

STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

TIP NO. B-4949	SHEET NO. PMP-1
APPROVED: <i>[Signature]</i>	
DATE: 4/23/12	
SEAL	

PAVEMENT MARKING PLAN  
CUMBERLAND COUNTY

LOCATION: I-95 BUSINEES & US 301 REPLACE BRIDGE NO. 61 OVER  
CROSS CREEK IN FAYETTEVILLE

T.I.P.: B-4949

B-4949 FINAL PAVEMENT  
MARKING SCHEDULE

SYMBOL	DESCRIPTION
(FINAL PAVEMENT MARKINGS)	
THERMOPLASTIC (24", 120 MILS)	
T2	WHITE STOPBAR
T3	WHITE CROSSWALK LINE
THERMOPLASTIC (4", 120 MILS)	
T8	2'-6' SP. WHITE MINISKIP
TC	10 FT. WHITE SKIP
TD	3'-9' SP. WHITE MINISKIP
TE	WHITE SOLID LANE LINE
THERMOPLASTIC (8", 120 MILS)	
T13	3'-9' SP. WHITE MINISKIP
TR	WHITE SOLID LANE LINE
THERMOPLASTIC (4", 90 MILS)	
TB	YELLOW EDGELINE
COLD APPLIED PLASTIC (4", TYPE-III)	
CB	COLD APPLIED PLASTIC YELLOW EDGELINE
CC	COLD APPLIED PLASTIC 10 FT WHITE SKIP
CD	COLD APPLIED PLASTIC 3'-9' SP. WHITE MINISKIP
THERMOPLASTIC PAVEMENT MARKING SYMBOLS (90 MILS)	
UA	LEFT TURN ARROW
UB	RIGHT TURN ARROW
UC	STRAIGHT ARROW
THERMOPLASTIC PAVEMENT MARKING WORD MESSAGES (120 MILS)	
UI	ALPHANUMRIC CHAR.
(MARKERS)	
PERMANENT RAISED PAVEMENT MARKERS	
MB	CRYSTAL & RED
MF	CRYSTAL & RED

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 - 2 LANE AND MULTILANE ROADWAYS
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 - SYMBOL AND WORD MESSAGES
1205.12	PAVEMENT MARKINGS - BRIDGES
1250.01	PAVEMENT MARKER SPACING
1251.01	RAISED PAVEMENT MARKERS
1261.01	GUARDRAIL AND BARRIER DELINEATOR SPACING
1261.02	GUARDRAIL AND BARRIER DELINEATOR TYPES
1262.01	GUARDRAIL END DELINEATION

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- I-95 BUS /US-301	THERMOPLASTIC	SNOWPLOWABLE
-L- BRIDGE	COLD APPLIED PLASTIC (TYPE-III)	PERMANENT RAISED MARKER

- 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 THE CONCRETE BRIDGE DECKS PRIOR TO PLACING COLD APPLIED PLASTIC PAVEMENT MARKING MATERIAL.
- F) 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.
- G) 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.
- H) MARKERS SHALL BE INSTALLED ACCORDING TO THE NCDOT ROADWAY STANDARD DRAWING 1250.01.

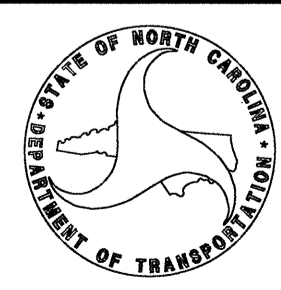
INDEX

SHEET NO.	DESCRIPTION
PMP-1	PAVEMENT MARKING PLAN TITLE AND SCHEDULE SHEET
PMP-2	CROSSWALK AND STOP BAR PAVEMENT MARKING DETAIL
PMP-3-4	REVISED PAVEMENT MARKING ROADWAY STANDARD DRAWING (1205.6 & 1205.8)
PMP-5	PAVEMENT MARKING DETAIL

