

09/08/99

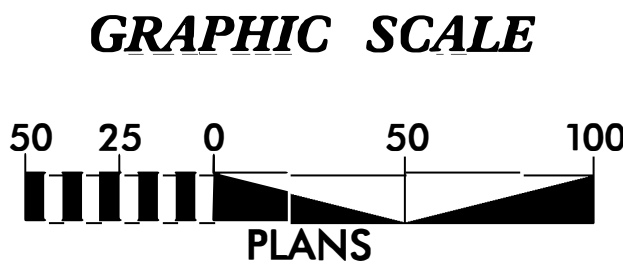
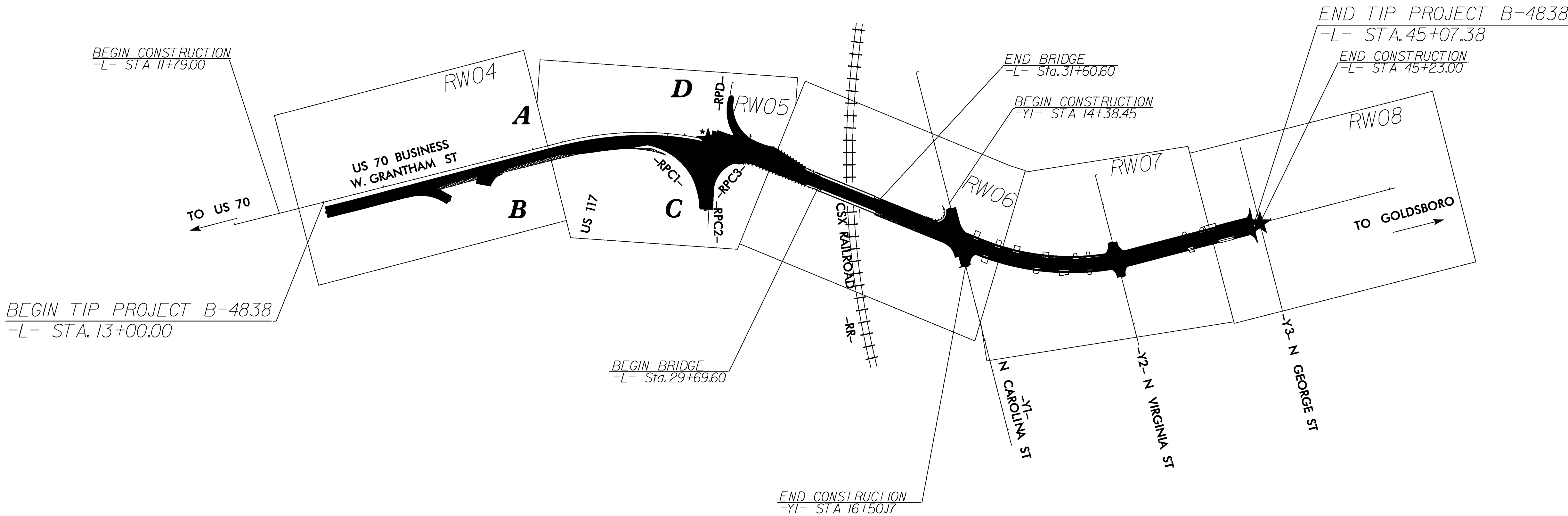
STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	B-4838	RW01	13

TIP PROJECT: B-4838

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

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

WAYNE COUNTY



DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCDOT FOR MONUMENT "B4838-2" WITH NAD 83/NA 2011 STATE PLANE GRID COORDINATES OF NORTHING: 600,621.025(ft) EASTING: 2,297,867.261(ft) ELEVATION: 108.221(ft) THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.999876072 THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "B4838-2" TO -L- STATION 13+00.00 IS N 65°43'12.5" W 1,403.90(ft) ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES VERTICAL DATUM USED IS NAVD 88

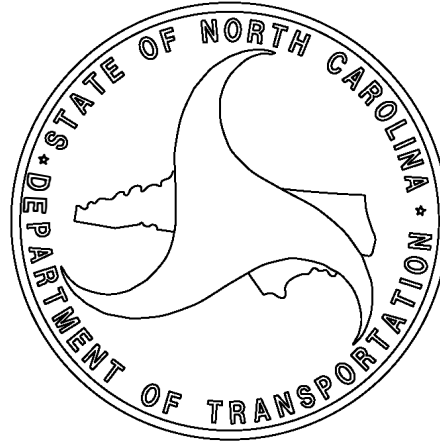
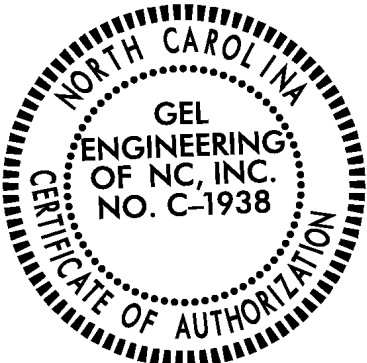
Prepared in the Office of:

GEL SOLUTIONS
an Affiliate of THE GEL GROUP, INC.
2700 SUMNER BLVD.
SUITE 106
RALEIGH, NC 27616
(919) 544-1100
WWW.GEL-SOLUTIONS.COM

2024 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:
03/24/2022

LETTING DATE:
01/20/2026



Signed by: Parks H. Icenhour, Jr.
003CE0720646AC6

Date: 11/07/2025

SIGNATURE:

Date:

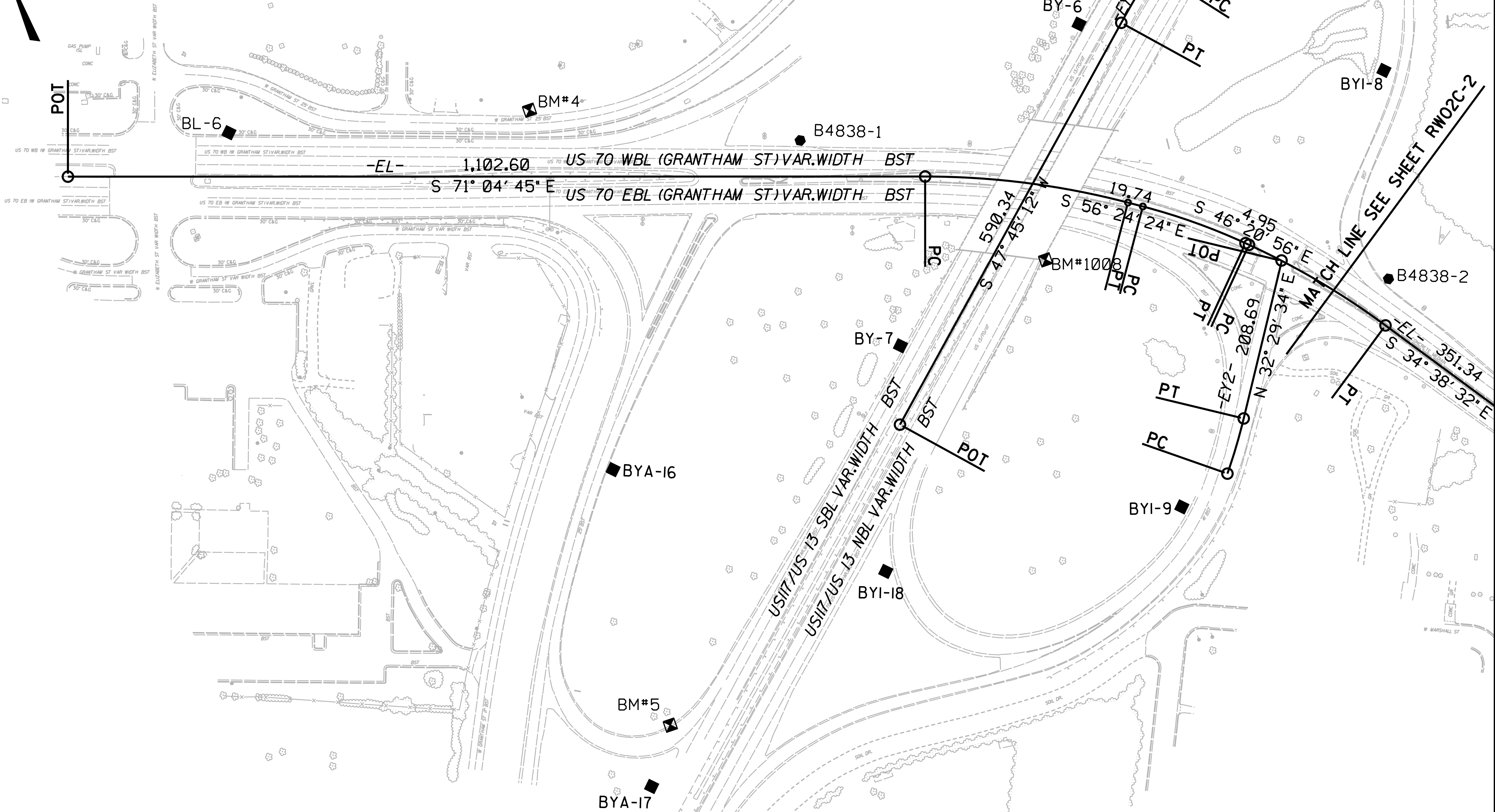
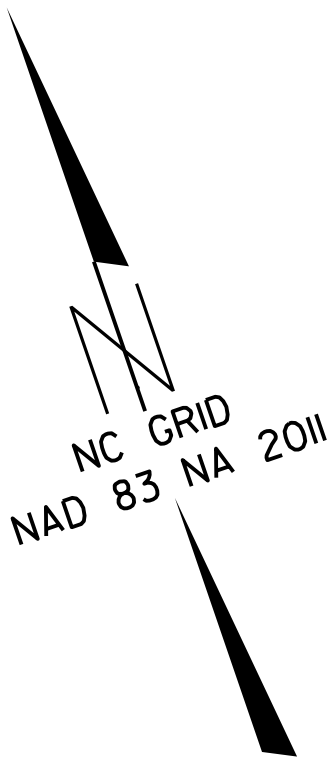
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jason.prevatt@ncdot.gov

REVISIONS

SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO.	SHEET NO.
B-4838	RW02C-1
Location and Surveys	
GEL SOLUTIONS	

