

**This electronic collection of documents is provided  
for the convenience of the user  
and is Not a Certified Document –**

**The documents contained herein were originally issued  
and sealed by the individuals whose names and license  
numbers appear on each page, on the dates appearing  
with their signature on that page.**

**This file or an individual page  
shall not be considered a certified document.**


**T.I.P.: U-2581BA**

**CONTRACT:**

**STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLAN  
GUILFORD COUNTY**

**LOCATION: US 70 (BURLINGTON ROAD) FROM WEST OF  
SR 3045 (MT. HOPE CHURCH ROAD)/  
SR 2819 (MCLEANSVILLE ROAD) TO JUST EAST OF  
SR 2826 (BIRCH CREEK ROAD)**

<b>TIP NO.</b> U-2581BA	<b>SHEET NO.</b> PMP - 1
<b>APPROVED:</b> _____	
<b>DATE:</b> 9/6/2019	
	
<b>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</b>	

**INDEX**

SHEET NO.	DESCRIPTION
PMP-1	PAVEMENT MARKING PLAN TITLE AND SCHEDULE SHEET
PMP-4-10	PAVEMENT MARKING DETAIL

**ROADWAY STANDARD DRAWING**

THE FOLLOWING ROADWAY STANDARDS AS APPEAR IN "ROADWAY STANDARD DRAWINGS" - N.C. DEPARTMENT OF TRANSPORTATION - RALEIGH, N.C., DATED JANUARY 2018 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
1205.06	PAVEMENT MARKINGS - LANE DROPS
1205.07	PAVEMENT MARKINGS - PEDESTRIAN CROSSWALKS
1205.08	PAVEMENT MARKINGS - SYMBOLS AND WORD MESSAGES
1205.09	PAVEMENT MARKINGS - PAINTED ISLANDS
1205.13	PAVEMENT MARKINGS - LANE REDUCTIONS
1250.01	RAISED PAVEMENT MARKERS - INSTALLATION SPACING
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

**PAVEMENT MARKING SCHEDULE**

SYMBOL	ITEM DESCRIPTION	TOTAL QUANTITY
T2	THERMOPLASTIC (24", 90 MILS.) WHITE STOPBAR	840 FT
T8	THERMOPLASTIC (4", 90 MILS.) 2 FT. - 6 FT./SP WHITE MINISKIP	296 FT
TA	WHITE EDGELINE	2313 FT
TC	10 FT. WHITE SKIP	13684 FT
TD	3 FT. - 9 FT./SP WHITE MINISKIP	3961 FT
TE	WHITE SOLID LANE LINE	3883 FT
TF	10 FT. YELLOW SKIP	8080 FT
TH	YELLOW SINGLE CENTER	8080 FT
TI	YELLOW DOUBLE CENTER	6857 FT
TO	THERMOPLASTIC (8", 90 MILS.) WHITE DIAGONAL	300 FT
TP	YELLOW DIAGONAL	402 FT
UA	THERMOPLASTIC PAVEMENT MARKING SYMBOLS (90 MILS.) LEFT TURN ARROW	50 EA
UB	RIGHT TURN ARROW	20 EA
UC	STRAIGHT ARROW	36 EA
UE	COMBO. RIGHT/STRAIGHT ARROW	6 EA
UP	MERGE ARROW	3 EA
MF	PAVEMENT MARKERS SNOWPLOWABLE	555 EA

**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-	THERMOPLASTIC	SNOWPLOWABLE
-Y1-	THERMOPLASTIC	SNOWPLOWABLE
-Y2-	THERMOPLASTIC	SNOWPLOWABLE
-Y3-	THERMOPLASTIC	SNOWPLOWABLE
-Y4-	THERMOPLASTIC	SNOWPLOWABLE
-Y5-	THERMOPLASTIC	SNOWPLOWABLE
-Y6-	THERMOPLASTIC	SNOWPLOWABLE
-Y7-	THERMOPLASTIC	SNOWPLOWABLE

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. IF HEATED-IN-PLACE IS USED, IT SHALL BE PAID FOR USING THE EXTRUDED THERMOPLASTIC PAY ITEM.

