

6/2/2019

REVISIONS

I, F. Rex Cooper, a Professional Land Surveyor in the state of North Carolina hereby certify to the best of my knowledge and belief that the following work item(s) (R/W Staking) performed under my responsible charge meet NCDOT Survey Standards as directed in the NCDOT Location & Surveys guidelines and procedures.

I further certify that the right of way and permanent easement points shown herein and outlined in the tables shown hereon (localized coordinates, station/offset) have been checked and are accurate representations of the right of way and permanent easement points depicted on the corresponding highway plans. I also certify that the right of way and permanent easement points shown herein have been field monumented under my supervision from existing survey control provided by others; that the depicted property data shown herein were surveyed by others; and these monuments denote the right of way and easement boundaries at the time of staking which may be subject to change due to right of way revisions (See deeds for final determination).

Witness my original signature, registration number and seal this 10th day of April, 2020.

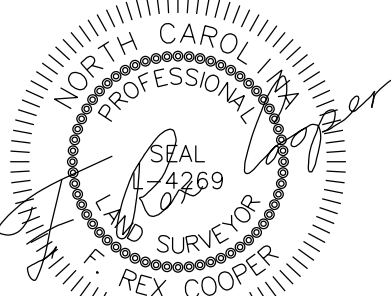
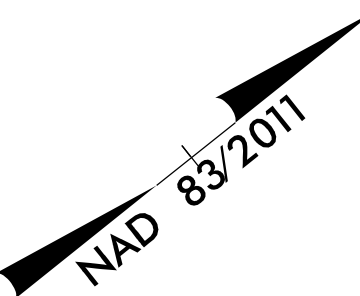
DocuSigned by:

F. Rex Cooper

61DD1950E8574DD

Professional Land Surveyor

L-4269



DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED

PROJECT REFERENCE NO.

I-5883

SHEET NO.

RW64

Location and Surveys



Stantec

801 JONES FRANKLIN ROAD  
RALEIGH, NC 27606  
USCENS: NC-164072  
www.stantec.com

WILLIAM SEASE  
DB 3351 PG 613

ROBERT & LAURIE GASKINS  
DB 3433 PG 614  
PB 2016 PG 143

157

DAVID & THELMA PRINCE  
DB 1748 PG 730

140

ROBIN WHITLEY HOOD II  
DB 2959 PG 799  
TRACT I

140

ROBIN WHITLEY HOOD II  
DB 2959 PG 799  
TRACT I

117

JAMES GORDAN III  
DB 2387 PG 586  
TRACT I

156

JAMES & DIANE YOUNG  
DB 2399 PG 934

WILLIAM SEASE  
DB 3351 PG 613

POC  
3,500.00' S

OB

-Y17- PCC Sta. 14+18.67

END CONSTRUCTION  
-SR16- POT Sta. 85+93.68

-SR16- PT Sta. 84+53.08

BEGIN CONSTRUCTION  
-Y17- POC Sta. 13+50.00

-Y17- PC Sta. 12+00.00

MATCH TO -SR16- POC  
Sta. 78+00.00 - SHEET 32

MATCH TO -Y17- POC  
Sta. 18+00.00 - SHEET 32

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 FROM FEBRUARY 2020 TO APRIL 2020 .

FOR -Y17- PROFILE SEE SHEET 112  
FOR -SR16- PROFILE SEE SHEET 126

I:\495-2020\_17603\_V1784\active\external\Exports\20041011-5986B\_1s\_rw64\_200410.dgn  
AT: Bukovnik



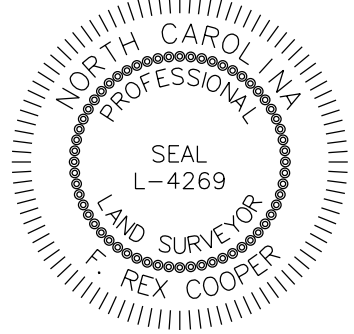
I, F. Rex Cooper, a Professional Land Surveyor in the state of North Carolina hereby certify to the best of my knowledge and belief that the following work item(s) (R/W Staking) performed under my responsible charge meet NCDOT Survey Standards as directed in the NCDOT Location & Surveys guidelines and procedures.

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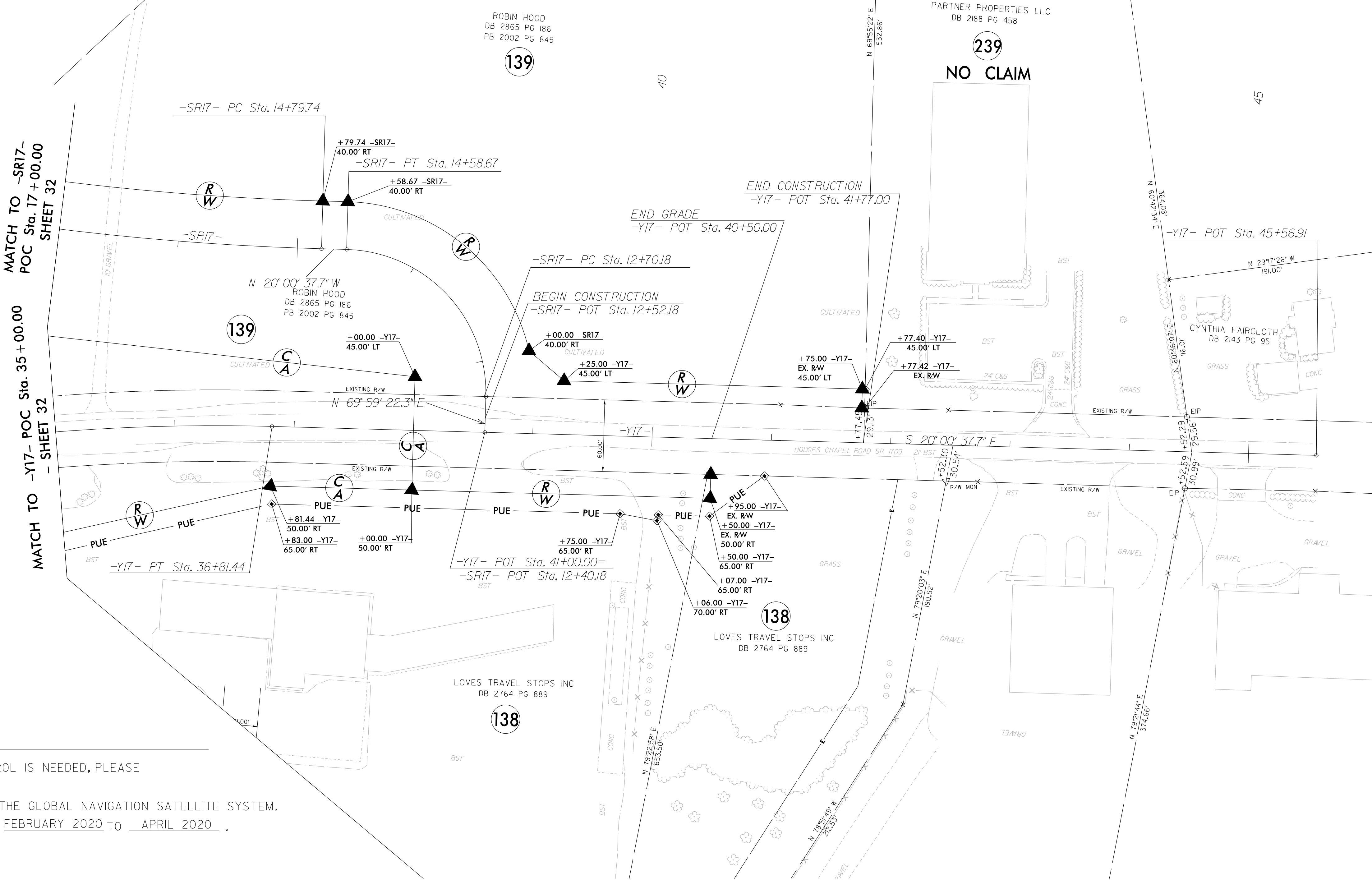
DocuSigned by:  
*Rex Cooper*  
61DD1950E8574DD  
Professional Land Surveyor

L-4269



DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED

| PROJECT REFERENCE NO.                                                                                  | SHEET NO. |
|--------------------------------------------------------------------------------------------------------|-----------|
| I-5883                                                                                                 | RW65      |
| Location and Surveys                                                                                   |           |
|  <b>Stantec</b>     |           |
| <small>801 JONES FRANKLIN ROAD<br/>RALEIGH, NC 27606<br/>USCENS: NC-164072<br/>www.stantec.com</small> |           |



NOTES:

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- PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
- RIGHT OF WAY MONUMENTATION ESTABLISHED FROM FEBRUARY 2020 TO APRIL 2020 .

FOR -Y17- PROFILE SEE SHEET 112 & 113  
FOR -SR17- PROFILE SEE SHEET 126



09/08/19

TIP PROJECT: I-5986B

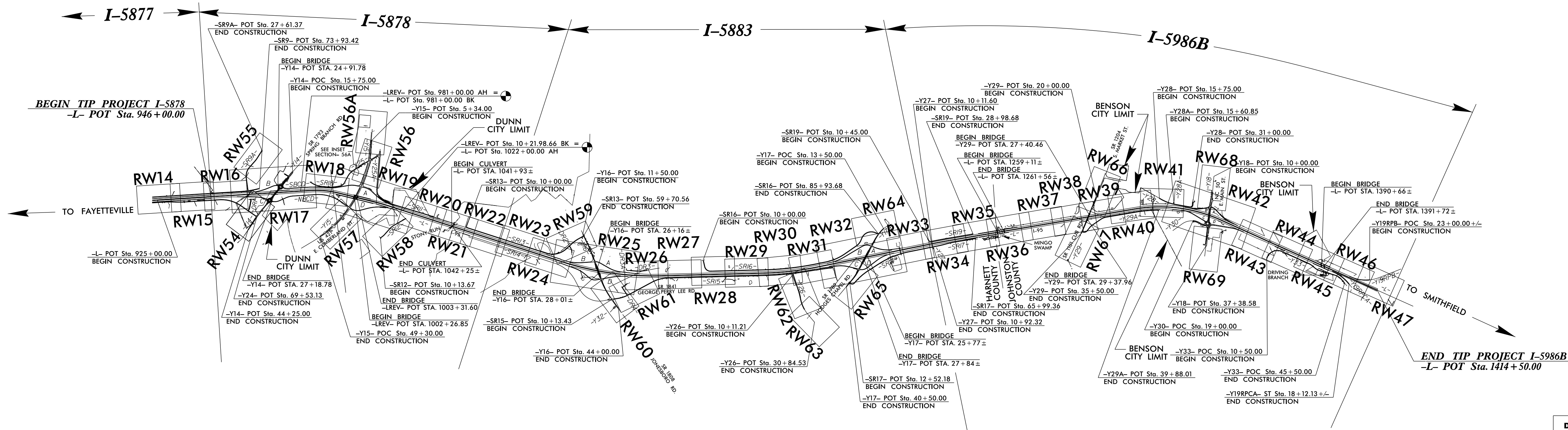
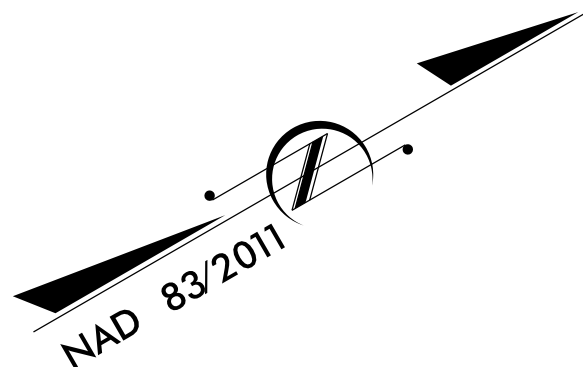
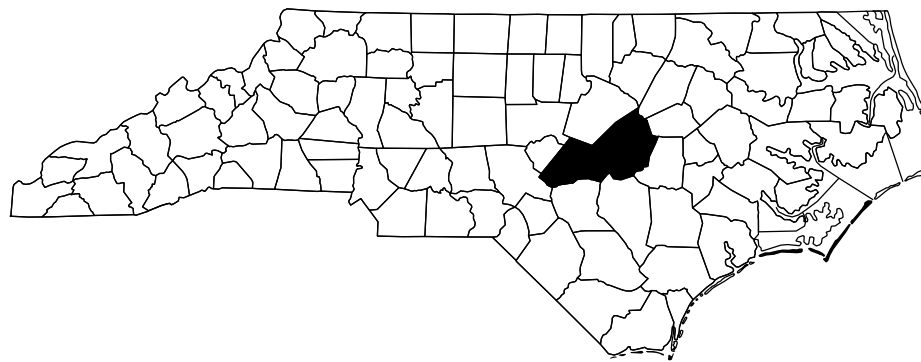
| STATE   | STATE PROJECT REFERENCE NO. | SHEET NO. | TOTAL SHEETS |
|---------|-----------------------------|-----------|--------------|
| N.C.    | I-5986B                     | RW01      | 21           |
| I-5986B | 47532.2.3                   | XXXXXX    | R/W & UTIL.  |

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

# HARNETT AND JOHNSTON COUNTIES

LOCATION: I-95 FROM NORTH OF SR 1002 (LONG BRANCH ROAD)  
(EXIT 71) TO I-40 (EXIT 81). WIDEN TO EIGHT LANES.

