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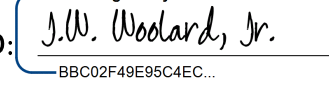
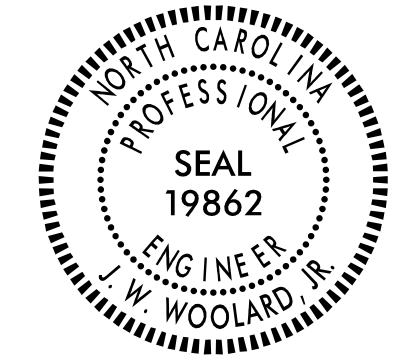

**T.I.P.: U-3330**

**CONTRACT NO.:**

**STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLAN  
NASH COUNTY**

**LOCATION: ROCKY MOUNT – US 301 BYPASS FROM SR 1836 (MAY  
DRIVE) TO NC 43-48 (BENVENUE ROAD) INTERCHANGE**

TIP NO. <b>U-3330</b>	SHEET NO. <b>PMP - 1</b>
APPROVED: 	
DATE: 3/7/2017	
	
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**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
1205.01	PAVEMENT MARKINGS - LINE TYPES & OFFSETS
1205.02	PAVEMENT MARKINGS - 2 LANE & MULTILANE ROADWAYS
1205.03	PAVEMENT MARKINGS - EXIT & ENTRANCE RAMP
1205.04	PAVEMENT MARKINGS - INTERSECTIONS
1205.05	PAVEMENT MARKINGS - TURN LANES
1205.07	PAVEMENT MARKINGS - PEDESTRIAN CROSSWALKS
1205.08	PAVEMENT MARKINGS - SYMBOLS & 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 & TEMPORARY
1261.01	GUARDRAIL & BARRIER DELINEATORS - INSTALLATION SPACING
1261.02	GUARDRAIL & BARRIER DELINEATORS - TYPES & 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
ALL ROADS	THERMOPLASTIC	PERMANENT RAISED
BRIDGE DECK	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) UNLESS OTHERWISE SPECIFIED, HEATED-IN-PLACE THERMOPLASTIC MAY BE USED IN LIEU OF EXTRUDED THERMOPLASTIC FOR STOP BARS, SYMBOLS, CHARACTERS AND DIAGONALS.

**FINAL PAVEMENT MARKING SCHEDULE**

SYMBOL	DESCRIPTION	PAY ITEM
CA	WHITE EDGELINE	(4") COLD APPLIED PLASTIC
CB	YELLOW EDGELINE	(4") COLD APPLIED PLASTIC
CC	10 FT WHITE SKIP	(4") COLD APPLIED PLASTIC
CD	3 FT-9 FT/SP WHITE MINISKIP	(4") COLD APPLIED PLASTIC
CE	WHITE SOLID LANE LINE	(4") COLD APPLIED PLASTIC
DA	LEFT TURN ARROW	COLD APPLIED PLASTIC
DB	RIGHT TURN ARROW	COLD APPLIED PLASTIC
DC	STRAIGHT ARROW	COLD APPLIED PLASTIC
DE	COMBO STRAIGHT/RIGHT	COLD APPLIED PLASTIC
T2	WHITE STOPBAR	(24", 120 MIL) THERMOPLASTIC
T8	2 FT-6 FT/SP WHITE MINISKIP	(4", 120 MIL) THERMOPLASTIC
T9	2 FT-6 FT/SP YELLOW 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
TI	YELLOW DOUBLE CENTER	(4", 120 MIL) THERMOPLASTIC
TN	WHITE GORELINE	(8", 90 MIL) THERMOPLASTIC
TO	WHITE DIAGONAL	(8", 90 MIL) THERMOPLASTIC
TP	YELLOW DIAGONAL	(8", 90 MIL) THERMOPLASTIC
TR	WHITE SOLID LANE LINE	(8", 120 MIL) THERMOPLASTIC
TU	WHITE 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
UD	COMBO STRAIGHT/LEFT	(90 MIL) THERMOPLASTIC
UE	COMBO STRAIGHT/RIGHT	(90 MIL) THERMOPLASTIC
UI	ALPHANUMERIC CHAR	(120 MIL) THERMOPLASTIC
UM	YIELD LINE TRIANGLE	(12", 90 MIL) THERMOPLASTIC
UT	U-TURN ARROW	(90 MIL) THERMOPLASTIC

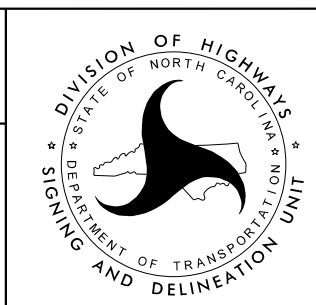
**INDEX**

SHEET NO.	DESCRIPTION
PMP-1	PAVEMENT MARKING PLAN TITLE AND SCHEDULE SHEET
PMP-1A-1B	REVISED ROADWAY STANDARD DRAWINGS
PMP-2-10	PAVEMENT MARKING DETAIL

