

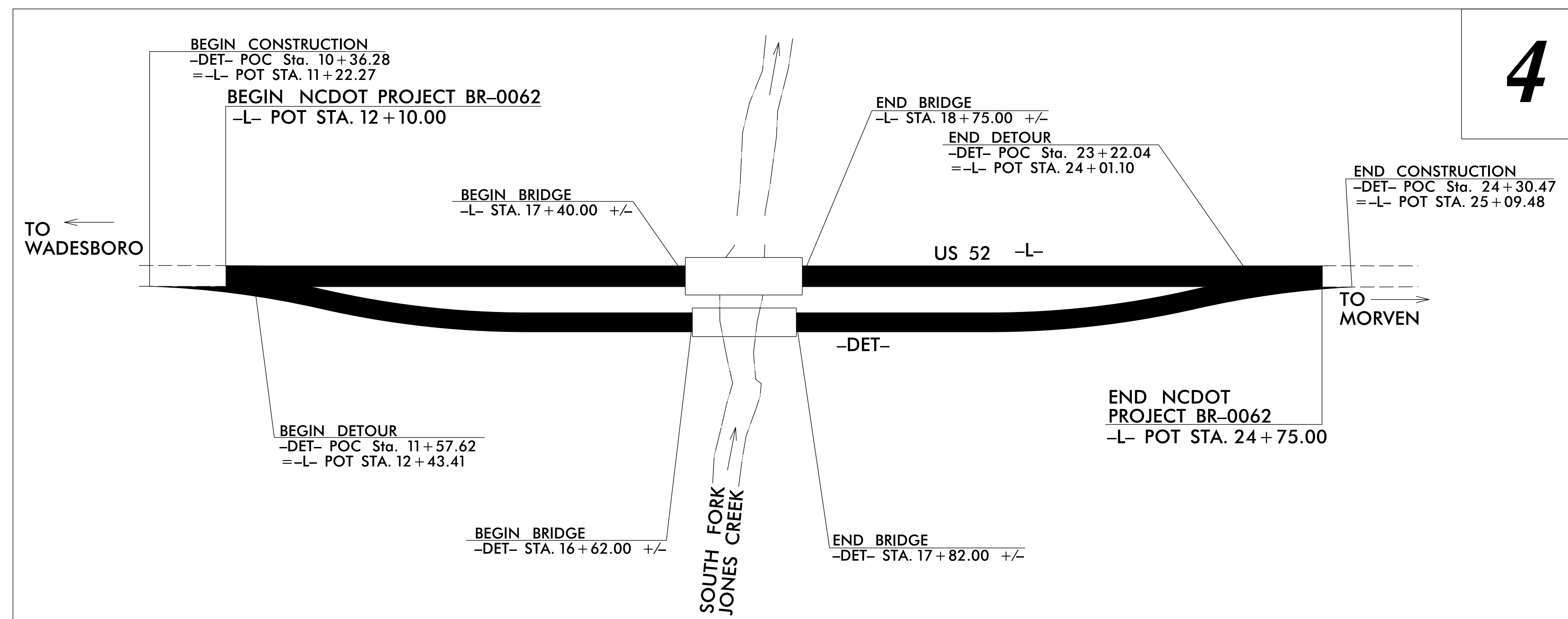
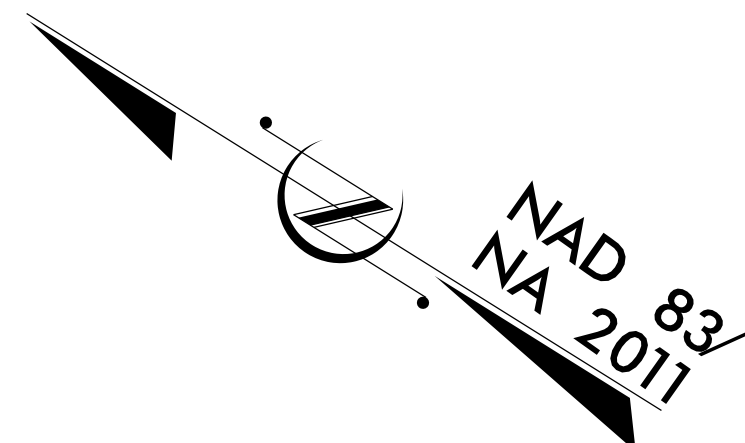
TIP PROJECT: BR0062

