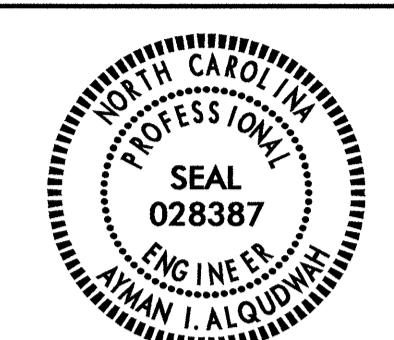


STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING PLAN
ROBESON COUNTY

LOCATION: I-95 AND US-301 IN LUMBERTON

TIP NO.	SHEET NO.
I-4413	PMP-1
APPROVED: <i>Ayman Alqudwah</i>	
DATE: 4/25/12	
SEAL	



T.I.P.: I-4413

CONTRACT: C202847

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
1205.01	PAVEMENT MARKINGS - LINE TYPES AND OFFSETS
1205.02	PAVEMENT MARKINGS - TWO-LANE AND MULTILANE ROADWAYS
1205.03	PAVEMENT MARKINGS - EXIT AND ENTRANCE RAMP
1205.04	PAVEMENT MARKINGS - INTERSECTIONS
1205.05	PAVEMENT MARKINGS - TURN LANES
1205.06	PAVEMENT MARKINGS - LANE DROPS
1205.07	PAVEMENT MARKINGS - PEDESTRIAN CROSSWALKS
1205.08	PAVEMENT MARKINGS - SYMBOLS AND WORD MESSAGES
1205.09	PAVEMENT MARKINGS - PAINTED ISLANDS
1205.12	PAVEMENT MARKINGS - BRIDGES
1205.13	PAVEMENT MARKINGS - LANE REDUCTIONS
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
1264.01	OBJECT MARKERS - TYPES
1264.02	OBJECT MARKERS - INSTALLATION
1267.01	FLEXIBLE DELINEATORS - INSTALLATION
1267.02	FLEXIBLE DELINEATORS - SPACING TABLES
1267.03	FLEXIBLE DELINEATORS - INTERCHANGE PLACEMENT

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- AND -Y2-	THERMOPLASTIC	RAISED
BRIDGE DECKS	COLD APPLIED PLASTIC (Type III)	RAISED
-Y1- (I-95)	THERMOPLASTIC	SNOWPLOWABLE

- B) FOR SKIPS ON BRIDGE DECKS, USE COLD APPLIED PLASTIC WITH BLACK CONTRAST BORDER (6" WIDE SKIPS WITH 1.5" WIDE BLACK CONTRAST BORDERS ON EACH SIDE).
- C) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.
- D) REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS AND MARKERS.
- 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 THE CONCRETE BRIDGE DECKS PRIOR TO PLACING COLD APPLIED PLASTIC PAVEMENT MARKING MATERIAL.
- G) MARKERS SHALL BE INSTALLED ACCORDING TO THE NCDOT ROADWAY STANDARD DRAWING 1250.01.
- I) CURB RAMP SPECIAL DETAILS (STANDARD, TYPES 1 AND 3) AS SHOWN ON CHART ON PMP-1A SHALL BE PROVIDED BY ROADWAY.

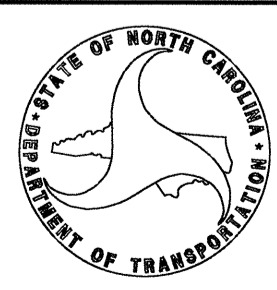
INDEX

SHEET NO.	DESCRIPTION
PMP-1	PAVEMENT MARKING PLAN TITLE, SCHEDULE SHEET AND NOTES
PMP-1A	PAVEMENT MARKING SCHEDULE CURB RAMP LOCATIONS, SYMBOL LEGEND
PMP-1B	CROSSWALK AND STOP BAR, CURB RAMP AND PAVEMENT MARKING DETAIL
PMP-1C	REVISED PAVEMENT MARKING ROADWAY STANDARD
PMP-2 TO 8	PAVEMENT MARKING DETAIL


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

Ayman Alqudwah SIGNING & DELINEATION REGIONAL ENGINEER

Mark Manriquez SIGNING & DELINEATION PROJECT DESIGN ENGINEER



PAVEMENT MARKING SCHEDULE

TIP NO. I-4413	SHEET NO. PMP-1A
APPROVED: <i>[Signature]</i>	
DATE: 3/29/12	
SEAL	
	

THERMOPLASTIC (24", 120 MILS)
T2 WHITE STOPBAR

THERMOPLASTIC (4", 120 MILS)
T8 2 FT. - 6 FT./SP WHITE MINISKIP
T9 2 FT. - 6 FT./SP YELLOW MINISKIP
TD 3 FT. - 9 FT./SP WHITE MINISKIP
TE WHITE SOLID LANE LINE
TI YELLOW DOUBLE CENTER

THERMOPLASTIC (4", 90 MILS)
TA WHITE EDGELINE
TB YELLOW EDGELINE

THERMOPLASTIC (6", 120 MILS)
T11 2 FT. - 6 FT./SP WHITE MINISKIP
TJ 10 FT. WHITE SKIP
TK 3 FT. - 9 FT./SP WHITE MINISKIP
TL WHITE SOLID LANE LINE

THERMOPLASTIC (6", 90 MILS)
T6 WHITE EDGELINE
T7 YELLOW EDGELINE

THERMOPLASTIC (8", 120 MILS)
T13 3 FT. - 9 FT./SP WHITE MINISKIP
TQ WHITE CROSSWALK LINE (STANDARD)
TR WHITE SOLID LANE LINE

THERMOPLASTIC (24", 120 MILS)
T3 WHITE CROSSWALK LINE (HIGH VISIBILITY)

THERMOPLASTIC (8", 90 MILS)
TP YELLOW DIAGONAL

COLD APPLIED

PLASTIC (6") Type 3 - Permanent Wet Reflective
C6 WHITE EDGELINE
C7 YELLOW EDGELINE
CJ 10 FT. WHITE SKIP (1.5" BLACK CONTRAST BORDERS)

THERMOPLASTIC PAVEMENT MARKING SYMBOLS (90 MILS)

UA LEFT TURN ARROW
UB RIGHT TURN ARROW
UC STRAIGHT ARROW
UD COMBO STRAIGHT/LEFT
UE COMBO STRAIGHT/RIGHT
UF COMBO LEFT/RIGHT
UP MERGE ARROW

UI ALPHANUMERIC CHARACTER (120 MILS)

MARKERS




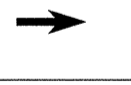
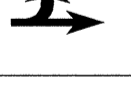



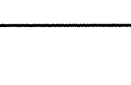
PERMANENT RAISED PAVEMENT MARKERS
MA YELLOW & YELLOW
MB CRYSTAL & RED

PERMANENT SNOWPLOWABLE PAVEMENT MARKERS
MF CRYSTAL & RED

FLEXIBLE DELINEATOR
CRYSTAL
YELLOW

ID	Location	Style
1	-L- 11+94+/-	STANDARD
2	-L- 12+09+/-	STANDARD
3	-L- 12+04+/-	Type 3
4	-RAMPB_RT- 11+41+/-	STANDARD
5	-RAMPB_RT- 12+40+/-	Type 3
6	-RAMPC_LT- 17+25+/-	Type 3
7	-L- 19+45+/-	Type 3
8	-L- 19+63+/-	Type 1
9	-L- 24+39+/-	STANDARD
10	-L- 24+56+/-	Type 3