TYPE OF WORK: GRADING, PAVING, DRAINAGE, SIGNALS, CULVERTS,  
AND STRUCTURES



DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED

## GRAPHIC SCALE



## DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT  
IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY  
NCDOT FOR MONUMENT "I-5878-4"  
WITH NAD 83/NSRS 2011 STATE PLANE GRID COORDINATES OF  
NORTHING: 559,118.126(ft) EASTING: 2,119,018.783(ft)  
ELEVATION: 189.96(ft)  
THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT  
(GROUND TO GRID) IS: 0.999869137127  
THE N.C. LAMBERT GRID BEARING AND  
LOCALIZED HORIZONTAL GROUND DISTANCE FROM  
"I-5878-4" TO -L- STATION 946+00.00 IS  
S 87°57'39" W 2063.45'(ft)  
ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES  
VERTICAL DATUM USED IS NAVD 88 GEOID G12NC

I-5986B R/W Sheets Prepared in the Office of:

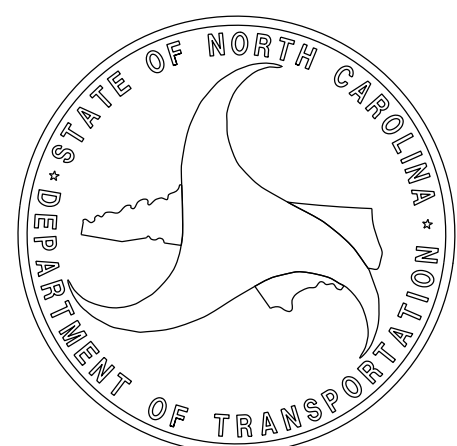
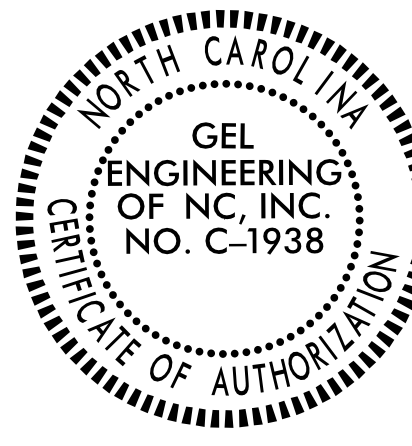
**GEL SOLUTIONS**

2018 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:  
AUGUST 16, 2019

LETTING DATE:  
OCTOBER 20, 2020

PROFESSIONAL LAND  
SURVEYOR



SIGNATURE:

Date:





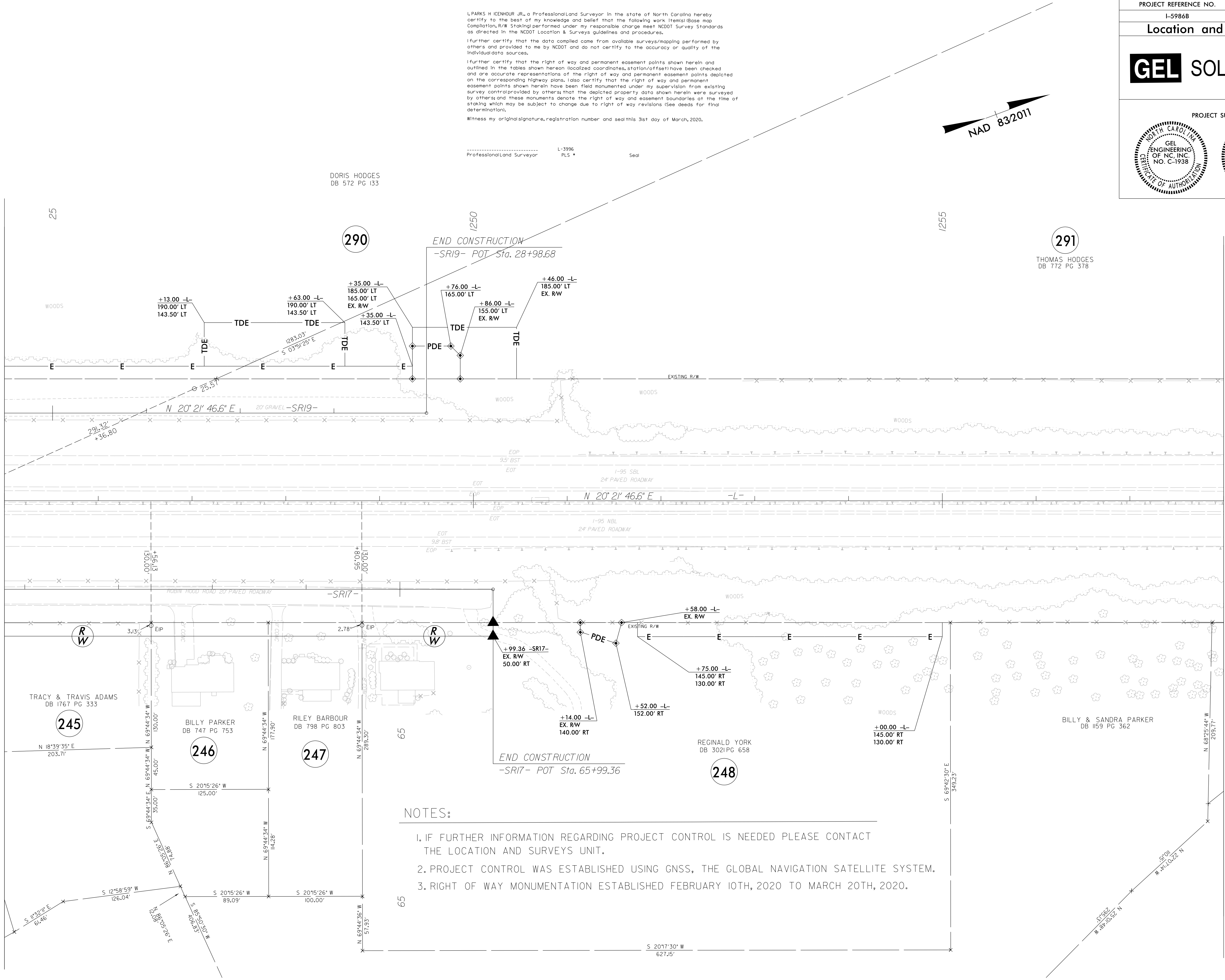


REVISIONS

REVISIONS

MATCH TO -L- POT STA. 1245 + 00.00 - SEE SHEET 34

MATCH TO -L- POT STA. 1258 + 00.00 - SEE SHEET 36



I, PARKS H. ICENHOUR JR., a Professional Land Surveyor in the state of North Carolina hereby certify to the best of my knowledge and belief that the following work item(s) (Base map compilation, R/W Staking) performed under my responsible charge meet NCDOT Survey Standards as directed in the NCDOT Location & Surveys guidelines and procedures.

I further 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.

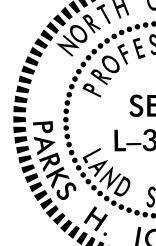
I further certify that the right of way and permanent easement points shown herein and outlined in the tables shown hereon (localized coordinates, station/offset) have been checked and are accurate representations of the right of way and permanent easement points depicted on the corresponding highway plans. I also certify that the right of way and permanent easement points shown herein have been field monumented under my supervision from existing survey control provided by others; that the depicted property data shown herein were surveyed by others and these monuments denote the right of way and easement boundaries at the time of staking which may be subject to change due to right of way revisions (See deeds for final determination).

Witness my original signature, registration number and seal this 31st day of March, 2020.

Professional Land Surveyor L-3996 PLS Seal

|                       |           |
|-----------------------|-----------|
| PROJECT REFERENCE NO. | SHEET NO. |
| I-5986B               | RW35      |
| Location and Surveys  |           |
| <b>GEL SOLUTIONS</b>  |           |
| PROJECT SURVEYOR      |           |
|                       |           |



|                                                                                                                                                                                                                                                                                       |                                                                                     |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| PROJECT REFERENCE NO.<br>I-5986B                                                                                                                                                                                                                                                      | SHEET NO.<br>RW36                                                                   |
| Location and Surveys                                                                                                                                                                                                                                                                  |                                                                                     |
| <div style="display: flex; align-items: center; justify-content: center;"> <div style="background-color: black; color: white; padding: 10px; margin-right: 10px; font-size: 2em; font-weight: bold;">GEL</div> <div style="font-size: 4em; font-weight: bold;">SOLUTIONS</div> </div> |                                                                                     |
| PROJECT SURVEYOR                                                                                                                                                                                                                                                                      |                                                                                     |
|                                                                                                                                                                                                    |  |

I, PARKS H HENRIK JR., a professional Land Surveyor in the state of North Carolina hereby certify to the best of my knowledge and belief that the following work item(s) (Base map Compilation, R/W Staking) performed under my responsible charge meet NCDOT Survey Standards as directed in the NCDOT Location & Surveys guidelines and procedures.

