

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

PAVEMENT MARKING PLAN

PENDER COUNTY

LOCATION: REPLACE BRIDGE 700037 ON NC 53
OVER ANGOLA CREEK

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
1205.01	PAVEMENT MARKINGS - LINE TYPES AND OFFSETS (USE DETAIL IN LIEU OF STANDARD FOR SHEET 1 OF 2)
1205.02	PAVEMENT MARKINGS - TWO-LANE AND MULTI-LANE ROADWAYS
1205.12	PAVEMENT MARKINGS - BRIDGES
1250.01	RAISED PAVEMENT MARKERS - INSTALLATION SPACING (USE DETAIL IN LIEU OF STANDARD FOR SHEET 2 OF 3)
1251.01	RAISED PAVEMENT MARKERS - PERMANENT AND TEMPORARY
1261.01	GUARDRAIL AND BARRIER DELINEATORS - INSTALLATION SPACING
1261.02	GUARDRAIL & BARRIER DELINEATORS - TYPES AND MOUNTING
1262.01	GUARDRAIL END DELINEATION

SUMMARY OF QUANTITIES

ITEM NO.		ITEM DESCRIPTION	QUANTITY	UNIT
DESC. NO.	SECT. NO.			
4688000000-E	1205	THERMOPLASTIC PAVEMENT MARKING LINES (6", 90 MILS)	9,950	L.F.
4890000000-E	SP	GENERIC PAVEMENT MARKING ITEM (INTEGRATED MULTIPOLYMER PAVEMENT MARKING LINES, 6", 90 MILS)	505	L.F.
4895000000-N	SP	GENERIC PAVEMENT MARKING ITEM (POLYCARBONATE H-SHAPED PAVEMENT MARKERS)	22	EA.
4900000000-N	1251	PERMANENT RAISED PAVEMENT MARKERS	2	EA.

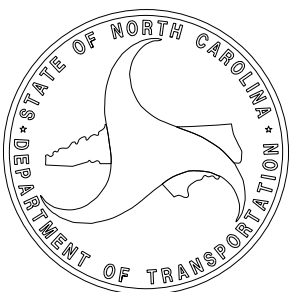
PLAN PREPARED BY: CDM SMITH, INC.

DAVID Z. KEISER, P.E. PROJECT MANAGER
SAMUEL S. MILLER, E.I. PROJECT DESIGN ENGINEER

CDM Smith
CDM Smith Inc.
4130 Parklake Avenue
Suite 350
Raleigh, NC 27612-4461
NC COA No. F-1255

PLAN REVIEWED BY: N.C.D.O.T. DIVISION 3

STONEWALL D. MATHIS, P.E. DIVISION TRAFFIC ENGINEER
ANTHONY W. LAW DIVISION CONSTRUCTION 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 |
| NC 53 | THERMOPLASTIC | POLYCARBONATE H-SHAPED |
| NC 53 (BRIDGE) | INTEGRATED MULTIPOLYMER | PERMANENT RAISED |
- B) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.
- C) REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS AND MARKERS.
- D) REMOVE ALL RESIDUE AND SURFACE LAITANCE BY ACCEPTABLE METHODS ON
CONCRETE BRIDGE DECKS PRIOR TO PLACING INTEGRATED MULTIPOLYMER
PAVEMENT MARKING MATERIAL.

