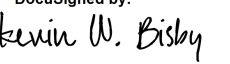
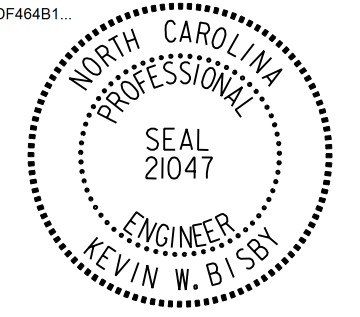


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# PAVEMENT MARKING PLAN

**LOCATION: CONCORD MILLS BLVD WEST OF I-85  
CABARRUS COUNTY**

**T.I.P.: U-5806**

### ROADWAY STANDARD DRAWINGS

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
848.05	CURB RAMP - PROPOSED CURB and GUTTER
1205.01	PAVEMENT MARKINGS - LINE TYPES AND OFFSETS
1205.02	PAVEMENT MARKINGS - TWO-LANE AND MULTILANE ROADWAYS
1205.04	PAVEMENT MARKINGS - INTERSECTIONS
1205.05	PAVEMENT MARKINGS - TURN LANES
1205.06	PAVEMENT MARKINGS - LANE DROPS
1205.08	PAVEMENT MARKINGS - SYMBOLS AND WORD MESSAGES
1205.09	PAVEMENT MARKINGS - PAINTED ISLANDS
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

### INDEX OF SHEETS

SHEET NO.	DESCRIPTION
PMP-1	PAVEMENT MARKING PLAN TITLE SHEET, APPLICABLE ROADWAY STD. DWGS., GENERAL NOTES
PMP-2	PAVEMENT MARKING SCHEDULE
PMP-2A and 2B	DETAILS TO BE USED IN LIEU OF ROADWAY STANDARD DRAWINGS
PMP-2C	CROSSWALK GUIDANCE DETAIL
PMP-3 - PMP-6	PAVEMENT MARKING DETAILS

### 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
CONCORD MILLS BLVD	THERMOPLASTIC	SNOWPLOWABLE
-Y1-	THERMOPLASTIC	PERMANENT RAISED
-DRW06-	PAINT	NONE
-DRW01-, DRW02-, -DRW03-	THERMOPLASTIC	NONE
STRUCTURE	COLD APPLIED PLASTIC TYPE II	PERMANENT RAISED

B. PLACE TWO APPLICATIONS OF PAINT PAVEMENT MARKINGS ON THE FINAL WEARING SURFACE. PLACE THE SECOND APPLICATION OF PAINT UPON SUFFICIENT DRYING TIME OF THE FIRST.

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.

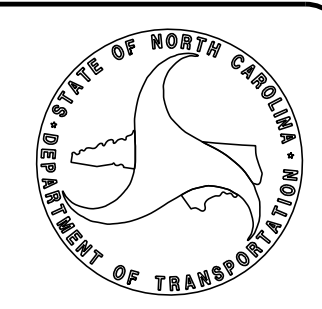
F. REMOVE ALL RESIDUE AND SURFACE LAITANCE BY ACCEPTABLE METHODS ON CONCRETE BRIDGE DECKS PRIOR TO PLACING PAINT PAVEMENT MARKING MATERIAL.

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

K. L. JORDAN SIGNING & DELINEATION REGIONAL ENGINEER  
D. H. BEARD SIGNING & DELINEATION DESIGN ENGINEER

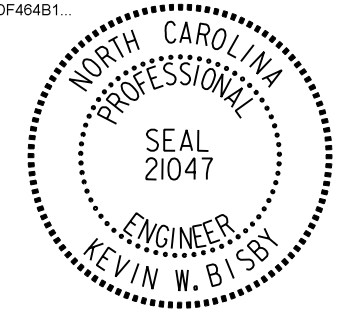


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Pavement Marking Symbols		
Symbol	Description	Material
CA	WHITE EDGELINE (4")	COLD APPLIED
CB	YELLOW EDGELINE (4")	COLD APPLIED
CC	10 FT. WHITE SKIP (4")	COLD APPLIED
P2	WHITE STOPBAR (24", 120 MIL)	PAINT
PA	WHITE EDGELINE (4")	PAINT
PB	YELLOW EDGELINE (4")	PAINT
PC	10 FT. WHITE SKIP (4")	PAINT
PE	WHITE SOLID LANE LINE (4")	PAINT
PI	YELLOW DOUBLE CENTER (4")	PAINT
PN	WHITE GORELINE (8")	PAINT
QB	RIGHT TURN ARROW	PAINT
QC	STRAIGHT ARROW	PAINT
QD	COMBO. LEFT/STRAIGHT ARROW	PAINT
QE	COMBO. RIGHT/STRAIGHT ARROW	PAINT
QI	ALPHANUMERIC CHAR.	PAINT
T2	WHITE STOPBAR (24", 120 MIL)	THERMOPLASTIC
T8	2 FT. - 6 FT./SP WHITE MINISKIP (4", 120 MIL)	THERMOPLASTIC
T13	3 FT. - 9 FT./SP WHITE MINISKIP (8", 120 MIL)	THERMOPLASTIC
TA	WHITE EDGELINE (4", 90 MIL)	THERMOPLASTIC
TB	YELLOW EDGELINE (4", 90 MIL)	THERMOPLASTIC
TC	10 FT. WHITE SKIP (4", 120 MIL)	THERMOPLASTIC
TD	3 FT. - 9 FT./SP WHITE MINISKIP (4", 120 MIL)	THERMOPLASTIC
TE	WHITE SOLID LANE LINE (4", 120 MIL)	THERMOPLASTIC
TN	WHITE GORELINE (8", 90 MIL)	THERMOPLASTIC
TO	WHITE DIAGONAL (8", 90 MIL)	THERMOPLASTIC
TQ	WHITE CROSSWALK LINE (8", 120 MIL)	THERMOPLASTIC
TR	WHITE SOLID LANE LINE (8", 120 MIL)	THERMOPLASTIC
TU	WHITE DIAGONAL (12", 90 MIL)	THERMOPLASTIC
TV	YELLOW DIAGONAL (12", 90 MIL)	THERMOPLASTIC
UA	LEFT TURN ARROW (90 MIL)	THERMOPLASTIC
UB	RIGHT TURN ARROW (90 MIL)	THERMOPLASTIC
UC	STRAIGHT ARROW (90 MIL)	THERMOPLASTIC
UE	COMBO. RIGHT/STRAIGHT ARROW (90 MIL)	THERMOPLASTIC
UI	ALPHANUMERIC CHAR. (120 MIL)	THERMOPLASTIC
Pavement Marker Symbols		
Symbol	Description	
MB	PERMANENT RAISED MARKER	CRYSTAL/RED
MF	SNOWPLOWABLE MARKER	CRYSTAL/RED

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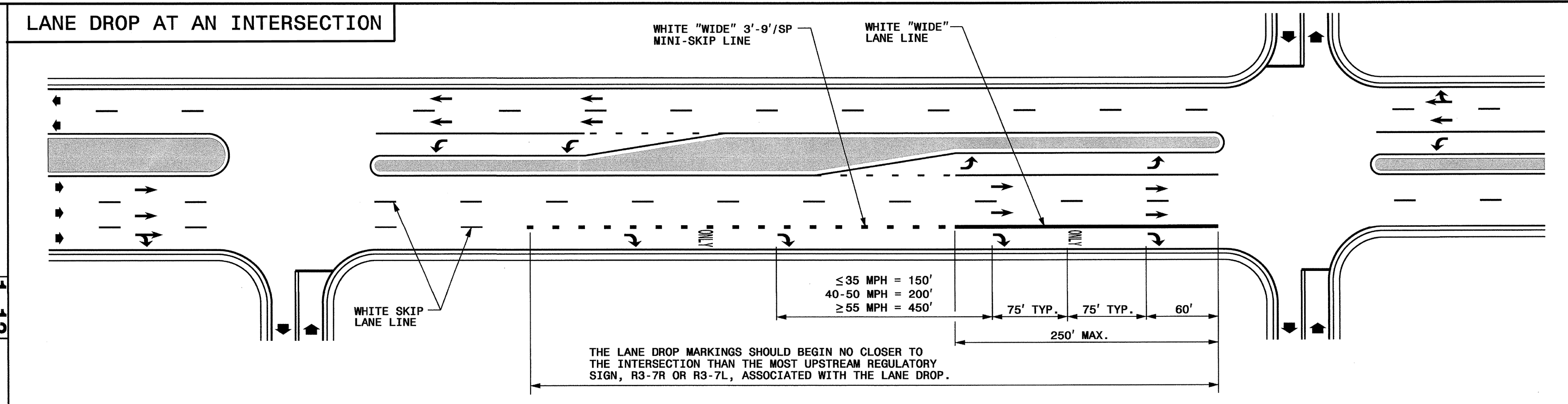
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**PAVEMENT MARKING SCHEDULE**