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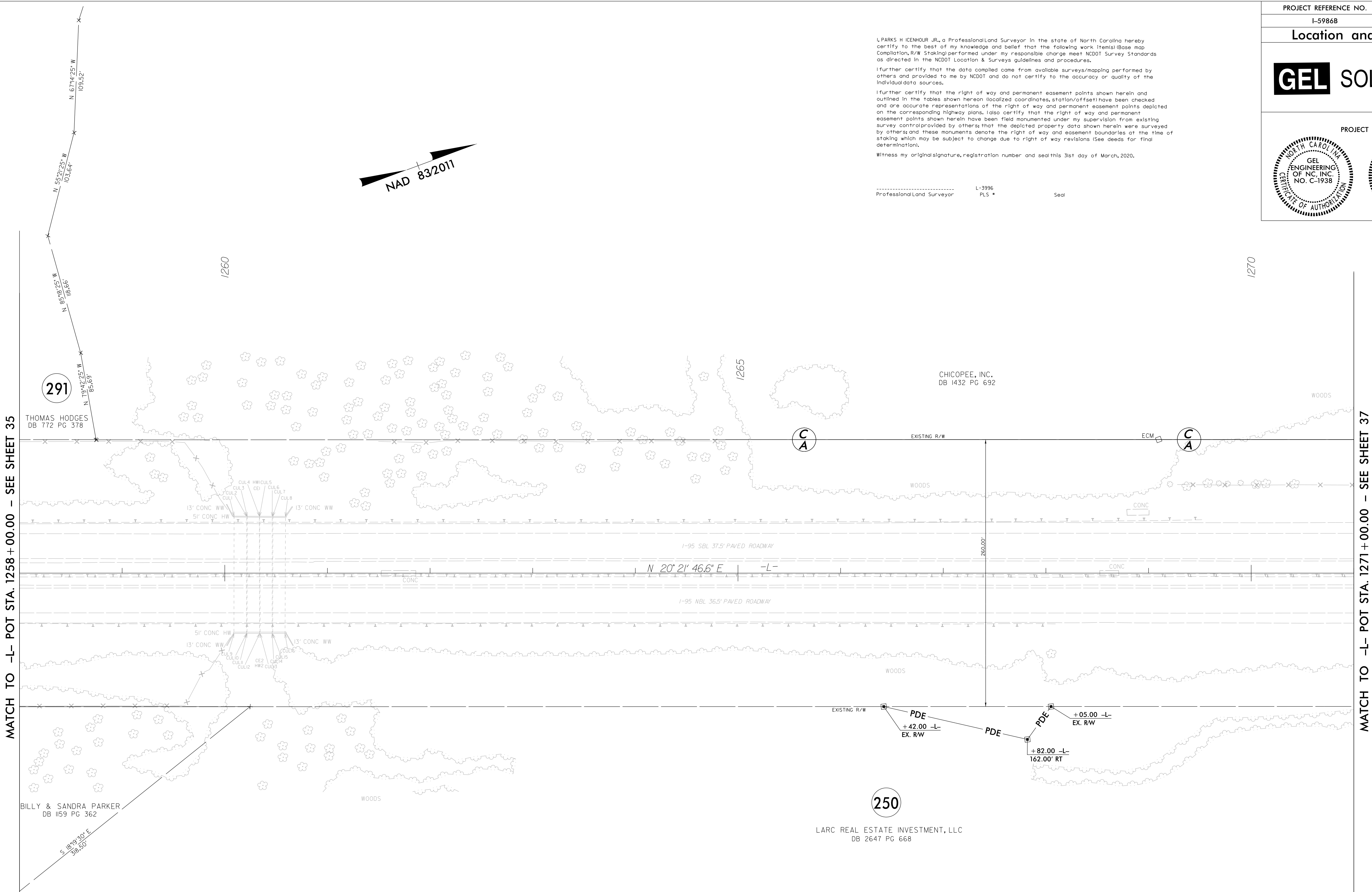
I further certify that the right of way and permanent easement points shown herein and outlined in the tables shown herein localized coordinates, station/offsets have been checked and are accurate representations of the right of way and permanent easement points depicted on the corresponding highway plans. I also certify that the right of way and permanent easement points shown herein have been field monumented under my supervision from existing survey control provided by others; that the depicted property data shown herein were surveyed by others; and these monuments denote the right of way and easement boundaries at the time of staking which may be subject to change due to right of way revisions (See deeds for final

Witness my original signature, registration number and seal this 31st day of March, 2020.

Professional Land Surveyor

L-3996  
PLS

Sec



NOTES:

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2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
3. RIGHT OF WAY MONUMENTATION ESTABLISHED FEBRUARY 10TH, 2020 TO MARCH 20TH, 2020.



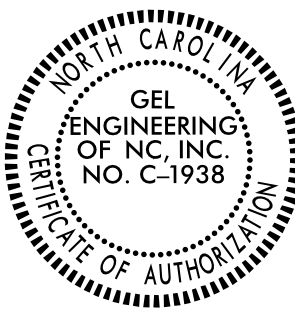
30-MAR-2020\_4541  
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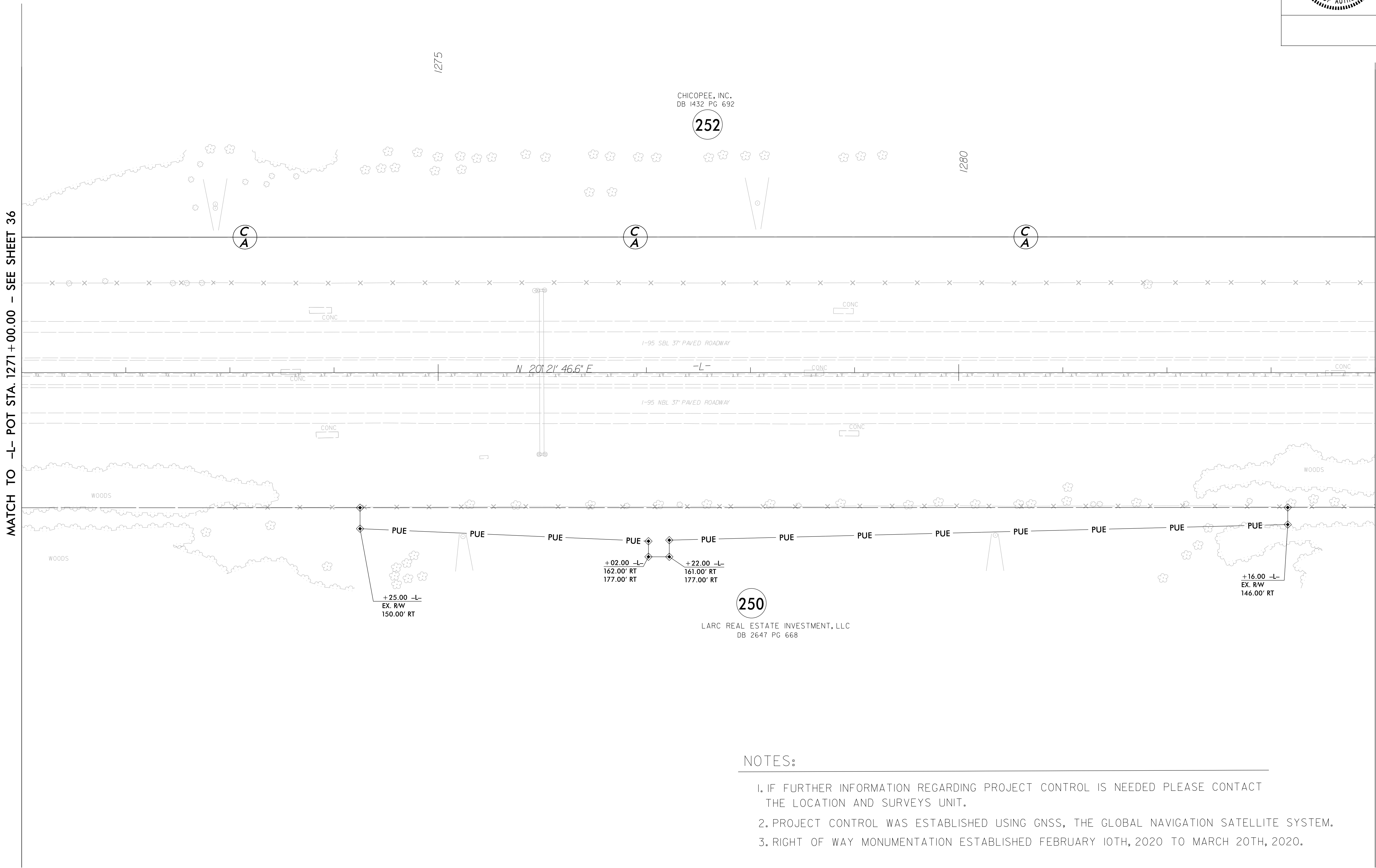
I, PARKS K HENHOUR JR., a Professional Land Surveyor in the state of North Carolina hereby certify that based on the best of my knowledge and belief that the following work item(s) have been completed in accordance with the requirements of the right of way and permanent easement portions as directed in the NCDOT Location Survey report(s) for the following project:

I further 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.

I further certify that the right of way and permanent easement points shown herein and outlined in the tables shown herein (localized coordinates, station/offset) have been checked and found to be an accurate representation of the right of way and permanent easement portions on the corresponding highway plans. I also certify that the right of way and permanent easement points shown herein have been field monumented under my supervision from existing survey control provided by others that the depicted property data shown herein were surveyed by others and these data monuments denote the right of way and easement boundaries at the time of staking which may be subject to change due to right of way revisions (see deeds for final determination).

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|                                                                                     |                                                                                     |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| PROJECT REFERENCE NO.<br>I-5986B                                                    | SHEET NO.<br>RW37                                                                   |
| Location and Surveys                                                                |                                                                                     |
|  |                                                                                     |
| PROJECT SURVEYOR                                                                    |                                                                                     |
|  |  |



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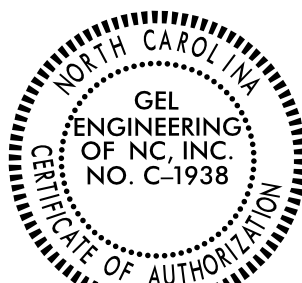
MARCH 2021 C/A ON -Y29- ADDED

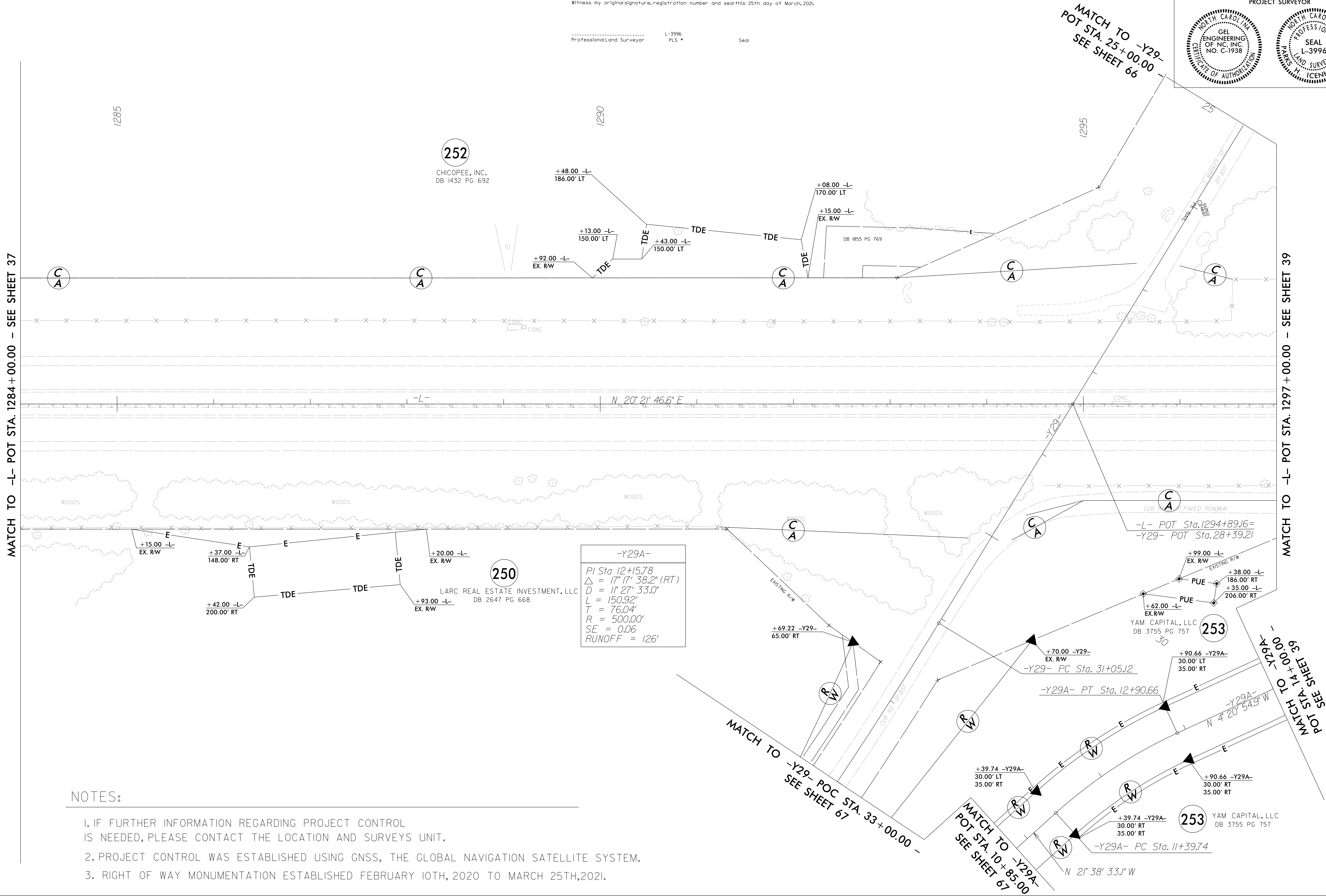
-Y29-

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Pl Sta 32+64.68  
 $\Delta = 3^\circ 43' 18.1''$  (RT)  
 $D = 1^\circ 10' 00.0''$   
 $L = 319.00'$   
 $T = 159.56'$   
 $R = 4,911.07'$   
 $SE = 0.02$   
 $RUNOFF = 42'$

