

I:\6\2024  
C:\Users\Matt Thigpen\OneDrive\Projects\1020085\_HI-0018\Traffic\Signing\CADD\2018\_PEF\_Engseed\_06-21-21.dgn  
User:Matt Thigpen

T.I.P.: HI-0018

STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

SIGNING PLAN

LOCATION: US 74 (FUTURE I-74) FROM EAST OF US 701 BUSINESS TO WEST OF NC 214

ROADWAY STANDARD DRAWING

THE FOLLOWING ROADWAY STANDARDS AS APPEAR IN "ROADWAY STANDARD DRAWINGS" - PROJECT SERVICES UNIT - N.C. DEPARTMENT OF TRANSPORTATION - RALEIGH, N.C., DATED JANUARY 2024 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

| STD. NO. | TITLE                                                        |
|----------|--------------------------------------------------------------|
| 901.10   | TYPE 'A' SIGNS                                               |
| 901.20   | TYPE 'B' SIGNS                                               |
| 901.50   | ARROWS AND SHIELDS                                           |
| 901.70   | SIGN STRINGERS AND SUPPORT SPACING                           |
| 901.80   | SIGN MOUNTING DETAILS - FOR TYPE A AND TYPE B SIGNS          |
| 902.10   | FOUNDATIONS FOR GROUND MOUNTED SIGNS                         |
| 903.10   | GROUND MOUNTED SIGN SUPPORTS                                 |
| 904.10   | ORIENTATION OF GROUND MOUNTED SIGNS                          |
| 904.20   | SECONDARY SIGN MOUNTING                                      |
| 904.40   | MILEPOST AND PLACEMENT                                       |
| 904.50   | MOUNTING OF TYPE 'D', 'E' AND 'F' SIGNS ON 'U' CHANNEL POSTS |

SUMMARY OF QUANTITIES

| ITEM NO.   |           | ITEM DESCRIPTION                       | QUANTITY | UNIT |
|------------|-----------|----------------------------------------|----------|------|
| DESC. NO.  | SECT. NO. |                                        |          |      |
| 4048000000 | 902       | REINFORCED CONCRETE SIGN FOUNDATION    | 5.00     | C.Y. |
| 4054000000 | 902       | PLAIN CONCRETE SIGN FOUNDATION         | 1.00     | C.Y. |
| 4060000000 | 903       | SUPPORTS, BREAKAWAY STEEL BEAM         | 5,844    | LB.  |
| 4072000000 | 903       | SUPPORTS, 3 LB STEEL U-CHANNEL         | 530      | L.F. |
| 4078000000 | 903       | SUPPORTS, 2 LB STEEL U-CHANNEL         | 5        | EA.  |
| 4096000000 | 904       | SIGN ERECTION, TYPE D                  | 6        | EA.  |
| 4102000000 | 904       | SIGN ERECTION, TYPE E                  | 17       | EA.  |
| 4110000000 | 904       | SIGN ERECTION, TYPE A (GROUND MOUNTED) | 10       | EA.  |
| 4110000000 | 904       | SIGN ERECTION, TYPE B (GROUND MOUNTED) | 3        | EA.  |
| 4114000000 | 904       | SIGN ERECTION, MILEMARKERS             | 5        | EA.  |
| 4152000000 | 907       | DISPOSAL OF SIGN SYSTEM, STEEL BEAM    | 10       | EA.  |
| 4155000000 | 907       | DISPOSAL OF SIGN SYSTEM, U-CHANNEL     | 19       | EA.  |

GENERAL NOTES

- . SIGNS FURNISHED BY STATE
- . CONFIRM IN WRITING AT LEAST 4 MONTHS IN ADVANCE, THE ACTUAL DATE THE DEPARTMENT FURNISHED SIGNS WILL BE REQUIRED.
- . ALL TYPE 'D' SIGNS SHALL BE MOUNTED ON TWO U-CHANNEL POSTS UNLESS OTHERWISE INDICATED ON THE PLANS.
- . WHEN NOT STATIONED OR DIMENSIONED ON PLANS, ALL 'E' AND 'F' SIGNS SHALL BE FIELD LOCATED BY THE ENGINEER
- . WHEN EXISTING SIGNS ARE REMOVED AND INSTALLED ON NEW SUPPORTS, THE RE-ERECTION SHALL IMMEDIATELY FOLLOW THE REMOVAL.
- . THE BACKGROUND FOR TYPE E & F SIGNS SHALL BE TYPE C REFLECTIVE SHEETING.
- . DO NOT BEGIN FABRICATION FOR TYPES A & B SIGNS MOUNTED ON OVERHEAD STRUCTURES OR STEEL SUPPORTS UNTIL "S" DIMENSIONS HAVE BEEN FIELD VERIFIED.
- . SEE ROADWAY PLANS FOR GUARD/GUIDE RAIL DETAILS.
- . SIGNING PLANS DO NOT INCLUDE TEMPORARY CONSTRUCTION SIGNING, SEE TRAFFIC CONTROL PLANS.
- . ALL SIGNS SHOWN ARE EXISTING AND SHALL REMAIN UNLESS OTHERWISE SPECIFIED BY PLAN NOTES.

PAY ITEM NOTES

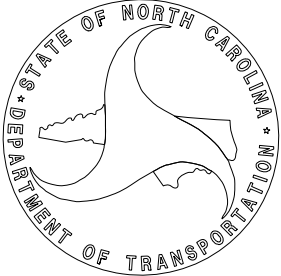
1. DISPOSAL OF SIGN SYSTEM, STEEL BEAM
2. DISPOSAL OF SIGN SYSTEM, U-CHANNEL
3. SIGN ERECTION, TYP A (GROUND MOUNTED)
4. SIGN ERECTION, TYPE B (GROUND MOUNTED)
5. SIGN ERECTION, TYPE D, E, AND F
6. SIGN ERECTION, MILEMARKERS

INDEX

| SHEET NO. | DESCRIPTION         |
|-----------|---------------------|
| SIGN-1    | TITLE SHEET         |
| SIGN-2    | SUPPORT INFORMATION |
| SIGN-3    | E SHEET             |
| SIGN-4-4C | SIGN DESIGNS        |
| SIGN-5-21 | SIGN DETAIL SHEETS  |

PLAN SUBMITTED TO:

|                 |                                                 |
|-----------------|-------------------------------------------------|
| Mitch Eaton, PE | Signing and Delineation Regional Engineer       |
| Stacey Johns    | Signing and Delineation Project Design Engineer |



PLAN PREPARED BY: Thigpen Engineering

A. Matthew Thigpen, PE President





TIP NO.  
HI-0018

SHEET NO.  
SIGN-2

APPROVED: 

DocuSigned by:  
Matthew Thigpen  
7202285FD315433

DATE: 1/8/2025

SEAL

DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED

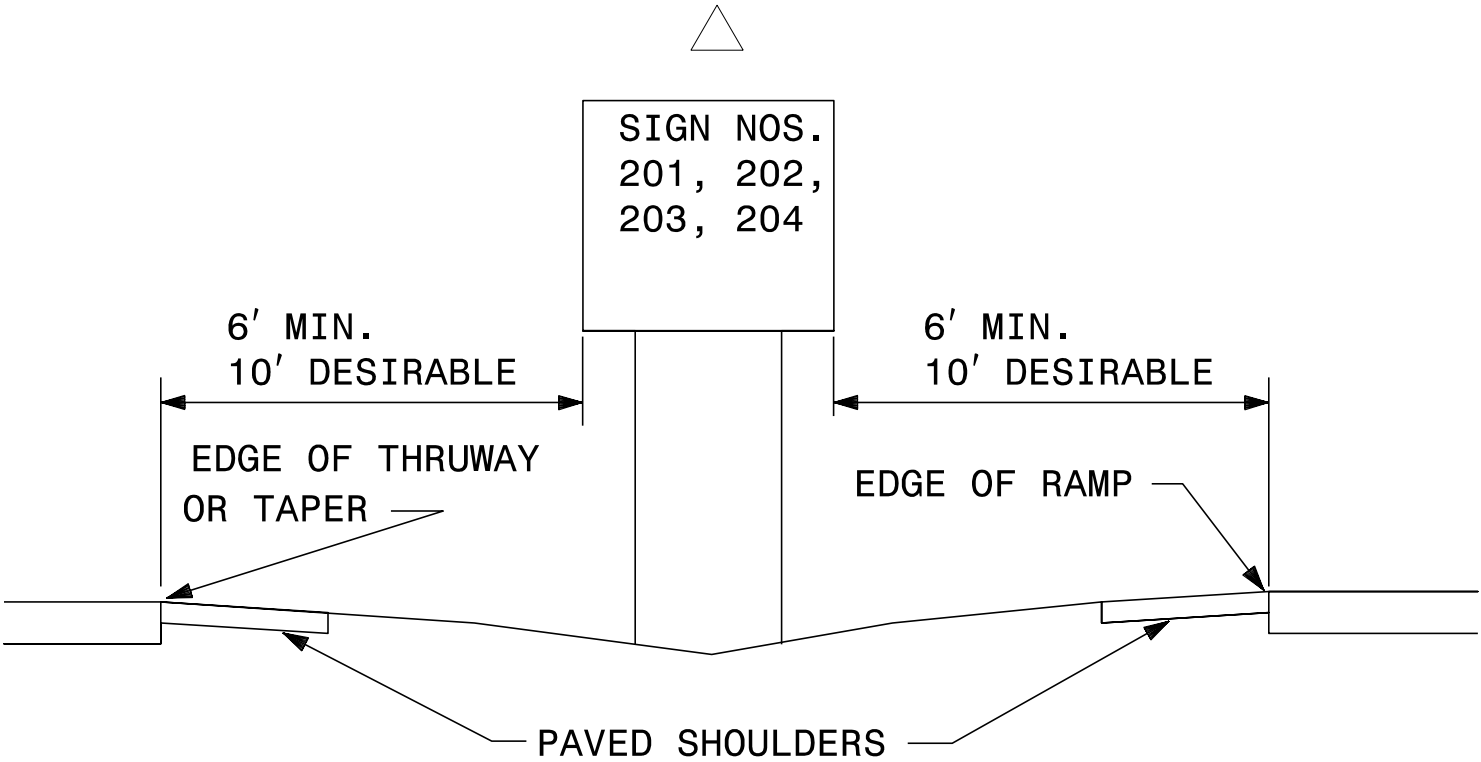
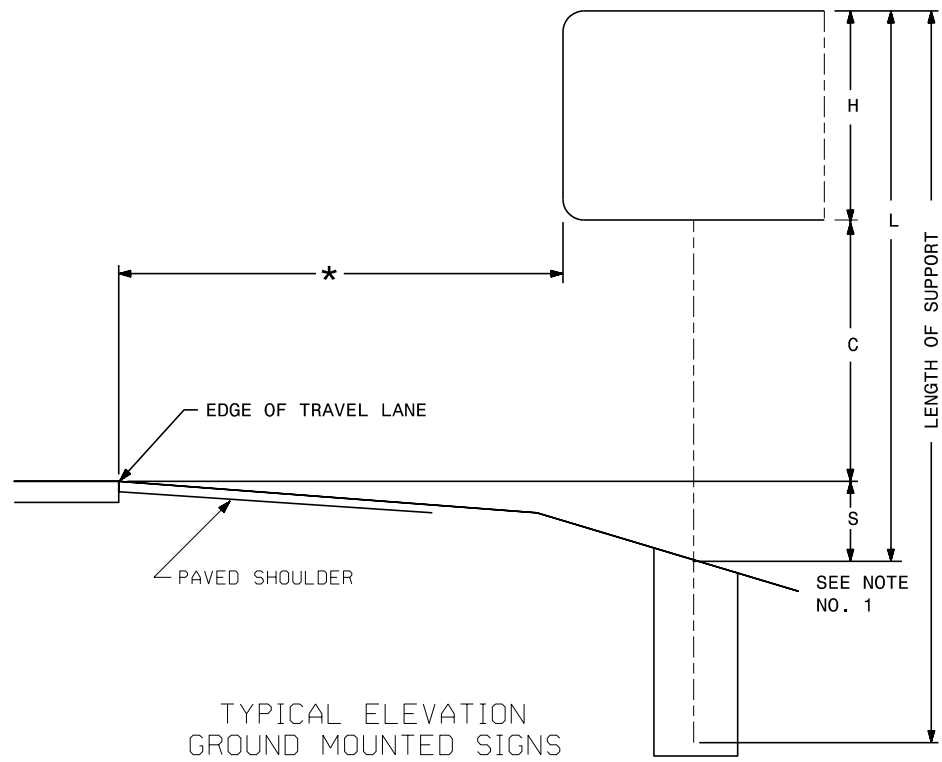
Version: 3.2      Posted: 7/5/2023

