

9/3/2025 9:17:16 AM C:\Users\donhartland\Documents\Projects\69172\5-Working\Task 003 - HE-0001 I-26 Bitmore/Traffic/TrafficControl/PMP/HE-0001B.pmp-title.dgn

CONTRACT:

T.I.P.: HE-0001B

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING PLAN
BUNCOMBE COUNTY

INDEX

SHEET NO.	DESCRIPTION
PMP-1	PAVEMENT MARKING PLAN TITLE SHEET
PMP-1A	PAVEMENT MARKING SCHEDULE AND LEGEND
PMP-2 THRU 4	PAVEMENT MARKING DETAILS
PMP-5	INLAID CRADLE MARKER DETAIL

ROADWAY STANDARD DRAWING

THE FOLLOWING ROADWAY STANDARDS AS APPEAR IN "ROADWAY STANDARD DRAWINGS" - CONTRACT STANDARDS AND DEVELOPMENT 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
1205.05	PAVEMENT MARKINGS - TURN LANES
1205.07	PAVEMENT MARKINGS - PEDESTRIAN CROSSWALKS
1205.08	PAVEMENT MARKINGS - SYMBOLS AND WORD MESSAGES
1205.13	PAVEMENT MARKINGS - LANE REDUCTIONS
1205.14	PAVEMENT MARKINGS - ROUNDABOUTS
848.06	CURB RAMPS (CR)

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.

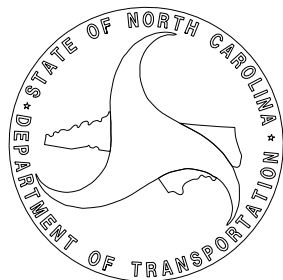
- A) INSTALL PAVEMENT MARKINGS AND PAVEMENT MARKERS ON THE FINAL SURFACE AS FOLLOWS:

ROAD NAME	MARKING	MARKER
E FREDERICK LAW OLMSTEAD WAY	INTEGRATED MULTIPOLYMER	INLAID CRADLE 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 INTEGRATED MULTIPOLYMER MARKING MATERIAL.

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

_____	DIVISION 13 TRAFFIC ENGINEER
_____	DIVISION 13 TRAFFIC ENGINEER
_____	REGIONAL TRAFFIC SAFETY ENGINEER
_____	WESTERN SIGNING AND DELINEATION ENGINEER, DIVISIONS 7, 09-14



PLAN PREPARED BY: Gannett Fleming

Donald L. Hartland, PE	PROJECT ENGINEER
Grant Moss	DESIGN TECHNICIAN



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TIP NO.	SHEET NO.
HE-0001B	PMP-1
APPROVED: <u>Donald L. Hartland</u> 9C0B05F8DE85490...	
DATE: <u>9/3/2025</u>	
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User: dharfand

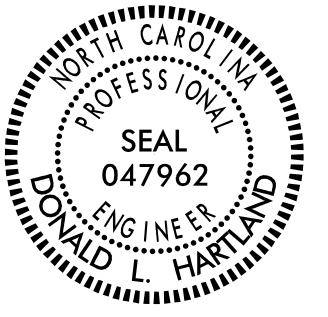
FINAL PAVEMENT MARKING SCHEDULE

MATERIAL	SYMBOL	DESCRIPTION
PAVEMENT MARKING		
INTEGRATED MULTIPOLYMER (4")		
	IM4	3 FT.-9 FT./SP WHITE MINISKIP (90 MILS)
	IM10	YELLOW EDGELINE (90 MILS)
	IM13	YELLOW DOUBLE CENTER (90 MILS)
INTEGRATED MULTIPOLYMER (8")		
	IM40	WHITE GORELINE (90 MILS)
	IM45	3 FT.-3 FT./SP WHITE MINISKIP (90 MILS)
INTEGRATED MULTIPOLYMER (24")		
	IM103	YIELD LINE TRIANGLE (90 MILS)