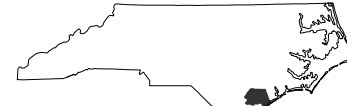
INDEX

SHEET NO.	DESCRIPTION
PMP-1	PAVEMENT MARKING PLAN TITLE SHEET
PMP-1A THRU PMP-1B	PAVEMENT MARKING SPECIAL DETAILS
PMP-2 THRU PMP-3	PAVEMENT MARKING SCHEDULE/PAVEMENT MARKING PLAN SHEETS

BR-0174

PMP 001

NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
PENDER COUNTY



DIVISION 3

PAVEMENT MARKING
DESIGN ENGINEER

Signed by:
David Z. Keiser
OFFICIAL SEAL
SEAL
033400
ENGINEER
DAVID Z. KEISER
7/31/2026

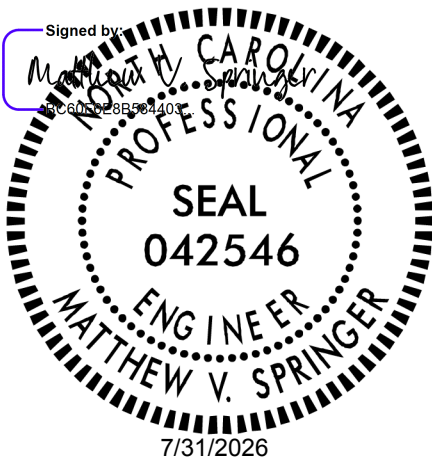
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NC COA No. F-1255

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

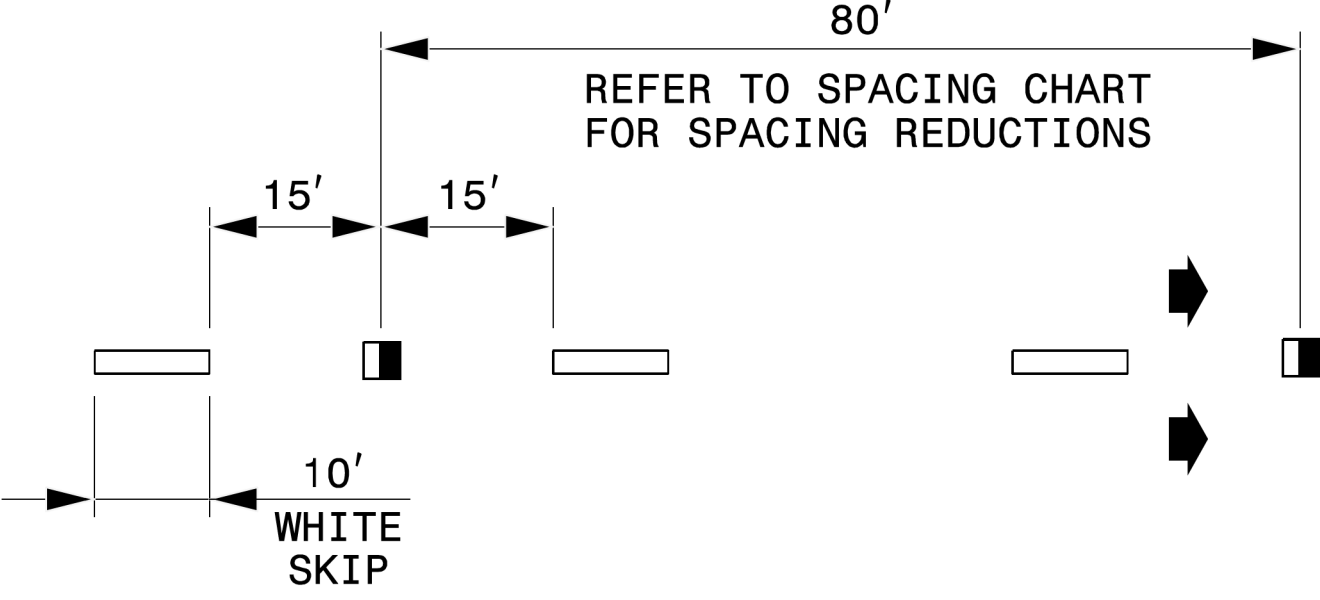
PROJECT REFERENCE NO.	SHEET NO.
BR-0174	PMP-1A

