

K:\VAB-RD\NY17093000 - R-5808 (US 158)\Traffic\Signing\CADD\R5808_TC_PMP_PSH_1.dgn

11/1/2024

T.I.P.: R-5808

CONTRACT: C204854

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

SIGNING AND PAVEMENT MARKING PLAN
GATES AND PASQUOTANK COUNTY

LOCATION: US 158 FROM THE INTERSECTION OF SR 1002 (ACORN HILL ROAD)
AND US 158 TO 0.27 MI. EAST OF THE PASQUOTANK COUNTY LINE

ROADWAY STANDARD DRAWING

THE FOLLOWING ROADWAY STANDARDS AS APPEAR IN "ROADWAY STANDARD DRAWINGS" -
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
903.20	MOUNTING OF TYPE 'D', 'E' AND 'F' SIGNS ON WOOD POSTS
904.10	ORIENTATION OF GROUND MOUNTED SIGNS
1205.01	PAVEMENT MARKINGS - LINE TYPES AND OFFSETS
1205.02	PAVEMENT MARKINGS - TWO-LANE AND MULTILANE ROADWAYS
1205.04	PAVEMENT MARKINGS - INTERSECTIONS
1205.08	PAVEMENT MARKINGS - SYMBOLS AND WORD MESSAGES
1250.01	RAISED PAVEMENT MARKERS - INSTALLATION SPACING
1251.01	RAISED PAVEMENT MARKERS - PERMANENT AND TEMPORARY
1261.01	GUARDRAIL AND BARRIER DELINEATORS - INSTALLATION SPACING
1261.02	GUARDRAIL AND BARRIER DELINEATORS - TYPES AND MOUNTING
1262.01	GUARDRAIL END DELINEATION

INDEX

SHEET NO.	DESCRIPTION
PMP-1	SIGNING AND PAVEMENT MARKING PLAN TITLE
PMP-1A	SIGNING AND PAVEMENT MARKING SCHEDULE
PMP-1B	TYPE "E" AND TYPE "F" SIGNS SHEET
PMP-1C	TYPE "D" SIGNS SHEET
PMP-2 TO PMP-20	SIGNING AND PAVEMENT MARKING DETAILS

SUMMARY OF QUANTITIES

ITEM NO.		ITEM DESCRIPTION	QUANTITY	UNIT
DESC. NO.	SECT. NO.			
4025000000	901	CONTRACTOR FURNISHED, TYPE D SIGN	14	S.F.
4025000000	901	CONTRACTOR FURNISHED, TYPE E SIGN	30	S.F.
4025000000	901	CONTRACTOR FURNISHED, TYPE F SIGN	7	S.F.
4082000000	903	SUPPORTS, WOOD	158	L.F.
4110000000	904	SIGN ERECTION, TYPE D (GROUND MOUNTED)	2	EA.
4110000000	904	SIGN ERECTION, TYPE E (GROUND MOUNTED)	6	EA.
4110000000	904	SIGN ERECTION, TYPE F (GROUND MOUNTED)	1	EA.
4116100000	904	SIGN ERECTION, RELOCATE TYPE D (GROUND MOUNTED)	2	EA.
4116100000	904	SIGN ERECTION, RELOCATE TYPE E (GROUND MOUNTED)	6	EA.
4237000000	907	STOCKPILE SIGN, D, E OR F	8	EA.
4688000000	1205	THERMOPLASTIC (6", 90 MILS)	68775	L.F.
4237000000	1205	THERMOPLASTIC (24", 90 MILS)	12	L.F.
4900000000	1251	PERMANENT RAISED PAVEMENT MARKERS	225	EA

PLAN REVIEWED BY: N.C.D.O.T. SIGNING AND DELINEATION UNIT

MITCH EATON, P.E.	SIGNING & DELINEATION REGIONAL ENGINEER
ANDREW SCOTT	SIGNING & DELINEATION PROJECT DESIGN ENGINEER



GENERAL NOTES

- THE FOLLOWING GENERAL NOTES APPLY AT ALL TIMES FOR THE DURATION OF THE CONSTRUCTION PROJECT, EXCEPT WHEN OTHERWISE NOTED IN THE PLAN, OR DIRECTED BY THE ENGINEER.
- A) INSTALL PAVEMENT MARKINGS AND PAVEMENT MARKERS ON THE FINAL SURFACE AS FOLLOWS:
- | ROAD NAME | MARKING | MARKER |
|-----------|---------------|-----------|
| US 158 | THERMOPLASTIC | PERMANENT |
- B) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.
- C) REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS AND MARKERS.
- D) STOP BAR LOCATION AT NON-SIGNALIZED INTERSECTIONS MAY BE ADJUSTED AS DIRECTED BY THE ENGINEER.
- E) REMOVE ALL RESIDUE AND SURFACE LAITANCE BY ACCEPTABLE METHODS ON CONCRETE BRIDGE DECKS PRIOR TO PLACING COLD APPLIED PLASTIC PAVEMENT MARKINGS.
- F) UNLESS OTHERWISE SPECIFIED, HEATED-IN-PLACE THERMOPLASTIC MAY BE USED IN LIEU OF EXTRUDED THERMOPLASTIC FOR STOP BARS, SYMBOLS, CHARACTERS AND DIAGONALS. IF HEATED-IN-PLACE IS USED, IT SHALL BE PAID FOR USING THE EXTRUDED THERMOPLASTIC PAY ITEM.
- G) UNLESS OTHERWISE SPECIFIED, HEATED-IN-PLACE THERMOPLASTIC MAY BE USED IN LIEU OF COLD APPLIED PLASTIC FOR STOP BARS, SYMBOLS, CHARACTERS AND DIAGONALS ON ASPHALT OR CONCRETE ROADWAYS. IF HEATED-IN-PLACE IS USED, IT SHALL BE PAID FOR USING THE COLD APPLIED PLASTIC PAY ITEM.
- H) SIGNS FURNISHED BY CONTRACTOR.
- I) ALL TYPE 'D' SIGNS SHALL BE MOUNTED ON TWO U-CHANNEL POSTS UNLESS OTHERWISE INDICATED ON THE PLANS.
- J) IF REMOVAL OR RELOCATION OF SIGNS ON PRIVATE STREET (NON-STATE MAINTAINED) IS REQUIRED DUE TO CONSTRUCTION, THE CONTRACTOR SHALL INFORM THE ENGINEER. THE WORK WILL BE COMPLETED BY OTHERS.
- K) WHEN NOT STATIONED OR DIMENSIONED ON PLANS, ALL 'E' AND 'F' SIGNS SHALL BE FIELD LOCATED BY THE ENGINEER
- L) ALL EXISTING SIGNS ON "U" CHANNEL POST WITHIN THE PROJECT LIMITS SHALL BE REMOVED AND DISPOSED OF UNLESS OTHERWISE NOTED ON PLANS.
- M) WHEN EXISTING SIGNS ARE REMOVED AND INSTALLED ON NEW SUPPORTS, THE RE-ERECTION SHALL IMMEDIATELY FOLLOW THE REMOVAL.
- N) THE BACKGROUND FOR TYPE E & F SIGNS SHALL BE TYPE C REFLECTIVE SHEETING.
- O) DO NOT BEGIN FABRICATION FOR TYPES A & B SIGNS MOUNTED ON OVERHEAD STRUCTURES OR STEEL SUPPORTS UNTIL "S" DIMENSIONS HAVE BEEN FIELD VERIFIED
- P) SEE ROADWAY PLANS FOR GUARD/GUIDE RAIL DETAILS.