ID	Location	Style
11	-RAMPD_RT- 12+32+/-	Type 3
12	-RAMPD_RT- 12+32+/-	Type 3
13	-L- 30+37+/-	Type 1
14	-L- 30+80+/-	Type 1
15	-L- 31+20+/-	Type 1
16	-L- 31+69+/-	Type 1
17	-L- 34+24+/-	STANDARD
18	-L- 34+10+/-	STANDARD
19	-L- 34+02+/-	STANDARD
20	-L- 34+02+/-	STANDARD

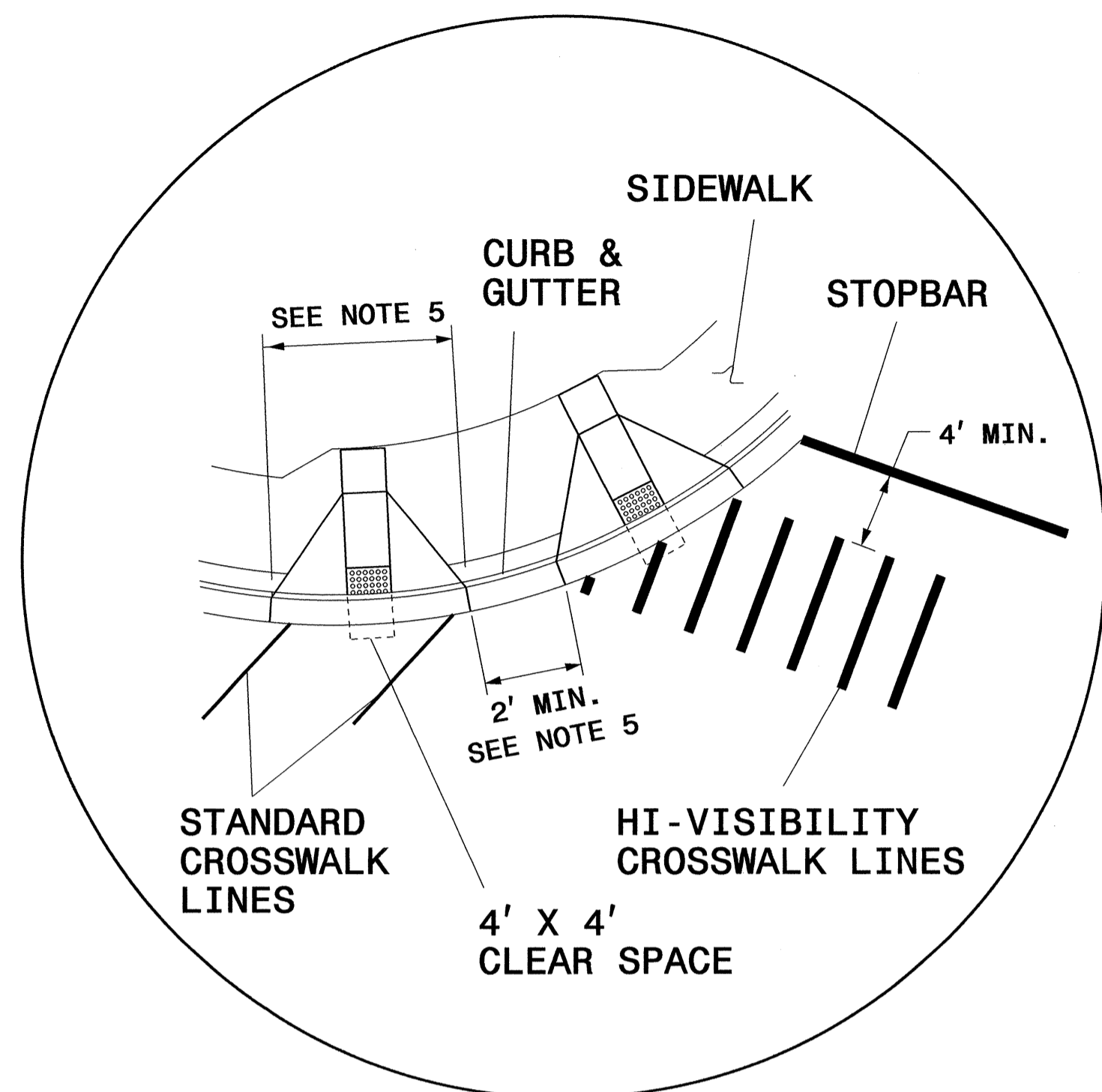
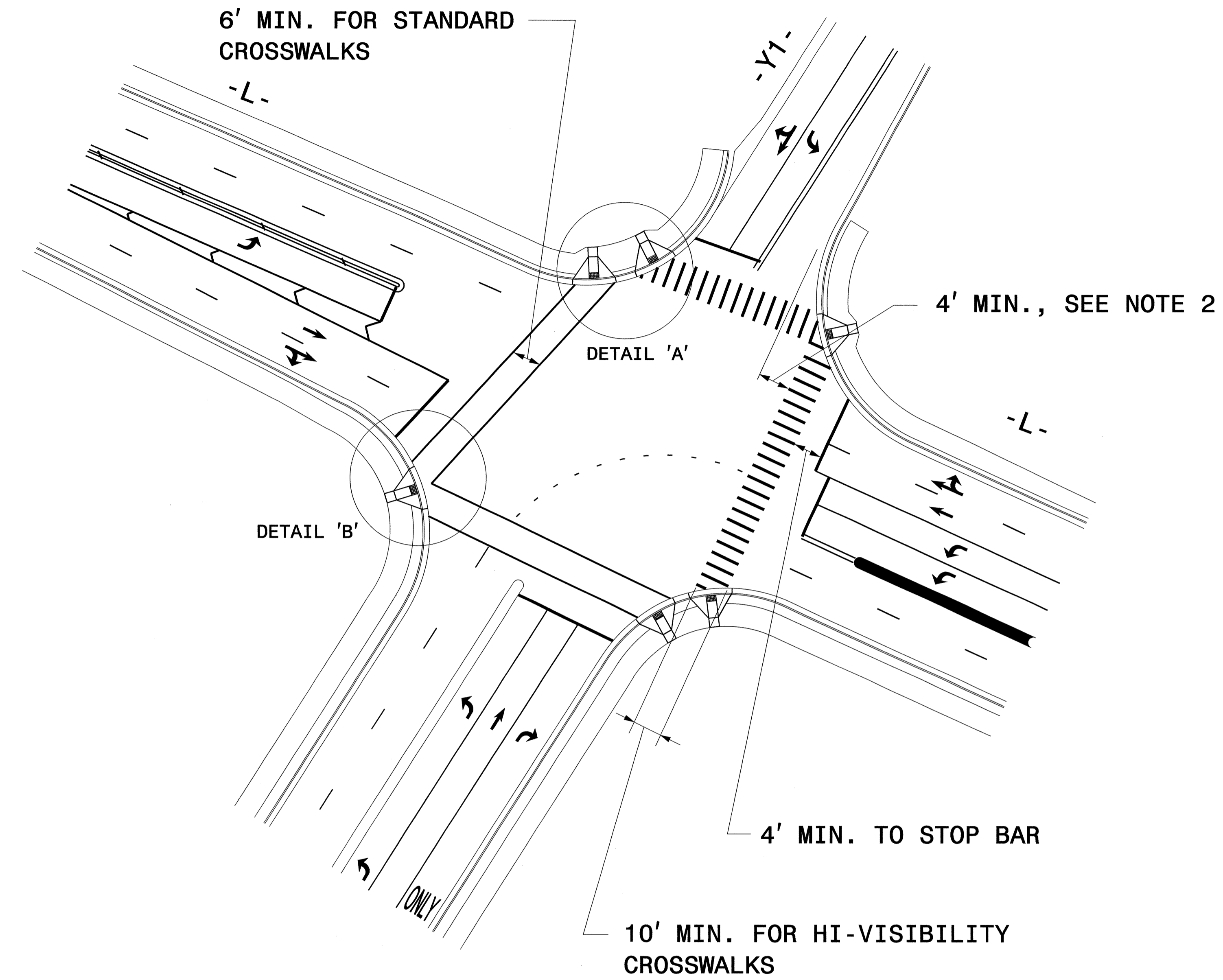
	UA-LEFT TURN ARROW
	UF-COMBO LEFT/RIGHT
	UB-RIGHT TURN ARROW
	UC-STRAIGHT ARROW
	UD-COMBO STRAIGHT/LEFT
	UE-COMBO STRAIGHT/RIGHT
	UP-MERGE ARROW
	ALPHANUMERIC CHARACTER
	CURB RAMP