CONTINUOUS LINES EDGE LINE YELLOW OR WHITE 4" / 6" LANE LINE WHITE 4" / 6" CENTER LINE YELLOW 4" / 6" GORE LINE WHITE 8" / 12" DIAGONAL LINE YELLOW OR WHITE 12" 45 MPH OR HIGHER 8" LESS THAN 45 MPH 4"-6" FOR BICYCLE FACILITIES CROSSWALK LINE WHITE 8" TRANSVERSE 24" LONGITUDINAL RxR LINE WHITE 16" STOP OR TRANSVERSE BAR WHITE 24"	10'-30'/SP SKIP LINE UNLESS OTHERWISE SHOWN, USE 10'-30'/SP SKIPS FOR SKIP LANE LINES AND SKIP CENTER LINES. 10' 30' 4" / 6" YELLOW OR WHITE	2'-6'/SP MINI-SKIP LINE UNLESS OTHERWISE SHOWN, USE 2'-6'/SP MINI-SKIPS FOR LANE LINE EXTENSIONS THROUGH INTERSECTIONS, EDGE LINE EXTENSIONS THROUGH INTERSECTIONS AND BICYCLE LANE EXTENSIONS. 2' 6' 4" / 6" YELLOW OR WHITE	STATE OF NORTH CAROLINA DEPT. OF TRANSPORTATION DIVISION OF HIGHWAYS RALEIGH, N.C.
	3'-3'/SP MINI-SKIP LINE UNLESS OTHERWISE SHOWN, USE 3'-3'/SP MINI-SKIPS FOR THE WHITE EDGE LINE EXTENSIONS AT ROUNDABOUTS. 3' 3' 8" / 12" WHITE	3'-9'/SP MINI-SKIP LINE UNLESS OTHERWISE SHOWN, USE 3'-9'/SP MINI-SKIPS FOR MINI-SKIP LANE LINES, LINE EXTENSIONS THROUGH TAPERS, AND MINI-SKIPS USED FOR BICYCLE LANE LINES. 3' 9' 4" / 6" WHITE	
GENERAL NOTES: 1- USE 6" LANE, EDGE, AND CENTER LINES ON ALL FULL CONTROL OF ACCESS FACILITIES AND OTHER ROUTES AS DIRECTED BY THE ENGINEER. 2- LANE LINES INDICATED AS "WIDE" ON THE ROADWAY STANDARD DRAWINGS SHALL BE AT LEAST TWICE THE WIDTH OF THE NORMAL LINE. 3- GORE LINES SHALL BE TWICE THE WIDTH OF THE NORMAL LINE.			
		ROADWAY DETAIL DRAWING FOR PAVEMENT MARKINGS LINE TYPES AND OFFSETS	

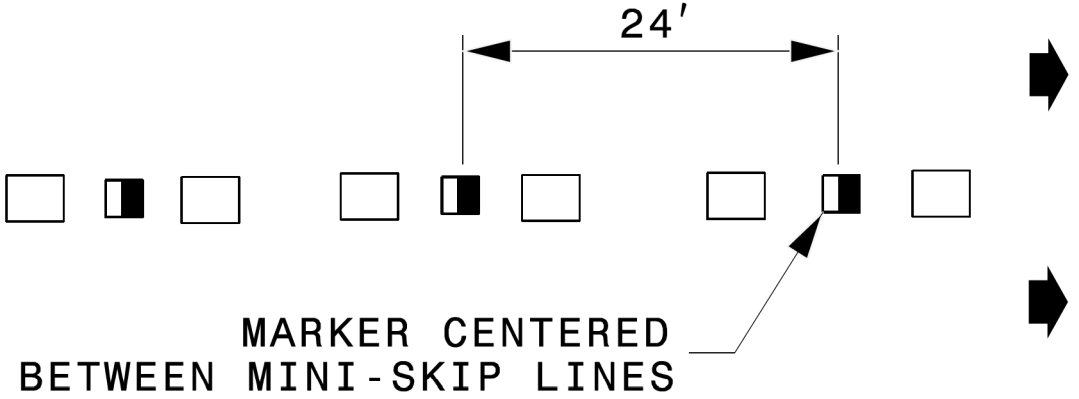


CONTRACTS STANDARDS AND DEVELOPMENT UNIT	
Office 919-707-8950	FAX 919-250-4119
SEE TITLE BLOCK	
ORIGINAL BY: M.V. SPRINGER DATE: 2-15-24	
MODIFIED BY: _____	DATE: _____
CHECKED BY: _____	DATE: _____
FILE SPEC.: _____	

