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TIP NO.	SHEET NO.
W-5510	PMP-1
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DATE: _____	
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**STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLAN
FORSYTH COUNTY**

**LOCATION: SR 4315 (S MAIN STREET) FROM I-BUS-40 RAMP
TO SR 4278 (S CHERRY STREET), AND SR 2648 (OLD WINSTON ROAD)**

FINAL PAVEMENT MARKING

T.I.P.: W-5510

INDEX

SHEET NO.	DESCRIPTION
PMP-1	PAVEMENT MARKING PLAN TITLE AND SCHEDULE SHEET
PMP-2	REVISED PAVEMENT MARKING ROADWAY STANDARD DRAWING 1205.06 SHEET 1 OF 3
PMP-2A	REVISED PAVEMENT MARKING ROADWAY STANDARD DRAWING 1205.08 SHEET 3 OF 8
PMP-2B	REVISED PAVEMENT MARKINGS PEDESTRIAN CROSSWALK STANDARD DRAWING 1205.07
PMP-2C	ROUNDBOUT FISH-HOOK ARROW TYPICAL
PMP-3 THRU PMP-5	PAVEMENT MARKING DETAIL

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
1205.08	PAVEMENT MARKINGS - SYMBOLS AND WORD MESSAGES
1205.09	PAVEMENT MARKINGS - PAINTED ISLANDS
1264.01	OBJECT MARKERS - TYPES
1264.02	OBJECT MARKERS - INSTALLATION

W-5510 PAVEMENT MARKING SCHEDULE

SYMBOL	DESCRIPTION
	FINAL PAVEMENT MARKINGS
	THERMOPLASTIC (24", 120 MILS)
T2	WHITE STOPBAR
T3	WHITE CROSSWALK LINE
	THERMOPLASTIC (4", 90 MILS)
TB	YELLOW EDGELINE
	THERMOPLASTIC (4", 120 MILS)
TC	WHITE 10' SKIP
TD	WHITE 3' - 9"/SP MINI-SKIP
TE	WHITE SOLID LANE LINE
TI	YELLOW DOUBLE CENTER
	THERMOPLASTIC (6", 120 MILS)
TK	WHITE 3' - 9"/SP MINISKIP
TL	WHITE SOLID LANE LINE
	THERMOPLASTIC (8", 90 MILS)
TN	WHITE GORELINE
TO	WHITE DIAGONAL
TP	YELLOW DIAGONAL
	THERMOPLASTIC (8", 120 MILS)
TQ	WHITE CROSSWALK LINE
TR	WHITE "WIDE" SOLID LANE LINE
T17	WHITE 3 FT. - 3 FT./SP MINISKIP
	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
UN	24" YIELD LINE TRIANGLE
UW	FISH-HOOK RIGHT/STRAIGHT
WB	FISH-HOOK CIRCLE LEFT/STRAIGHT
	THERMOPLASTIC ALPHANUMERIC CHARACTERS (120 MILS)
UI	

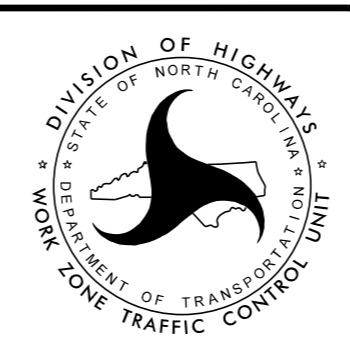
GENERAL NOTES

- 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 ON THE FINAL SURFACE AS FOLLOWS:

ROAD NAME	MARKING	MARKER
-L-	THERMOPLASTIC	
-Y1-	THERMOPLASTIC	
-Y2-	THERMOPLASTIC	
-Y3-	THERMOPLASTIC	
-Y3A-	THERMOPLASTIC	
-Y4-	THERMOPLASTIC	
 - 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) UNLESS OTHERWISE SPECIFIED, HEATED-IN-PLACE THERMOPLASTIC MAY BE USED IN LIEU OF EXTRUDED THERMOPLASTIC FOR ARROWS, STOP BARS, SYMBOLS, CHARACTERS AND DIAGONALS. IF HEATED-IN-PLACE IS USED, IT SHALL BE PAID FOR USING THE EXTRUDED THERMOPLASTIC PAY ITEM.
 - G) SEE ROADWAY PLANS FOR ALTERNATE CURB RAMP DESIGNS WHEN INDICATED ON PAVEMENT MARKING DETAIL SHEETS.

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

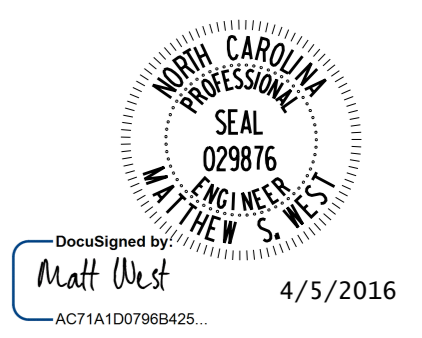
RENEE B. ROACH, PE, CPM	SIGNING & DELINEATION REGIONAL ENGINEER
SAMUEL D. COLEMAN, EI	SIGNING & DELINEATION PROJECT DESIGN ENGINEER



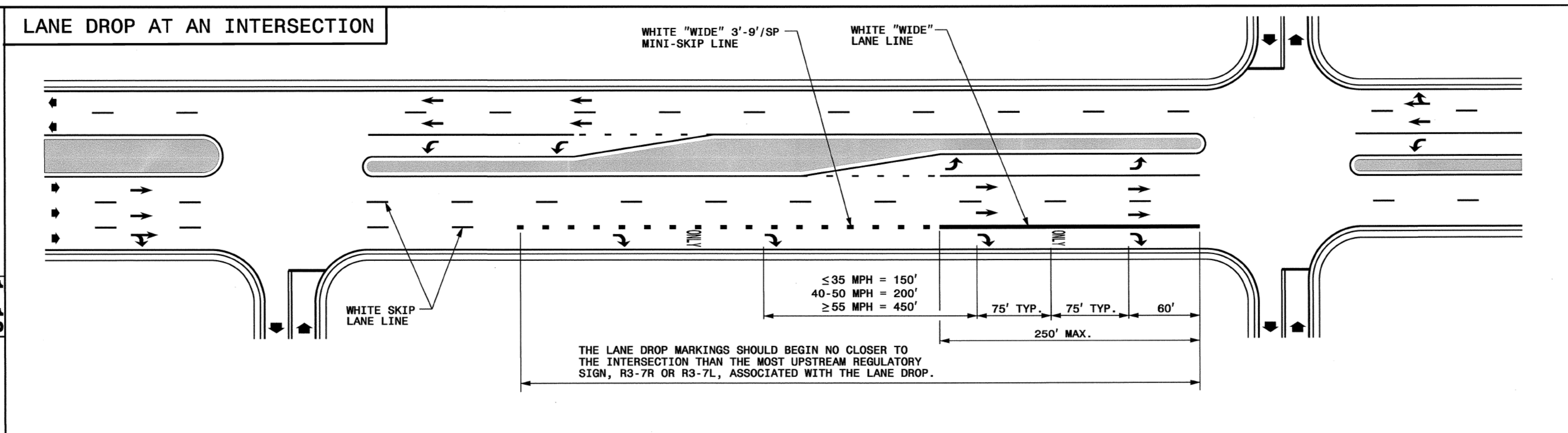
PLAN PREPARED BY: Kimley-Horn and Associates