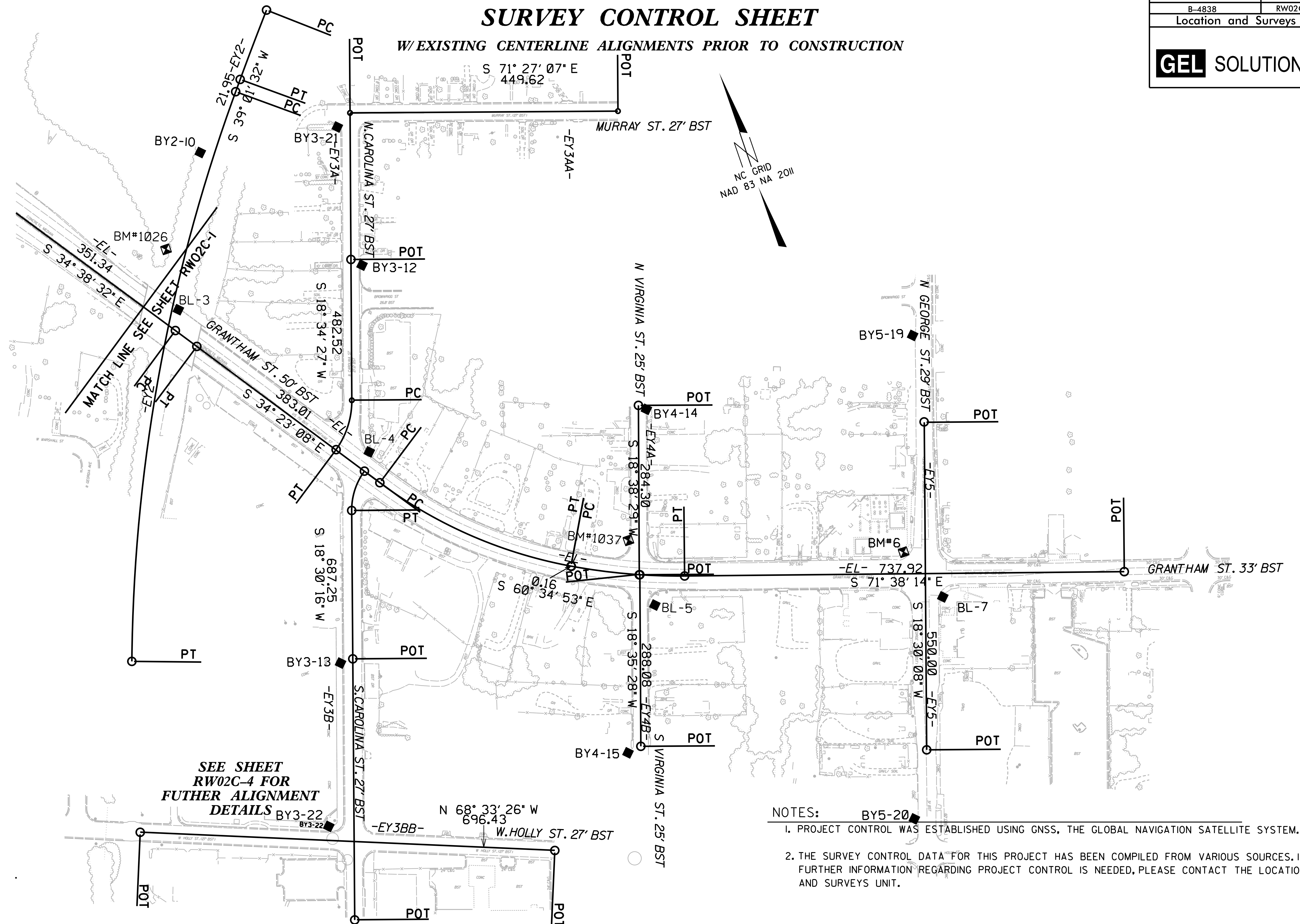


SEE SHEET
RW02C-4 FOR
FUTHER ALIGNMENT
DETAILS

- 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



**SEE SHEET
RW02C-4 FOR
FUTHER ALIGNMENT
DETAILS** BY 3-22

NOTES:

BY5-20

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.

GEL SOLUTIONS

BY3					
POINT	DESC.		NORTH	EAST	ELEVATION
21	B-4838	BY3-21	600510.7161	2298412.3316	109.38
12	B-4838	BY3-12	600277.8720	2298376.2920	111.56
44	B-4838	BL-4	599977.3610	2298286.1090	120.87
13	B-4838	BY3-13	599657.5708	2298125.4407	100.14
22	B-4838	BY3-22	599404.6286	2298017.7554	92.37

BY4					
	POINT	DESC.	NORTH	EAST	ELEVATION
14	B-4838	BY4 - 14	599889.3717	2298752.1666	113.52
55	B-4838	BL - 5	599585.2250	2298657.2190	117.13
15	B-4838	BY4 - 15	599358.5103	2298532.8786	113.45

BY5					
	POINT	DESC.	NORTH	EAST	ELEVATION
19	B-4838	BY5-19	599866.5160	2299212.0320	113.54
77	B-4838	BL-7	599434.7690	2299117.4980	116.30
20	B-4838	BY5-20	599097.7420	2298951.4780	115.62

BYA	POINT	DESC.	NORTH	EAST	ELEVATION
11		B-4838-1	601034.0720	2297209.7870	83.37
16		B-4838 BYA-16	600711.4080	2296844.6420	78.92
17		B-4838 BYA-17	600309.5800	2296759.2630	81.72

```
*****
1026          ELEVATION - 107.76
N 600410      E 2298074
BL STATION 23-00.00 65 LEFT
BM2-R/R SPIKE 23' WILLOW OAK
*****
```

```
*****
1037          ELEVATION = 118.11
N 599696          E 2298649
BL STATION 32+34.00 70 LEFT
BM3-FH EAST FLANGE BOLT
*****
```

I. 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

6/2/99

SURVEY CONTROL SHEET
W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO.
B-4838

SHEET NO.
RW02C-4

Location and Surveys

GEL

SOLUTIONS

EL									
POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	601295.582	2296303.740							
LINE			S 71°04'44.8° E	1102.60					
PC	600938.051	2297346.762							
CURVE			S 63°44'34.4° E	263.04	14°40'20.7°(RT)	05°33'45.7°	263.76	132.61	1030.00
PT	600821.680	2297582.665							
LINE			S 56°24'24.0° E	19.74					
PC	600810.760	2297599.106							
CURVE			S 51°22'39.8° E	140.25	10°03'28.4°(RT)	07°09'43.1°	140.43	70.40	800.00
PT	600723.215	2297708.683							
LINE			S 46°20'55.6° E	4.95					
PC	600719.800	2297712.263							
CURVE			S 40°29'43.9° E	203.96	11°42'23.5°(RT)	05°43'46.5°	204.32	102.52	1000.00
PT	600564.695	2297844.714							
LINE			S 34°38'32.1° E	351.34					
PC	600275.641	2298044.434							
CURVE			S 34°30'50.0° E	44.80	00°15'24.2°(RT)	00°34'22.6°	44.80	22.40	10000.00
PT	600238.723	2298069.821							
LINE			S 34°23'08.0° E	383.01					
PC	599922.643	2298286.128							
CURVE			S 47°29'00.4° E	349.89	26°11'45.0°(LT)	07°25'18.2°	352.96	179.62	772.00
PT	599686.183	2298544.029							
LINE			S 60°34'52.9° E	0.16					
PC	599686.103	2298544.171							
CURVE			S 66°06'33.2° E	191.31	11°03'20.6°(LT)	05°46'11.9°	191.61	96.10	993.00
PT	599608.623	2298719.090							
LINE			S 71°38'13.5° E	737.92					
POT	599376.154	2299419.433							

