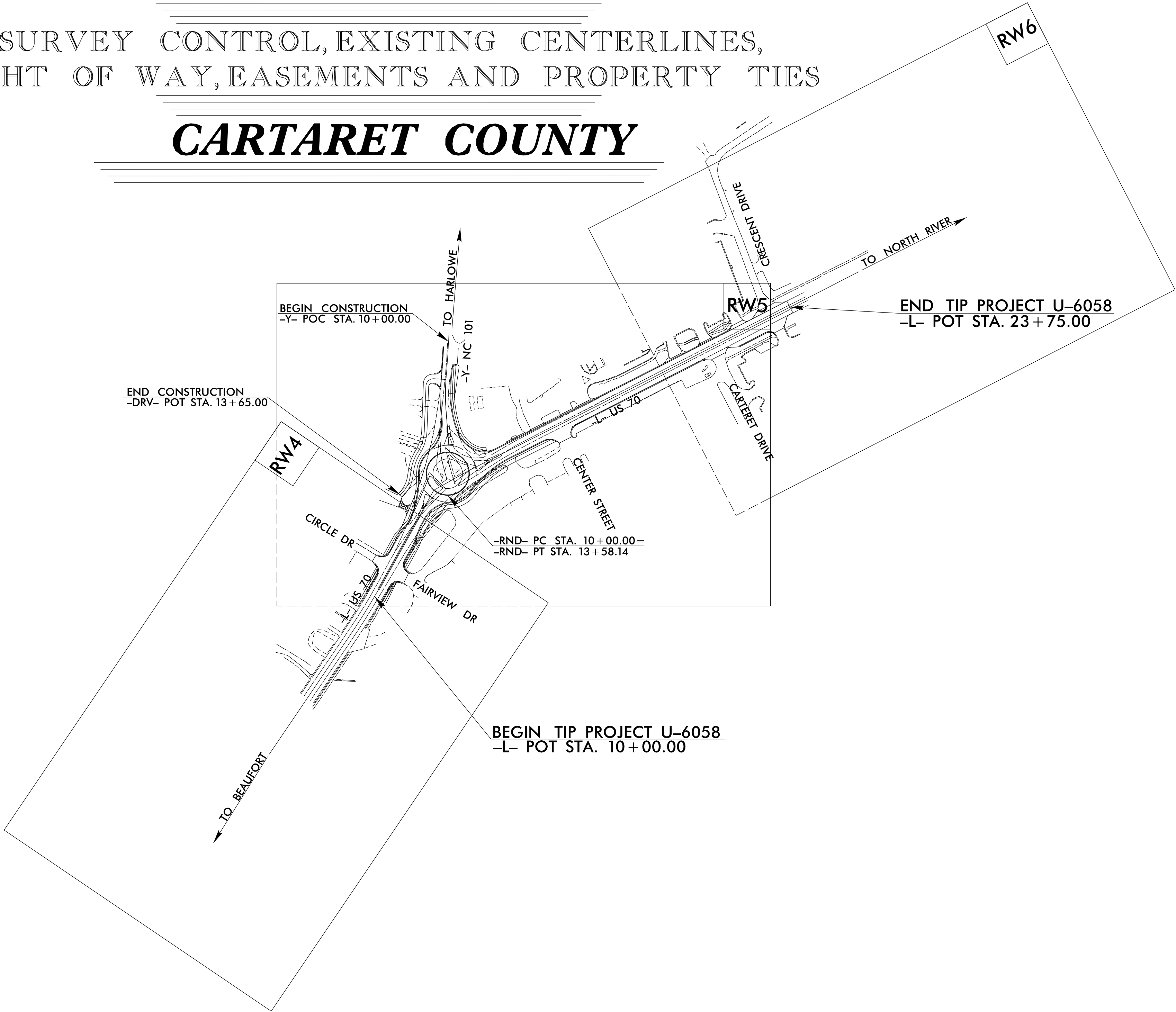
STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	U-6058	RW01	08