PLAN PREPARED BY: Kimley-Horn and Associates

Vince Riccio, P.E.	PROJECT DESIGN ENGINEER
Brandon Gregg	DESIGNER

Kimley»Horn

TIP NO.
R-5808

SHEET NO.
PMP-1

SEAL

055728

ENGINEER
VINCENT E. RICCIO

11/1/2024

TIP NO.
R-5808

SHEET NO.
PMP-1A

Kimley»Horn

4525 MAIN STREET, SUITE 1000
VIRGINIA BEACH, VA 23462

Deposited by:
Vincent E. Riccio
Professional Engineer
Seal No. 6EEB43E1B439
053728
ENGINEER
VINCENT E. RICCIO

9/6/2024

PAVEMENT
MARKING SCHEDULE

SYMBOL	DESCRIPTION	FINAL PAVEMENT MARKINGS
T6	WHITE SOLID EDGE LINE	THERMOPLASTIC(6", 90 MILS)
TF TI	10 FT. YELLOW SKIP YELLOW DOUBLE CENTER	THERMOPLASTIC(6", 90 MILS)
T2	WHITE STOPBAR	THERMOPLASTIC(24", 90 MILS)
MA	YELLOW & YELLOW	PERMANENT RAISED PAVEMENT MARKER

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9/6/2024



1. DO NOT DISTURB EXISTING SIGN
2. SIGN ERECTION, RELOCATE SIGN TYPE D (GROUND MOUNTED)
3. SIGN ERECTION, RELOCATE SIGN TYPE E (GROUND MOUNTED)
4. STOCKPILE SIGN SYSTEM, U-CHANNEL

Kimley»Horn

4525 MAIN STREET, SUITE 1000
VIRGINIA BEACH, VA 23462

TIP NO.
R-5808

SHEET NO.
PMP-3

APPROVED:

DATE:

SEAL

Professional Engineer
Vincent E. Riccio
6007283EDM34
6007283EDM34

9/6/2024

The diagram shows a plan view of US Route 158, a two-lane road with a center turn lane. The road is oriented horizontally, with stationing increasing from left to right. Key features include:

- Stationing:** The diagram spans from station 20 to 30. Specific station markers include PC Sta. 20+02.93, PRC Sta. 23+19.49, PT Sta. 26+29.75, and -L- STA 24+28.
- Signage:** Two 'EAST 158' signs are shown. One is at station 24+28, and another is at station 22+95. A 'STOP' sign is located at station 22+95. A '401' shield is also present near the stop sign.
- Matchlines:** The left matchline is at station 20+00.00, and the right matchline is at station 33+00.00. Both refer to plan sheets PMP-2 and PMP-4.
- Notes:** A note at station 22+95 states: 'THE CONTRACTOR SHALL COORDINATE WITH NCDOT DIVISION I TRAFFIC FOR THE RELOCATION OF THE BEACON AND ASSOCIATED POWER SUPPLY'. Another note at station 24+28 says 'SEE NOTE 4'.
- Other Features:** A north arrow points towards the top left, labeled 'NAD 83 NSRS 2007'. A vertical line at station 26+29.75 is labeled 'PT Sta. 26+29.75'. A '6' foot wide area is indicated at the bottom left.

PROJECT NOTES

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3. SIGN ERECTION, RELOCATE SIGN TYPE E (GROUND MOUNTED)

4. STOCKPILE SIGN SYSTEM, U-CHANNEL

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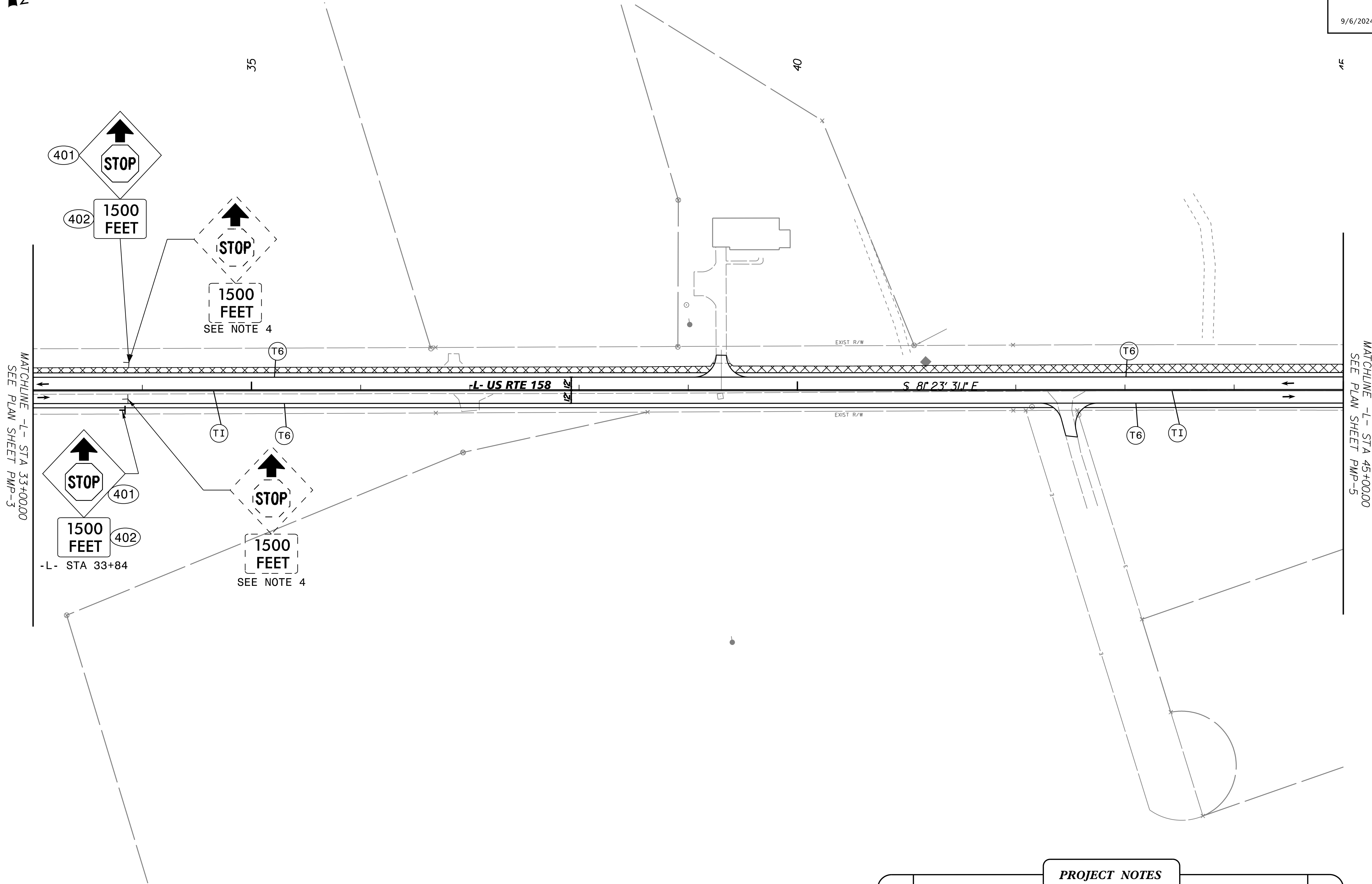
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DATE: _____