- REFER TO THE ROADWAY PLAN FOR SPECIAL DETAILS OF CURB RAMP STYLES (STANDARD, TYPES 1 AND 3)
 - USE CHART FOR ALL CURB RAMP LOCATIONS FOUND ON PMP-2 THRU PMP-4

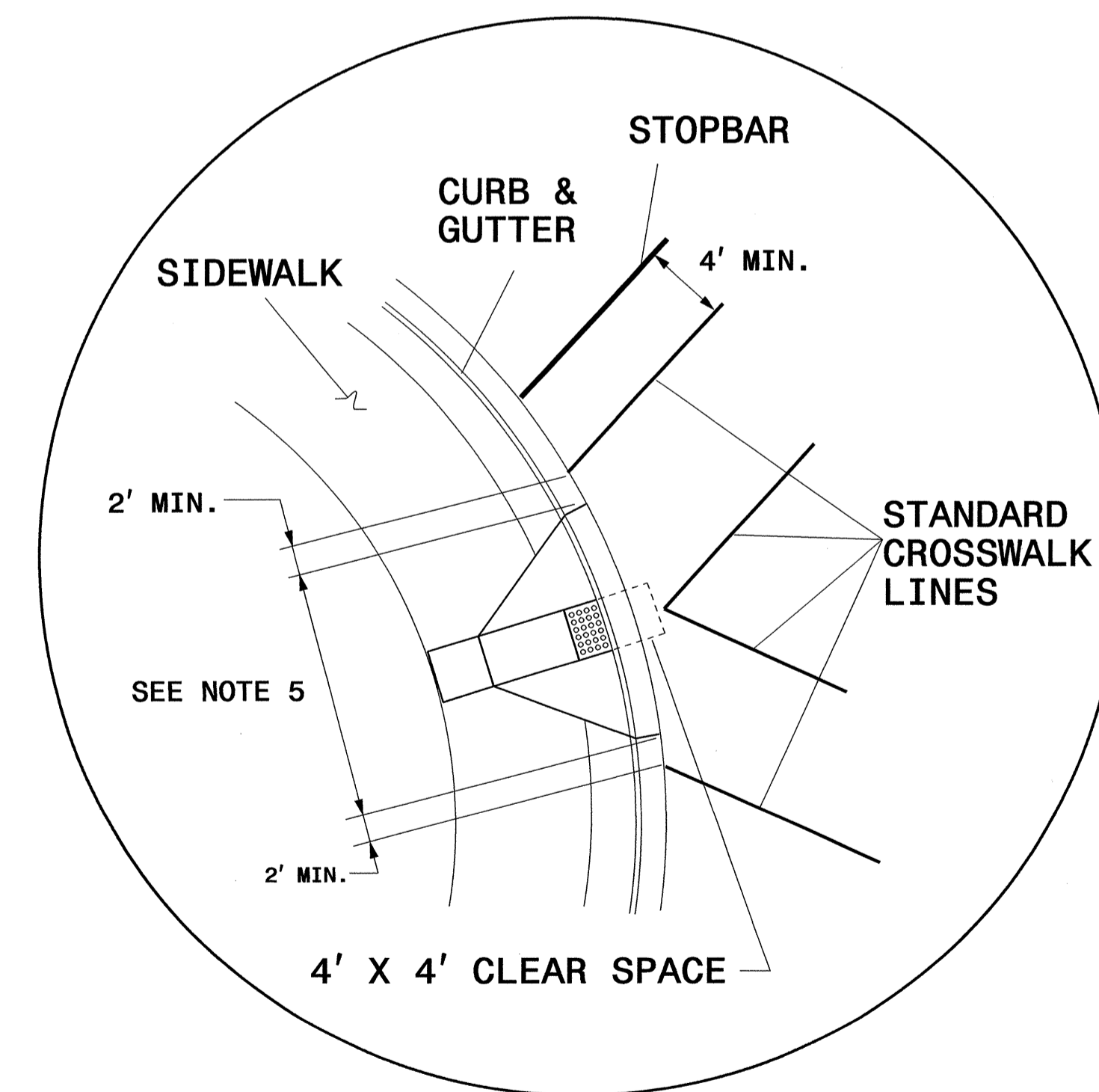
PM SCHEDULE, CURB RAMP LOCATIONS AND SYMBOL LEGEND

29-MAR-2012 07:15
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TIP NO. I-4413	SHEET NO. PMP-1B
APPROVED: <i>Amir Aljoudy</i>	
DATE: 3/29/12	
SEAL	
	
REVISIONS	



DETAIL 'A'- DUAL CURB RAMPS



DETAIL 'B'- SINGLE DIAGONAL CURB RAMP


GUIDANCE DETAIL FOR STANDARD AND HI-VISIBILITY CROSSWALKS AT SIGNALIZED OR STOP SIGN CONTROLLED INTERSECTIONS

- NOTES:
1. USE DETAILS ABOVE AND THE FOLLOWING NOTES FOR GUIDANCE IN PLACING CROSSWALKS AND STOP BARS NOT STATIONED ON THE DETAIL SHEETS OR WHEN FIELD ADJUSTMENTS REQUIRED MOVING STATIONED MARKINGS AS DIRECTED BY THE ENGINEER. REFER TO NCDOT ROADWAY STANDARD DRAWINGS, MUTCD AND ADA STANDARDS FOR ADDITIONAL GUIDANCE.
 2. SET BACK DISTANCE FROM INSIDE CROSSWALK MARKING TO NEAREST EDGE OF TRAVEL IS 4' MIN.
 3. BEYOND THE BOTTOM GRADE BRAKE, A CLEAR SPACE OF 4' X 4' MINIMUM SHALL BE PROVIDED WITHIN THE WIDTH OF THE CROSSWALK.
 4. SINGLE DIAGONAL CURB RAMPS WITH FLARED SIDES SHALL HAVE A SEGMENT OF CURB 2 FEET LONG MINIMUM LOCATED ON EACH SIDE OF THE CURB RAMP AND WITHIN THE MARKED CROSSING, SEE DETAIL 'B'.
 5. CURB RAMPS SHALL BE CONSTRUCTED IN ACCORDANCE TO THE LATEST NCDOT ROADWAY STANDARD DRAWINGS.