Erin Thompson P.E.	PROJECT DESIGN ENGINEER
Erin Thompson P.E.	DESIGNER

Kimley»Horn

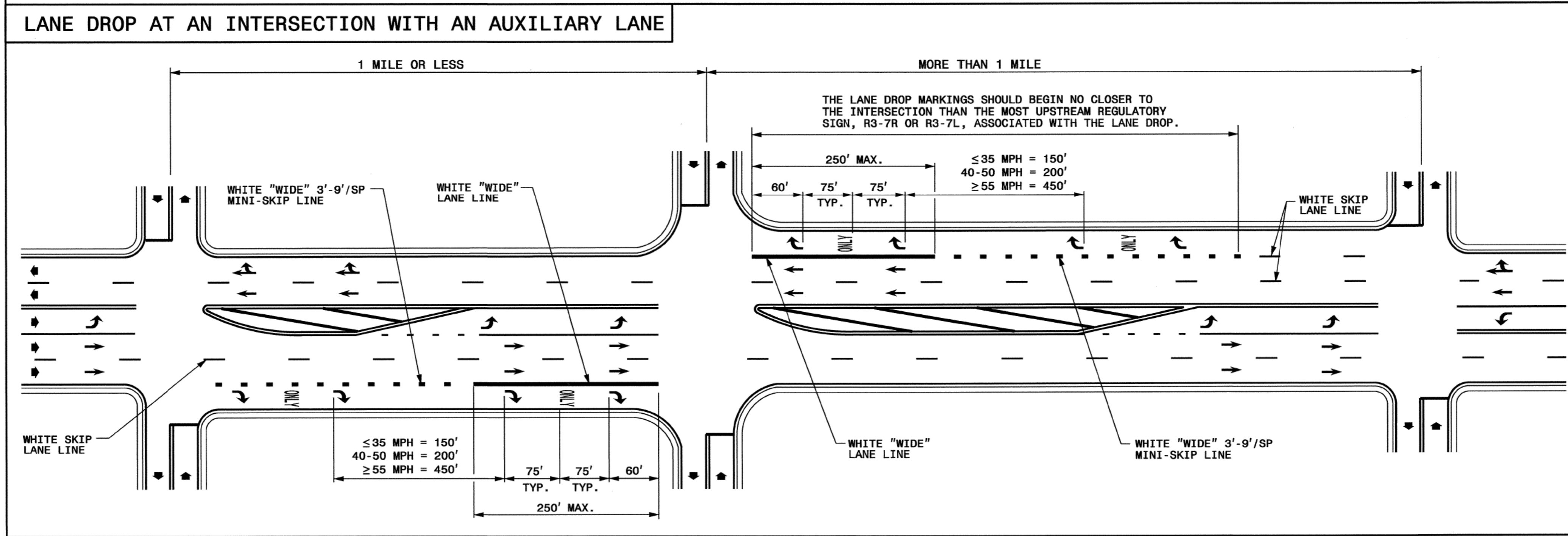


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RALEIGH, N.C.



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ENGLISH DETAIL DRAWING FOR
PAVEMENT MARKINGS
LANE DROPS



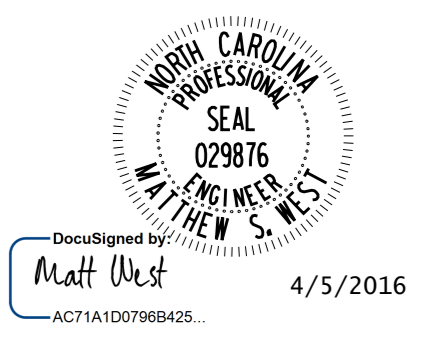
ENGLISH DETAIL DRAWING FOR
PAVEMENT MARKINGS
LANE DROPS

- 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.

