


T.I.P.: P-5204

CONTRACT: C203489

**STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLAN  
GUILFORD COUNTY**

**LOCATION: SR 2819 (McLEANSVILLE ROAD) GRADE SEPARATION OVER  
NSNCR RAILROAD FROM SR 2826 TO NORTH OF SR 2746**

TIP NO. P-5204	SHEET NO. PMP-01
APPROVED: <i>Melissa B. Toth</i>	
DATE: 6/18/2014	
SEAL	
	

**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
1205.04	PAVEMENT MARKINGS - INTERSECTIONS
1205.05	PAVEMENT MARKINGS - TURN LANES
1205.08	PAVEMENT MARKINGS - SYMBOLS AND WORD MESSAGES
1205.10	PAVEMENT MARKINGS - SCHOOL AREAS
1205.12	PAVEMENT MARKINGS - BRIDGES
1250.01	RAISED PAVEMENT MARKERS - INSTALLATION SPACING
1251.01	RAISED PAVEMENT MARKERS - PERMANENT AND TEMPORARY
1261.01	GUARDRAIL AND BARRIER DELINEATORS - INSTALLATION SPACING
1261.02	GUARDRAIL AND BARRIER DELINEATORS - TYPES AND MOUNTING
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- (McLEANSVILLE ROAD)	THERMOPLASTIC	PERMANENT RAISED
-Y1- (BETHEL CHURCH ROAD)	THERMOPLASTIC	NONE
-Y2- (FRIEDEN CHURCH ROAD)	THERMOPLASTIC	NONE
-Y3- (HINES ANDREWS ROAD)	THERMOPLASTIC	NONE
-Y4- (BIRCH CREEK ROAD)	THERMOPLASTIC	NONE
-L- BRIDGE OVER RAILROAD	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 POLYUREA PAVEMENT MARKING MATERIAL.

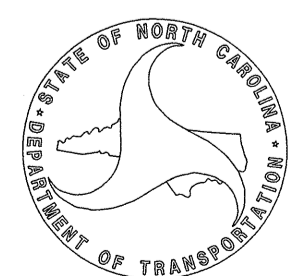
G) UNLESS OTHERWISE SPECIFIED, HEATED-IN-PLACE THERMOPLASTIC MAY BE USED IN LIEU OF EXTRUDED THERMOPLASTIC FOR STOP BARS, SYMBOLS, CHARACTERS AND DIAGONALS. IF HEATED-IN-PLACE IS USED, IT SHALL BE PAID FOR USING THE EXTRUDED THERMOPLASTIC PAY ITEM.

**INDEX**

SHEET NO.	DESCRIPTION
PMP-01	PAVEMENT MARKING PLAN COVER SHEET
PMP-01A	REVISED PAVEMENT MARKING ROADWAY STANDARD DRAWING
PMP-02-05	PAVEMENT MARKING PLANS

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

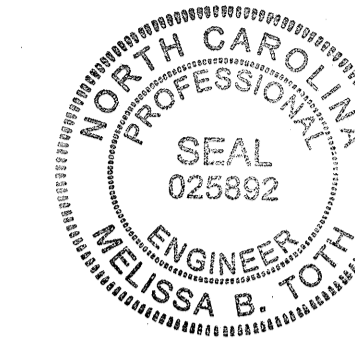
**SUSAN KUNZ** SIGNING & DELINEATION REGIONAL ENGINEER  
**JAMES HAMBRIGHT** SIGNING & DELINEATION PROJECT DESIGN ENGINEER/TECHNICIAN



