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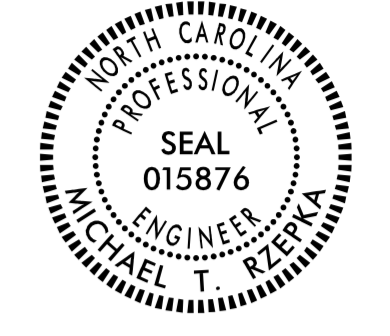
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**STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLAN
HERTFORD COUNTY**

**LOCATION: WEST OF MODLIN HATCHERY ROAD TO
EAST OF NC 11/SR 1213 (OLD NC 11 ROAD)**

TIP NO. R-5311A	SHEET NO. PMP-1
APPROVED: <u>Michael T. Rzepka</u> 3/23/2017	
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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 2012 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

STD. NO.	TITLE	STD. NO.	TITLE
1205.01	PAVEMENT MARKINGS - LINE TYPES AND OFFSETS	1205.09	PAVEMENT MARKINGS - PAINTED ISLANDS
1205.02	PAVEMENT MARKINGS - TWO-LANE AND MULTILANE ROADWAYS	1205.12	PAVEMENT MARKINGS - BRIDGES
1205.03	PAVEMENT MARKINGS - EXIT AND ENTRANCE RAMP	1250.01	RAISED PAVEMENT MARKERS - INSTALLATION SPACING
1205.04	PAVEMENT MARKINGS - INTERSECTIONS	1251.01	RAISED PAVEMENT MARKERS - PERMANENT AND TEMPORARY
1205.05	PAVEMENT MARKINGS - TURN LANES	1261.01	GUARDRAIL AND BARRIER DELINEATORS - INSTALLATION SPACING
1205.08	PAVEMENT MARKINGS - SYMBOLS AND WORD MESSAGES	1261.02	GUARDRAIL AND BARRIER DELINEATORS - TYPES AND MOUNTING
		1262.01	GUARDRAIL END DELINEATION
		1267.01	FLEXIBLE DELINEATORS - INSTALLATION
		1267.02	FLEXIBLE DELINEATORS - SPACING TABLES
		1267.03	FLEXIBLE DELINEATORS - INTERCHANGE PLACEMENT

INDEX

SHEET NO.	DESCRIPTION
PMP-1	PAVEMENT MARKING PLAN TITLE AND SCHEDULE SHEET
PMP-2	SIDE-BY-SIDE ON/OFF RAMP PAVEMENT MARKING DETAIL
PMP-3 THRU PMP-5	PAVEMENT MARKING DETAILS

FINAL PAVEMENT MARKING SCHEDULE

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	THERMOPLASTIC (4", 90 MILS)		COLD APPLIED PLASTIC, TYPE II (4")
TA	WHITE EDGELINE	CA	WHITE EDGELINE
TB	YELLOW EDGELINE	CB	YELLOW EDGELINE
	THERMOPLASTIC (4", 120 MILS)	CD	3 FT. -9 FT./SP WHITE MINISKIP
TD	3 FT. -9 FT./SP WHITE MINISKIP	CI	YELLOW DOUBLE CENTER
TE	WHITE SOLID LANE LINE		THERMOPLASTIC PAVEMENT MARKING SYMBOLS (90 MILS)
TI	YELLOW DOUBLE CENTER	UA	LEFT TURN ARROW
T8	2 FT. -6 FT./SP WHITE MINISKIP	UB	RIGHT TURN ARROW
T9	2 FT. -6 FT./SP YELLOW MINISKIP	UC	STRAIGHT ARROW
	THERMOPLASTIC (8", 90 MILS)		(MARKERS)
TN	WHITE GORELINE		
TP	YELLOW DIAGONAL		
	THERMOPLASTIC (24", 120 MILS)	MA	PERMANENT RAISED PAVEMENT MARKERS (RAISED)
T2	WHITE STOPBAR	MB	YELLOW & YELLOW CRYSTAL & RED