| STATE | STATE PROJECT REFERENCE NO. | SHEET NO. | TOTAL SHEETS |
|-------|-----------------------------|-----------|--------------|
| N.C. | BR0062 | RW01 | 7 |

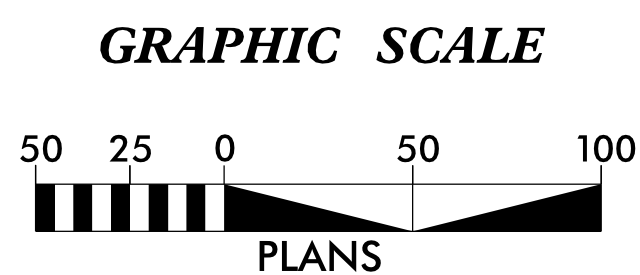
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

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

ANSON COUNTY



21-MAR-2024 13:38
C:\Users\NLSL6729784\Desktop\Projects\BR0062\BR0062.ls_rw01.dgn
USL6729784 AT 42HYHW3



DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCDOT FOR MONUMENT BR0062-2 WITH NAD 83/NA 2011 STATE PLANE GRID COORDINATES OF NORTHING: 414166.8101(ft) EASTING: 1696589.7379(ft) ELEVATION: 346.753(ft) THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 1.0001355736 THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM BR0062-2 TO -L- STATION 25+86.05 IS N 31°28'28" W 2414.46(ft) ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES VERTICAL DATUM USED IS NAVD 88

Prepared in the Office of:



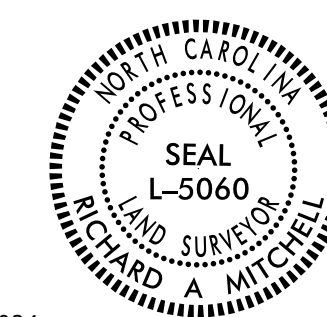
WSP USA Inc.
128 TALBERT ROAD
SUITE A
MOORESVILLE, NC 28117
TEL: 704.662.0100
WWW.WSP.COM

2018 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:
1/20/2023

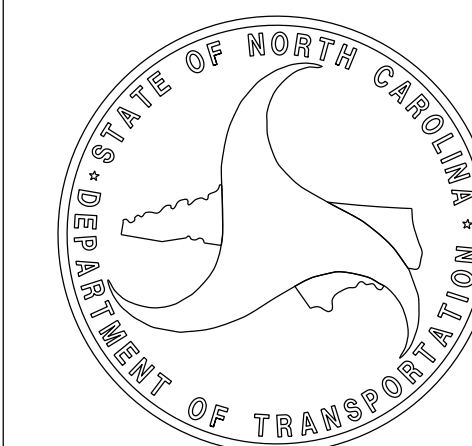
LETTING DATE:
6/18/2024

PROFESSIONAL LAND SURVEYOR




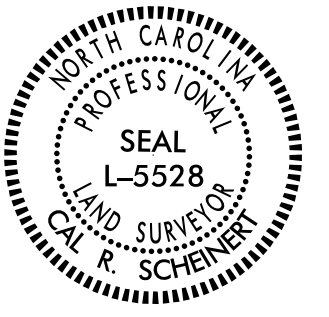
DocuSigned by:
Richard Mitchell
EB0F314AD72CA29