PLAN PREPARED BY: ATKINS

**MELISSA TOTH, PE** PROJECT ENGINEER  
**A. MATTHEW THIGPEN, PE** PROJECT DESIGN ENGINEER

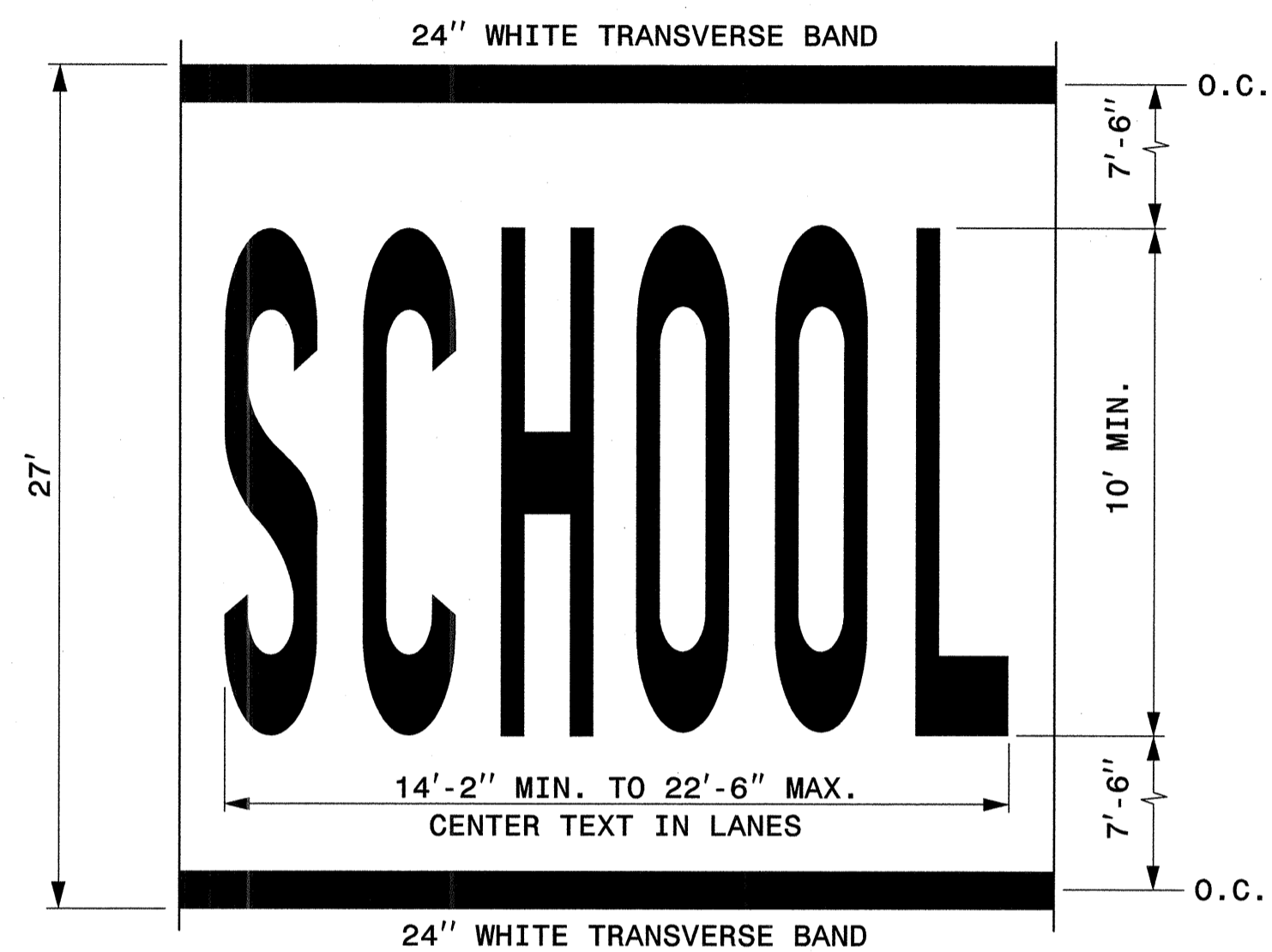
**ATKINS** 1616 EAST MILLBROOK ROAD, SUITE 310  
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DIVISION OF HIGHWAYS  
RALEIGH, N.C.

