

T.I.P.: B-5831

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING PLAN
YADKIN & SURRY COUNTY

LOCATION: REPLACE BRIDGE NO. 6 OVER YADKIN RIVER,
NORFOLK SOUTHERN RAILROAD, AND NC 268 ON I-77 NBL

TIP NO.	SHEET NO.
B-5831	PMP - 1
APPROVED: Don A. Parker	
DATE: 9/9/2025	
SEAL	
Seal of Don A. Parker, Professional Engineer, Seal 043251, State of North Carolina	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

INDEX

SHEET NO.	DESCRIPTION
PMP - 1	PAVEMENT MARKING PLAN TITLE, SCHEDULE SHEET, INDEX OF SHEETS, LIST OF APPLICABLE ROADWAY STANDARD DRAWINGS, GENERAL NOTES, AND FINAL PAVEMENT MARKING SCHEDULE
PMP - 1A	REVISED NCDOT ROADWAY STANDARD DRAWING
PMP - 2-5	PAVEMENT MARKING DETAIL

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
1205.01	PAVEMENT MARKINGS - LINE TYPES AND OFFSETS
1205.02	PAVEMENT MARKINGS - TWO-LANE AND MULTILANE ROADWAYS
1205.12	PAVEMENT MARKINGS - BRIDGES
1250.01	RAISED PAVEMENT MARKERS - INSTALLATION SPACING
1251.01	RAISED PAVEMENT MARKERS - PERMANENT AND TEMPORARY
1253.01	RAISED PAVEMENT MARKERS - SNOWPLOWABLE
1261.01	GUARDRAIL AND BARRIER DELINEATORS - INSTALLATION SPACING
1261.02	GUARDRAIL AND BARRIER DELINEATORS - TYPES AND MOUNTING
1262.01	GUARDRAIL END DELINEATION

GENERAL NOTES

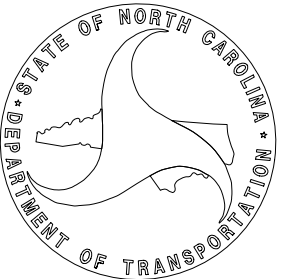
- THE FOLLOWING GENERAL NOTES APPLY AT ALL TIMES FOR THE DURATION OF THE CONSTRUCTION PROJECT, EXCEPT WHEN OTHERWISE NOTED IN THE PLAN, OR DIRECTED BY THE ENGINEER.
- A) INSTALL PAVEMENT MARKINGS AND PAVEMENT MARKERS ON THE FINAL SURFACE AS FOLLOWS:
- | ROAD NAME | MARKING | MARKER |
|------------------------|---------------|--------------------------------|
| -L- I-77 | POLYUREA | POLYCARBONATE H-SHAPED MARKERS |
| -L- I-77 (BRIDGE DECK) | POLYUREA | RAISED PAVEMENT MARKERS |
| -Y2- NC 268 | THERMOPLASTIC | POLYCARBONATE H-SHAPED MARKERS |
- B) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.
- C) REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS AND MARKERS.
- D) PASSING ZONES WILL BE DETERMINED IN THE FIELD AND MUST BE APPROVED BY THE ENGINEER.
- E) REMOVE ALL RESIDUE AND SURFACE LAITANCE BY ACCEPTABLE METHODS ON CONCRETE BRIDGE DECKS PRIOR TO PLACING POLYUREA PAVEMENT MARKING MATERIAL.
- 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 PAY ITEM.
- H) TYPE III COLD APPLIED PLASTIC MAY BE USED IN LIEU OF TYPE II COLD APPLIED PLASTIC. IF TYPE III COLD APPLIED PLASTIC IS USED, IT SHALL BE PAID FOR USING THE TYPE II COLD APPLIED PLASTIC PAY ITEM.