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9/6/2024

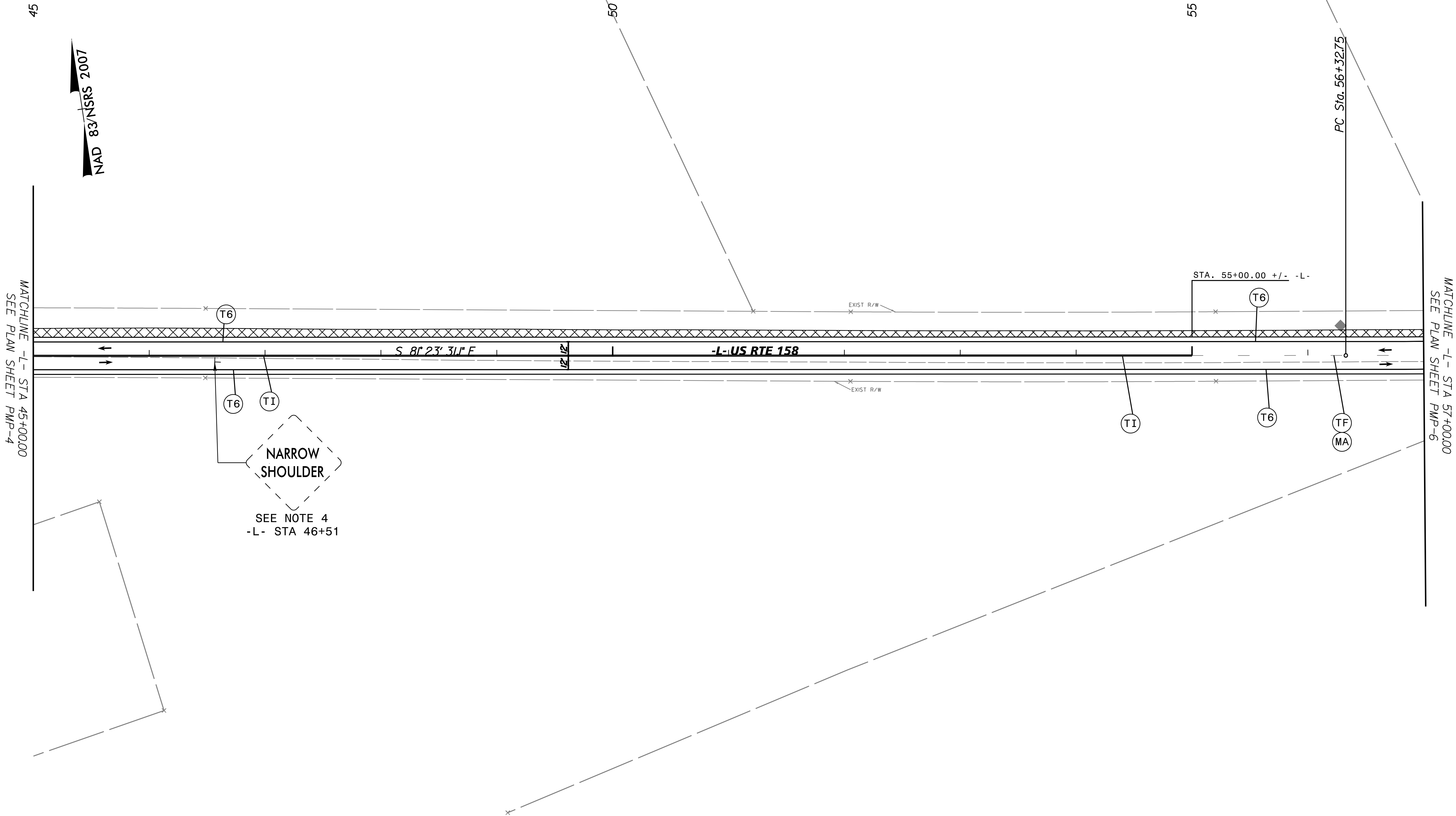


PROJECT NOTES

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4525 MAIN STREET, SUITE 1000
VIRGINIA BEACH, VA 23462