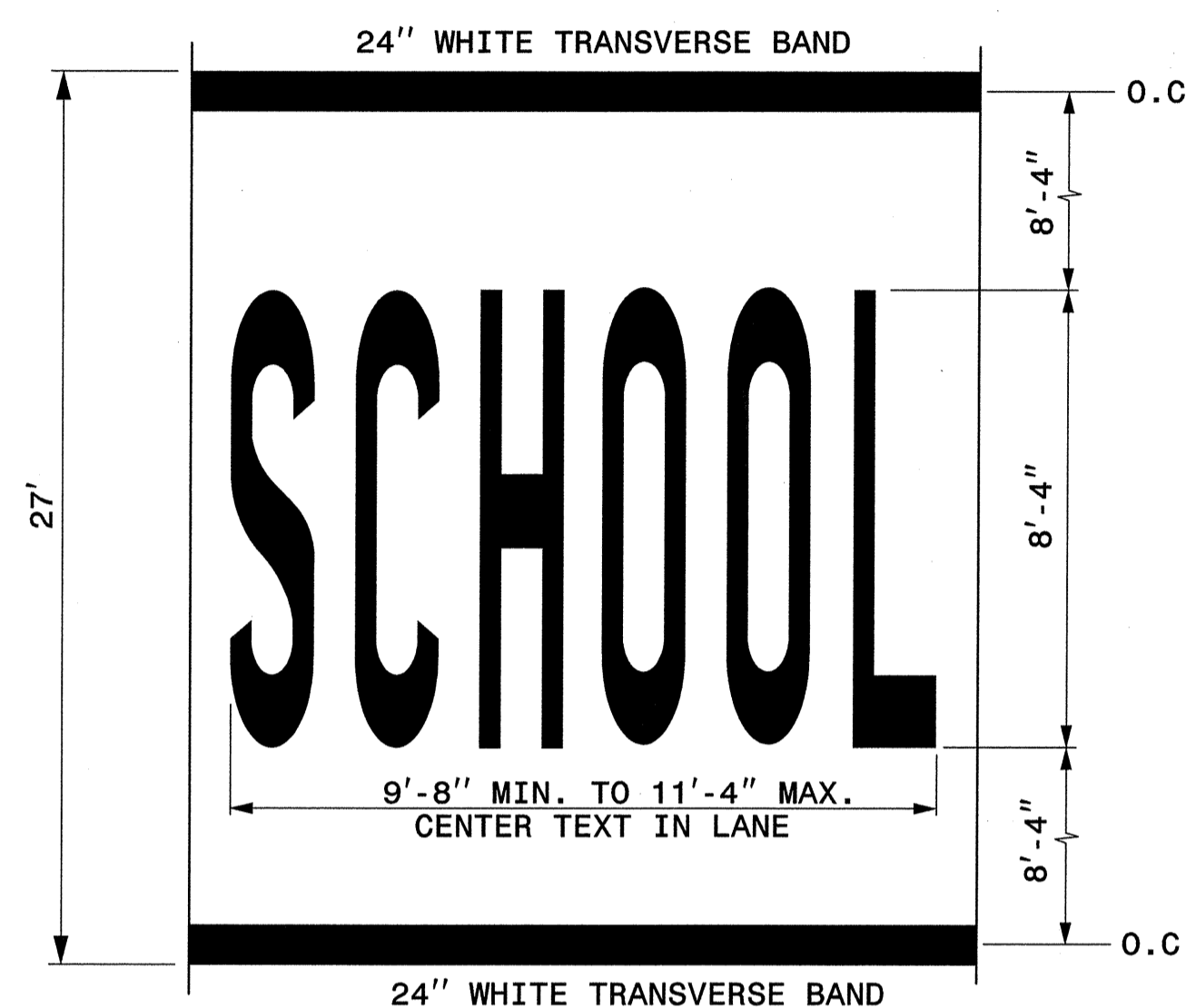
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MULTI-LANE WIDTH "SCHOOL"

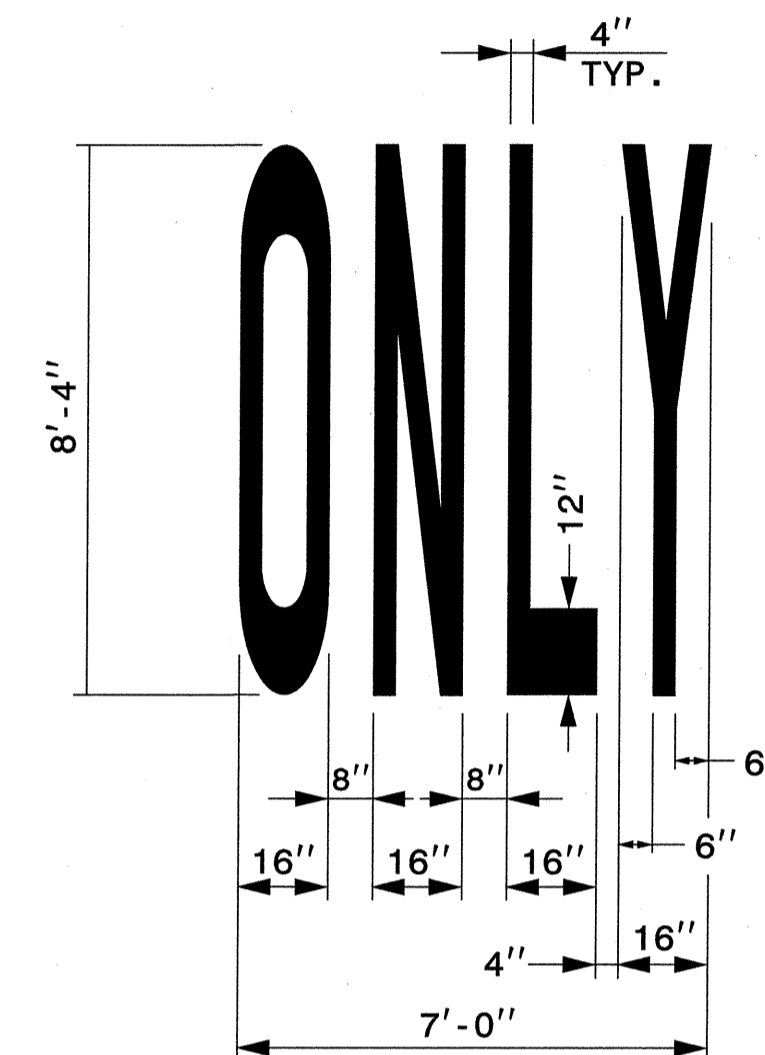


LETTER HEIGHT = 10' MIN.  
LETTER WIDTH = 20"  
SPACING = 10" MIN./30" MAX. (USE EQUAL SPACING BETWEEN LETTERS)  
NOTE: THE TWO-LANE PAVEMENT MARKING DIMENSIONS OF "SCHOOL" SHOWN IN PART 7 OF THE MUTCD MAY ALSO BE USED.