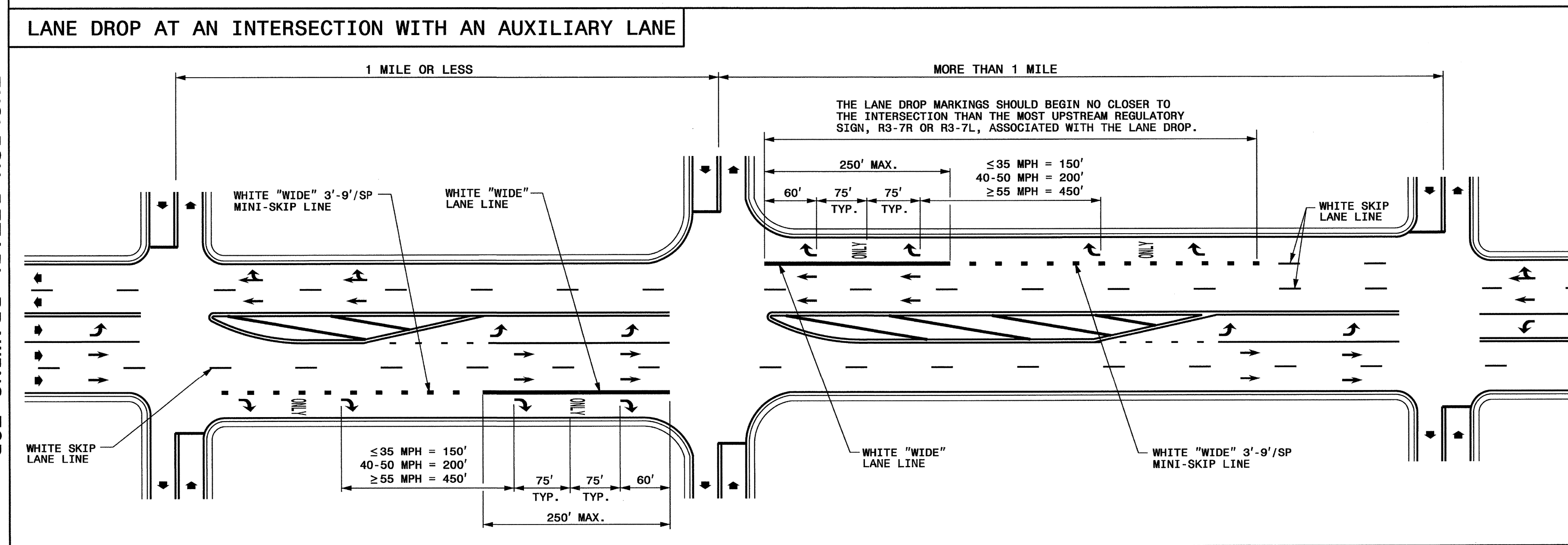


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ENGLISH DETAIL DRAWING FOR  
PAVEMENT MARKINGS  
LANE DROPS



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

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

SHEET 1 OF 3  
**1205D06**

SHEET 1 OF 3  
**1205D06**

**REVISED PAVEMENT MARKING  
ROADWAY STANDARD DRAWING**

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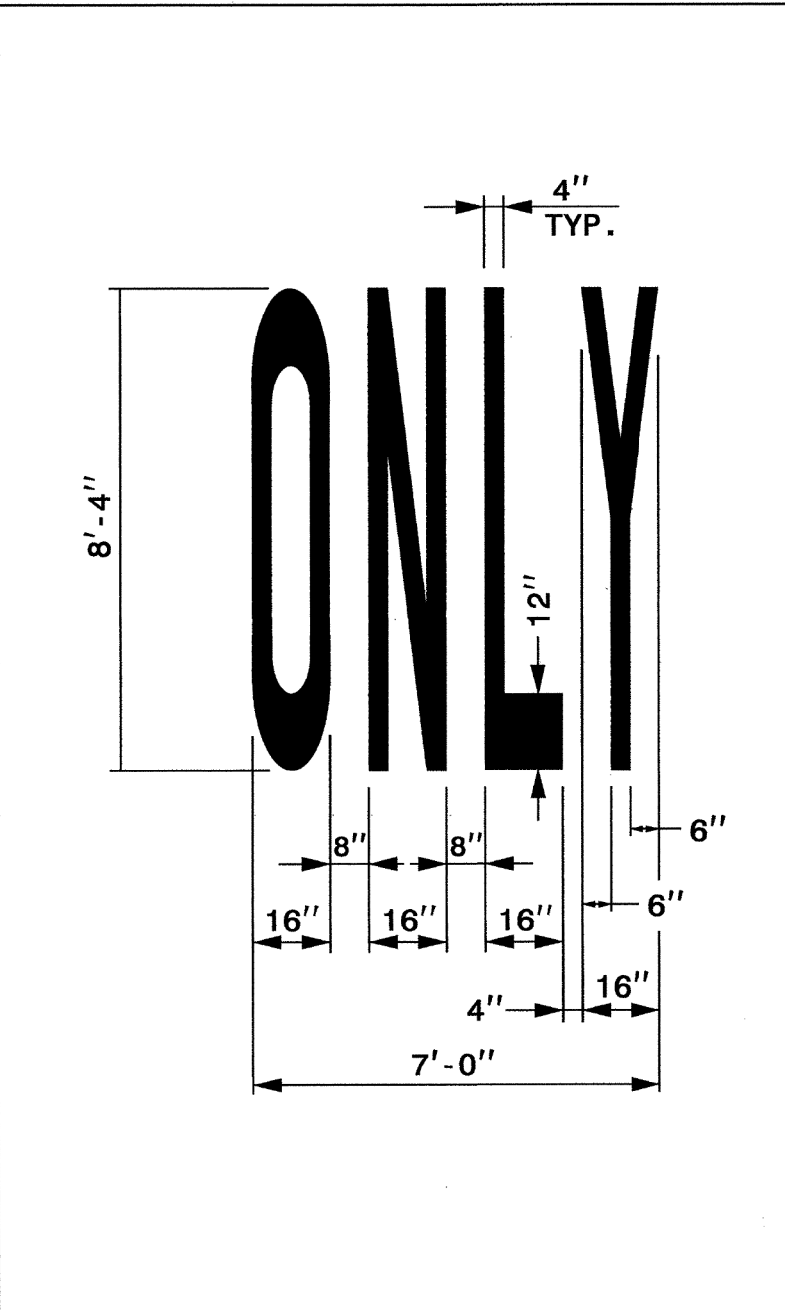
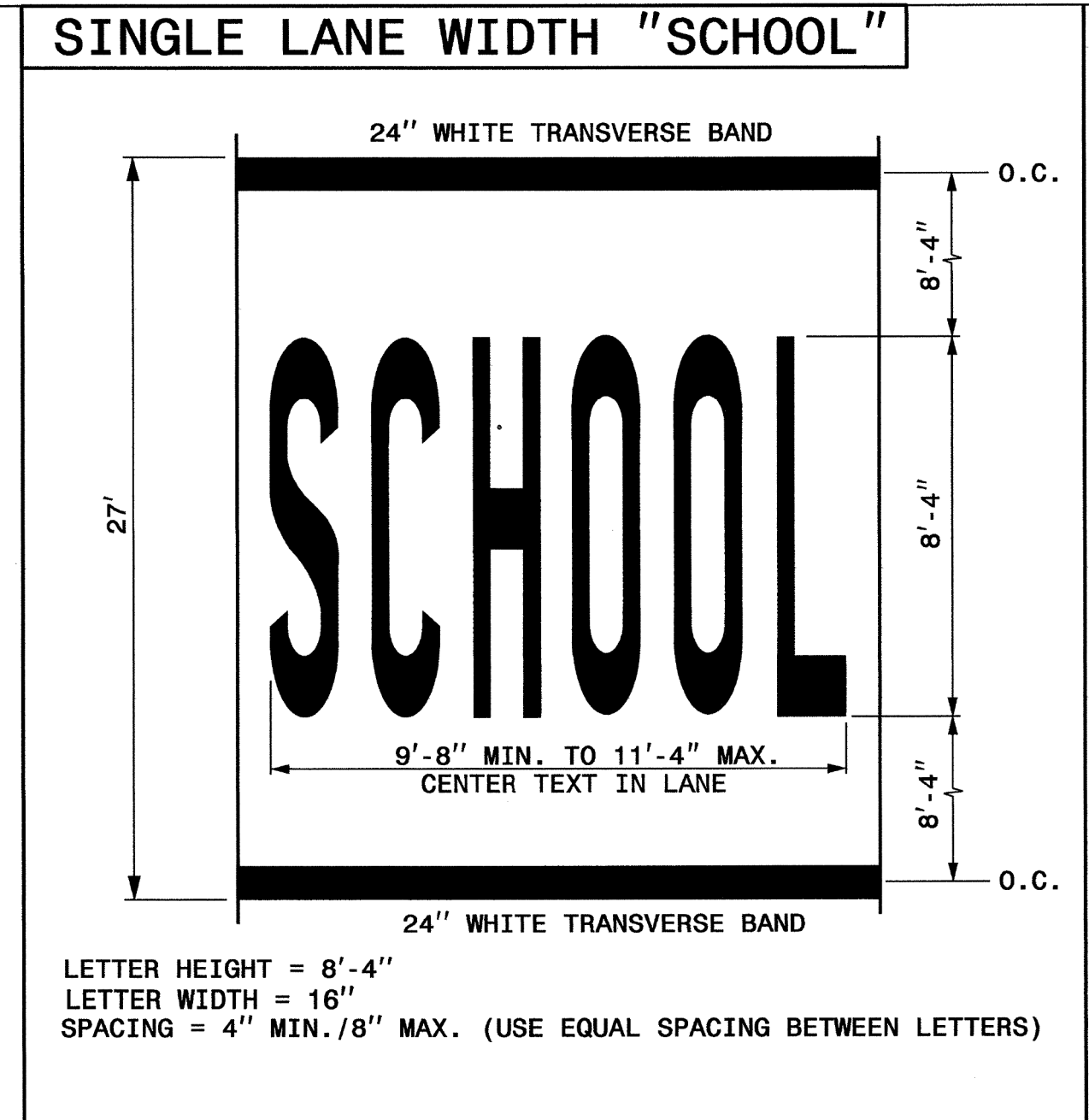
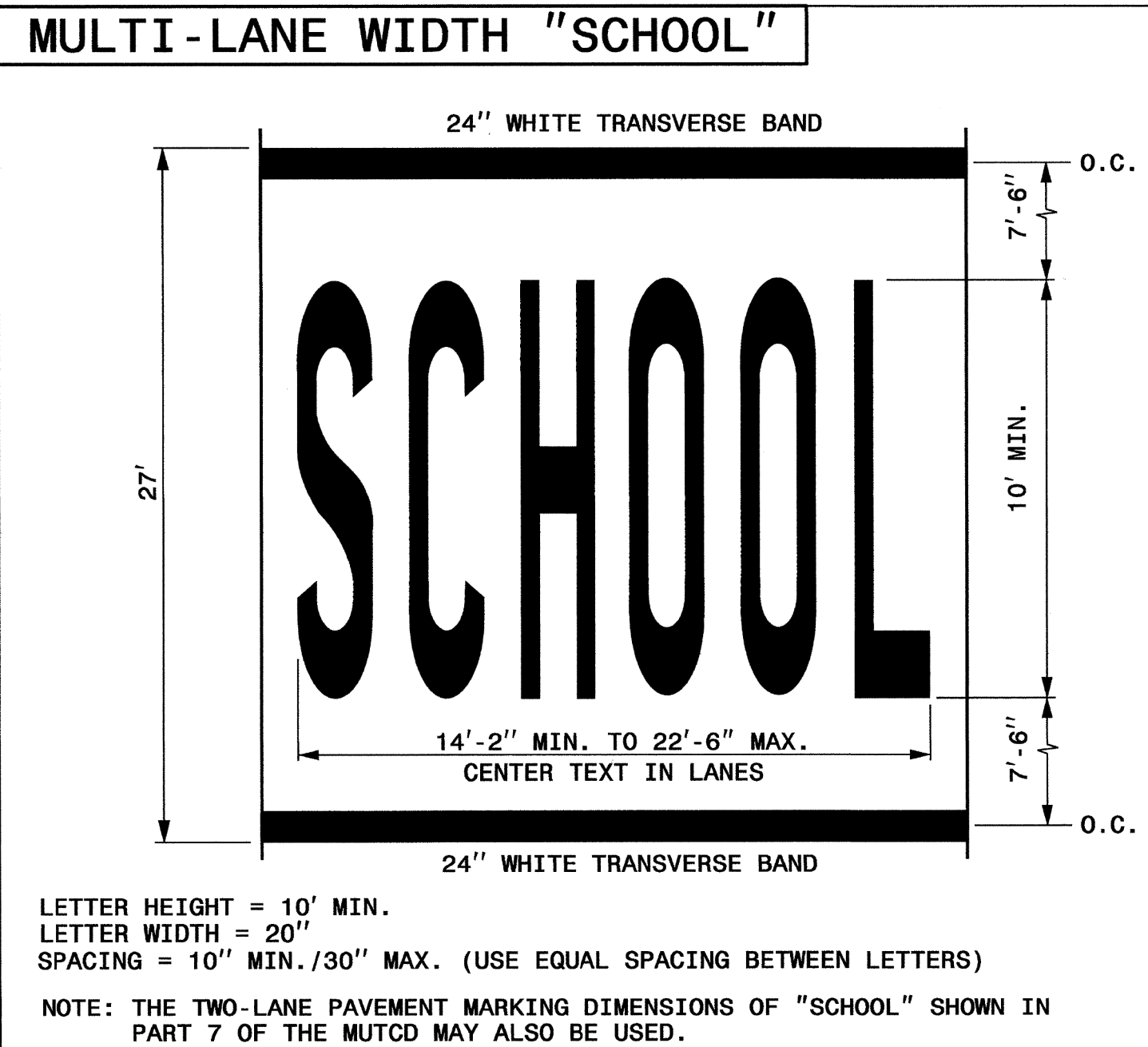
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ENGLISH DETAIL DRAWING FOR  
PAVEMENT MARKINGS  
SYMBOLS AND WORD MESSAGES