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9/6/2024

TIP NO.
R-5808

SHEET NO.
PMP-5

PROJECT NOTES

1. DO NOT DISTURB EXISTING SIGN

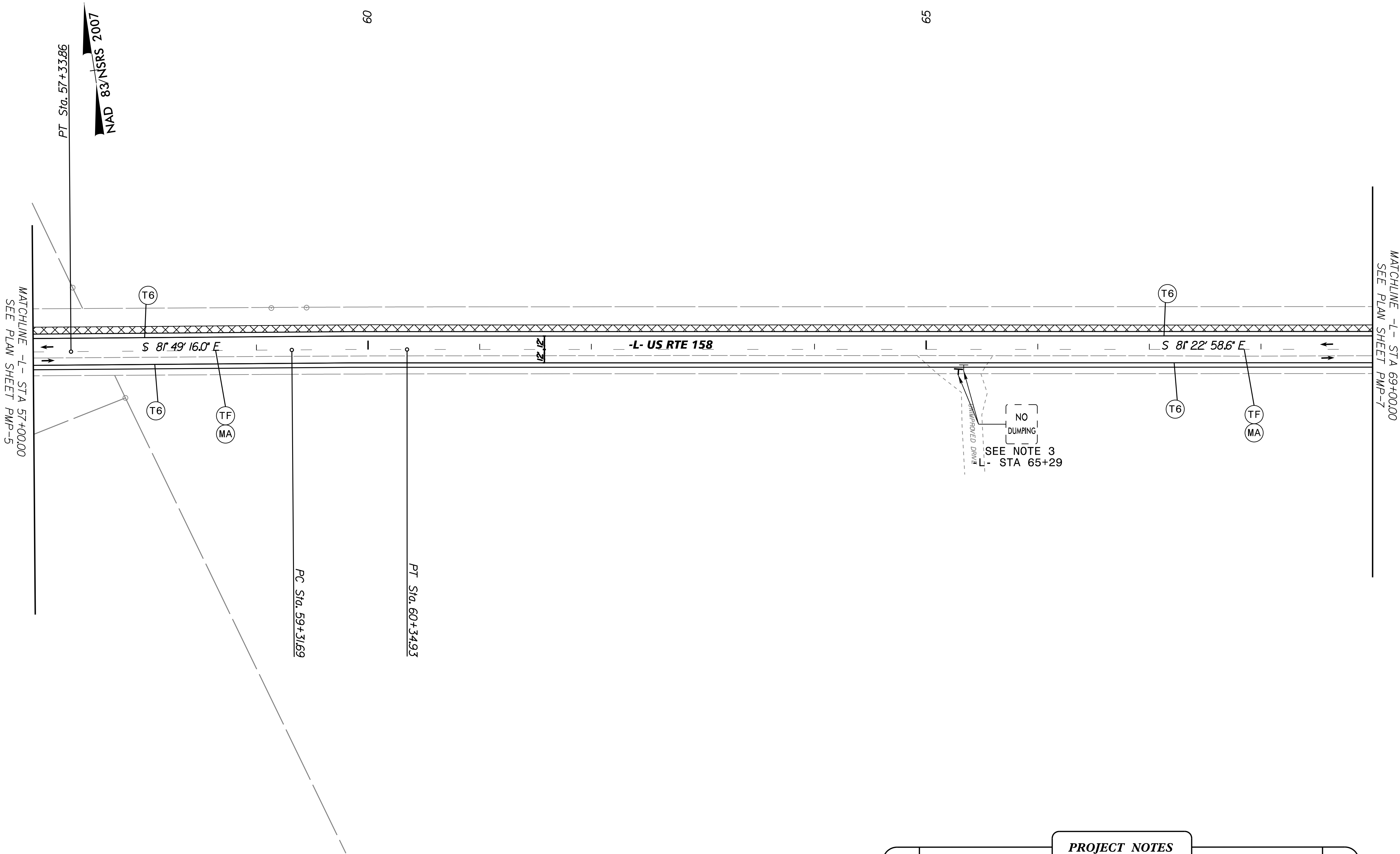
2. SIGN ERECTION, RELOCATE SIGN TYPE D (GROUND MOUNTED)

3. SIGN ERECTION, RELOCATE SIGN TYPE E (GROUND MOUNTED)

4. STOCKPILE SIGN SYSTEM, U-CHANNEL

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9/6/2024



PROJECT NOTES

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4. STOCKPILE SIGN SYSTEM, U-CHANNEL

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4525 MAIN STREET, SUITE 1000
VIRGINIA BEACH, VA 23462

TIP NO.
R-5808

SHEET NO.
PMP-6

APPROVED: _____

DATE: _____

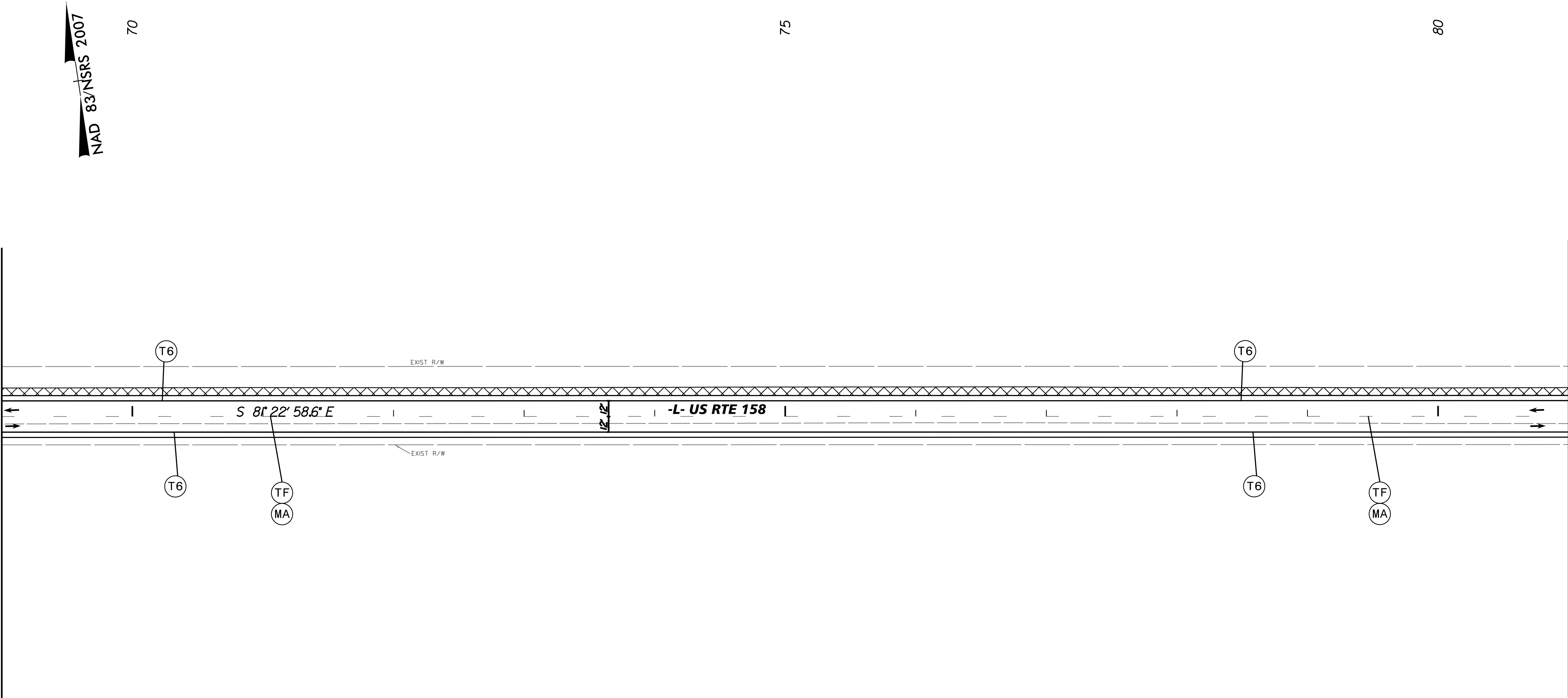
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9/6/2024

MATCHLINE -L- STA 69+00.00
SEE PLAN SHEET PMP-6



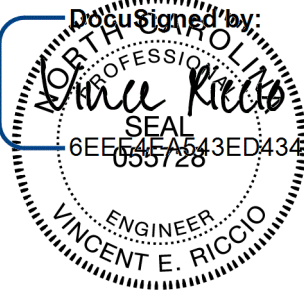
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4525 MAIN STREET, SUITE 1000
VIRGINIA BEACH, VA 23462

TIP NO.
R-5808

SHEET NO.
PMP-7

APPROVED: _____

DATE: _____

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PROJECT NOTES

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2. SIGN ERECTION, RELOCATE SIGN TYPE D (GROUND MOUNTED)
3. SIGN ERECTION, RELOCATE SIGN TYPE E (GROUND MOUNTED)
4. STOCKPILE SIGN SYSTEM, U-CHANNEL