**PLAN PREPARED BY: VHB Engineering NC, P.C.**

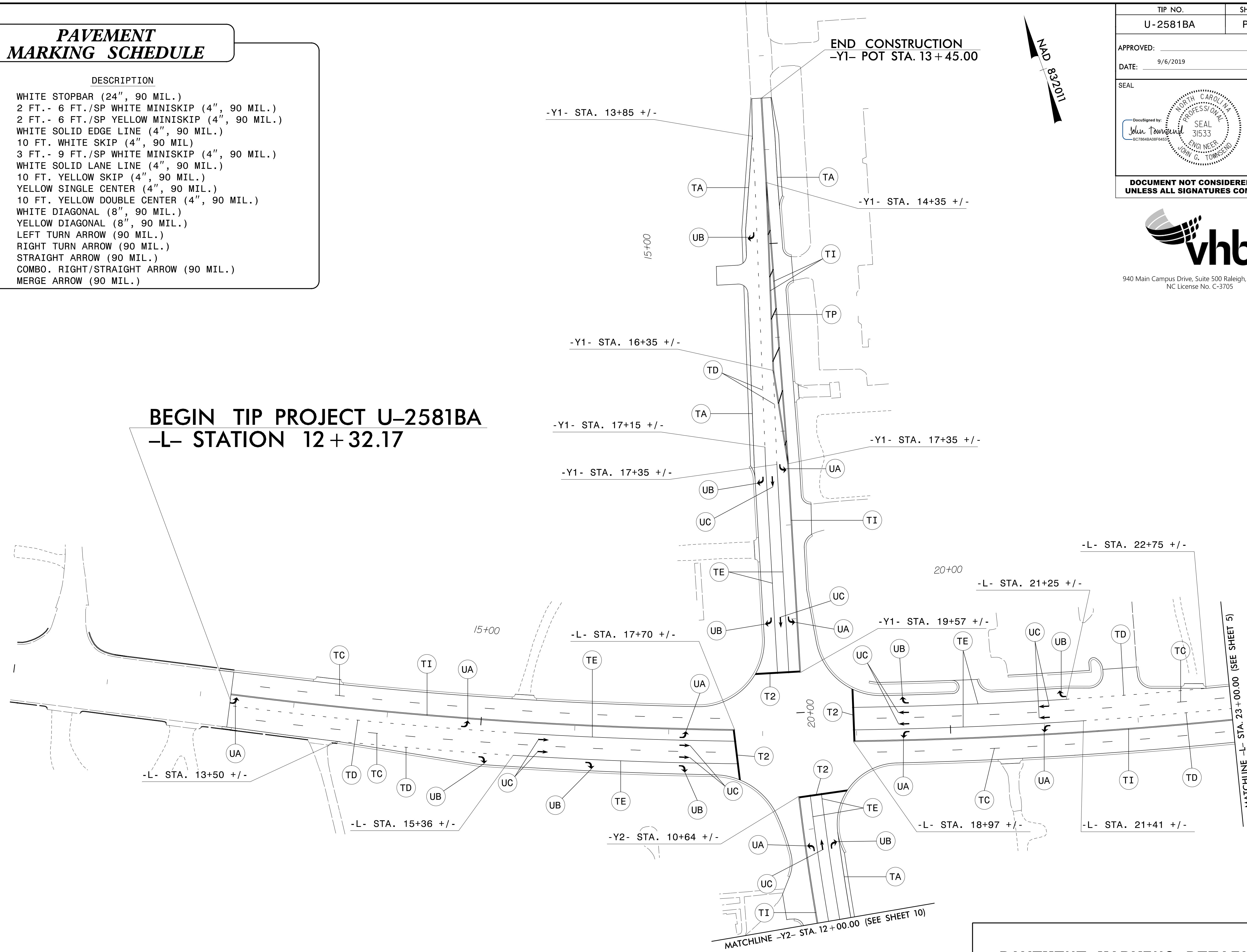
**John G. Townsend, PE** PROJECT ENGINEER