FINAL PAVEMENT MARKING
SCHEDULE

SYMBOL	DESCRIPTION
PAVEMENT MARKINGS	
THERMOPLASTIC (4",90 MILS)	
T1	(4") WHITE EDGELINE
T13	(4") YELLOW DOUBLE CENTER
THERMOPLASTIC SYMBOLS (90 MILS)	
T79	MERGE ARROW
POLYUREA (6",30 MILS)	
W20	(6") WHITE EDGELINE
W22	(6") 10 FT. WHITE SKIP
W23	(6") 3 FT.-9 FT./SP WHITE MINISKIP
W30	(6") YELLOW EDGELINE
POLYUREA (12", 30 MILS)	
W50	WHITE GORELINE
PAVEMENT MARKERS	
MB	PERMANENT RAISED CRYSTAL & RED
ME	POLYCARBONATE H-SHAPED YELLOW & YELLOW
MF	POLYCARBONATE H-SHAPED CRYSTAL & RED

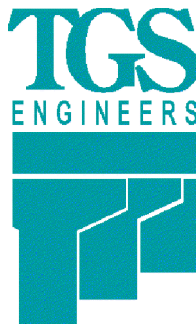
PLAN SUBMITTED TO: NCDOT

DAVID STUTTS, P.E. PROJECT ENGINEER - PEF/PROGRAM MGT.



PLAN PREPARED BY: TGS ENGINEERS

DON A. PARKER, P.E. PROJECT ENGINEER
CODA BRANNAN, E.I. DESIGN ENGINEER

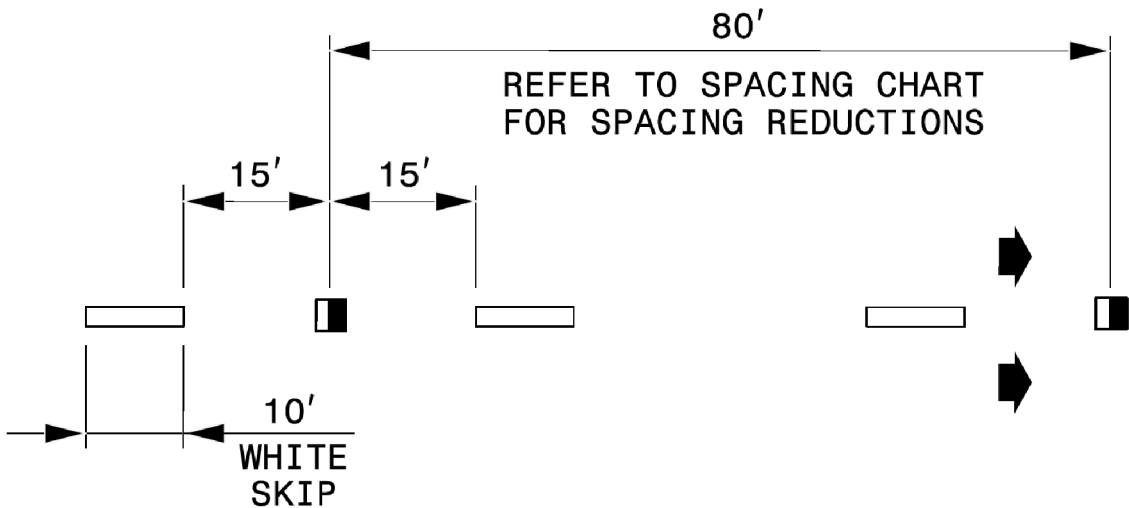


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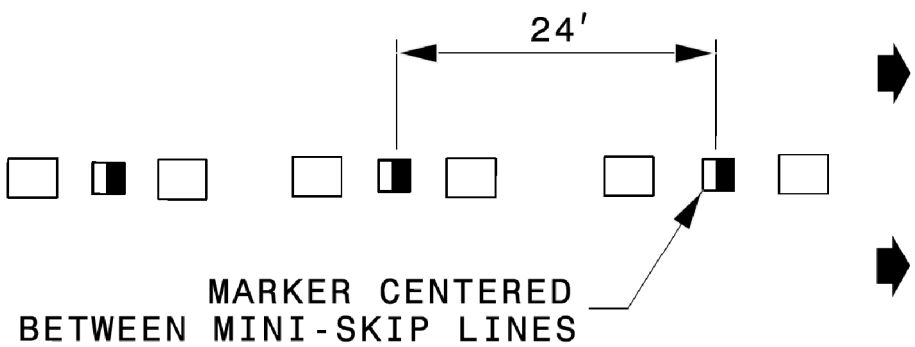
TIP NO.	SHEET NO.
B-5831	PMP-1A

PROJECT REFERENCE NO.	SHEET NO.