| SIGN         |        |            |        |           | ROADWAY<br>STATION | NUMBER<br>OF<br>SUPPORTS | BEAM<br>SECTION | SUPPORT<br>TYPE<br>BA or S | OMNI<br>COUPLER | ATTACHMENT<br>METHOD | MOUNTING<br>METHOD | HORIZONTAL<br>CLEARANCE*<br>(ft.) | SUPPORT<br>SPACING | LENGTH (ft) |        |                | LEFT SUPPORT (ft) |       |        | CENTER SUPPORT (ft) |       |        | RIGHT SUPPORT (ft) |       |        | SUPPORT WEIGHTS |                  | FOOTINGS          |                |                      |                 | FIELD<br>VERIFIED<br>SEE NOTE 2<br>(mm/dd/yy) |
|--------------|--------|------------|--------|-----------|--------------------|--------------------------|-----------------|----------------------------|-----------------|----------------------|--------------------|-----------------------------------|--------------------|-------------|--------|----------------|-------------------|-------|--------|---------------------|-------|--------|--------------------|-------|--------|-----------------|------------------|-------------------|----------------|----------------------|-----------------|-----------------------------------------------|
| NUMBER       | TYPE   | SIZE (in.) |        |           |                    |                          |                 |                            |                 |                      |                    |                                   |                    | SNS HT      | MTG HT | EMBED-<br>MENT | S                 | L     | LENGTH | S                   | L     | LENGTH | S                  | L     | LENGTH | B/A<br>(lbs.)   | SIMPLE<br>(lbs.) | DIAMETER<br>(ft.) | DEPTH<br>(ft.) | REINFORCED<br>(c.y.) | PLAIN<br>(c.y.) |                                               |
|              |        | w          | x      | h         |                    |                          |                 |                            |                 |                      |                    |                                   |                    |             |        |                |                   |       |        |                     |       |        |                    |       |        |                 |                  |                   |                |                      |                 |                                               |
| 101          | A      | 180        | x      | 120       | 85+80              | 2                        | W6x12           | BA                         | N/A             | N/A                  | N/A                | 48.00                             | 8.79               | 10.00       | 7.00   | 4.0            | 0.00              | 17.00 | 21.00  | 0.00                | 0.00  | 0.00   | 0.00               | 17.00 | 21.00  | 582.00          | 0                | 1.5               | 4.5            | 0.59                 | 0.00            | _____                                         |
| 102          | A      | 180        | x      | 120       | 94+00              | 2                        | W6x12           | BA                         | N/A             | N/A                  | N/A                | 30.00                             | 8.79               | 10.00       | 7.00   | 4.0            | 0.00              | 17.00 | 21.00  | 0.00                | 0.00  | 0.00   | 0.00               | 17.00 | 21.00  | 582.00          | 0                | 1.5               | 4.5            | 0.59                 | 0.00            | _____                                         |
| 103          | B      | 114        | x      | 36        | 106+00             | 2                        | S3x5.7          | BA                         | N/A             | N/A                  | N/A                | 30.00                             | 5.57               | 3.00        | 7.00   | 2.0            | 0.00              | 10.00 | 12.00  | 0.00                | 0.00  | 0.00   | 0.00               | 10.00 | 12.00  | 172.80          | 0                | 1.0               | 2.5            | 0.00                 | 0.15            | _____                                         |
| 104A<br>104B | A<br>B | 168<br>132 | x<br>x | 168<br>30 | 127+70             | 2                        | W8x18           | BA                         | N/A             | N/A<br>N/A           | N/A<br>II          | 30.00                             | 8.20               | 16.50       | 7.00   | 4.5            | 0.00              | 23.50 | 28.00  | 0.00                | 0.00  | 0.00   | 0.00               | 23.50 | 28.00  | 1148.00         | 0                | 2.0               | 5              | 1.16                 | 0.00            | _____                                         |
| 105A<br>105B | A<br>B | 222<br>132 | x<br>x | 144<br>30 | 228+50             | 3                        | W6x16           | BA                         | N/A             | N/A<br>N/A           | N/A<br>I           | 30.00                             | 6.57               | 14.50       | 7.00   | 4.5            | 0.00              | 21.50 | 26.00  | 0.00                | 21.50 | 26.00  | 0.00               | 21.50 | 26.00  | 1389.00         | 0                | 1.5               | 5              | 0.98                 | 0.00            | _____                                         |
| 106          | A      | 180        | x      | 120       | 236+50             | 2                        | W6x12           | BA                         | N/A             | N/A                  | N/A                | 0.00                              | 8.79               | 10.00       | 7.00   | 4.0            | 0.00              | 17.00 | 21.00  | 0.00                | 0.00  | 0.00   | 0.00               | 17.00 | 21.00  | 582.00          | 0                | 1.5               | 4.5            | 0.59                 | 0.00            | _____                                         |
| 107          | A      | 180        | x      | 120       | 247+60             | 2                        | W6x12           | BA                         | N/A             | N/A                  | N/A                | 0.00                              | 8.79               | 10.00       | 7.00   | 4.0            | 0.00              | 17.00 | 21.00  | 0.00                | 0.00  | 0.00   | 0.00               | 17.00 | 21.00  | 582.00          | 0                | 1.5               | 4.5            | 0.59                 | 0.00            | _____                                         |
| 201          | A      | 96         | x      | 60        | 222+00             | 2                        | S3x5.7          | BA                         | N/A             | N/A                  | N/A                | Δ                                 | 4.69               | 5.00        | 7.00   | 2.5            | 0.00              | 12.00 | 14.50  | 0.00                | 0.00  | 0.00   | 0.00               | 12.00 | 14.50  | 201.30          | 0                | 1.0               | 3              | 0.00                 | 0.17            | _____                                         |
| 202          | A      | 96         | x      | 60        | 386+00             | 2                        | S3x5.7          | BA                         | N/A             | N/A                  | N/A                | Δ                                 | 4.69               | 5.00        | 7.00   | 2.5            | 0.00              | 12.00 | 14.50  | 0.00                | 0.00  | 0.00   | 0.00               | 12.00 | 14.50  | 201.30          | 0                | 1.0               | 3              | 0.00                 | 0.17            | _____                                         |
| 203          | A      | 96         | x      | 60        | 413+50             | 2                        | S3x5.7          | BA                         | N/A             | N/A                  | N/A                | Δ                                 | 4.69               | 5.00        | 7.00   | 2.5            | 0.00              | 12.00 | 14.50  | 0.00                | 0.00  | 0.00   | 0.00               | 12.00 | 14.50  | 201.30          | 0                | 1.0               | 3              | 0.00                 | 0.17            | _____                                         |
| 204          | A      | 96         | x      | 60        | 966+00             | 2                        | S3x5.7          | BA                         | N/A             | N/A                  | N/A                | Δ                                 | 4.69               | 5.00        | 7.00   | 2.5            | 0.00              | 12.00 | 14.50  | 0.00                | 0.00  | 0.00   | 0.00               | 12.00 | 14.50  | 201.30          | 0                | 1.0               | 3              | 0.00                 | 0.17            | _____                                         |

|         |         |       |              |
|---------|---------|-------|--------------|
| TOTAL   | TOTAL   | TOTAL | TOTAL        |
| 5843.00 | 0.00    | 4.50  | 0.84         |
| USE:    | 5844.00 | 0.00  | 5.00    1.00 |

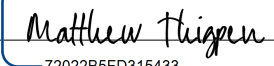
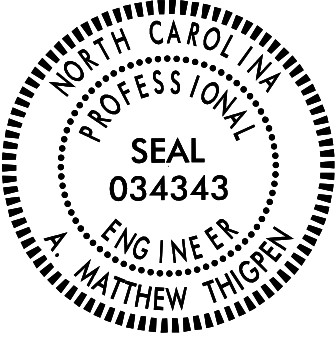
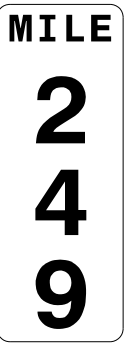
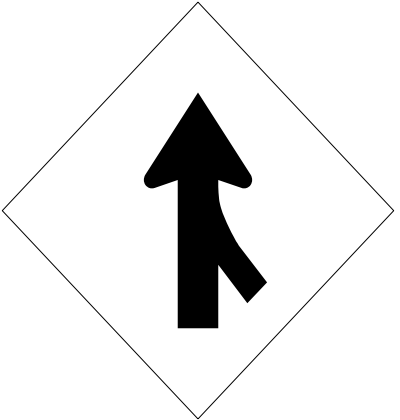
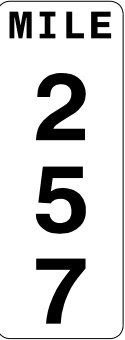
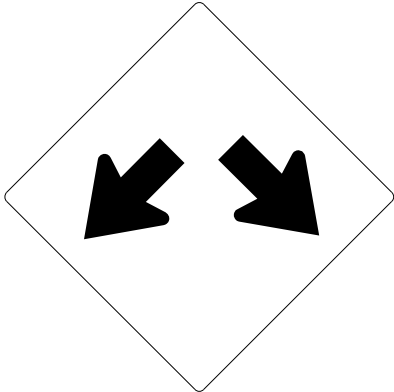
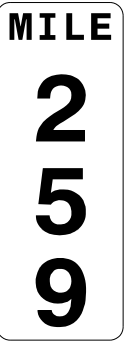
NOTES

1. DIMENSION "S" REPRESENTS AN INCREASE (+), OR A DECREASE (-) IN POLE LENGTH, RELATIVE TO THE ELEVATION OF THE EDGE OF TRAVEL LANE.
2. FIELD VERIFICATIONS SHALL BE REQUIRED FOR ALL SUPPORTS, SEE (\*) ARTICLE 903-3. FABRICATORS SHALL BE AISC CERTIFIED IN CATEGORY 1, SEE (\*) ARTICLE 1072-1. (\*) = N.C.D.O.T. STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES
3. PLAN LOCATIONS FOR EXISTING UTILITIES ARE BASED ON THE BEST AVAILABLE INFORMATION AND, THEREFORE MAY NOT BE PRECISELY ACCURATE. THEREFORE, IT IS INCUMBENT UPON THE CONTRACTOR TO DETERMINE THE EXACT LOCATION OF UTILITIES BEFORE BEGINNING WORK IN A LOCATION.



TYPE "A" AND TYPE "B"  
GROUND MOUNTED SIGNS



|                                                                                                                                                      |                                                                                                                                                                                                                         |                                                                                                                                                                                                                   |                                                                                                                                                                                                          |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 11/25/2024<br>C:\Users\Matt Thigpen\OneDrive\Projects\102085_HI-0018\HI-0018\Traffic\Signing\CADD\2018_PEF_Engseed_06-21-21.dgn<br>User:Matt Thigpen | <div><div>401</div><div>QUANTITY REQ'D . 4 _</div><div><div>36" X 36"<br/>W1-2R</div></div><div>ONE "U" POST PER SIGN</div></div>      | <div><div>406</div><div>QUANTITY REQ'D . 6 _</div><div><div>36" X 36"<br/>R5-1</div></div><div>ONE "U" POST PER SIGN</div></div> | <div><div>QUANTITY REQ'D . 1 _</div><div><div>12" X 48"<br/>D10-3</div></div><div>ONE "U" POST PER SIGN</div></div>   |  |  |  | <div><div>TIP NO.</div><div>HI-0018</div></div> <div><div>SHEET NO.</div><div>SIGN-3</div></div> <div><div>DocuSigned by:</div><div><br/>Matthew Thigpen<br/>7202295FD315433</div></div> <div><div>APPROVED:</div><div></div></div> <div><div>DATE:</div><div>1/8/2025</div></div> <div><div>SEAL</div><div></div></div> <div><div>DOCUMENT NOT CONSIDERED FINAL<br/>UNLESS ALL SIGNATURES COMPLETED</div></div> |
|                                                                                                                                                      | <div><div>402</div><div>QUANTITY REQ'D . 1 _</div><div><div>48" X 60"<br/>R2-1</div></div><div>TWO "U" POSTS PER SIGN</div></div>      |                                                                                                                                                                                                                   | <div><div>QUANTITY REQ'D . 1 _</div><div><div>12" X 48"<br/>D10-3</div></div><div>ONE "U" POST PER SIGN</div></div>   |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|                                                                                                                                                      | <div><div>403</div><div>QUANTITY REQ'D . 2 _</div><div><div>48" X 48"<br/>W4-1 (R)</div></div><div>TWO "U" POSTS PER SIGN</div></div> |                                                                                                                                                                                                                   | <div><div>QUANTITY REQ'D . 2 _</div><div><div>12" X 48"<br/>D10-3</div></div><div>ONE "U" POST PER SIGN</div></div>  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|                                                                                                                                                      | <div><div>404</div><div>QUANTITY REQ'D . 2 _</div><div><div>36" X 36"<br/>W12-1</div></div><div>TWO "U" POSTS PER SIGN</div></div>   |                                                                                                                                                                                                                   | <div><div>QUANTITY REQ'D . 1 _</div><div><div>12" X 48"<br/>D10-3</div></div><div>ONE "U" POST PER SIGN</div></div> |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|                                                                                                                                                      | <div><div>405</div><div>QUANTITY REQ'D . 2 _</div><div><div>42" X 30"<br/>R5-1a</div></div><div>ONE "U" POST PER SIGN</div></div>    |                                                                                                                                                                                                                   |                                                                                                                                                                                                          |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|                                                                                                                                                      |                                                                                                                                                                                                                         |                                                                                                                                                                                                                   |                                                                                                                                                                                                          |  |  |  | <div>TYPE "E" SIGNS<br/>&amp; MILEMARKERS</div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |









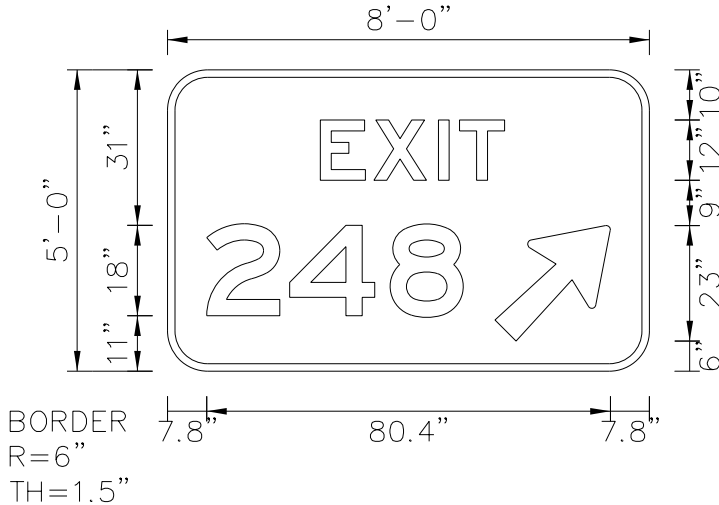


SIGN NUMBER: 202, 203  
TYPE: A  
QUANTITY: 2  
SIGN WIDTH: 8'-0"  
HEIGHT: 5'-0"  
TOTAL AREA: 40 Sq.Ft.  
BORDER TYPE: FLUSH  
RECESS: 0"  
WIDTH: 1.5"  
RADII: 6"  
NO. Z BARS: 2  
LENGTH: 88.0

BACKG COLOR: Green  
COPY COLOR: White  
SYMBOL X Y WID HT  
AR\_Type A 65.21 6 18.55 29.21

- USE NOTES:
- Legend and border(except those that are colored black) shall be direct applied Grade C sheeting.
  - Background shall be Grade C reflective sheeting.
  - Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum with Grade C reflective sheeting and demountable.

DESIGN BY: M. THIGPEN  
PROJECT ID: HI-0018  
CHECKED BY:  
LOCATION:  
Sep 24, 2024  
DIV: 06



Spacing Factor is 1 unless specified otherwise

| Letter locations are panel edge to lower left corner |       |       |       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Series/Size<br>Text Length |
|------------------------------------------------------|-------|-------|-------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|----------------------------|
| E                                                    | X     | I     | T     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | E 2000                     |
| 30.43                                                | 41.11 | 53.95 | 58.15 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 36.72                      |
| 2                                                    | 4     | 8     |       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | E 2000                     |
| 7.79                                                 | 24.35 | 44.33 |       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 51.12                      |

FILENAME: Guidsign\_English\_8-2-13

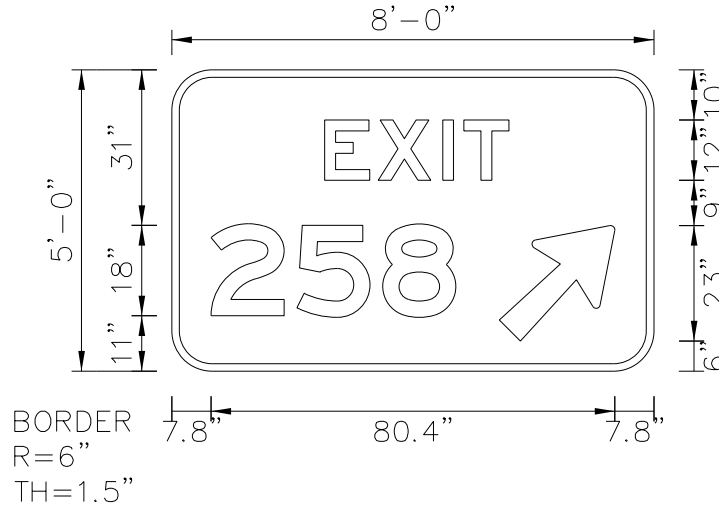
NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 204  
TYPE: A  
QUANTITY: 1  
SIGN WIDTH: 8'-0"  
HEIGHT: 5'-0"  
TOTAL AREA: 40 Sq.Ft.  
BORDER TYPE: FLUSH  
RECESS: 0"  
WIDTH: 1.5"  
RADII: 6"  
NO. Z BARS: 2  
LENGTH: 88.0

BACKG COLOR: Green  
COPY COLOR: White  
SYMBOL X Y WID HT  
AR\_Type A 65.21 6 18.55 29.21

- USE NOTES:
- Legend and border(except those that are colored black) shall be direct applied Grade C sheeting.
  - Background shall be Grade C reflective sheeting.
  - Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum with Grade C reflective sheeting and demountable.

DESIGN BY: M. THIGPEN  
PROJECT ID: HI-0018  
CHECKED BY:  
LOCATION:  
Sep 24, 2024  
DIV: 06



Spacing Factor is 1 unless specified otherwise

| Letter locations are panel edge to lower left corner |       |       |       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Series/Size<br>Text Length |
|------------------------------------------------------|-------|-------|-------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|----------------------------|
| E                                                    | X     | I     | T     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | E 2000                     |
| 30.43                                                | 41.11 | 53.95 | 58.15 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 36.72                      |
| 2                                                    | 5     | 8     |       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | E 2000                     |
| 7.79                                                 | 24.89 | 41.99 |       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 48.78                      |

FILENAME: Guidsign\_English\_8-2-13

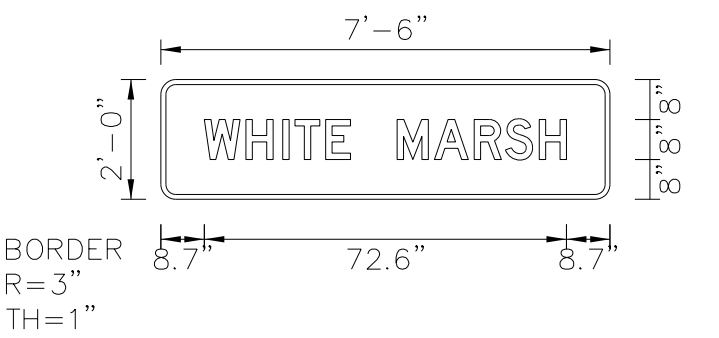
NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 301A  
TYPE: D  
QUANTITY: 1  
SIGN WIDTH: 7'-6"  
HEIGHT: 2'-0"  
TOTAL AREA: 15 Sq.Ft.  
BORDER TYPE: FLUSH  
RECESS: 0"  
WIDTH: 1"  
RADII: 3"  
NO. Z BARS:  
LENGTH:

BACKG COLOR: Green  
COPY COLOR: White  
SYMBOL X Y WID HT

- USE NOTES:
- Legend and border(except those that are colored black) shall be direct applied Grade C sheeting.
  - Background shall be Grade C reflective sheeting.