### PAVEMENT MARKING SCHEDULE

SYMBOL	DESCRIPTION
T2	WHITE STOPBAR (24", 90 MIL.)
T8	2 FT.- 6 FT./SP WHITE MINISKIP (4", 90 MIL.)
T9	2 FT.- 6 FT./SP YELLOW MINISKIP (4", 90 MIL.)
TA	WHITE SOLID EDGE LINE (4", 90 MIL.)
TC	10 FT. WHITE SKIP (4", 90 MIL)
TD	3 FT.- 9 FT./SP WHITE MINISKIP (4", 90 MIL.)
TE	WHITE SOLID LANE LINE (4", 90 MIL.)
TF	10 FT. YELLOW SKIP (4", 90 MIL.)
TH	YELLOW SINGLE CENTER (4", 90 MIL.)
TI	10 FT. YELLOW DOUBLE CENTER (4", 90 MIL.)
TO	WHITE DIAGONAL (8", 90 MIL.)
TP	YELLOW DIAGONAL (8", 90 MIL.)
UA	LEFT TURN ARROW (90 MIL.)
UB	RIGHT TURN ARROW (90 MIL.)
UC	STRAIGHT ARROW (90 MIL.)
UE	COMBO. RIGHT/STRAIGHT ARROW (90 MIL.)
UP	MERGE ARROW (90 MIL.)

**BEGIN TIP PROJECT U-2581BA  
-L- STATION 12+32.17**



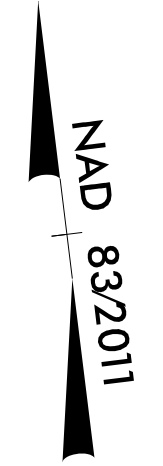
TIP NO. U-2581BA	SHEET NO. PMP-4
APPROVED: _____	
DATE: 9/6/2019	
SEAL	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



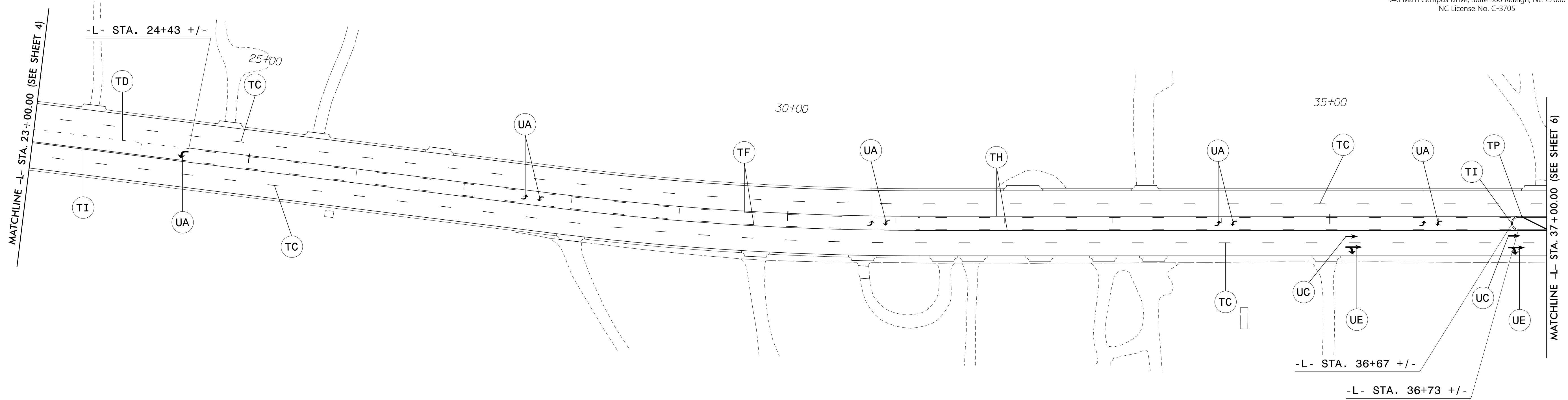
### PAVEMENT MARKING DETAIL

9/3/2019  
R:\Projects\pavement Marking\U2581BA\_pm\_psh04.dgn  
User:jtowntend

TIP NO. U-2581BA	SHEET NO. PMP-5
APPROVED: _____	
DATE: 9/6/2019	
SEAL	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