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


AYMAN ALQUDWAH, PE, CPM SIGNING & DELINEATION REGIONAL ENGINEER

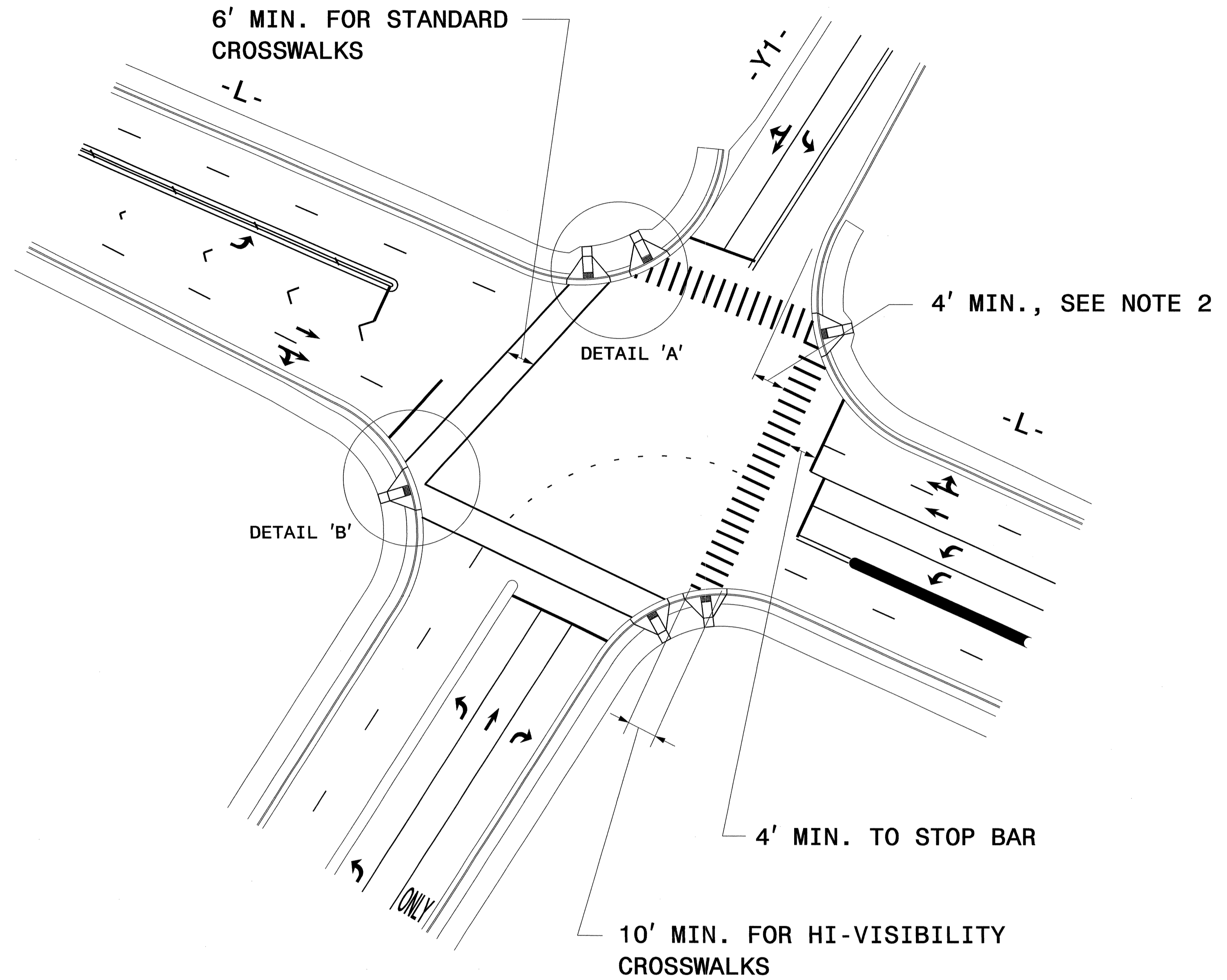
BASIR A. RASHID SIGNING & DELINEATION PROJECT DESIGN ENGINEER



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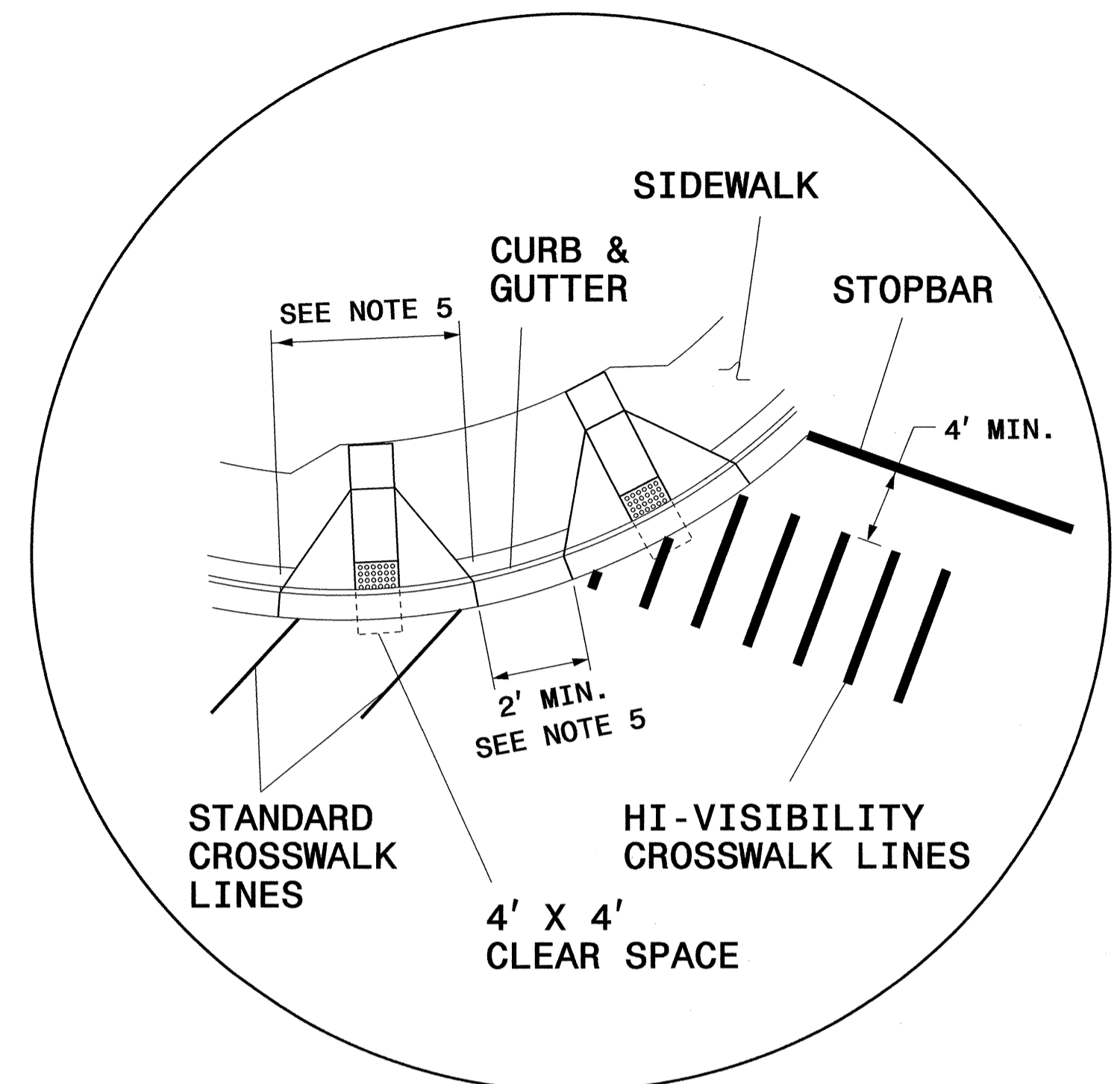
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TIP NO.	SHEET NO.
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REVISIONS	