10'-30'/SP SKIP LINE



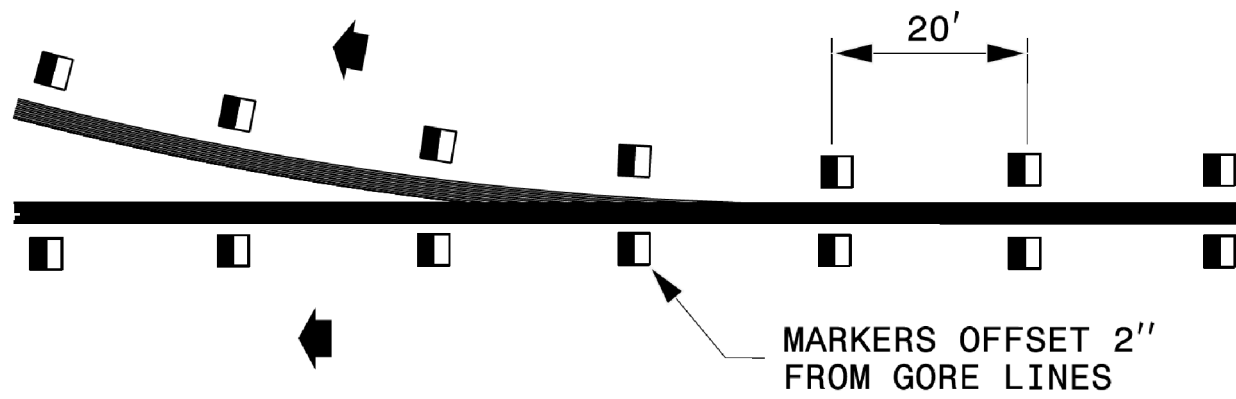
3'-9'/SP MINI-SKIP LINE



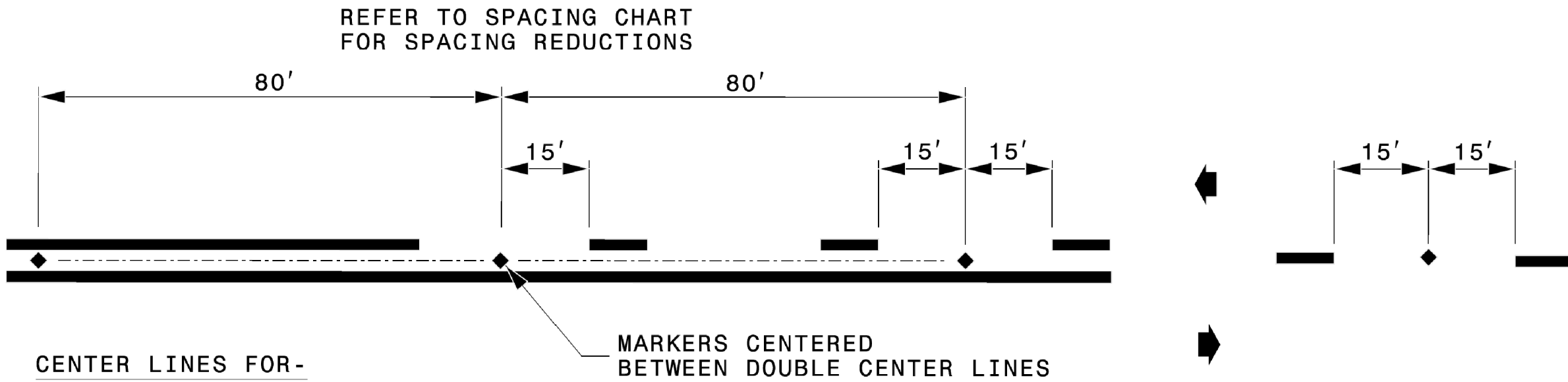
LEGEND

- CRYSTAL/RED PAVEMENT MARKER
- YELLOW/YELLOW PAVEMENT MARKER
- DIRECTION OF TRAFFIC FLOW

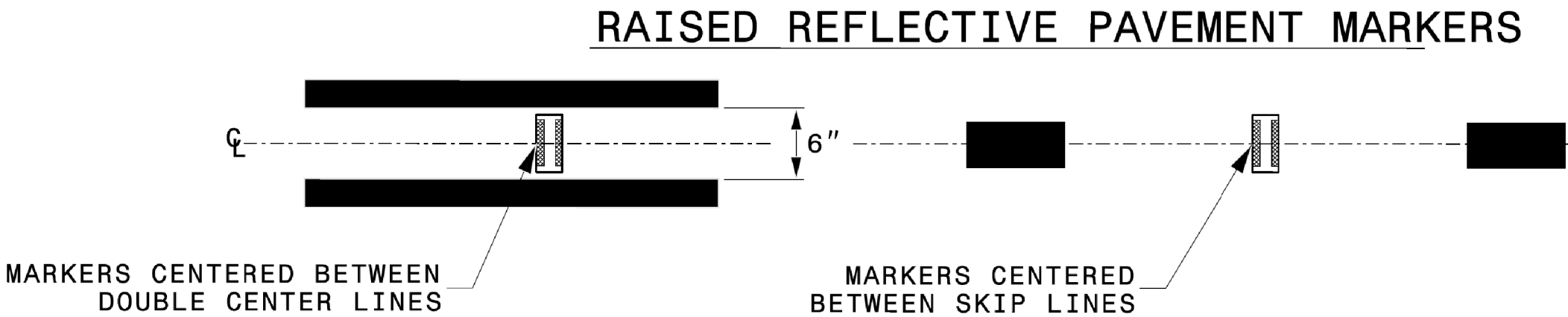
GORE LINES



YELLOW CENTER LINES

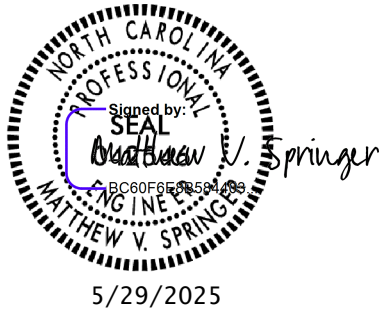


DETAIL OF PAVEMENT MARKER PLACEMENT



STATE OF
NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

ROADWAY DETAIL DRAWING FOR
RAISED PAVEMENT MARKERS
INSTALLATION SPACING



SHEET 2 OF 3

1250D01

CONTRACTS STANDARDS
AND DEVELOPMENT UNIT
Office 919-707-8950 FAX 919-250-4119

SEE TITLE BLOCK

ORIGINAL BY: M.V. SPRINGER DATE: 2-15-24
MODIFIED BY: DATE:
CHECKED BY: DATE:
FILE SPEC.:

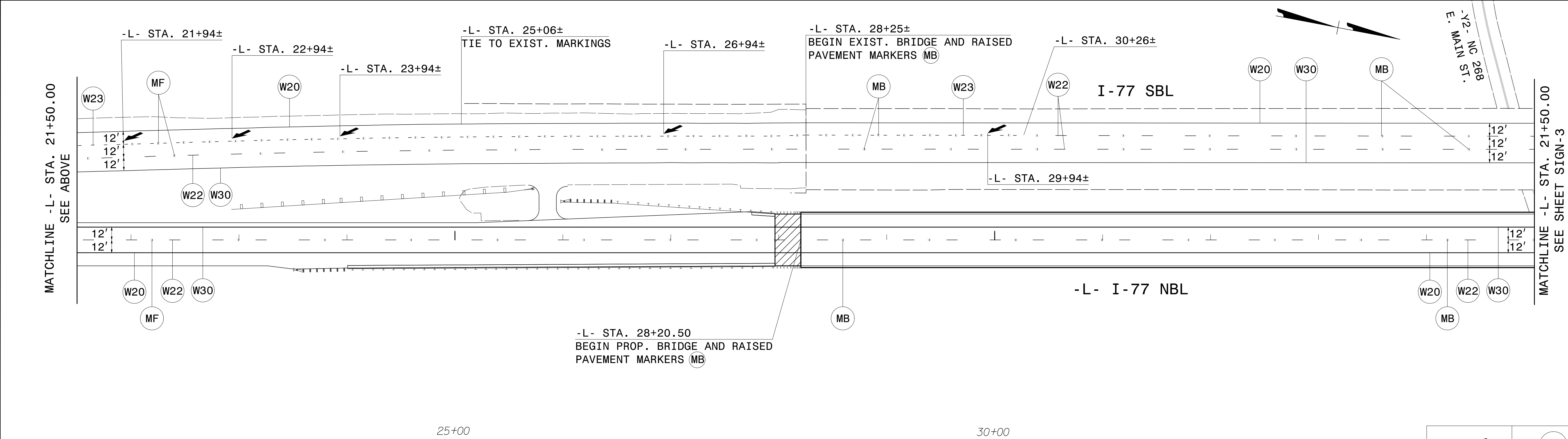
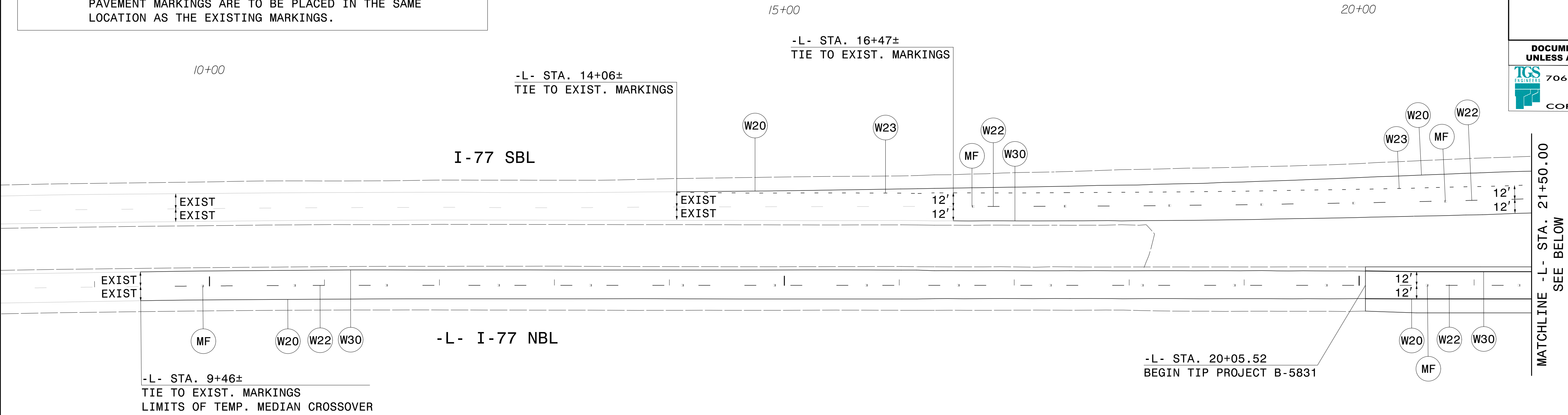
**RAISED PAVEMENT MARKERS
INSTALLATION SPACING**

NOTE: SEE RSD 1250.01 SHEET 1-3 FOR RAISED PAVEMENT MARKER INSTALLATION SPACING.

PROPOSED PAVEMENT MARKINGS ON THE SOUTHBOUND SIDE ARE TO REPLACE EXISTING PAVEMENT MARKING TO THE EXTENT OF THE TRANSPORTATION MANAGEMENT PLAN.

CONTRACTOR SHALL BE RESPONSIBLE FOR DOCUMENTING THE EXISTING TYPE AND LOCATION OF PAVEMENT MARKINGS ON THE SOUTHBOUND SIDE PRIOR TO REPLACEMENT. PROPOSED PAVEMENT MARKINGS ARE TO BE PLACED IN THE SAME LOCATION AS THE EXISTING MARKINGS.

TIP NO.	SHEET NO.
B-5831	PMP-2
APPROVED: Don A. Parker Professional Engineer 043251 5/29/2025	
DATE: 5/29/2025	
SEAL	
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TGS ENGINEERS 706 HILLSBOROUGH STREET (SUITE 200) RALEIGH, NC 27603 PH (919) 773-8887 CORP. LICENSE NO.: C-0275	