DESIGN BY: M. THIGPEN  
PROJECT ID: HI-0018  
CHECKED BY:  
LOCATION:  
Sep 30, 2024  
DIV: 06



Spacing Factor is 1 unless specified otherwise

| Letter locations are panel edge to lower left corner |       |      |       |       |      |       |      |      |       |       |  |  |  |  |  |  |  |  |  | Series/Size<br>Text Length |
|------------------------------------------------------|-------|------|-------|-------|------|-------|------|------|-------|-------|--|--|--|--|--|--|--|--|--|----------------------------|
| W                                                    | H     | I    | T     | E     |      | M     | A    | R    | S     | H     |  |  |  |  |  |  |  |  |  | D 2000                     |
| 8.72                                                 | 17.04 | 24.4 | 26.88 | 33.04 | 38.4 | 47.36 | 54.8 | 62.8 | 69.04 | 75.84 |  |  |  |  |  |  |  |  |  | 72.56                      |

FILENAME: Guidsign\_English\_8-2-13

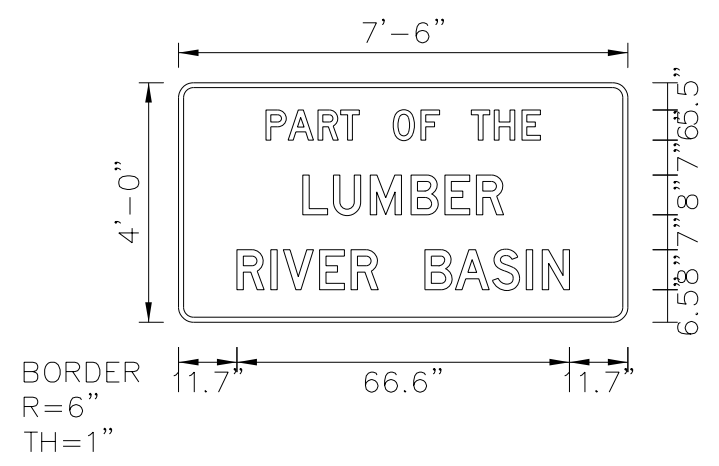
NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 301B  
TYPE: D  
QUANTITY: 1  
SIGN WIDTH: 7'-6"  
HEIGHT: 4'-0"  
TOTAL AREA: 30 Sq.Ft.  
BORDER TYPE: FLUSH  
RECESS: 0"  
WIDTH: 1"  
RADII: 6"  
NO. Z BARS: 2  
LENGTH: 82.0

BACKG COLOR: Green  
COPY COLOR: White  
SYMBOL X Y WID HT

- USE NOTES:
- Legend and border(except those that are colored black) shall be direct applied Grade C sheeting.
  - Background shall be Grade C reflective sheeting.

DESIGN BY: M. THIGPEN  
PROJECT ID: HI-0018  
CHECKED BY:  
LOCATION:  
Sep 30, 2024  
DIV: 06

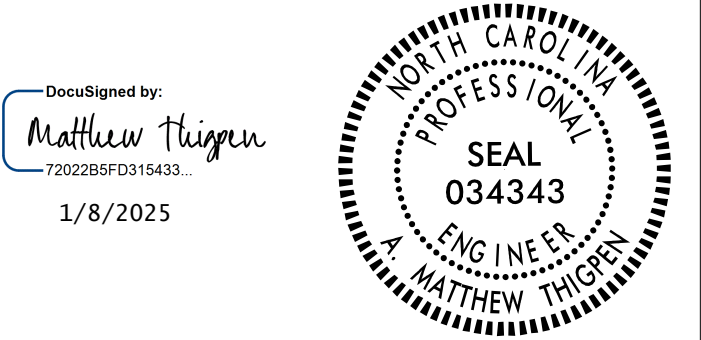


Spacing Factor is 1 unless specified otherwise

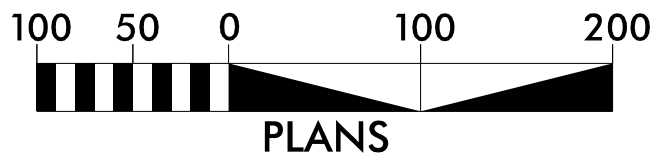
| Letter locations are panel edge to lower left corner |       |       |       |       |       |       |       |       |       |       |  |  |  |  |  |  |  |  |  | Series/Size<br>Text Length |
|------------------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|--|--|--|--|--|--|--|--|----------------------------|
| P                                                    | A     | R     | T     |       | O     | F     |       | T     | H     | E     |  |  |  |  |  |  |  |  |  | D 2000                     |
| 17.49                                                | 21.93 | 27.93 | 32.49 | 36.39 | 42.99 | 48.57 | 52.47 | 58.65 | 63.27 | 68.79 |  |  |  |  |  |  |  |  |  | 55.02                      |
| L                                                    | U     | M     | B     | E     | R     |       |       |       |       |       |  |  |  |  |  |  |  |  |  | D 2000                     |
| 24.88                                                | 31.04 | 38.4  | 46.56 | 53.36 | 59.68 |       |       |       |       |       |  |  |  |  |  |  |  |  |  | 40.24                      |
| R                                                    | I     | V     | E     | R     |       | B     | A     | S     | I     | N     |  |  |  |  |  |  |  |  |  | D 2000                     |
| 11.68                                                | 18.48 | 20.96 | 28.24 | 34.56 | 40.4  | 49.36 | 55.44 | 62.88 | 69.68 | 72.88 |  |  |  |  |  |  |  |  |  | 66.64                      |

FILENAME: Guidsign\_English\_8-2-13

NORTH CAROLINA D.O.T. SIGN DETAIL



3612 Griffice Mill Road  
Raleigh, NC 27610  
License: P-1116





|                                 |       |              |       |             |            |             |  |              |
|---------------------------------|-------|--------------|-------|-------------|------------|-------------|--|--------------|
| SIGN NUMBER:                    | 302   | BACKG COLOR: | Blue  | DESIGN BY:  | M. THIGPEN | CHECKED BY: |  | Sep 30, 2024 |
| TYPE:                           | D     | COPY COLOR:  | White | PROJECT ID: | HI-0018    | LOCATION:   |  | DIV: 06      |
| QUANTITY:                       | 1     |              |       |             |            |             |  |              |
| <b>SIGN WIDTH:</b> 3'-6"        |       |              |       |             |            |             |  |              |
| <b>HEIGHT:</b> 4'-6"            |       |              |       |             |            |             |  |              |
| <b>TOTAL AREA:</b> 15.75 Sq.Ft. |       |              |       |             |            |             |  |              |
| BORDER TYPE:                    | FLUSH |              |       |             |            |             |  |              |
| RECESS:                         | 0"    |              |       |             |            |             |  |              |
| WIDTH:                          | 1"    |              |       |             |            |             |  |              |
| RADII:                          | 6"    |              |       |             |            |             |  |              |
| NO. Z BARS:                     | 2     |              |       |             |            |             |  |              |
| LENGTH:                         | 34.0  |              |       |             |            |             |  |              |

| SYMBOL | X | Y | WID | HT |
|--------|---|---|-----|----|
|        |   |   |     |    |
|        |   |   |     |    |
|        |   |   |     |    |
|        |   |   |     |    |
|        |   |   |     |    |
|        |   |   |     |    |
|        |   |   |     |    |
|        |   |   |     |    |
|        |   |   |     |    |

**MAT'L: 0.125" (3.2 mm) ALUMINUM**

**USE NOTES:**

- Legend and border(except those that are colored black) shall be direct applied Grade C sheeting,
- Background shall be Grade C reflective sheeting.

[illegible]

|                  |                         |                       |             |
|------------------|-------------------------|-----------------------|-------------|
| SIGN NUMBER: 303 | BACKGROUND COLOR: Green | DESIGN BY: M. THIGPEN | CHECKED BY: |
| TYPE: D          | COPY COLOR: White       | PROJECT ID: HI-0018   | LOCATION:   |
| QUANTITY: 1      |                         |                       |             |

|                       |   |   |     |    |
|-----------------------|---|---|-----|----|
| SIGN WIDTH: 7'-6"     | X | Y | WID | HT |
| HEIGHT: 2'-0"         |   |   |     |    |
| TOTAL AREA: 15 Sq.Ft. |   |   |     |    |
| BORDER TYPE: FLUSH    |   |   |     |    |
| RECESS: 0"            |   |   |     |    |
| WIDTH: 1"             |   |   |     |    |
| RADII: 3"             |   |   |     |    |

|             |                                 |
|-------------|---------------------------------|
| NO. Z BARS: | MAT'L: 0.125" (3.2 mm) ALUMINUM |
| LENGTH:     |                                 |

**USE NOTES:**

- Legend and border(except those that are colored black) shall be direct applied Grade C sheeting.
- Background shall be Grade C reflective sheeting.

[illegible]

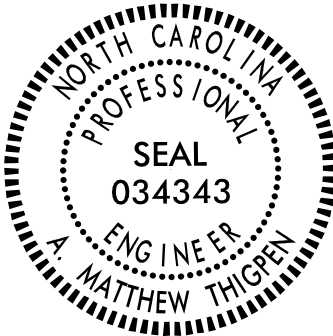
| <b>SIGN NUMBER:</b> 304<br><b>TYPE:</b> D<br><b>QUANTITY:</b> 1<br><br><b>SIGN WIDTH:</b> 7'-6"<br><b>HEIGHT:</b> 3'-0"<br><b>TOTAL AREA:</b> 22.5 Sq.Ft.<br><br><b>BORDER TYPE:</b> FLUSH<br><b>RECESS:</b> 0"<br><b>WIDTH:</b> 1"<br><b>RADIUS:</b> 3"<br><br><b>NO. Z BARS:</b><br><b>LENGTH:</b> | <b>BACKG COLOR:</b> Green<br><b>COPY COLOR:</b> White<br><br><table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>SYMBOL</th> <th>X</th> <th>Y</th> <th>WID</th> <th>HT</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table><br><b>MAT'L:</b> 0.125" (3.2 mm) ALUMINUM | SYMBOL | X   | Y  | WID | HT |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | <b>DESIGN BY:</b> M. THIGPEN<br><b>PROJECT ID:</b> HI-0018<br><br><b>CHECKED BY:</b><br><b>LOCATION:</b><br><br><div style="text-align: right;"> <b>Nov 06, 2024</b><br/> <b>DIV: 06</b> </div> |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-----|----|-----|----|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SYMBOL                                                                                                                                                                                                                                                                                               | X                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Y      | WID | HT |     |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                 |
|                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |        |     |    |     |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                 |
|                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |        |     |    |     |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                 |
|                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |        |     |    |     |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                 |
|                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |        |     |    |     |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                 |
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|                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |        |     |    |     |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                 |
|                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |        |     |    |     |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                 |
|                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |        |     |    |     |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                 |
|                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |        |     |    |     |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                 |

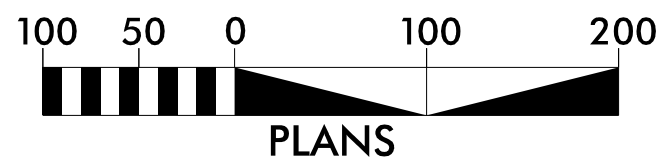
**USE NOTES:**

- Legend and border(except those that are colored black) shall be direct applied Grade C sheeting.
- Background shall be Grade C reflective sheeting.

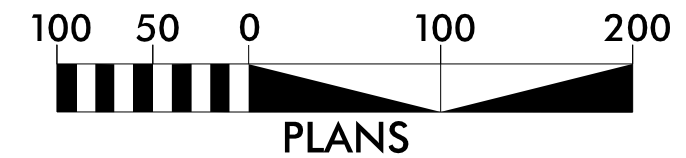
Diagram illustrating the sign dimensions and layout. The sign is rectangular with a width of 7'-6" and a height of 3'-0". The text "Delco" and "11" are positioned on the top line, and "Wilmington" and "29" are positioned on the bottom line. The sign is mounted on a post with a 3" radius. The mounting dimensions are 8.5" from the left and right edges to the post centerline, and 7.3" from the top and bottom edges to the post centerline.

[illegible]

|                                                                                                                                                                                                           |                             |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|
| PROJECT REFERENCE NO.<br><i>HI-0018</i>                                                                                                                                                                   | SHEET NO.<br><i>SIGN-4C</i> |
| <div>Designed by:<br/><i>Matthew Thigpen</i><br/>7202285FD315433<br/>1/8/2025</div> <div></div>                        |                             |
| <div><b>THIGPEN</b><br/>ENGINEERING</div> <div>3612 Griffice Mill Road<br/>Raleigh, NC 27610<br/>License: P-1116</div> |                             |



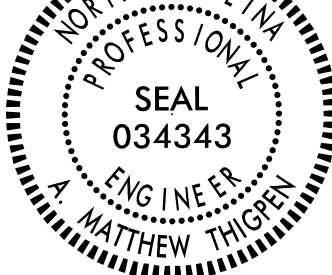




|                       |           |
|-----------------------|-----------|
| PROJECT REFERENCE NO. | SHEET NO. |
| HI-0018               | SIGN-5    |

DocuSigned by:  
  
 172028BFD01543D...