SINGLE LANE WIDTH "SCHOOL"

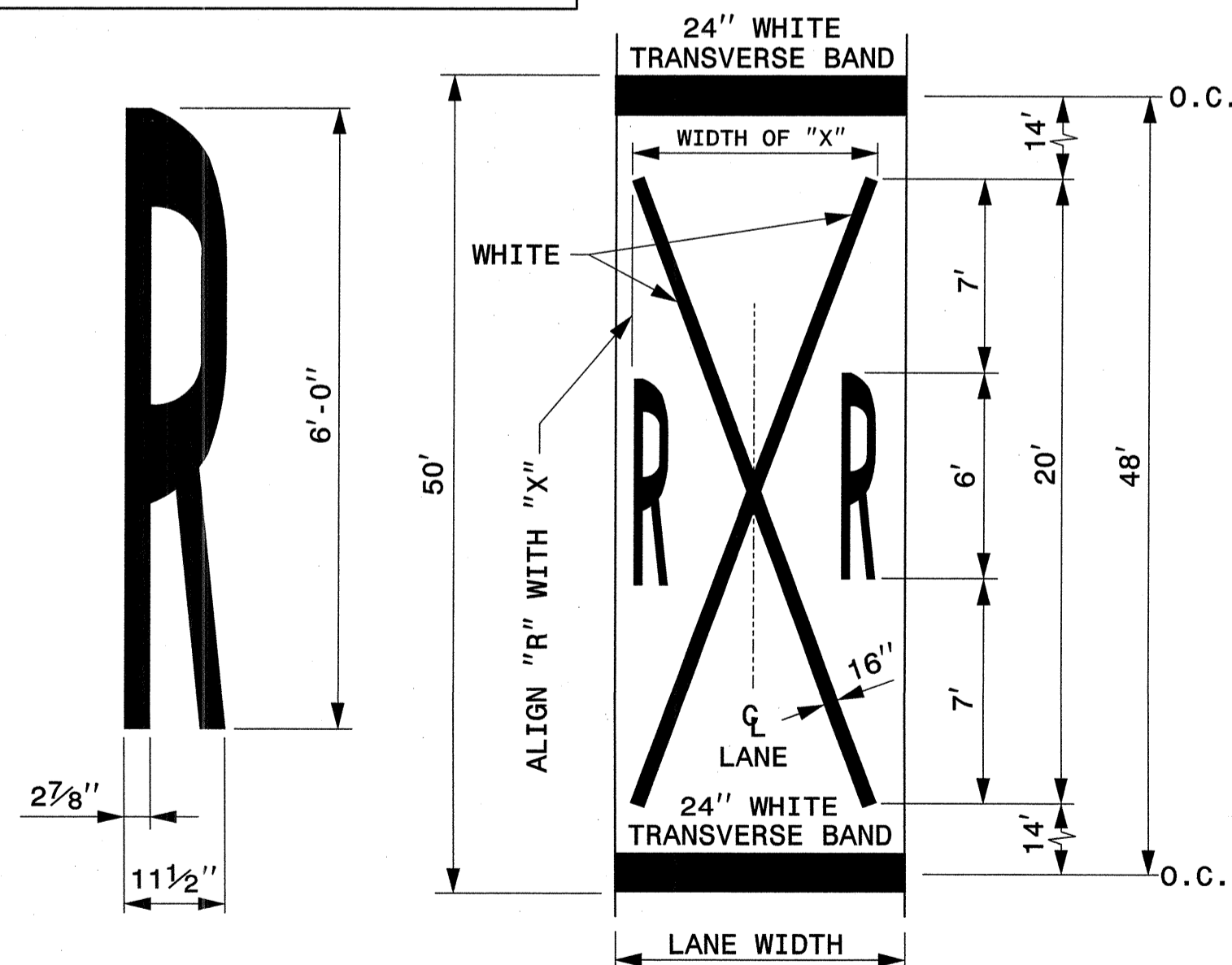


LETTER HEIGHT = 8'-4"  
LETTER WIDTH = 16"  
SPACING = 4" MIN./8" MAX. (USE EQUAL SPACING BETWEEN LETTERS)



ENGLISH DETAIL DRAWING FOR  
PAVEMENT MARKINGS  
SYMBOLS AND WORD MESSAGES

RAILROAD RXR SYMBOL



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


GENERAL NOTES:

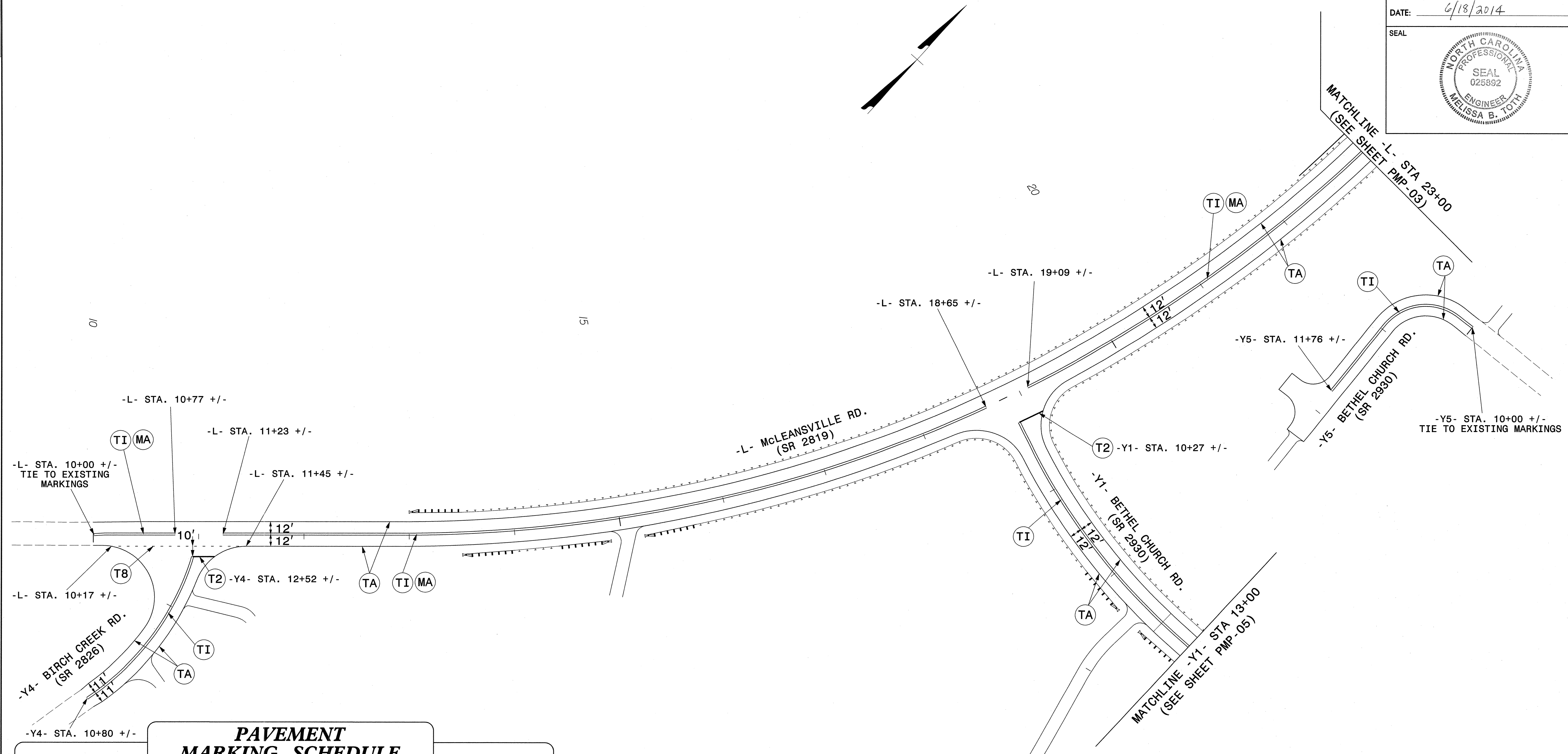
- 1- THE SCHOOL PAVEMENT MARKING CONSISTS OF SIX (6) CHARACTERS. THE TWO (2) 24" TRANSVERSE BANDS WILL BE PAID FOR UNDER A SEPARATE PAY ITEM. REFER TO ROADWAY STANDARD DRAWING 1205.10 FOR ADDITIONAL PAVEMENT MARKING GUIDANCE.
- 2- PAVEMENT MARKING IN ADVANCE OF A HIGHWAY-RAIL CROSSING SHALL CONSIST OF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

STATE OF NORTH CAROLINA  
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RALEIGH, N.C.

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ENGLISH DETAIL DRAWING FOR  
PAVEMENT MARKINGS  
SYMBOLS AND WORD MESSAGES