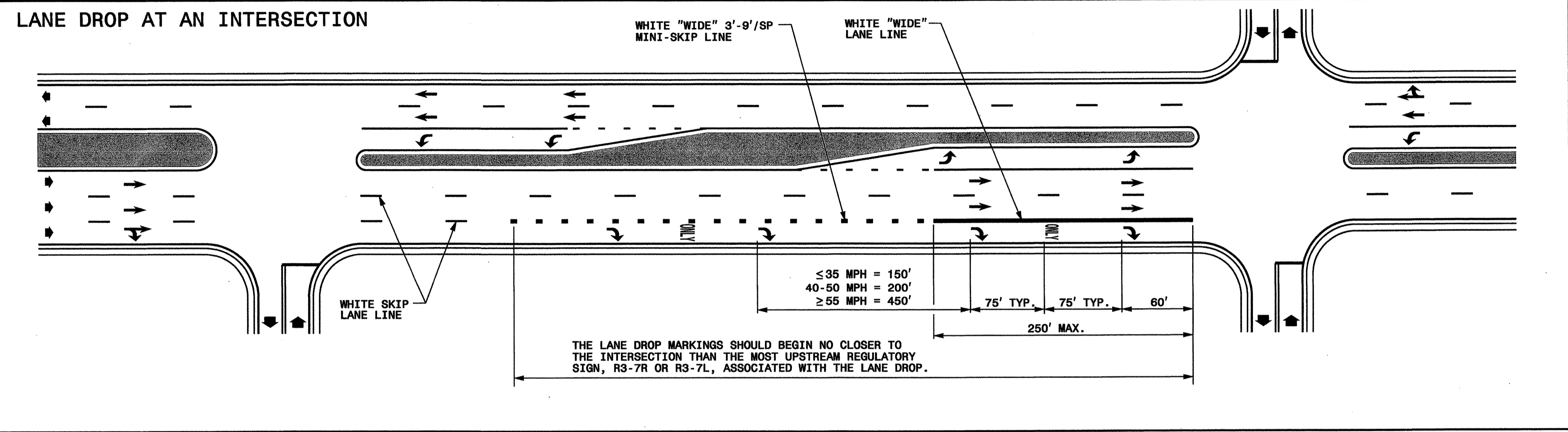
CROSSWALK AND STOP BAR PAVEMENT MARKING DETAIL

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 mmonrquez AT 1E24573TL

8/16/12

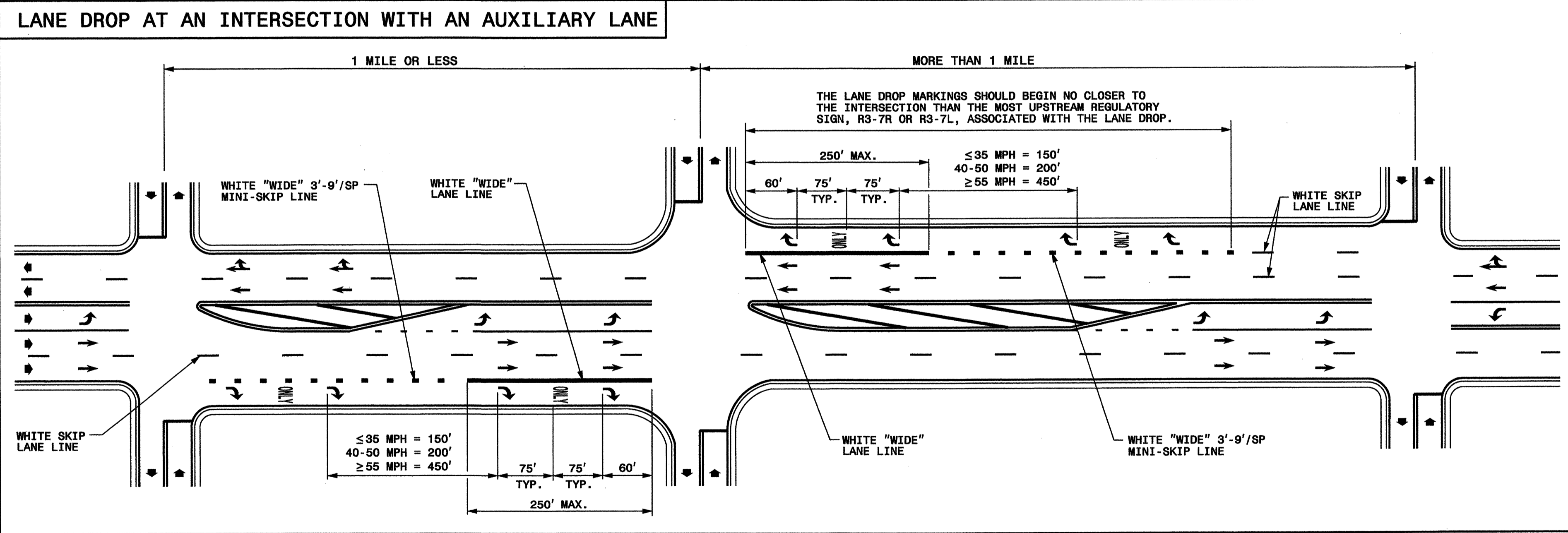
TIP NO.	SHEET NO.
I-4413	PMP-1C
APPROVED:	<i>RW</i>
DATE:	3/6/12
SEAL	

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





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

ENGLISH DETAIL DRAWING FOR
PAVEMENT MARKINGS
LANE DROPS



ENGLISH DETAIL DRAWING FOR
PAVEMENT MARKINGS
LANE DROPS

- GENERAL NOTES:
- USE THE GUIDANCE SHOWN ON THE ABOVE DETAILS IN CONJUNCTION WITH INTERSECTION GUIDANCE SHOWN ON ROADWAY STANDARD DRAWING 1205.04.
 - LANE LINES INDICATED AS "WIDE" SHALL BE AT LEAST TWICE THE WIDTH OF THE NORMAL LINE.