Professional Land Surveyor L-3996 PLS ▪ Sec

|                                                                                     |                                                                                     |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| PROJECT REFERENCE NO.                                                               | SHEET NO.                                                                           |
| I-5986B                                                                             | RW38                                                                                |
| Location and Surveys                                                                |                                                                                     |
|  |                                                                                     |
| PROJECT SURVEYOR                                                                    |                                                                                     |
|  |  |





REVISIONS  
REVISIONS

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Professional Land Surveyor L-3996 PLS Seal

PROJECT REFERENCE NO.

I-5986B

SHEET NO.

RW39

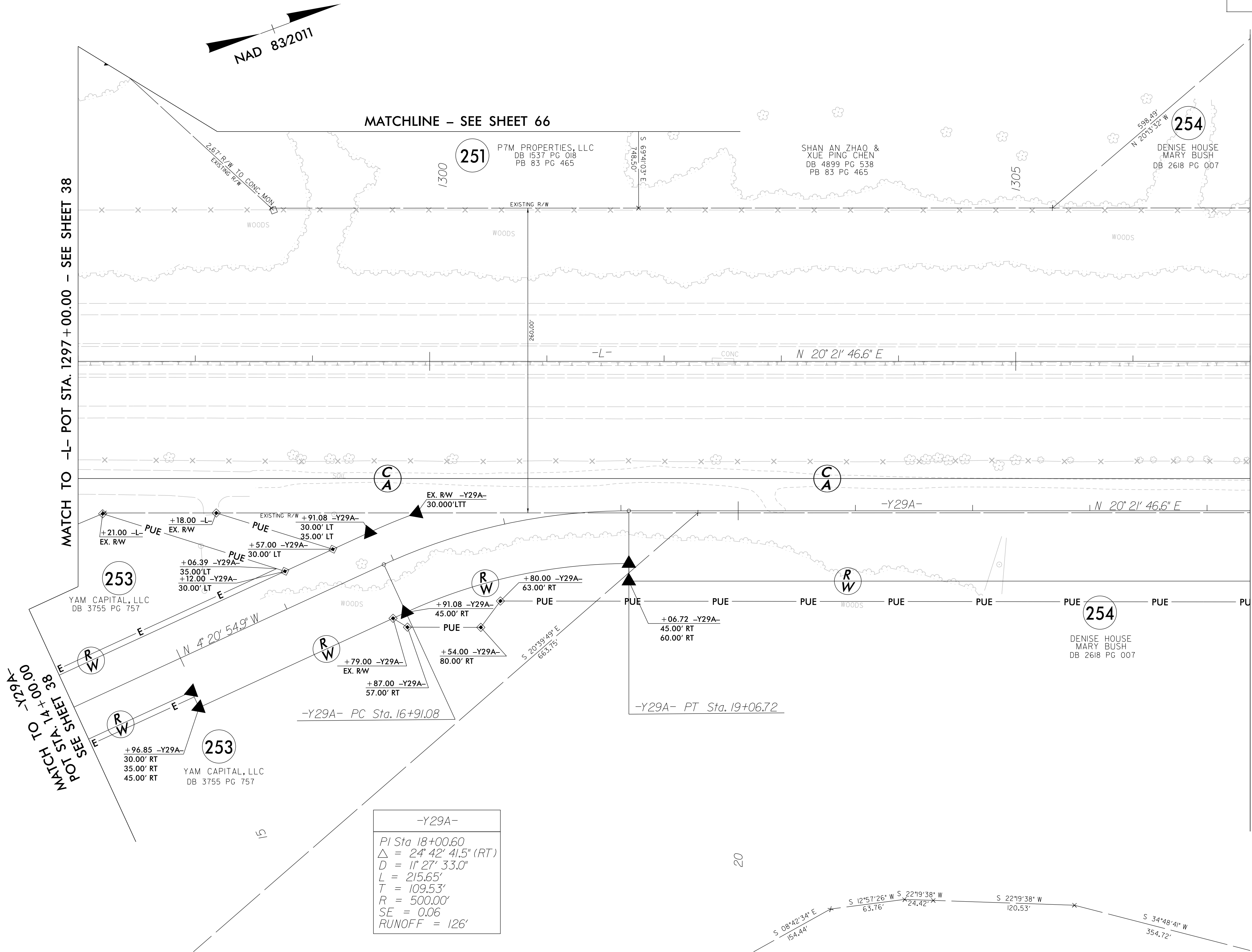
Location and Surveys

GEL SOLUTIONS

PROJECT SURVEYOR

NOTARY SEAL

NOTARY SEAL



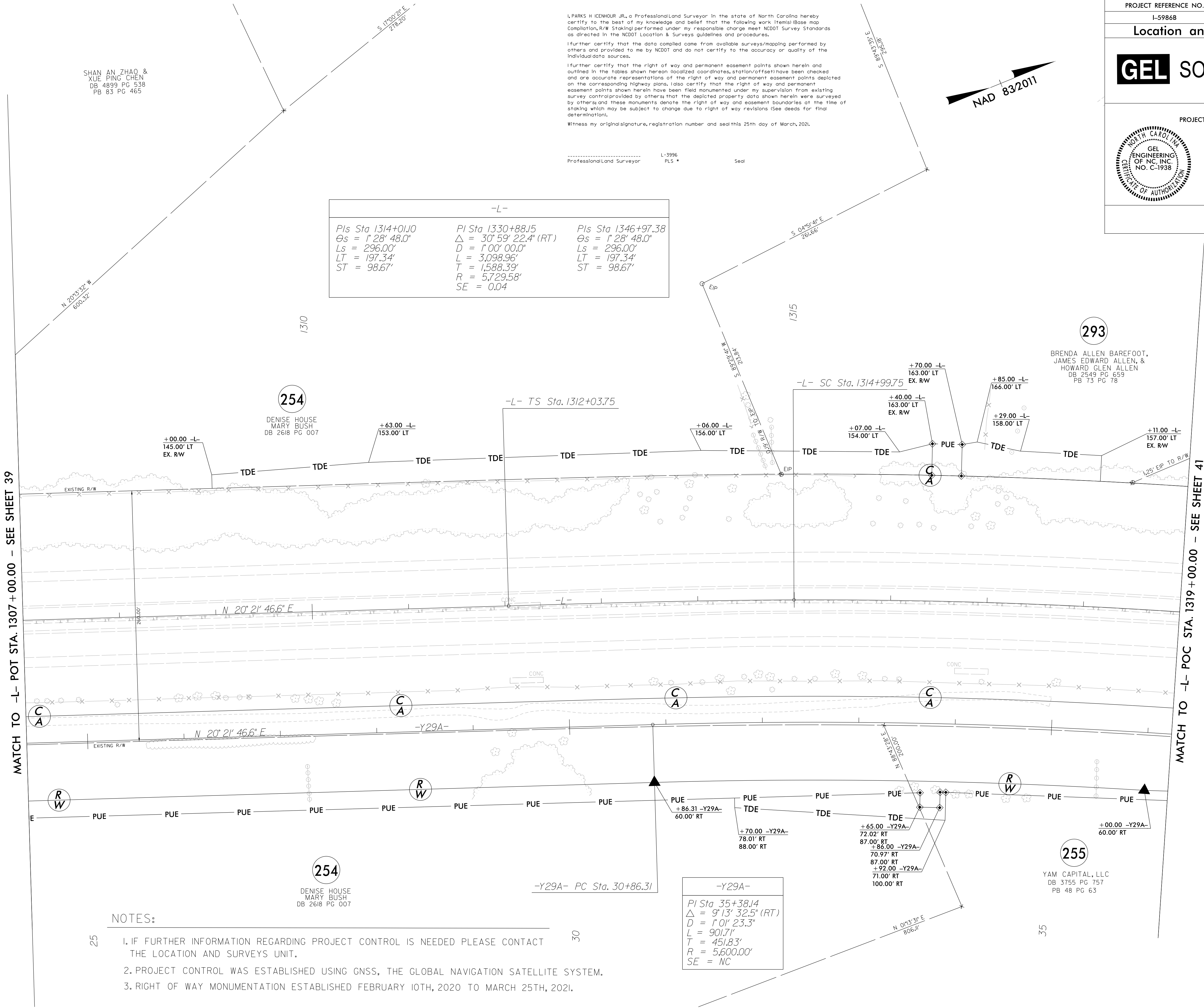


~~MARCH 2021 NEW PUE ON PARCEL 255 + 65.00 -Y29A- 72.02'RT-87'RT- +86.00 -Y29A- 70.97'RT-87'RT~~

25-MAR-2021 6:07  
C:\projects\15986\row\controlsheets\Update march 2021\1-5986\_REV\_rowsheets\1-5986B\_ls\_rw40.dgn  
GEORGE HART AT FENRGE

Professional Land Surveyor L-3996 PLS Seal

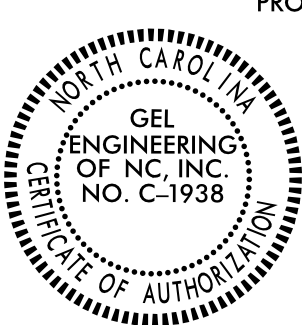
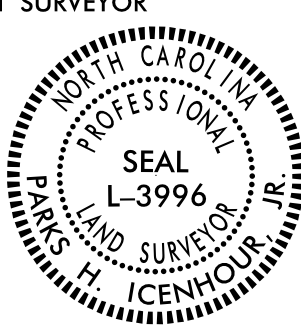
| -L-                                                                                                                 |                                                                                                                                                                         |                                                                                                                      |
|---------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|
| <i>Pls Sta 1314+01.0</i><br>$\Theta s = 1^{\circ} 28' 48.0''$<br>$L_s = 296.00'$<br>$LT = 197.34'$<br>$ST = 98.67'$ | <i>Pl Sta 1330+88.15</i><br>$\Delta = 30^{\circ} 59' 22.4'' (RT)$<br>$D = 1^{\circ} 00' 00.0''$<br>$L = 3,098.96'$<br>$T = 1,588.39'$<br>$R = 5,729.58'$<br>$SE = 0.04$ | <i>Pls Sta 1346+97.38</i><br>$\Theta s = 1^{\circ} 28' 48.0''$<br>$L_s = 296.00'$<br>$LT = 197.34'$<br>$ST = 98.67'$ |



NOTES:

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3. RIGHT OF WAY MONUMENTATION ESTABLISHED FEBRUARY 10TH, 2020 TO MARCH 25TH, 2021.