10'-30'/SP SKIP LINE



3'-9'/SP MINI-SKIP LINE



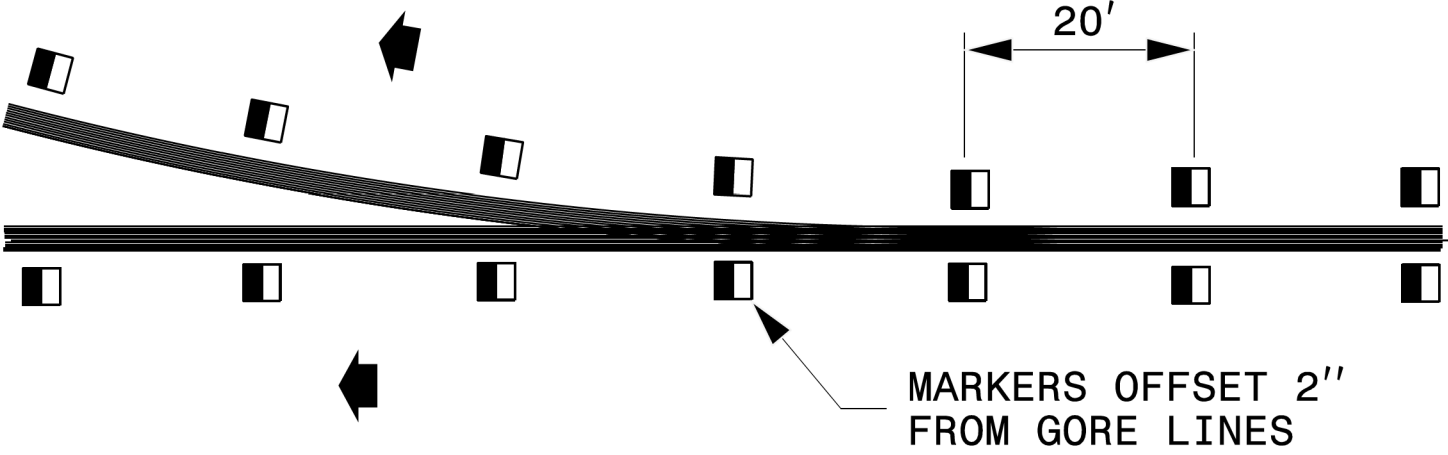
LEGEND

 CRYSTAL/RED PAVEMENT MARKER

 YELLOW/YELLOW PAVEMENT MARKER