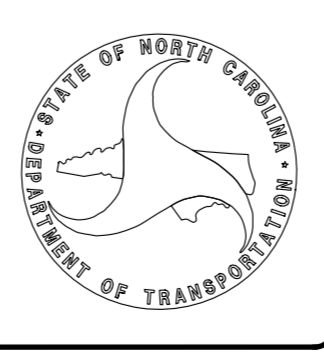
GENERAL NOTES

- 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
ALL ROADS	THERMOPLASTIC	PERMANENT RAISED
CONCRETE BRIDGE DECKS	COLD APPLIED PLASTIC	PERMANENT RAISED
 - 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) STOP BAR LOCATION AT NON-SIGNALIZED INTERSECTIONS MAY BE ADJUSTED AS DIRECTED BY THE ENGINEER.
 - F) REMOVE ALL RESIDUE AND SURFACE LAITANCE BY ACCEPTABLE METHODS ON CONCRETE BRIDGE DECKS PRIOR TO PLACING COLD APPLIED PLASTIC PAVEMENT MARKING MATERIAL.
 - G) 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.
 - H) 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.
 - I) 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.

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

A. ALQUDWAH, P.E. SIGNING & DELINEATION REGIONAL ENGINEER
E. WARD SIGNING & DELINEATION DESIGN ENGINEER



PLAN PREPARED BY: HDR/ICA ENGINEERING

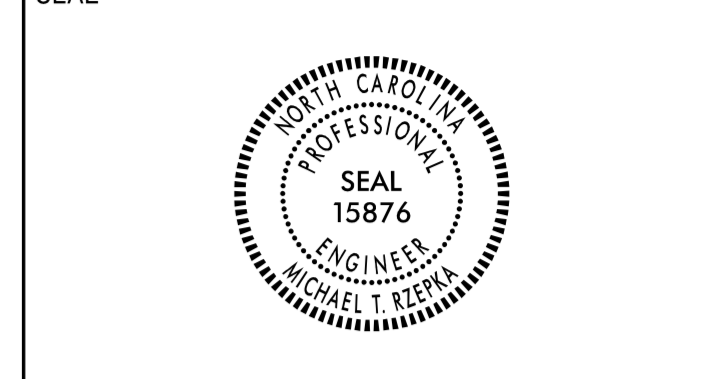
M. T. RZEPKA, P.E. PROJECT ENGINEER
Y. MARIOTTE DESIGN ENGINEER

HDR | ICA

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5121 Kingdom Way,
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Raleigh, NC 27607
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T.I.P.: R-5311A