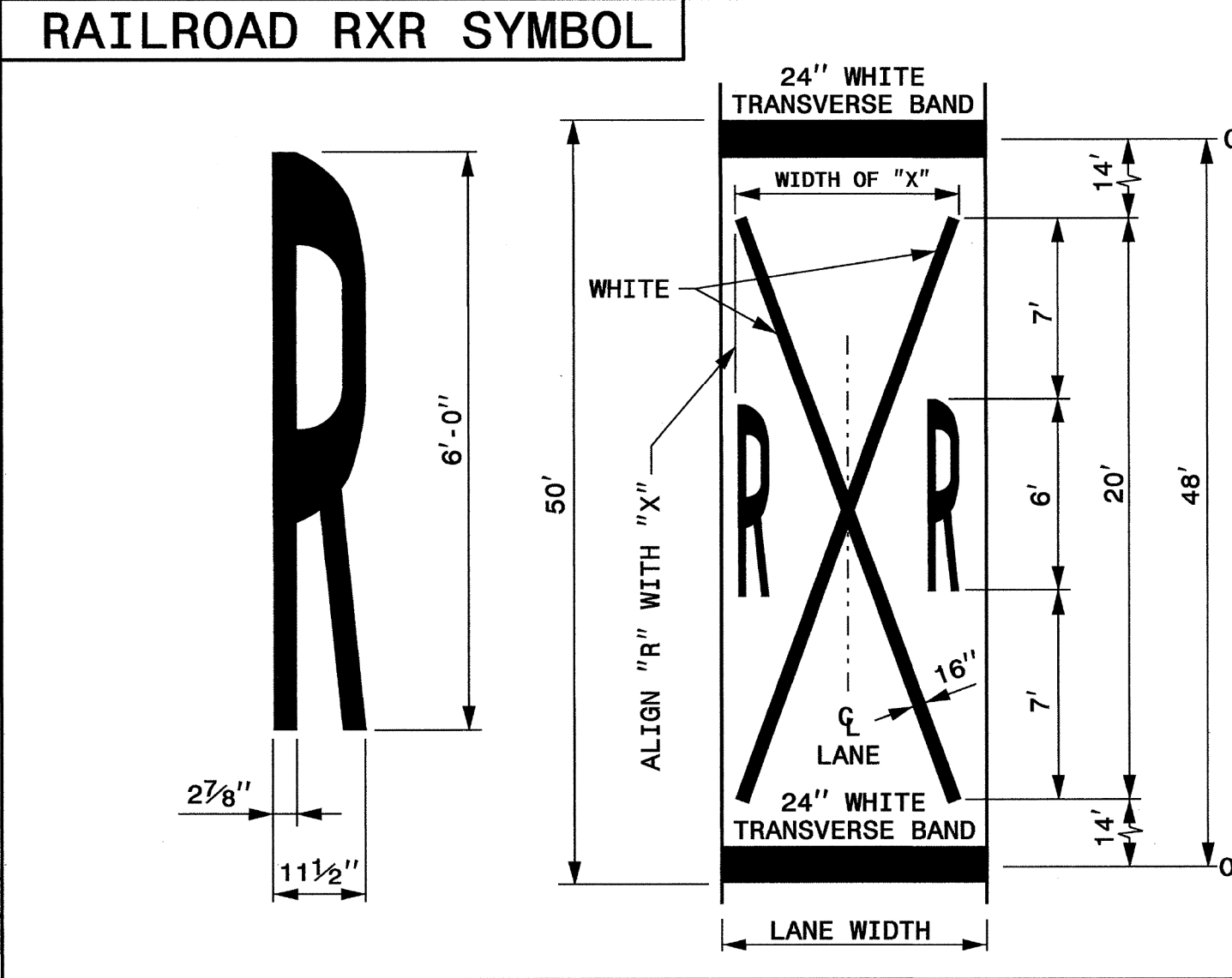
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ENGLISH DETAIL DRAWING FOR  
PAVEMENT MARKINGS  
SYMBOLS AND WORD MESSAGES