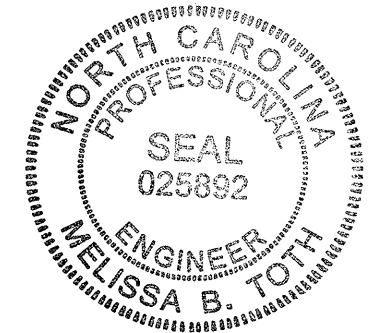
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APPROVED: <i>Melissa Booth</i>	
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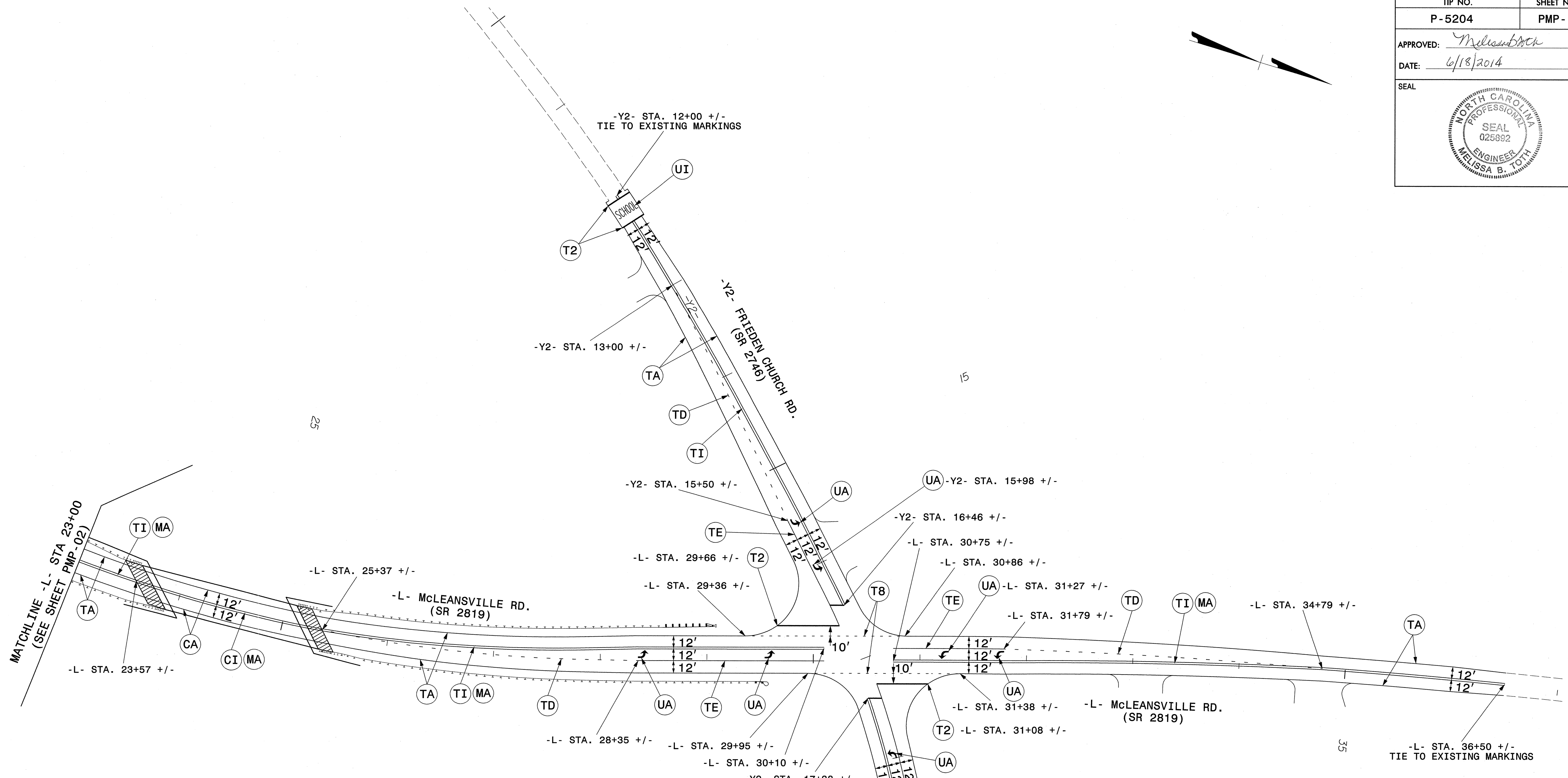


**PAVEMENT MARKING SCHEDULE**

SYMBOL	DESCRIPTION	
TA	WHITE EDGELINE	THERMOPLASTIC (4", 90 MILS)
TI	YELLOW DOUBLE CENTERLINE	THERMOPLASTIC (4", 120 MILS)
T2	WHITE STOP BAR	THERMOPLASTIC (24", 120 MILS)
T8	2 FT. - 6 FT. WHITE MINISKIP	THERMOPLASTIC (4", 120 MILS)
MA	YELLOW & YELLOW	PERMANENT RAISED PAVEMENT MARKERS