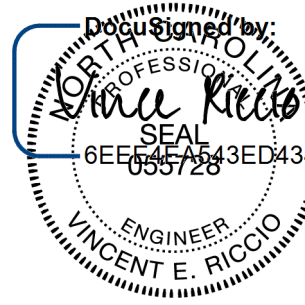
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1. DO NOT DISTURB	EXISTING SIGN
2. SIGN ERECTION,	RELOCATE SIGN TYPE D (GROUND MOUNTED)
3. SIGN ERECTION,	RELOCATE SIGN TYPE E (GROUND MOUNTED)
4. STOCKPILE SIGN	SYSTEM, U-CHANNEL

PROJECT NOTES	
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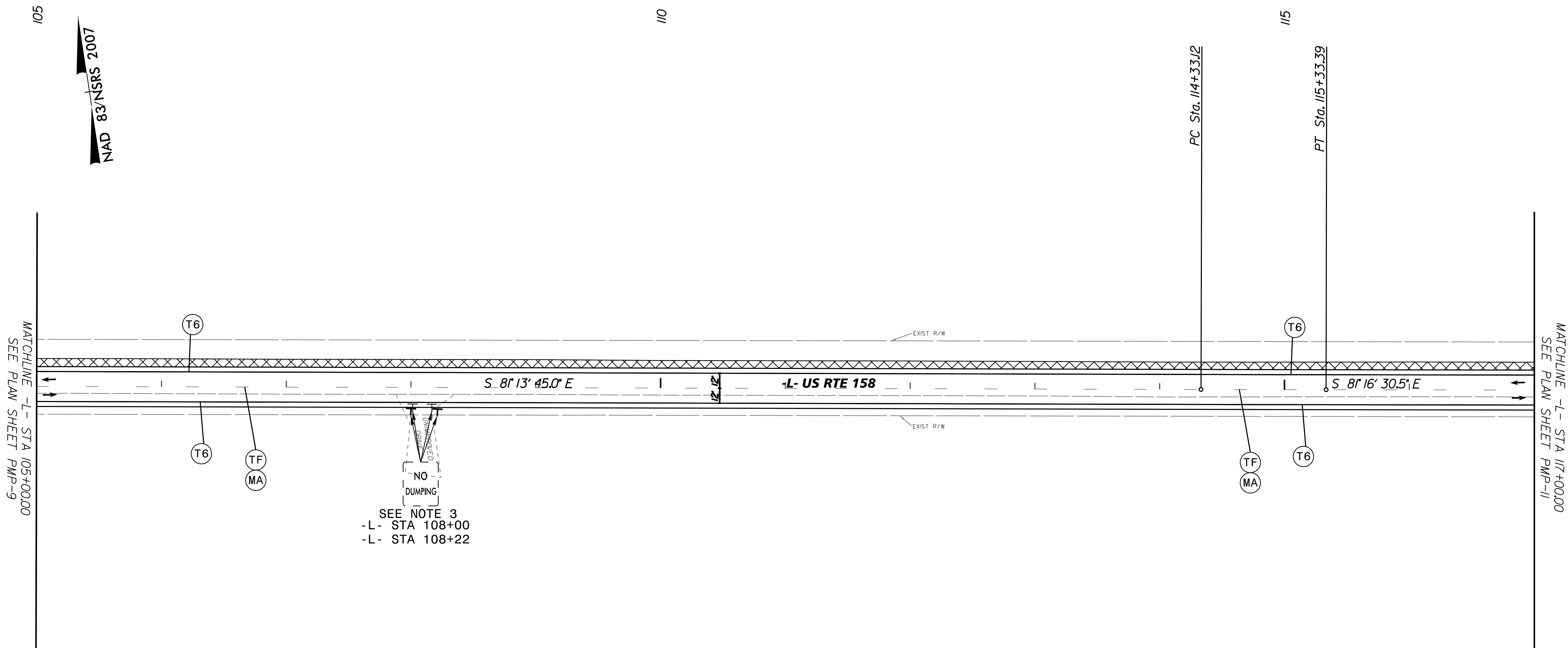
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DATE: _____

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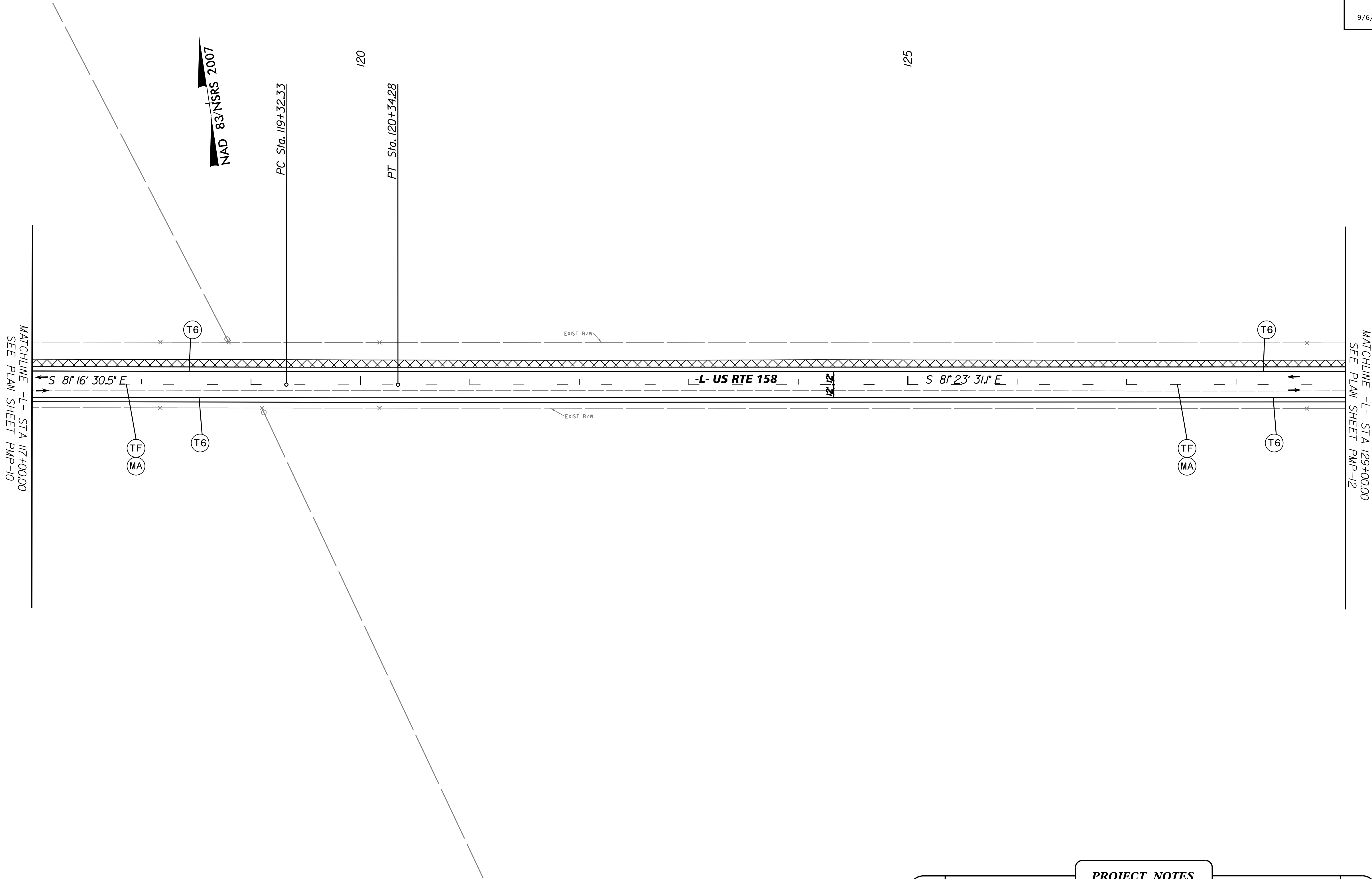