1/8/2025





**THIGPEN**  
ENGINEERING

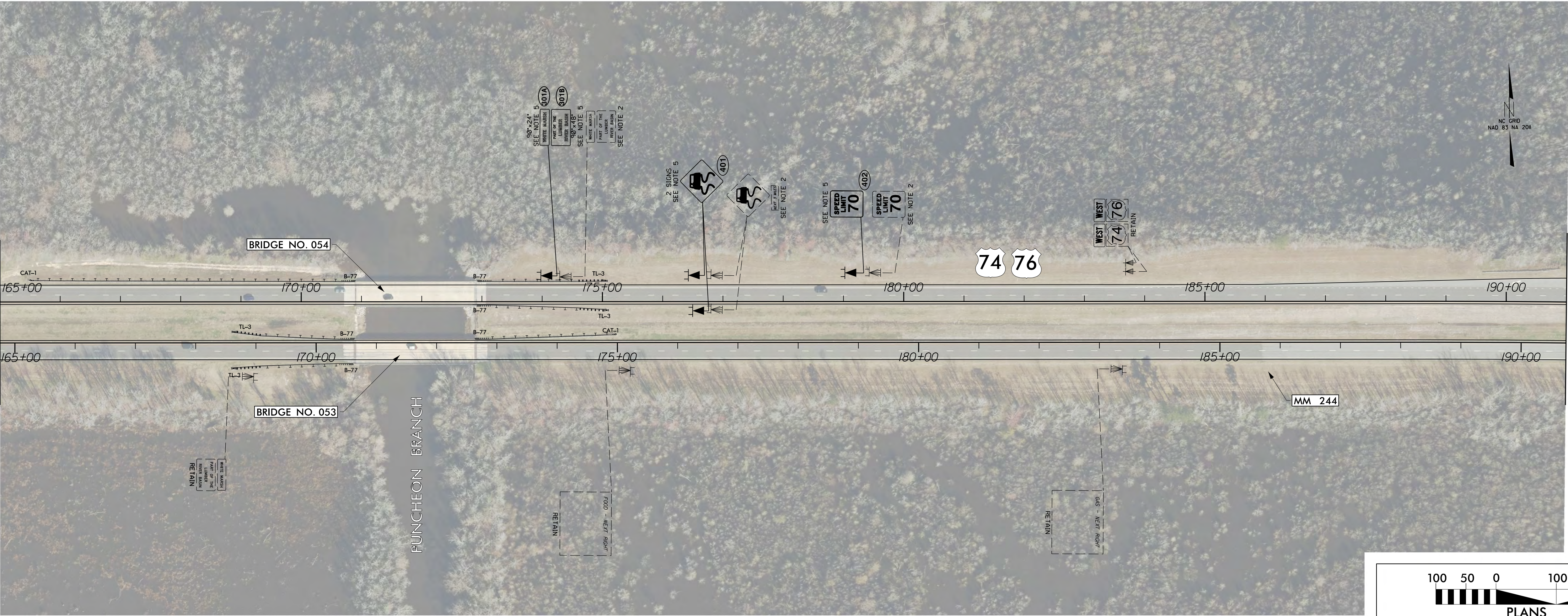
3612 Griffice Mill Road  
 Raleigh, NC 27610  
 License: P-11116



8/17/99

05-NOV-2024 15:59  
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Matt Thigpen

MATCHLINE THIS SHEET  
-1-74WBL- STA 165+00.00



MATCHLINE SHEET SIGN-7  
-1-74WBL- STA 191+00.00

MATCHLINE SHEET SIGN-5  
-1-74WBL- STA 145+00.00



MATCHLINE THIS SHEET  
-1-74WBL- STA 165+00.00

| PROJECT REFERENCE NO. | SHEET NO. |
|-----------------------|-----------|
| HI-0018               | SIGN-6    |

DocuSigned by:  
**Matthew Thigpen**  
7202285FD315433...

1/8/2025

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DocuSigned by:  
**Matthew Thigpen**  
7202285FD315433...

1/8/2025

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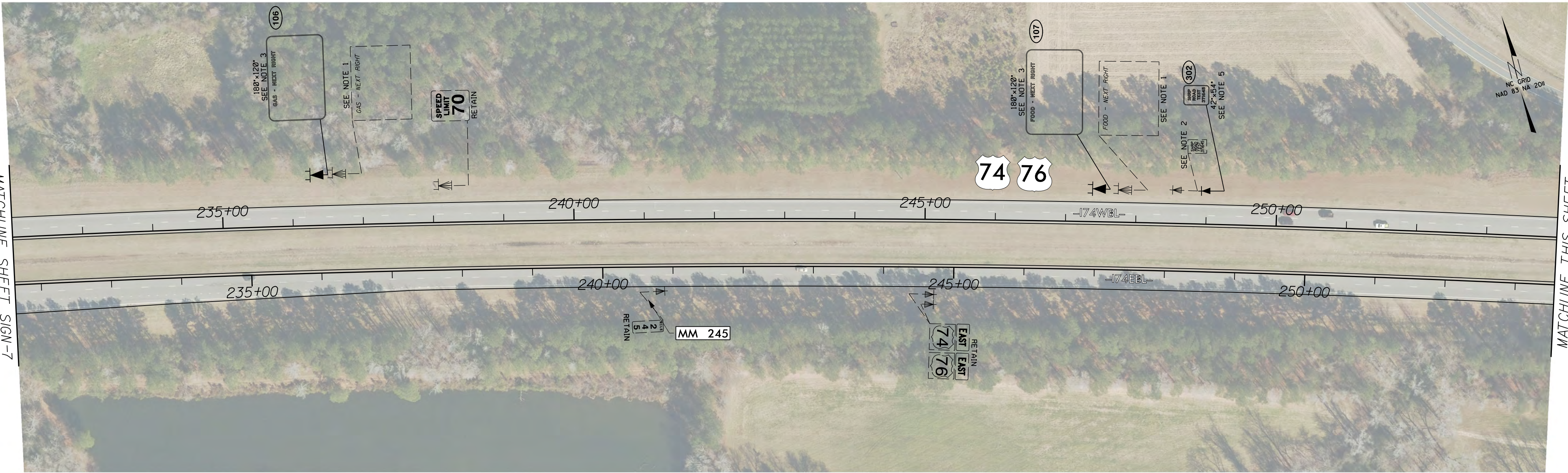
3612 Griffice Mill Road  
Raleigh, NC 27610  
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8/17/99

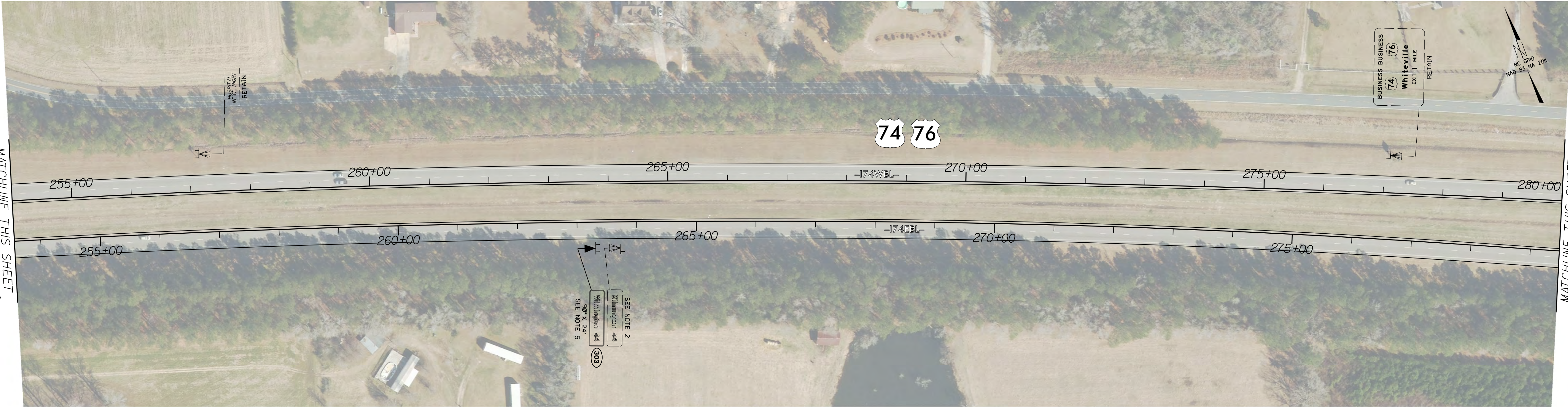
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Matt Thigpen

MATCHLINE SHEET SIGN-7  
-I-74WBL- STA 232+00.00



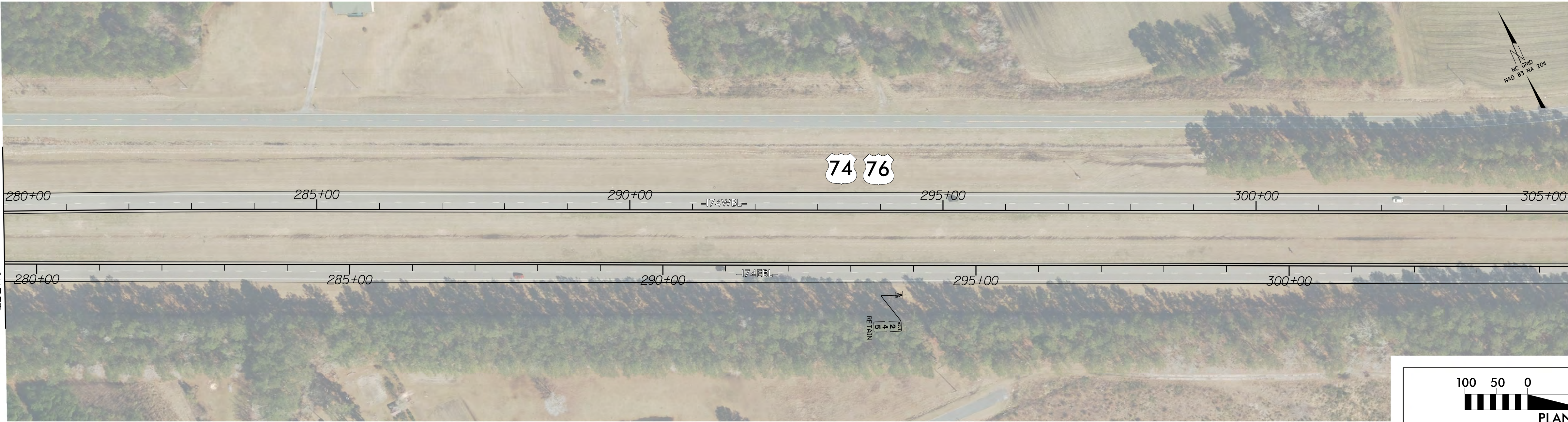
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-I-74WBL- STA 254+00.00

MATCHLINE THIS SHEET  
-I-74WBL- STA 254+00.00

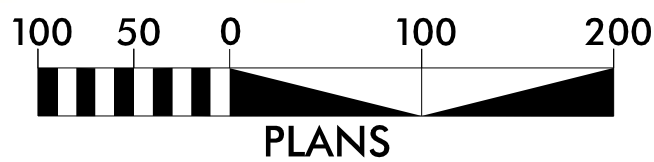


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-I-74WBL- STA 280+00.00

MATCHLINE THIS SHEET  
-I-74WBL- STA 280+00.00



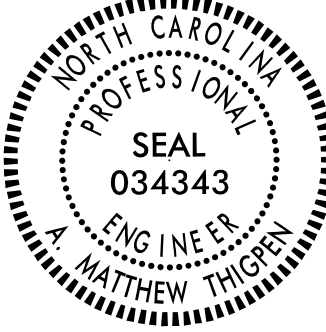
MATCHLINE SHEET SIGN-9  
-I-74WBL- STA 305+00.00



PROJECT REFERENCE NO.  
HI-0018

SHEET NO.  
SIGN-8

DocuSigned by:  
Matthew Thigpen  
7202285F0315433  
1/8/2025



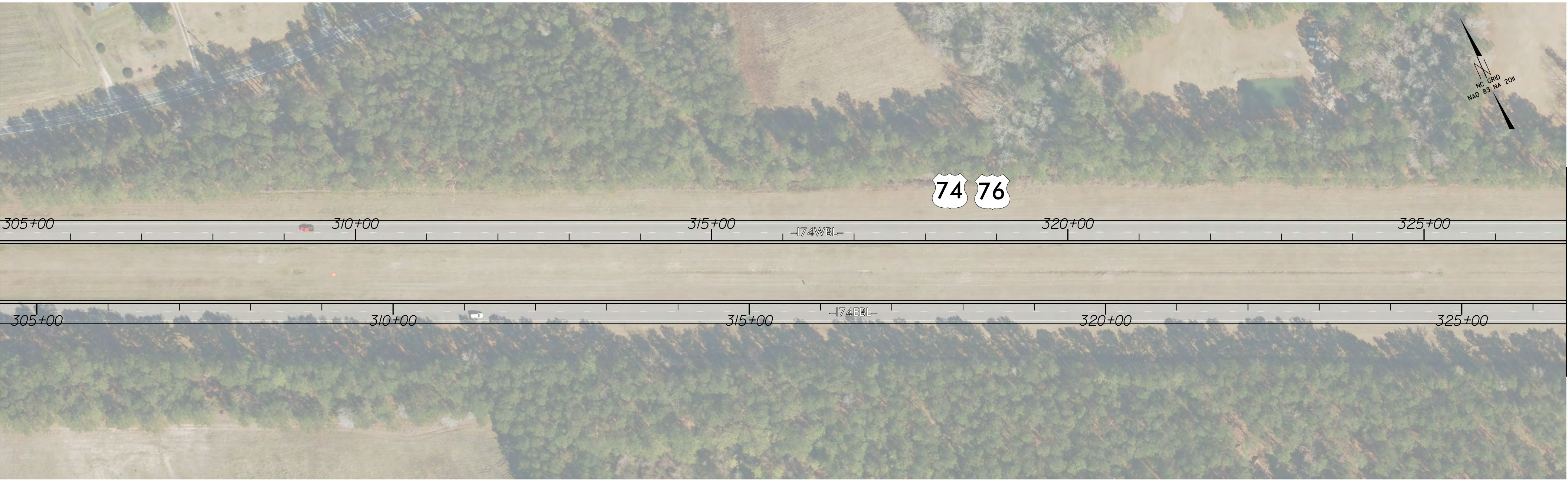
3612 Griffice Mill Road  
Raleigh, NC 27610  
License: P-1116



8/17/99

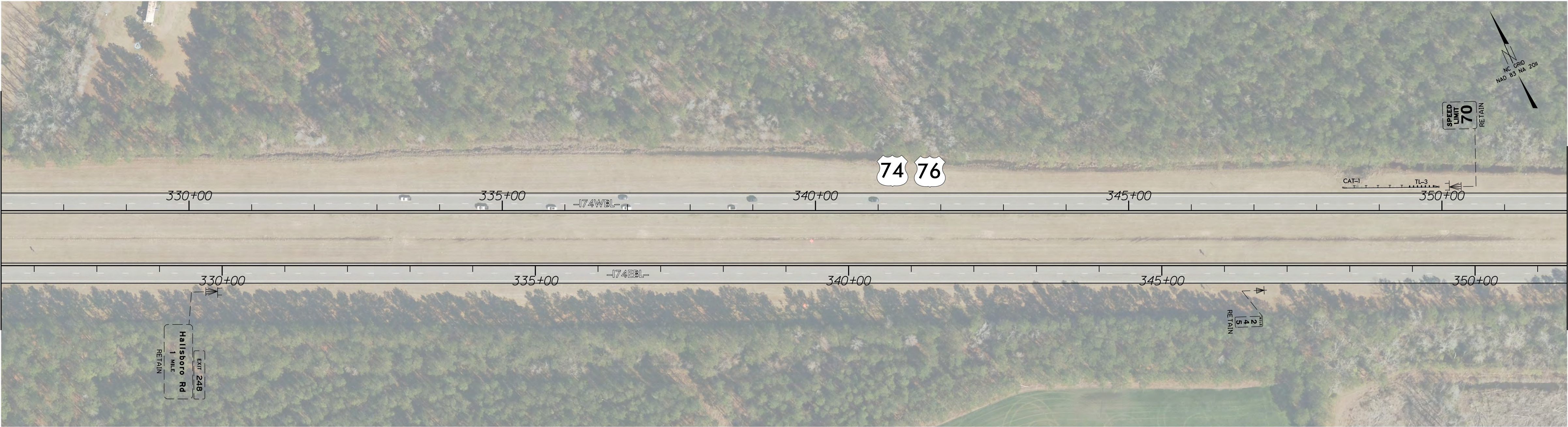
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A:\Thippen