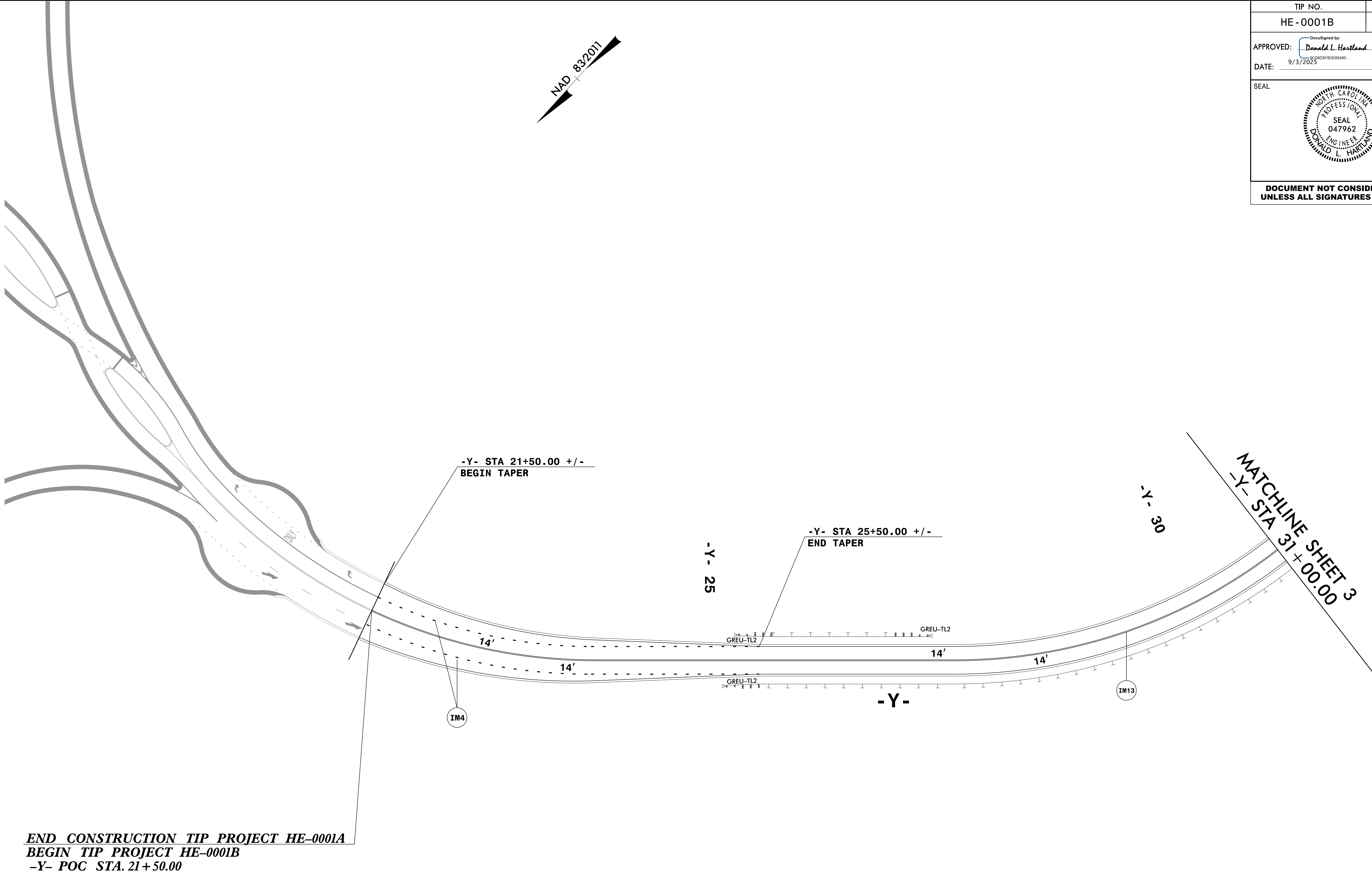
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TIP NO.	SHEET NO.
HE - 0001B	PMP - 1A
APPROVED: DocuSigned by: Donald L. Hartland 9C09D5FBDE8549D...	