TIP PROJECT: U-6058

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

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

CARTARET COUNTY



DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCGS FOR MONUMENT "U6058-2" WITH NAD 83/NSRS 2011 STATE PLANE GRID COORDINATES OF NORTHING: 363990.046(ft) EASTING: 2706667.457(ft) ELEVATION: 9.51(ft) THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.999919655 THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "U6058-2" TO -L- STATION 5+00.00 IS S 10°46'03.4" W 1702.56(ft) ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES VERTICAL DATUM USED IS NAVD-88

Prepared in the Office of:

TRANSYSTEMS

1 Glenwood Avenue
Raleigh, NC 27603
Tel: 919.789.9977
Fax: 919.789.9591
License: F-0453

2024 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:
September 7, 2022

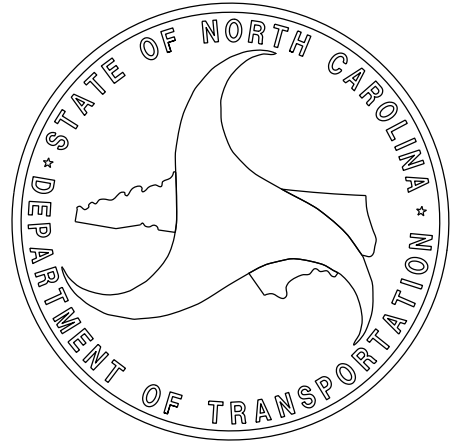
LETTING DATE:
July 15, 2025

**PROFESSIONAL LAND
SURVEYOR**



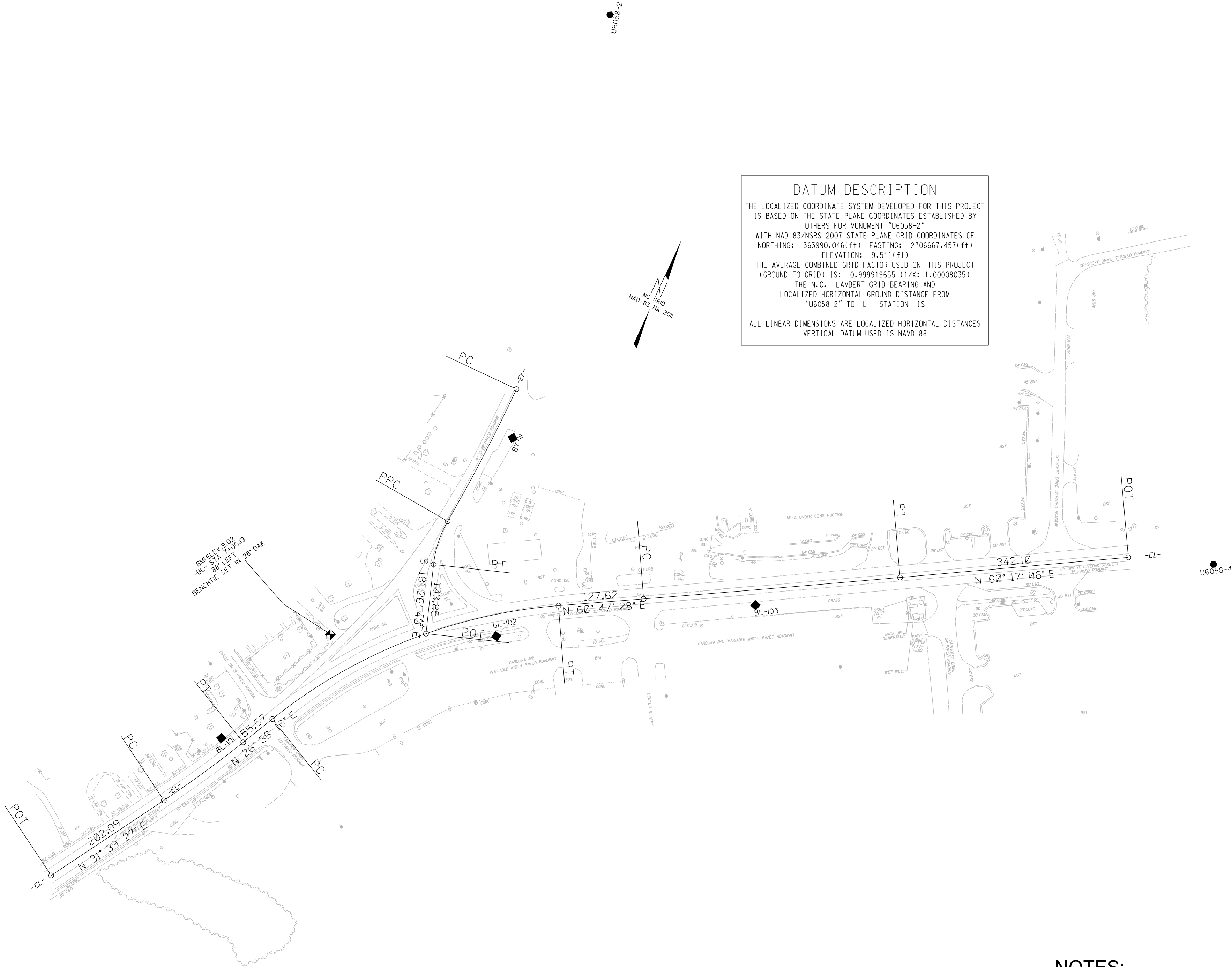
DocuSigned by:
Michael Stahl
5A8C1F23A9F72430
SIGNATURE:

04/07/2025
Date:



SURVEY CONTROL SHEET
W/EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO.	SHEET NO.
U-6058	RW02C-1
Location and Surveys	
<div><div>SEPI</div><div>1 Glenwood Avenue Raleigh, NC 27603 Tel:919.789.9977 Fax:919.789.9591 License: C-2197</div></div> <div>Engineering & Construction, Inc.</div>	
<div>PROJECT SURVEYOR</div> <div><div>SEAL</div><div>L-4556</div><div>LAND SURVEYOR</div><div>MICHAEL L. TACKETT</div></div>	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



I, Michael L. Tackett, PLS, certify that the Project Control was verified under my supervision from an actual GPS survey made under my supervision and the following information was used to perform the survey:

Class of survey: **AA**
Type of GPS field procedure: OPUS
Dates of survey: 09/11/2017
Datum/Epoch: NAD 83/NA 2011
Published/Fixed-control use: N/A
Localized around: U6058-2
Northing:363990.046
Easting:2706667.457
Combined grid factor:0.999919655
Geoid model:G12NC
Units:US SURVEY FEET

I also certify that the Baseline Control for this project was verified 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 1:20,000 (Class AA) and Vertical accuracy to Class A. Field work was performed from September to November 2017 , and all coordinates are based on NAD 83/2011 and all elevations are based on NAVD 88; that this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 14 day of September, 2022.

Professional Land Surveyor L-4556

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.

SURVEY CONTROL SHEET
W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO.
U-6058

SHEET NO.
RW02C-2

Location and Surveys



1 Glenwood Avenue
Raleigh, NC 27603
Tel: 919.789.9977
Fax: 919.789.9591
License: C-2197



DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

BASELINE DATA

BL	POINT	DESC.	NORTH	EAST	ELEVATION
101		BL - 101	362766.3880	2706591.0940	7.42
102		BL - 102	363075.8580	2706900.5130	8.51
103		BL - 103	363279.7260	2707232.7440	7.82
4		U6058-4	363620.6111	2707828.7850	8.07
3		U6058-3	364094.4081	2708450.5332	9.49

BM1 ELEVATION = 9.02
N 362975 E 2706674
BENCH TIE SET IN 28" OAK

BY	POINT	DESC.	NORTH	EAST	ELEVATION
1		U6058-1	364604.6364	2706416.5337	8.92
2		U6058-2	363990.0463	2706667.4571	9.51
111		BY - 111	363354.8850	2706798.6920	5.46
A102			363075.8580	2706900.5130	8.51

ALIGNMENT DATA

EL	POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT		362474.063	2706445.931							
LINE				N 31°39'27.3" E	202.09					
PC		362646.082	2706551.996							
CURVE				N 29°07'51.8" E	146.86	05°03'11.0"(LT)	03°26'22.3"	146.91	73.50	1665.80
PT		362774.368	2706623.491							
LINE				N 26°36'16.3" E	55.57					
PC		362824.058	2706648.379							
CURVE				N 43°41'52.2" E	459.46	34°11'11.8"(RT)	07°19'50.7"	466.35	240.35	781.58
PT		363156.244	2706965.798							
LINE				N 60°47'28.1" E	127.62					
PC		363218.520	2707077.187							
CURVE				N 60°32'17.2" E	384.22	00°30'21.8"(LT)	00°07'54.2"	384.22	192.11	43501.90
PT		363407.497	2707411.722							
LINE				N 60°17'06.3" E	342.10					
POT		363577.071	2707708.836							