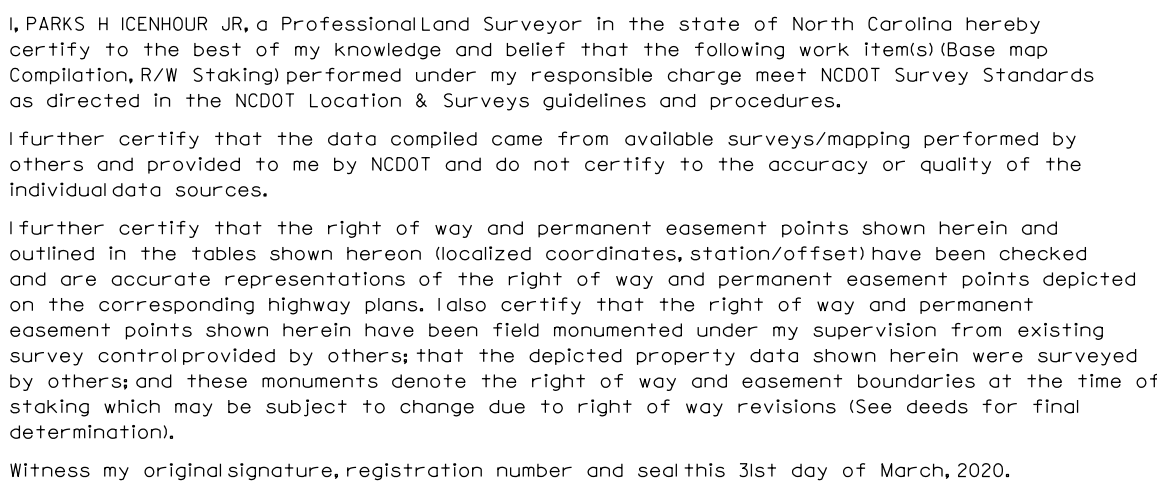
|                                                                                     |                                                                                     |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| PROJECT REFERENCE NO.<br>I-5986B                                                    | SHEET NO.<br>RW40                                                                   |
| Location and Surveys                                                                |                                                                                     |
| <div><div><b>GEL</b></div><div><b>SOLUTIONS</b></div></div>                         |                                                                                     |
| PROJECT SURVEYOR                                                                    |                                                                                     |
|  |  |

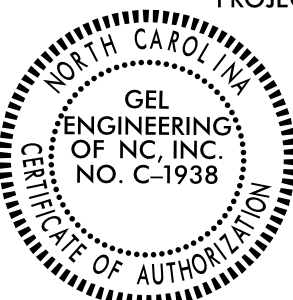


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3. RIGHT OF WAY MONUMENTATION ESTABLISHED FEBRUARY 10TH, 2020 TO MARCH 20TH, 2020.



|                                                                                                                                                                                                                                                              |                                                                                     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| PROJECT REFERENCE NO.                                                                                                                                                                                                                                        | SHEET NO.                                                                           |
| I-5986B                                                                                                                                                                                                                                                      | RW41                                                                                |
| Location and Surveys                                                                                                                                                                                                                                         |                                                                                     |
| <div style="display: flex; align-items: center;"> <div style="background-color: black; color: white; padding: 10px; margin-right: 10px; font-weight: bold; font-size: 2em;">GEL</div> <div style="font-size: 4em; font-weight: bold;">SOLUTIONS</div> </div> |                                                                                     |
| PROJECT SURVEYOR                                                                                                                                                                                                                                             |                                                                                     |
|                                                                                                                                                                           |  |

|                          |                               |                           |
|--------------------------|-------------------------------|---------------------------|
| <i>Pls Sta 1314+01.0</i> | <i>Pl Sta 1330+88.5</i>       | <i>Pls Sta 1346+97.38</i> |
| <i>Os = 1° 28' 48.0"</i> | <i>Δ = 30° 59' 22.4" (RT)</i> | <i>Os = 1° 28' 48.0"</i>  |
| <i>Ls = 296.00'</i>      | <i>D = 1° 00' 00.0"</i>       | <i>Ls = 296.00'</i>       |
| <i>LT = 197.34'</i>      | <i>L = 3,098.96'</i>          | <i>LT = 197.34'</i>       |
| <i>ST = 98.67'</i>       | <i>T = 1,588.39'</i>          | <i>ST = 98.67'</i>        |
|                          | <i>R = 5,729.58'</i>          |                           |
|                          | <i>SE = 0.04</i>              |                           |







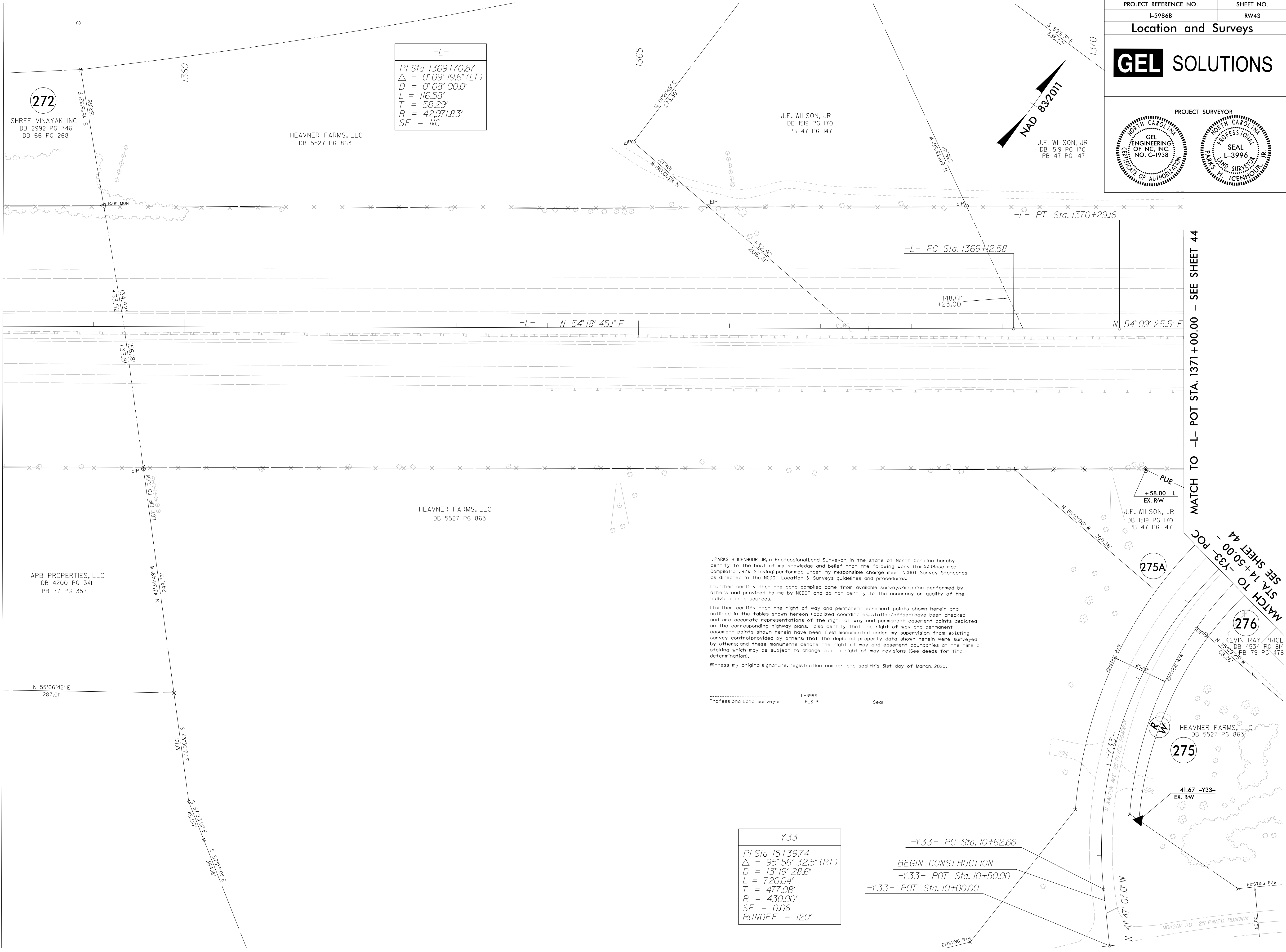
REVISIONS

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MATCH TO -L- POT STA. 1358 + 00.00 - SEE SHEET 42



PROJECT REFERENCE NO.  
I-5986B

SHEET NO.  
RW43

Location and Surveys

**GEL SOLUTIONS**

PROJECT SURVEYOR  
J.E. WILSON, JR.  
DB 1519 PG 170  
PB 47 PG 147

NORTH CAROLINA  
ENGINEERING  
OF NC, INC.  
NO. C-1938  
OFFICIAL SEAL

NORTH CAROLINA  
PROFESSIONAL  
SURVEYOR  
SEAL  
L-3996  
PARK AND SURVEY  
H. ICENHOUR JR.

I, PARKS H ICENHOUR JR, a Professional Land Surveyor in the state of North Carolina hereby certify to the best of my knowledge and belief that the following work items (Base map Compilation, R/W Staking) performed under my responsible charge meet NCDOT Survey Standards as directed in the NCDOT Location & Surveys guidelines and procedures.

I further 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.

I further certify that the right of way and permanent easement points shown herein and outlined in the tables shown hereon (localized coordinates, station/offset) have been checked and are accurate representations of the right of way and permanent easement points depicted on the corresponding highway plans. I also certify that the right of way and permanent easement points shown herein have been field monumented under my supervision from existing survey control provided by others; that the depicted property data shown herein were surveyed by others; and these monuments denote the right of way and easement boundaries at the time of staking which may be subject to change due to right of way revisions (See deeds for final determination).

Witness my original signature, registration number and seal this 31st day of March, 2020.

Professional Land Surveyor L-3996 PLS Seal

-Y33-  
PI Sta 15+39.74  
Δ = 95° 56' 32.5" (RT)  
D = 13° 19' 28.6"  
L = 720.04'  
T = 477.08'  
R = 430.00'  
SE = 0.06  
RUNOFF = 120'

-Y33- PC Sta. 10+62.66  
BEGIN CONSTRUCTION  
-Y33- POT Sta. 10+50.00  
-Y33- POT Sta. 10+00.00



REVISIONS  
REVISIONS

I, PARKS H ICENHOUR JR, a Professional Land Surveyor in the state of North Carolina hereby certify to the best of my knowledge and belief that the following work (Items) (Base map Completion, R/W Staking) performed under my responsible charge meet NCDOT Survey Standards as directed in the NCDOT Location & Surveys guidelines and procedures.