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

**AYMAN ALQUDWAH, P.E.** SIGNING & DELINEATION REGIONAL ENGINEER

**MITCH EATON** SIGNING & DELINEATION PROJECT DESIGN ENGINEER




**PLAN PREPARED BY:**

**JAY WOOLARD, P.E.** SENIOR TRANSPORTATION ENGINEER

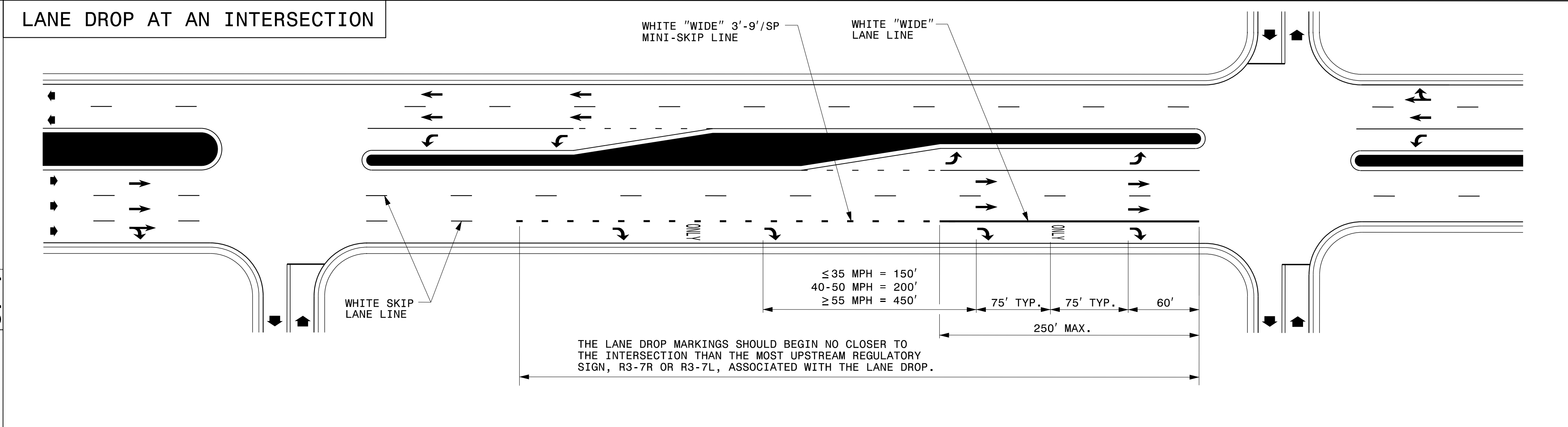
**ANDREW N. GOOD** TRANSPORTATION DESIGNER



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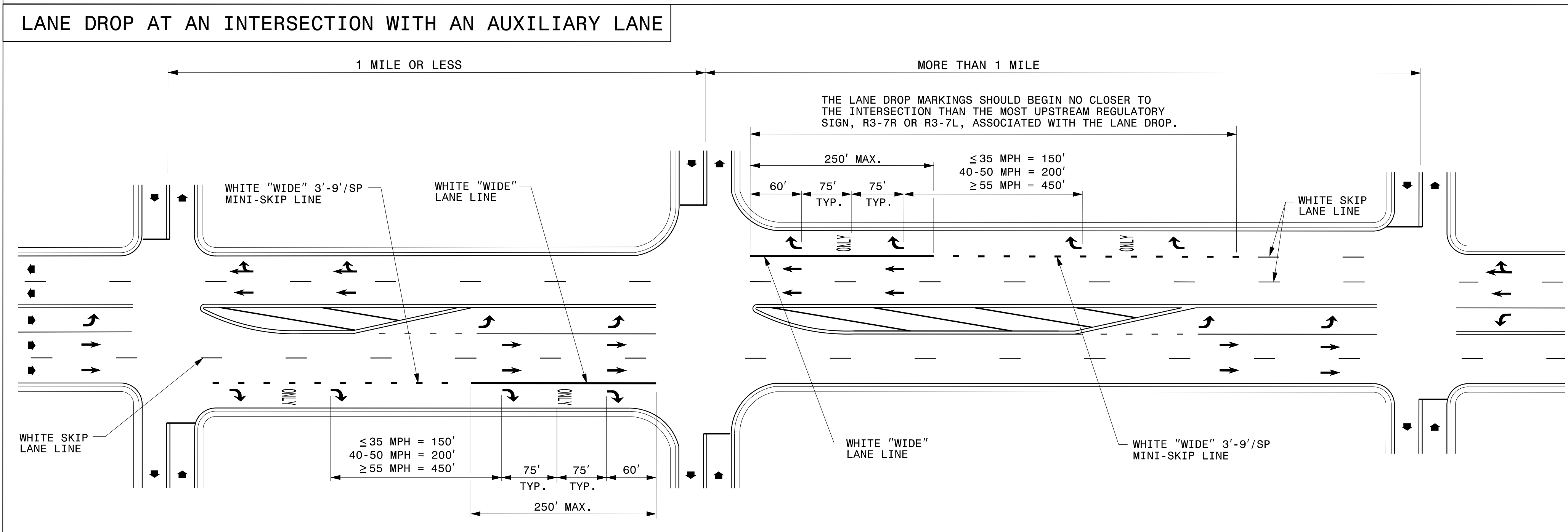
TIP NO. U-3330	SHEET NO. PMP-1A
APPROVED: <i>J.W. Woolard, Jr.</i> 3/7/2017	
DATE: 3/7/2017	
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STATE OF NORTH CAROLINA  
DEPT. OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
RALEIGH, N.C.



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	ONLY PAVEMENT MARKING SYMBOLS & CHARACTERS
DIRECTION OF TRAFFIC FLOW	

SHEET 1 OF 3  
**1205D06**

SHEET 1 OF 3  
**1205D06**

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REVISED PAVEMENT MARKING  
ROADWAY STANDARD DRAWING



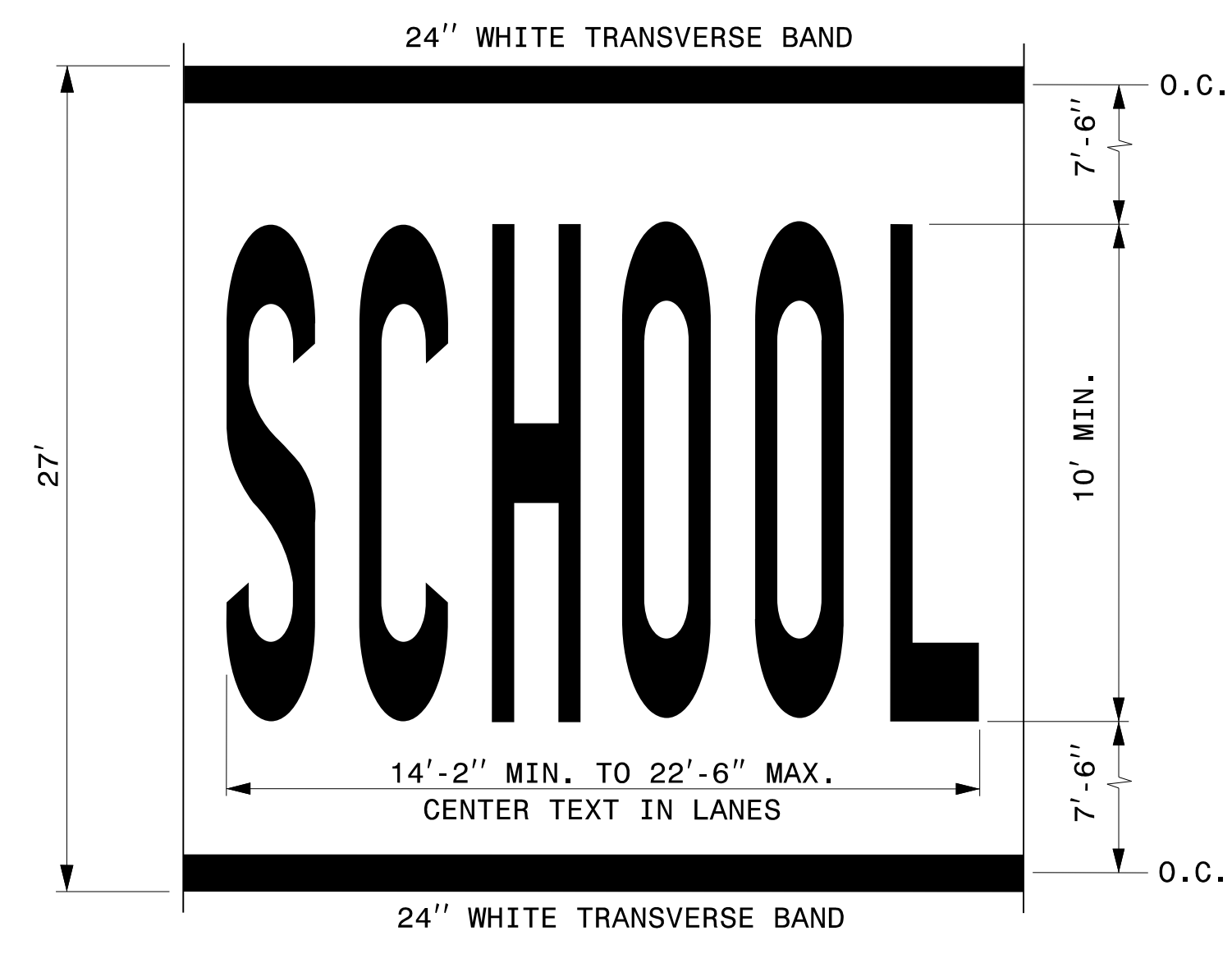
TIP NO.	SHEET NO.
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APPROVED: <i>J.M. Woodard, Jr.</i>	
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STATE OF NORTH CAROLINA  
 DEPT. OF TRANSPORTATION  
 DIVISION OF HIGHWAYS  
 RALEIGH, N.C.