SHEET 3 OF 8  
1205D08



LANE WIDTH (FEET)	WIDTH OF "X" (FEET)
8' ≤ W ≤ 9'	7'
9' < W ≤ 12'	8'
W > 12'	10'

- GENERAL NOTES:
- 1- THE SCHOOL PAVEMENT MARKING CONSISTS OF SIX (6) CHARACTERS. THE TWO (2) 24" TRANSVERSE BANDS WILL BE PAID FOR UNDER A SEPARATE PAY ITEM. REFER TO ROADWAY STANDARD DRAWING 1205.10 FOR ADDITIONAL PAVEMENT MARKING GUIDANCE.
  - 2- PAVEMENT MARKING IN ADVANCE OF A HIGHWAY-RAIL CROSSING SHALL CONSIST OF TWO (2) CHARACTERS AND TWO (2) 16" LINES (FORMING AN X) WHICH ARE PAID FOR UNDER TWO SEPARATE PAY ITEMS. THE TWO (2) 24" TRANSVERSE BANDS WILL BE PAID FOR UNDER A SEPARATE PAY ITEM. REFER TO ROADWAY STANDARD DRAWING 1205.11 FOR ADDITIONAL PAVEMENT MARKING GUIDANCE.

REVISED PAVEMENT MARKING  
ROADWAY STANDARD DRAWING

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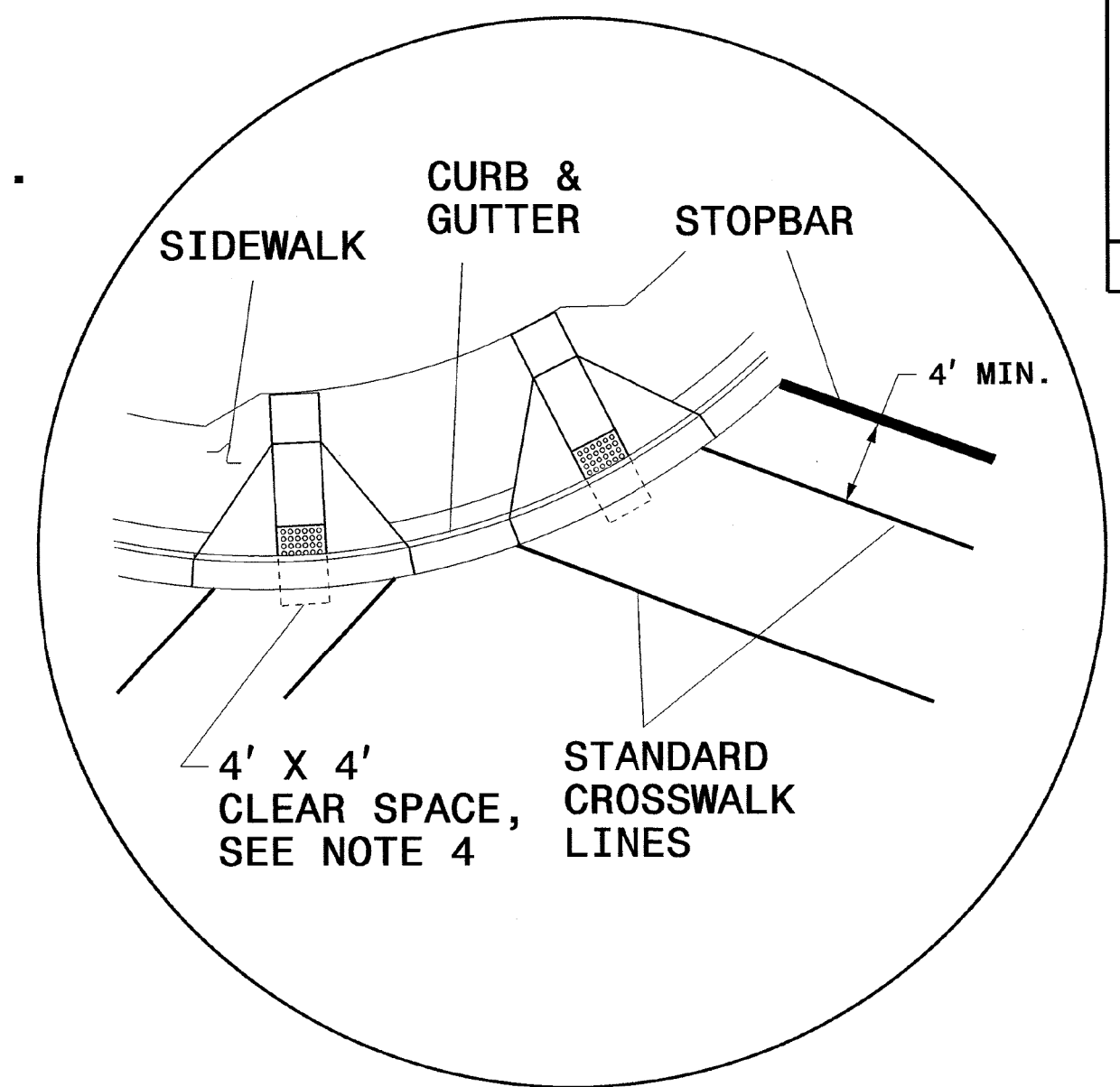
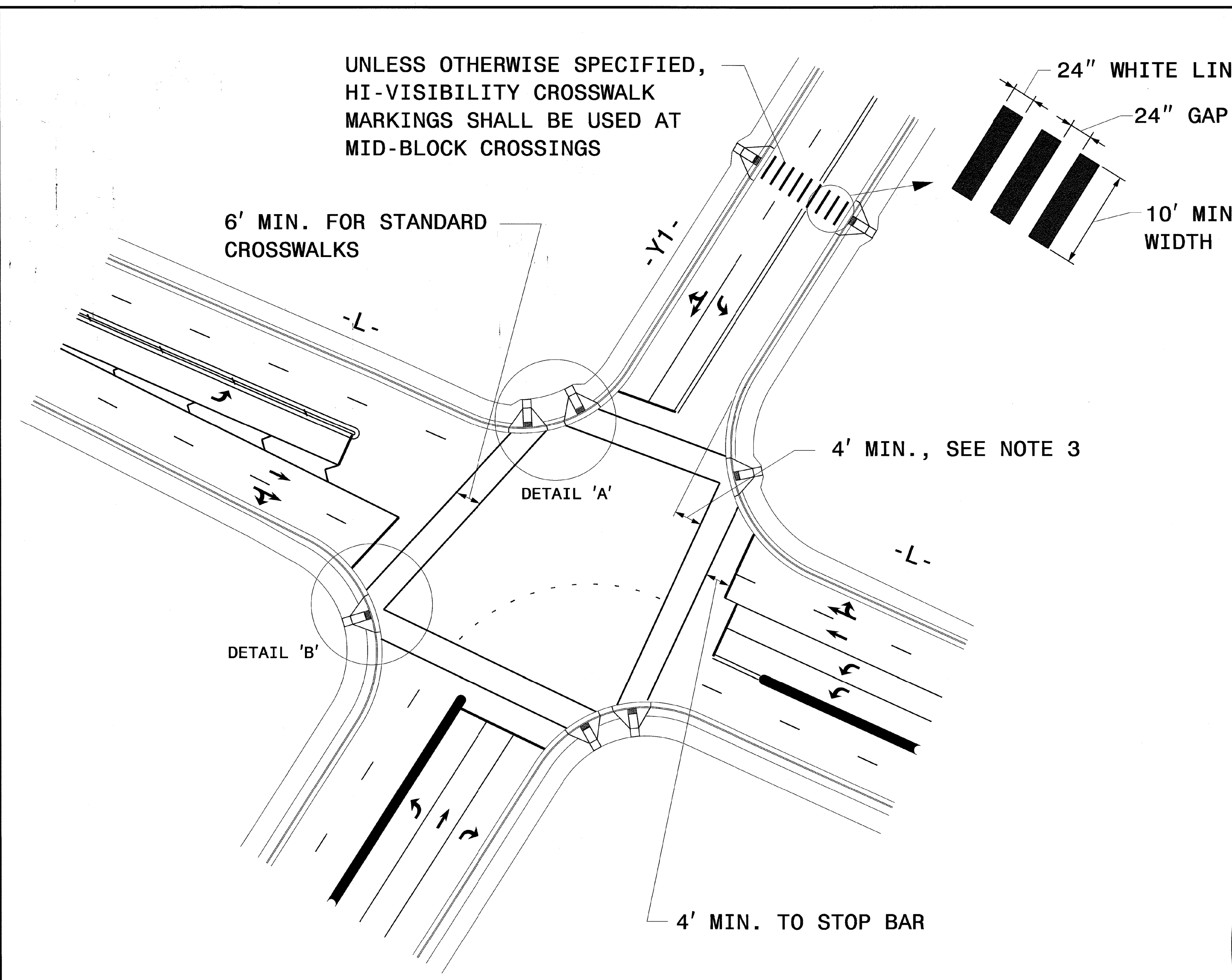
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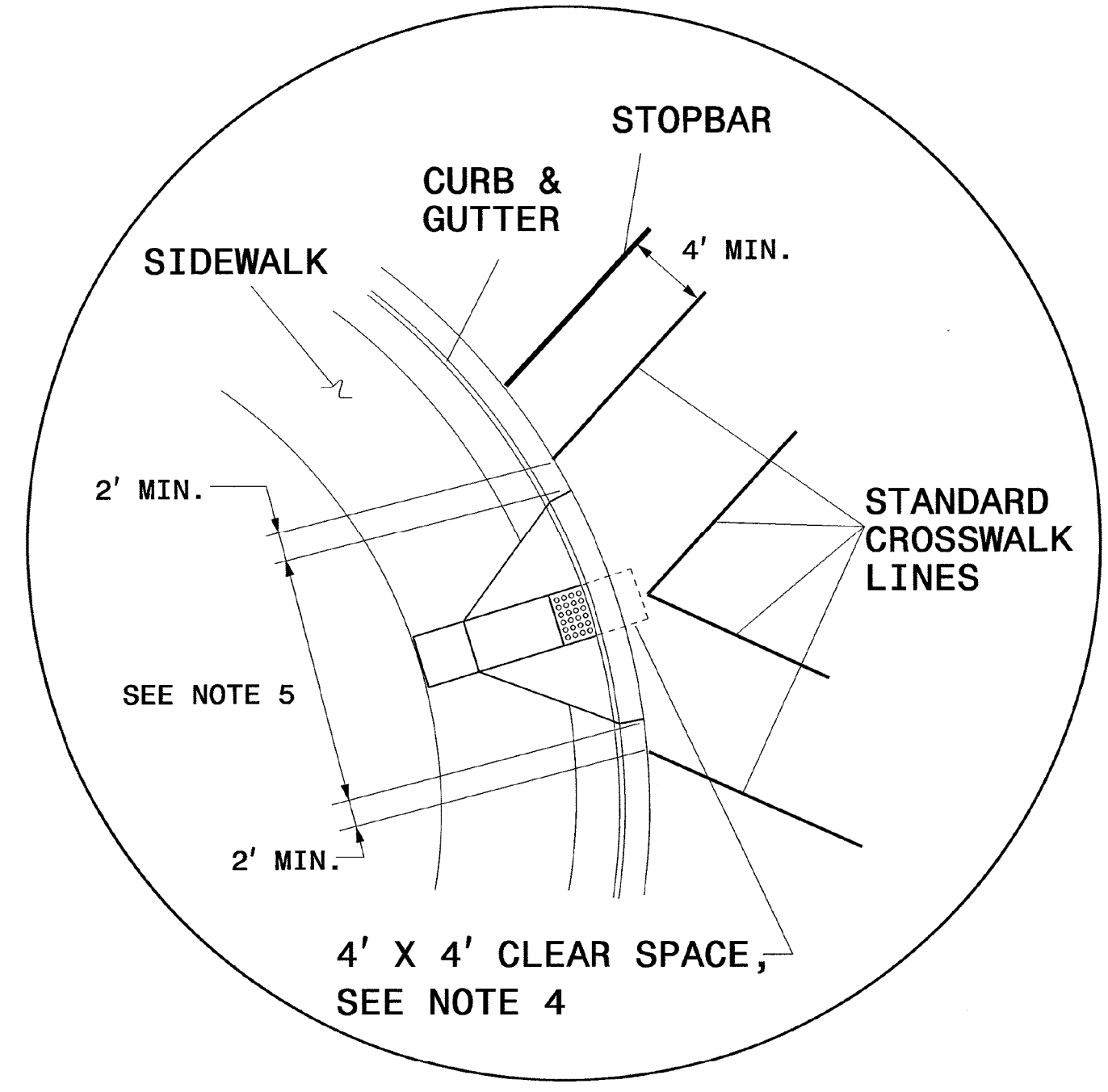
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DETAIL 'A' - DUAL CURB RAMPS