LEGEND	
W = WIDTH OF TRAVEL LANE	 PAVEMENT MARKING SYMBOLS & CHARACTERS
	DIRECTION OF TRAFFIC FLOW

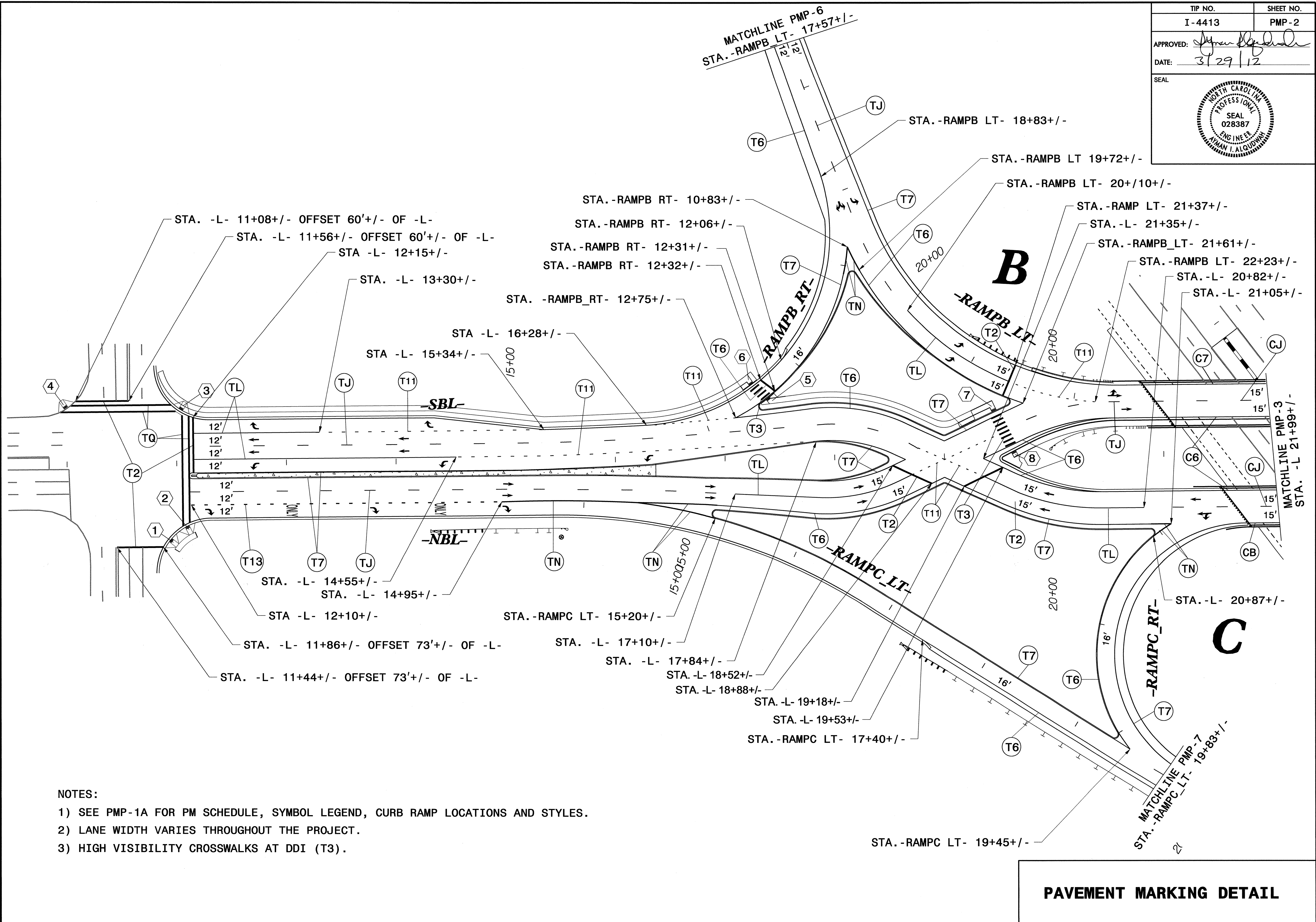
SHEET 1 OF 3
1205D06

SHEET 1 OF 3
1205D06

**REVISED PAVEMENT MARKING
ROADWAY STANDARD DRAWING**

08-MAR-2012 11:09 S:\S&DU\Standards Group\MPA\2012 Standard Drawings\Standard Dwg 8-17-11\Revised\1205060L_Rev12.dgn 9-14-11-IL_Scaled.dgn AT TE244745

TIP NO.	SHEET NO.
I-4413	PMP-2
APPROVED:	<i>[Signature]</i>
DATE:	3/29/12
SEAL	



- NOTES:**
- 1) SEE PMP-1A FOR PM SCHEDULE, SYMBOL LEGEND, CURB RAMP LOCATIONS AND STYLES.
 - 2) LANE WIDTH VARIES THROUGHOUT THE PROJECT.
 - 3) HIGH VISIBILITY CROSSWALKS AT DDI (T3).

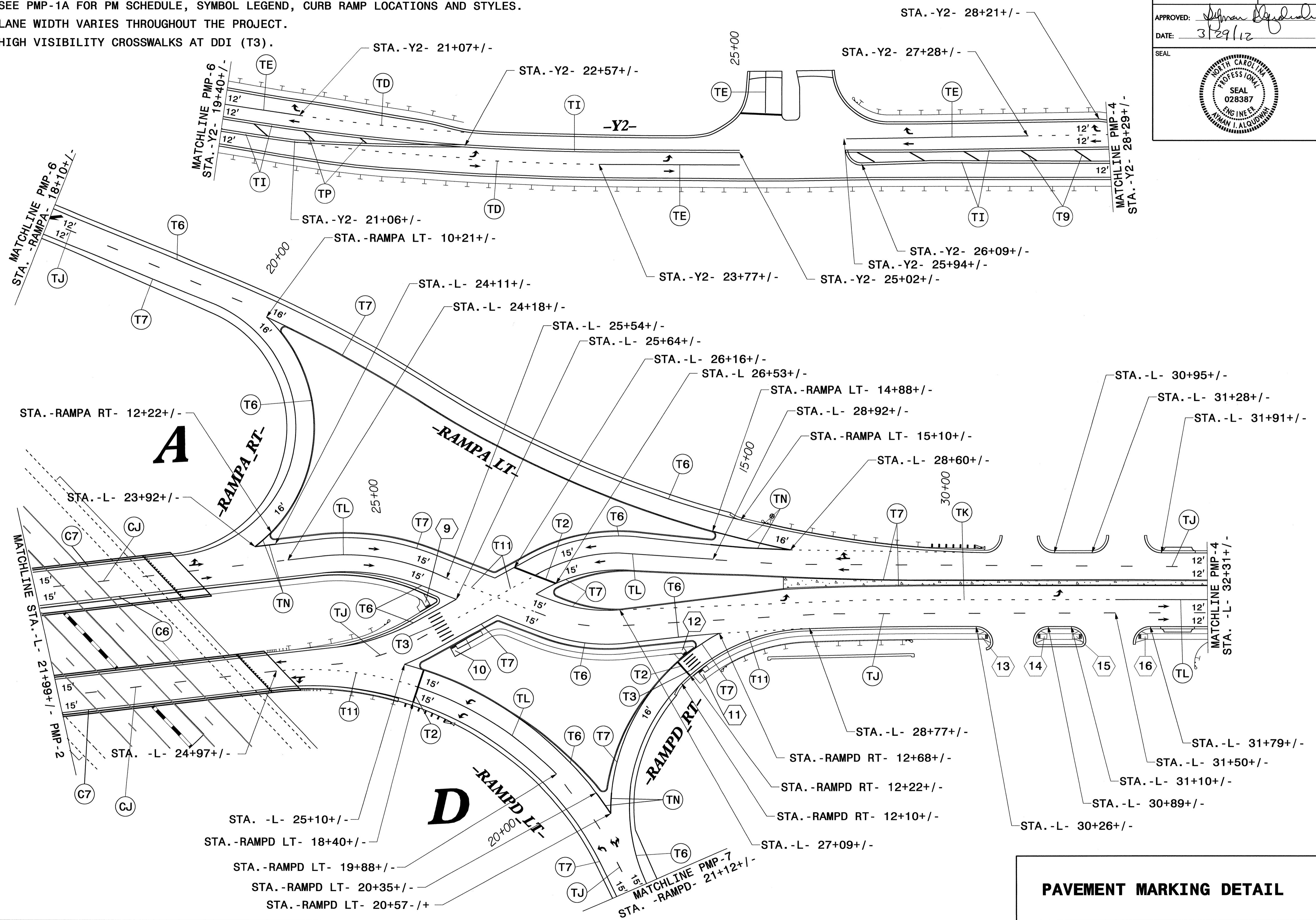
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NOTES:


- 1) SEE PMP-1A FOR PM SCHEDULE, SYMBOL LEGEND, CURB RAMP LOCATIONS AND STYLES.
- 2) LANE WIDTH VARIES THROUGHOUT THE PROJECT.
- 3) HIGH VISIBILITY CROSSWALKS AT DDI (T3).