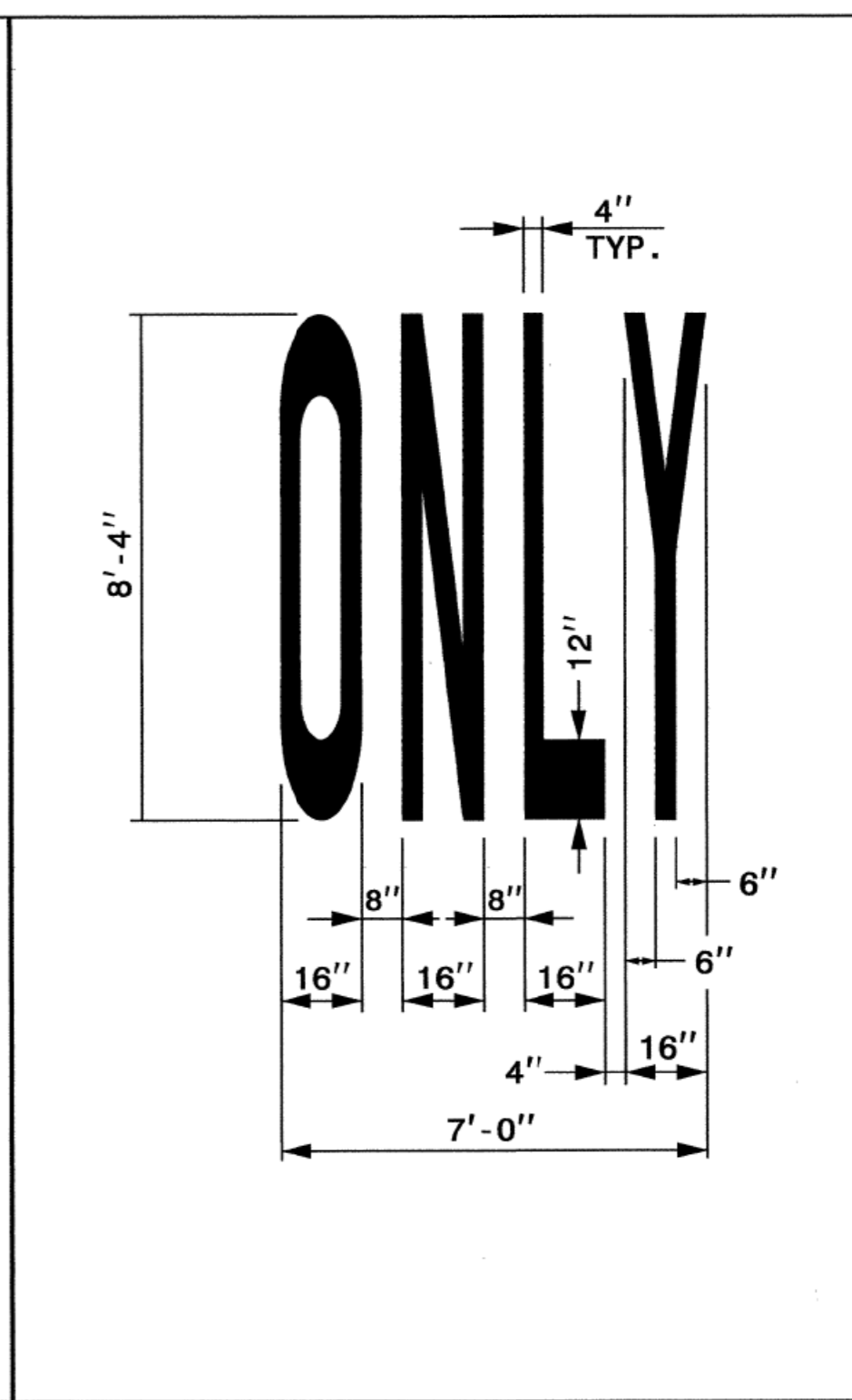
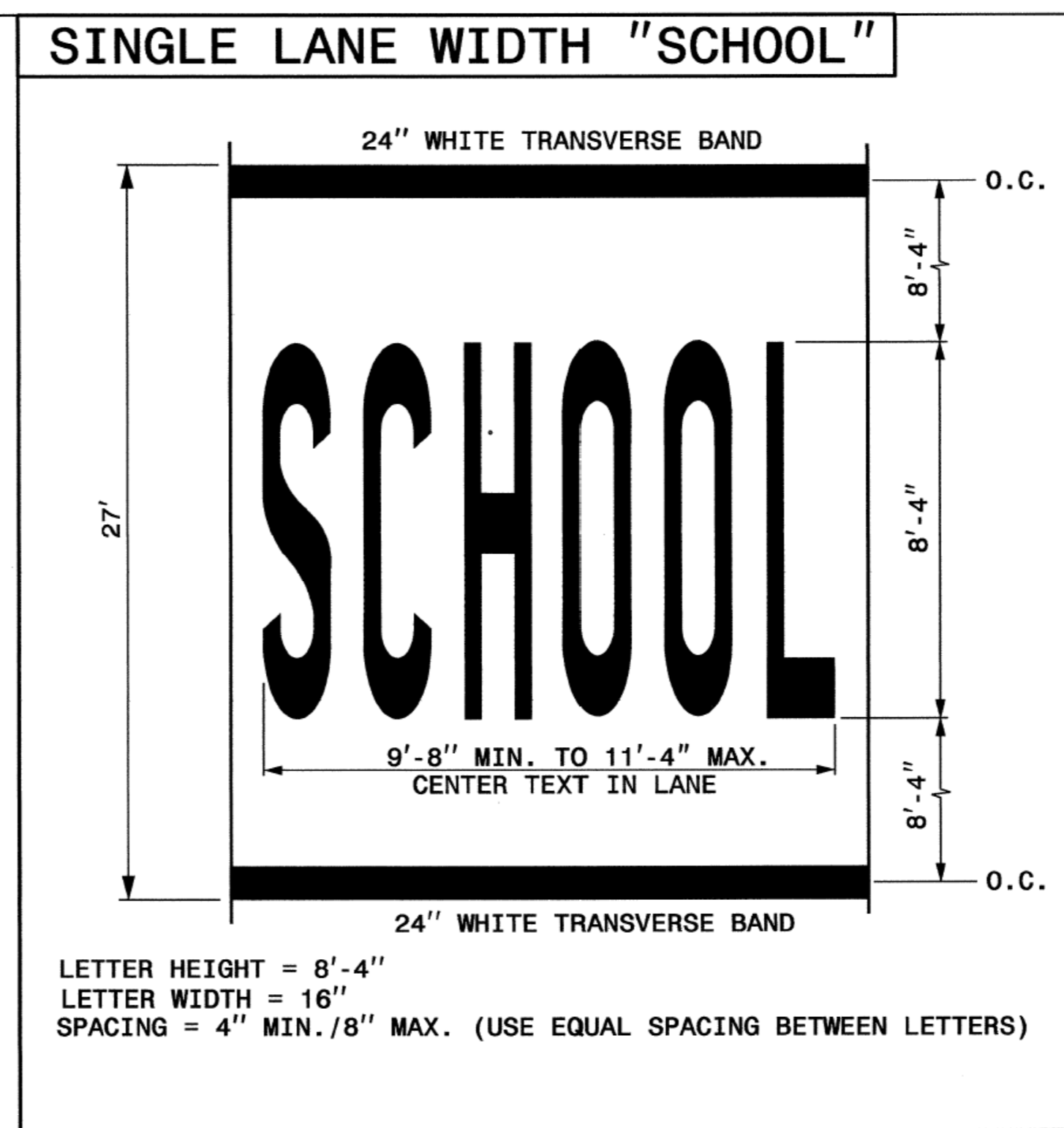
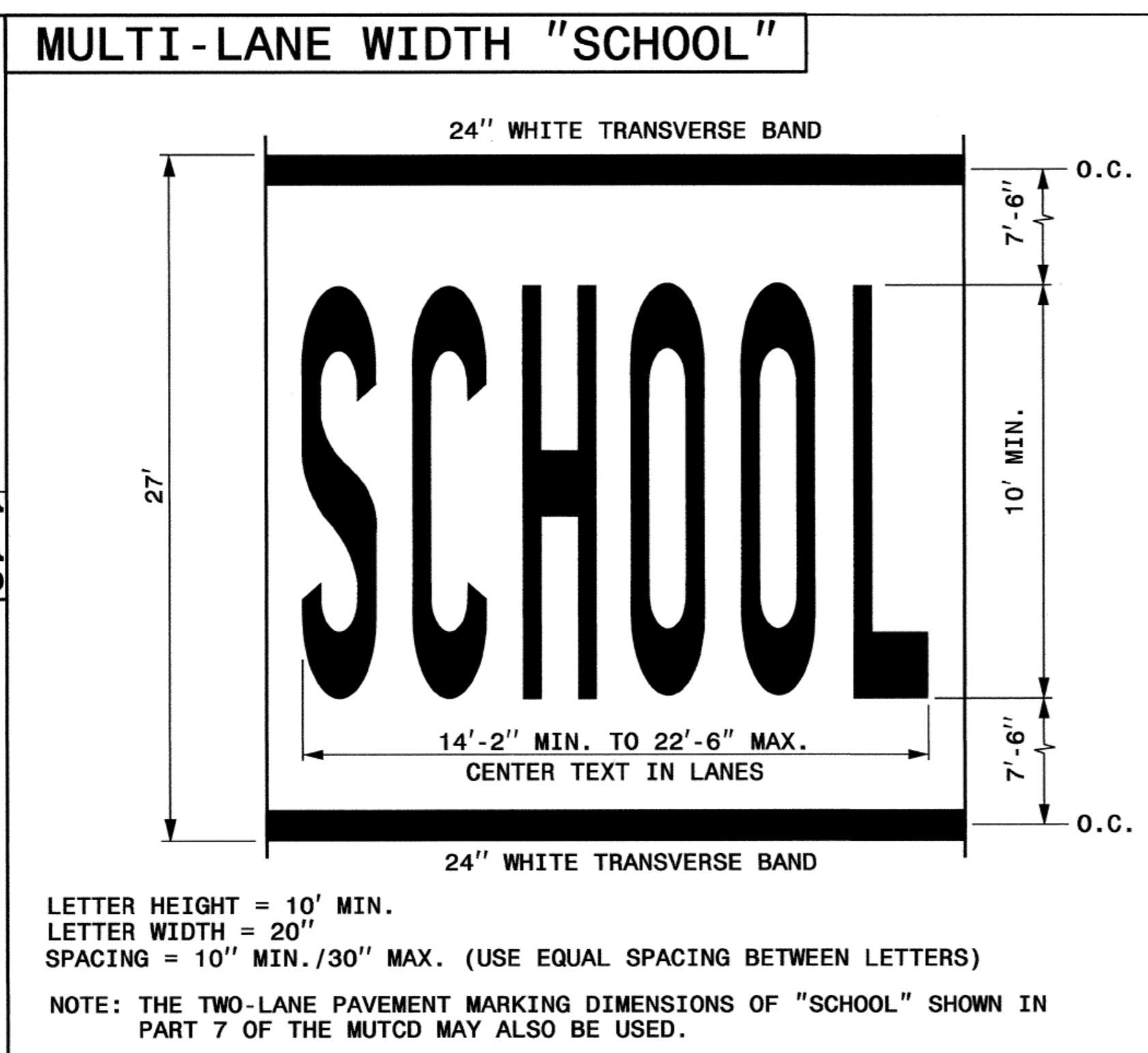
LEGEND	
W = WIDTH OF TRAVEL LANE	ONLY PAVEMENT MARKING SYMBOLS & CHARACTERS
➔ DIRECTION OF TRAFFIC FLOW	