DETAIL 'B' - SINGLE DIAGONAL CURB RAMP

GUIDANCE DETAIL FOR CROSSWALK MARKINGS

NOTES:

1. USE THE DETAILS ABOVE AND THE FOLLOWING NOTES FOR GUIDANCE IN PLACING CROSSWALK MARKINGS 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. THE CROSSWALK MARKINGS SHOWN ON THE ABOVE DETAILS ARE FOR REFERENCE ONLY. ONLY INSTALL CROSSWALK MARKINGS WHERE SHOWN ON THE DETAIL SHEETS OR AS DIRECTED BY THE ENGINEER. THE CROSSWALK MARKING TYPE, STANDARD OR HI-VISIBILITY, SHALL BE INSTALL AS SPECIFIED ON THE DETAIL SHEETS OR AS DIRECTED BY THE ENGINEER.
3. SET BACK DISTANCE FROM INSIDE CROSSWALK MARKING TO NEAREST EDGE OF TRAVEL IS 4' MIN.
4. BEYOND THE BOTTOM GRADE BRAKE, A CLEAR SPACE OF 4' X 4' MINIMUM SHALL BE PROVIDED WITHIN THE MARKINGS.
5. 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'.
6. CURB RAMPS SHALL BE CONSTRUCTED IN ACCORDANCE TO THE LATEST NCDOT ROADWAY STANDARD DRAWINGS.