ERR									
POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
PC	600734.991	2298363.647							
CURVE			S 39°43'14.4° W	124.54	01°23'25.7°(LT)	01°06'59.4°	124.54	62.27	5131.77
PT	600639.201	2298284.062							
LINE			S 39°01'31.5° W	21.95					
PC	600622.147	2298270.240							
CURVE			S 29°15'08.9° W	972.25	19°32'45.2°(LT)	02°00'02.4°	976.98	493.28	2863.85
PT	599773.888	2297795.144							

EY									
POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
PC	601095.078	2297710.159							
CURVE			S 49°30'32.2° W	79.65	03°30'39.9°(LT)	04°24'26.5°	79.66	39.84	1300.00
PT	601043.358	2297649.583							
LINE			S 47°45'12.2° W	590.34					
POT	600646.460	2297212.580							

EY1									
POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
PC	600450.239	2297590.520							
CURVE			N 35°22'41.2° E	74.00	05°46'15.0°(LT)	07°47'43.2°	74.03	37.05	735.00
PT	600510.573	2297633.363							
LINE			N 32°29'33.7° E	208.69					
POT	600686.597	2297745.471							

- NOTES:
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6/2/99

15-AUG-2019 14:17
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AT:\PREVATTE-GFC
Person

REVISIONS

15-AUG-2019 14:17
C:\GEL\projects
Jason Prevatte

EY4A				
POINT	N	E	BEARING	DIST
POT	599904.723	2298738.717		
LINE			S 18°38'29.3" W	284.30
POT	599635.341	2298647.843		

EY4B				
POINT	N	E	BEARING	DIST
POT	599634.970	2298648.728		
LINE			S 18°35'27.7" W	288.08
POT	599361.925	2298556.886		

NOTES:

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REVISIONS

PROPOSED ALIGNMENT CONTROL SHEET

L			
TYPE	STATION	NORTH	EAST
POT	10+00.00	601295.5822	2296303.7402
PC	21+02.60	600938.0510	2297346.7620
PT	25+00.17	600740.6258	2297689.0067
PC	25+00.17	600740.6258	2297689.0067
PT	26+85.35	600603.3114	2297812.5720
PC	35+23.99	599916.3604	2298293.6289
PT	40+35.50	599615.9885	2298696.9010
POT	49+18.42	599337.8377	2299534.8642

Y1			
TYPE	STATION	NORTH	EAST
POT	10+00.00	600502.3008	2298432.5645
POT	22+51.90	599316.2412	2298031.9213

Y2			
TYPE	STATION	NORTH	EAST
POT	10+00.00	599904.5694	2298739.1717
POT	15+72.44	599362.1591	2298556.1934

Y3			
TYPE	STATION	NORTH	EAST
POT	10+00.00	599722.2838	2299183.2465
POT	15+50.00	599200.7129	2299008.7100

RPC2			
TYPE	STATION	NORTH	EAST
PC	10+00.00	600450.2392	2297590.5205
PT	10+74.03	600510.5733	2297633.3630
POT	12+82.38	600686.3049	2297745.2848

RPD			
TYPE	STATION	NORTH	EAST
POT	10+00.00	600799.9996	2297912.4542
PC	10+57.76	600757.6569	2297873.1736
PT	12+43.91	600585.8978	2297861.3908

PROJECT REFERENCE NO.
B-4838

SHEET NO.
RW02D-1

Location and Surveys

GEL Engineering of NC, Inc. 036

GEL SOLUTIONS

an Affiliate of THE GEL GROUP, INC.
2700 SUMNER BLVD.
SUITE 106
RALEIGH, NC 27616
(919) 544-1100
WWW.GEL-SOLUTIONS.COM

Professional Engineer
GEL ENGINEERING
OF NC, INC.
NO. C-1938

Professional Land Surveyor
SEAL
L-3996
PARKS H. ICENHOUR
H. ICENHOUR

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

I, Parks H. Icenhour Jr., 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 7th day of November, 2025.