EY	POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
PC		363423.825	2706773.936							
CURVE				S 02°49'28.4" W	222.37	04°49'02.1"(RT)	02°09'56.5"	222.43	111.28	2645.60
PCC		363201.726	2706762.978							
CURVE				S 06°36'20.4" E	68.00	23°40'39.8"(LT)	34°34'26.0"	68.48	34.74	165.72
PT		363134.180	2706770.801							
LINE				S 18°26'40.3" E	103.85					
POT		363035.669	2706803.656							

I, Michael L. Tackett, PLS, certify that the Project Control was verified under my supervision from an actual GPS survey made under my supervision and the following information was used to perform the survey:

Class of survey: **AA**
Type of GPS field procedure: OPUS
Dates of survey: 09/11/2017
Datum/Epoch: NAD 83/NA 2011
Published/Fixed-control use: N/A
Localized around: U6058-2
Northing: 363990.046
Easting: 2706667.457
Combined grid factor: 0.999919655
Geoid model: G12NC
Units: US SURVEY FEET

I also certify that the Baseline Control for this project was verified 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 1:20,000 (Class AA) and Vertical accuracy to Class A. Field work was performed from September to November 2017, and all coordinates are based on NAD 83/2011 and all elevations are based on NAVD 88; that this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 14 day of September, 2022.

Professional Land Surveyor L-4556

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.

PROPOSED ALIGNMENT CONTROL SHEET

I, Michael L. Tackett, PLS, certify that the Project Control was verified under my supervision from an actual GPS survey made under my supervision and the following information was used to perform the survey:

Class of survey: AA
Type of GPS field procedure: OPUS
Dates of survey: 09/11/2017
Datum/Epoch: NAD 83/NA 2011
Published/Fixed-control use: N/A
Localized around: U6058-2
Northing:363990.046
Easting:2706667.457
Combined grid factor:0.999919655
Geoid model:G12NC
Units:US SURVEY FEET

I also certify that the Baseline Control for this project was verified 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 1:20,000 (Class AA) and Vertical accuracy to Class A. Field work was performed from September to November 2017 , and all coordinates are based on NAD 83/2011 and all elevations are based on NAVD 88; that this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 14 day of September, 2022.

Professional Land Surveyor L-4556

L			
TYPE	STATION	NORTH	EAST
POT	5+00.00	362317.4674	2706349.3758
PC	8+86.06	362646.0821	2706551.9964
PT	10+32.97	362774.3683	2706623.4906
POT	13+20.17	363031.1581	2706752.1067
POT	14+26.93	363087.4808	2706842.8050
PC	16+95.46	363218.5197	2707077.1863
PT	20+79.68	363407.4973	2707411.7220
POT	25+78.69	363654.8462	2707845.1086

DRV			
TYPE	STATION	NORTH	EAST
POT	10+00.00	363323.8620	2706771.3950
PC	10+31.29	363324.7066	2706740.1146
PT	10+63.40	363304.5634	2706719.5753
PC	11+79.60	363188.3688	2706720.4497
PRC	12+42.14	363128.4967	2706704.9646
PT	12+91.70	363081.5919	2706690.0841
PC	13+09.81	363063.5746	2706688.2635
PT	13+58.74	363019.8250	2706668.3642
POT	13+66.93	363013.8458	2706662.7599

Y			
TYPE	STATION	NORTH	EAST
PC	10+00.00	363423.8247	2706773.9362
PRC	10+91.78	363332.0816	2706771.6784
PT	11+82.31	363241.7273	2706775.3263
POT	12+91.58	363133.2692	2706788.6959

RND			
TYPE	STATION	NORTH	EAST
PC	10+00.00	363019.3510	2706789.3915
PCC	10+89.54	363078.7756	2706843.8590
PCC	11+79.07	363133.2431	2706784.4344
PCC	12+68.61	363073.8185	2706729.9669
PT	13+58.14	363019.3510	2706789.3915

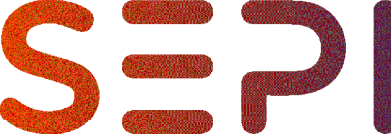
NOTES:

1. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
2. 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.