MATCHLINE SHEET SIGN-8  
-I-74WBL- STA 305+00.00



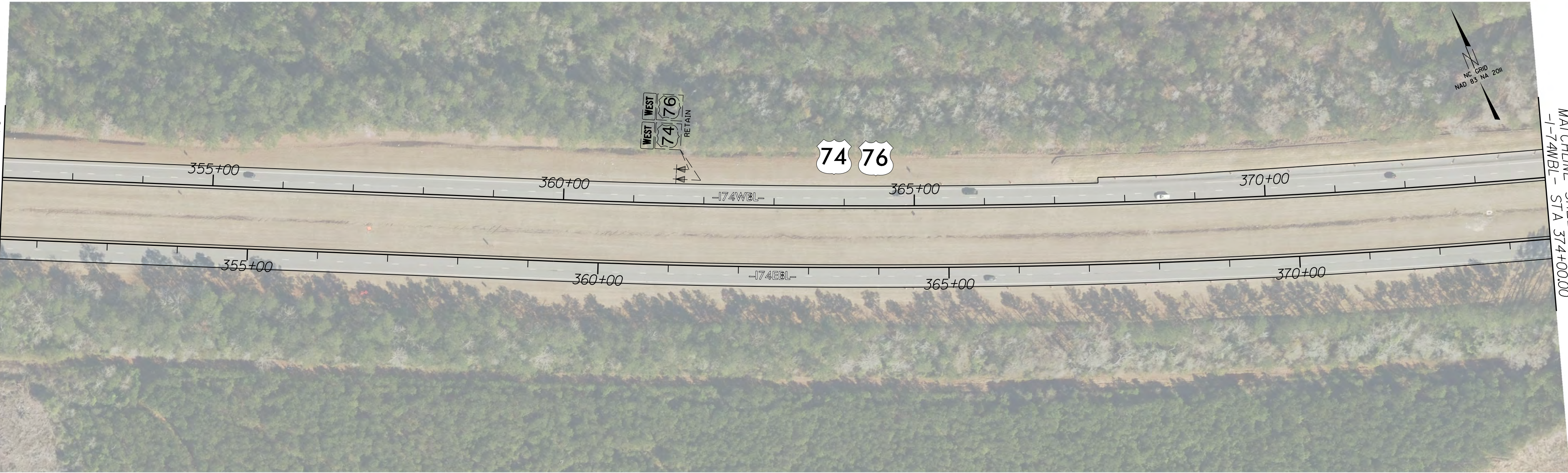
MATCHLINE THIS SHEET  
-I-74WBL- STA 327+00.00

MATCHLINE THIS SHEET  
-I-74WBL- STA 327+00.00

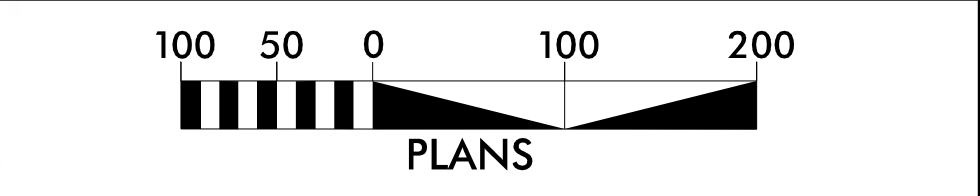


MATCHLINE THIS SHEET  
-I-74WBL- STA 352+00.00

MATCHLINE THIS SHEET  
-I-74WBL- STA 352+00.00



MATCHLINE SHEET SIGN-10  
-I-74WBL- STA 374+00.00



|                       |           |
|-----------------------|-----------|
| PROJECT REFERENCE NO. | SHEET NO. |
| HI-0018               | SIGN-9    |

DocuSigned by:  
**Matthew Thippen**  
7202285FD315433  
1/8/2025

**THIGPEN ENGINEERING**  
3612 Griffice Mill Road  
Raleigh, NC 27610  
License: P-1116

DocuSigned by:  
**Matthew Thippen**  
7202285FD315433  
1/8/2025

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8/17/99

07-NOV-2024 08:28  
C:\Users\Watt\Thigpen\OneDrive\Projects\1002085\_HI-0018\HI-0018\Traffic\Signing\CA000\HI-0018\_SIGN\_PSH+09.dgn  
Matt Thigpen  
A THIGPEN

MATCHLINE SHEET SIGN-9  
-I-74WBL- STA 374+00.00



MATCHLINE THIS SHEET  
-I-74WBL- STA 397+00.00

PROJECT REFERENCE NO.  
HI-0018

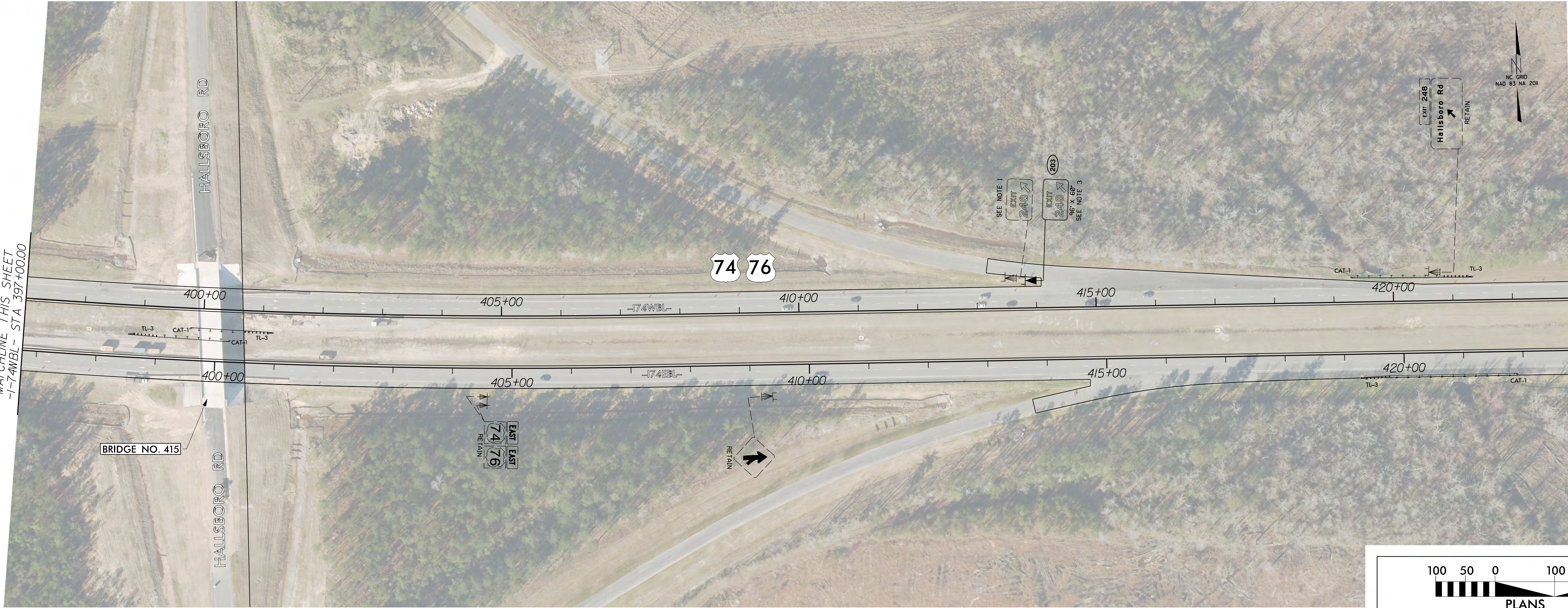
SHEET NO.  
SIGN-10

DocuSigned by:  
Matthew Thigpen  
7202285FD315433  
1/8/2025

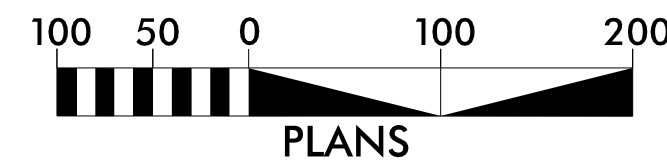


3612 Griffice Mill Road  
Raleigh, NC 27610  
License: P-1116

MATCHLINE THIS SHEET  
-I-74WBL- STA 397+00.00



MATCHLINE SHEET SIGN-11  
-I-74WBL- STA 423+00.00

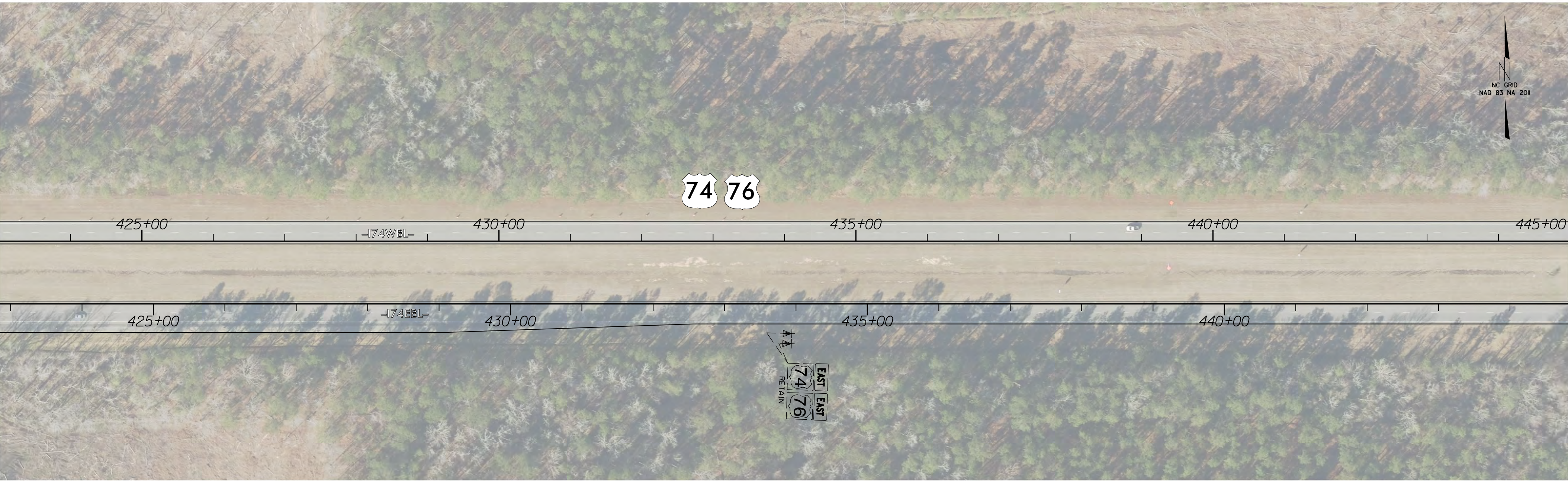




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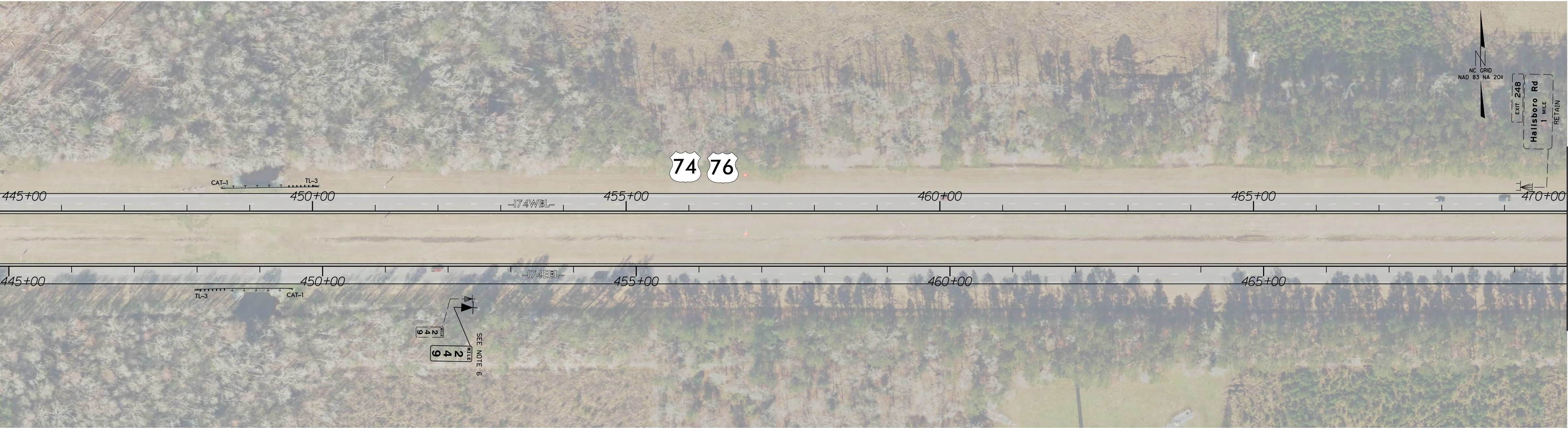
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Matt Thigpen  
A Thigpen

MATCHLINE SHEET SIGN-10  
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MATCHLINE THIS SHEET  
-I-74WBL- STA 445+00.00

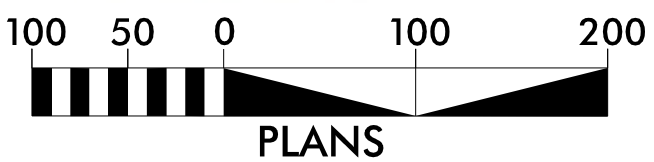


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MATCHLINE THIS SHEET  
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MATCHLINE SHEET SIGN-12  
-I-74WBL- STA 495+00.00



| PROJECT REFERENCE NO. | SHEET NO. |
|-----------------------|-----------|
| HI-0018               | SIGN-11   |

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NAD 83 NA 2011

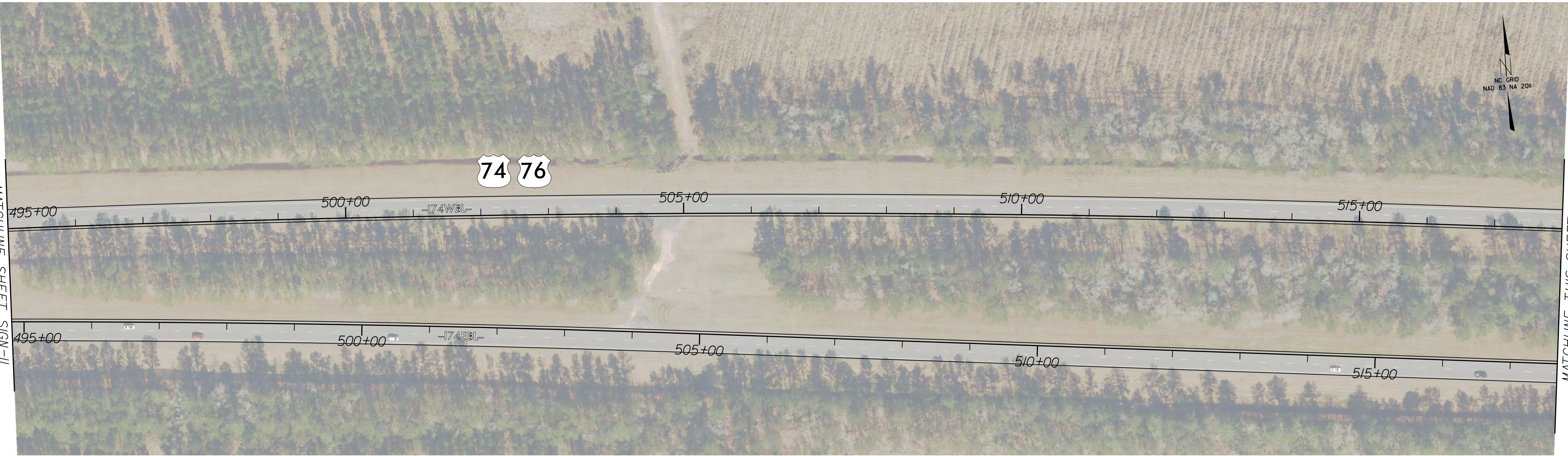
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07-NOV-2024 08:59  
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Matt Thigpen

MATCHLINE SHEET SIGN-11  
-I-74WBL- STA 495+00.00



MATCHLINE THIS SHEET  
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MATCHLINE THIS SHEET  
-I-74WBL- STA 518+00.00



MATCHLINE THIS SHEET  
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MATCHLINE THIS SHEET  
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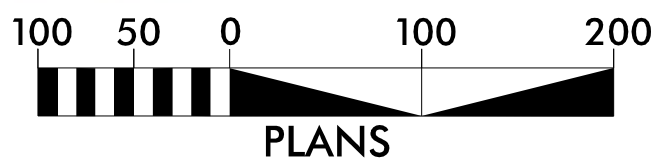
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|                       |           |
|-----------------------|-----------|
| PROJECT REFERENCE NO. | SHEET NO. |
| HI-0018               | SIGN-12   |