CROSSWALK PAVEMENT MARKING GUIDANCE DETAIL

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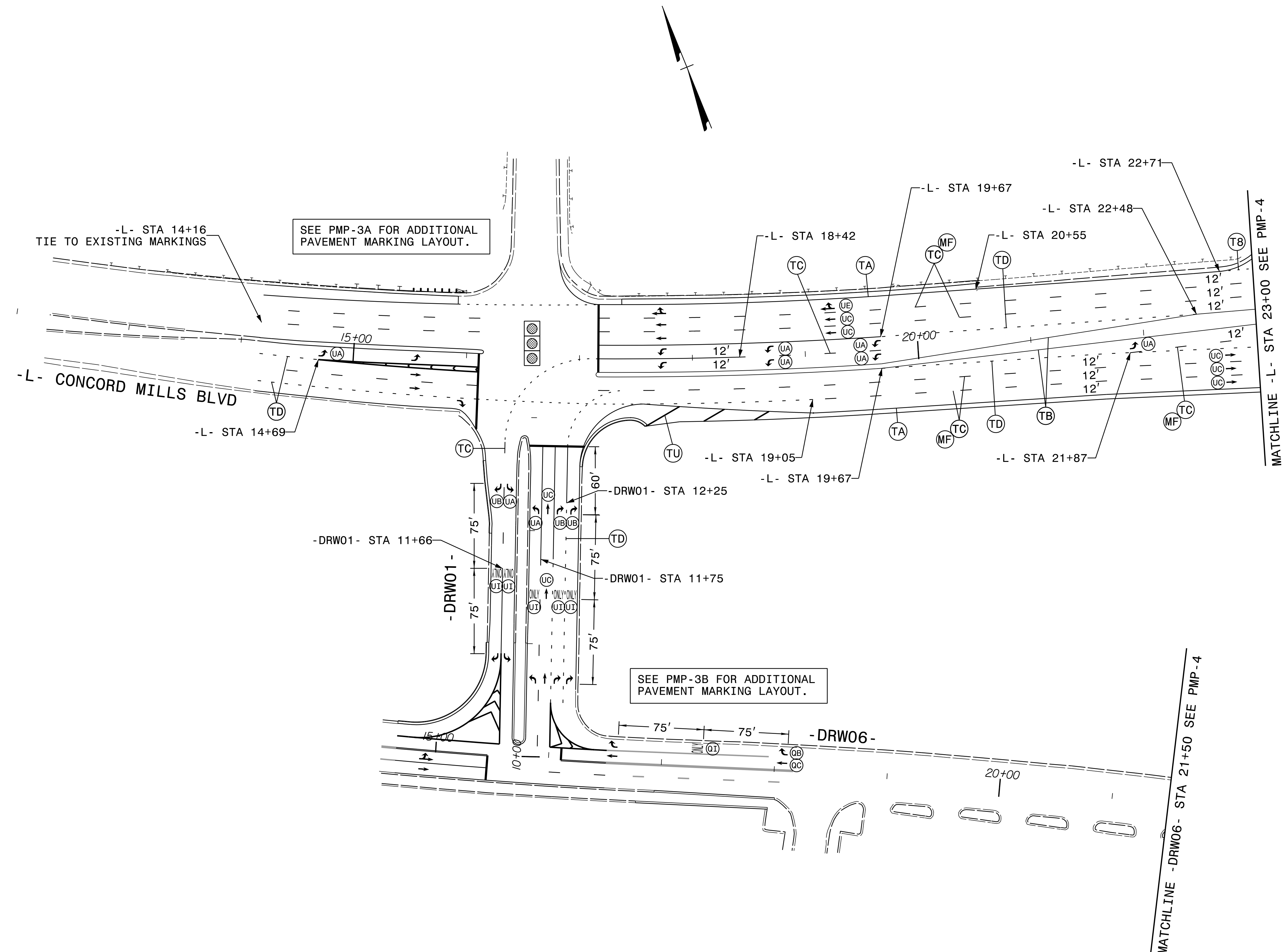
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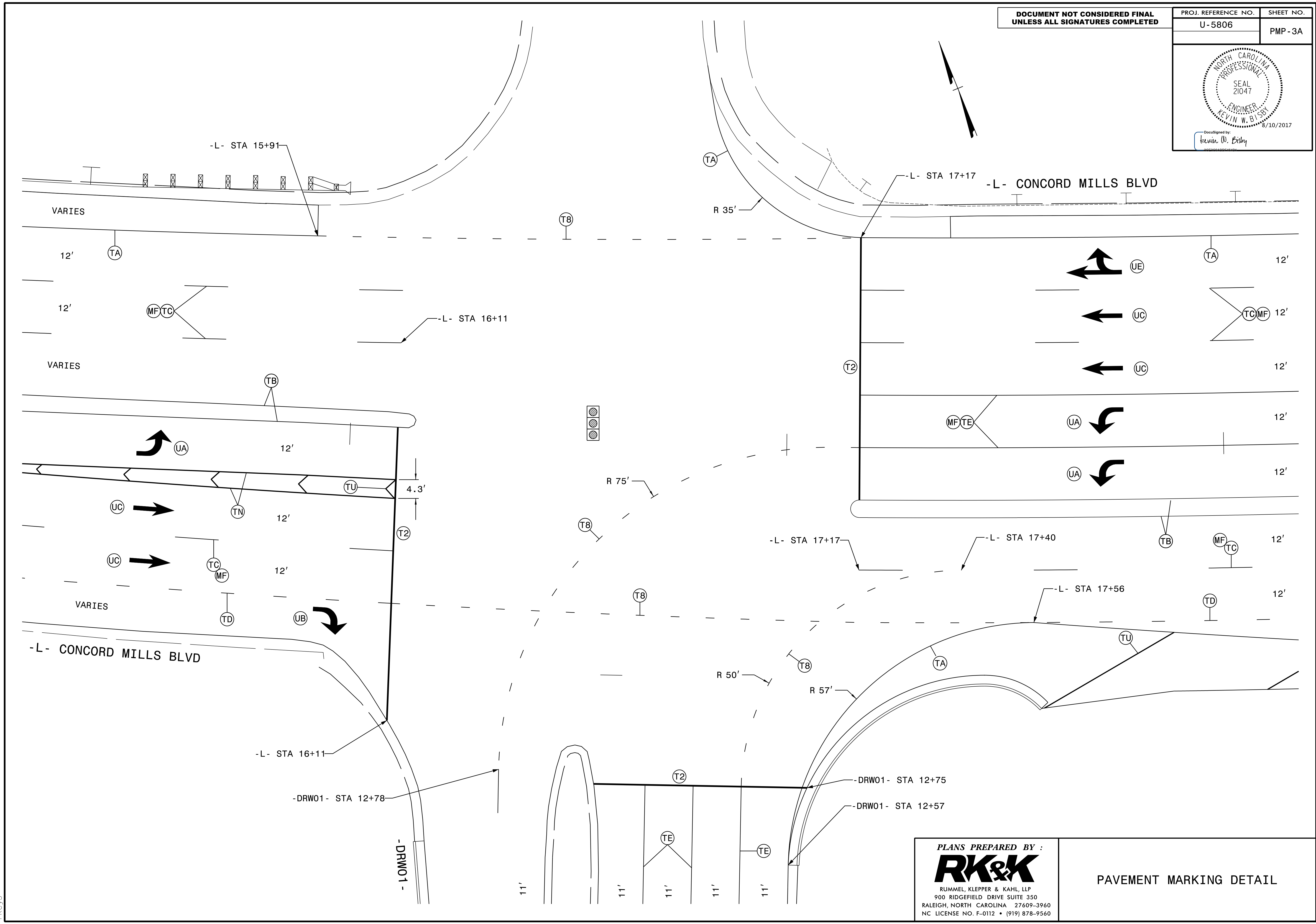