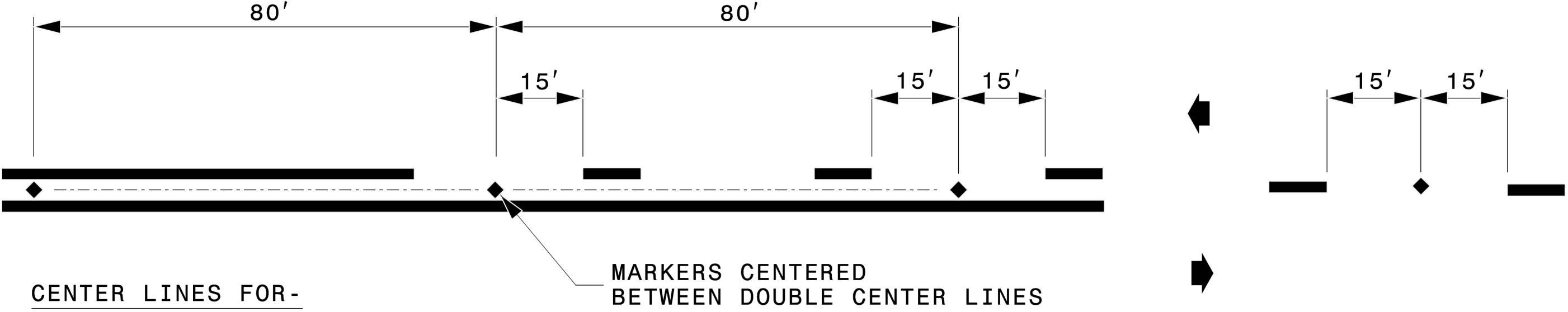
 DIRECTION OF TRAFFIC FLOW

GORE LINES



YELLOW CENTER LINES

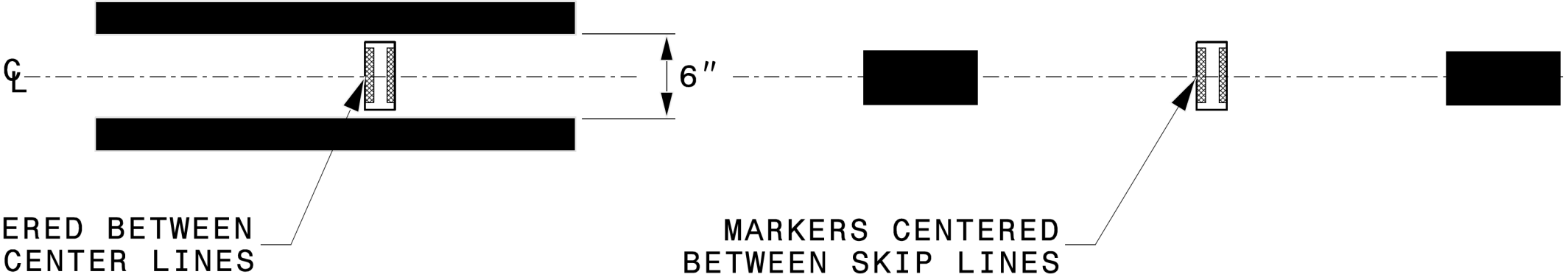
REFER TO SPACING CHART FOR SPACING REDUCTIONS