940 Main Campus Drive, Suite 500 Raleigh, NC 27606  
NC License No. C-3705



**PAVEMENT MARKING SCHEDULE**

SYMBOL	DESCRIPTION
T2	WHITE STOPBAR (24", 90 MIL.)
T8	2 FT.- 6 FT./SP WHITE MINISKIP (4", 90 MIL.)
T9	2 FT.- 6 FT./SP YELLOW MINISKIP (4", 90 MIL.)
TA	WHITE SOLID EDGE LINE (4", 90 MIL.)
TC	10 FT. WHITE SKIP (4", 90 MIL)
TD	3 FT.- 9 FT./SP WHITE MINISKIP (4", 90 MIL.)
TE	WHITE SOLID LANE LINE (4", 90 MIL.)
TF	10 FT. YELLOW SKIP (4", 90 MIL.)
TH	YELLOW SINGLE CENTER (4", 90 MIL.)
TI	10 FT. YELLOW DOUBLE CENTER (4", 90 MIL.)
TO	WHITE DIAGONAL (8", 90 MIL.)
TP	YELLOW DIAGONAL (8", 90 MIL.)
UA	LEFT TURN ARROW (90 MIL.)
UB	RIGHT TURN ARROW (90 MIL.)
UC	STRAIGHT ARROW (90 MIL.)
UE	COMBO. RIGHT/STRAIGHT ARROW (90 MIL.)
UP	MERGE ARROW (90 MIL.)

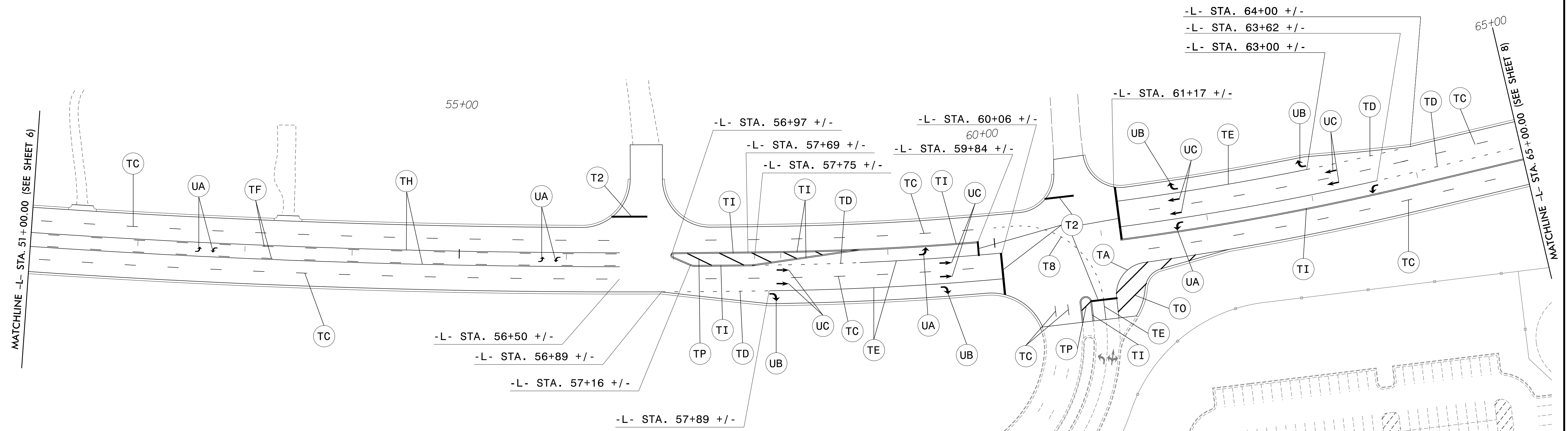
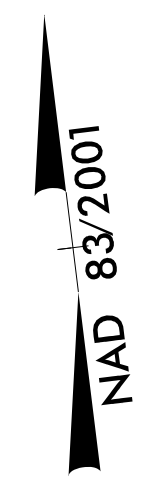
**PAVEMENT MARKING DETAIL**

7/8/2019  
 R:\Projects\pavement Marking\U2581BA\_pm\_psh05.dgn  
 User: J. Townsend





940 Main Campus Drive, Suite 500 Raleigh, NC 27606  
 NC License No. C-3705



**PAVEMENT MARKING SCHEDULE**

SYMBOL	DESCRIPTION
T2	WHITE STOPBAR (24", 90 MIL.)
T8	2 FT.- 6 FT./SP WHITE MINISKIP (4", 90 MIL.)
T9	2 FT.- 6 FT./SP YELLOW MINISKIP (4", 90 MIL.)
TA	WHITE SOLID EDGE LINE (4", 90 MIL.)
TC	10 FT. WHITE SKIP (4", 90 MIL.)
TD	3 FT.- 9 FT./SP WHITE MINISKIP (4", 90 MIL.)
TE	WHITE SOLID LANE LINE (4", 90 MIL.)
TF	10 FT. YELLOW SKIP (4", 90 MIL.)
TH	YELLOW SINGLE CENTER (4", 90 MIL.)
TI	10 FT. YELLOW DOUBLE CENTER (4", 90 MIL.)
TO	WHITE DIAGONAL (8", 90 MIL.)
TP	YELLOW DIAGONAL (8", 90 MIL.)
UA	LEFT TURN ARROW (90 MIL.)
UB	RIGHT TURN ARROW (90 MIL.)
UC	STRAIGHT ARROW (90 MIL.)
UE	COMBO. RIGHT/STRAIGHT ARROW (90 MIL.)
UP	MERGE ARROW (90 MIL.)