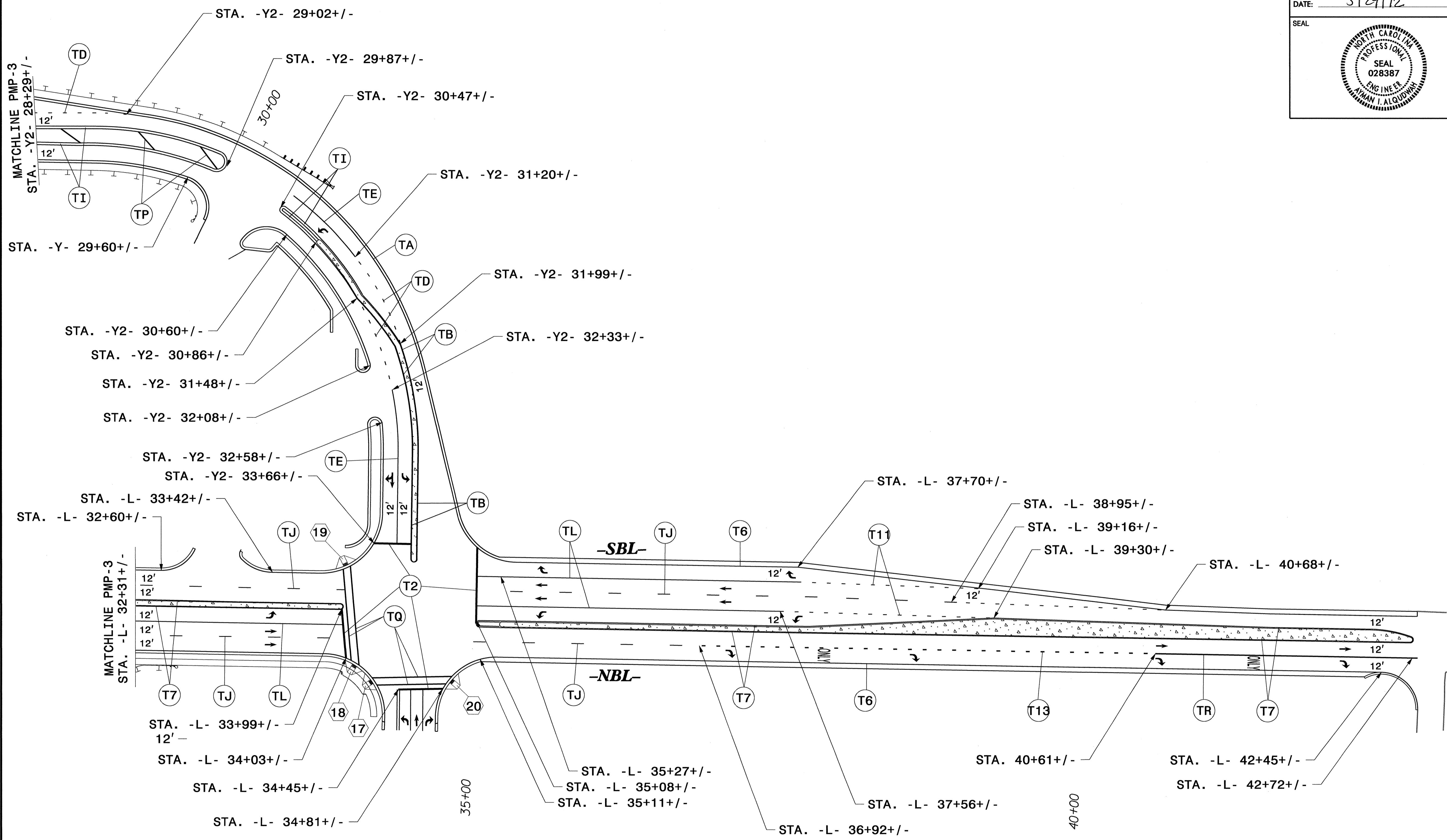
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I-4413	PMP-3
APPROVED: <i>[Signature]</i>	
DATE: 3/29/12	
SEAL	



PAVEMENT MARKING DETAIL

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TIP NO. I-4413	SHEET NO. PMP-4
APPROVED: <i>[Signature]</i>	
DATE: 3/29/12	
SEAL	
	



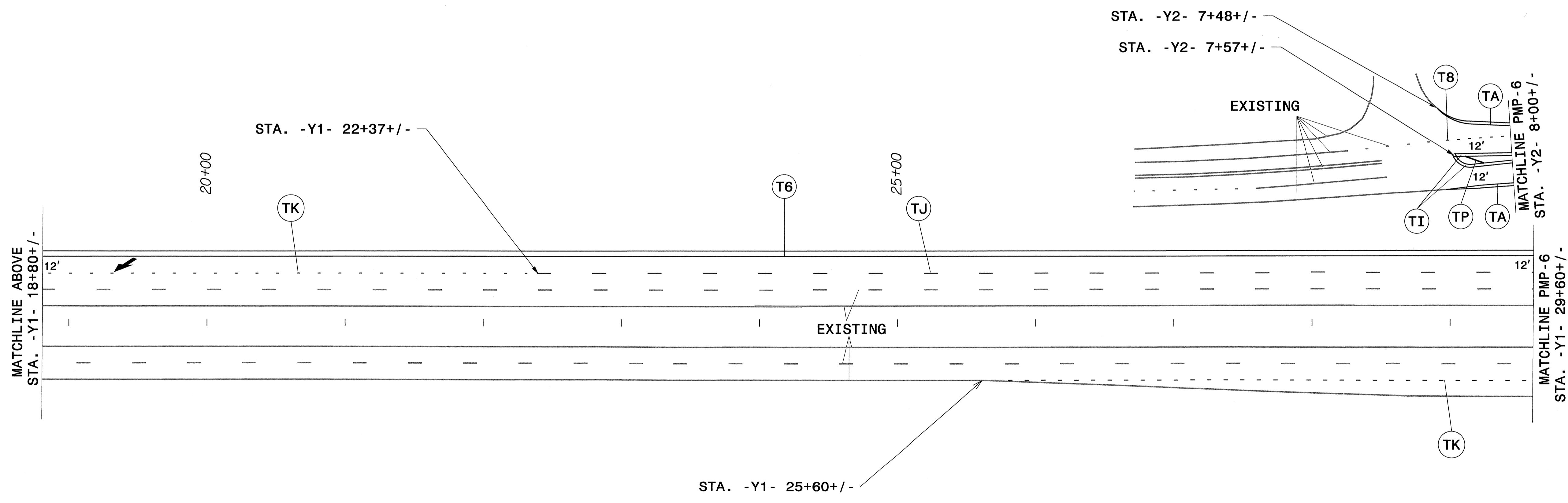
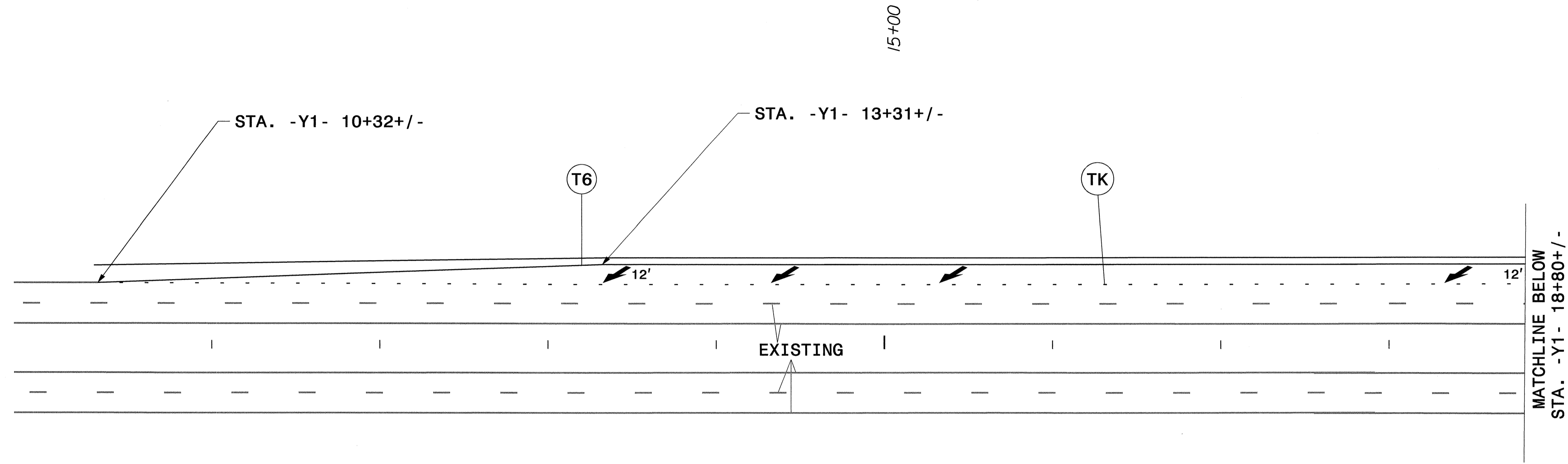
NOTES:

- 1) SEE PMP-1A FOR PM SCHEDULE, SYMBOL LEGEND, CURB RAMP LOCATIONS AND STYLES.
- 2) LANE WIDTH VARIES THROUGHOUT THE PROJECT.

PAVEMENT MARKING DETAIL

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 mchtlbgz AL TE24513TL

TIP NO.	SHEET NO.
I-4413	PMP-5
APPROVED: <i>[Signature]</i>	
DATE: 3/29/12	
SEAL	

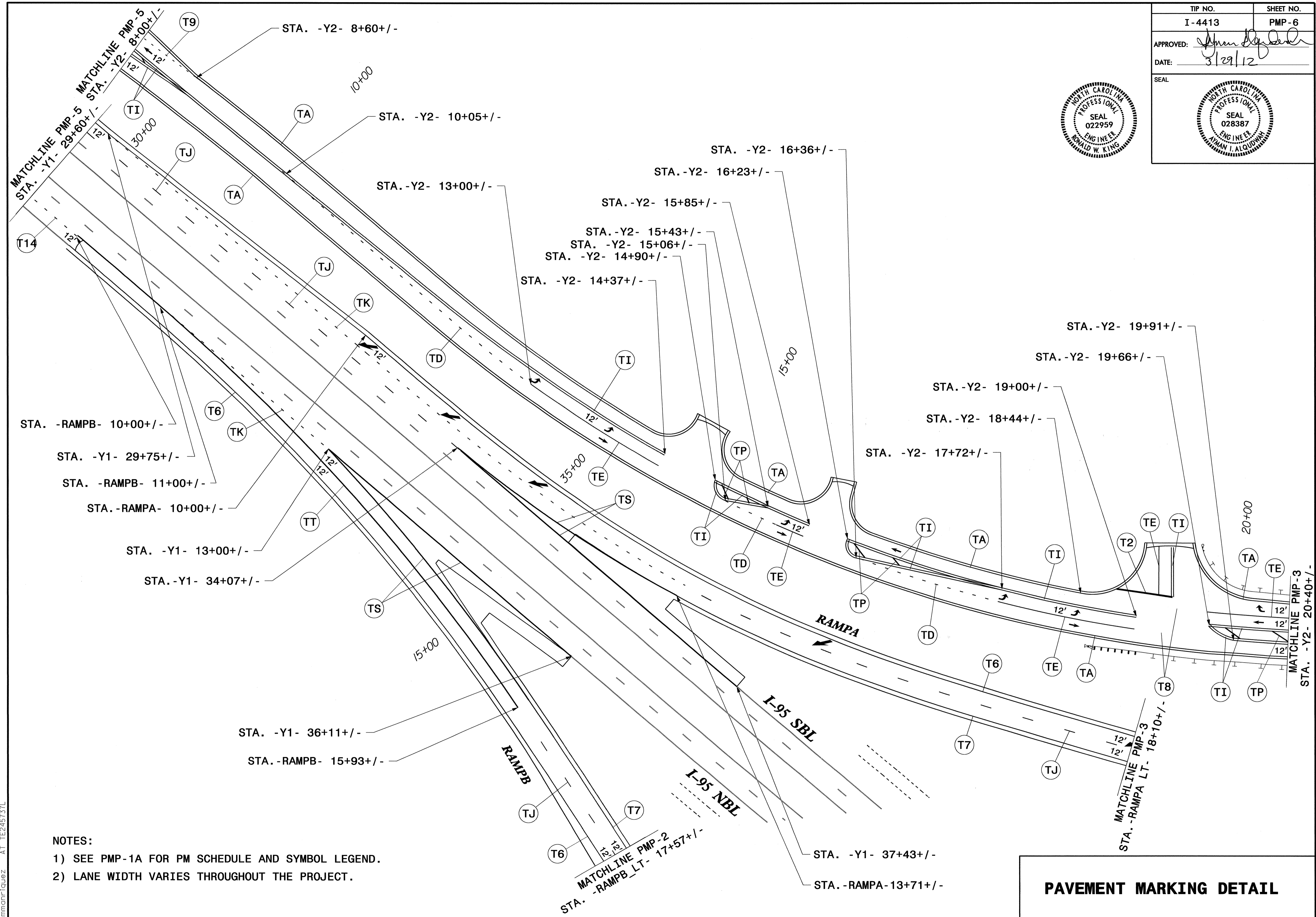
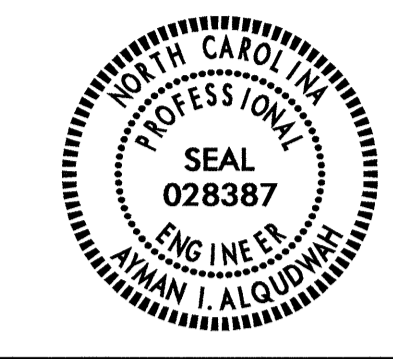


- NOTES:
- 1) SEE PMP-1A FOR PM SCHEDULE AND SYMBOL LEGEND.
 - 2) LANE WIDTH VARIES THROUGHOUT THE PROJECT.

PAVEMENT MARKING DETAIL

29-MAR-2012 06:57
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DATE: 3/29/12	
SEAL	