PROJECT REFERENCE NO.
U-6058

SHEET NO.
RW02D-1

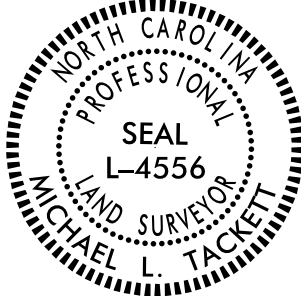
Location and Surveys



1 Glenwood Avenue
Raleigh, NC 27603
Tel:919.789.9977
Fax:919.789.9591
License: C-2197

Engineering & Construction, Inc.

PROJECT SURVEYOR



DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

6/2/99

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REVISIONS

RIGHT OF WAY and PERMANENT EASEMENTS CONTROL SHEET

PROJECT REFERENCE NO.


U-6058

SHEET NO.

RW03E-1

Location and Surveys

PROJECT SURVEYOR



DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

ROW MARKER IRON PIN AND CAP-E				
ALIGN	STATION	OFFSET	NORTH	EAST
L	10+00.00	-36.00	362761.7919	2706576.5715
L	10+00.00	-29.68	362758.8501	2706582.1656
L	10+00.00	36.00	362728.2804	2706640.2973
L	10+00.00	28.66	362731.6944	2706633.8050
L	10+32.97	-36.00	362790.4901	2706591.3023
L	10+32.97	36.00	362758.2464	2706655.6789
L	10+39.00	36.00	362763.6369	2706658.3788
L	10+48.00	-36.00	362803.9277	2706598.0327
L	10+54.44	52.00	362770.2747	2706679.5981
L	10+60.83	-52.00	362822.5664	2706589.4734
L	11+14.77	52.00	362824.2233	2706706.6189
L	11+17.49	-52.00	362873.2274	2706614.8475
L	11+32.00	40.00	362844.9986	2706703.6034
L	11+35.00	-33.01	362880.3754	2706639.6705
L	11+70.00	40.00	362878.9751	2706720.6209
L	11+90.88	37.00	362898.9915	2706727.2911
L	15+15.00	-30.00	363156.6423	2706905.0338
L	15+41.00	35.00	363112.5951	2706959.4475
L	16+35.00	35.00	363158.4666	2707041.4951
L	16+57.66	50.00	363156.4341	2707068.5976
L	16+95.46	-30.00	363244.7051	2707062.5465
L	17+41.02	-30.00	363266.9449	2707102.2766

ETCHED 'X'

PK NAIL

PK NAIL

PK NAIL

ROW MARKER IRON PIN AND CAP-E				
ALIGN	STATION	OFFSET	NORTH	EAST
Y	10+75.00	31.60	363349.9694	2706740.7496
Y	11+50.67	-24.00	363274.7827	2706796.3098
Y	11+82.31	-27.00	363245.0305	2706802.1234
Y	12+20.00	-33.00	363208.3533	2706812.6900
Y	12+60.00	-50.00	363170.7336	2706834.4561

PK NAIL

PK NAIL

PK NAIL

PK NAIL

ROW MARKER IRON PIN AND CAP-E				
ALIGN	STATION	OFFSET	NORTH	EAST
RND	10+03.02	35.00	362984.7245	2706795.7715
RND	10+52.00	35.00	363023.2155	2706862.0551

PK NAIL

PK NAIL

ROW MARKER IRON PIN AND CAP-E				
ALIGN	STATION	OFFSET	NORTH	EAST
DRV	10+50.00	20.00	363329.3138	2706708.0335
DRV	10+63.40	12.00	363304.4731	2706707.5756
DRV	11+79.60	12.00	363188.2745	2706708.4501
DRV	12+42.14	12.00	363134.3936	2706694.5135
DRV	12+91.70	12.00	363082.7983	2706678.1449
DRV	13+09.81	12.00	363064.7811	2706676.3243
DRV	13+16.32	12.00	363059.3711	2706675.5392
DRV	13+21.85	-12.88	363048.4171	2706698.5451