ENGLISH DETAIL DRAWING FOR  
**PAVEMENT MARKINGS**  
 SYMBOLS AND WORD MESSAGES

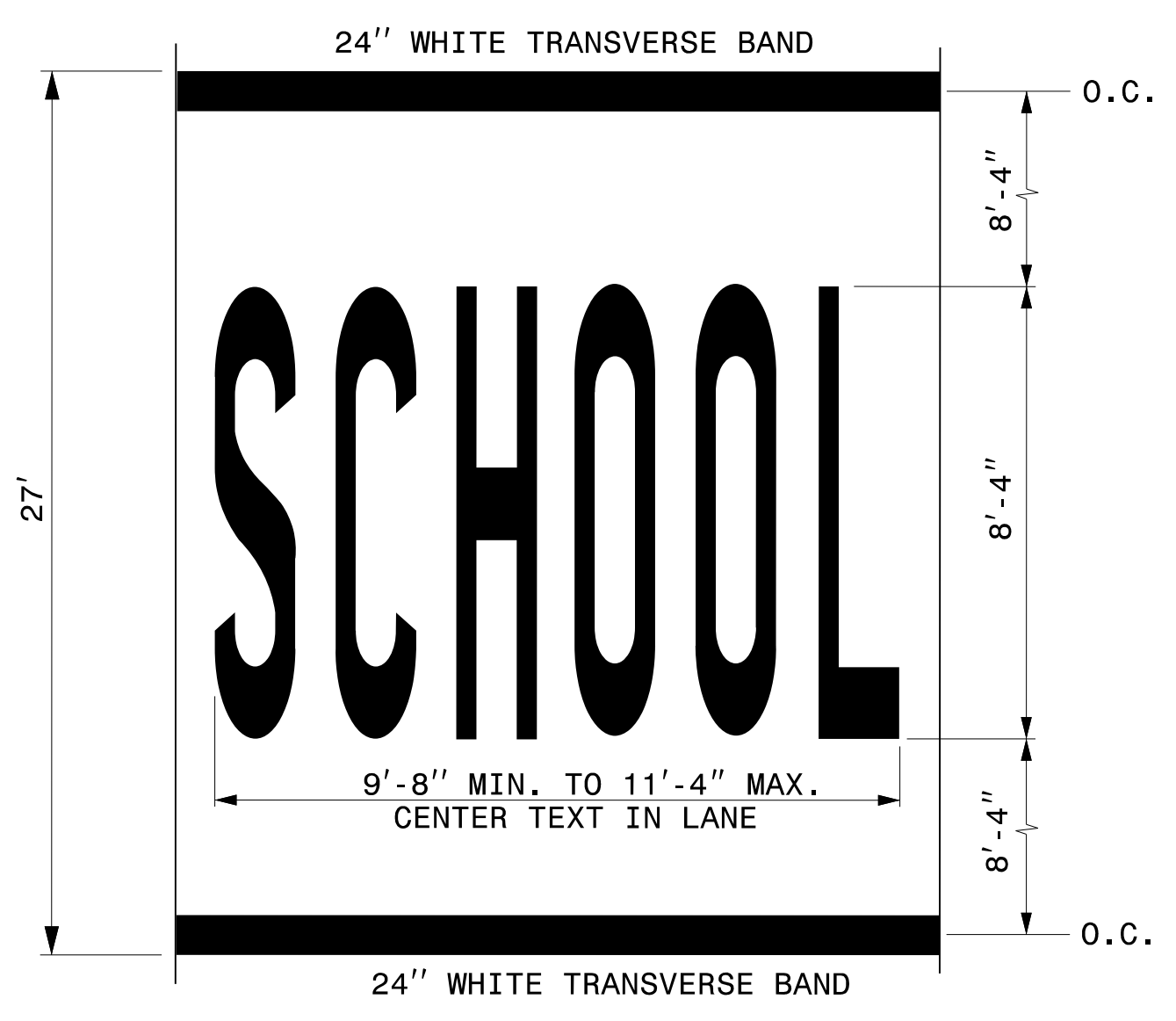
SHEET 3 OF 8  
**1205D08**

**MULTI-LANE WIDTH "SCHOOL"**



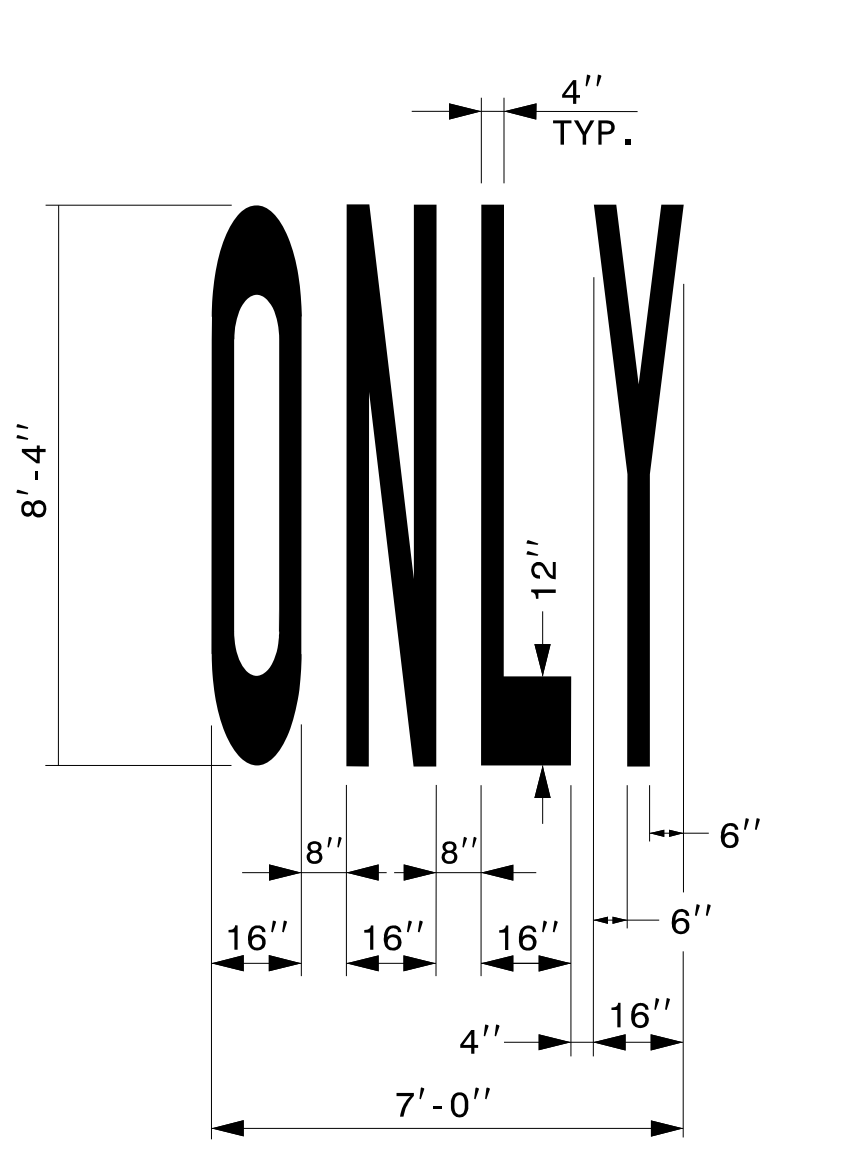
LETTER HEIGHT = 10' MIN.  
 LETTER WIDTH = 20"  
 SPACING = 10" MIN./30" MAX. (USE EQUAL SPACING BETWEEN LETTERS)  
 NOTE: THE TWO-LANE PAVEMENT MARKING DIMENSIONS OF "SCHOOL" SHOWN IN PART 7 OF THE MUTCD MAY ALSO BE USED.