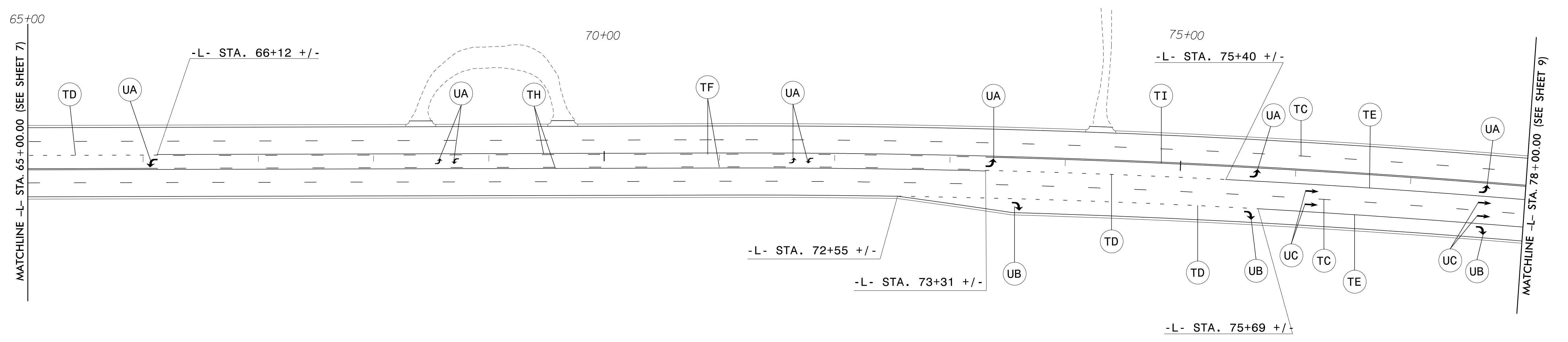
**PAVEMENT MARKING DETAIL**

9/3/2019  
 R:\Projects\pavement Marking\U2581BA\_pm\_psh07.dgn  
 User: jtownsend

TIP NO. U-2581BA	SHEET NO. PMP-8
APPROVED: _____	
DATE: 9/6/2019	
SEAL	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



940 Main Campus Drive, Suite 500 Raleigh, NC 27606  
NC License No. C-3705



**PAVEMENT MARKING SCHEDULE**

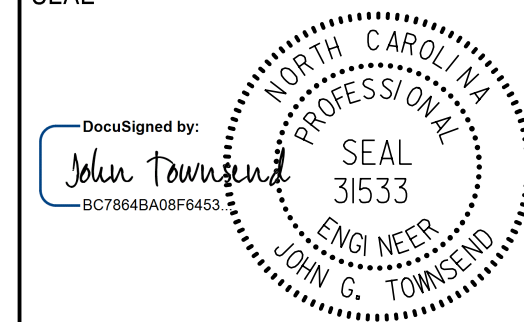
SYMBOL	DESCRIPTION
T2	WHITE STOPBAR (24", 90 MIL.)
T8	2 FT.- 6 FT./SP WHITE MINISKIP (4", 90 MIL.)
T9	2 FT.- 6 FT./SP YELLOW MINISKIP (4", 90 MIL.)
TA	WHITE SOLID EDGE LINE (4", 90 MIL.)
TC	10 FT. WHITE SKIP (4", 90 MIL.)
TD	3 FT.- 9 FT./SP WHITE MINISKIP (4", 90 MIL.)
TE	WHITE SOLID LANE LINE (4", 90 MIL.)
TF	10 FT. YELLOW SKIP (4", 90 MIL.)
TH	YELLOW SINGLE CENTER (4", 90 MIL.)
TI	10 FT. YELLOW DOUBLE CENTER (4", 90 MIL.)
TO	WHITE DIAGONAL (8", 90 MIL.)
TP	YELLOW DIAGONAL (8", 90 MIL.)
UA	LEFT TURN ARROW (90 MIL.)
UB	RIGHT TURN ARROW (90 MIL.)
UC	STRAIGHT ARROW (90 MIL.)
UE	COMBO. RIGHT/STRAIGHT ARROW (90 MIL.)
UP	MERGE ARROW (90 MIL.)