SHEET 1 OF 3
1205D06

SHEET 1 OF 3
1205D06



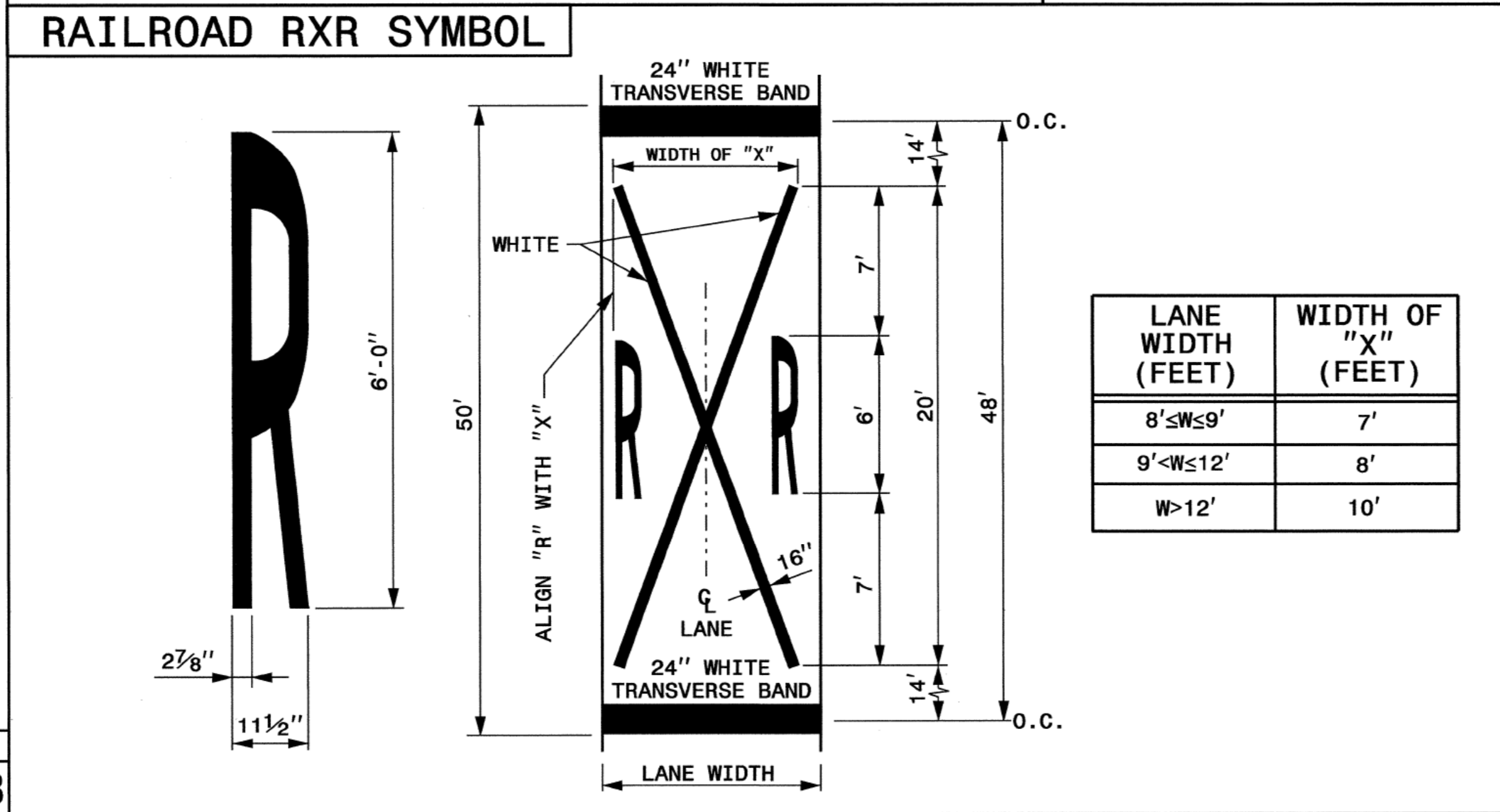
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ENGLISH DETAIL DRAWING FOR
PAVEMENT MARKINGS
SYMBOLS AND WORD MESSAGES

SHEET 3 OF 8
1205D08

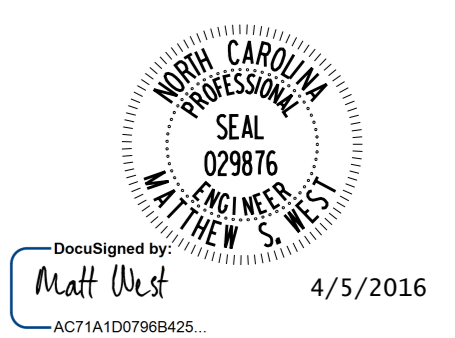


GENERAL NOTES:

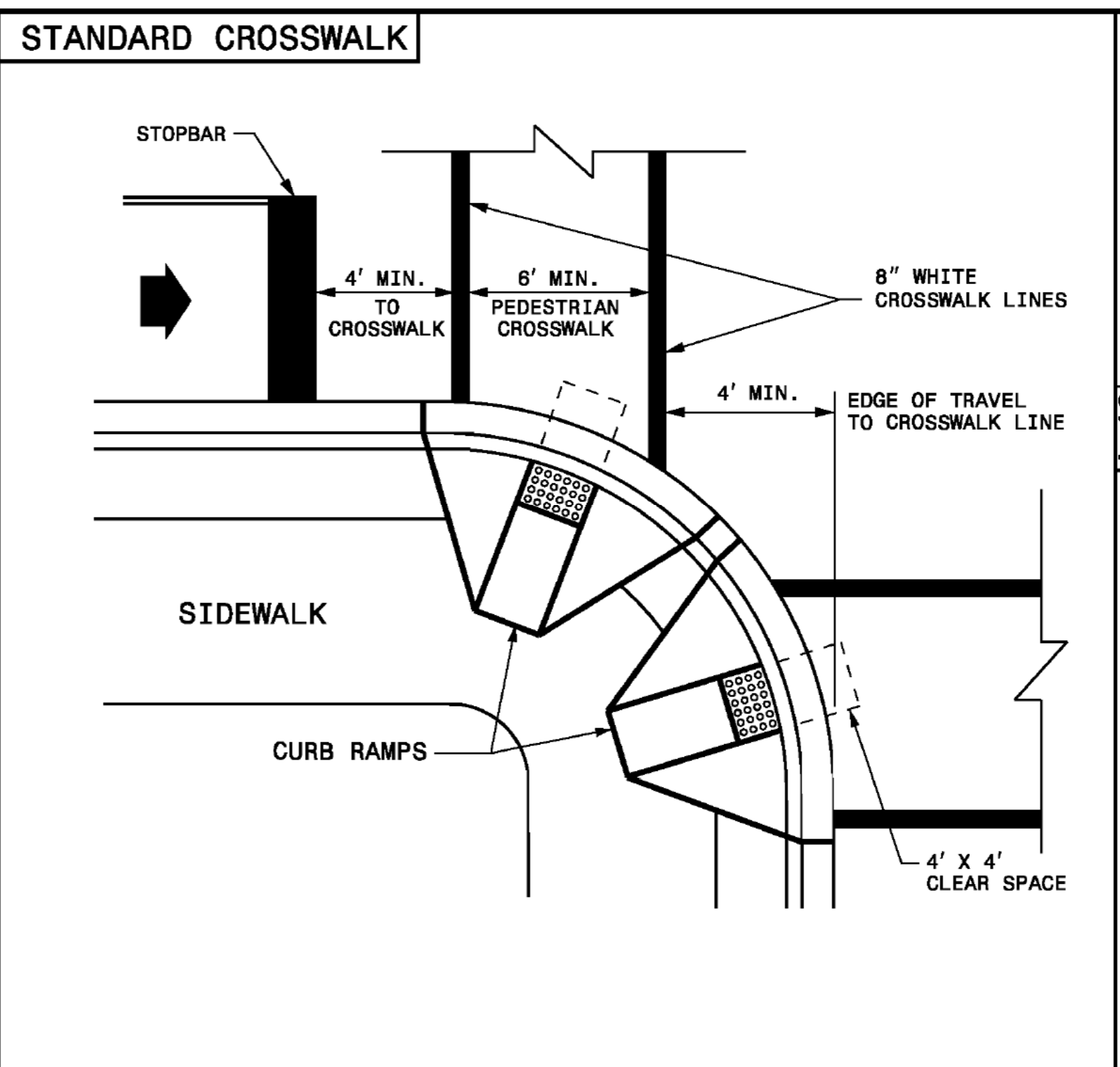
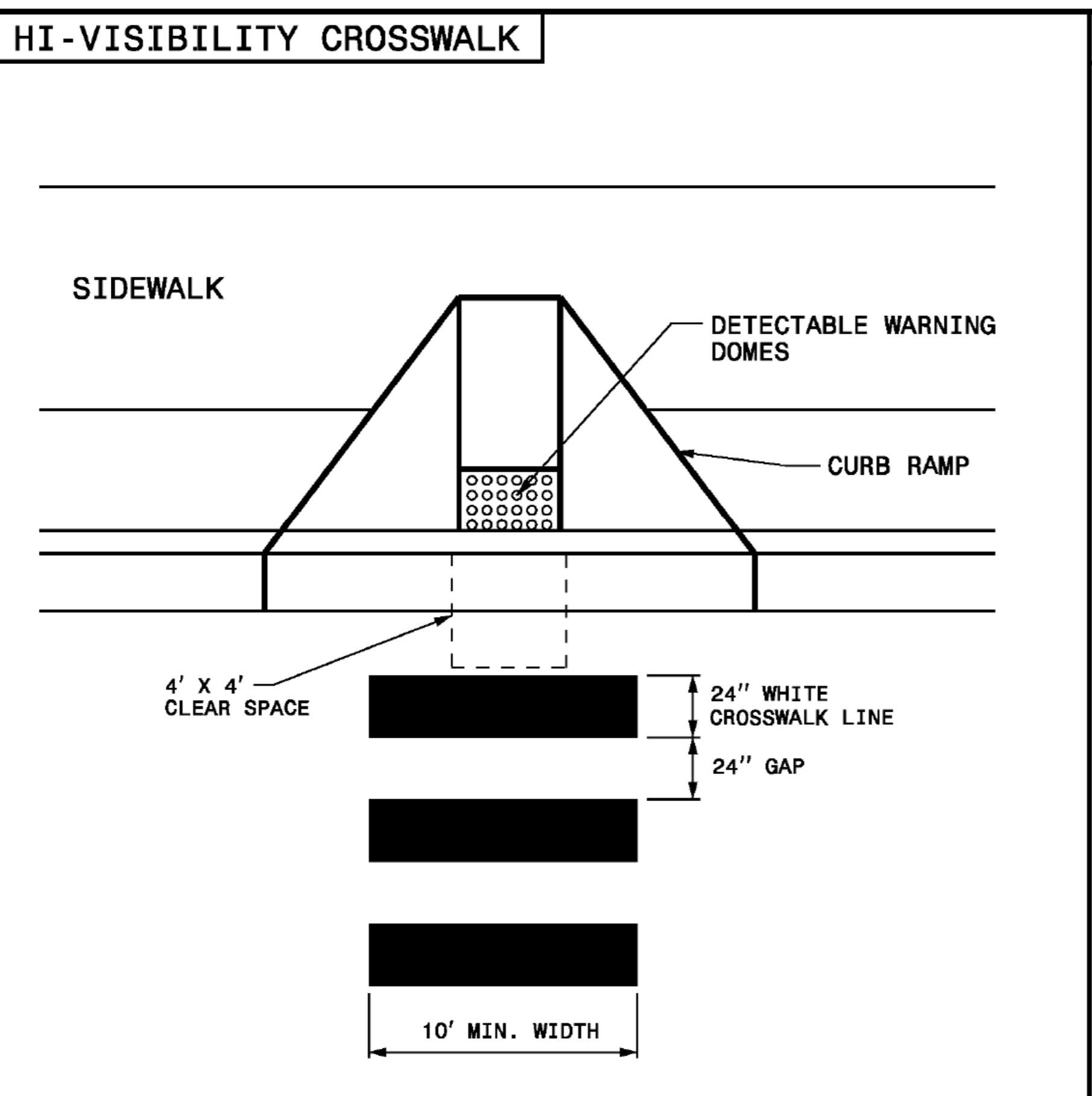
- 1- THE SCHOOL PAVEMENT MARKING CONSISTS OF SIX (6) CHARACTERS. THE TWO (2) 24" TRANSVERSE BANDS WILL BE PAID FOR UNDER A SEPARATE PAY ITEM. REFER TO ROADWAY STANDARD DRAWING 1205.10 FOR ADDITIONAL PAVEMENT MARKING GUIDANCE.
- 2- PAVEMENT MARKING IN ADVANCE OF A HIGHWAY-RAIL CROSSING SHALL CONSIST OF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

SHEET 3 OF 8
1205D08



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



1-12
ENGLISH STANDARD DRAWING FOR
PAVEMENT MARKINGS
PEDESTRIAN CROSSWALKS

- 1- THE MINIMUM WIDTH OF STANDARD CROSSWALKS IS 6 FEET. THE MINIMUM WIDTH OF HI-VISIBILITY CROSSWALKS IS 10 FEET.
- 2- SET BACK DISTANCE FROM INSIDE CROSSWALK MARKING TO NEAREST EDGE OF TRAVEL IS 4' MIN.
- 3- BEYOND THE CURB FACE, A CLEAR SPACE OF 4' X 4' FEET MINIMUM SHALL BE PROVIDED WITHIN THE WIDTH OF THE CROSSWALK.
- 4- PLACE STOP BARS A MINIMUM OF 4 FEET FROM NEAREST CROSSWALK LINE. STOP BARS AT SIGNALIZED INTERSECTIONS SHOULD BE COORDINATED WITH THE SIGNAL DESIGN SECTION OR AS DIRECTED BY THE ENGINEER.
- 5- CURB RAMPS SHALL BE CONSTRUCTED IN ACCORDANCE TO THE LATEST NCDOT ROADWAY STANDARD DRAWINGS.