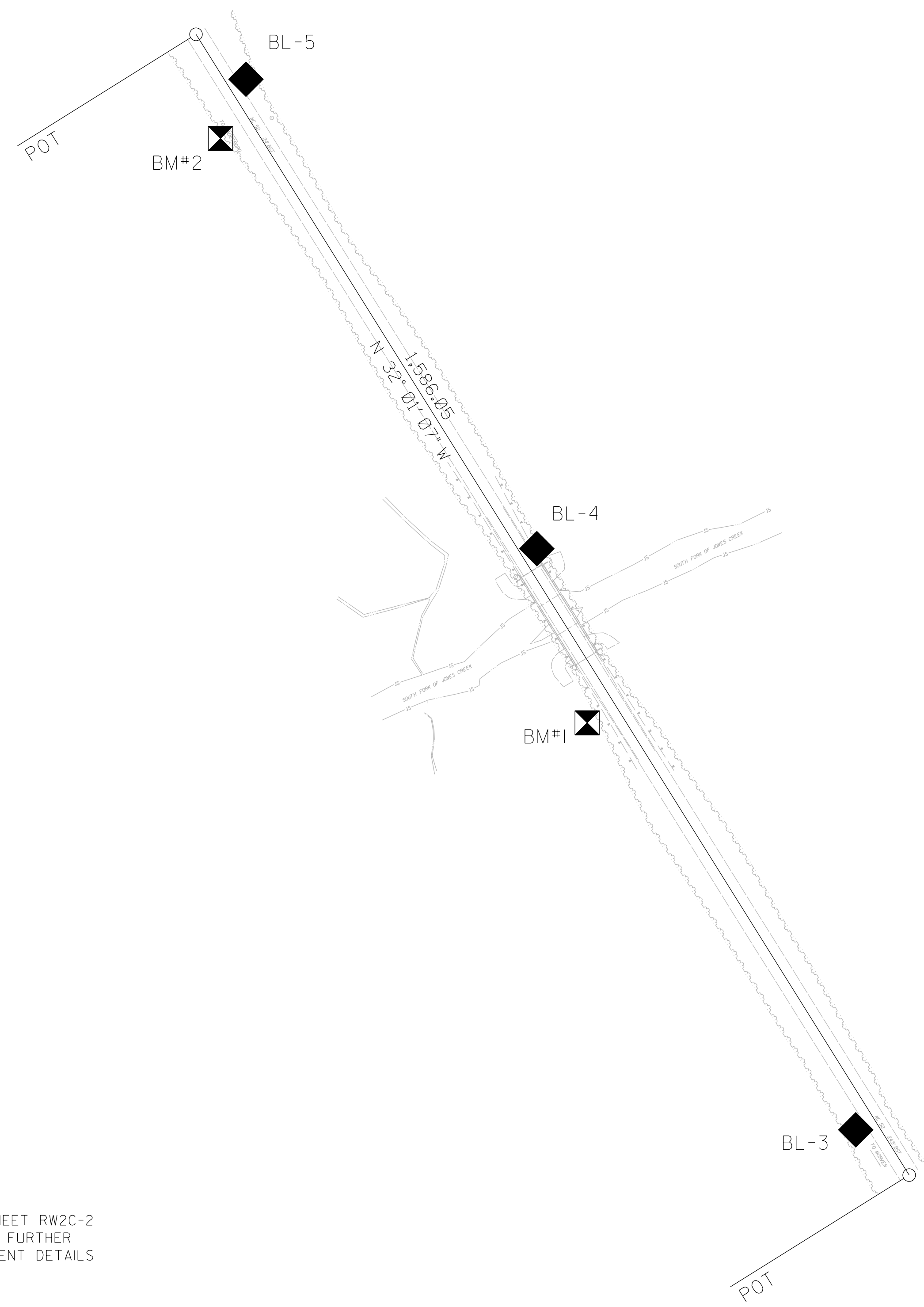
3/21/2024
Date:



SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

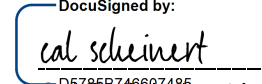
| | |
|--|----------------------|
| PROJECT REFERENCE NO. BR0062 | SHEET NO. RW02C-1 |
| Location and Surveys | |
|  | |
| <small>WSP USA Inc. 128 TALBERT ROAD SUITE A MOORESVILLE, NC 28117 TEL: 704.662.0100 WWW.WSP.COM</small> | |
| PROJECT SURVEYOR | |
|  | |
| DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED | |



I, Cal R. Scheinert, 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: RTN
 Dates of survey: 7/12/23 - 7/13/23
 Datum/Epoch: 2023.199
 Published/Fixed-control use: N/A
 Localized around: BR0062-2
 Northing: 414166.8101
 Easting: 1696589.7379
 Combined grid factor: 1.0001355736
 Geoid model: 18
 Units: US Survey Feet

This 19th day of July, 2023.

DocuSigned by:

 Cal R. Scheinert L-5528

SEE SHEET RW2C-2
 FOR FURTHER
 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.

REVISIONS


I8: JUL-2023 15:47
 C:\Users\jussv709137\Desktop\Projects\NCDDOT\BPI\0R-RW\BR0062\BR0062-1.s_rw02c-1.dgn
 AT 7:57:53 AM

REVISIONS

I:\JUL-2023\4406
C:\User\USV709137\DeskTop\Projects\NCDOT\BP10R-RW\BR0062\BR0062-1s-rw02c-2.dgn
AT 7FME5M3
USSV709137

SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

| | |
|--|-----------|
| PROJECT REFERENCE NO. | SHEET NO. |
| BR0062 | RW02C-2 |
| Location and Surveys | |
|  | |
| <small>WSP USA Inc. 128 TALBERT ROAD SUITE A MOORESVILLE, NC 28117 TEL: 704.662.0100 WWW.WSP.COM</small> | |

| BL | POINT | DESC. | NORTH | EAST | ELEVATION |
|----|-------|----------|-------------|--------------|-----------|
| 1 | | BR0062-1 | 413392.3710 | 1697076.1720 | 353.05 |
| 2 | | BR0062-2 | 414166.8100 | 1696589.7380 | 346.75 |
| 3 | | BL-3 | 416279.3150 | 1695266.0080 | 263.09 |
| 4 | | BL-4 | 416964.4170 | 1694889.9800 | 245.68 |
| 5 | | BL-5 | 417517.7840 | 1694546.9430 | 253.64 |

 BM1 ELEVATION = 240.46
 N 416759 E 1694949
 BL STATION 44+80.00 47 LEFT

 BM2 ELEVATION = 258.91
 N 417448 E 1694517
 BL STATION 52+97.00 62 LEFT

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.

REVISIONS

I:\JUL-2023\4415
C:\user\jussv709137\Desk top\Project\NCDDT\BPI10R-RW\BR0062\BR0062.1s-rw02c-3.dgn
AT 7FME5M3
USSV709137

SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

| | |
|---|--|
| PROJECT REFERENCE NO. | SHEET NO. |
| BR0062 | RW02C-3 |
| Location and Surveys | |
|  | WSP USA Inc. 128 TALBERT ROAD SUITE A MOORESVILLE, NC 28117 TEL: 704.662.0100 WWW.WSP.COM |


| EL | N | E | BEARING | DIST |
|------|------------|-------------|-----------------|---------|
| POT | 416226.034 | 1695329.107 | | |
| LINE | | | N 32°01'07.2" W | 1586.05 |
| POT | 417570.809 | 1694488.188 | | |

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.

REVISIONS

PROPOSED ALIGNMENT CONTROL SHEET


| | |
|--|----------------------|
| PROJECT REFERENCE NO. BR0062 | SHEET NO. RW02D-1 |
| Location and Surveys | |
|  | |
| <small>WSP USA Inc. 128 TALBERT ROAD SUITE A MOORESVILLE, NC 28117 TEL: 704.662.0100 WWW.WSP.COM</small> | |

| TYPE | STATION | L | |
|------|----------|-------------|--------------|
| | | NORTH | EAST |
| POT | 10+00.00 | 417570.8090 | 1694488.1884 |
| POT | 17+93.03 | 416898.4215 | 1694908.6475 |
| POT | 25+86.05 | 416226.0340 | 1695329.1066 |

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.