**PAVEMENT MARKING DETAIL**

9/3/2019  
 R:\Projects\pavement Marking\U2581BA\_pm\_psh08.dgn  
 User: J.Townsend

APPROVED: \_\_\_\_\_  
DATE: 9/6/2019

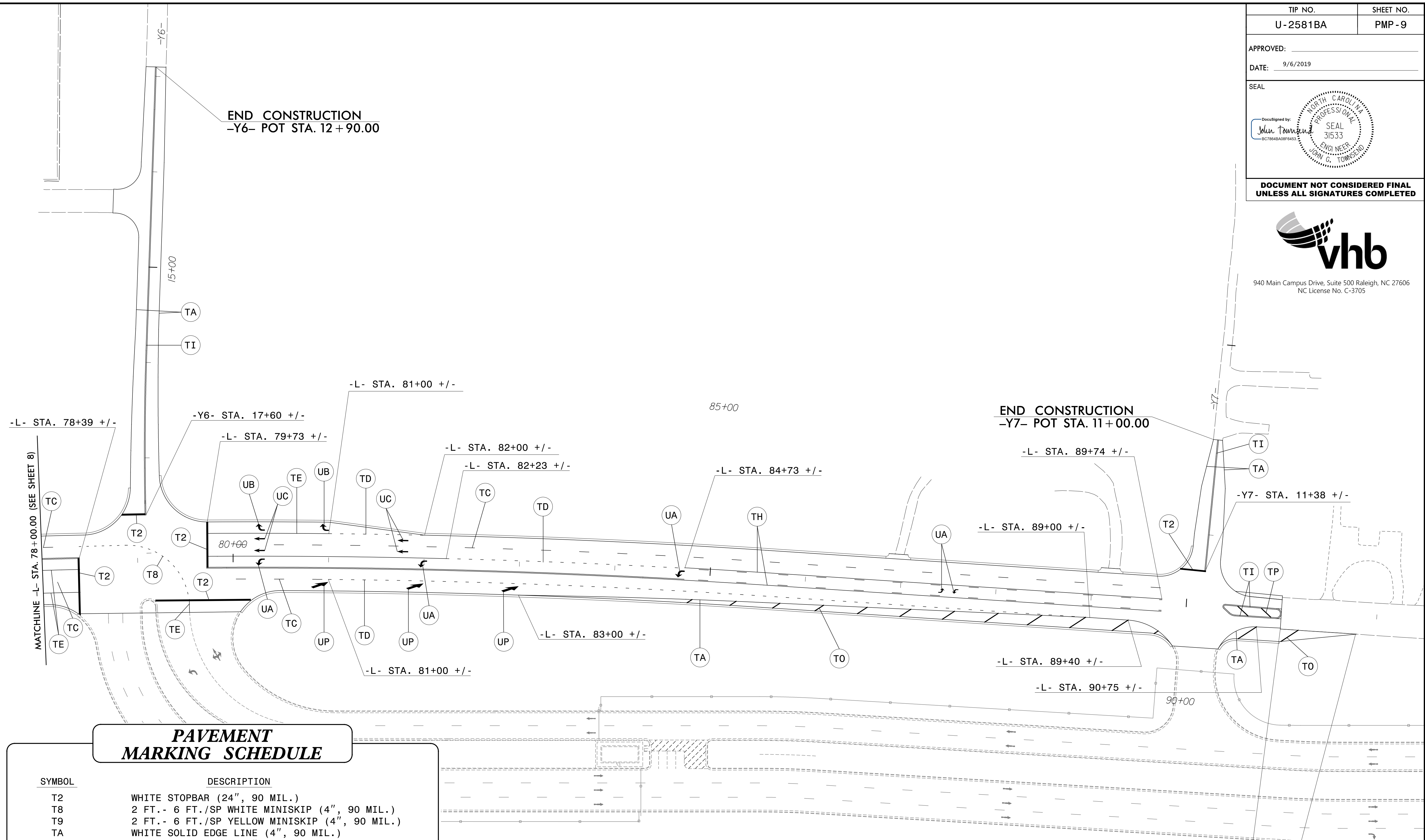
SEAL



**DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED**



940 Main Campus Drive, Suite 500 Raleigh, NC 27606  
NC License No. C-3705



**PAVEMENT MARKING SCHEDULE**

SYMBOL	DESCRIPTION
T2	WHITE STOPBAR (24", 90 MIL.)
T8	2 FT.- 6 FT./SP WHITE MINISKIP (4", 90 MIL.)
T9	2 FT.- 6 FT./SP YELLOW MINISKIP (4", 90 MIL.)
TA	WHITE SOLID EDGE LINE (4", 90 MIL.)
TC	10 FT. WHITE SKIP (4", 90 MIL.)
TD	3 FT.- 9 FT./SP WHITE MINISKIP (4", 90 MIL.)