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APPROVED: <i>Melissa B. Toth</i>	
DATE: 6/18/2014	
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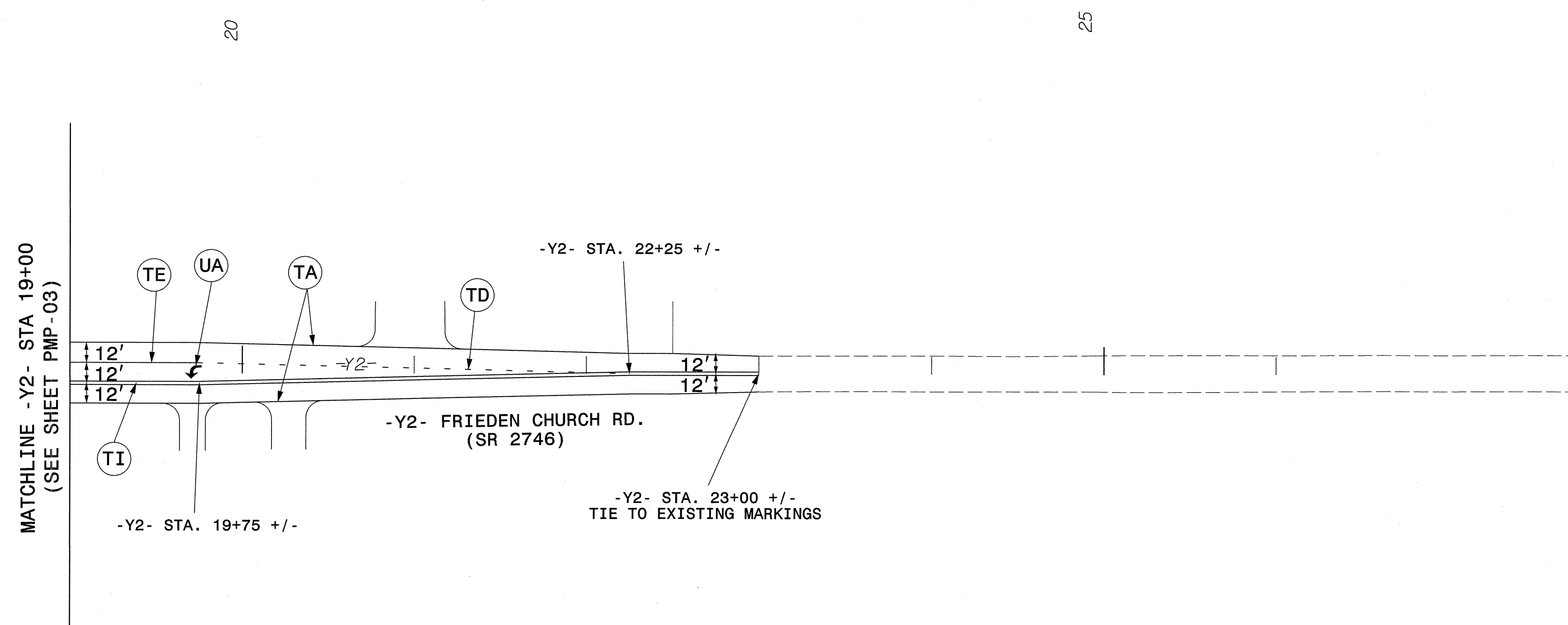
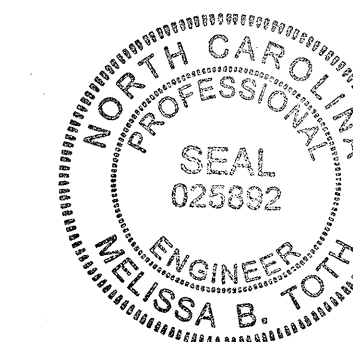
PAVEMENT MARKING SCHEDULE		
SYMBOL	DESCRIPTION	
CA	WHITE EDGELINE	COLD APPLIED PLASTIC (4")
CI	YELLOW DOUBLE CENTERLINE	COLD APPLIED PLASTIC (4")
TA	WHITE EDGELINE	THERMOPLASTIC (4", 90 MILS)
TD	3 FT. - 9 FT. WHITE MINISKIP	THERMOPLASTIC (4", 120 MILS)
TE	WHITE SOLID LANE LINE	THERMOPLASTIC (4", 120 MILS)
TI	YELLOW DOUBLE CENTERLINE	THERMOPLASTIC (4", 120 MILS)
T2	WHITE STOP BAR	THERMOPLASTIC (24", 120 MILS)
T8	2 FT. - 6 FT. WHITE MINISKIP	THERMOPLASTIC (4", 120 MILS)
UA	LEFT TURN ARROW	THERMOPLASTIC (90 MILS)
UI	ALPHANUMERIC CHARACTER	THERMOPLASTIC (120 MILS)
MA	YELLOW & YELLOW	PERMANENT RAISED PAVEMENT MARKERS