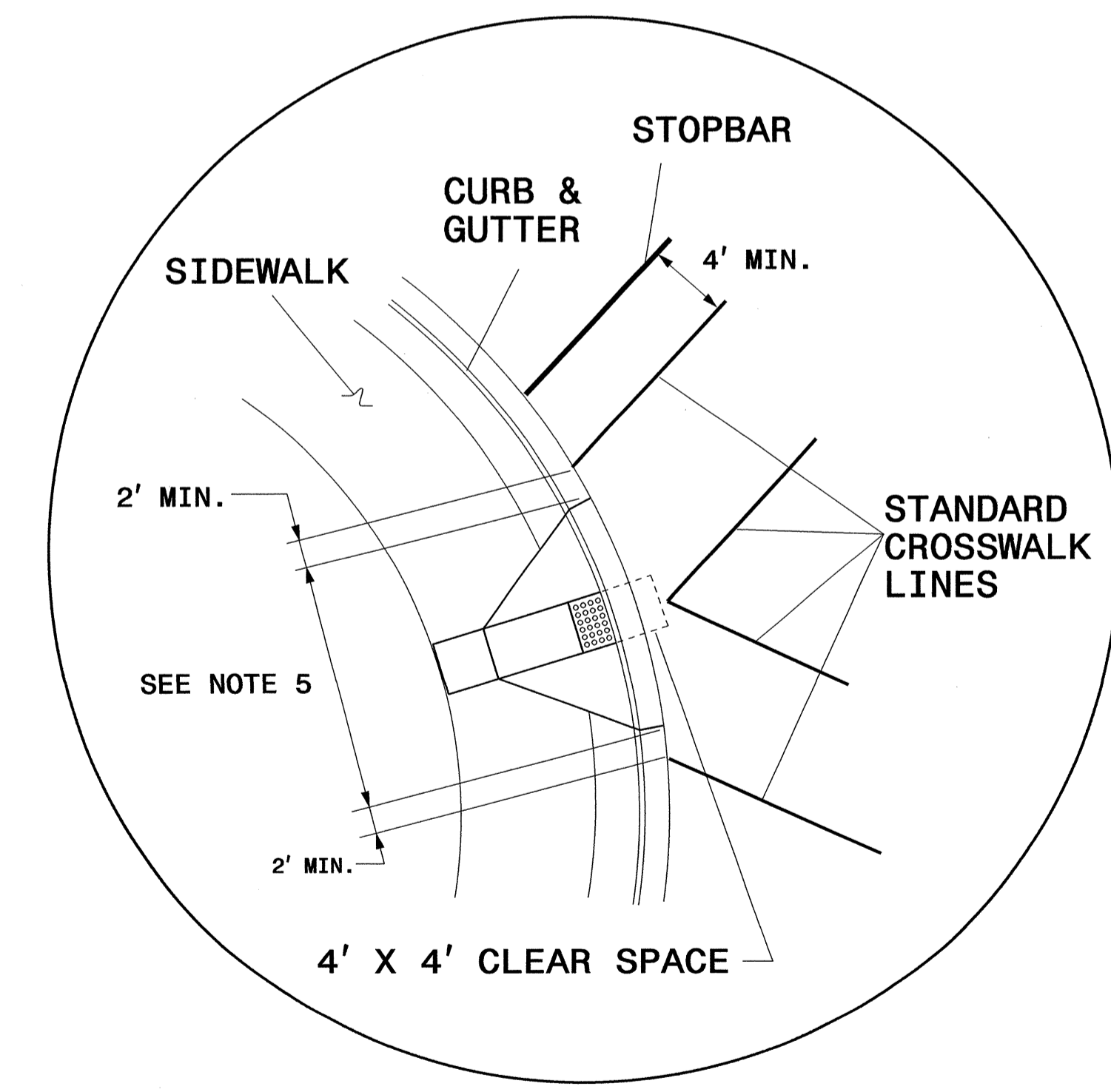


**GUIDANCE DETAIL FOR STANDARD AND HI-VISIBILITY CROSSWALKS AT SIGNALIZED OR STOP SIGN CONTROLLED INTERSECTIONS**

- 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.