ROW MARKER PERMANENT EASEMENT-E				
ALIGN	STATION	OFFSET	NORTH	EAST
L	10+22.00	58.00	362738.2598	2706670.2318
L	10+25.00	36.00	362750.9739	2706652.0146
L	10+55.27	63.00	362766.0924	2706689.8060
L	10+56.82	-47.00	362816.7418	2706592.1482
L	10+57.50	-67.00	362826.3045	2706574.5694
L	10+61.49	-67.00	362829.8700	2706576.3552
L	14+64.00	53.25	363059.0891	2706901.1448
L	14+67.00	67.08	363048.4814	2706910.5124
L	14+88.00	47.56	363075.7663	2706919.3170
L	14+91.00	64.10	363062.7926	2706930.0074
L	15+09.00	-39.00	363161.5699	2706895.4048
L	15+96.00	-63.00	363224.9738	2706959.6306
L	16+02.00	-39.00	363206.9534	2706976.5795
L	16+16.00	-68.00	363239.0979	2706974.6475
L	16+23.00	-39.00	363217.2013	2706994.9093
L	16+35.00	60.00	363136.6454	2707053.6949
L	17+44.71	-39.00	363276.5986	2707101.0926

PK NAIL

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PK NAIL

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ROW MARKER PERMANENT EASEMENT-E				
ALIGN	STATION	OFFSET	NORTH	EAST
Y	10+00.00	32.36	363424.0595	2706741.5815
Y	10+00.00	40.00	363424.1150	2706733.9372
Y	10+42.00	-28.16	363381.1786	2706801.4490
Y	10+42.00	-43.00	363380.8352	2706816.2864
Y	10+60.00	31.92	363364.7918	2706740.9161
Y	10+60.00	40.00	363365.0337	2706732.8382
Y	10+68.00	-43.00	363354.4232	2706815.5454
Y	10+68.00	-27.94	363354.9196	2706800.4904
Y	10+68.00	-33.00	363354.7527	2706805.5508
Y	12+41.00	-43.00	363188.7345	2706825.1841

MONUMENT NOT SET DUE TO HIGHWATER

PK NAIL

PK NAIL

PK NAIL

PK NAIL

PK NAIL

I, Michael W. Stahl, PLS, certify that the right of way and permanent easement monumentation for this project shown herein was verified 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 verified on 19th November, 2024, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

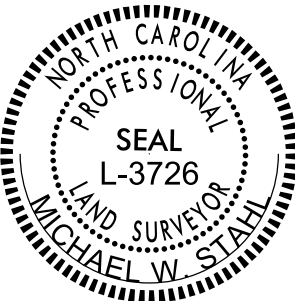
This 7th day of April, 2025
Professional Land Surveyor L-3726



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.

REVISIONS

PROJECT REFERENCE NO.	SHEET NO.
U-6058	RW04
Location and Surveys	
North Carolina Department of Transportation DIVISION 2	
PROJECT SURVEYOR	
	
04/07/2025	<div><p>DocuSigned by:</p><p><i>Michael Stahl</i></p><p>SABCF22A9F72435</p></div>
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