DATE: 9/3/2025	
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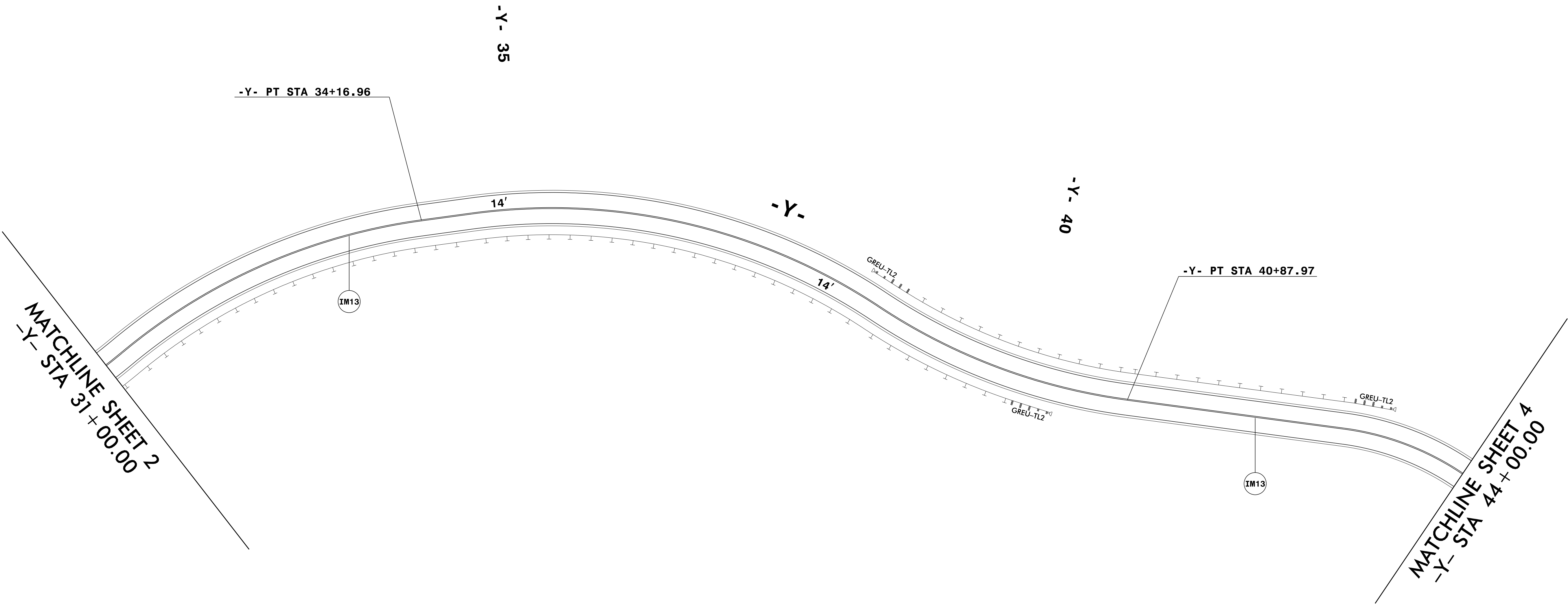
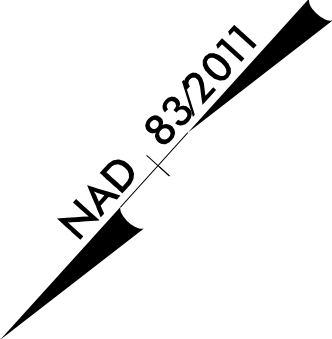
PAVEMENT MARKING SCHEDULE
AND LEGEND