**DETAIL 'A'- DUAL CURB RAMPS**




**DETAIL 'B'- SINGLE DIAGONAL CURB RAMP**

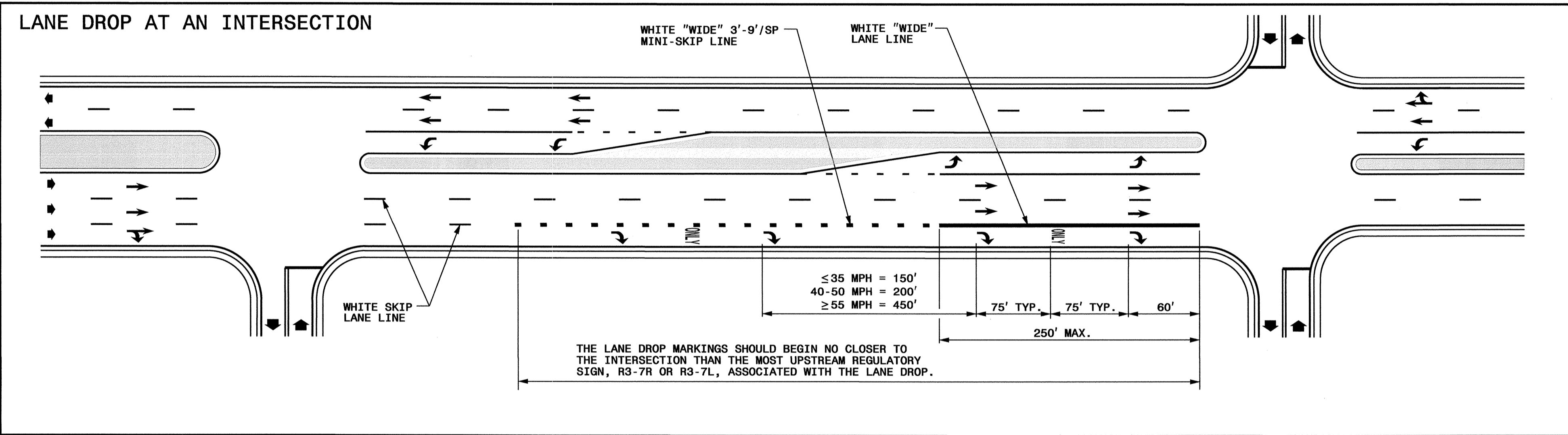
**CROSSWALK AND STOP BAR PAVEMENT MARKING DETAIL**

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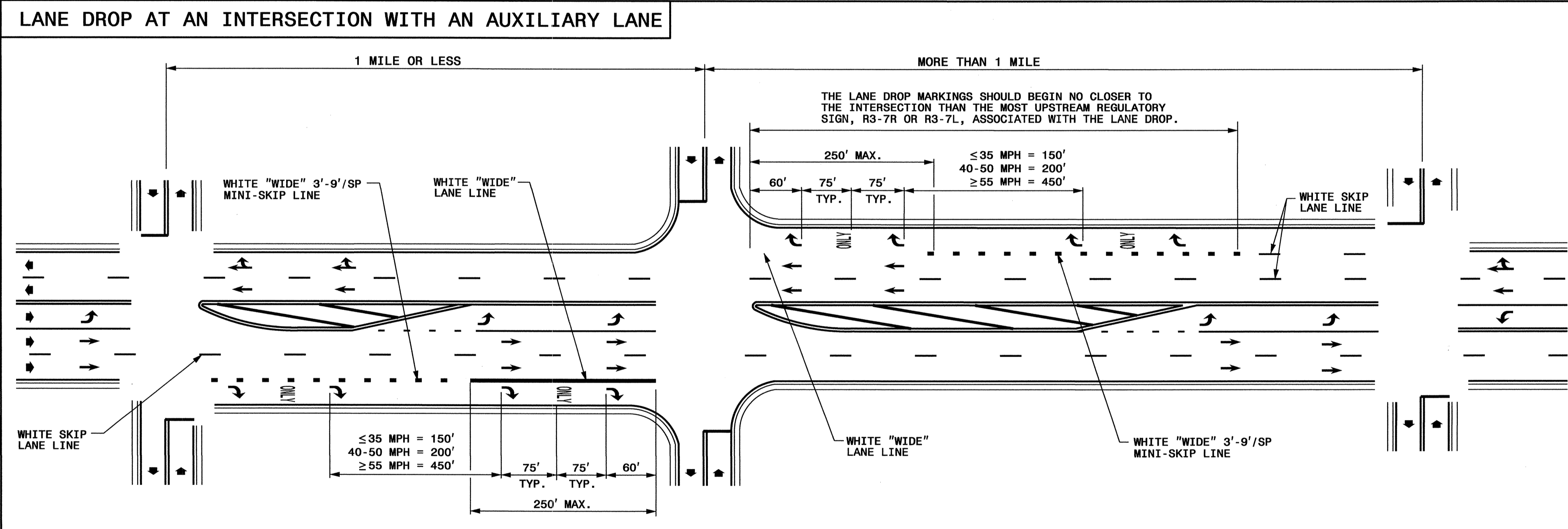
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STATE OF NORTH CAROLINA  
 DEPT. OF TRANSPORTATION  
 DIVISION OF HIGHWAYS  
 RALEIGH, N.C.