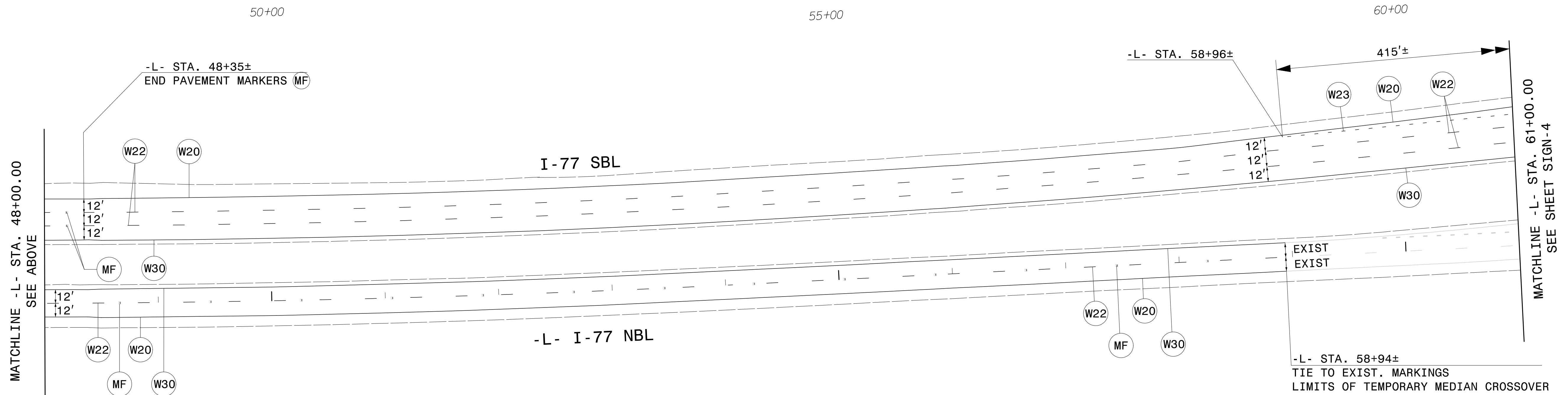
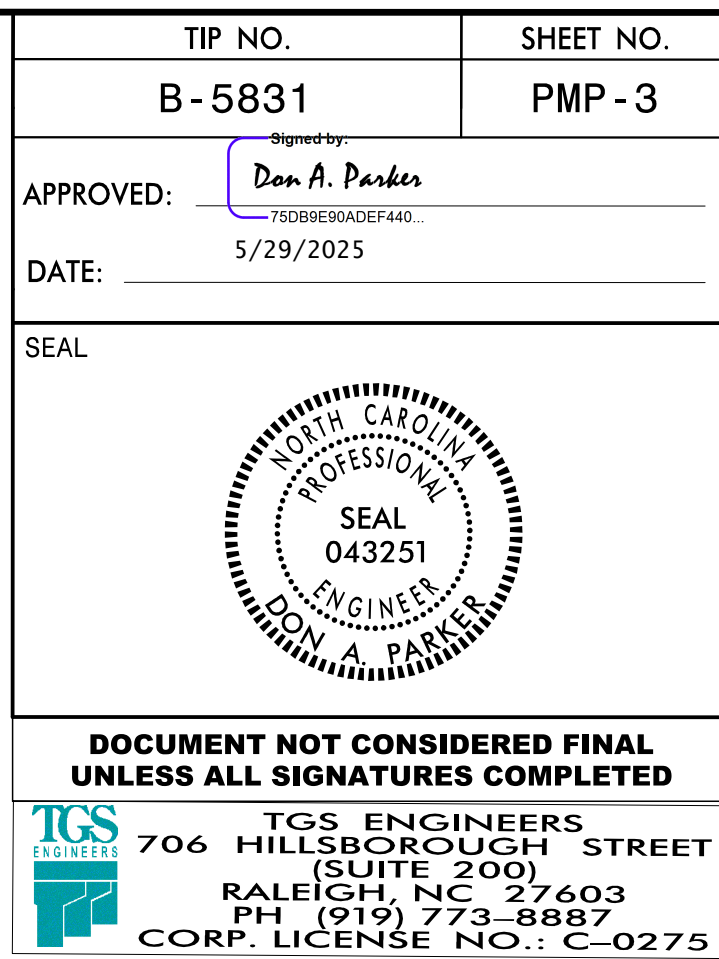


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PAVEMENT MARKING DETAIL

CONTRACTOR SHALL BE RESPONSIBLE FOR DOCUMENTING THE EXISTING TYPE AND LOCATION OF PAVEMENT MARKINGS ON THE SOUTHBOUND SIDE PRIOR TO REPLACEMENT. PROPOSED PAVEMENT MARKINGS ARE TO BE PLACED IN THE SAME LOCATION AS THE EXISTING MARKINGS.