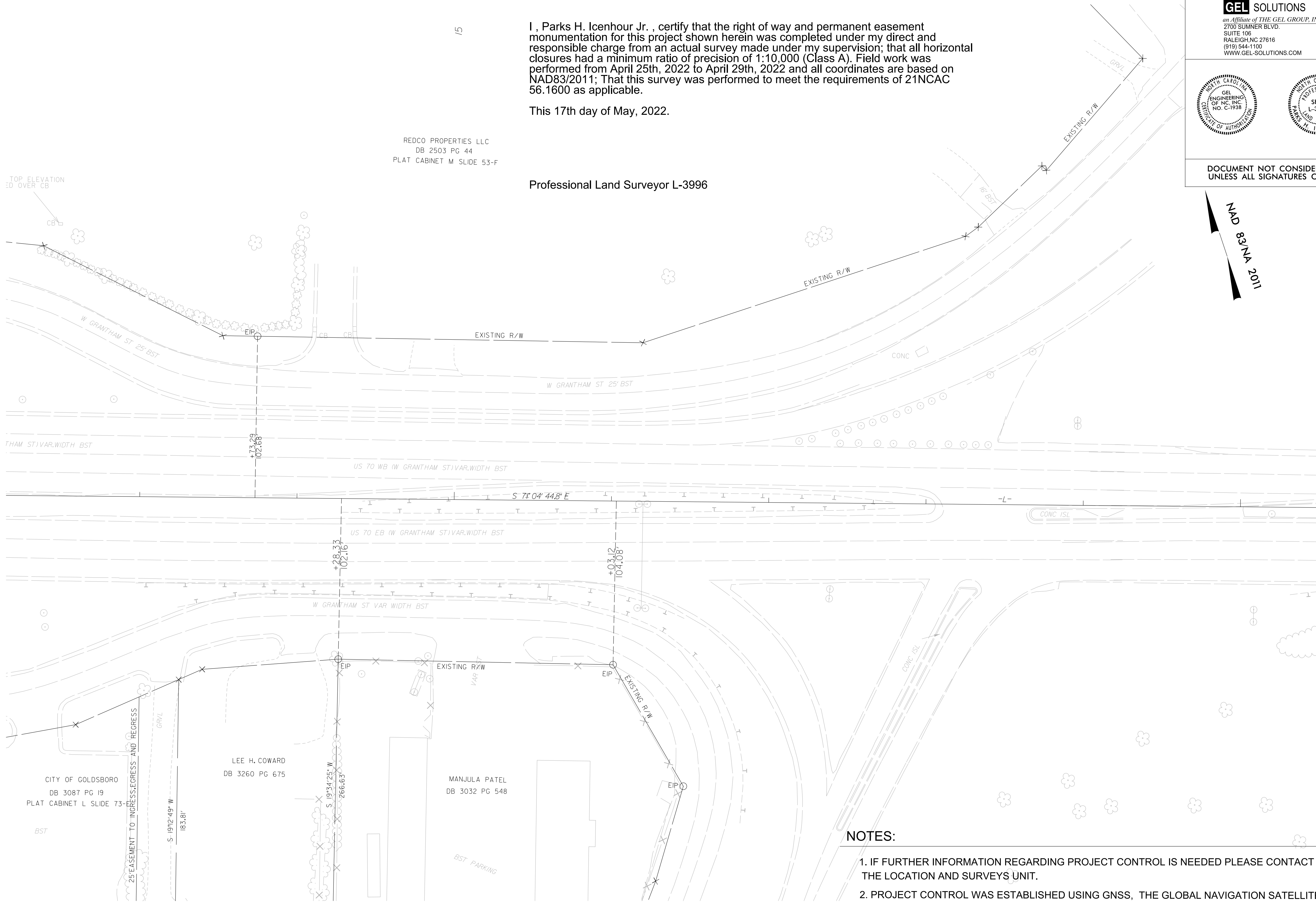
Signed by:
Parks H. Icenhour, Jr.
003CE6726646C6...

Professional Land Surveyor L-3996

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.

REVISIONS



I, Parks H. Icenhour Jr., 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 April 25th, 2022 to April 29th, 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 17th day of May, 2022.

Professional Land Surveyor L-3996

REDCO PROPERTIES LLC
DB 2503 PG 44
PLAT CABINET M SLIDE 53-F

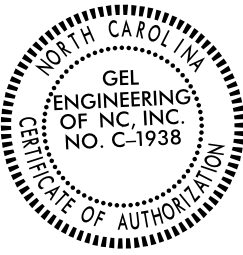
CITY OF GOLDSBORO
DB 3087 PG 19
PLAT CABINET L SLIDE 73-F

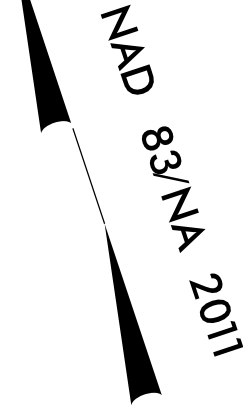
LEE H. COWARD
DB 3260 PG 675

MANJULA PATEL
DB 3032 PG 548

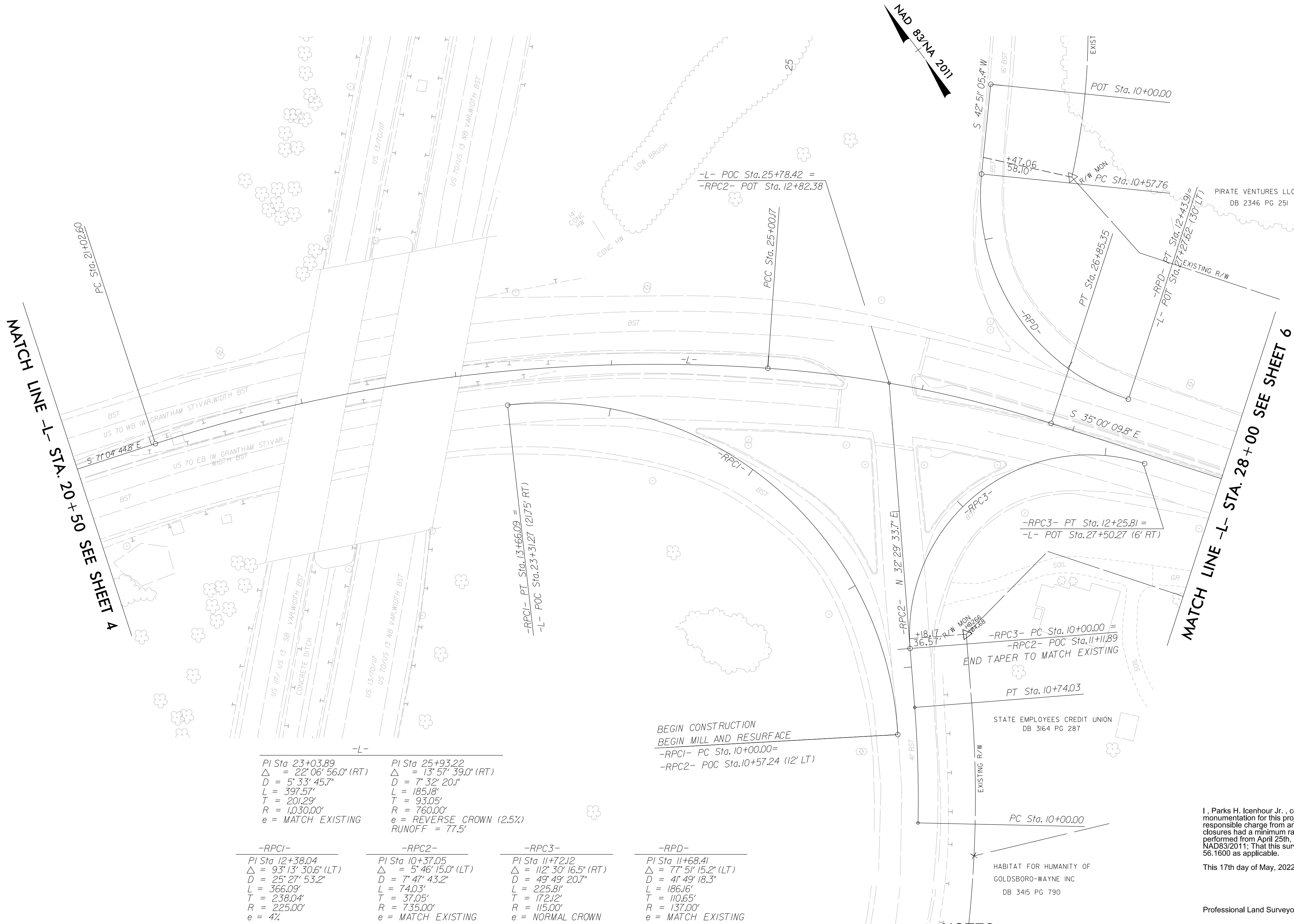
NOTES:

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2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
3. RIGHT OF WAY MONUMENTATION ESTABLISHED 4/25/2022 TO 4/29/2022.

PROJECT REFERENCE NO.	SHEET NO.
B-4838	RW04
Location and Surveys	
GEL SOLUTIONS an Affiliate of THE GEL GROUP, INC. 2700 SUMNER BLVD. SUITE 106 RALEIGH, NC 27616 (919) 544-1100 WWW.GEL-SOLUTIONS.COM	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



MATCH LINE -L- STA. 20 + 50 SEE SHEET 5



-L- PI Sta. 23+03.89 Δ = 22° 08' 56.0" (RT) D = 5' 33' 45.7" L = 397.57' T = 201.29' R = 1030.00' e = MATCH EXISTING	-L- PI Sta. 25+93.22 Δ = 13° 57' 39.0" (RT) D = 7' 32' 20.1" L = 185.18' T = 93.05' R = 760.00' e = REVERSE CROWN (2.5%) RUNOFF = 77.5'
-RPC1- PI Sta. 12+38.04 Δ = 93° 13' 30.6" (LT) D = 25' 27' 53.2" L = 366.09' T = 238.04' R = 225.00' e = 4%	-RPC2- PI Sta. 10+37.05 Δ = 5° 46' 15.0" (LT) D = 7' 47' 43.2" L = 74.03' T = 37.05' R = 735.00' e = MATCH EXISTING
-RPC3- PI Sta. 11+72.12 Δ = 112° 30' 16.5" (RT) D = 49' 49' 20.7" L = 186.16' T = 172.12' R = 115.00' e = NORMAL CROWN	-RPD- PI Sta. 11+68.41 Δ = 77° 51' 15.2" (LT) D = 41' 49' 18.3" L = 110.65' T = 137.00' R = 137.00' e = MATCH EXISTING

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 4/25/2022 TO 4/29/2022 .

PROJECT REFERENCE NO.

B-4838

SHEET NO.

RW05

Location and Surveys

GEL SOLUTIONS

an Affiliate of THE GEL GROUP, INC.
2700 SUMNER BLVD.
SUITE 106
RALEIGH, NC 27616
(919) 544-1100
WWW.GEL-SOLUTIONS.COM

STATE OF NORTH CAROLINA
GEL ENGINEERING
OF NC, INC.
NO. C-1938
EXPIRATION DATE 12/31/2025
JASON PREVETTE
REGISTERED PROFESSIONAL LAND SURVEYOR

STATE OF NORTH CAROLINA
PROFESSIONAL
SEAL
L-3996
JASON PREVETTE
REGISTERED PROFESSIONAL LAND SURVEYOR

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

I, Parks H. Icenhour Jr., 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 April 25th, 2022 to April 29th 2022, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

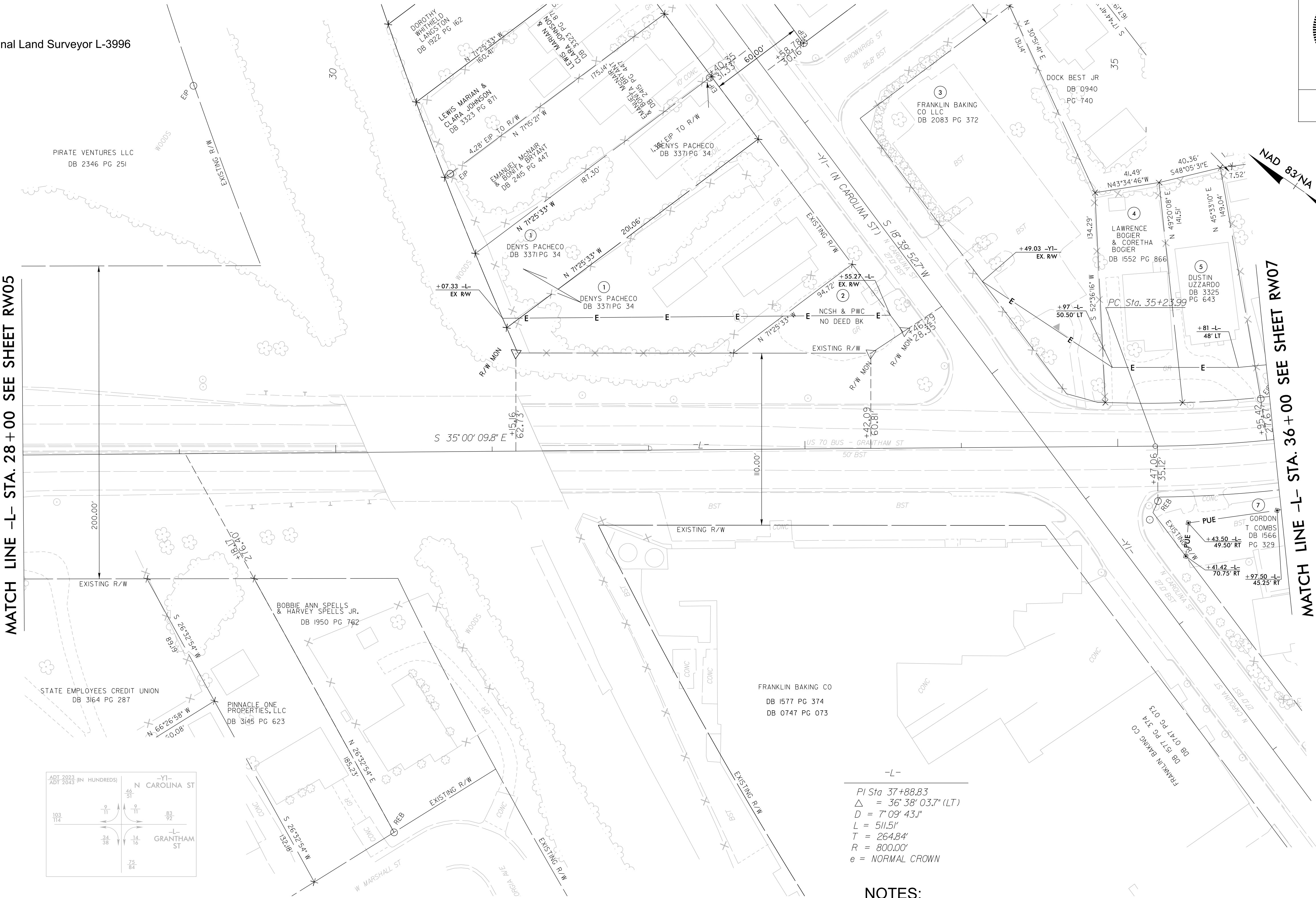
This 17th day of May, 2022.