CENTER LINES FOR -
TWO-LANE, TWO-WAY ROADWAYS
UNDIVIDED ROADWAYS
TWO-WAY LEFT TURN LANES

DETAIL OF PAVEMENT MARKER PLACEMENT

RAISED REFLECTIVE PAVEMENT MARKERS



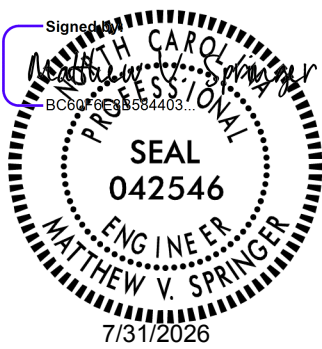
MARKERS CENTERED BETWEEN DOUBLE CENTER LINES

MARKERS CENTERED BETWEEN SKIP LINES

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

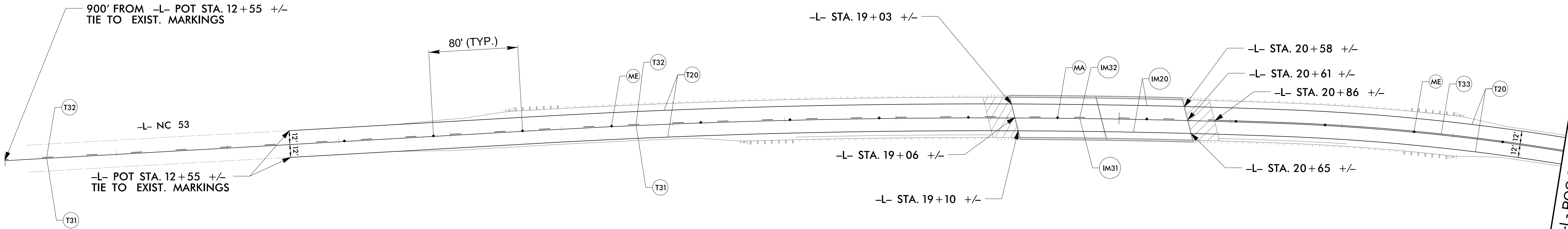
ORIGINAL BY: M.V. SPRINGER	DATE: 2-15-24
MODIFIED BY:	DATE:
CHECKED BY:	DATE:
FILE SPEC.:	

11/14/23

10

15

20



**PAVEMENT
MARKING SCHEDULE**

SYMBOL	DESCRIPTION
	THERMOPLASTIC PAVEMENT MARKING LINES (6", 90 MILS)
T20	WHITE EDGELINE
T31	YELLOW SINGLE CENTER
T32	10 FT. YELLOW SKIP
T33	YELLOW DOUBLE CENTER
	INTEGRATED MULTIPOLYMER PAVEMENT MARKING LINES, 6", 90 MILS
IM20	WHITE EDGELINE
IM31	YELLOW SINGLE CENTER
IM32	10 FT. YELLOW SKIP
MA	PERMANENT RAISED PAVEMENT MARKERS PERMANENT RAISED MARKER (YELLOW & YELLOW)
ME	POLYCARBONATE H-SHAPED PAVEMENT MARKERS SNOWPLOWABLE MARKER (YELLOW & YELLOW)

PAVEMENT MARKING PLAN

BR-0174

PMP002

NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
PENDER COUNTY

DIVISION 3

PAVEMENT MARKING
DESIGN ENGINEER

Signature: David Z. Keiser

SEAL
033400
ENGINEER
DAVID Z. KEISER
7/31/2026

PREPARED BY

CDM
Smith

CDM Smith Inc.
1133 Parkside Avenue
Suite 305
Fayetteville, NC 27913-4481
NC CDA No. F-1255

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11/14/23

MATCH LINE -L- POC STA. 24+00.00 SEE SHEET PMP-2

25

30



1135' FROM -L- POC STA. 31+75 +/-
TIE TO EXIST. MARKINGS

T33

-L- NC 53

-L- POC STA. 31+75 +/-
TIE TO EXIST. MARKINGS

**PAVEMENT
MARKING SCHEDULE**

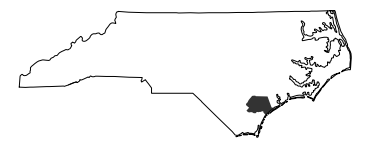
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IM20	WHITE EDGELINE
IM31	YELLOW SINGLE CENTER
IM32	10 FT. YELLOW SKIP
PERMANENT RAISED PAVEMENT MARKERS	
MA	PERMANENT RAISED MARKER (YELLOW & YELLOW)
POLYCARBONATE H-SHAPED PAVEMENT MARKERS	
ME	SNOWPLOWABLE MARKER (YELLOW & YELLOW)

PAVEMENT MARKING PLAN

BR-0174

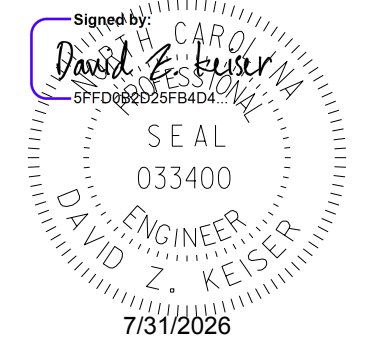
PMP 003

NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
PENDER COUNTY



DIVISION 3

PAVEMENT MARKING
DESIGN ENGINEER



PREPARED BY



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