**SINGLE LANE WIDTH "SCHOOL"**



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

**ONLY**

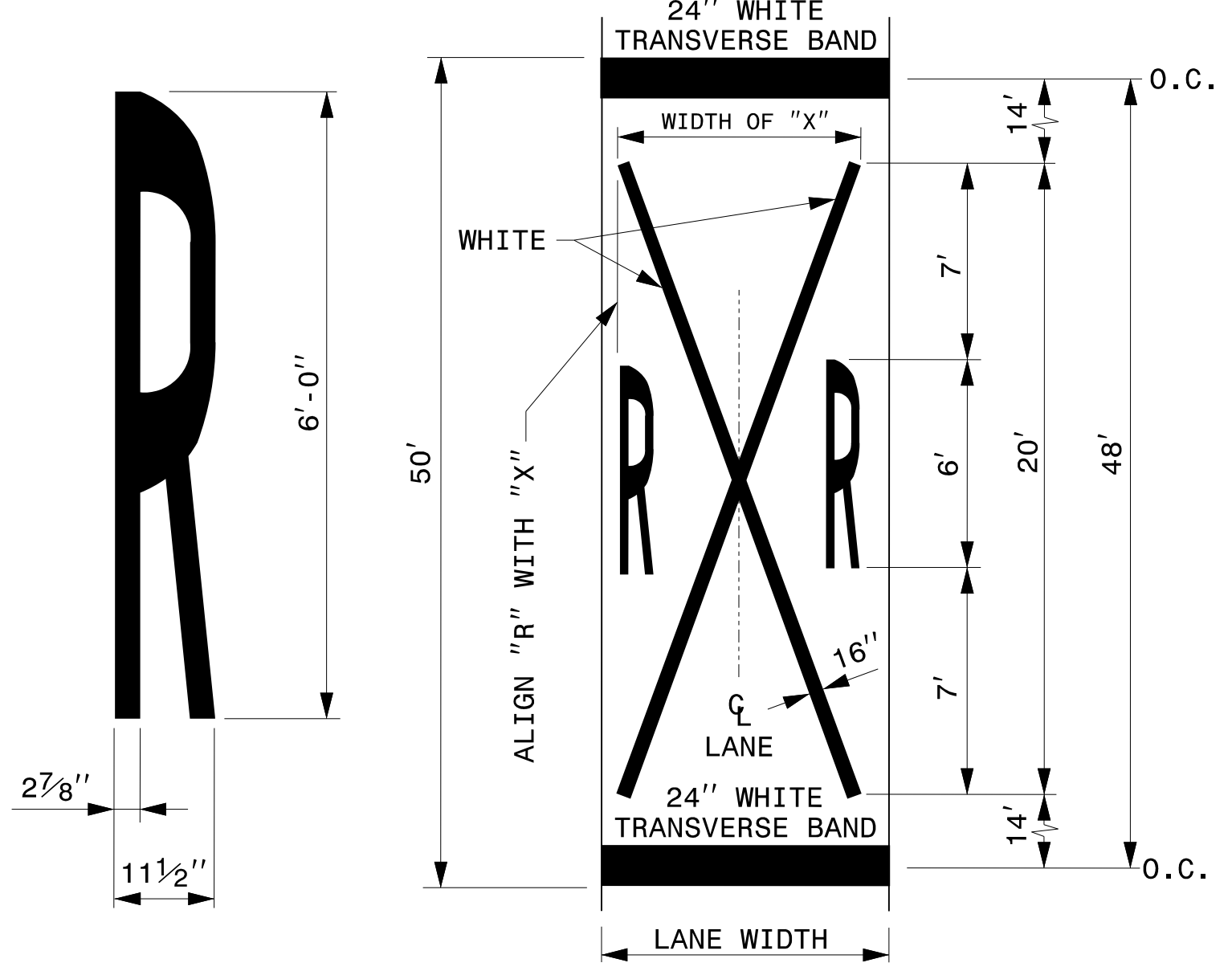


STATE OF NORTH CAROLINA  
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ENGLISH DETAIL DRAWING FOR  
**PAVEMENT MARKINGS**  
 SYMBOLS AND WORD MESSAGES

SHEET 3 OF 8  
**1205D08**

**RAILROAD RXR SYMBOL**



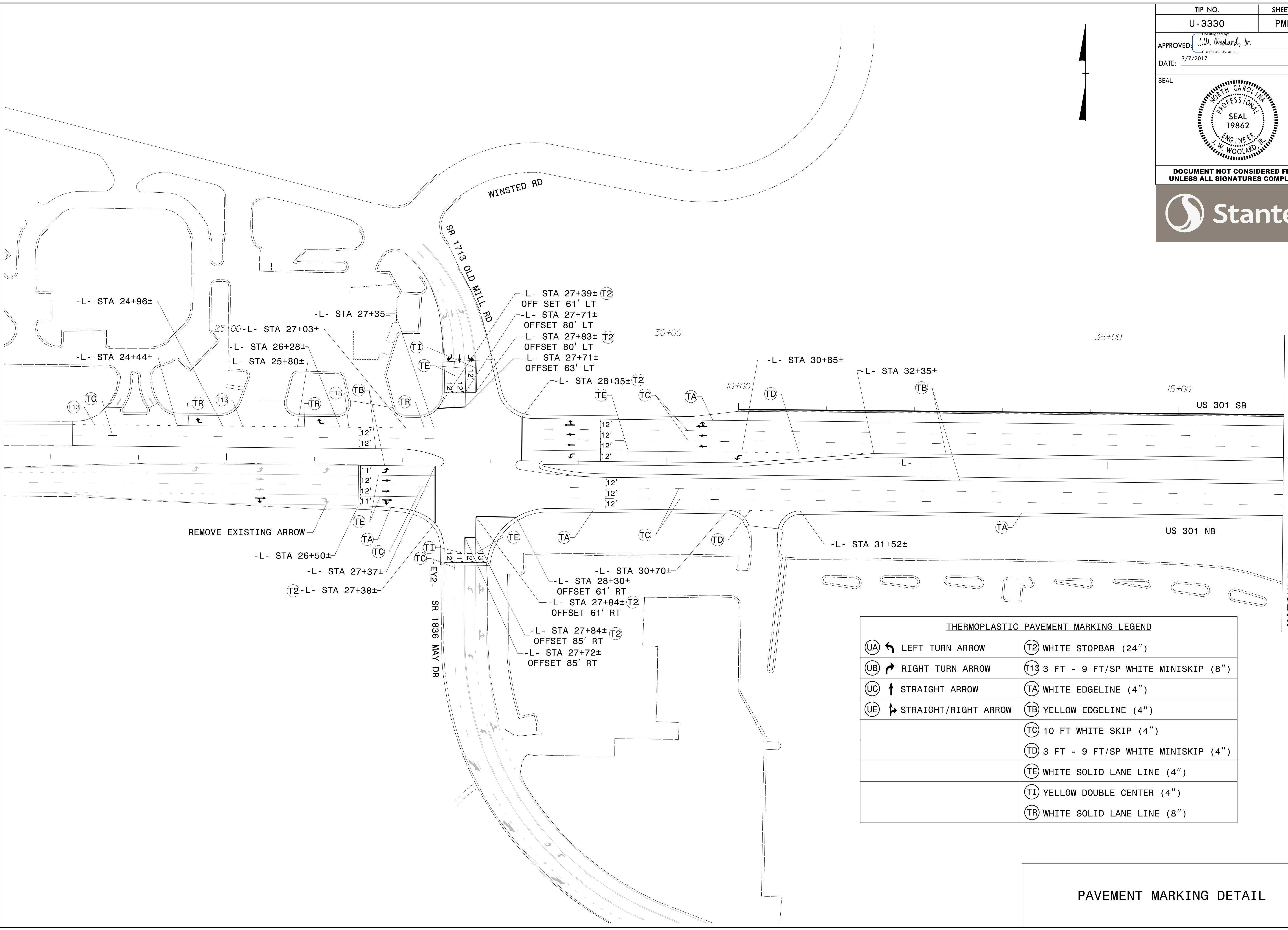
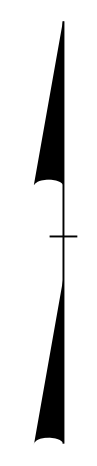
LANE WIDTH (FEET)	WIDTH OF "X" (FEET)
8' ≤ W ≤ 9'	7'
9' < W ≤ 12'	8'
W > 12'	10'

GENERAL NOTES:

- 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.
- 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

TIP NO. <b>U-3330</b>	SHEET NO. <b>PMP - 2</b>
APPROVED: <i>J.W. Woolard, Jr.</i> <small>BBC024885CAEC</small>	
DATE: 3/7/2017	
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THERMOPLASTIC PAVEMENT MARKING LEGEND	
(UA) LEFT TURN ARROW	(T2) WHITE STOPBAR (24")
(UB) RIGHT TURN ARROW	(T13) 3 FT - 9 FT/SP WHITE MINISKIP (8")
(UC) STRAIGHT ARROW	(TA) WHITE EDGELINE (4")
(UE) STRAIGHT/RIGHT ARROW	(TB) YELLOW EDGELINE (4")
	(TC) 10 FT WHITE SKIP (4")
	(TD) 3 FT - 9 FT/SP WHITE MINISKIP (4")
	(TE) WHITE SOLID LANE LINE (4")
	(TI) YELLOW DOUBLE CENTER (4")
	(TR) WHITE SOLID LANE LINE (8")