TE	WHITE SOLID LANE LINE (4", 90 MIL.)
TF	10 FT. YELLOW SKIP (4", 90 MIL.)
TH	YELLOW SINGLE CENTER (4", 90 MIL.)
TI	10 FT. YELLOW DOUBLE CENTER (4", 90 MIL.)
TO	WHITE DIAGONAL (8", 90 MIL.)
TP	YELLOW DIAGONAL (8", 90 MIL.)
UA	LEFT TURN ARROW (90 MIL.)
UB	RIGHT TURN ARROW (90 MIL.)
UC	STRAIGHT ARROW (90 MIL.)
UE	COMBO. RIGHT/STRAIGHT ARROW (90 MIL.)
UP	MERGE ARROW (90 MIL.)

**END CONSTRUCTION**  
-L- STA. 91+00.00  
TIE TO EXIST. MARKINGS

**END CONSTRUCTION**  
-L- STA. 91+80.00  
TIE TO EXIST. MARKINGS

**PAVEMENT MARKING DETAIL**

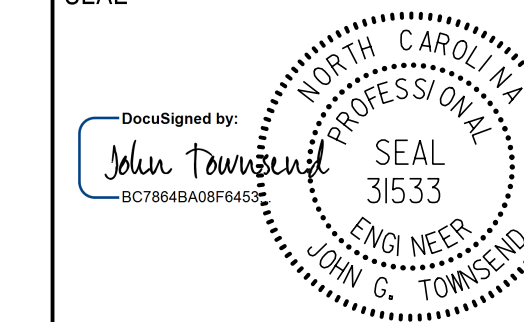
9/3/2019  
 R:\Projects\pavement Marking\U2581BA\_pm\_psh09.dgn  
 User:J.Townsend