LEGEND

- DIRECTION OF TRAFFIC FLOW
- CURB RAMP WITH DETECTABLE WARNING DOMES

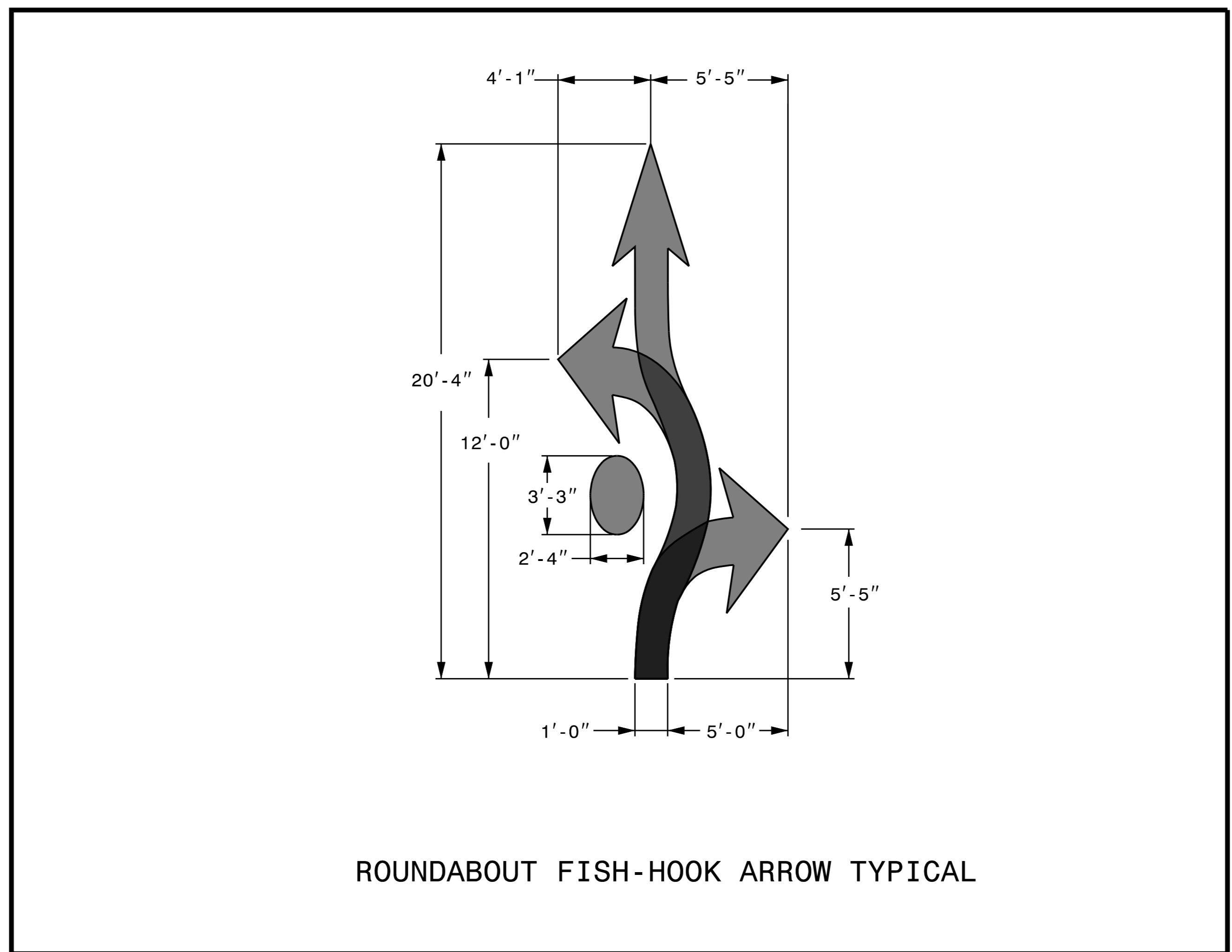
1-12
STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

ENGLISH STANDARD DRAWING FOR
PAVEMENT MARKINGS
PEDESTRIAN CROSSWALKS

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4/5/2016

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STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

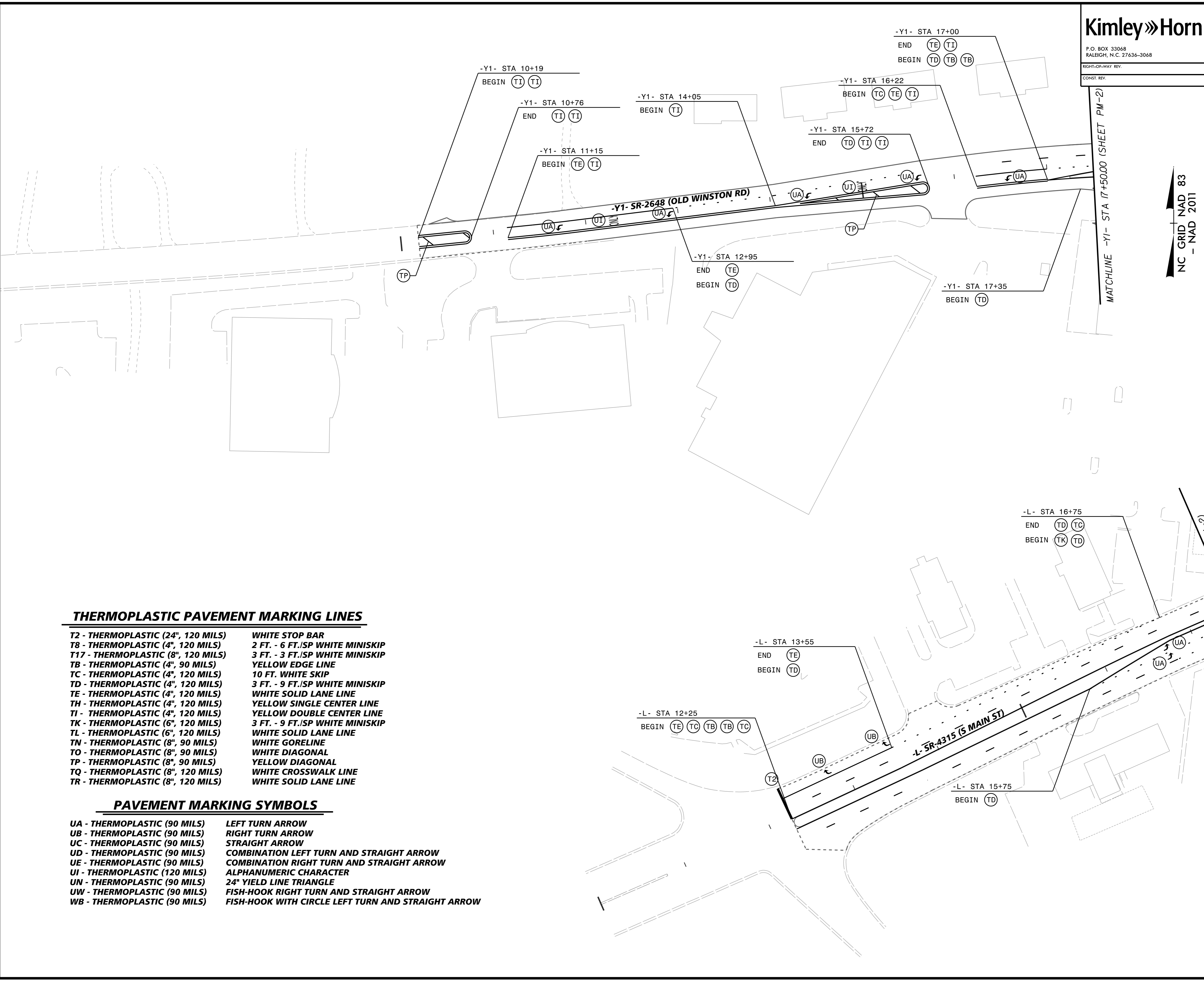


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Kimley»Horn
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 RIGHT-OF-WAY REV.
 CONST. REV.

PROJECT REFERENCE NO. W-5510	SHEET NO. PMP-3
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	
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THERMOPLASTIC PAVEMENT MARKING LINES

T2 - THERMOPLASTIC (24", 120 MILS)	WHITE STOP BAR
T8 - THERMOPLASTIC (4", 120 MILS)	2 FT. - 6 FT./SP WHITE MINISKIP
T17 - THERMOPLASTIC (8", 120 MILS)	3 FT. - 3 FT./SP WHITE MINISKIP
TB - THERMOPLASTIC (4", 90 MILS)	YELLOW EDGE LINE
TC - THERMOPLASTIC (4", 120 MILS)	10 FT. WHITE SKIP
TD - THERMOPLASTIC (4", 120 MILS)	3 FT. - 9 FT./SP WHITE MINISKIP
TE - THERMOPLASTIC (4", 120 MILS)	WHITE SOLID LANE LINE
TH - THERMOPLASTIC (4", 120 MILS)	YELLOW SINGLE CENTER LINE
TI - THERMOPLASTIC (4", 120 MILS)	YELLOW DOUBLE CENTER LINE
TK - THERMOPLASTIC (6", 120 MILS)	3 FT. - 9 FT./SP WHITE MINISKIP
TL - THERMOPLASTIC (6", 120 MILS)	WHITE SOLID LANE LINE
TN - THERMOPLASTIC (8", 90 MILS)	WHITE GORELINE
TO - THERMOPLASTIC (8", 90 MILS)	WHITE DIAGONAL
TP - THERMOPLASTIC (8", 90 MILS)	YELLOW DIAGONAL
TQ - THERMOPLASTIC (8", 120 MILS)	WHITE CROSSWALK LINE
TR - THERMOPLASTIC (8", 120 MILS)	WHITE SOLID LANE LINE