**PAVEMENT MARKING DETAIL**

MATCHLINE - L- STA. 37+00 SEE SHEET 3

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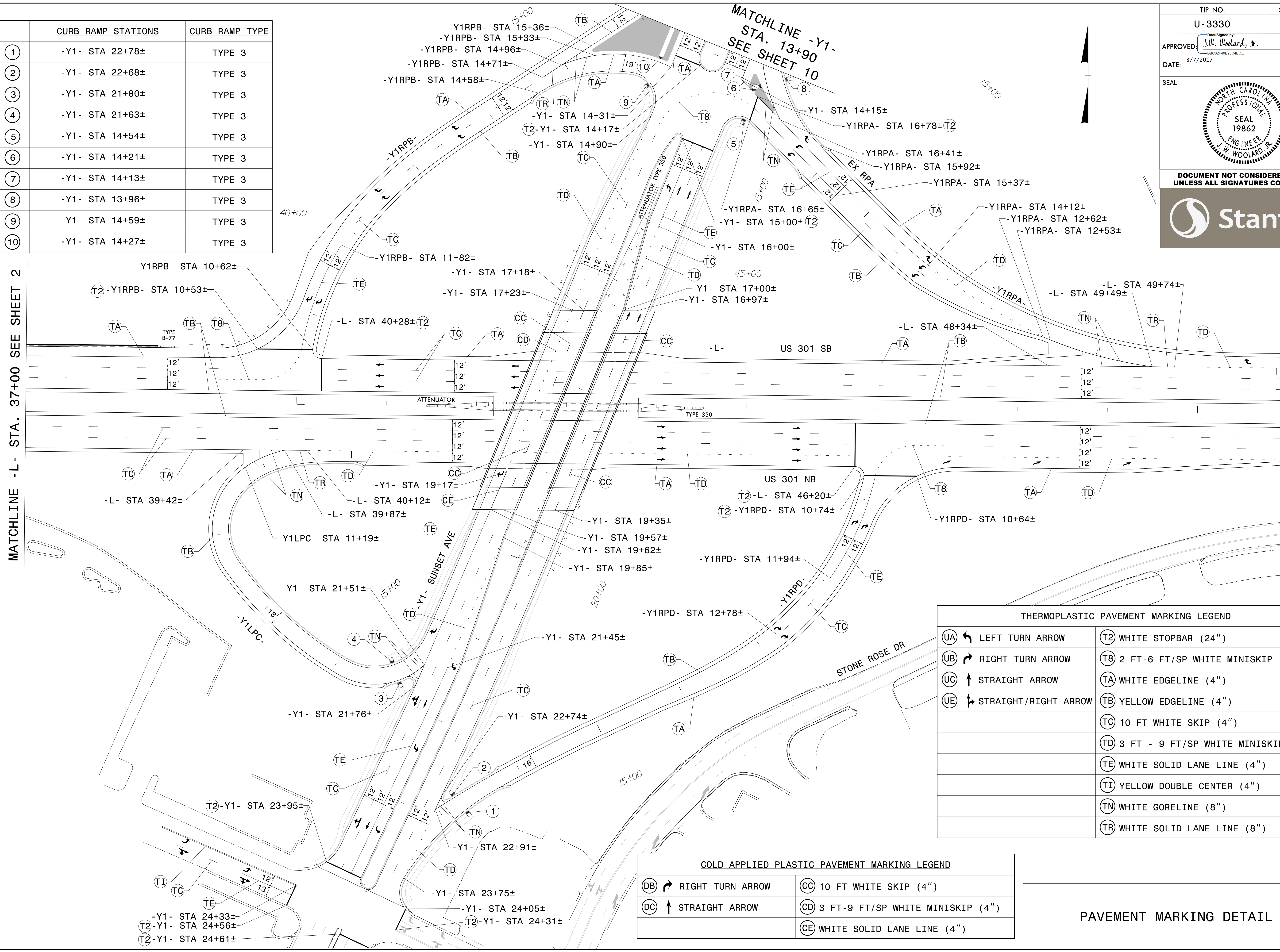
TIP NO.	SHEET NO.
U-3330	PMP-3
APPROVED: <i>J.W. Woolard, Jr.</i>	
DATE: 3/7/2017	
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	CURB RAMP STATIONS	CURB RAMP TYPE
①	-Y1- STA 22+78±	TYPE 3
②	-Y1- STA 22+68±	TYPE 3
③	-Y1- STA 21+80±	TYPE 3
④	-Y1- STA 21+63±	TYPE 3
⑤	-Y1- STA 14+54±	TYPE 3
⑥	-Y1- STA 14+21±	TYPE 3
⑦	-Y1- STA 14+13±	TYPE 3
⑧	-Y1- STA 13+96±	TYPE 3
⑨	-Y1- STA 14+59±	TYPE 3
⑩	-Y1- STA 14+27±	TYPE 3

MATCHLINE -L- STA. 37+00 SEE SHEET 2

MATCHLINE -L- STA. 51+00 SEE SHEET 4




UA	← LEFT TURN ARROW	T2	WHITE STOPBAR (24")
UB	→ RIGHT TURN ARROW	T8	2 FT-6 FT/SP WHITE MINISKIP (4")
UC	↑ STRAIGHT ARROW	TA	WHITE EDGELINE (4")
UE	↗ STRAIGHT/RIGHT ARROW	TB	YELLOW EDGELINE (4")
		TC	10 FT WHITE SKIP (4")
		TD	3 FT - 9 FT/SP WHITE MINISKIP (4")
		TE	WHITE SOLID LANE LINE (4")
		TI	YELLOW DOUBLE CENTER (4")
		TN	WHITE GORELINE (8")
		TR	WHITE SOLID LANE LINE (8")

DB	→ RIGHT TURN ARROW	CC	10 FT WHITE SKIP (4")
DC	↑ STRAIGHT ARROW	CD	3 FT-9 FT/SP WHITE MINISKIP (4")
		CE	WHITE SOLID LANE LINE (4")