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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	ONLY PAVEMENT MARKING SYMBOLS & CHARACTERS
➔ DIRECTION OF TRAFFIC FLOW	

SHEET 1 OF 3  
**1205D06**

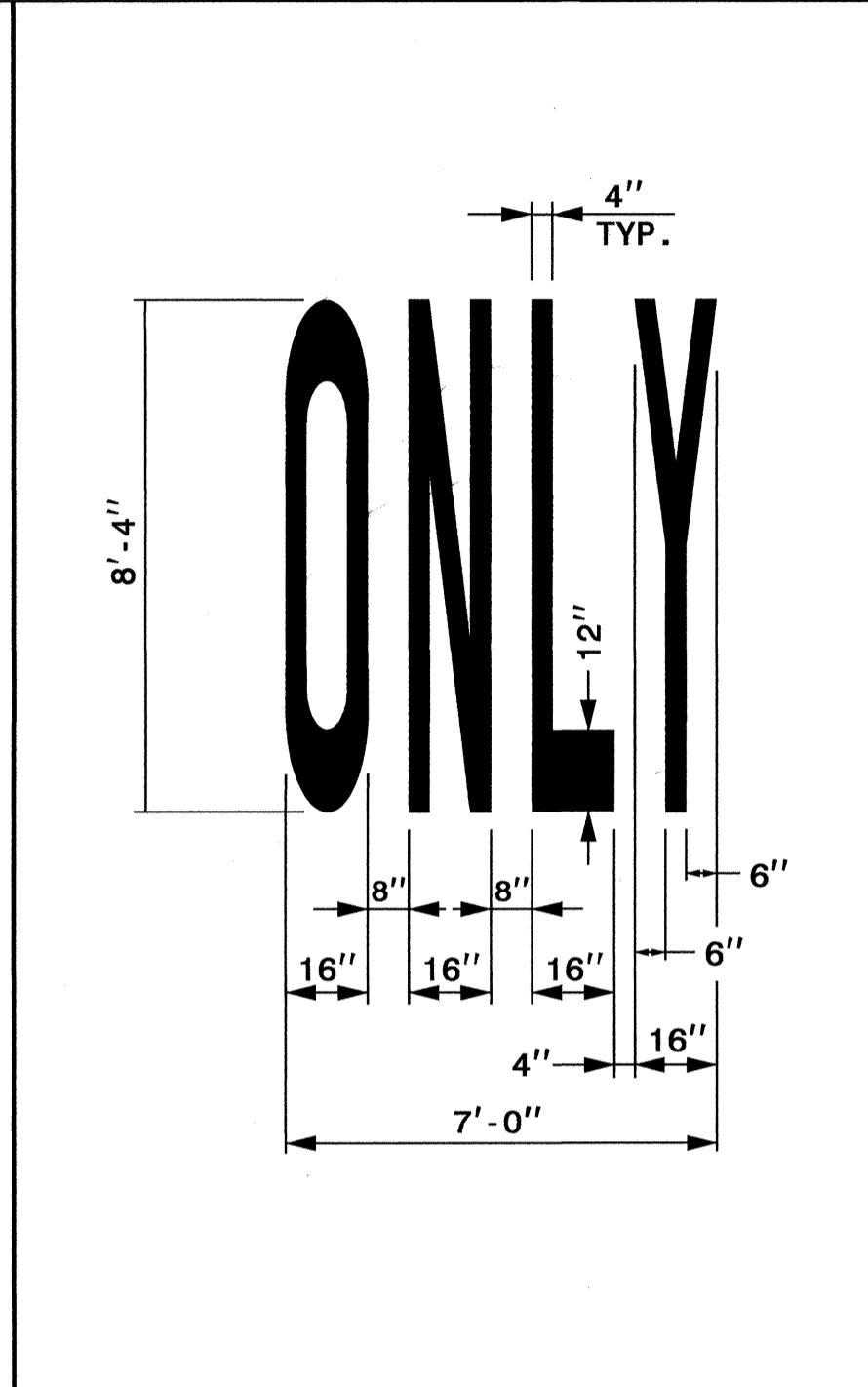
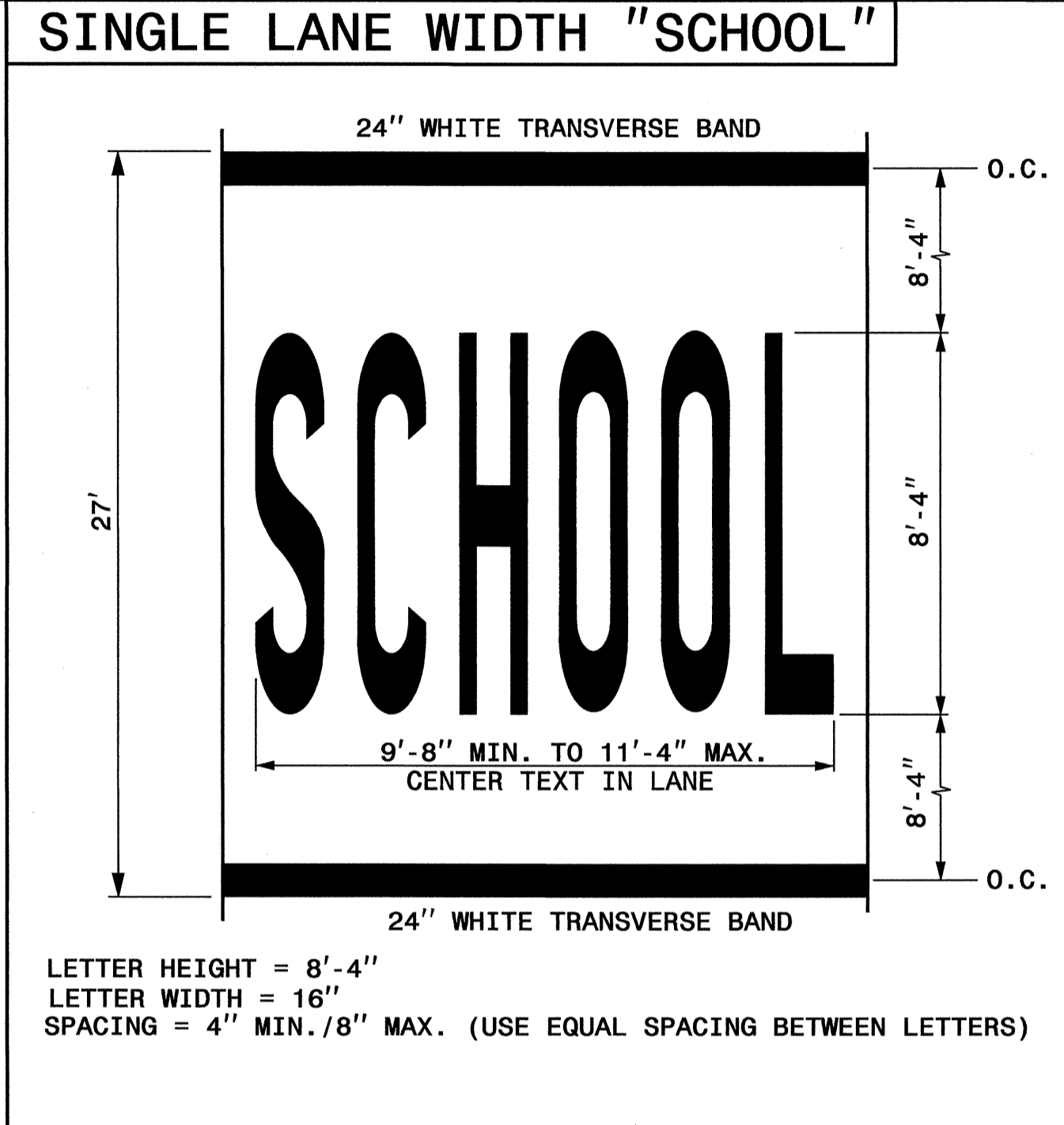
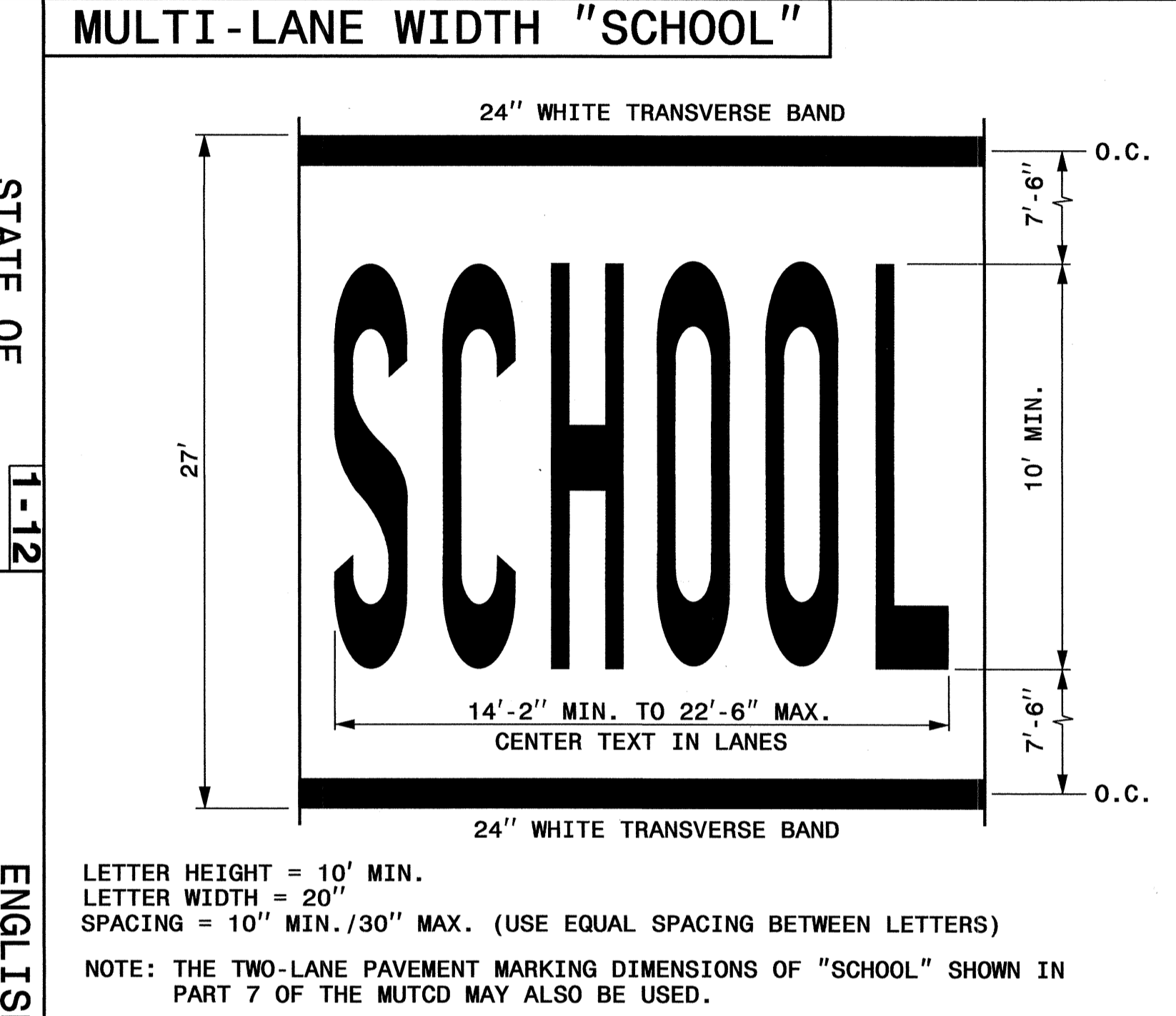
SHEET 1 OF 3  
**1205D06**