CONTRACT: C203941

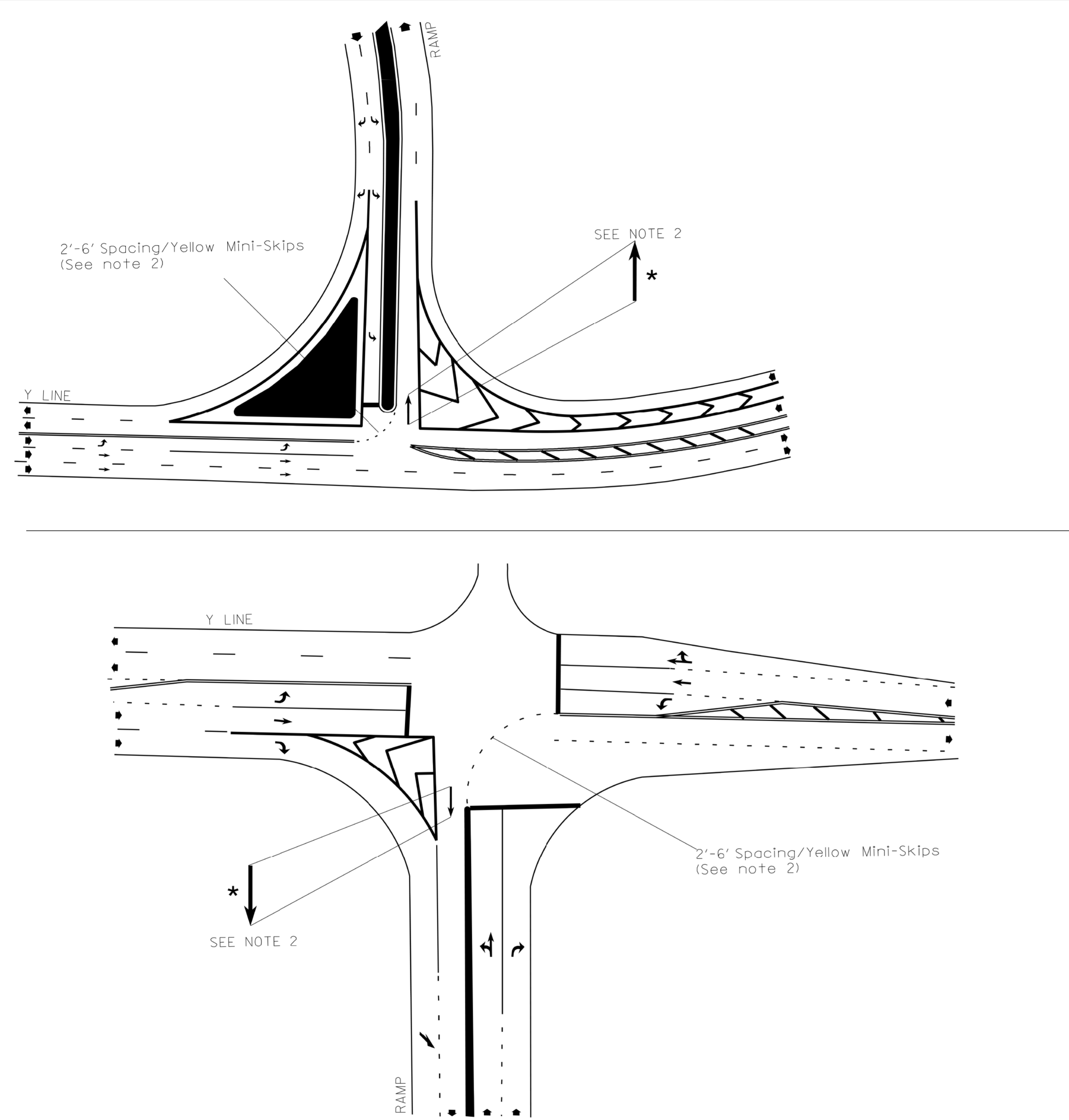


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STATE OF NORTH CAROLINA
 DEPT. OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 RALEIGH, N.C.