PAVEMENT MARKING DETAIL

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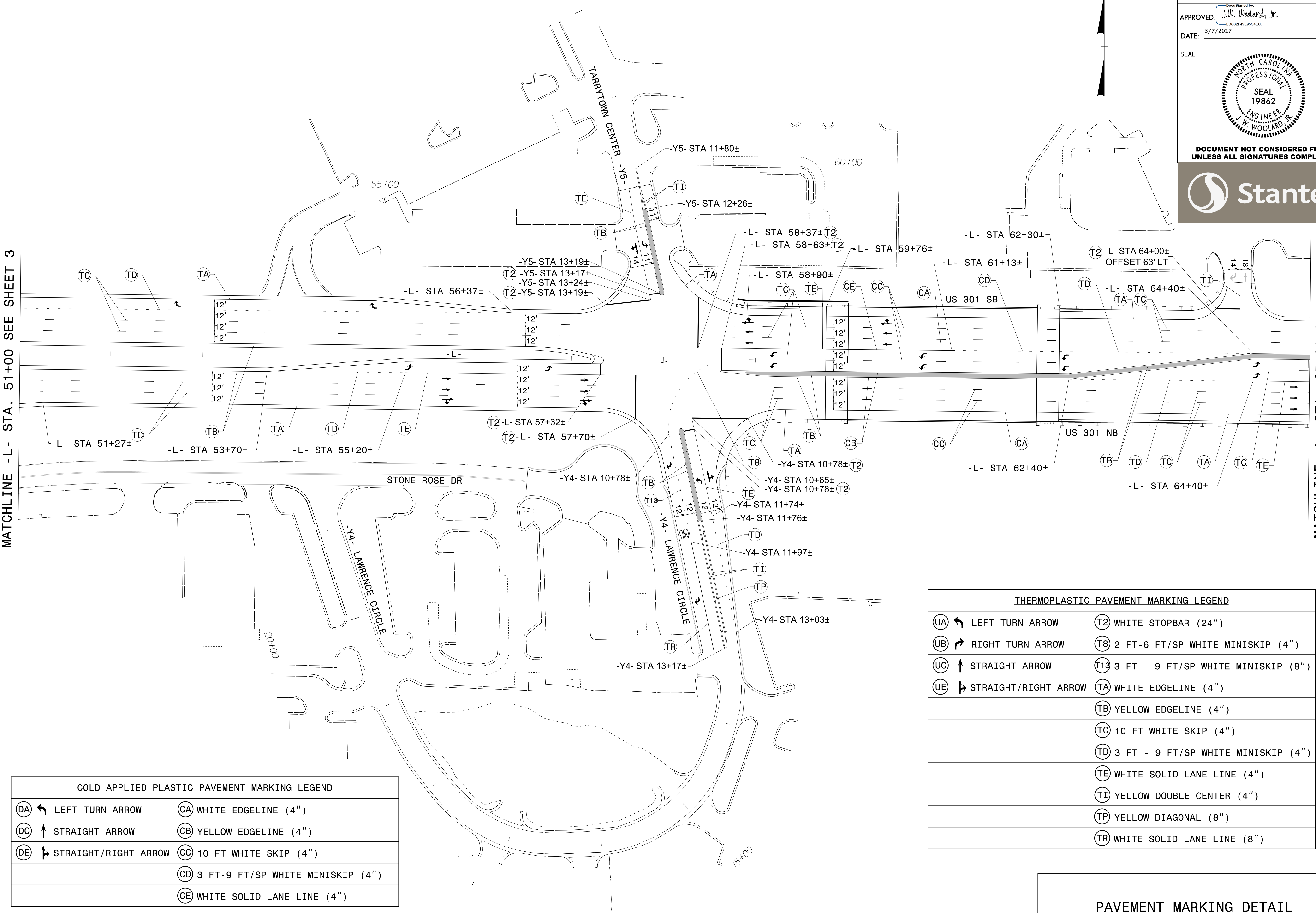


TIP NO. U-3330	SHEET NO. PMP - 4
APPROVED: <i>J.W. Woolard, Jr.</i> BBOC024885CAEC	
DATE: 3/7/2017	
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MATCHLINE - L- STA. 51+00 SEE SHEET 3

MATCHLINE - L- STA. 65+00 SEE SHEET 5



(DA) ← LEFT TURN ARROW	(CA) WHITE EDGELINE (4")
(DC) ↑ STRAIGHT ARROW	(CB) YELLOW EDGELINE (4")
(DE) ↗ STRAIGHT/RIGHT ARROW	(CC) 10 FT WHITE SKIP (4")
	(CD) 3 FT-9 FT/SP WHITE MINISKIP (4")
	(CE) WHITE SOLID LANE LINE (4")

(UA) ↙ LEFT TURN ARROW	(T2) WHITE STOPBAR (24")
(UB) ↘ RIGHT TURN ARROW	(T8) 2 FT-6 FT/SP WHITE MINISKIP (4")
(UC) ↑ STRAIGHT ARROW	(T13) 3 FT - 9 FT/SP WHITE MINISKIP (8")
(UE) ↗ STRAIGHT/RIGHT ARROW	(TA) WHITE EDGELINE (4")
	(TB) YELLOW EDGELINE (4")
	(TC) 10 FT WHITE SKIP (4")
	(TD) 3 FT - 9 FT/SP WHITE MINISKIP (4")
	(TE) WHITE SOLID LANE LINE (4")
	(TI) YELLOW DOUBLE CENTER (4")
	(TP) YELLOW DIAGONAL (8")
	(TR) WHITE SOLID LANE LINE (8")

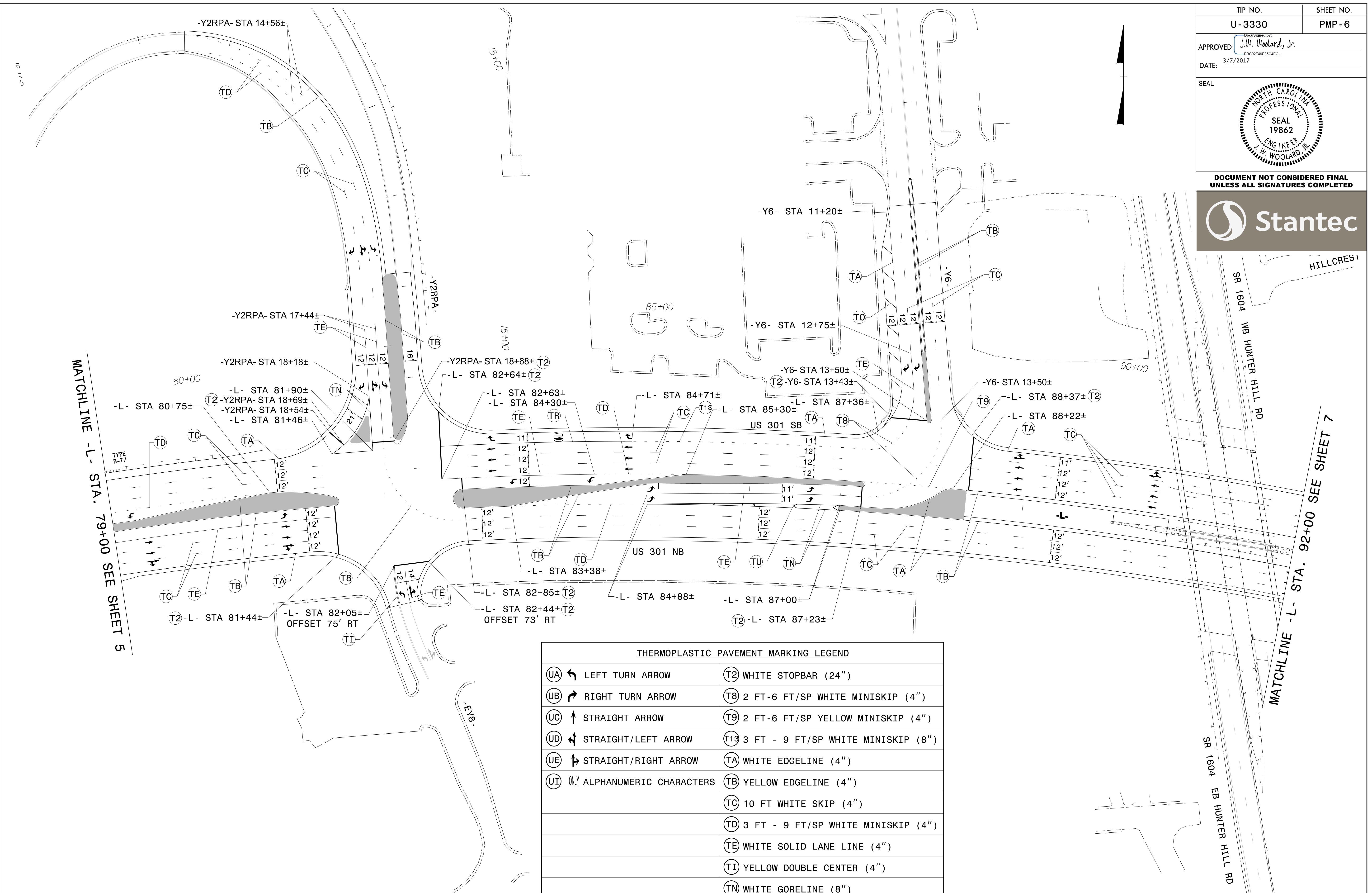
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PAVEMENT MARKING DETAIL