PAVEMENT MARKING SYMBOLS

UA - THERMOPLASTIC (90 MILS)	LEFT TURN ARROW
UB - THERMOPLASTIC (90 MILS)	RIGHT TURN ARROW
UC - THERMOPLASTIC (90 MILS)	STRAIGHT ARROW
UD - THERMOPLASTIC (90 MILS)	COMBINATION LEFT TURN AND STRAIGHT ARROW
UE - THERMOPLASTIC (90 MILS)	COMBINATION RIGHT TURN AND STRAIGHT ARROW
UI - THERMOPLASTIC (120 MILS)	ALPHANUMERIC CHARACTER
UN - THERMOPLASTIC (90 MILS)	24" YIELD LINE TRIANGLE
UW - THERMOPLASTIC (90 MILS)	FISH-HOOK RIGHT TURN AND STRAIGHT ARROW
WB - THERMOPLASTIC (90 MILS)	FISH-HOOK WITH CIRCLE LEFT TURN AND STRAIGHT ARROW

THERMOPLASTIC PAVEMENT MARKING LINES


T2 - THERMOPLASTIC (24", 120 MILS)
T8 - THERMOPLASTIC (4", 120 MILS)
T17 - THERMOPLASTIC (8", 120 MILS)
TB - THERMOPLASTIC (4", 90 MILS)
TC - THERMOPLASTIC (4", 120 MILS)
TD - THERMOPLASTIC (4", 120 MILS)
TE - THERMOPLASTIC (4", 120 MILS)
TH - THERMOPLASTIC (4", 120 MILS)
TI - THERMOPLASTIC (4", 120 MILS)
TK - THERMOPLASTIC (6", 120 MILS)
TL - THERMOPLASTIC (6", 120 MILS)
TN - THERMOPLASTIC (8", 90 MILS)
TO - THERMOPLASTIC (8", 90 MILS)
TP - THERMOPLASTIC (8", 90 MILS)
TQ - THERMOPLASTIC (8", 120 MILS)
TR - THERMOPLASTIC (8", 120 MILS)

WHITE STOP BAR
2 FT. - 6 FT./SP WHITE MINISKIP
3 FT. - 3 FT./SP WHITE MINISKIP
YELLOW EDGE LINE
10 FT. WHITE SKIP
3 FT. - 9 FT./SP WHITE MINISKIP
WHITE SOLID LANE LINE
YELLOW SINGLE CENTER LINE
YELLOW DOUBLE CENTER LINE
3 FT. - 9 FT./SP WHITE MINISKIP
WHITE SOLID LANE LINE
WHITE GORELINE
WHITE DIAGONAL
YELLOW DIAGONAL
WHITE CROSSWALK LINE
WHITE SOLID LANE LINE