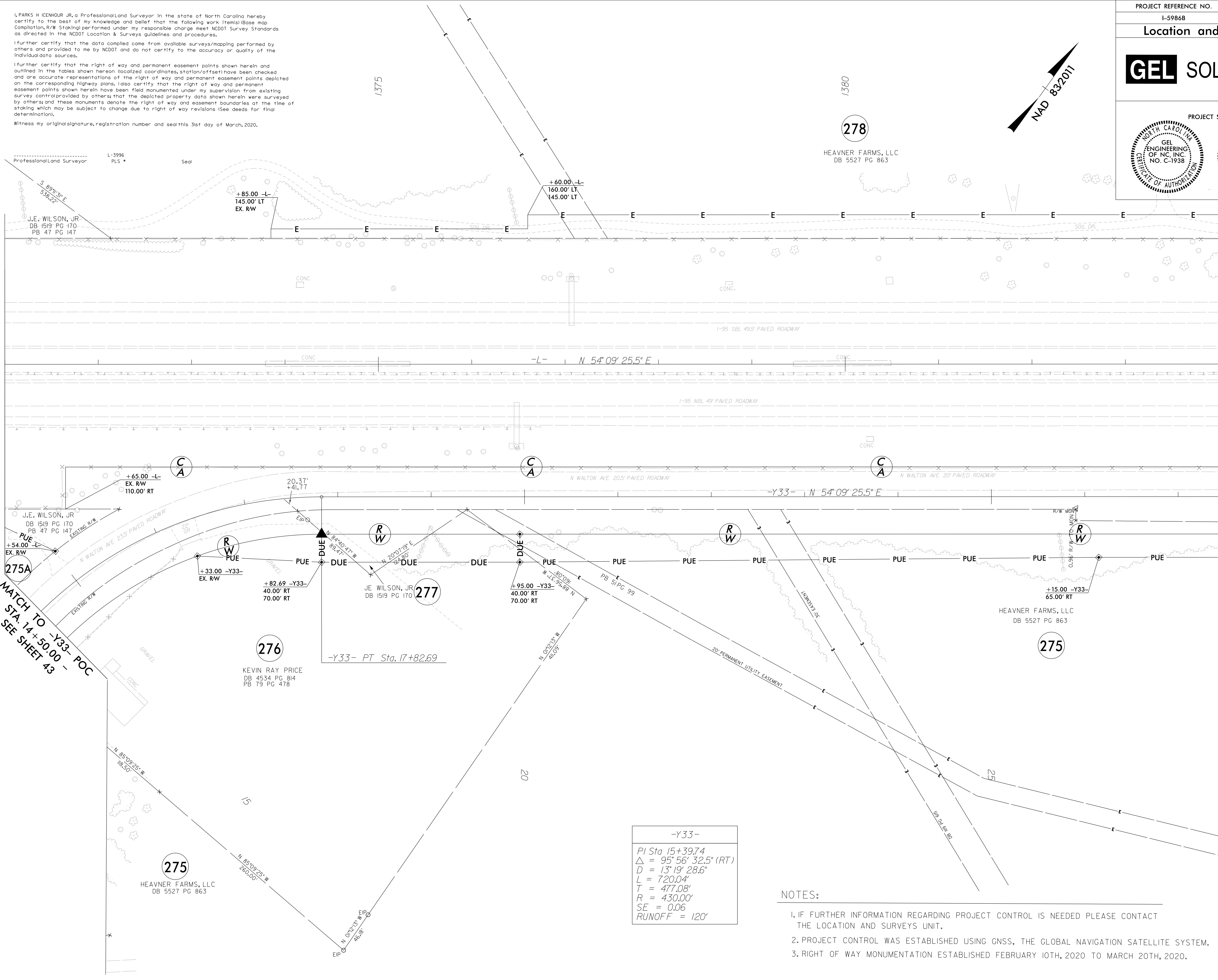
I further certify that the data compiled came from available surveys/mapping performed by others and provided to me by NCDOT and do not certify to the accuracy or quality of the individual data sources.

I further certify that the right of way and permanent easement points shown herein and outlined in the tables shown hereon (localized coordinates, station/offset) have been checked and are accurate representations of the right of way and permanent easement points depicted on the corresponding highway plans. I also certify that the right of way and permanent easement points shown herein have been field monumented under my supervision from existing survey control provided by others; that the depicted property data shown herein were surveyed by others and these monuments denote the right of way and easement boundaries at the time of staking which may be subject to change due to right of way revisions (See deeds for final determination).

Witness my original signature, registration number and seal this 31st day of March, 2020.

MATCH TO -L- POT STA 1371+00.00 - SEE SHEET 43

MATCH TO -Y33- POC STA 14+50.00 - SEE SHEET 43



|                       |           |
|-----------------------|-----------|
| PROJECT REFERENCE NO. | SHEET NO. |
| I-5986B               | RW44      |
| Location and Surveys  |           |
| <b>GEL SOLUTIONS</b>  |           |
| PROJECT SURVEYOR      |           |
|                       |           |

MATCH TO -L- POT STA 1384+00.00 - SEE SHEET 45

- 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 FEBRUARY 10TH, 2020 TO MARCH 20TH, 2020.



REVISIONS

NEW DUE ON PARCEL 280 - +78.00 -Y33- 40' RT-25.09' RT +47.00 -Y33- 40' RT-73.77' RT

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 FEBRUARY 10TH, 2020 TO MARCH 25TH, 2021.

I, PARKS H ICENHOUR JR, a Professional Land Surveyor in the state of North Carolina hereby certify to the best of my knowledge and belief that the following work items (Base map Compilation, R/W Staking) performed under my responsible charge meet NCDOT Survey Standards as directed in the NCDOT Location & Surveys guidelines and procedures.

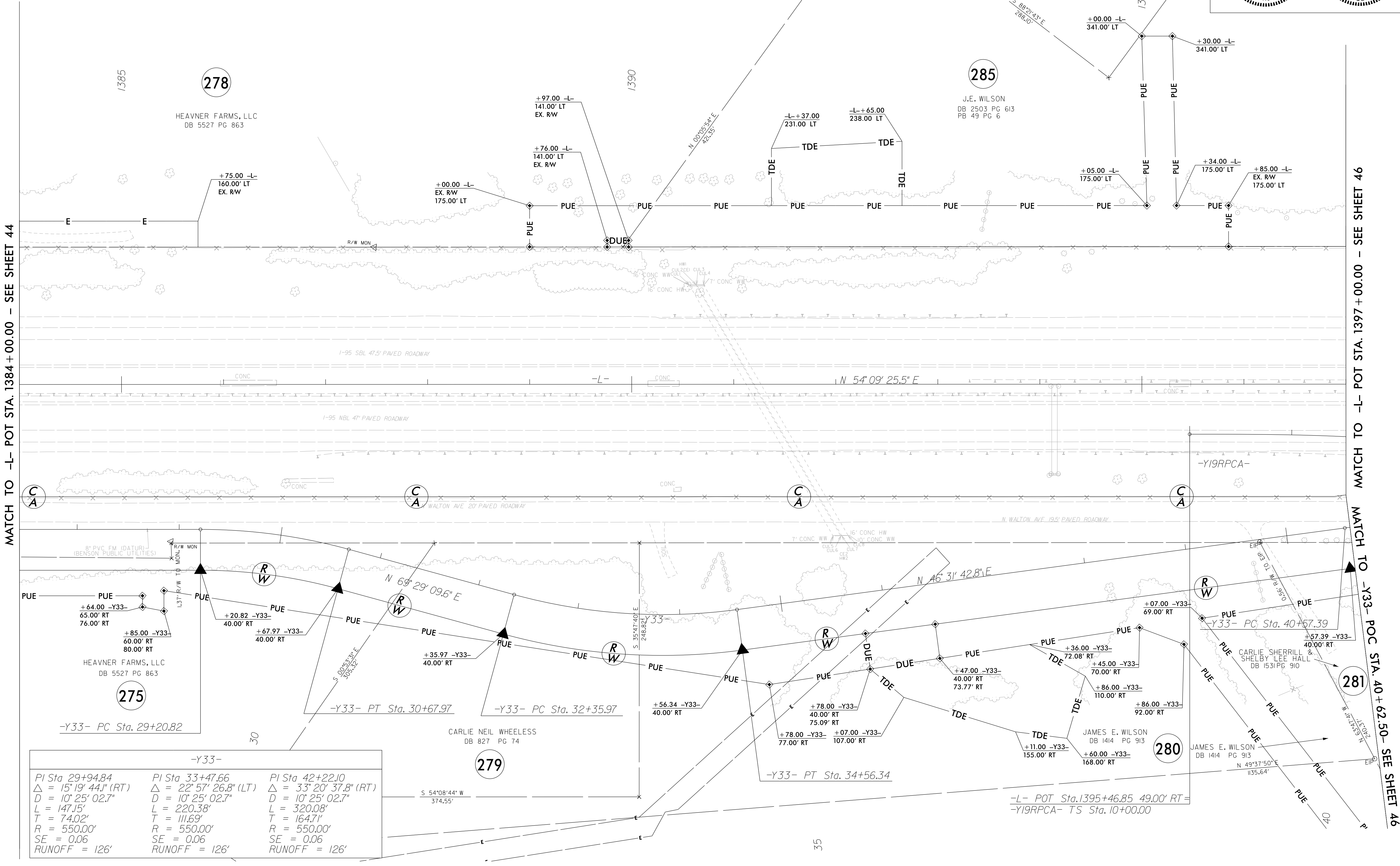
If further certify that the data compiled came from available surveys/mapping performed by others and provided to me by NCDOT and do not certify to the accuracy or quality of the individual data sources.

If further certify that the right of way and permanent easement points shown herein and outlined in the tables shown hereon (localized coordinates, station/offset) have been checked and are accurate representations of the right of way and permanent easement points depicted on the corresponding highway plans. I also certify that the right of way and permanent easement points shown herein have been field monumented under my supervision from existing survey control provided by others; that the depicted property data shown herein were surveyed by others; and these monuments denote the right of way and easement boundaries at the time of staking which may be subject to change due to right of way revisions (See deeds for final determination).

Witness my original signature, registration number and seal this 25th day of March, 2021.

Professional Land Surveyor L-3996 PLS \* Seal

| -Y19RPCA-                                                                            |                                                                                                                                             |                                                                                      |
|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| Pls Sta 11+08.02<br>Δs = 3° 05' 38.3"<br>Ls = 162.00'<br>LT = 108.02'<br>ST = 54.02' | Pls Sta 14+19.77<br>Δ = 19° 30' 05.2" (RT)<br>D = 3° 49' 11.0"<br>L = 510.55'<br>T = 257.77'<br>R = 1,500.00'<br>SE = 0.06<br>RUNOFF = 162' | Pls Sta 17+26.56<br>Δs = 3° 05' 38.3"<br>Ls = 162.00'<br>LT = 108.02'<br>ST = 54.02' |



PROJECT REFERENCE NO.  
I-5986B

SHEET NO.  
RW45

Location and Surveys

GEL SOLUTIONS

PROJECT SURVEYOR  
NORTH CAROLINA  
ENGINEERING  
OF NC, INC.  
NO. C-1938  
OFFICE OF AUTHORIZATION

SEAL  
L-3996  
PARKS H. ICENHOUR JR.