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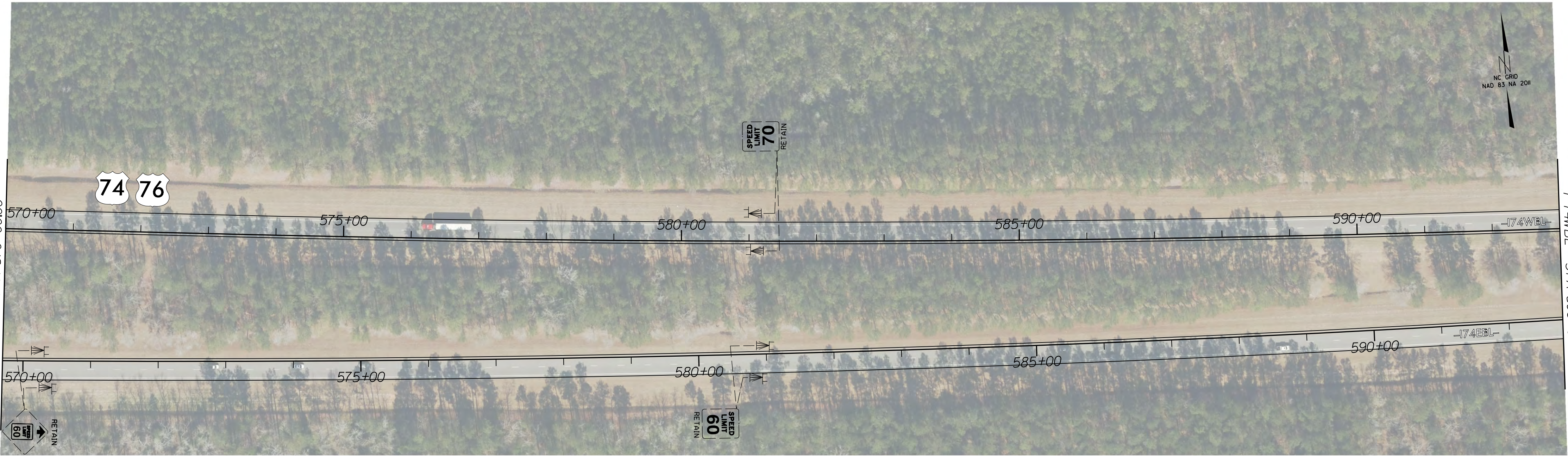




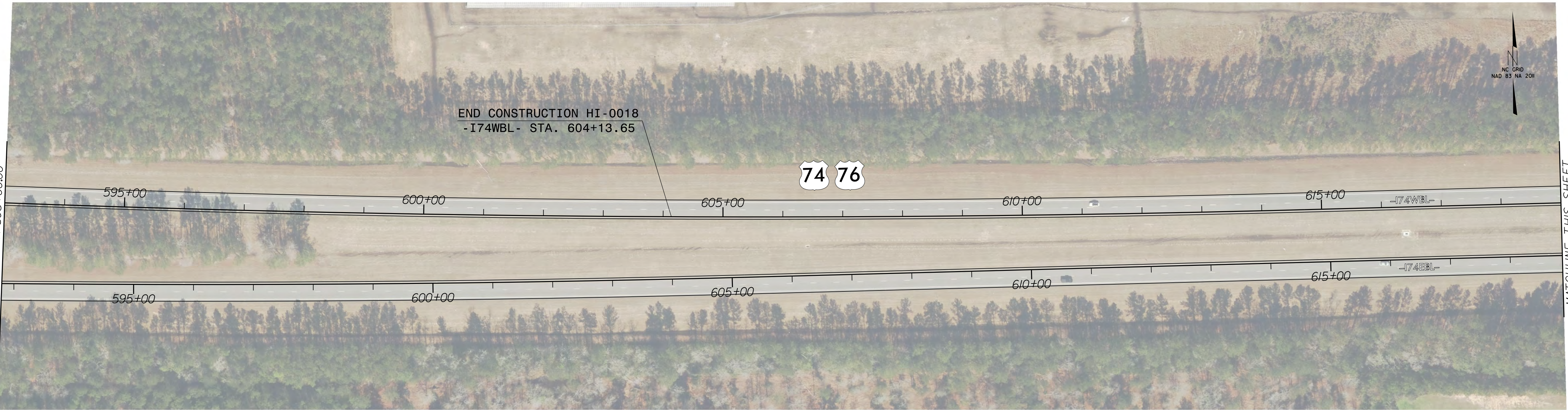
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Matt Thigpen  
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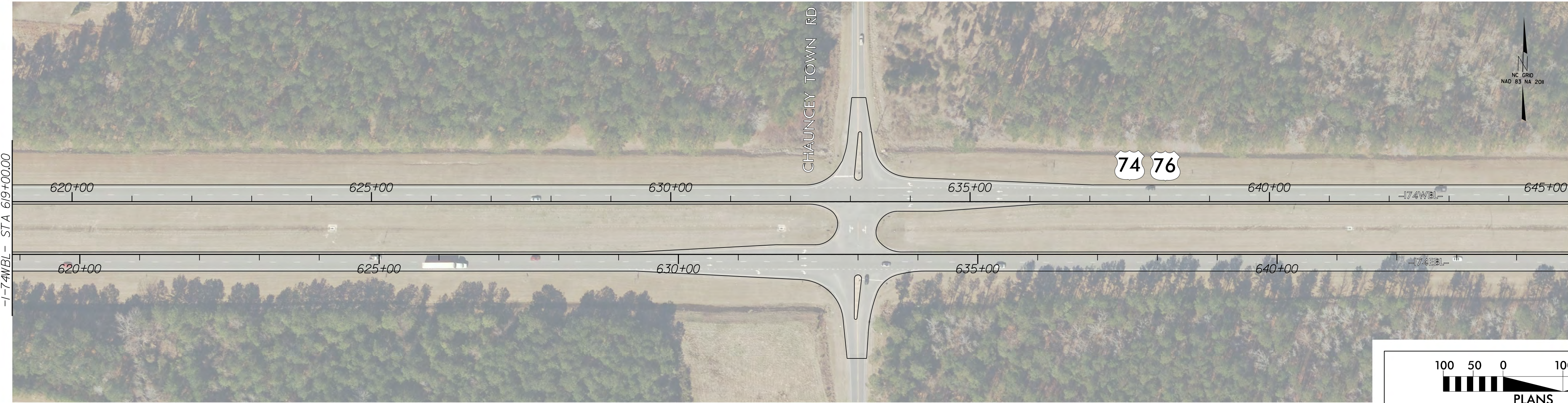
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MATCHLINE THIS SHEET  
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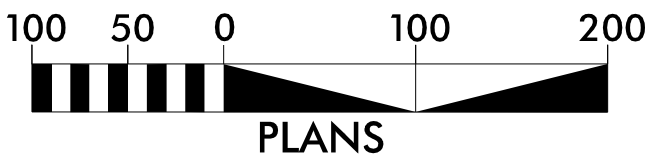
| PROJECT REFERENCE NO. | SHEET NO. |
|-----------------------|-----------|
| HI-0018               | SIGN-13   |

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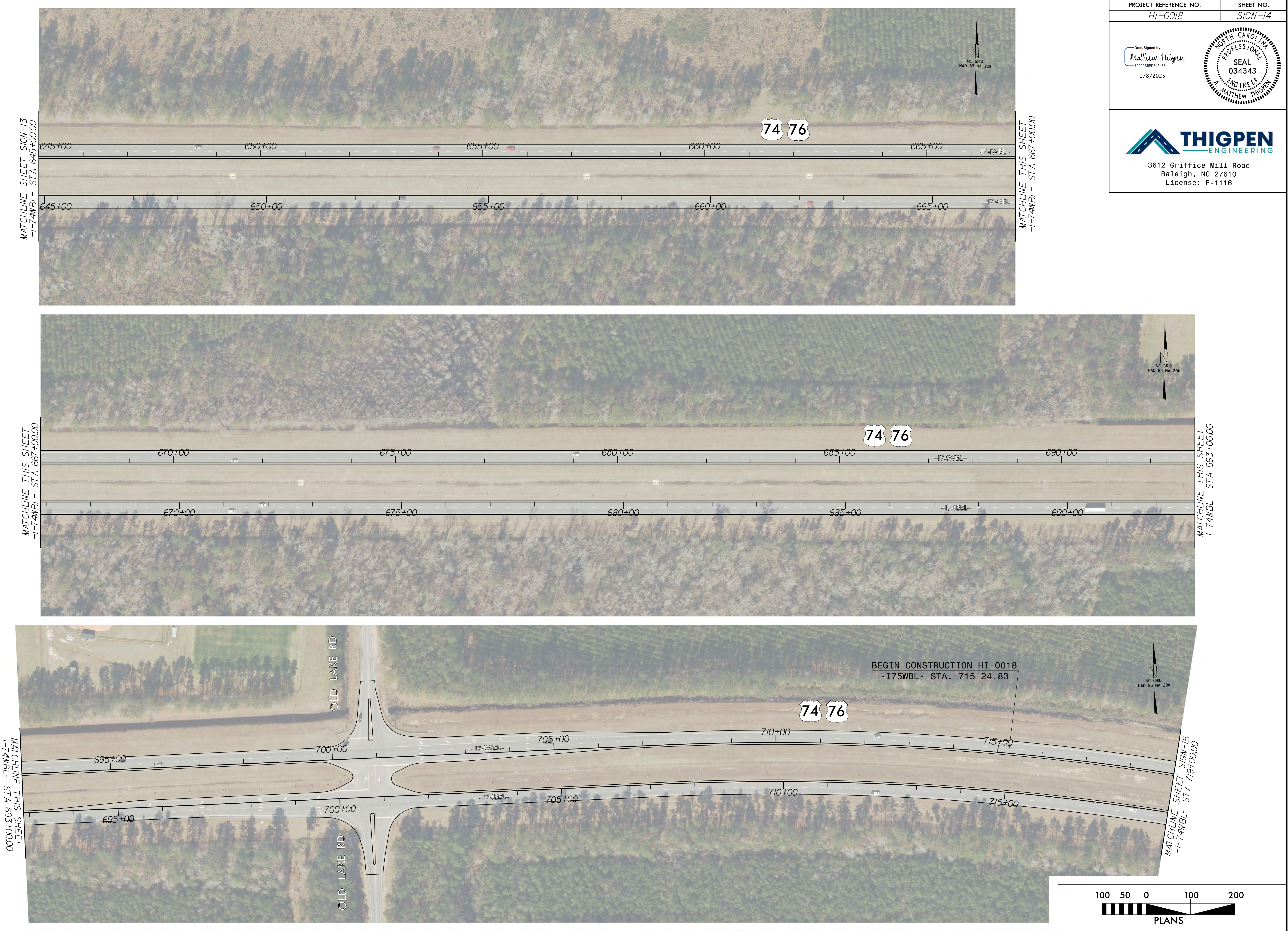
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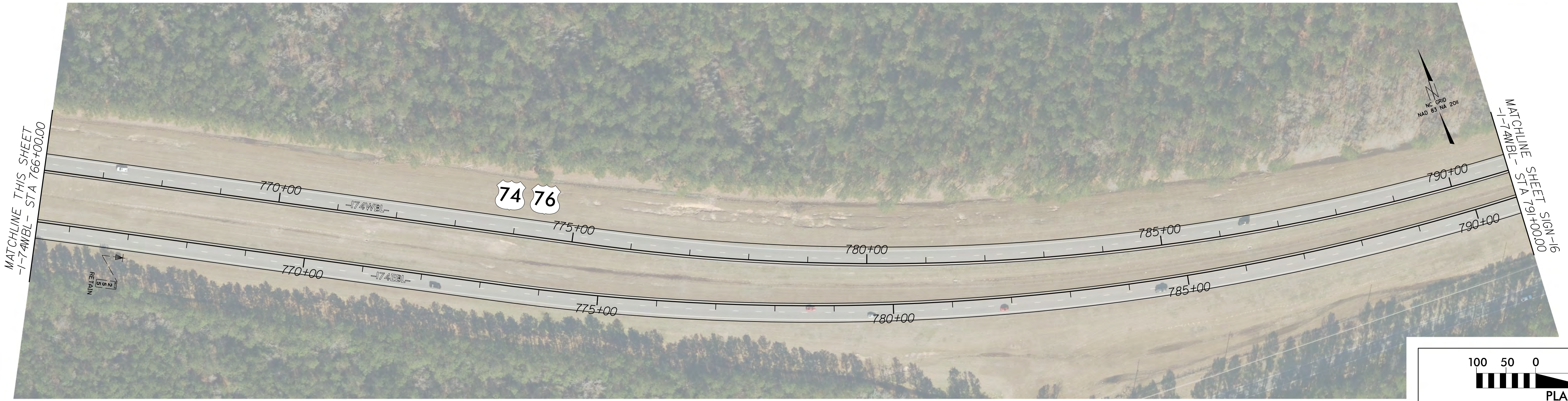
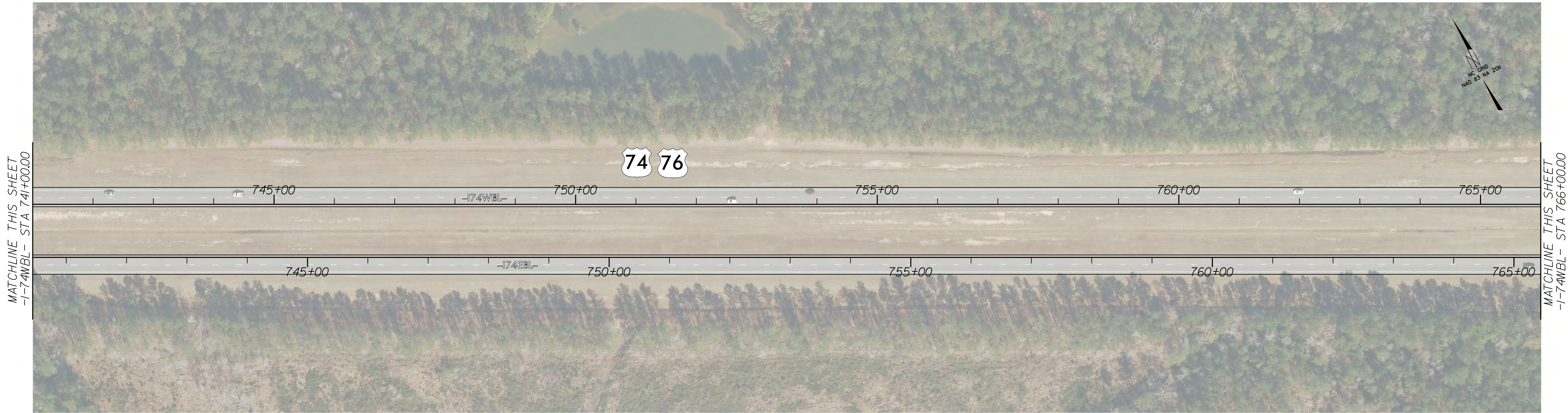
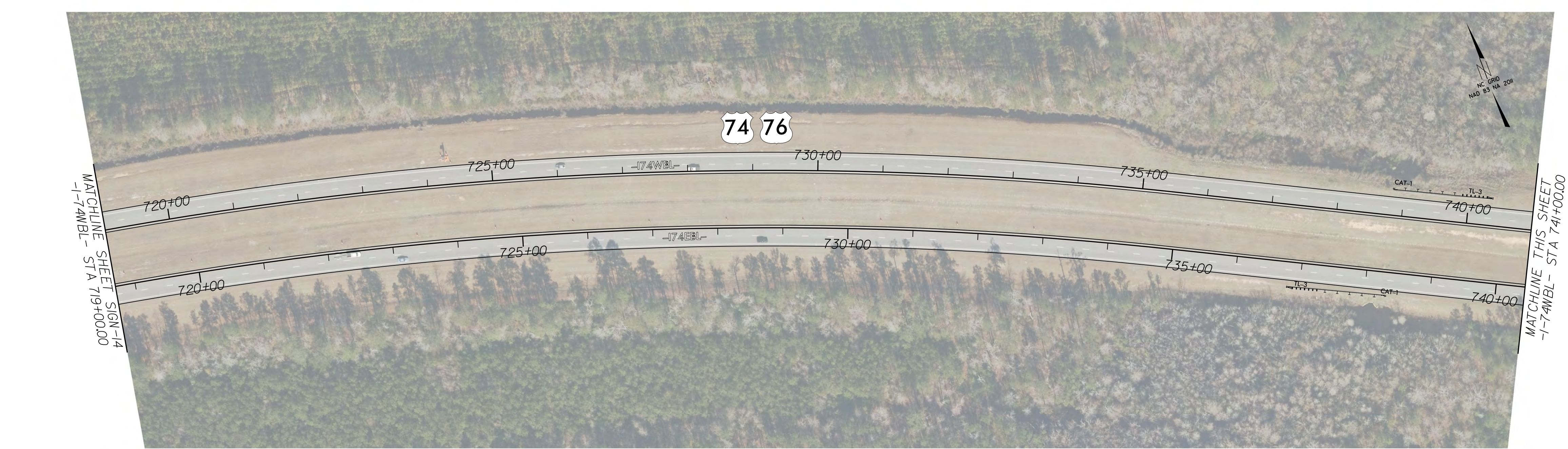
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A:\THIGPEN\THIGPEN