45+00



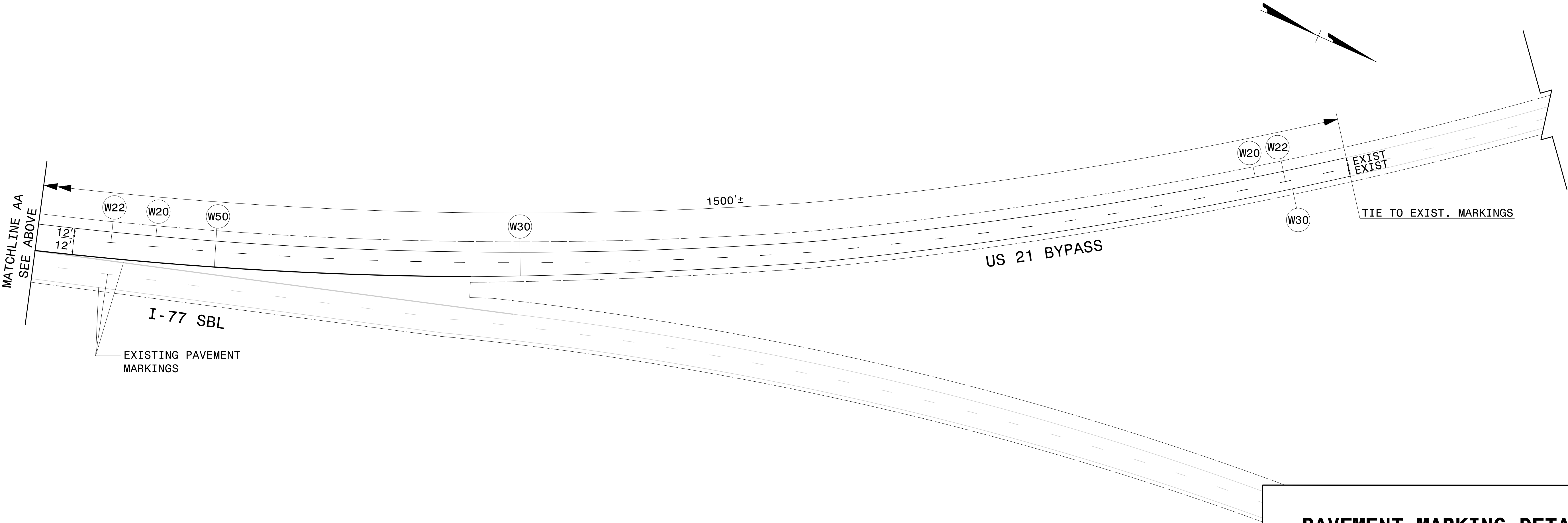
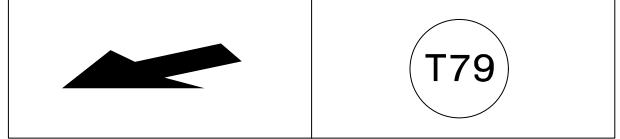
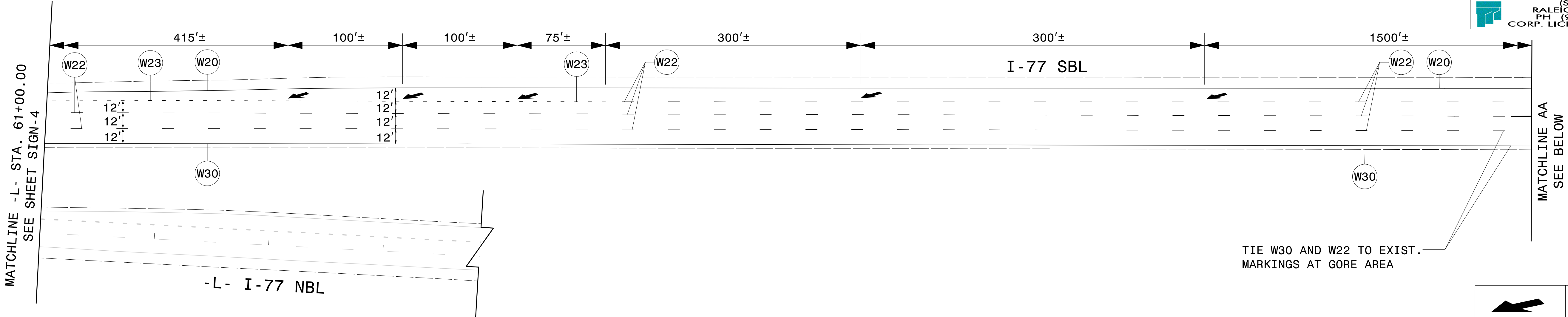
PAVEMENT MARKING DETAIL

NOTE: SEE RSD 1250.01 SHEET 1-3 FOR RAISED PAVEMENT MARKER INSTALLATION SPACING.