RIGHT OF WAY CONTROL SHEET

| | |
|--|-----------|
| PROJECT REFERENCE NO. | SHEET NO. |
| BR0062 | RW02E-1 |
| Location and Surveys | |
|  | |
| <small>WSP USA Inc. 128 TALBERT ROAD SUITE A MOORESVILLE, NC 28117 TEL: 704.662.0100 WWW.WSP.COM</small> | |

REVISIONS

ROW MARKER IRON PIN AND CAP

| ALIGN | STATION | OFFSET | NORTH | EAST |
|-------|----------|--------|-------------|--------------|
| L | 12+10.00 | 50.00 | 417366.2454 | 1694557.1357 |
| L | 13+65.00 | 107.00 | 417204.6036 | 1694590.9871 |
| L | 14+00.00 | 70.00 | 417194.5452 | 1694640.9154 |
| L | 20+50.00 | 70.00 | 416643.4262 | 1694985.5425 |
| L | 20+50.00 | 50.00 | 416654.0301 | 1695002.5000 |
| L | 21+00.00 | -50.00 | 416664.6559 | 1695113.7973 |
| L | 21+00.00 | -80.00 | 416680.5618 | 1695139.2336 |
| L | 16+75.00 | -80.00 | 417040.9088 | 1694913.9005 |
| L | 14+00.00 | -67.00 | 417267.1820 | 1694757.0743 |
| L | 13+50.00 | -60.00 | 417305.8643 | 1694724.6294 |
| L | 12+10.00 | -60.00 | 417424.5669 | 1694650.4020 |
| L | 12+10.00 | -50.00 | 417419.2650 | 1694641.9232 |

I, Cal R. Scheinert, PLS, 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.

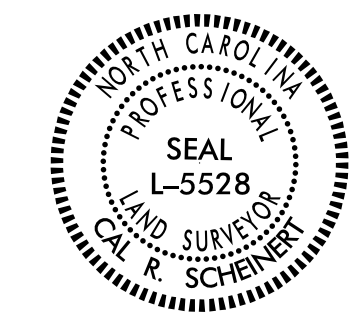
I further certify that the right of way and permanent easement points shown herein and outlined in the tables shown hereon (localized coordinates, station/offset) have been checked and are accurate representations of the right of way and permanent easement points depicted on the corresponding highway 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 19th day of July, 2023.

DocuSigned by:

057858749007485
Professional Land Surveyor

L-5528
PLS # Seal




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.

18-JUL-2023 15:54
 C:\Users\calr\OneDrive\Projects\NCDOT\BPI\BR_RW\BR0062\BR0062_1s_rw02e-1.dgn
 AT 7:15 PM '23

8/17/2023 15:57:09

18-JUL-2023 15:57:09
C:\Users\jls5770\OneDrive\Projects\NCDOT\BPI\DR_R\BR0062\BR0062_1.s_rw04.dgn
US57703137 AT 7:57:09 PM

| | |
|---|--|
| PROJECT REFERENCE NO. | SHEET NO. |
| BR0062 | RW04 |
| Location and Surveys | |
|  | WSP USA Inc. 128 TALBERT ROAD SUITE A MOORESVILLE, NC 28117 TEL: 704.662.0100 WWW.WSP.COM |