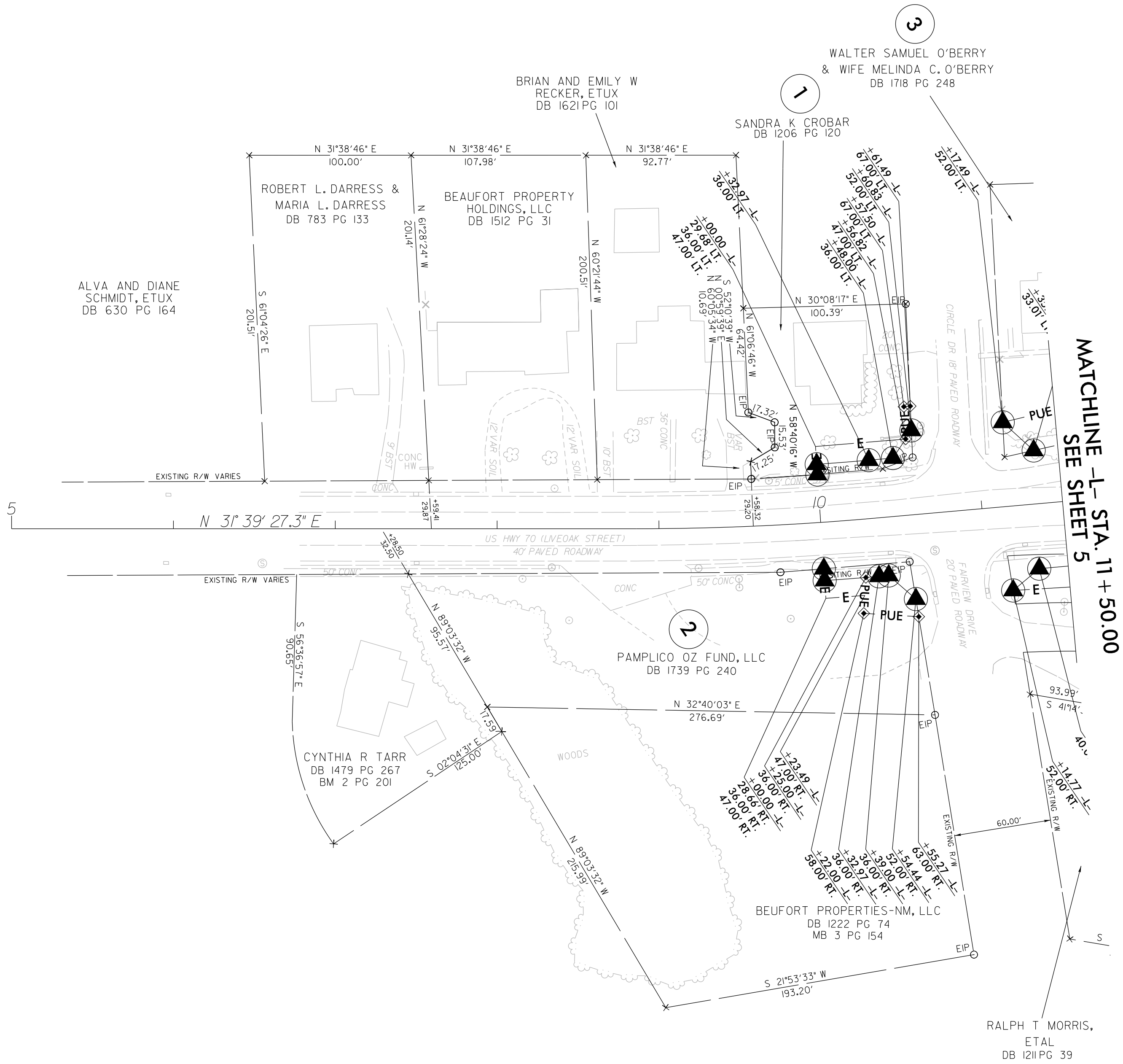
I, Michael W. Stahl, PLS, certify that the right of way and permanent easement monumentation for this project shown herein was verified under my direct and responsible charge from an actual survey verified under my supervision; that all horizontal closures had a minimum ratio of precision of 1:10,000 (Class A). Field work was verified November 19th, 2024, and all coordinates are based on NAD83/2011; that this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 7th day of April, 2025.

DocuSigned by:

Michael Sta

Professional Land Surveyor L-3726



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 VERIFIED NOVEMBER 19th, 2024.