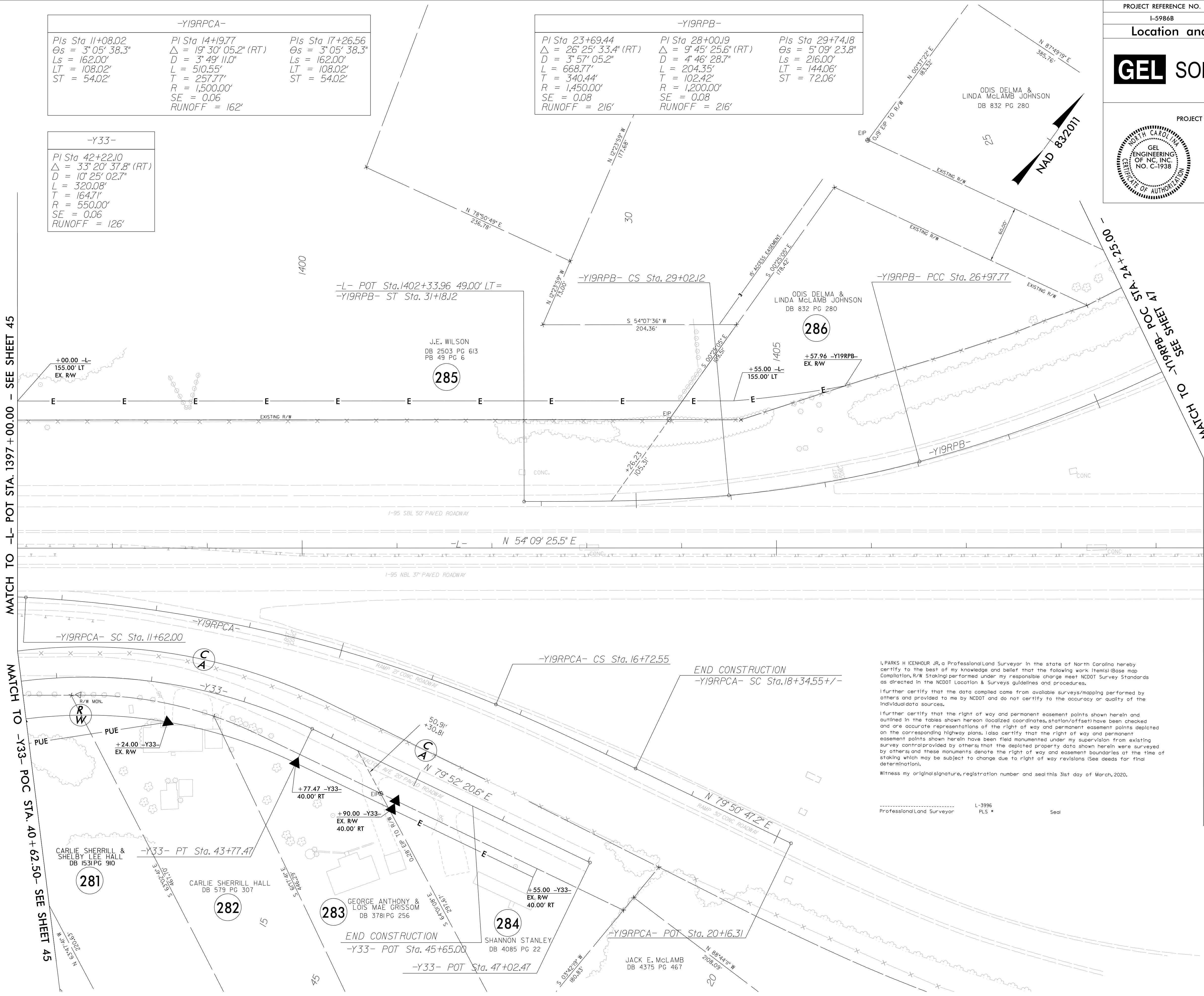


REVISIONS

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 FEBRUARY 10TH, 2020 TO MARCH 20TH, 2020.



PROJECT REFERENCE NO.

L-5986B

SHEET NO.

RW46

Location and Surveys

GEL SOLUTIONS

PROJECT SURVEYOR

NORTH CAROLINA  
ENGINEERING  
OF NC, INC.  
NO. C-1938  
STATE OF NORTH CAROLINA  
OFFICE OF AUTHORIZATION

SEAL  
L-3996  
PARKS H. ICENHOUR, JR.  
PROFESSIONAL  
LAND SURVEYOR

I, PARKS H. ICENHOUR, JR., a Professional Land Surveyor in the state of North Carolina hereby certify to the best of my knowledge and belief that the following work (Items) (Base map, Compilation, R/W Staking) performed under my responsible charge meet NCDOT Survey Standards as directed in the NCDOT Location & Surveys guidelines and procedures.

I further 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.

I further certify that the right of way and permanent easement points shown herein and outlined in the tables shown hereon (localized coordinates, station/offsets) have been checked, and are accurate representations of the right of way and permanent easement points depicted on the corresponding highway plans. I also certify that the right of way and permanent easement points shown herein have been field monumented under my supervision from existing survey control provided by others that the depicted property data shown herein were surveyed by others; and these monuments denote the right of way and easement boundaries at the time of staking which may be subject to change due to right of way revisions (See deeds for final determination).

Witness my original signature, registration number and seal this 31st day of March, 2020.

Professional Land Surveyor

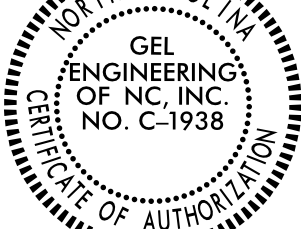
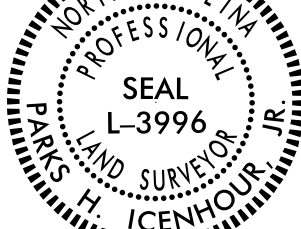
L-3996  
PLS

Seal



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 FEBRUARY 10TH, 2020 TO MARCH 20TH, 2020.

|                                                                                     |                                                                                     |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| PROJECT REFERENCE NO.                                                               | SHEET NO.                                                                           |
| I-5986B                                                                             | RW47                                                                                |
| Location and Surveys                                                                |                                                                                     |
|  |                                                                                     |
| PROJECT SURVEYOR                                                                    |                                                                                     |
|  |  |

I, PARKS H ICENHOUR JR, a professional Land Surveyor in the state of North Carolina hereby certify to the best of my knowledge and belief that the following work item(s) (Base map Compilation, R/W Staking) performed under my responsible charge meet NCDOT Survey Standards as directed in the NCDOT Location & Surveys guidelines and procedures.

I further certify that the data compiled came from available surveys/mapping performed by me and others, and that I am not a NCDOT and do not certify to the accuracy or quality of the individual data sources.

I further certify that the right of way and permanent easement points shown herein and outlined in the tables shown hereon (localized coordinates, station/offset) have been checked and are correct. I also certify that the right of way and permanent easement points shown on the corresponding highway plans, also certify that the right of way and permanent easement points shown herein have been field monumented under my supervision from existing monuments and/or other reliable sources. I also certify that the right of way and permanent easement points shown herein may be subject to change due to right of way revisions (See deeds for final determination).

Witness my original signature, registration number and seal this 31st day of March, 2020.

Professional Land Surveyor

L-3996  
PLS ■

Sec

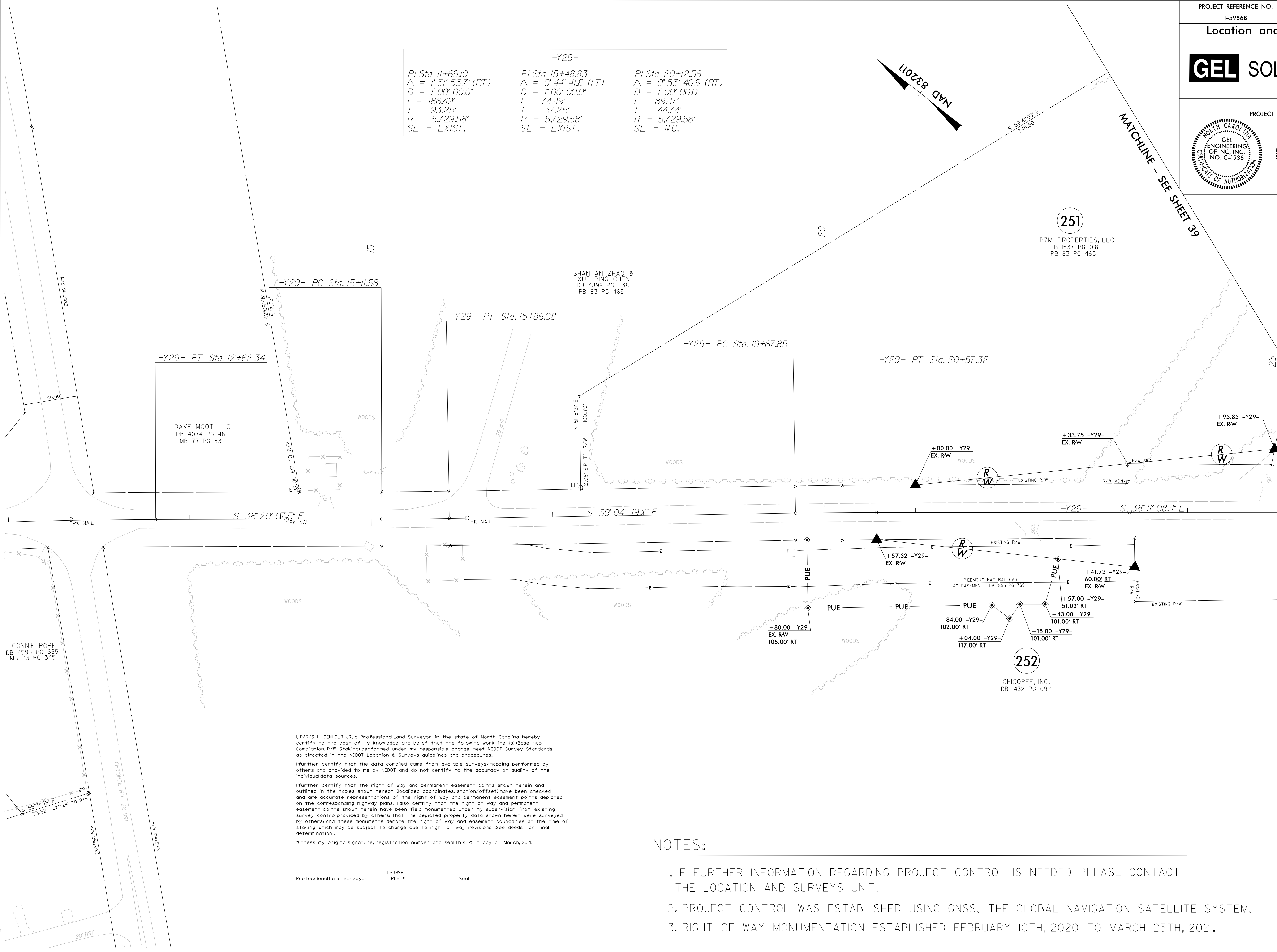


REVISIONS

MARCH 2022 NEW PUE PARCEL 252 +57.00 -Y29- 51.03' RT - +43.00 -Y29- 101' RT - +15.00 -Y29- 101' RT - +04.00 -Y29- 117' RT - +84.00 -Y29- 102' RT - +80.00 -Y29- EX. R/W- 105' RT

25-MAR-2021 16:02  
C:\projects\15986\control sheets\update march 2021\1-5986-REV-row sheets\1-5986B.ls-rw66.dgn  
George Hart

6/2/99



| -Y29-                                                                                                                     |                                                                                                                          |                                                                                                                        |
|---------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|
| PI Sta 11+69.10<br>Δ = 1° 51' 53.7" (RT)<br>D = 1° 00' 00.0"<br>L = 186.49'<br>T = 93.25'<br>R = 5,729.58'<br>SE = EXIST. | PI Sta 15+48.83<br>Δ = 0° 44' 41.8" (LT)<br>D = 1° 00' 00.0"<br>L = 74.49'<br>T = 37.25'<br>R = 5,729.58'<br>SE = EXIST. | PI Sta 20+12.58<br>Δ = 0° 53' 40.9" (RT)<br>D = 1° 00' 00.0"<br>L = 89.47'<br>T = 44.74'<br>R = 5,729.58'<br>SE = N.C. |

I, PARKS H. ICENHOUR, JR., a Professional Land Surveyor in the state of North Carolina hereby certify to the best of my knowledge and belief that the following work item(s) (Base map, Compilation, R/W Staking) performed under my responsible charge meet NCDOT Survey Standards as directed in the NCDOT Location & Surveys guidelines and procedures.

I further 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.

I further certify that the right of way and permanent easement points shown herein and outlined in the tables shown hereon (localized coordinates, station/offset) have been checked and are accurate representations of the right of way and permanent easement points depicted on the corresponding highway plans. I also certify that the right of way and permanent easement points shown herein have been field monumented under my supervision from existing survey control provided by others; that the depicted property data shown herein were surveyed by others; and these monuments denote the right of way and easement boundaries at the time of staking which may be subject to change due to right of way revisions (See deeds for final determination).