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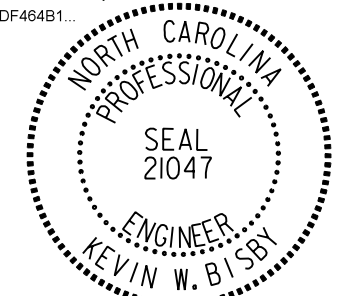
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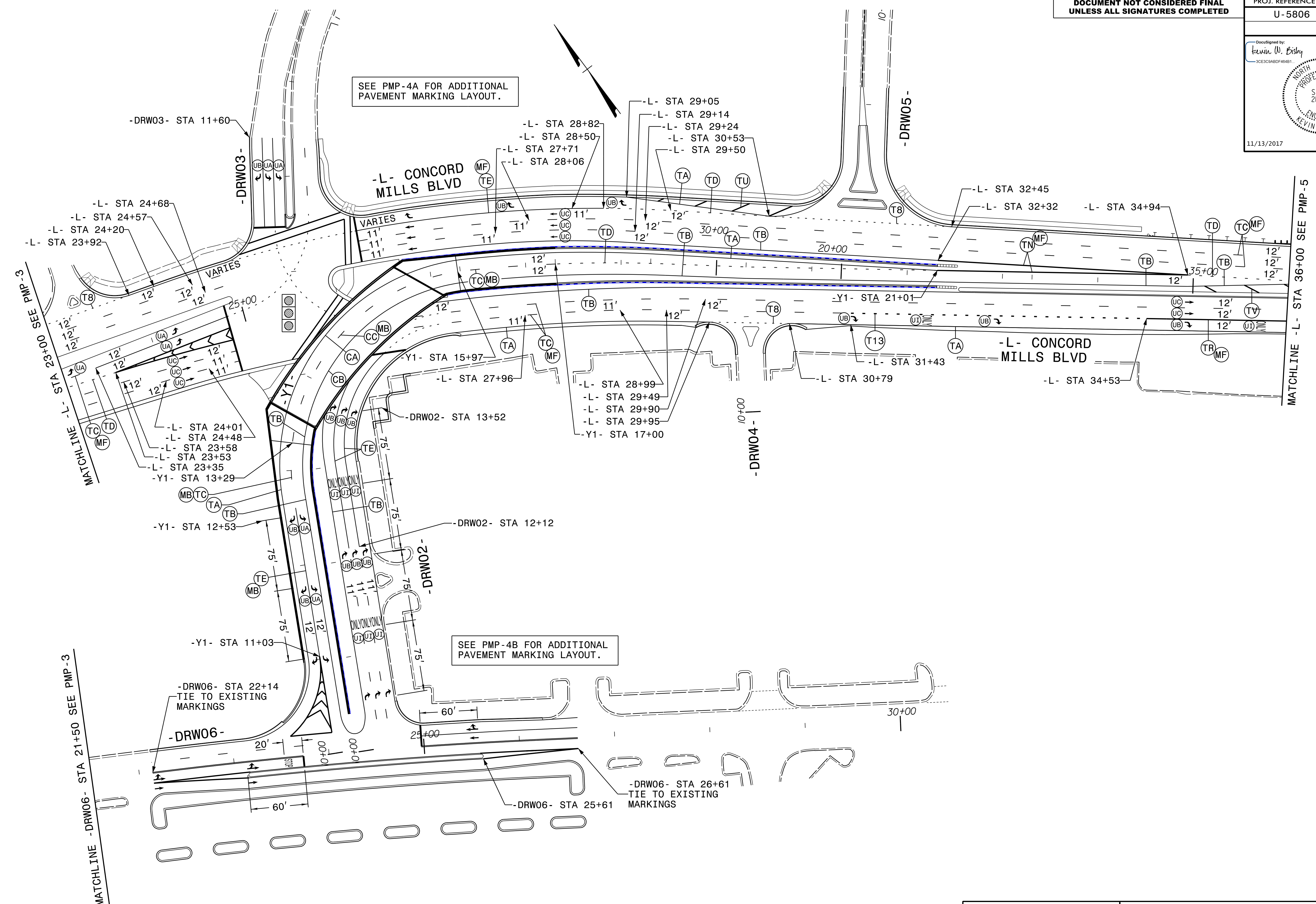
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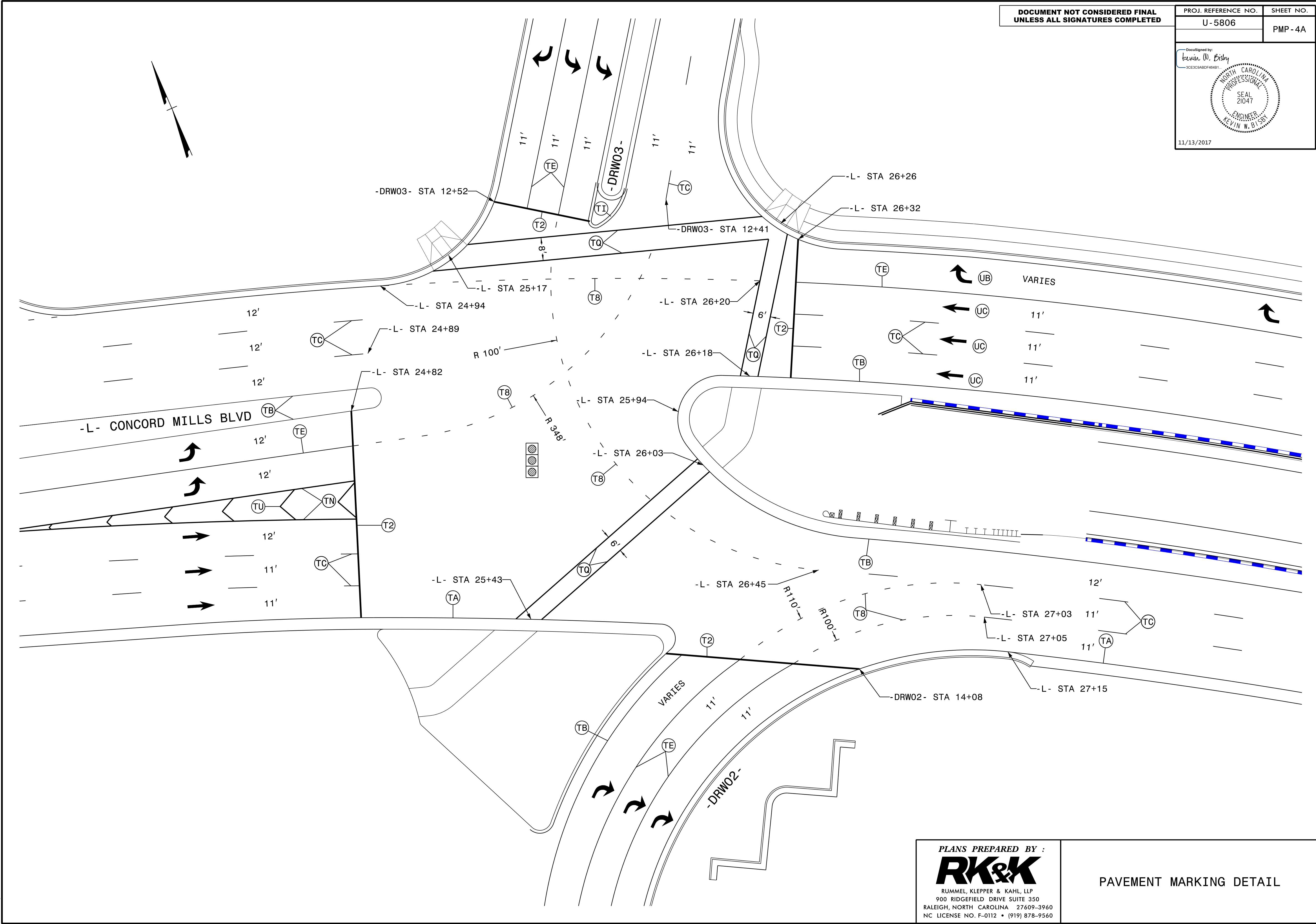