PROPOSED PAVEMENT MARKINGS ON THE SOUTHBOUND SIDE ARE TO REPLACE EXISTING PAVEMENT MARKING TO THE EXTENT OF THE TRANSPORTATION MANAGEMENT PLAN.

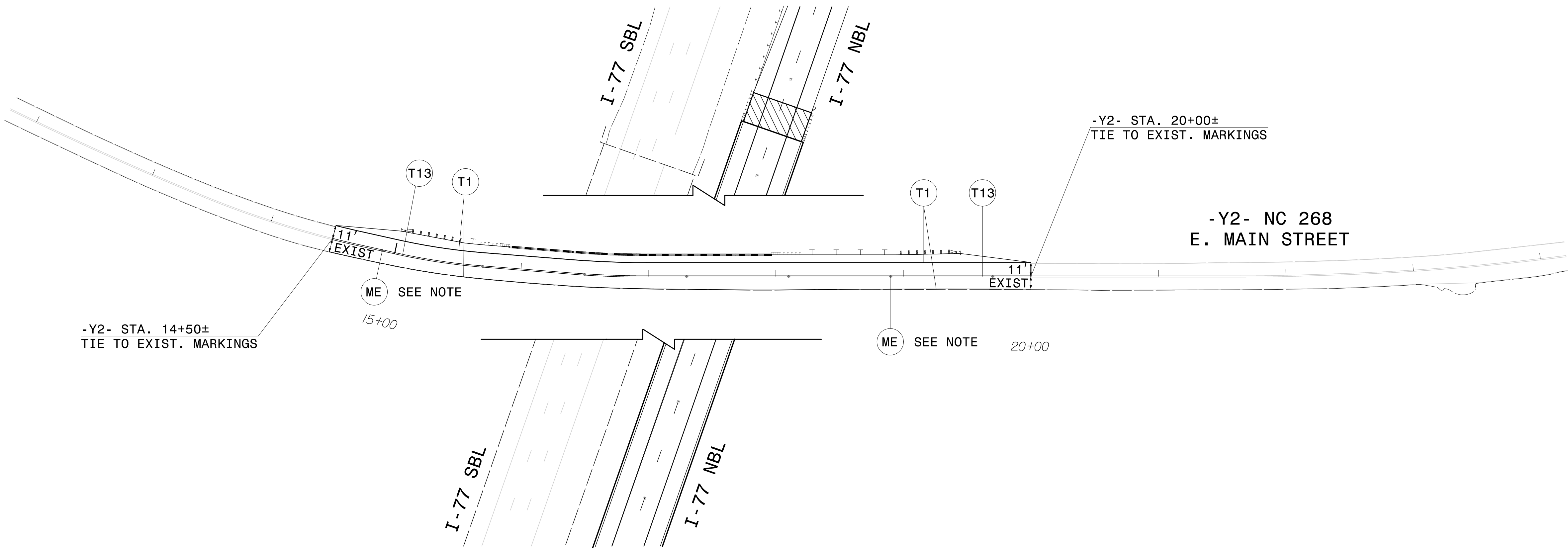
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TIP NO.	SHEET NO.
B-5831	PMP-4
APPROVED: Don A. Parker	
DATE: 5/29/2025	
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Professional Engineer Seal: Don A. Parker, Seal 043251, State of North Carolina	
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PAVEMENT MARKING DETAIL

TIP NO.	SHEET NO.
B-5831	PMP-5
APPROVED: Signature by: <u>Don A. Parker</u> 1505B230ADEF440...	
DATE: 5/29/2025	
SEAL	
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NOTE: SEE RSD. 1250.01 SHEET 1-3 FOR RAISED PAVEMENT MARKER INSTALLATION SPACING.

PAVEMENT MARKING DETAIL