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APPROVED: *Melissa Booth*

DATE: 6/18/2014


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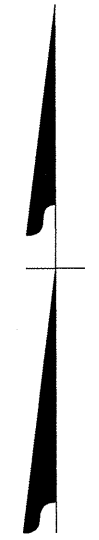
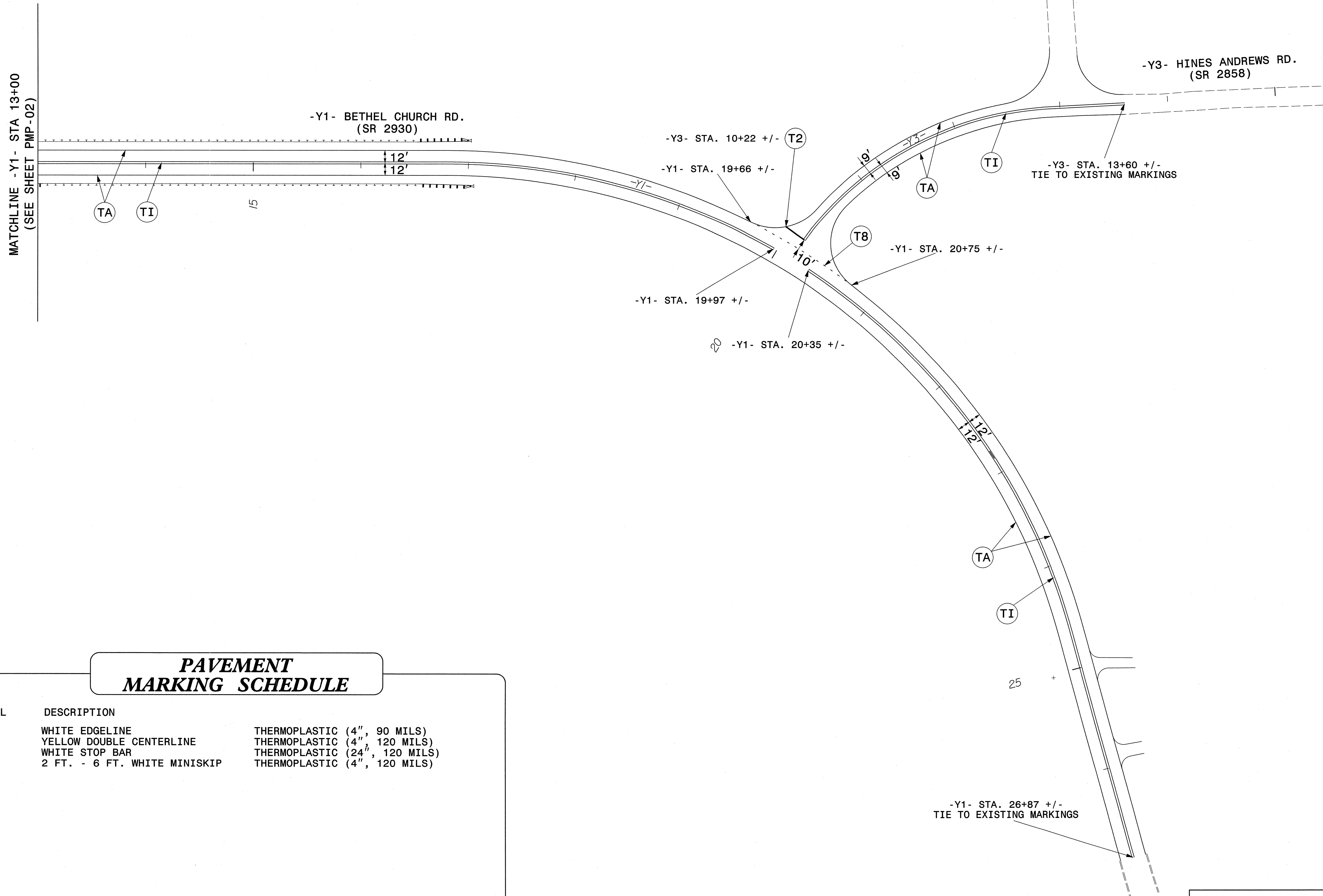


**PAVEMENT MARKING SCHEDULE**

SYMBOL	DESCRIPTION	
TA	WHITE EDGELINE	THERMOPLASTIC (4", 90 MILS)
TD	3 FT. - 9 FT. WHITE MINISKIP	THERMOPLASTIC (4", 120 MILS)
TE	WHITE SOLID LANE LINE	THERMOPLASTIC (4", 120 MILS)
TI	YELLOW DOUBLE CENTERLINE	THERMOPLASTIC (4", 120 MILS)
UA	LEFT TURN ARROW	THERMOPLASTIC (90 MILS)

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TIP NO. P - 5204	SHEET NO. PMP - 05
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**PAVEMENT MARKING SCHEDULE**

SYMBOL	DESCRIPTION	
TA	WHITE EDGELINE	THERMOPLASTIC (4", 90 MILS)
TI	YELLOW DOUBLE CENTERLINE	THERMOPLASTIC (4", 120 MILS)
T2	WHITE STOP BAR	THERMOPLASTIC (24", 120 MILS)
T8	2 FT. - 6 FT. WHITE MINISKIP	THERMOPLASTIC (4", 120 MILS)

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