8-16
 ENGLISH STANDARD DETAIL FOR
PAVEMENT MARKINGS
 SIDE-BY-SIDE ON/OFF RAMP
 PAVEMENT MARKING LANE TREATMENT

SHEET 1 OF 1



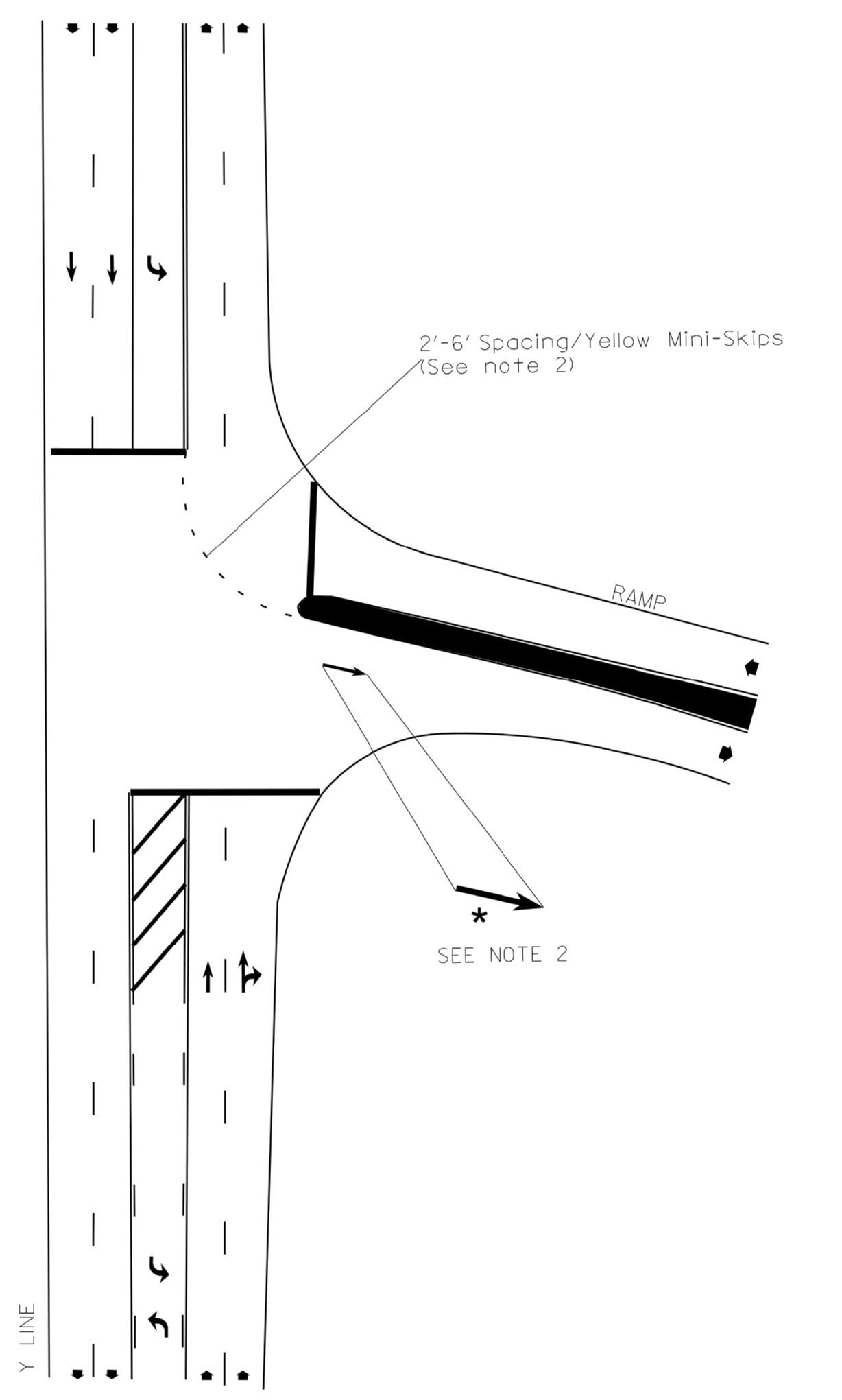
NOTES:

- REFER TO THE 2012 NCDOT ROADWAY STANDARD DRAWINGS AND THE PAVEMENT MARKING PLANS FOR ADDITIONAL PAVEMENT MARKING GUIDANCE ON THIS SHEET.
- PROPOSED YELLOW MINI-SKIPS AND ELONGATED STRAIGHT ARROW SYMBOL MATERIALS SHALL BE PER THE PAVEMENT MARKING PLAN OR AS DIRECTED BY THE ENGINEER. ELONGATED STRAIGHT ARROW SHALL BE APPROXIMATELY 12' LONG AND SHALL BE PAID AS A SYMBOL.

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 PAVEMENT MARKING LANE TREATMENT