APPROVED: \_\_\_\_\_

DATE: 9/6/2019

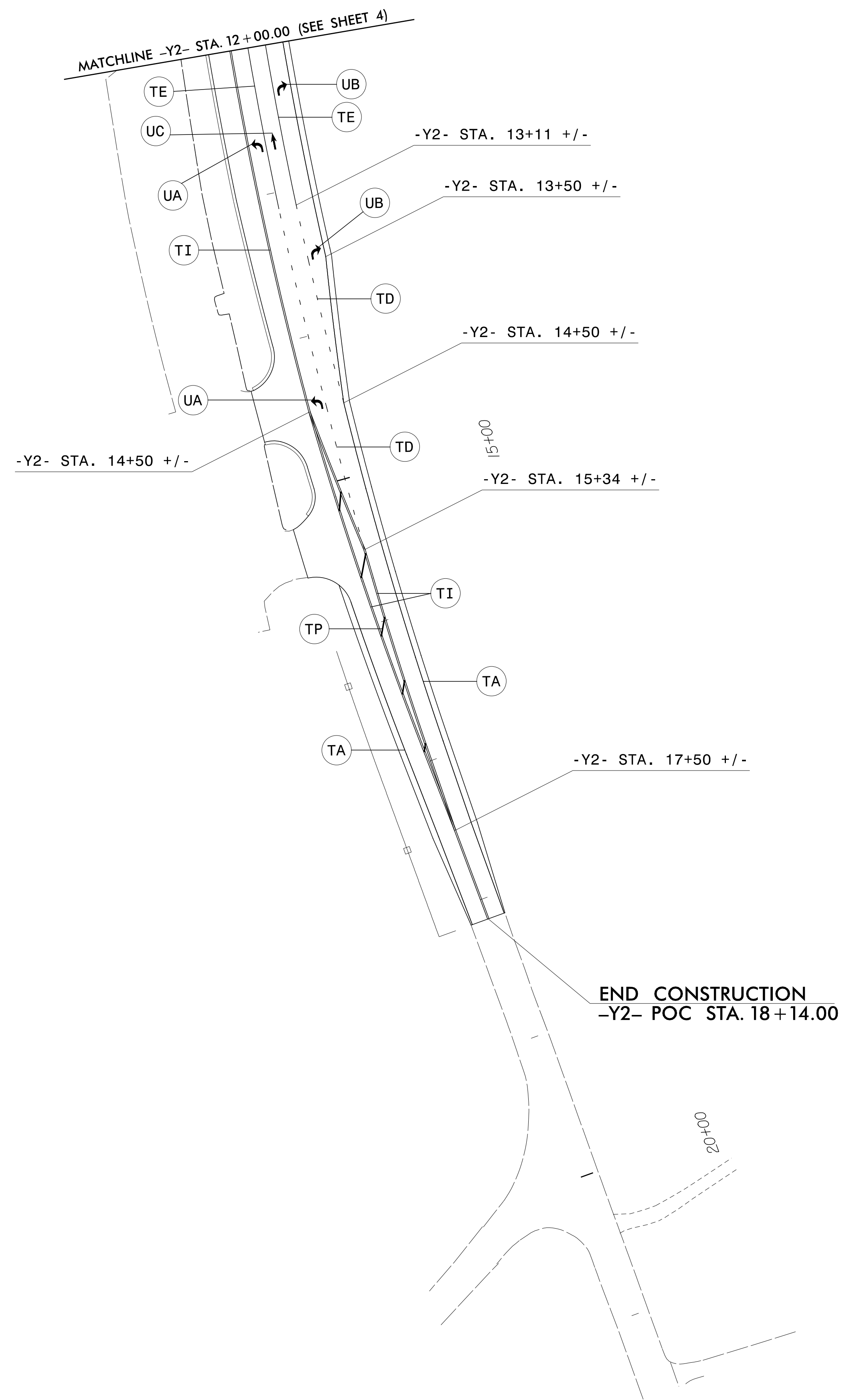
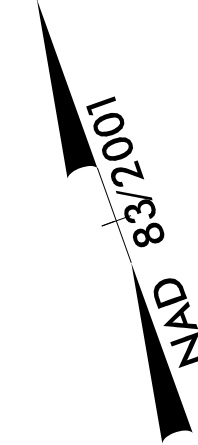
SEAL



**DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED**



940 Main Campus Drive, Suite 500 Raleigh, NC 27606  
NC License No. C-3705



**PAVEMENT MARKING SCHEDULE**

SYMBOL	DESCRIPTION
T2	WHITE STOPBAR (24", 90 MIL.)
T8	2 FT.- 6 FT./SP WHITE MINISKIP (4", 90 MIL.)
T9	2 FT.- 6 FT./SP YELLOW MINISKIP (4", 90 MIL.)
TA	WHITE SOLID EDGE LINE (4", 90 MIL.)
TC	10 FT. WHITE SKIP (4", 90 MIL)
TD	3 FT.- 9 FT./SP WHITE MINISKIP (4", 90 MIL.)
TE	WHITE SOLID LANE LINE (4", 90 MIL.)
TF	10 FT. YELLOW SKIP (4", 90 MIL.)
TH	YELLOW SINGLE CENTER (4", 90 MIL.)
TI	10 FT. YELLOW DOUBLE CENTER (4", 90 MIL.)
TO	WHITE DIAGONAL (8", 90 MIL.)
TP	YELLOW DIAGONAL (8", 90 MIL.)
UA	LEFT TURN ARROW (90 MIL.)
UB	RIGHT TURN ARROW (90 MIL.)
UC	STRAIGHT ARROW (90 MIL.)
UE	COMBO. RIGHT/STRAIGHT ARROW (90 MIL.)
UP	MERGE ARROW (90 MIL.)

**PAVEMENT MARKING DETAIL**

7/18/2019  
 R:\Projects\pavement Marking\U2581BA\_pm\_psh10.dgn  
 User:jtowntend