Witness my original signature, registration number and seal this 25th day of March, 2021.

Professional Land Surveyor L-3996 PLS Seal

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 FEBRUARY 10TH, 2020 TO MARCH 25TH, 2021.

PROJECT REFERENCE NO.  
I-5986B

SHEET NO.  
RW66

Location and Surveys

GEL SOLUTIONS

PROJECT SURVEYOR

NORTH CAROLINA  
ENGINEERING  
OF NC, INC.  
NO. C-1938  
OFFICE OF AUTHORIZATION

NORTH CAROLINA  
PROFESSIONAL  
LAND SURVEYOR  
SEAL  
L-3996  
PARKS H. ICENHOUR, JR.

MATCH TO -Y29- POT STA. 25+00.00 - SEE SHEET 38

MATCHLINE - SEE SHEET 39

251  
P7M PROPERTIES, LLC  
DB 1537 PG 018  
PB 83 PG 465

252  
CHICOPEE, INC.  
DB 1432 PG 692



Witness my original signature, registration number and seal this 31st day of March, 2020

L-3996  
PLS

CHARLES BYRD  
DB 996 PG 152

30-MAR-2020 16:17  
C:\projects\59861-Row\controlsheets\5986B-5878-5883 Final Plans\Roadway\Proj\I-5986B\_Is\_rw67.dgn  
George Hart  
AT GEORGE





REVISIONS  
REVISIONS

I, PARKS H ICENHOUR JR, a Professional Land Surveyor in the state of North Carolina hereby certify to the best of my knowledge and belief that the following work items (Base map, Compilation, R/W Staking) performed under my responsible charge meet NCDOT Survey Standards as directed in the NCDOT Location & Surveys guidelines and procedures.

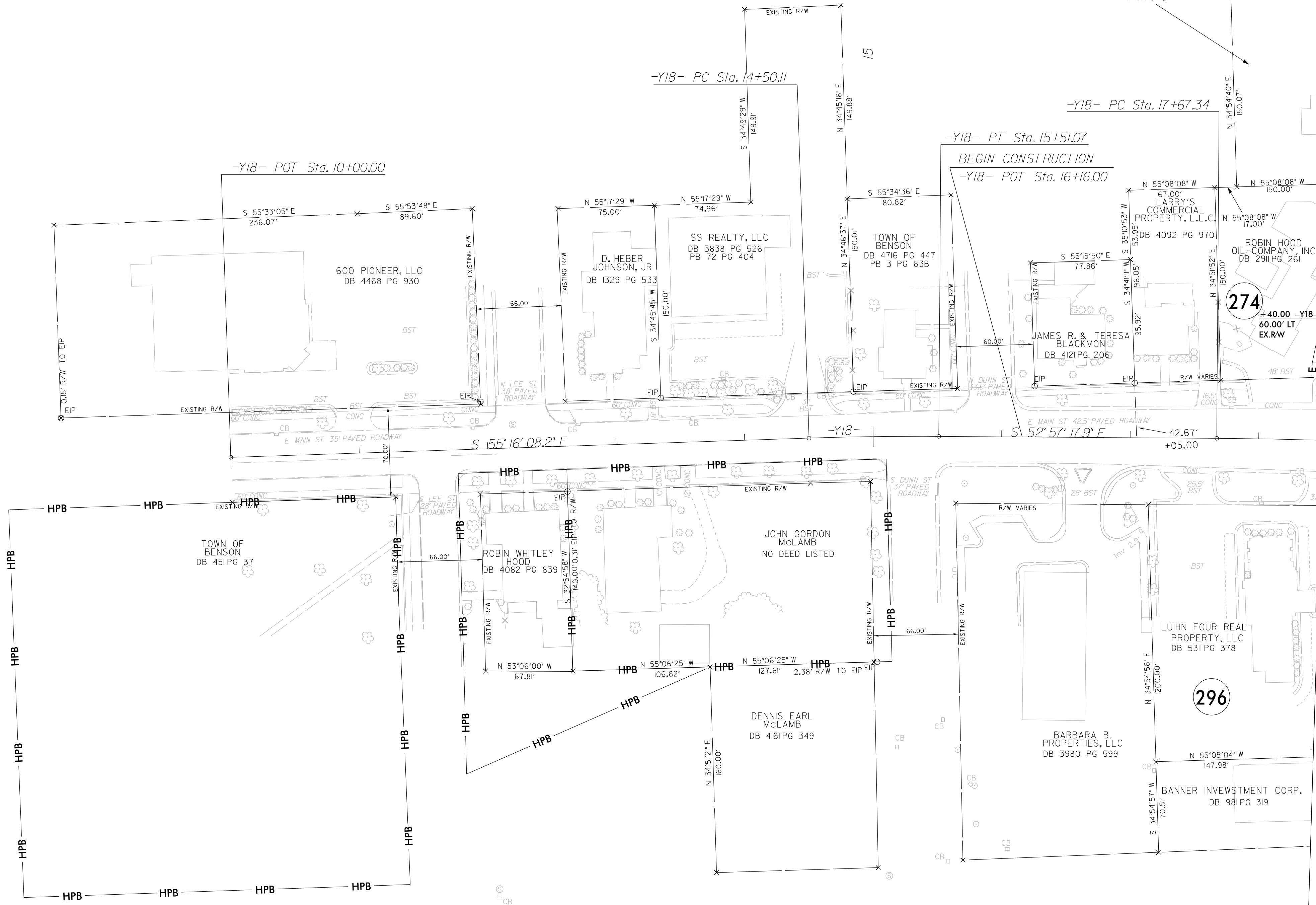
I further certify that the data compiled came from available surveys/mapping performed by others and provided to me by NCDOT and do not certify to the accuracy or quality of the individual data sources.

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Witness my original signature, registration number and seal this 31st day of March, 2020.

Professional Land Surveyor  
L-3996  
PLS \*  
Seal

| -Y18-                                                                                                                   |                                                                                                                         |
|-------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| PI Sta 15+00.59<br>Δ = 2°18' 50.3" (RT)<br>D = 2°17' 30.6"<br>L = 100.97'<br>T = 50.49'<br>R = 2,500.00'<br>SE = EXIST. | PI Sta 18+37.03<br>Δ = 2°16' 52.5" (RT)<br>D = 1°38' 13.3"<br>L = 139.35'<br>T = 69.69'<br>R = 3,500.00'<br>SE = EXIST. |



MATCH TO -Y18- POC STA. 18+50.00 - SEE SHEET 42

NOTES:

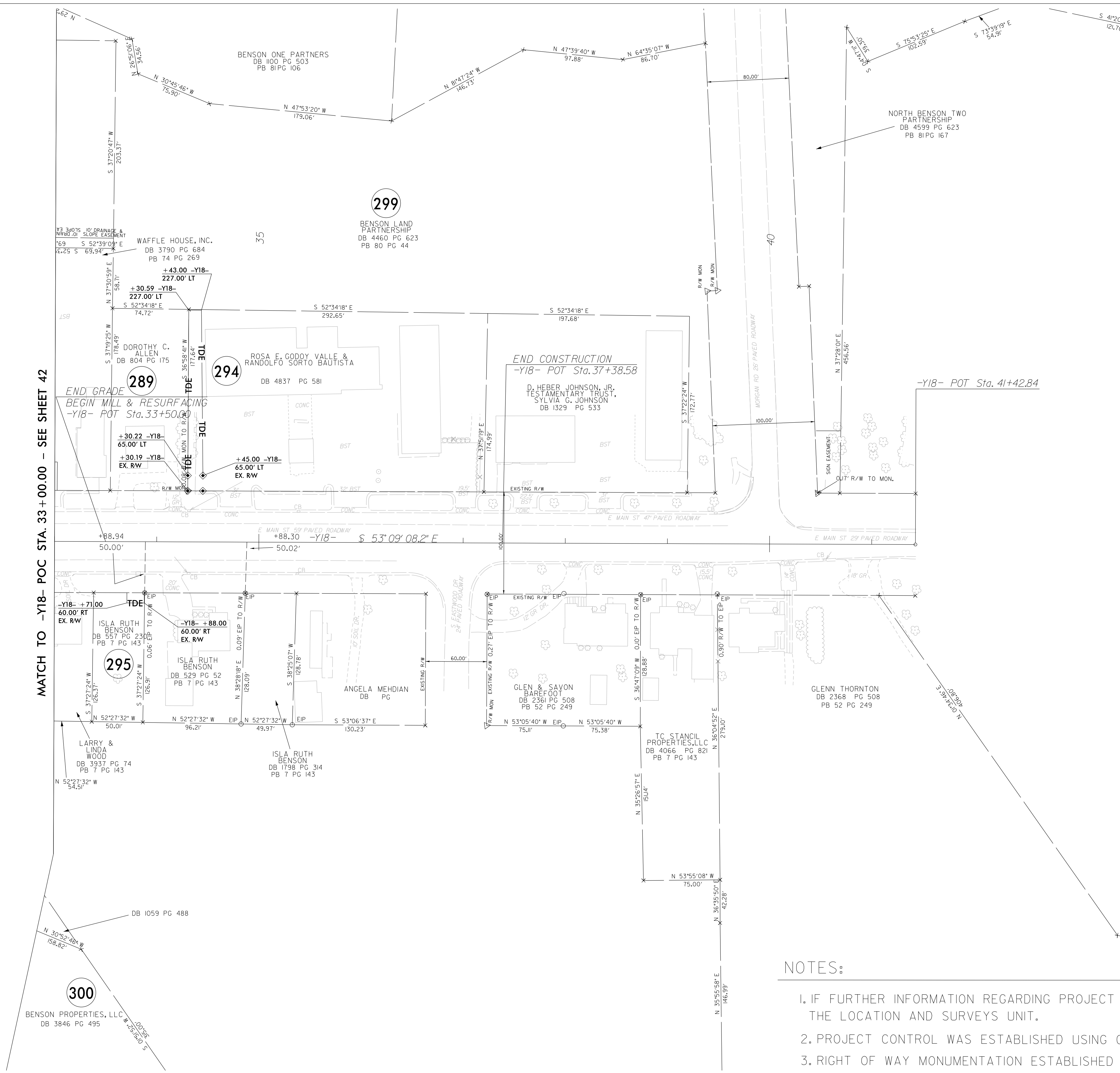
1. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
3. RIGHT OF WAY MONUMENTATION ESTABLISHED FEBRUARY 10TH, 2020 TO MARCH 20TH, 2020.

|                       |           |
|-----------------------|-----------|
| PROJECT REFERENCE NO. | SHEET NO. |
| I-5986B               | RW68      |
| Location and Surveys  |           |
| <b>GEL SOLUTIONS</b>  |           |
| PROJECT SURVEYOR      |           |
|                       |           |



REVISIONS

REVISIONS



PROJECT REFERENCE NO.

L-5986B

SHEET NO.

RW69

Location and Surveys

GEL SOLUTIONS

PROJECT SURVEYOR

NORTH CAROLINA  
GEL  
ENGINEERING  
OF NC, INC.  
NO. C-1938  
OFFICE OF AUTHORIZATION

NORTH CAROLINA  
PROFESSIONAL  
SEAL  
L-3996  
PARKS H. ICENHOUR JR.  
LAND SURVEYOR

I, PARKS H. ICENHOUR JR., a Professional Land Surveyor in the state of North Carolina hereby certify to the best of my knowledge and belief that the following work items (Base map compilation, R/W Staking) performed under my responsible charge meet NCDOT Survey Standards as directed in the NCDOT Location & Surveys guidelines and procedures.

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Witness my original signature, registration number and seal this 31st day of March, 2020.

Professional Land Surveyor

L-3996  
PLS \*

Seal

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 FEBRUARY 10TH, 2020 TO MARCH 20TH, 2020.