**REVISED PAVEMENT MARKING  
ROADWAY STANDARD DRAWING**

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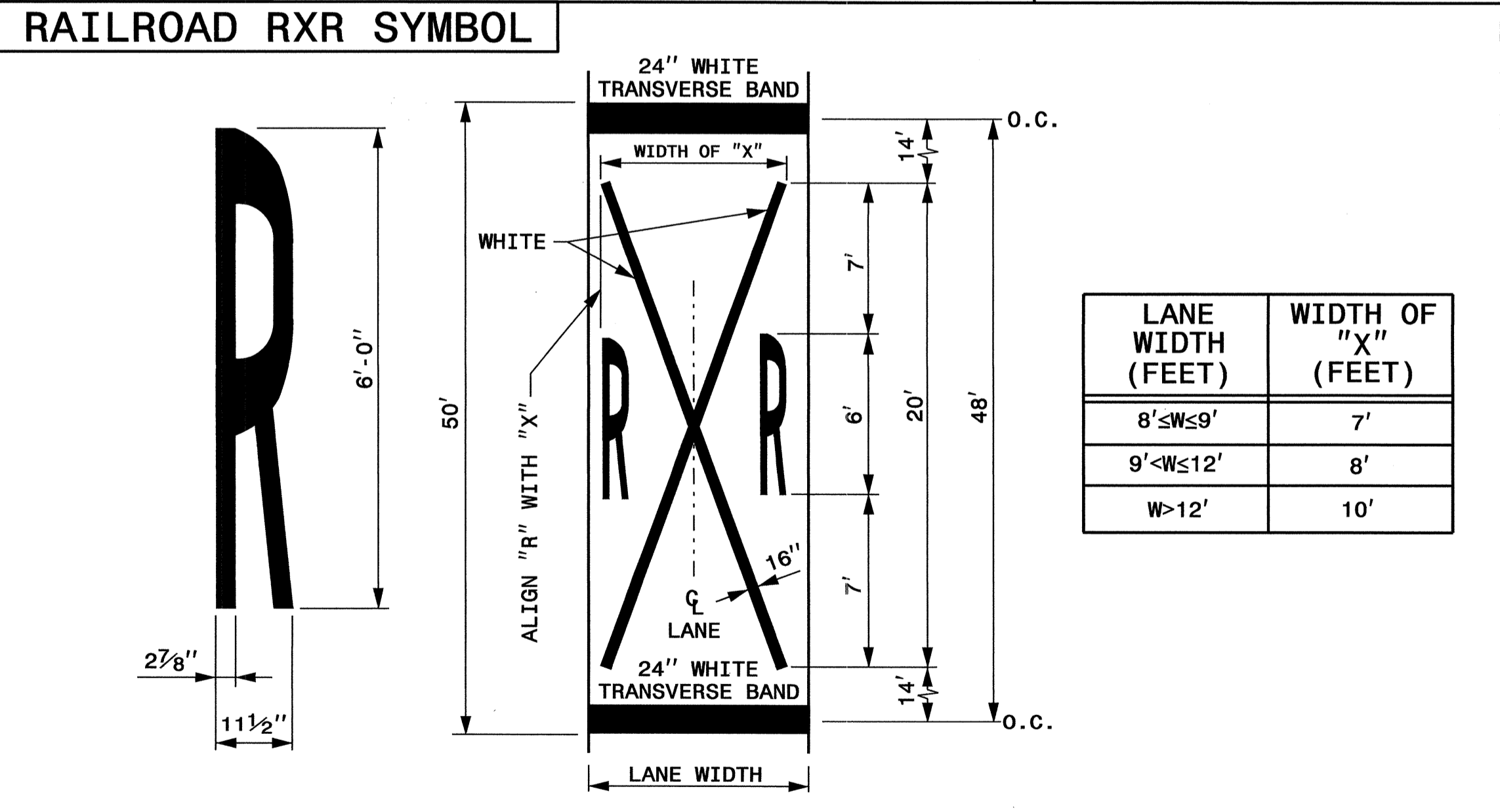


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ENGLISH DETAIL DRAWING FOR  
PAVEMENT MARKINGS  
SYMBOLS AND WORD MESSAGES