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A:\Thippen\Matt Thippen



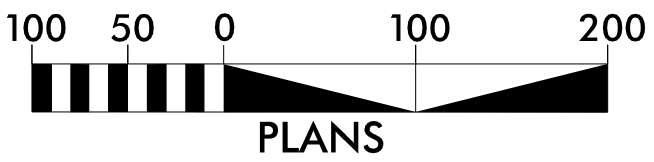
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| PROJECT REFERENCE NO. | SHEET NO. |
| HI-0018               | SIGN-15   |

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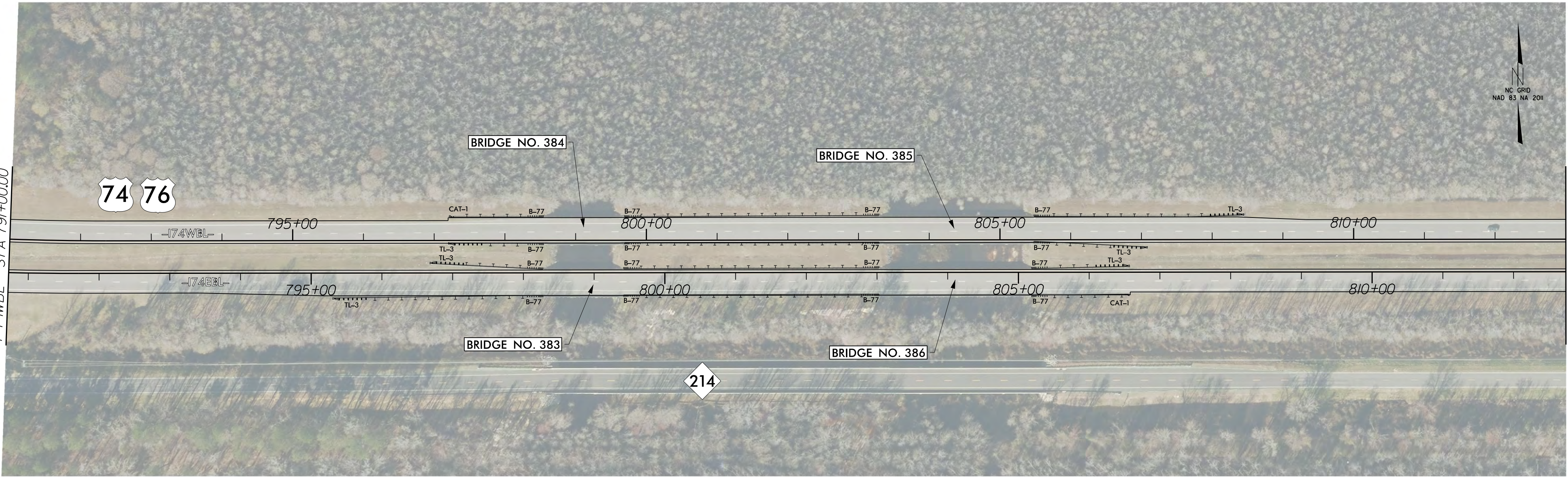




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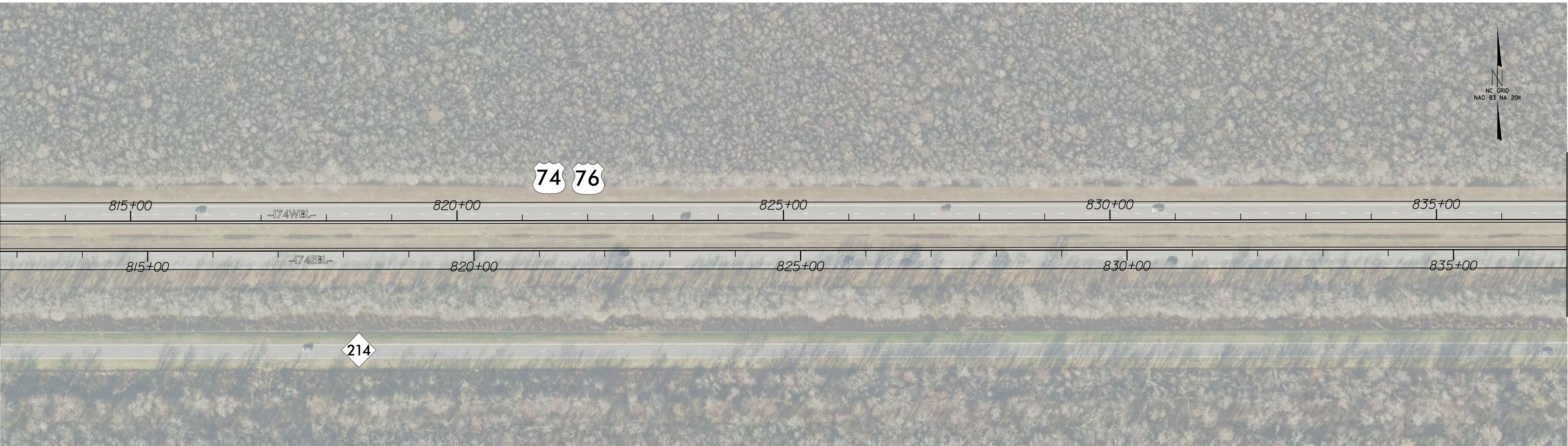
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A  
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MATCHLINE SHEET SIGN-15  
-I-74WBL- STA 79+00.00



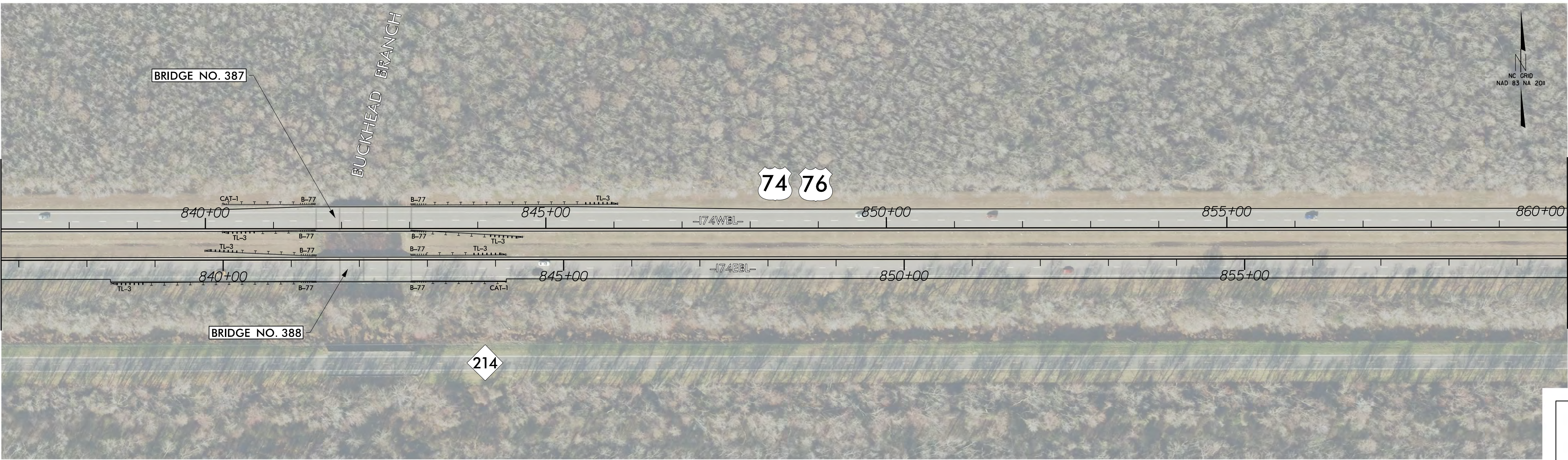
MATCHLINE THIS SHEET  
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MATCHLINE THIS SHEET  
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MATCHLINE THIS SHEET  
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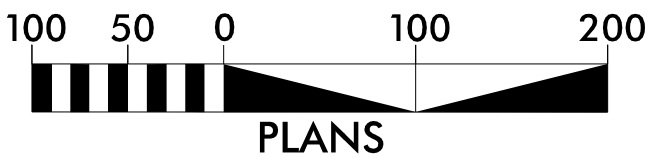
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| HI-0018               | SIGN-16   |

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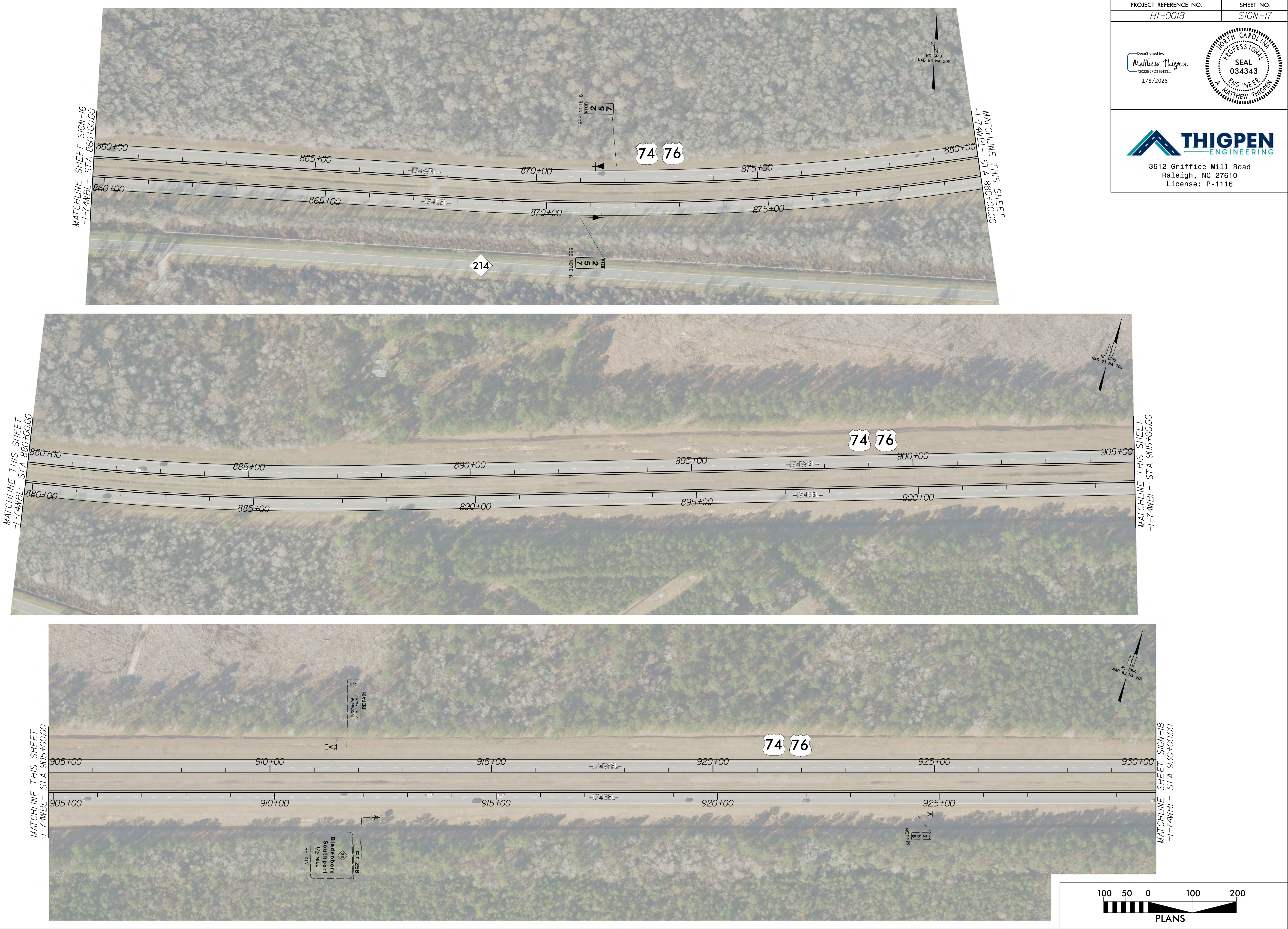
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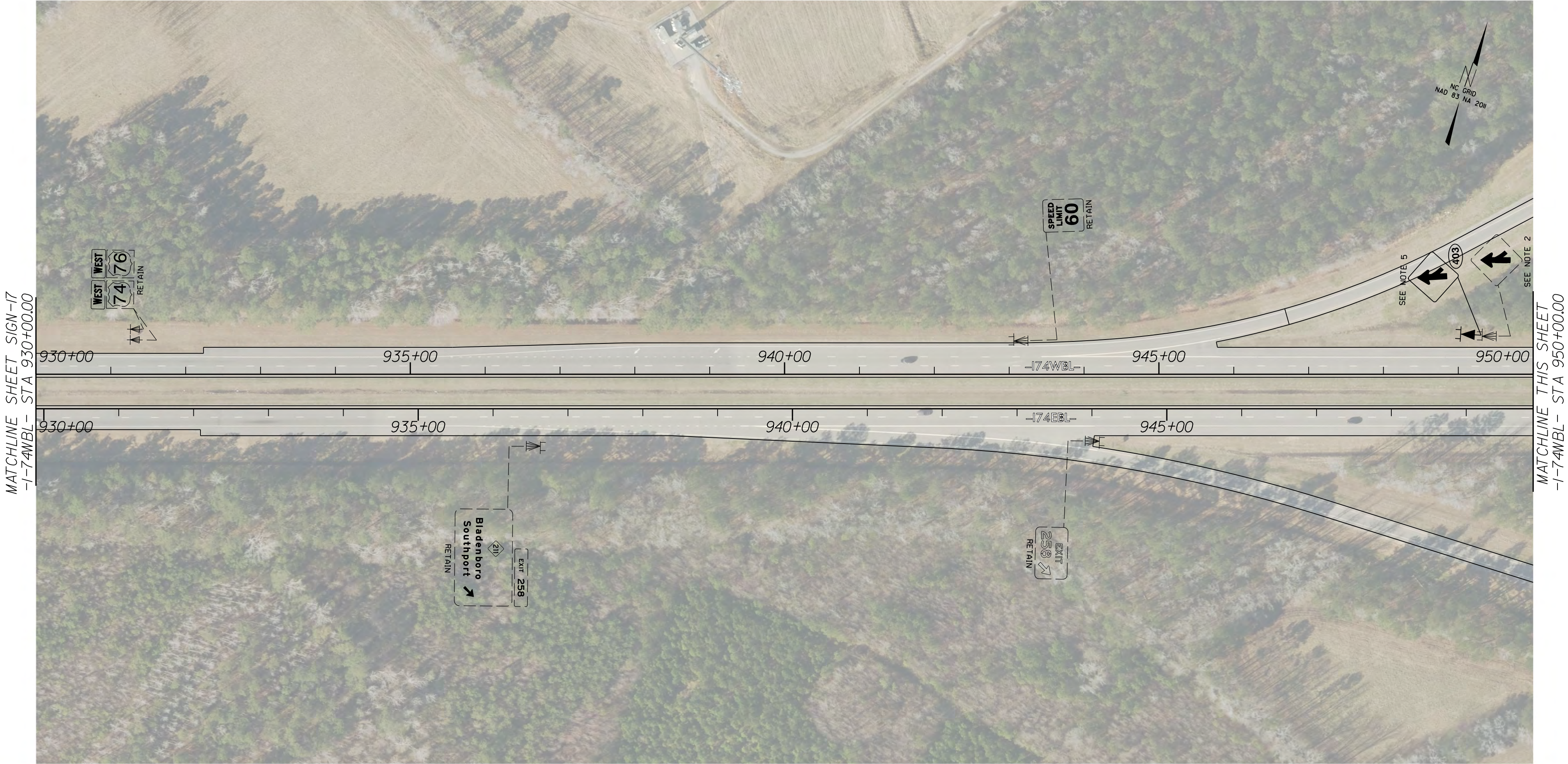
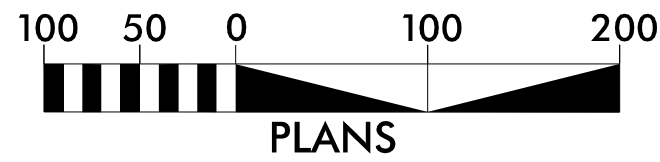
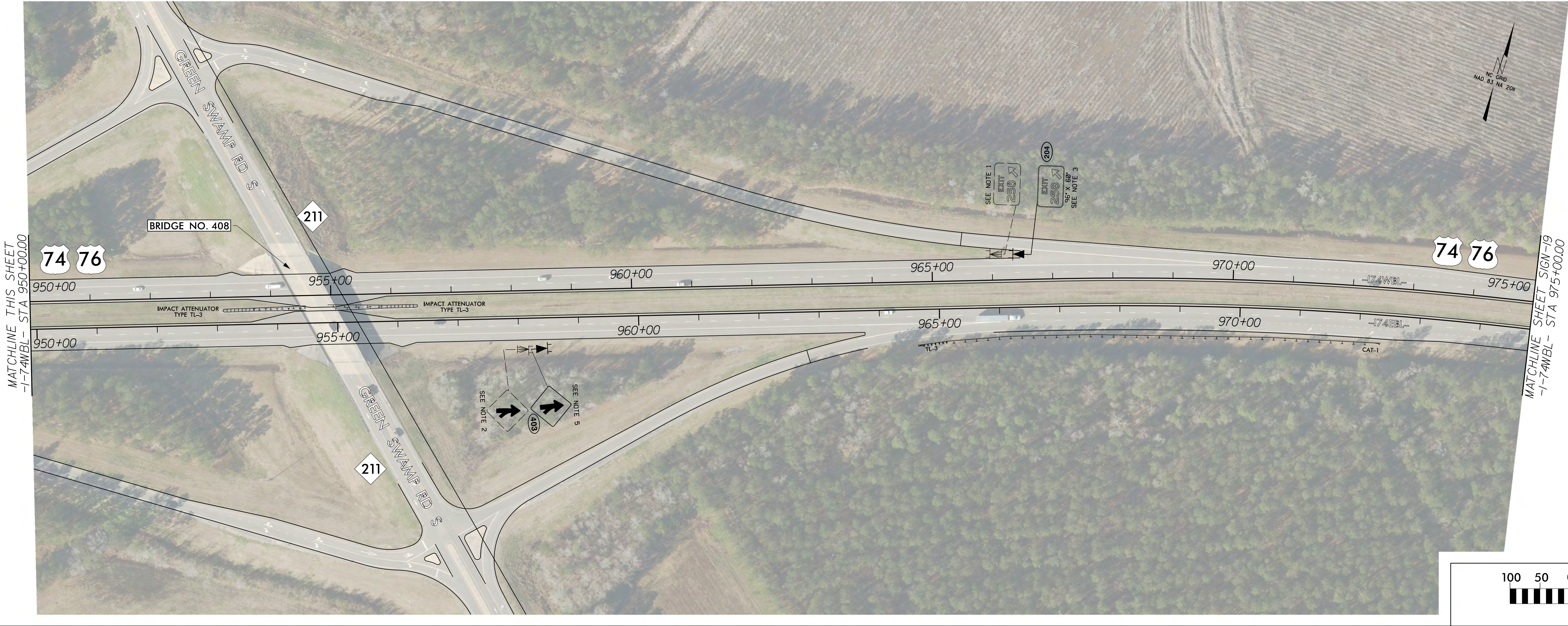
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|-----------------------|-----------|
| HI-0018               | SIGN-18   |