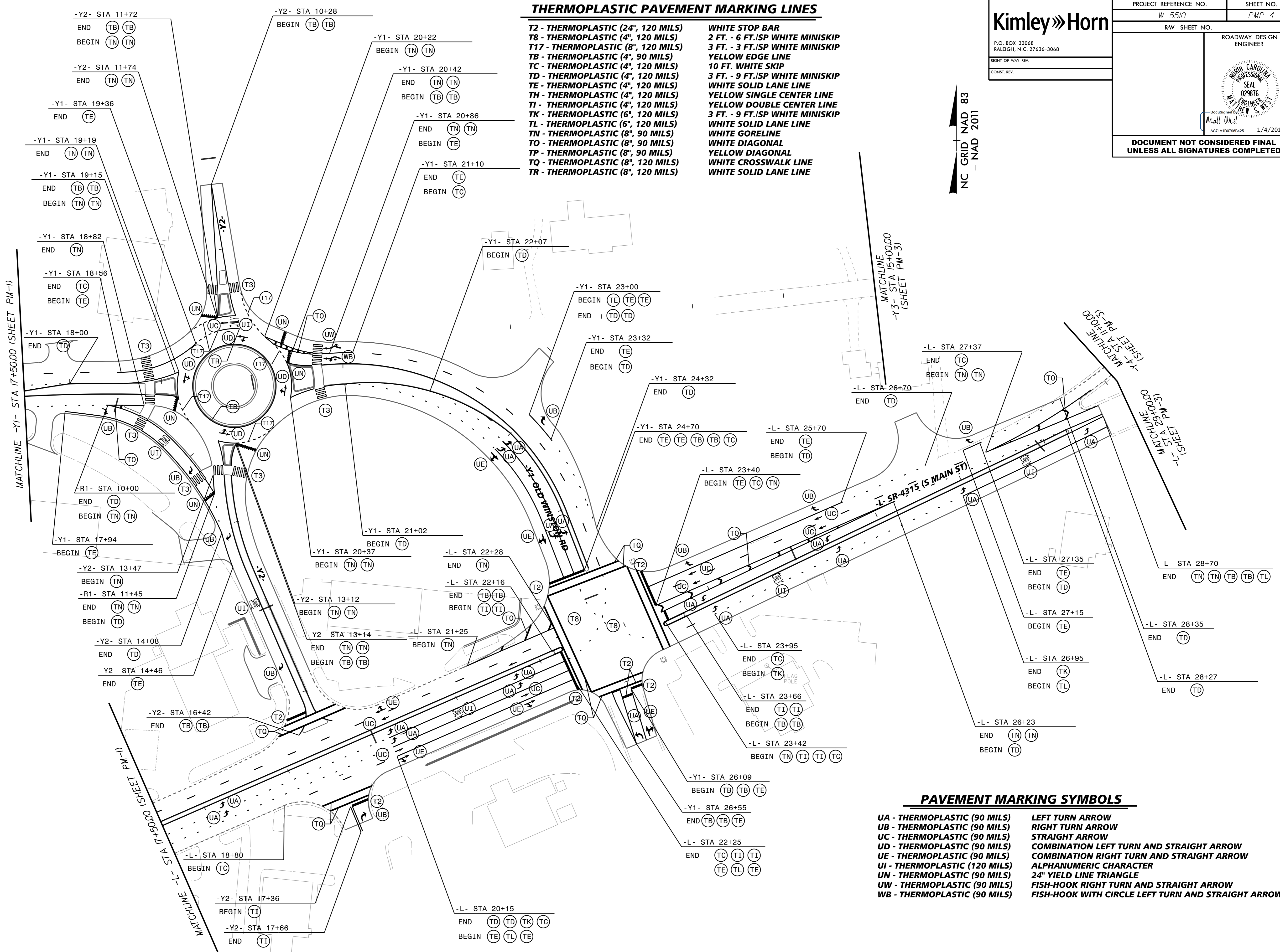
Kimley Horn

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PROJECT REFERENCE NO. W-5510	SHEET NO. PMP-4
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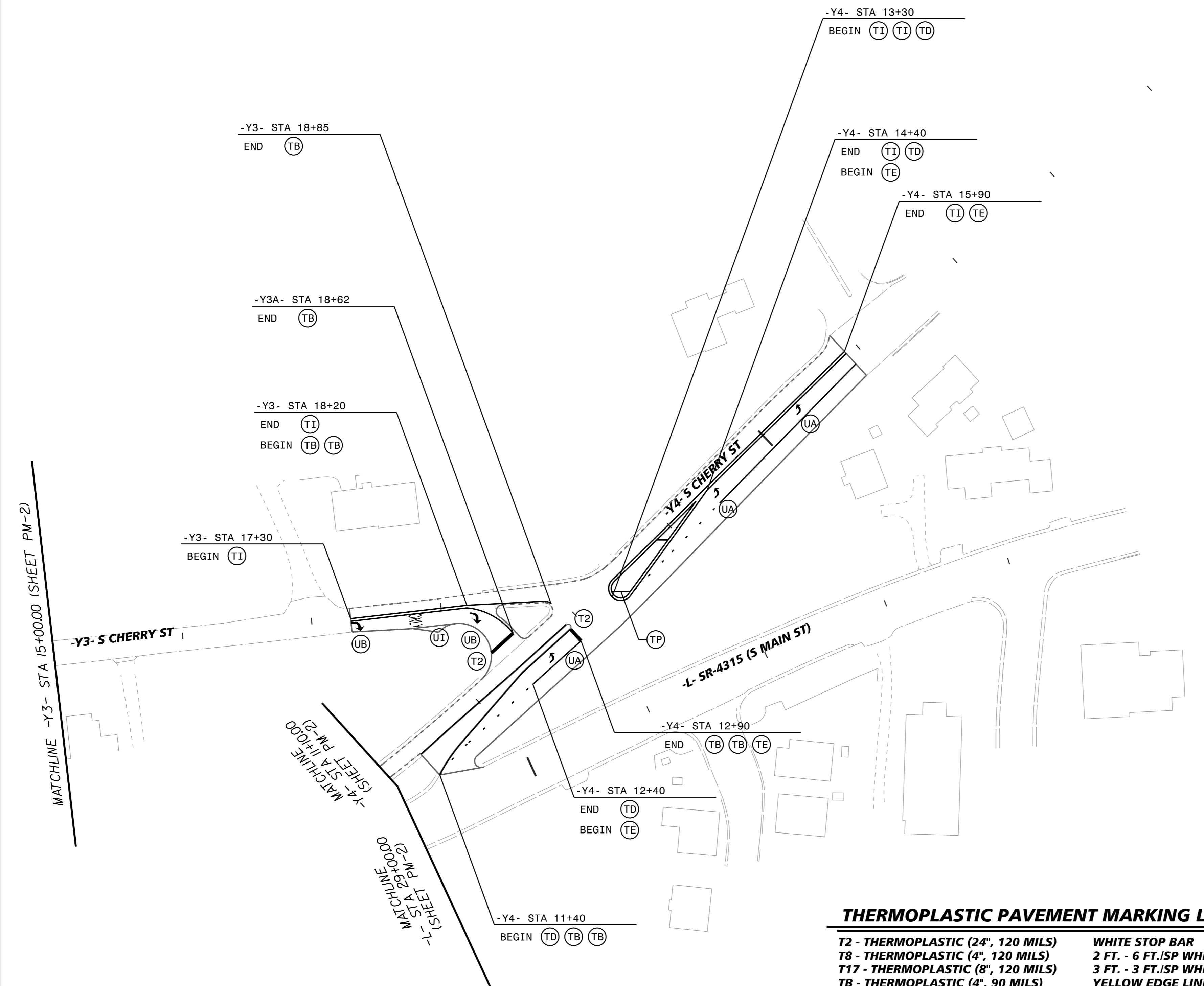
PAVEMENT MARKING SYMBOLS

UA - THERMOPLASTIC (90 MILS)	LEFT TURN ARROW
UB - THERMOPLASTIC (90 MILS)	RIGHT TURN ARROW
UC - THERMOPLASTIC (90 MILS)	STRAIGHT ARROW
UD - THERMOPLASTIC (90 MILS)	COMBINATION LEFT TURN AND STRAIGHT ARROW
UE - THERMOPLASTIC (90 MILS)	COMBINATION RIGHT TURN AND STRAIGHT ARROW
UI - THERMOPLASTIC (120 MILS)	ALPHANUMERIC CHARACTER
UN - THERMOPLASTIC (90 MILS)	24" YIELD LINE TRIANGLE
UW - THERMOPLASTIC (90 MILS)	FISH-HOOK RIGHT TURN AND STRAIGHT ARROW
WB - THERMOPLASTIC (90 MILS)	FISH-HOOK WITH CIRCLE LEFT TURN AND STRAIGHT ARROW

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PROJECT REFERENCE NO.		SHEET NO.	
W-5510		PMP-5	
R/W SHEET NO.			
ROADWAY DESIGN ENGINEER		ROADWAY DESIGN ENGINEER	
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THERMOPLASTIC PAVEMENT MARKING LINES

- | | |
|------------------------------------|----------------------------------|
| T2 - THERMOPLASTIC (24", 120 MILS) | WHITE STOP BAR |
| T8 - THERMOPLASTIC (4", 120 MILS) | 2 FT. - 6 FT. ISP WHITE MINISKIP |
| T17 - THERMOPLASTIC (8", 120 MILS) | 3 FT. - 3 FT. ISP WHITE MINISKIP |
| TB - THERMOPLASTIC (4", 90 MILS) | YELLOW EDGE LINE |
| TC - THERMOPLASTIC (4", 120 MILS) | 10 FT. WHITE SKIP |
| TD - THERMOPLASTIC (4", 120 MILS) | 3 FT. - 9 FT. ISP WHITE MINISKIP |
| TE - THERMOPLASTIC (4", 120 MILS) | WHITE SOLID LANE LINE |
| TH - THERMOPLASTIC (4", 120 MILS) | YELLOW SINGLE CENTER LINE |
| TI - THERMOPLASTIC (4", 120 MILS) | YELLOW DOUBLE CENTER LINE |
| TK - THERMOPLASTIC (6", 120 MILS) | 3 FT. - 9 FT. ISP WHITE MINISKIP |
| TL - THERMOPLASTIC (6", 120 MILS) | WHITE SOLID LANE LINE |
| TN - THERMOPLASTIC (8", 90 MILS) | WHITE GORELINE |
| TO - THERMOPLASTIC (8", 90 MILS) | WHITE DIAGONAL |
| TP - THERMOPLASTIC (8", 90 MILS) | YELLOW DIAGONAL |
| TQ - THERMOPLASTIC (8", 120 MILS) | WHITE CROSSWALK LINE |
| TR - THERMOPLASTIC (8", 120 MILS) | WHITE SOLID LANE LINE |

PAVEMENT MARKING SYMBOLS

- | | |
|-------------------------------|--|
| UA - THERMOPLASTIC (90 MILS) | LEFT TURN ARROW |
| UB - THERMOPLASTIC (90 MILS) | RIGHT TURN ARROW |
| UC - THERMOPLASTIC (90 MILS) | STRAIGHT ARROW |
| UD - THERMOPLASTIC (90 MILS) | COMBINATION LEFT TURN AND STRAIGHT ARROW |
| UE - THERMOPLASTIC (90 MILS) | COMBINATION RIGHT TURN AND STRAIGHT ARROW |
| UI - THERMOPLASTIC (120 MILS) | ALPHANUMERIC CHARACTER |
| UN - THERMOPLASTIC (90 MILS) | 24" YIELD LINE TRIANGLE |
| UW - THERMOPLASTIC (90 MILS) | FISH-HOOK RIGHT TURN AND STRAIGHT ARROW |
| WB - THERMOPLASTIC (90 MILS) | FISH-HOOK WITH CIRCLE LEFT TURN AND STRAIGHT ARROW |

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 MATCHLINE -Y4- STA 11+00.00 (SHEET PM-2)
 MATCHLINE -Y4- STA 12+90.00 (SHEET PM-2)