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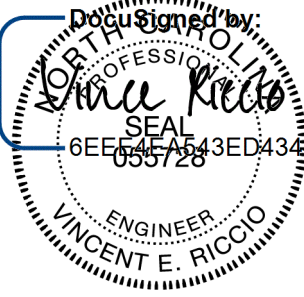
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VIRGINIA BEACH, VA 23462

TIP NO.
R-5808

SHEET NO.
PMP-11

APPROVED: _____

DATE: _____

SEAL

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- PROJECT NOTES
1. DO NOT DISTURB EXISTING SIGN

2. SIGN ERECTION, RELOCATE SIGN TYPE D (GROUND MOUNTED)

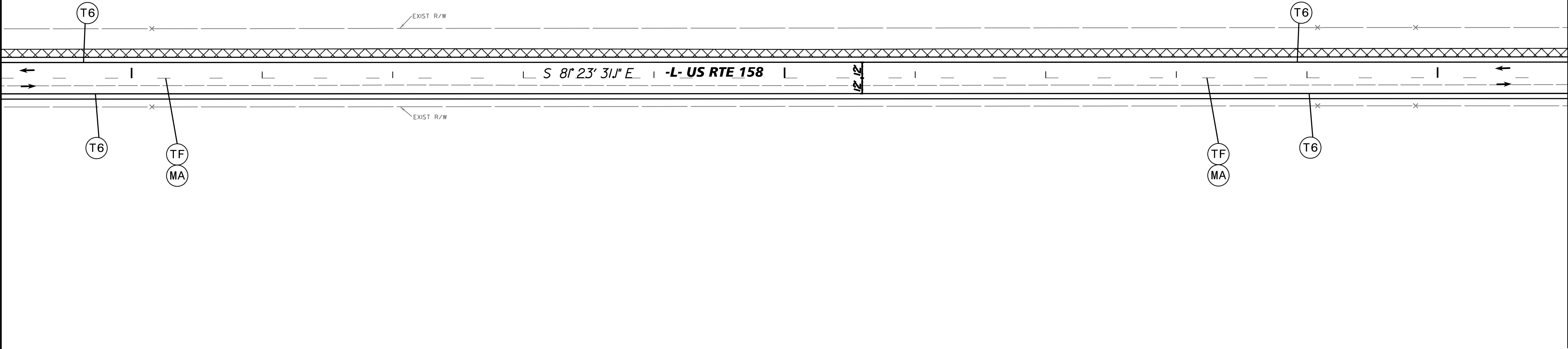
3. SIGN ERECTION, RELOCATE SIGN TYPE E (GROUND MOUNTED)

4. STOCKPILE SIGN SYSTEM, U-CHANNEL

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MATCHLINE -L- STA 129+00.00
SEE PLAN SHEET PMP-11



MATCHLINE -L- STA 141+00.00
SEE PLAN SHEET PMP-13

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TIP NO.
R-5808

SHEET NO.
PMP-12

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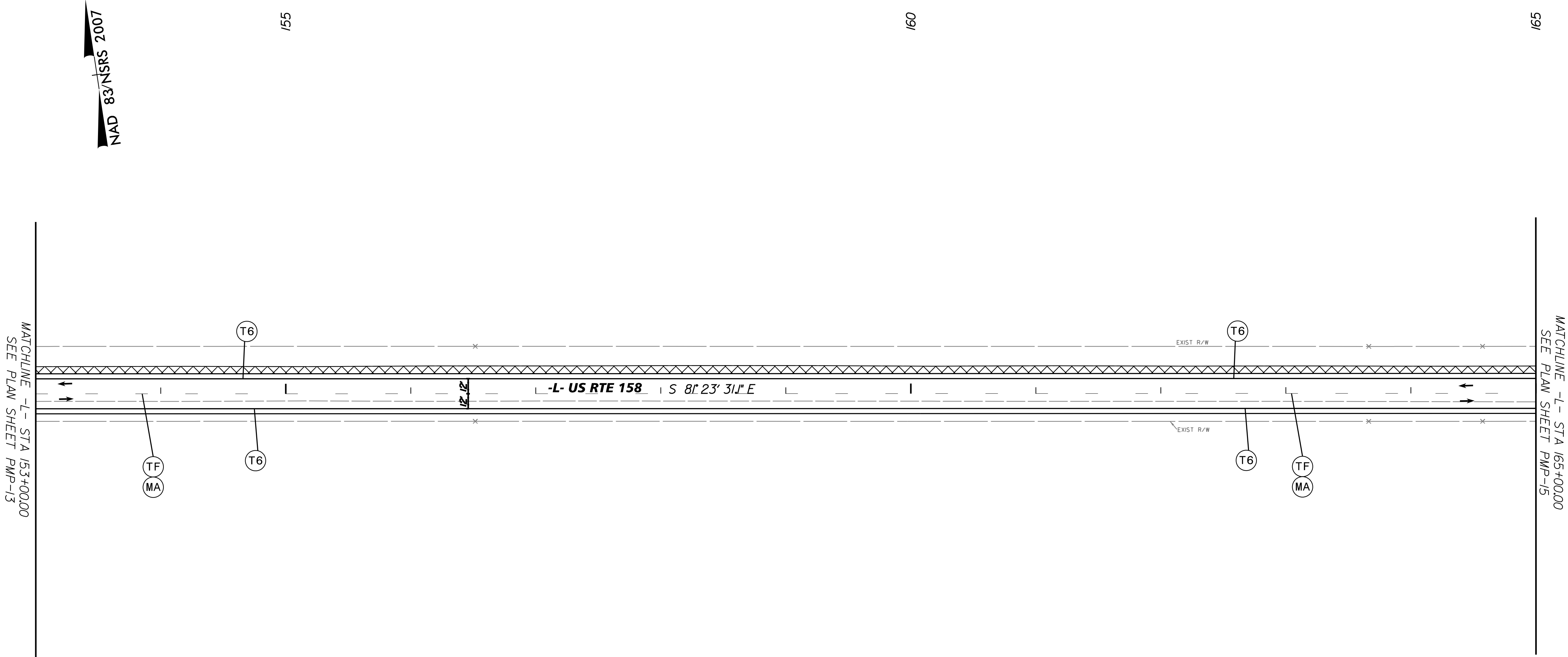
DATE: _____