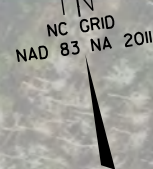
DocuSigned by:  
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7202269F3D319433...  
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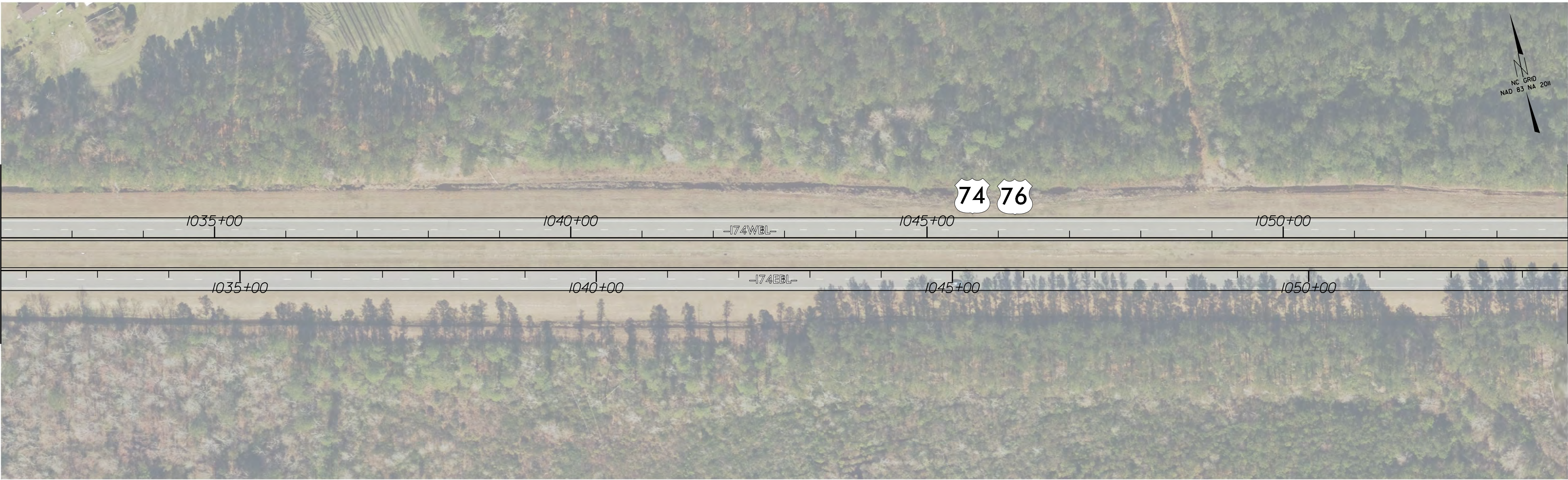
3612 Griffice Mill Road  
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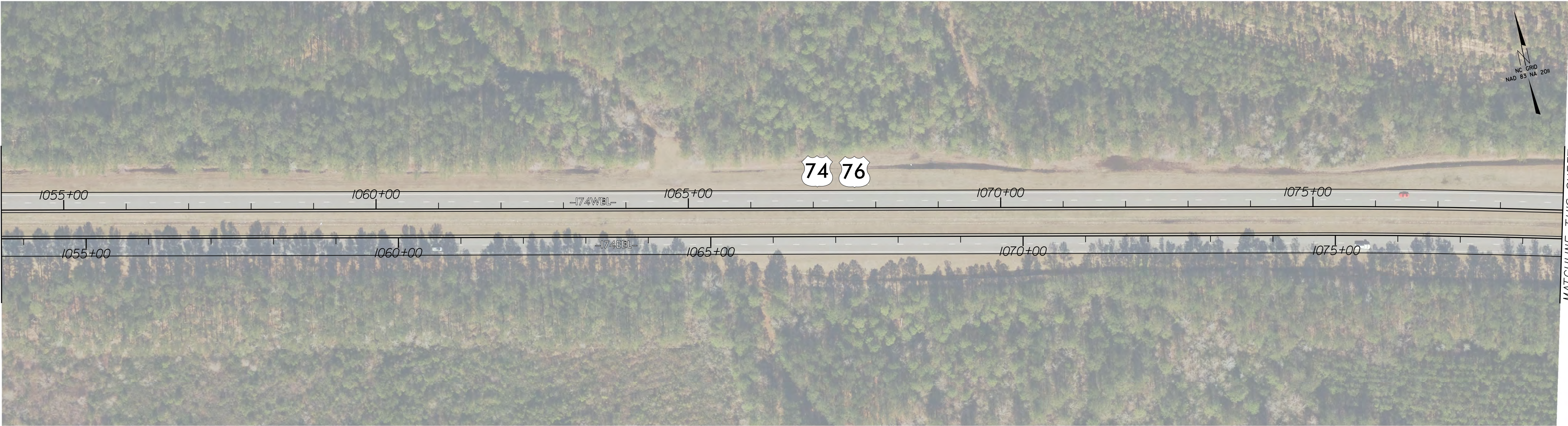
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Thigpen  
Matt Thigpen

MATCHLINE SHEET SIGN-19  
-I-74WBL- STA 1032+00.00



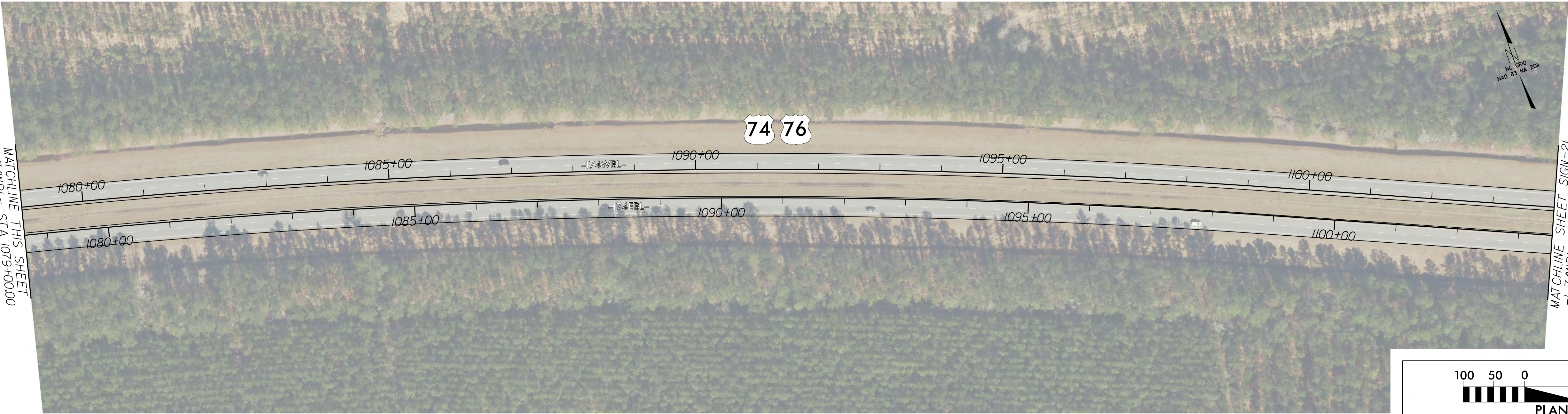
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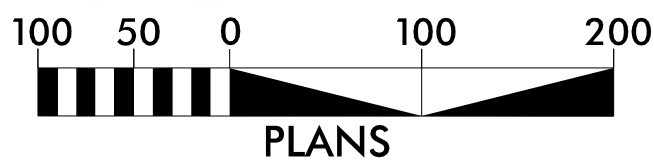


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-I-74WBL- STA 1079+00.00

MATCHLINE THIS SHEET  
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MATCHLINE SHEET SIGN-21  
-I-74WBL- STA 1104+00.00



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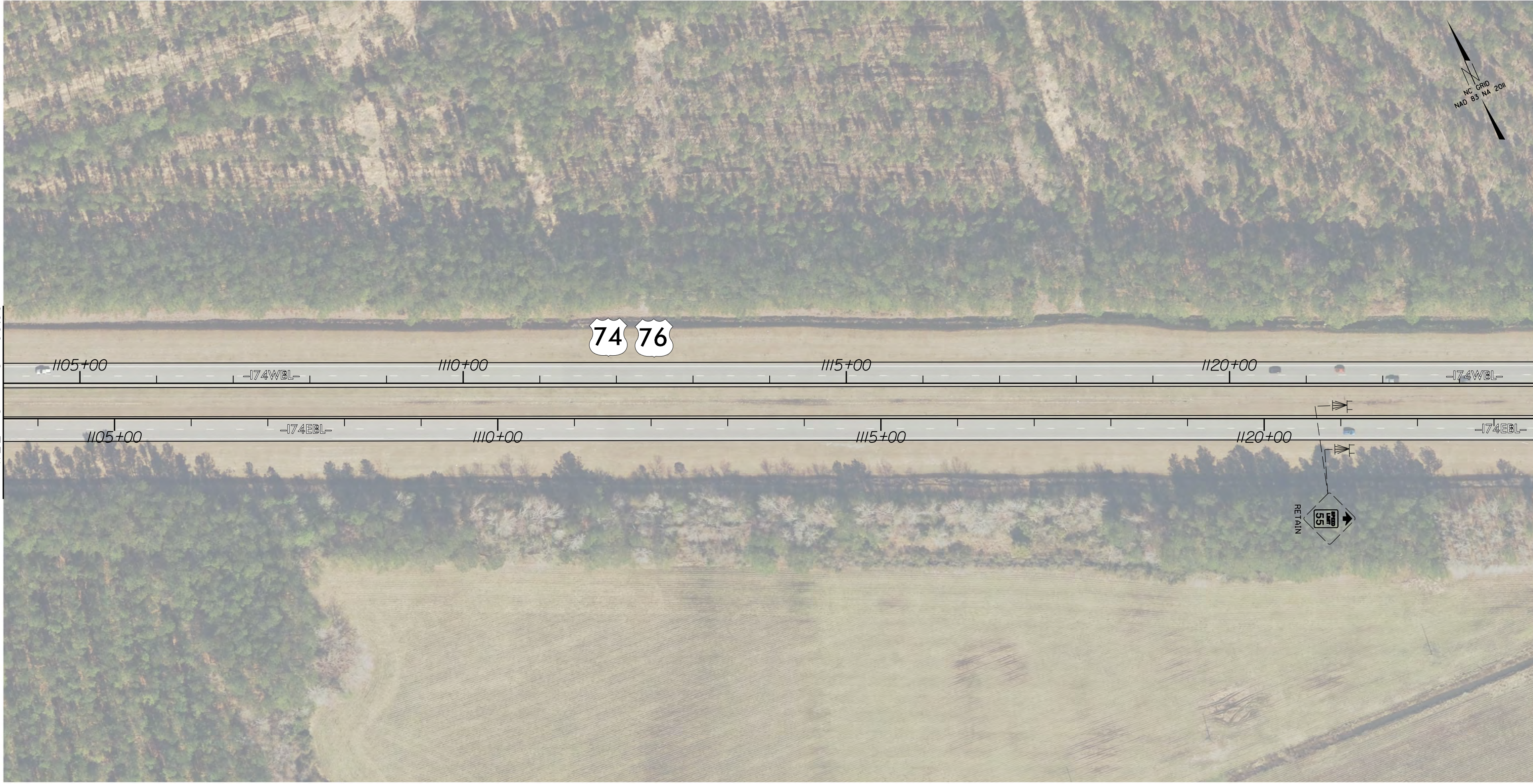


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07-NOV-2024 16:23  
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MATCHLINE SHEET SIGN-20  
-1-74WBL- STA 1104+00.00



MATCHLINE THIS SHEET  
-1-74WBL- STA 1124+00.00

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