SHEET 1 OF 1



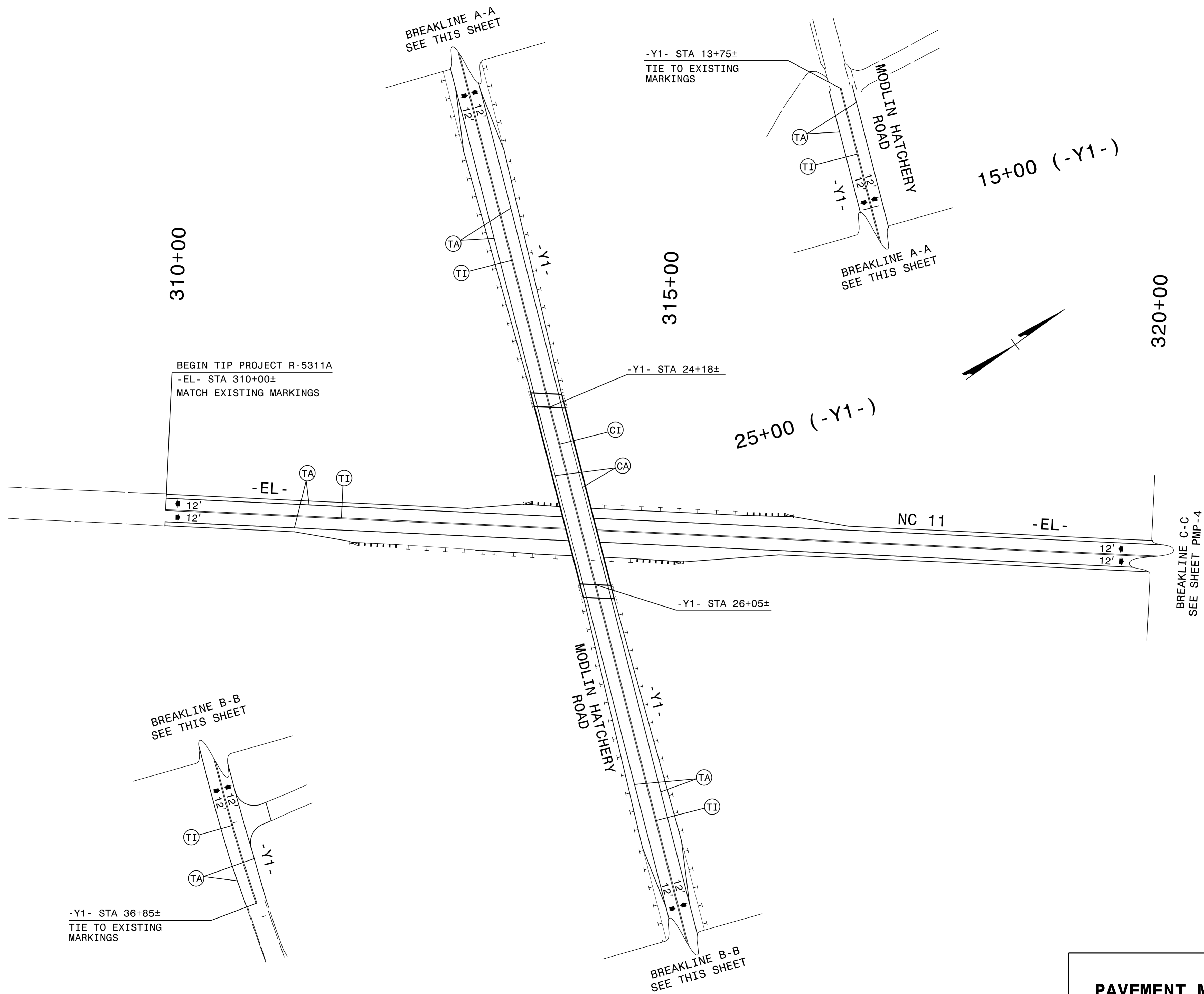
LEGEND	
	DIRECTION OF TRAFFIC FLOW
	PAVEMENT MARKING SYMBOLS
*	OPTIONAL



SIDE-BY-SIDE ON/OFF RAMP PAVEMENT MARKING DETAIL



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310+00

315+00

320+00

BEGIN TIP PROJECT R-5311A
-EL- STA 310+00±
MATCH EXISTING MARKINGS

BREAKLINE B-B
SEE THIS SHEET

-Y1- STA 36+85±
TIE TO EXISTING
MARKINGS

BREAKLINE B-B
SEE THIS SHEET

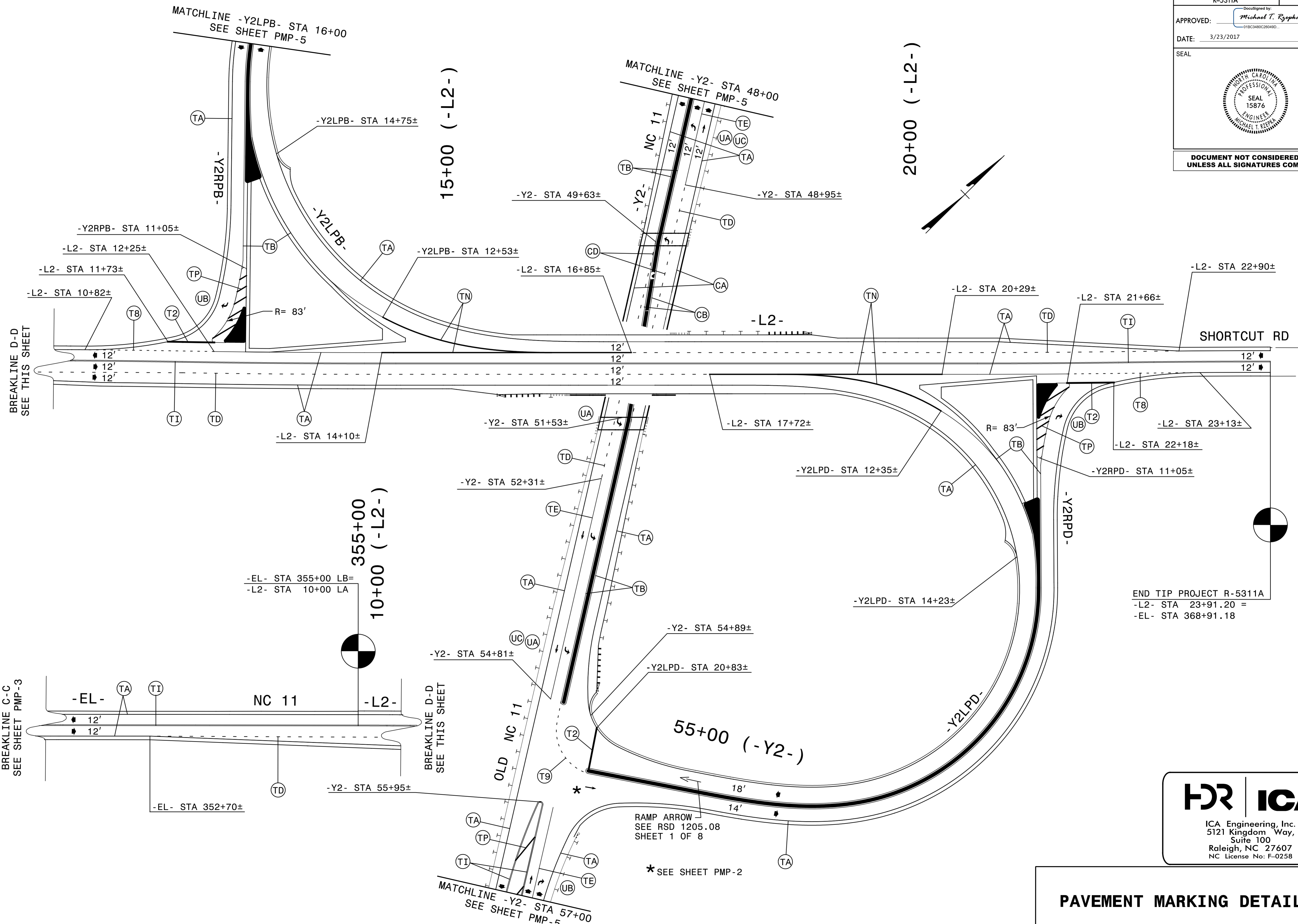
BREAKLINE C-C
SEE SHEET PMP-4

ICA Engineering, Inc.
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PAVEMENT MARKING DETAIL

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 ICA Engineering

TIP NO. R-5311A	SHEET NO. PMP-4
Drawn by: <i>Michael T. Rygha</i> <small>018C3480C26049D</small>	
APPROVED:	
DATE: 3/23/2017	
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END TIP PROJECT R-5311A
 -L2- STA 23+91.20 =
 -EL- STA 368+91.18