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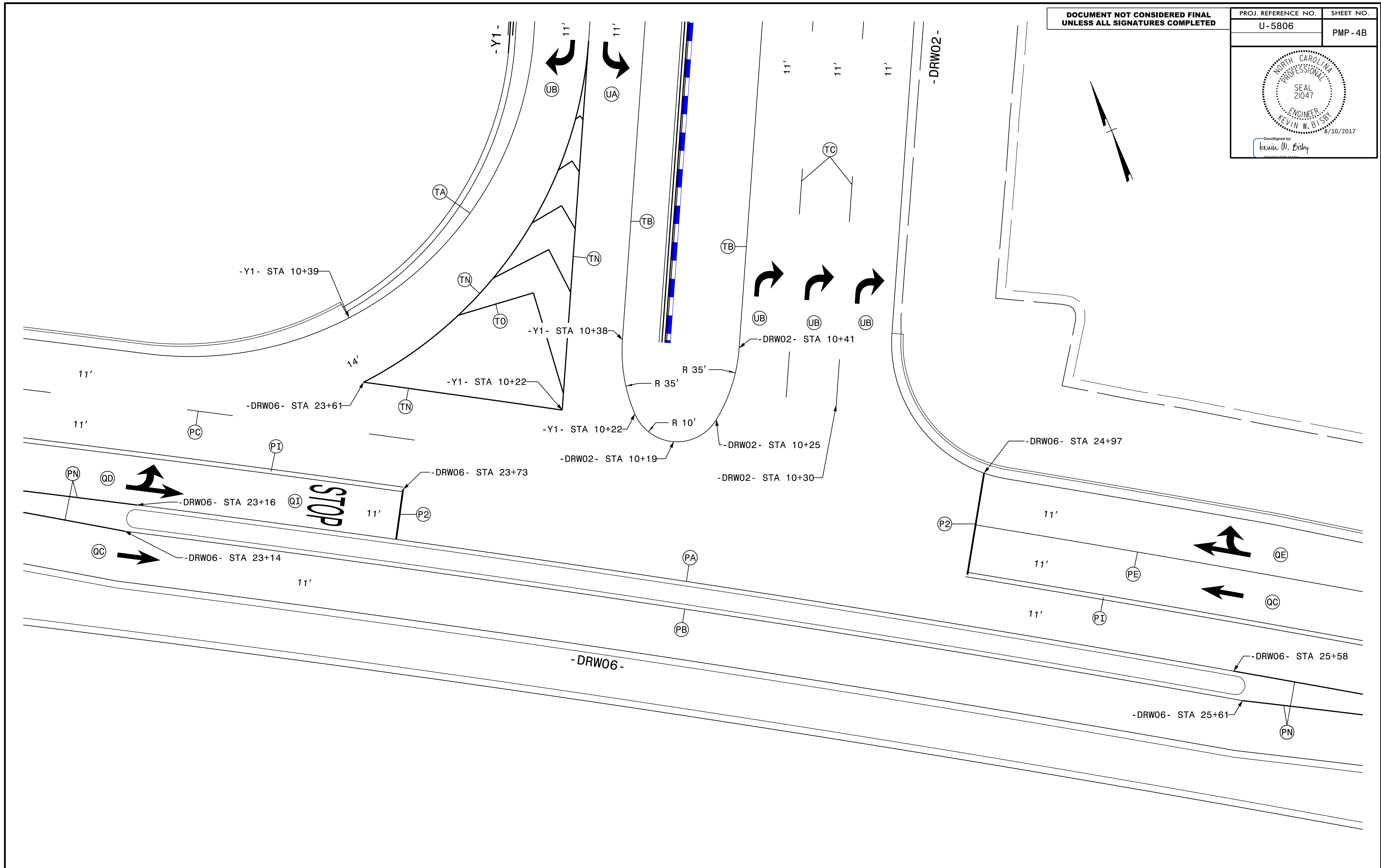
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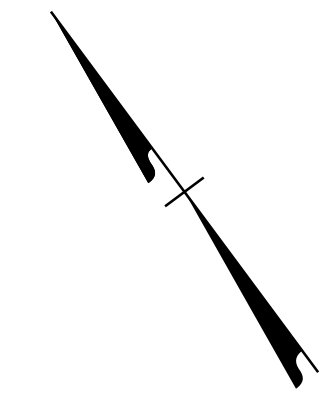
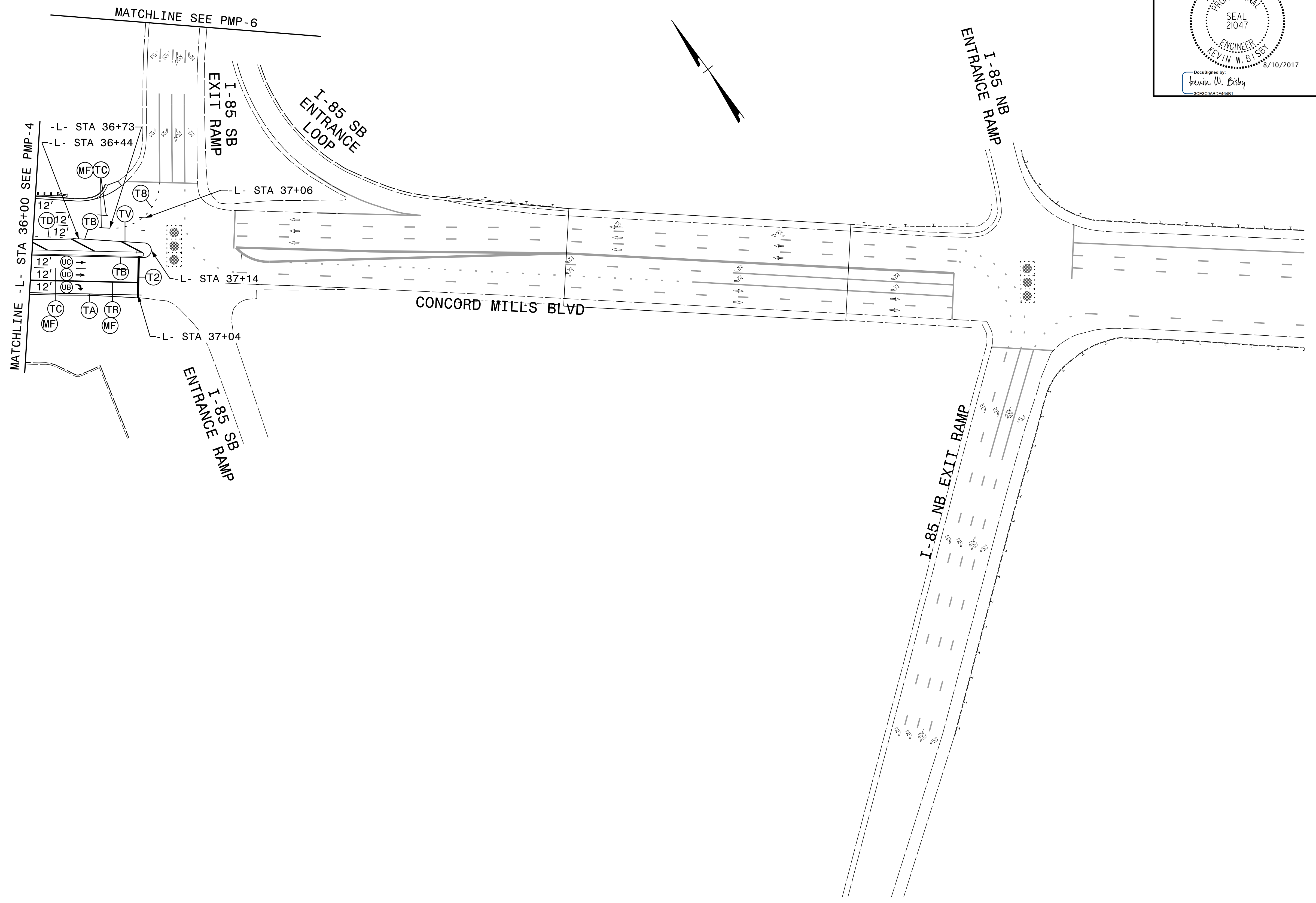
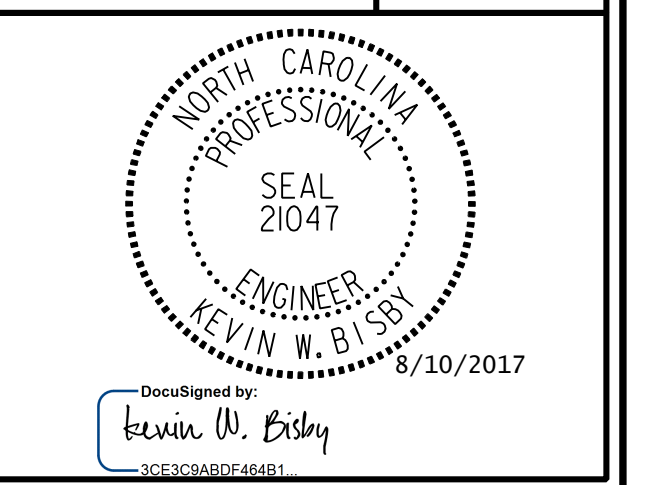
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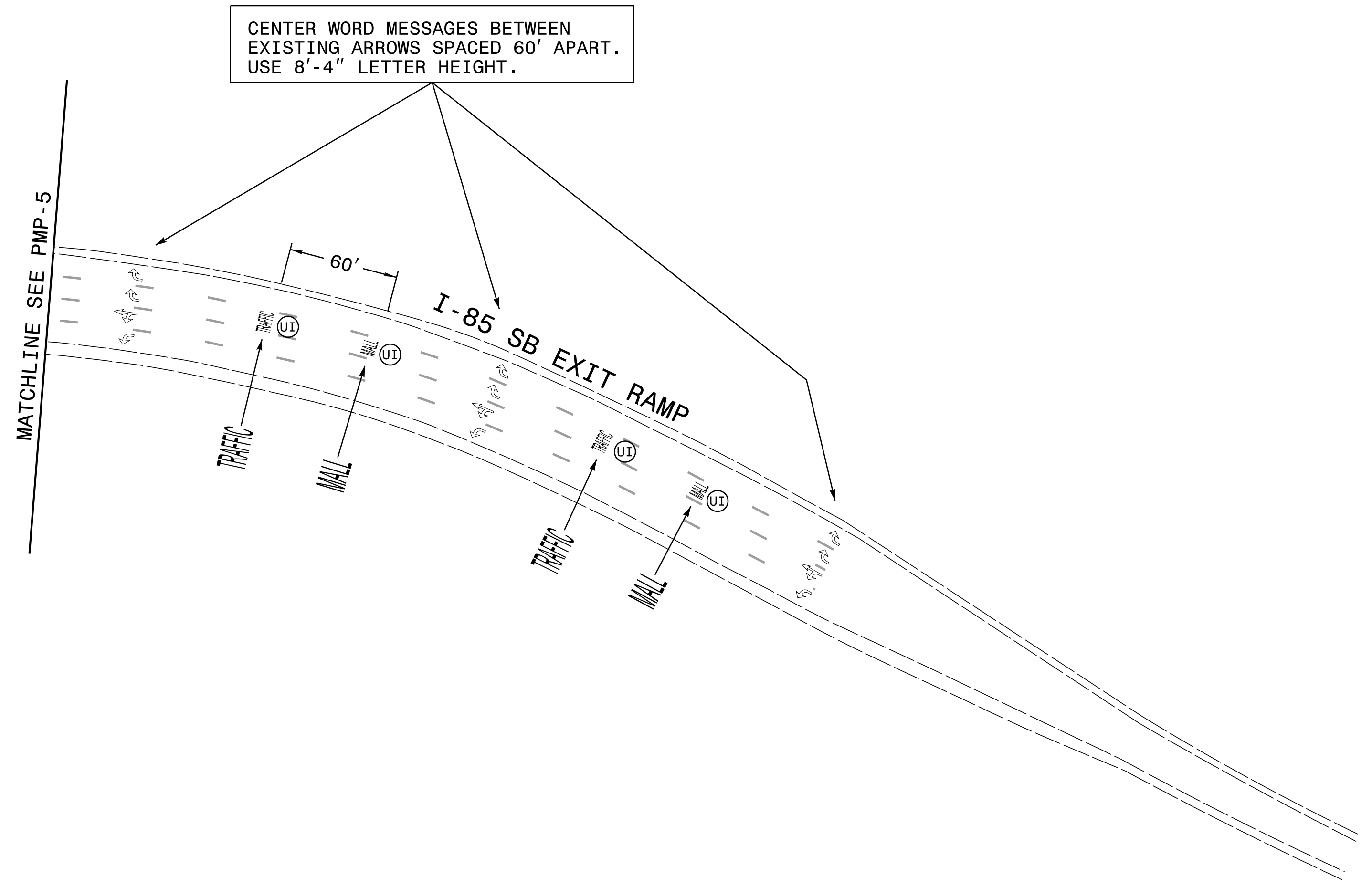
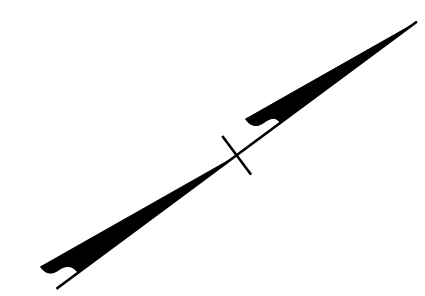
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PAVEMENT MARKING DETAIL