TIP NO.	SHEET NO.
HE-0001B	PMP-2
APPROVED: DocuSigned by: Donald L. Hartland 9C0905F8DE85490...	
DATE: 9/3/2025	
SEAL	
SEAL 047962 ENGINEER DONALD L. HARTLAND	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



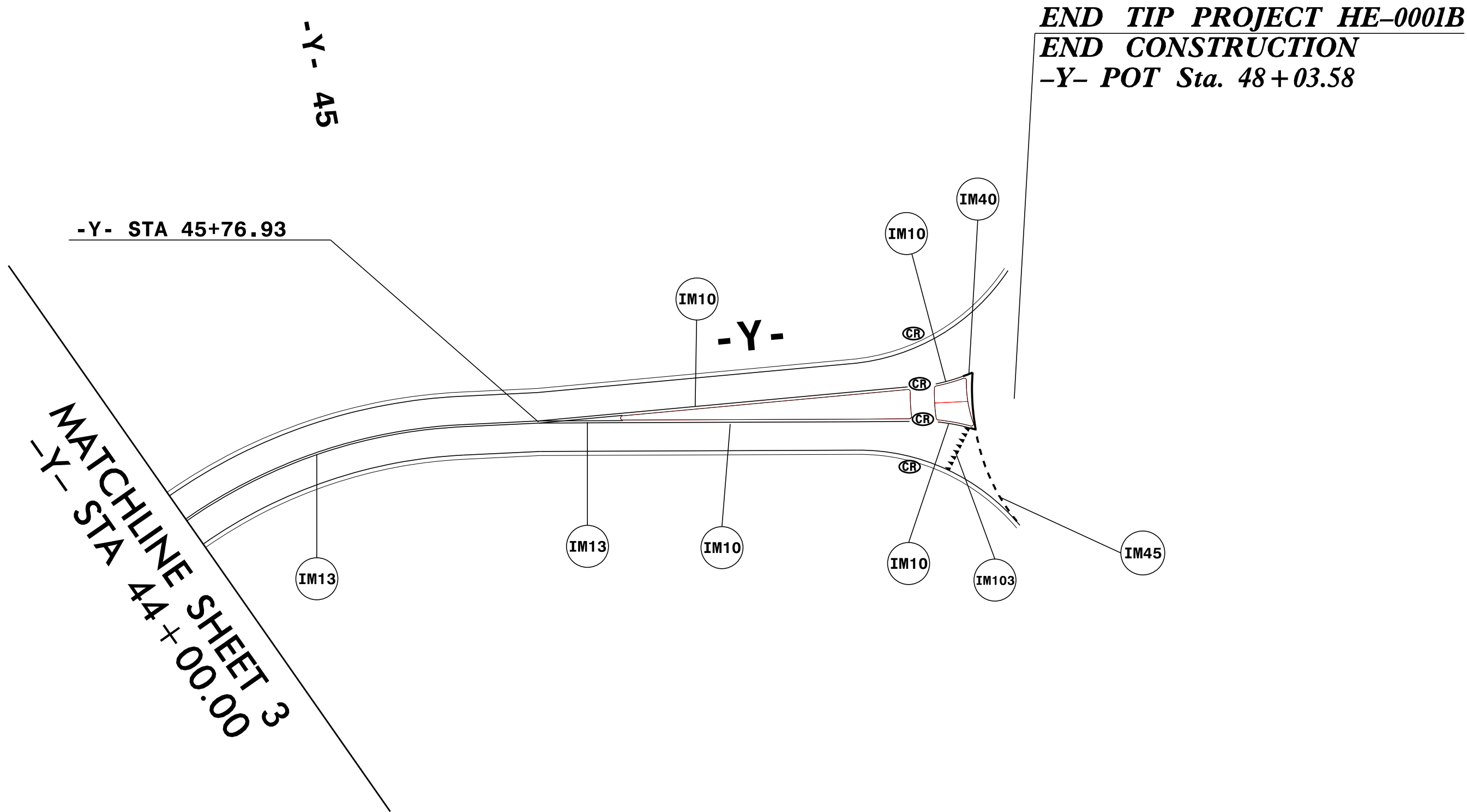
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User: pfms

TIP NO.	SHEET NO.
HE-0001B	PMP-3
APPROVED: DESIGNED BY: Donald L. Hartland 9C09D5FBDE85490...	
DATE: 9/3/2025	
SEAL SEAL 047962 ENGINEER DONALD L. HARTLAND	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