Professional Land Surveyor L-3996

I, Parks H. Icenhour Jr., 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 April 25th, 2022 to April 29th, 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 20th day of September, 2022.

Professional Land Surveyor L-3996



PROJECT REFERENCE NO.	SHEET NO.
B-4838	RW06
Location and Surveys	
GEL SOLUTIONS an Affiliate of THE GEL GROUP, INC. 2700 SUMNER BLVD. SUITE 106 RALEIGH, NC 27616 (919) 544-1100 WWW.GEL-SOLUTIONS.COM	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

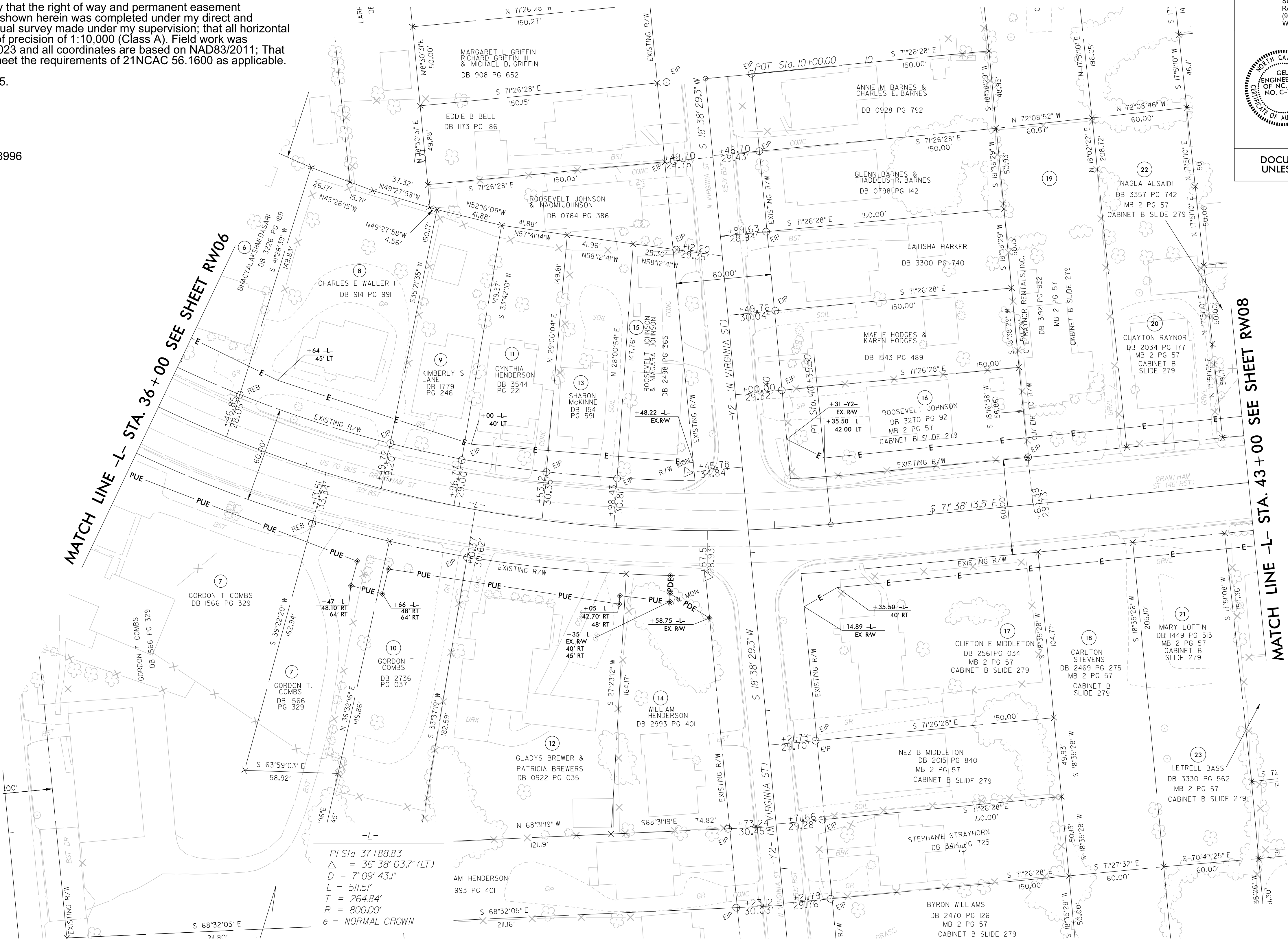
REVISIONS

I, Parks H. Icenhour Jr., 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 March 22nd, 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 7th day of November, 2025.