**GENERAL NOTES:**

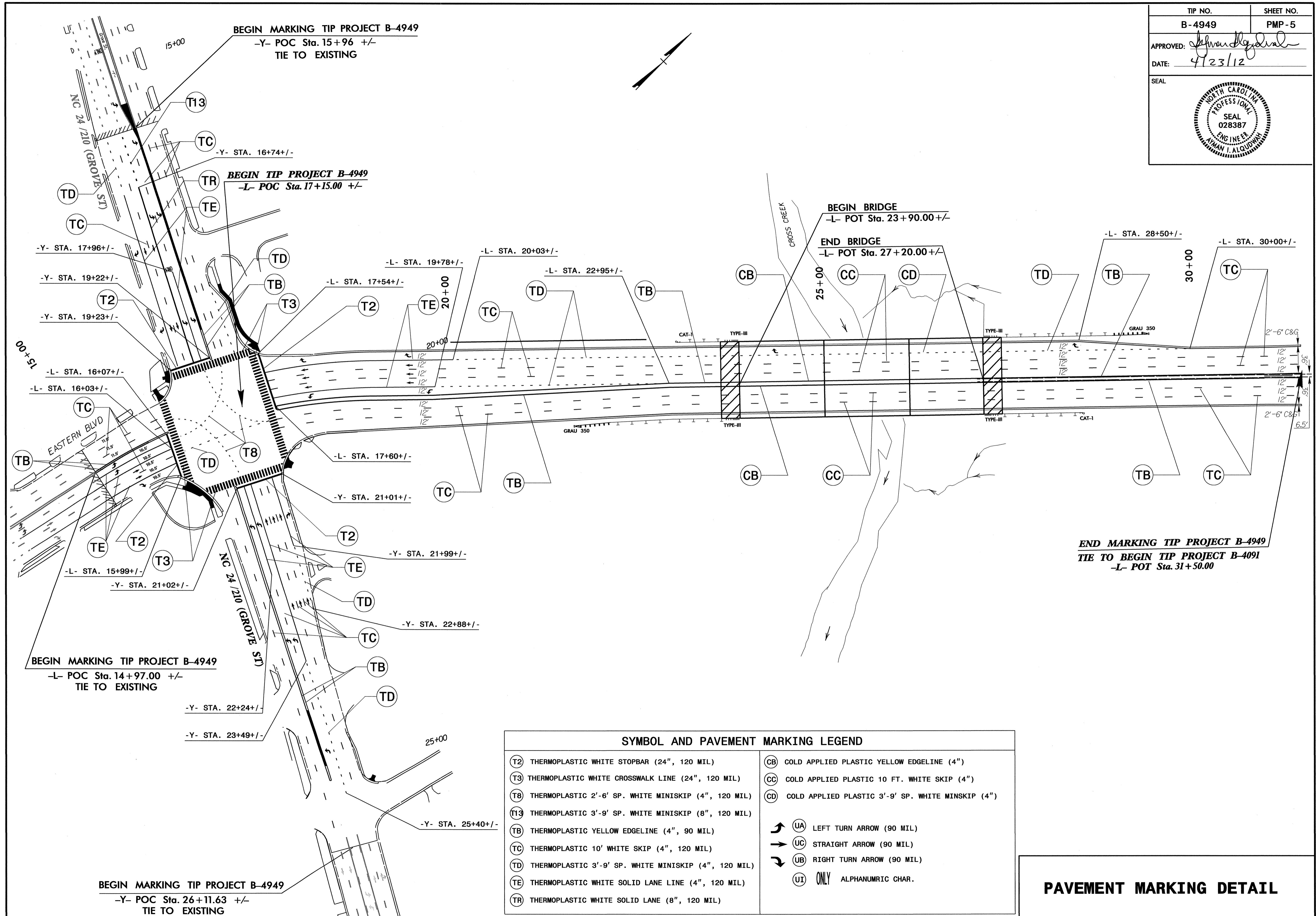
- 1 - THE SCHOOL PAVEMENT MARKING CONSISTS OF SIX (6) CHARACTERS. THE TWO (2) 24" TRANSVERSE BANDS WILL BE PAID FOR UNDER A SEPARATE PAY ITEM. REFER TO ROADWAY STANDARD DRAWING 1205.10 FOR ADDITIONAL PAVEMENT MARKING GUIDANCE.
- 2 - PAVEMENT MARKING IN ADVANCE OF A HIGHWAY-RAIL CROSSING SHALL CONSIST 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.

ENGLISH DETAIL DRAWING FOR  
PAVEMENT MARKINGS  
SYMBOLS AND WORD MESSAGES

**REVISED PAVEMENT MARKING  
ROADWAY STANDARD DRAWING**

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SYMBOL AND PAVEMENT MARKING LEGEND	
(T2)	THERMOPLASTIC WHITE STOPBAR (24", 120 MIL)
(T3)	THERMOPLASTIC WHITE CROSSWALK LINE (24", 120 MIL)
(T8)	THERMOPLASTIC 2'-6" SP. WHITE MINISKIP (4", 120 MIL)
(T13)	THERMOPLASTIC 3'-9" SP. WHITE MINISKIP (8", 120 MIL)
(TB)	THERMOPLASTIC YELLOW EDGELINE (4", 90 MIL)
(TC)	THERMOPLASTIC 10' WHITE SKIP (4", 120 MIL)
(TD)	THERMOPLASTIC 3'-9" SP. WHITE MINISKIP (4", 120 MIL)
(TE)	THERMOPLASTIC WHITE SOLID LANE LINE (4", 120 MIL)
(TR)	THERMOPLASTIC WHITE SOLID LANE (8", 120 MIL)
(CB)	COLD APPLIED PLASTIC YELLOW EDGELINE (4")
(CC)	COLD APPLIED PLASTIC 10 FT. WHITE SKIP (4")
(CD)	COLD APPLIED PLASTIC 3'-9" SP. WHITE MINSKIP (4")
(UA)	LEFT TURN ARROW (90 MIL)
(UC)	STRAIGHT ARROW (90 MIL)
(UB)	RIGHT TURN ARROW (90 MIL)
(UI)	ONLY ALPHANUMERIC CHAR.

**PAVEMENT MARKING DETAIL**