7/14/2025
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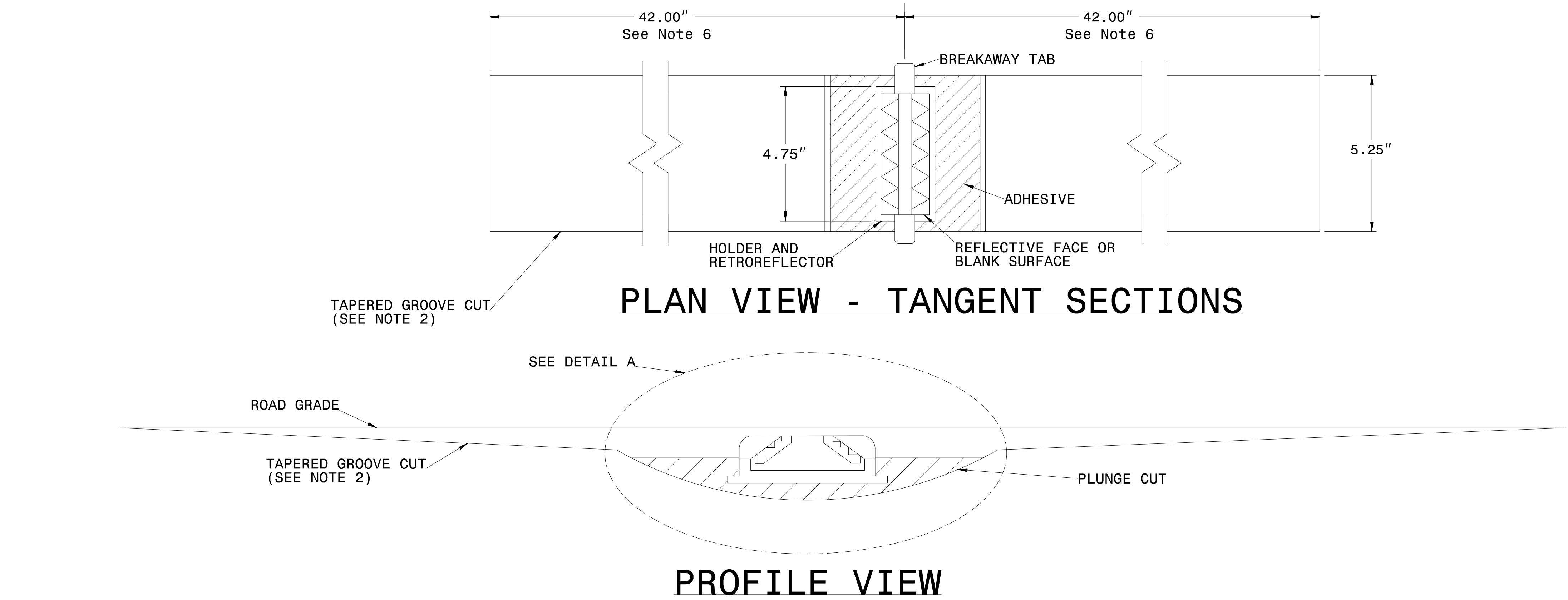
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User:dhartland



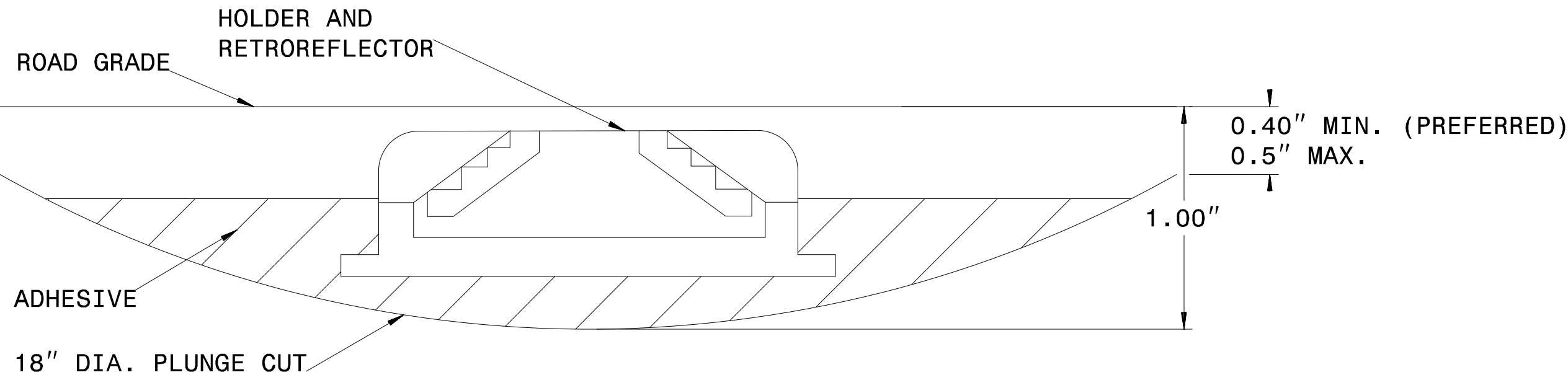
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HE - 0001B	PMP - 4
APPROVED: <i>Donald L. Hartland</i>	
DATE: 9/3/2025	
SEAL	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