Professional Seal of Vincent E. Riccio, Engineer, State of Virginia, License No. 6665728

9/6/2024

PROJECT NOTES

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2. SIGN ERECTION, RELOCATE SIGN TYPE D (GROUND MOUNTED)
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NAD 83/NSRS 2007

SEE NOTE 1

170

175

MATCHLINE -L- STA 165+00.00
SEE PLAN SHEET PMP-14

8° 36' 28.9" E

-L- US RTE 158

S 87° 23' 31.4" E

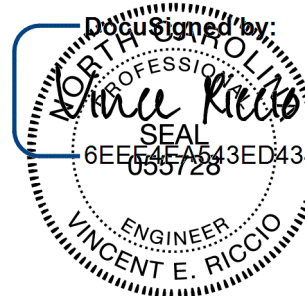
MATCHLINE -L- STA 177+00.00
SEE PLAN SHEET PMP-16

1. DO NOT DISTURB EXISTING SIGN
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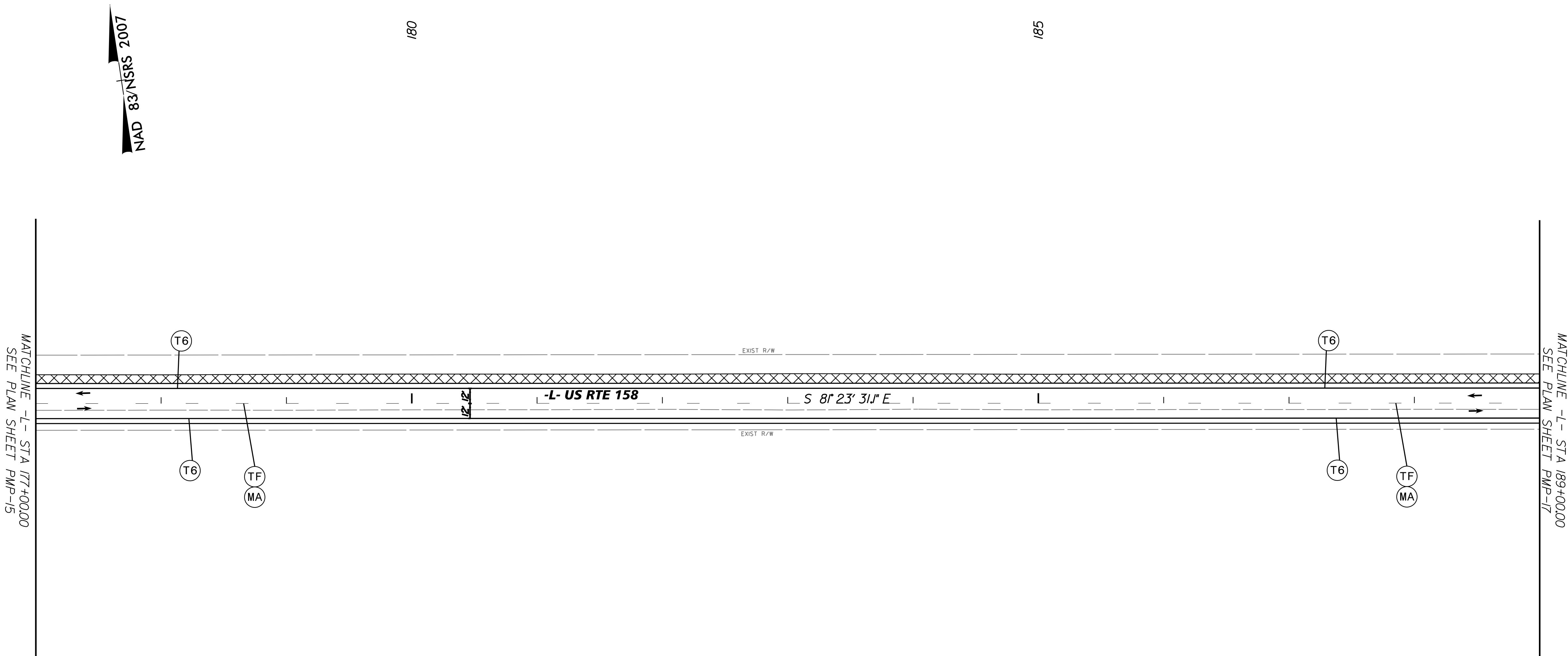
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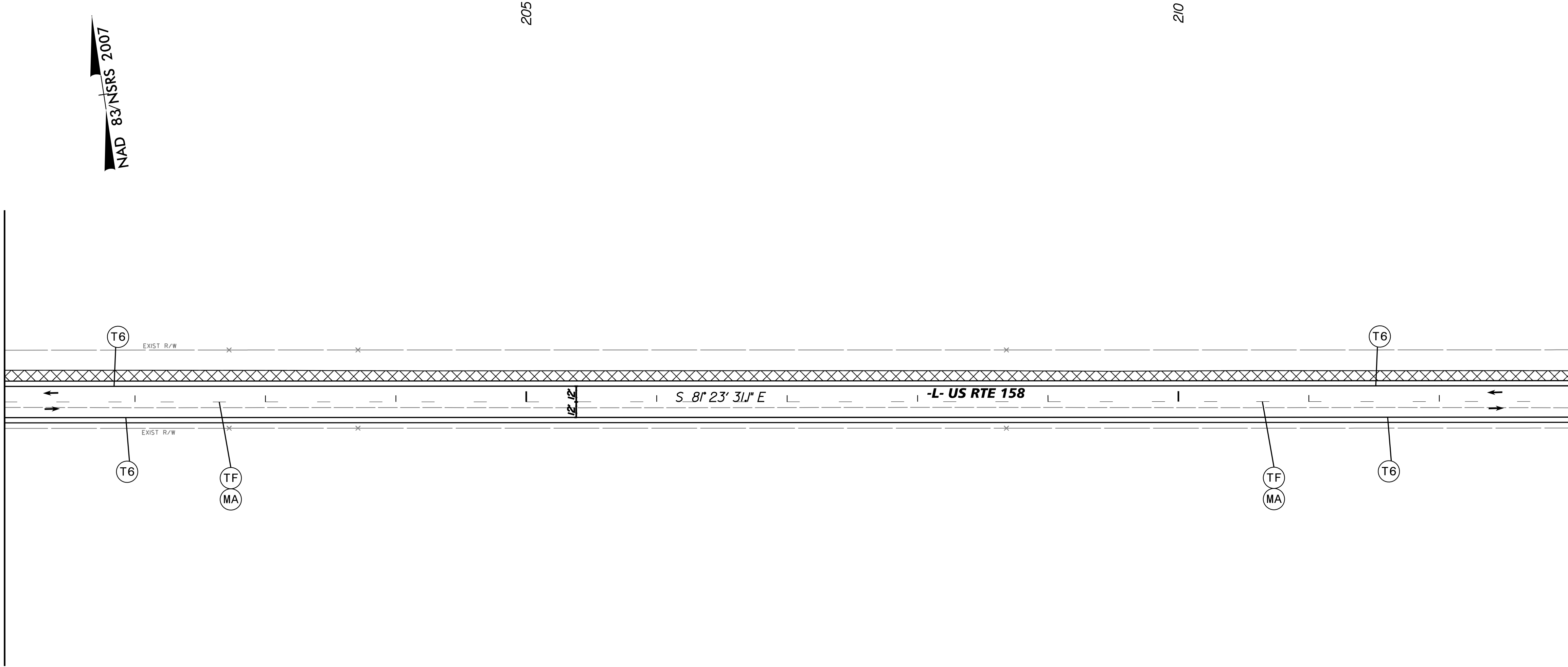
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PROJECT NOTES	
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MATCHLINE -L- STA 201+00.00
SEE PLAN SHEET PMP-17