HR ICA


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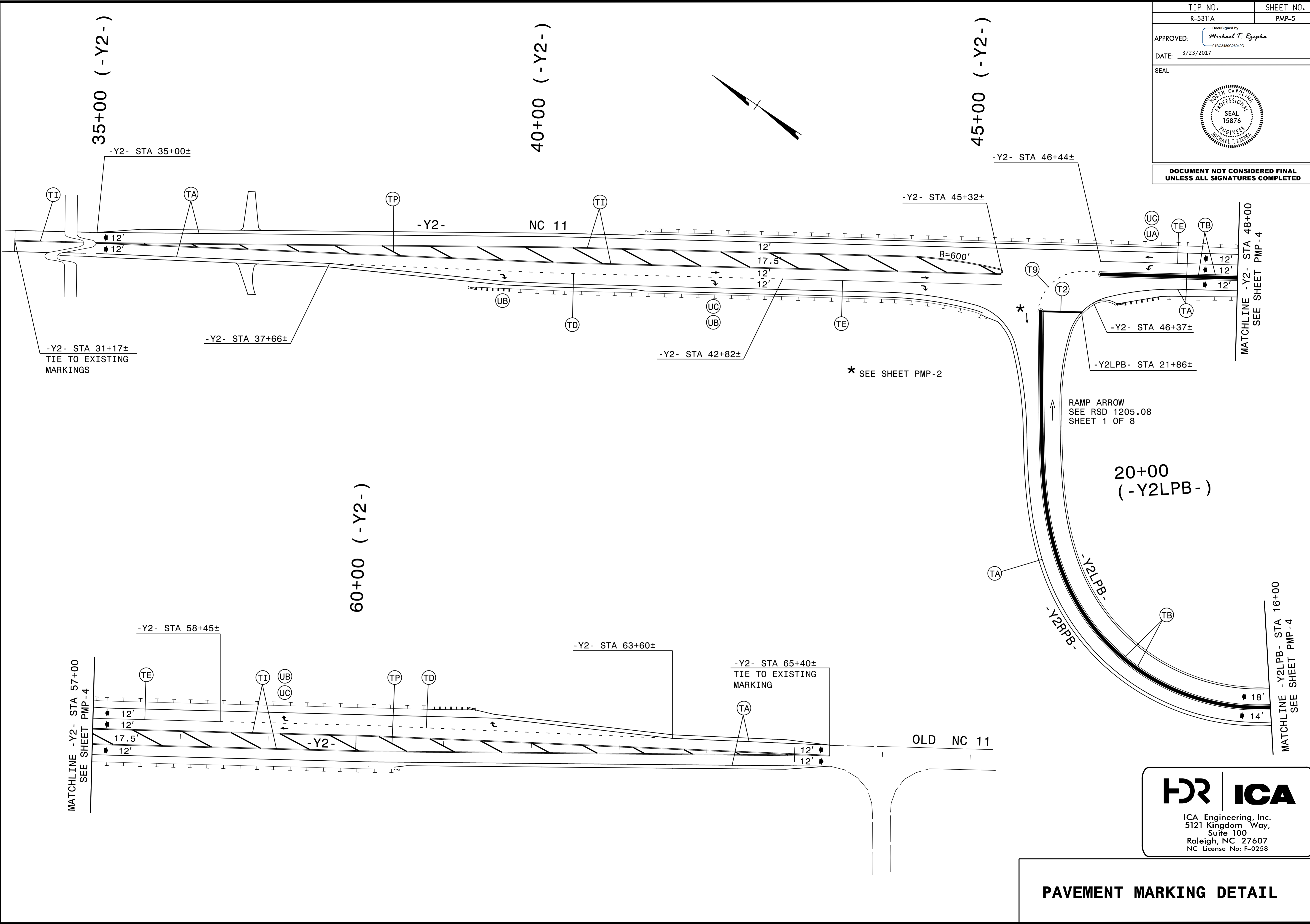
PAVEMENT MARKING DETAIL

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 ICA Engineering

RAMP ARROW
 SEE RSD 1205.08
 SHEET 1 OF 8

* SEE SHEET PMP-2

TIP NO. R-5311A	SHEET NO. PMP-5
APPROVED: <i>Michael T. Ryepka</i> 018C3480C28048D...	
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PAVEMENT MARKING DETAIL