PAVEMENT MARKING DETAIL

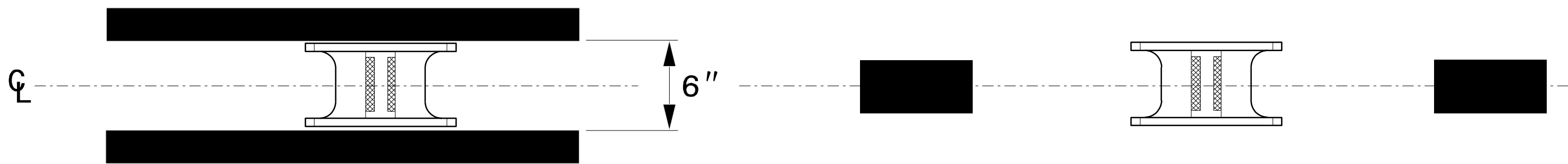
PROJECT REFERENCE NO.	SHEET NO.
HE-0001B	PMP-5



Signed by:
Matthew V. Springer, P.E.
BC80F8E8B84403..



DETAIL A



MARKER SPACING

NOTES:

1. ALL GROOVE EDGES SHALL BE AT LEAST 2 INCHES FROM ANY SEAM OR PAVEMENT JOINT
2. GROOVE CUTS MAY BE TAPERED OR BEVELED. TAPERED CUTS SHALL START AT ROAD LEVEL ON EACH END AND TAPER AT A FIXED RATE AS SHOWN ON THE PROFILE VIEW. BEVELED GROOVE CUTS SHALL BE 0.5" MAXIMUM DEPTH (0.4" PREFERRED), AND SHALL BE 0.4" MINIMUM DEPTH AT BOTH ENDS OF THE PLUNGE CUT.
3. GROOVE AND PLUNGE CUT SHALL BE CLEAN AND DRY PRIOR TO PLACEMENT OF ADHESIVE.
4. THE EPOXY ADHESIVE SHALL BE THOROUGHLY MIXED UNTIL IT IS UNIFORM IN COLOR, AND APPLIED IN COLOR, AND APPLIED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
5. MARKER SHALL BE INSTALLED AS PER MANUFACTURER'S INSTALLATION INSTRUCTIONS WITH THE BREAKWAY TABS RESTING ON THE PAVEMENT SURFACE. THE EPOXY SHALL BE FILLED TO THE LEVEL OF THE TOP OF THE MARKER HOLDER. EPOXY SHALL NOT TOUCH THE RETROREFELCTOR.
6. TOTAL GROOVE LENGTH MAY BE SHORTENED TO 54" ON SHARP CURVES IF APPROVED BY THE ENGINEER. GROOVES SHALL NOT OVERLAP WITH LOOP DETECTOR WIRES.

CONTRACTS STANDARDS AND DEVELOPMENT UNIT	
Office 919-707-8950	FAX 919-250-4119
DETAIL OF INLAID CRADLE MARKER	
ORIGINAL BY: rgwatson	DATE: 02-06-2024
MODIFIED BY:	DATE:
CHECKED BY:	DATE:
FILE SPEC.:	