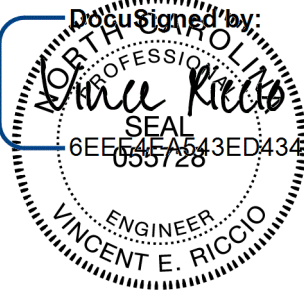
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VIRGINIA BEACH, VA 23462

TIP NO.
R-5808

SHEET NO.
PMP-18

APPROVED: _____

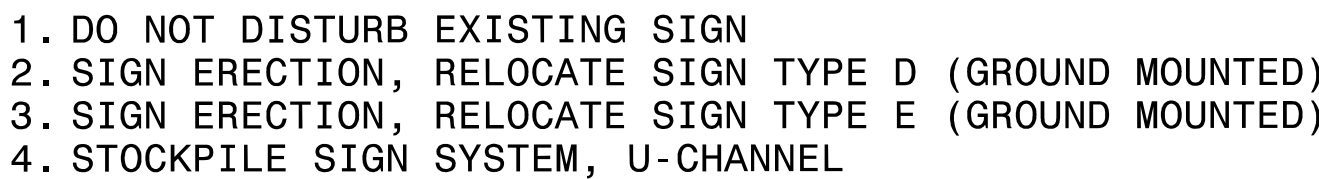
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PROJECT NOTES

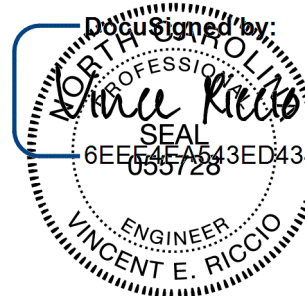
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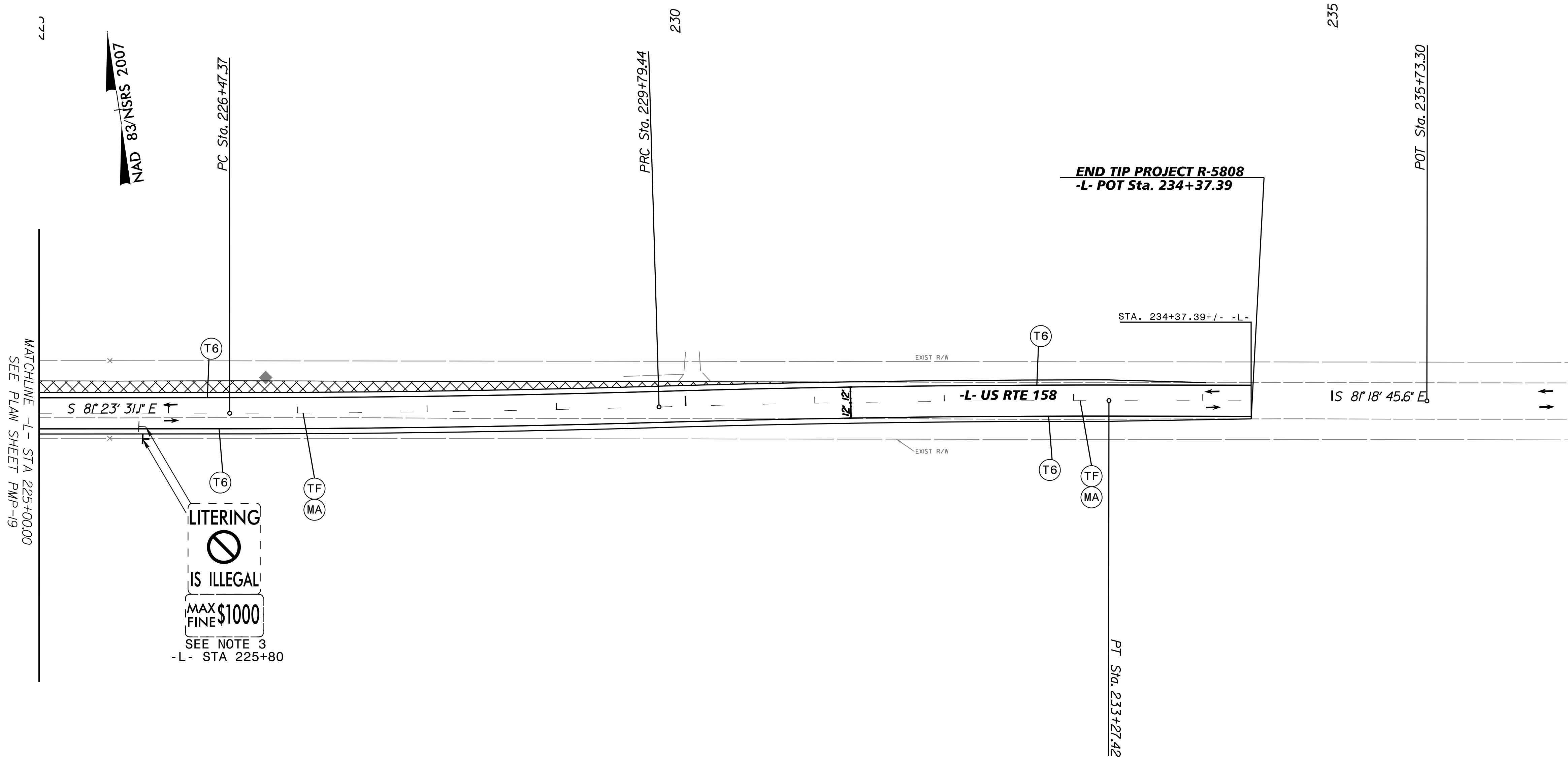
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PROJECT NOTES

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