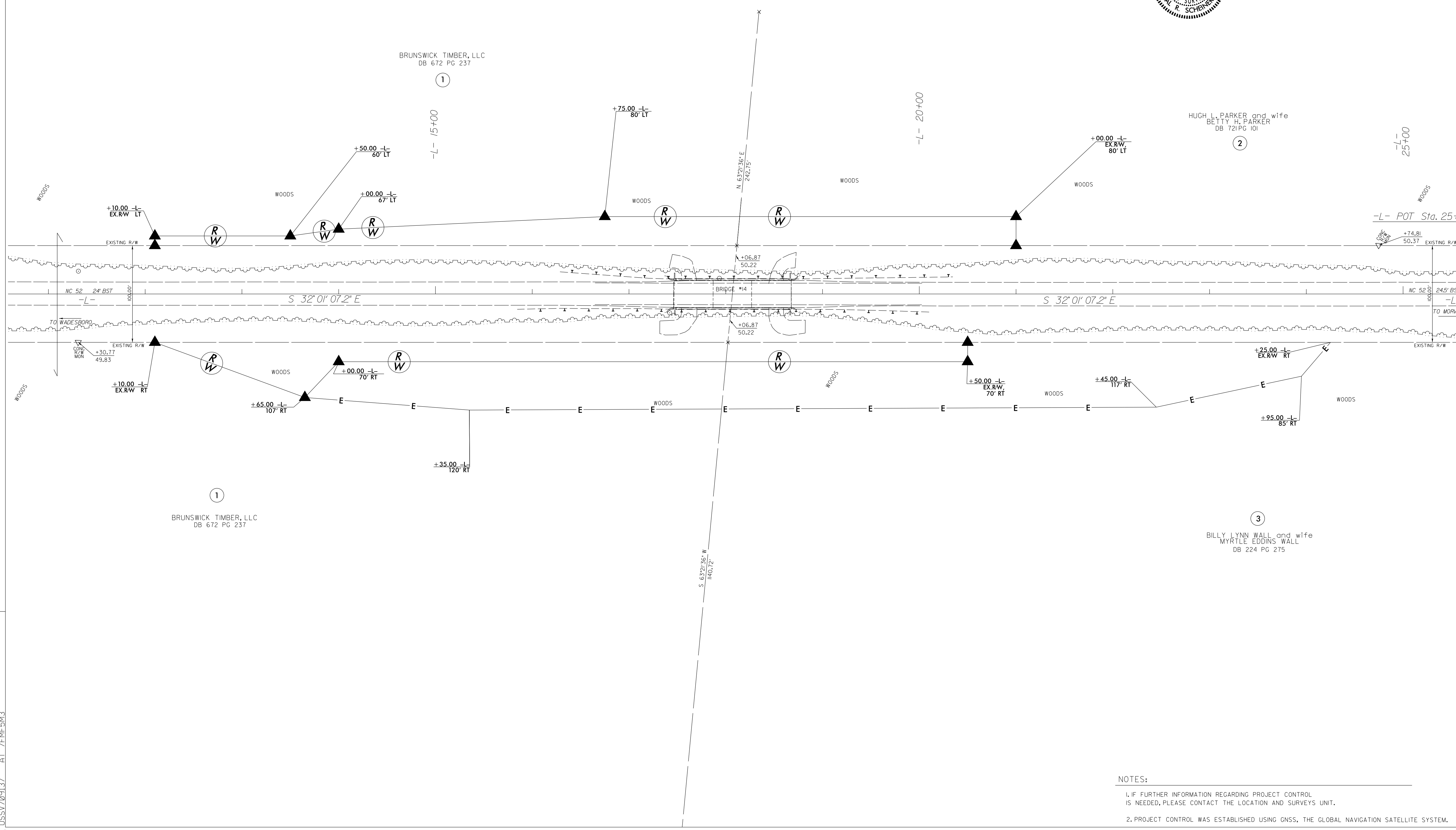
I, Cal R. Scheinert, PLS, a Professional Land Surveyor in the state of North Carolina hereby certify to the best of my knowledge and belief that the following work items (R/W Staking) performed under my responsible charge meet NCDOT Survey Standards as directed in the NCDOT Location & Surveys guidelines 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 19th day of July, 2023.



DocuSigned by:
Cal Scheinert
057869146607465
Professional Land Surveyor L-5528
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.