Signed by:
Parks H. Icenhour, Jr.
023CCE7268464CR

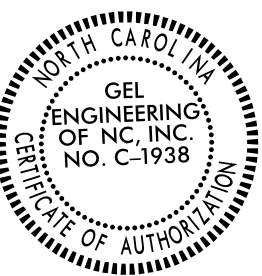
Professional Land Surveyor L-3996

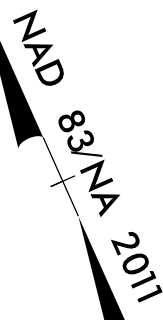


PI Sta 37+88.83
Δ = 36° 38' 03.7" (LT)
D = 7° 09' 43.1"
L = 511.51'
T = 264.84'
R = 800.00'
e = NORMAL CROWN

NOTES:

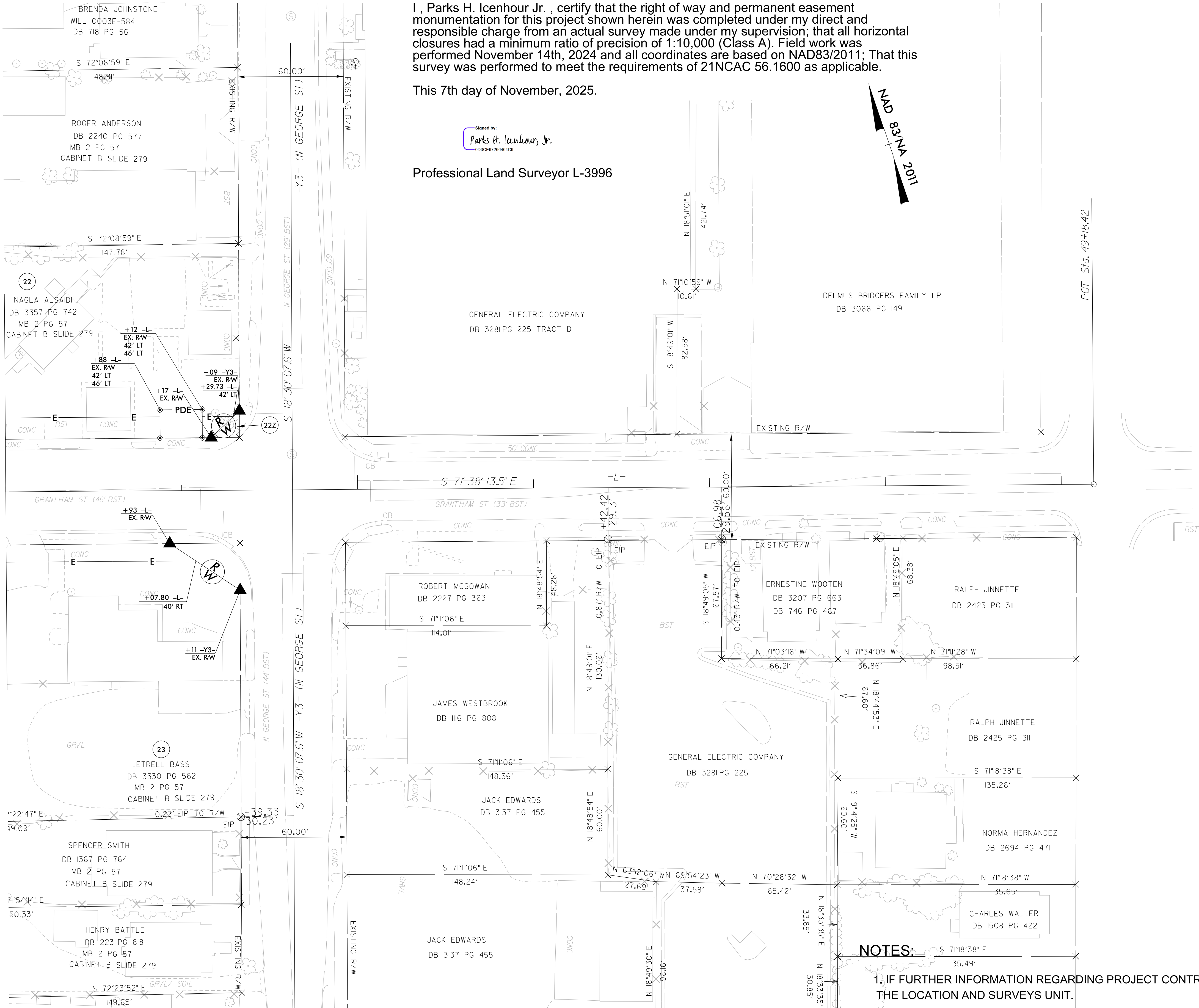
1. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
3. RIGHT OF WAY MONUMENTATION ESTABLISHED 3/22/2023.

PROJECT REFERENCE NO.	SHEET NO.
B-4838	RW07
Location and Surveys	
 an Affiliate of THE GEL GROUP, INC. 2700 SUMNER BLVD. SUITE 106 RALEIGH, NC 27616 (919) 544-1100 WWW.GEL-SOLUTIONS.COM	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



REVISIONS

MATCH LINE -L- STA. 43 + 00 SEE SHEET RW07



I, Parks H. Icenhour Jr., 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 November 14th, 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 November, 2025.

Signed by:
Parks H. Icenhour, Jr.
003CE8728646AC6

Professional Land Surveyor L-3996

NAD 83/NA 2011

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 11/14/2024 .

PROJECT REFERENCE NO.	SHEET NO.
B-4838	RW08
Location and Surveys	
 an Affiliate of THE GEL GROUP, INC. 2700 SUMNER BLVD. SUITE 106 RALEIGH, NC 27616 (919) 544-1100 WWW.GEL-SOLUTIONS.COM	
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