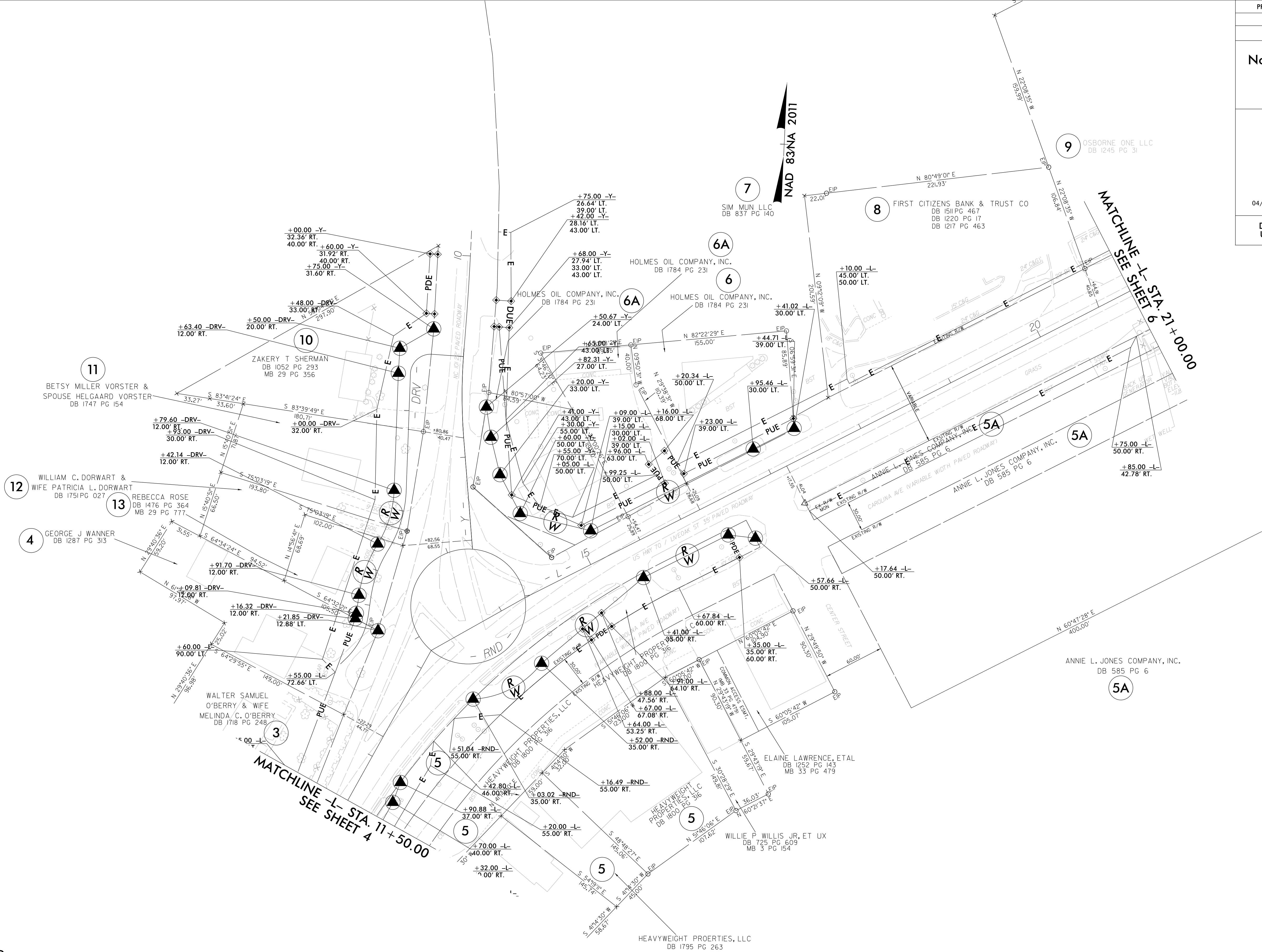
REVISIONS
REVISIONS

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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 VERIFIED NOVEMBER 19th, 2024.

PROJECT REFERENCE NO.	SHEET NO.
U-6058	RW05
Location and Surveys	
North Carolina Department of Transportation DIVISION 2	
PROJECT SURVEYOR	
	
04/07/2025	DocuSigned by: Michael Stahl 3A8CF22A5F72430
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



I, Michael W. Stahl, PLS, certify that the right of way and permanent easement monumentation for this project shown herein was verified under my direct and responsible charge from an actual survey verified under my supervision; that all horizontal closures had a minimum ratio of precision of 1:10,000 (Class A). Field work was verified November 19th, 2024, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 7th day of April, 2025.

DocuSigned by:
Michael Stahl
3A8CF22A5F72430

Professional Land Surveyor L-3726