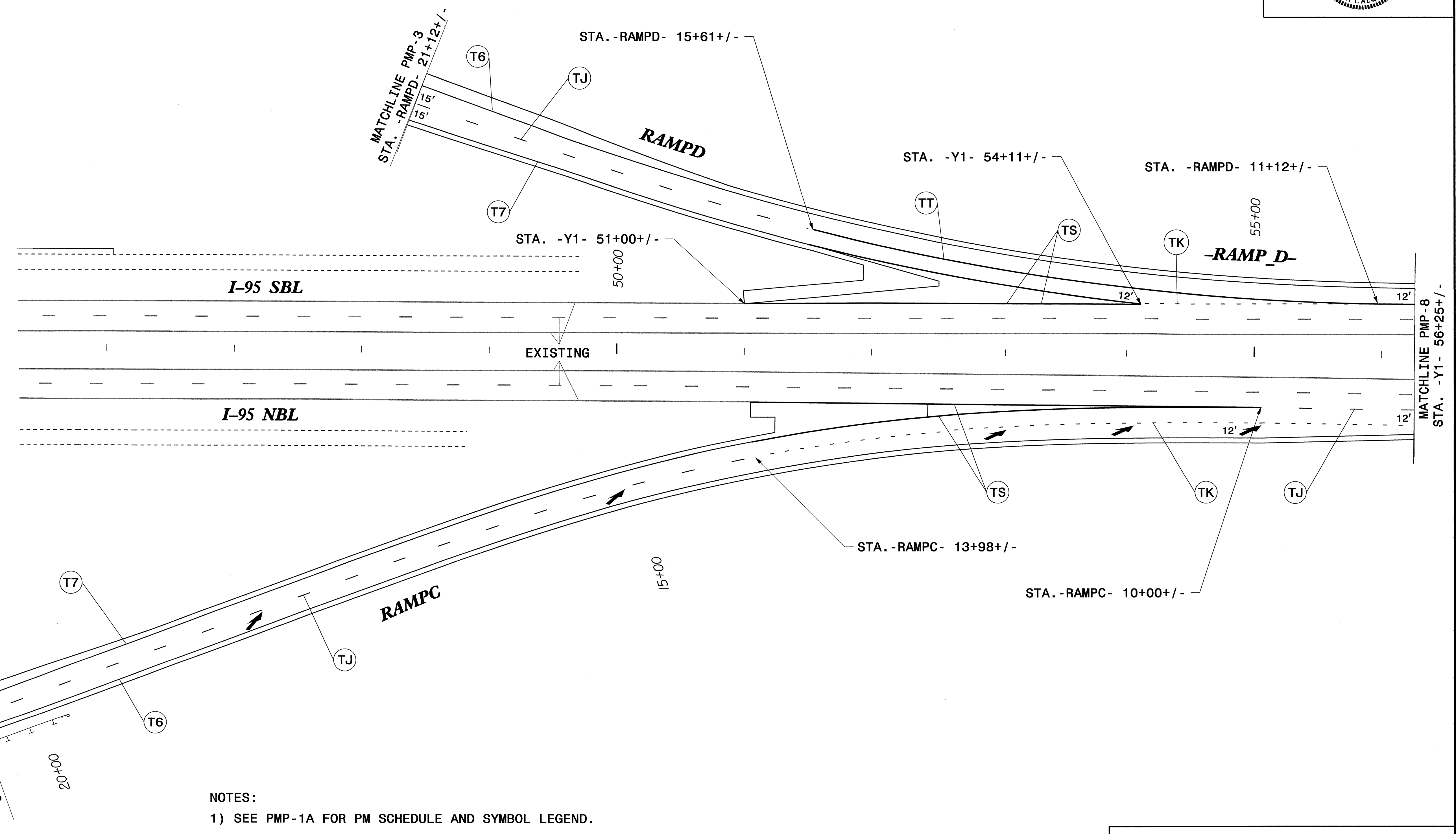


- NOTES:
- 1) SEE PMP-1A FOR PM SCHEDULE AND SYMBOL LEGEND.
 - 2) LANE WIDTH VARIES THROUGHOUT THE PROJECT.

PAVEMENT MARKING DETAIL

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 mmontriquez AT 1E245737L

TIP NO. I-4413	SHEET NO. PMP-7
APPROVED: <i>[Signature]</i>	
DATE: 3/29/12	
SEAL	

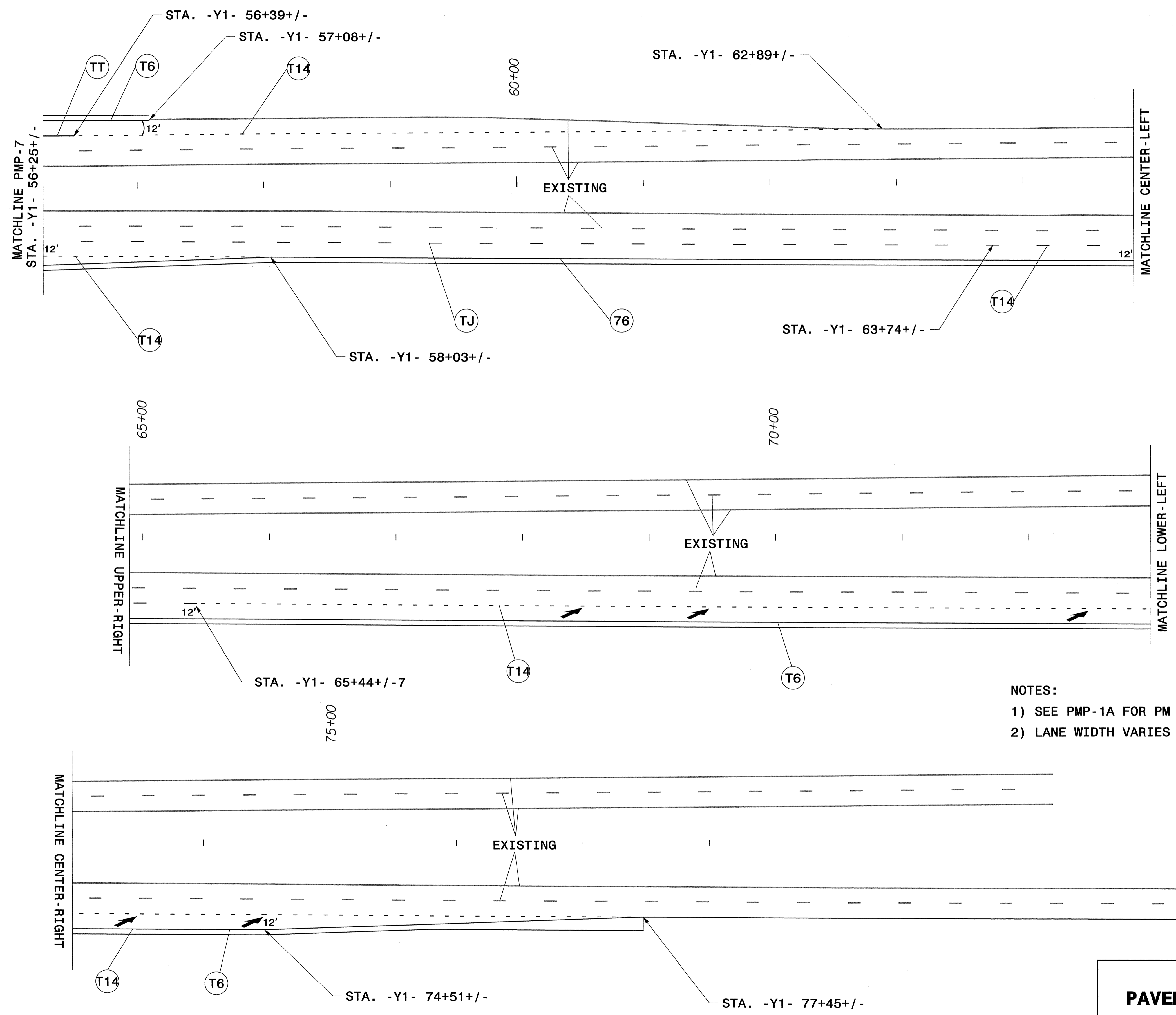


- NOTES:
- 1) SEE PMP-1A FOR PM SCHEDULE AND SYMBOL LEGEND.
 - 2) LANE WIDTH VARIES THROUGHOUT THE PROJECT.

PAVEMENT MARKING DETAIL

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TIP NO.	SHEET NO.
I-4413	PMP-8
APPROVED: <i>[Signature]</i>	
DATE: 3/29/12	
SEAL	



- NOTES:
- 1) SEE PMP-1A FOR PM SCHEDULE AND SYMBOL LEGEND.
 - 2) LANE WIDTH VARIES THROUGHOUT THE PROJECT.

PAVEMENT MARKING DETAIL

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