TIP NO. <b>U-3330</b>	SHEET NO. <b>PMP - 6</b>
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THERMOPLASTIC PAVEMENT MARKING LEGEND	
(UA) LEFT TURN ARROW	(T2) WHITE STOPBAR (24")
(UB) RIGHT TURN ARROW	(T8) 2 FT-6 FT/SP WHITE MINISKIP (4")
(UC) STRAIGHT ARROW	(T9) 2 FT-6 FT/SP YELLOW MINISKIP (4")
(UD) STRAIGHT/LEFT ARROW	(T13) 3 FT - 9 FT/SP WHITE MINISKIP (8")
(UE) STRAIGHT/RIGHT ARROW	(TA) WHITE EDGELINE (4")
(UI) ONLY ALPHANUMERIC CHARACTERS	(TB) YELLOW EDGELINE (4")
	(TC) 10 FT WHITE SKIP (4")
	(TD) 3 FT - 9 FT/SP WHITE MINISKIP (4")
	(TE) WHITE SOLID LANE LINE (4")
	(TI) YELLOW DOUBLE CENTER (4")
	(TN) WHITE GORELINE (8")
	(TO) WHITE DIAGONAL (8")
	(TU) WHITE DIAGONAL (12")

PAVEMENT MARKING DETAIL

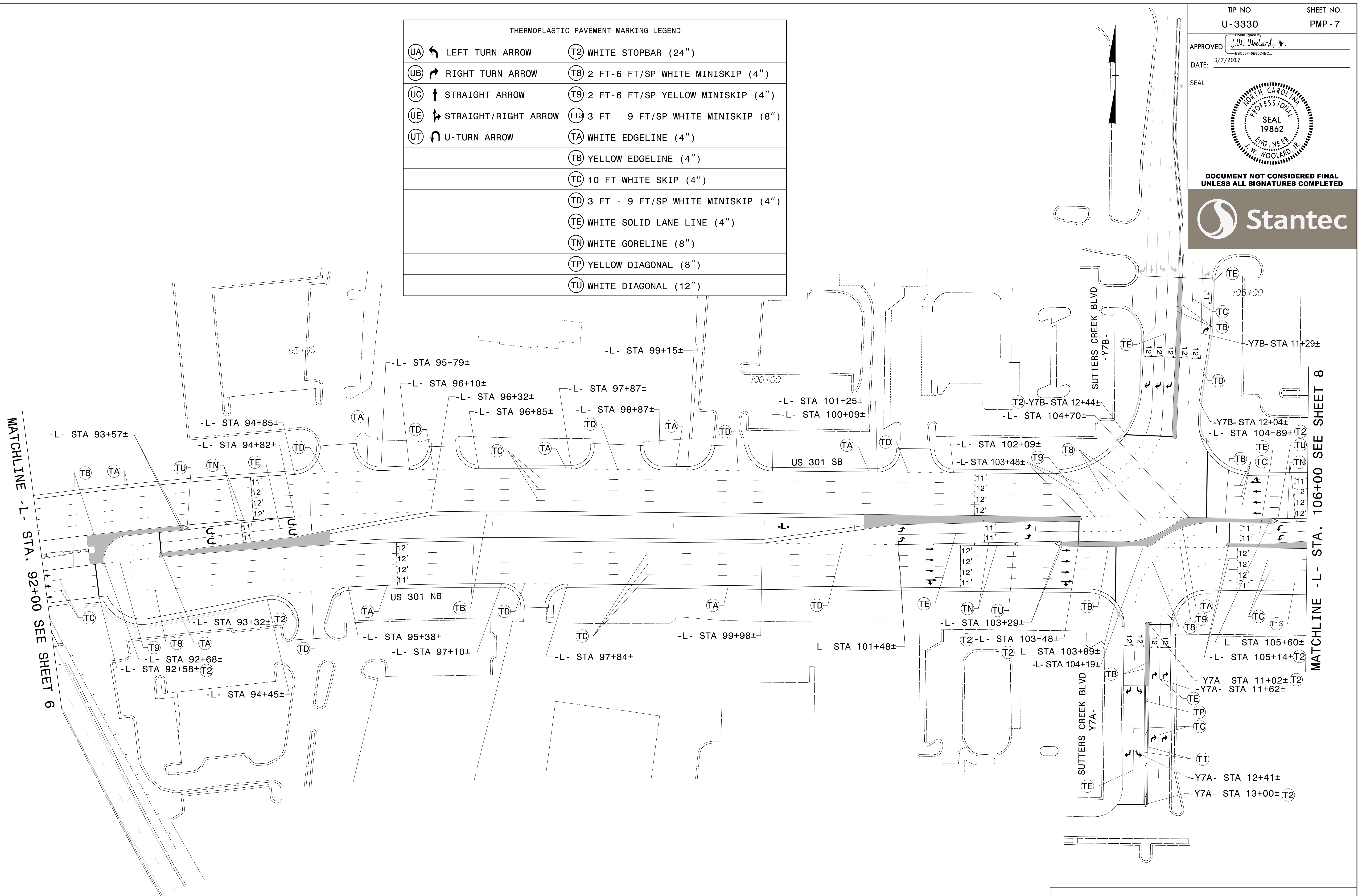
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TIP NO. <b>U-3330</b>	SHEET NO. <b>PMP - 7</b>
APPROVED: <i>J.W. Woolard, Jr.</i> <small>BBC024883CAEC</small>	
DATE: 3/7/2017	
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THERMOPLASTIC PAVEMENT MARKING LEGEND	
(UA) LEFT TURN ARROW	(T2) WHITE STOPBAR (24")
(UB) RIGHT TURN ARROW	(T8) 2 FT-6 FT/SP WHITE MINISKIP (4")
(UC) STRAIGHT ARROW	(T9) 2 FT-6 FT/SP YELLOW MINISKIP (4")
(UE) STRAIGHT/RIGHT ARROW	(T13) 3 FT - 9 FT/SP WHITE MINISKIP (8")
(UT) U-TURN ARROW	(TA) WHITE EDGELINE (4")
	(TB) YELLOW EDGELINE (4")
	(TC) 10 FT WHITE SKIP (4")
	(TD) 3 FT - 9 FT/SP WHITE MINISKIP (4")
	(TE) WHITE SOLID LANE LINE (4")
	(TN) WHITE GORELINE (8")
	(TP) YELLOW DIAGONAL (8")
	(TU) WHITE DIAGONAL (12")







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**PAVEMENT MARKING DETAIL**

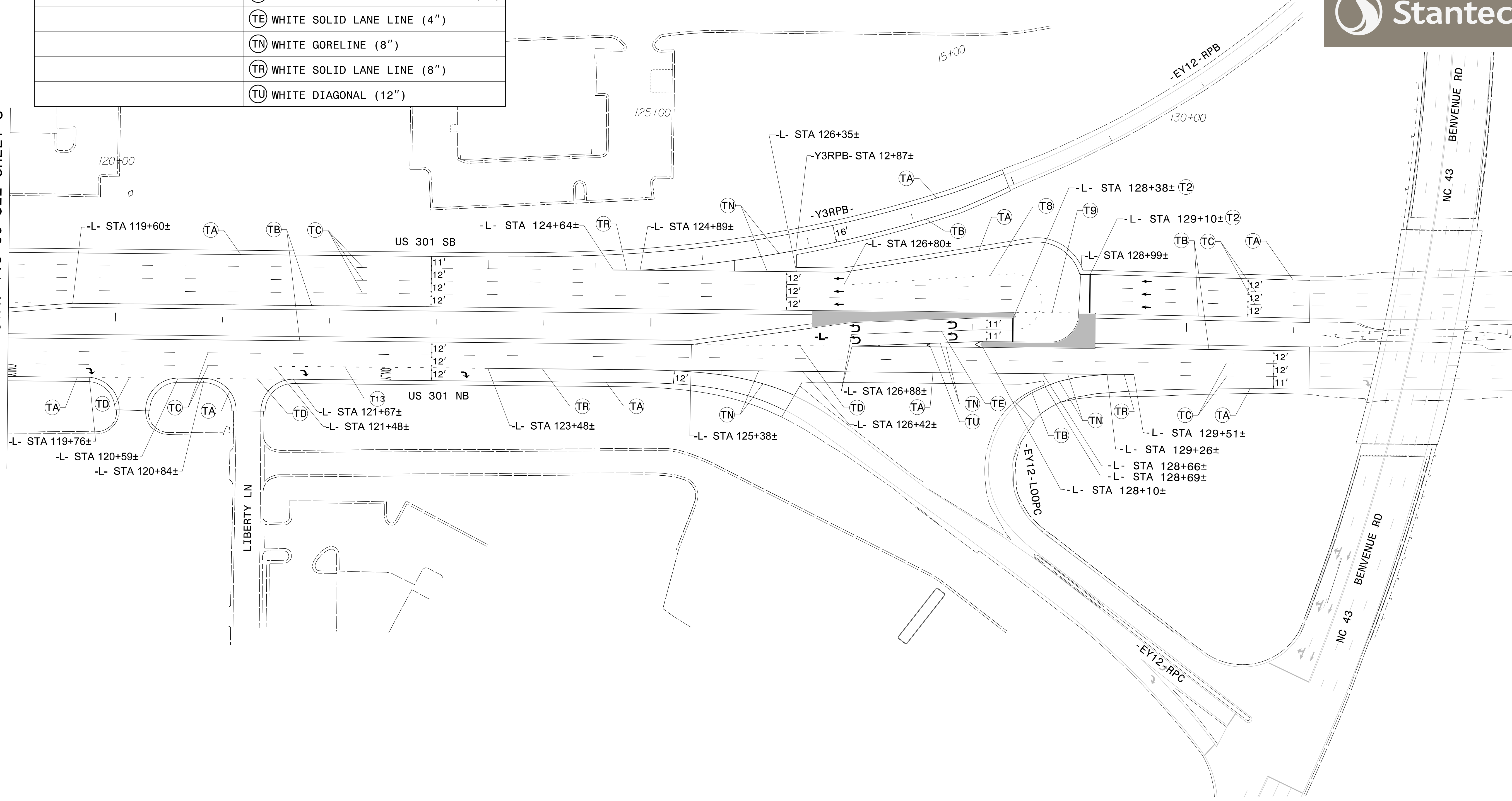




TIP NO. <b>U-3330</b>	SHEET NO. <b>PMP-9</b>
APPROVED: <i>J.W. Woolard, Jr.</i> <small>BB02074883CAEC</small>	
DATE: 3/7/2017	
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THERMOPLASTIC PAVEMENT MARKING LEGEND	
(UB)  RIGHT TURN ARROW	(T2) WHITE STOPBAR (24")
(UC)  STRAIGHT ARROW	(T8) 2 FT-6 FT/SP WHITE MINISKIP (4")
(UI) ONLY ALPHANUMERIC CHARACTERS	(T9) 2 FT-6 FT/SP YELLOW MINISKIP (4")
(UT)  U-TURN ARROW	(T13) 3 FT - 9 FT/SP WHITE MINISKIP (8")
	(TA) WHITE EDGELINE (4")
	(TB) YELLOW EDGELINE (4")
	(TC) 10 FT WHITE SKIP (4")
	(TD) 3 FT - 9 FT/SP WHITE MINISKIP (4")
	(TE) WHITE SOLID LANE LINE (4")
	(TN) WHITE GORELINE (8")
	(TR) WHITE SOLID LANE LINE (8")
	(TU) WHITE DIAGONAL (12")

MATCHLINE -L- STA. 119+00 SEE SHEET 8



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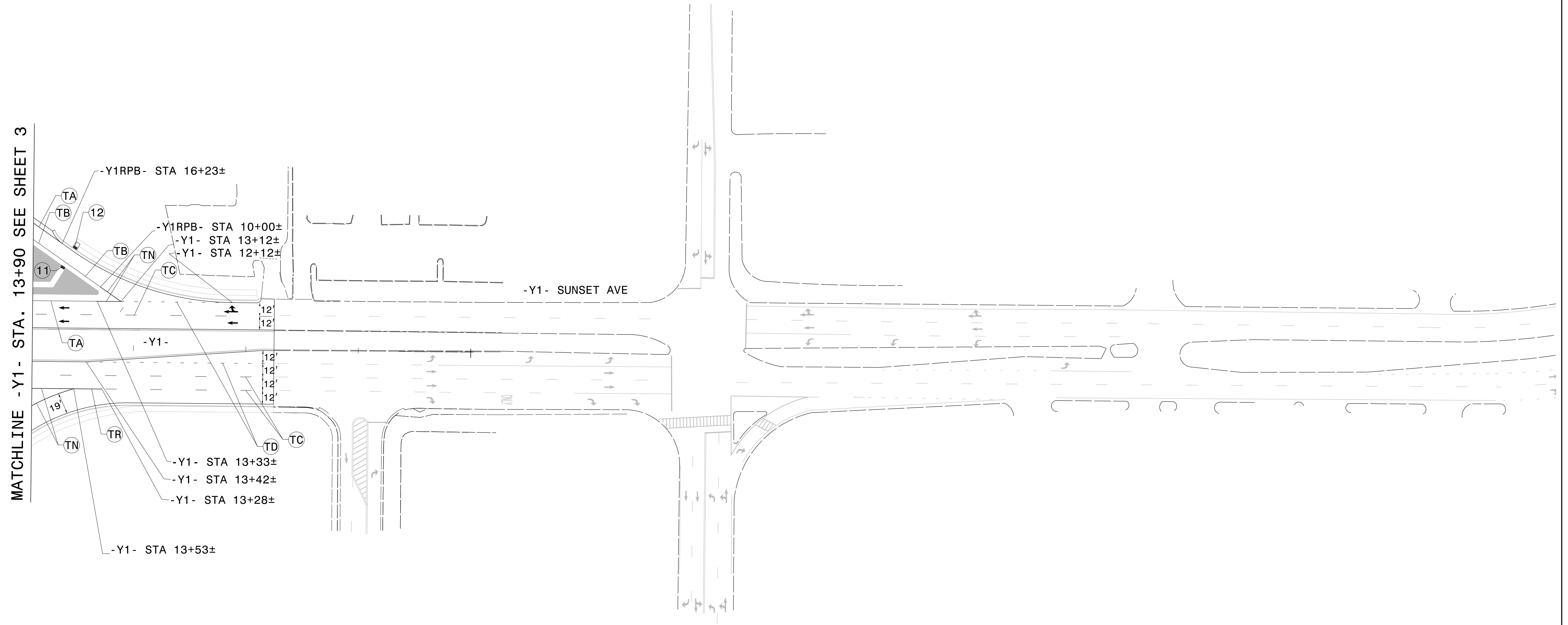
PAVEMENT MARKING DETAIL



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Approved by: <i>J.W. Woolard, Jr.</i> BBOC0248E85C4ECC...	
DATE: 3/7/2017	
<b>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</b>	

THERMOPLASTIC PAVEMENT MARKING LEGEND	
(UB) ↗ RIGHT TURN ARROW	(TA) WHITE EDGELINE (4")
(UC) ↑ STRAIGHT ARROW	(TB) YELLOW EDGELINE (4")
(UE) ↘ STRAIGHT/RIGHT ARROW	(TC) 10 FT WHITE SKIP (4")
	(TD) 3 FT - 9 FT/SP WHITE MINISKIP (4")
	(TN) WHITE GORELINE (8")

	CURB RAMP STATIONS	CURB RAMP TYPE
(11)	-Y1- STA 13+63±	TYPE 3
(12)	-Y1- STA 13+53±	TYPE 3



3/7/2017  
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PAVEMENT MARKING DETAIL