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TIP NO. U-2579C	SHEET NO. PMP-1
APPROVED: <i>Andrew D. Klinksiek</i> DATE: 7/3/2017	
	
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**STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLAN
FORSYTH COUNTY**

T.I.P.: U-2579C

INDEX

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PMP-3 THRU PMP-22	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
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1205.08	PAVEMENT MARKINGS - SYMBOLS AND WORD MESSAGES
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1264.01	OBJECT MARKERS - TYPES
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1267.02	FLEXIBLE DELINEATORS - SPACING TABLES
1267.03	FLEXIBLE DELINEATORS - INTERCHANGE PLACEMENT

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- & RAMPS | POLYUREA W/ HIGHLY REFLECTIVE ELEMENTS (EXCEPT AS NOTED ON PLANS) | SNOWPLOWABLE |
| ALL Y-LINES | POLYUREA W/ HIGHLY REFLECTIVE ELEMENTS | MATCH EXISTING |
| BRIDGE DECKS | POLYUREA W/ HIGHLY REFLECTIVE ELEMENTS | RAISED |
- B) PLACE TWO APPLICATIONS OF PAINT PAVEMENT MARKINGS ON THE FINAL WEARING SURFACE. PLACE THE SECOND APPLICATION OF PAINT UPON SUFFICIENT DRYING TIME OF THE FIRST.
- C) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.
- D) REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS AND MARKERS.
- E) PASSING ZONES WILL BE DETERMINED IN THE FIELD AND MUST BE APPROVED BY THE ENGINEER.
- F) STOP BAR LOCATION AT NON-SIGNALIZED INTERSECTIONS MAY BE ADJUSTED AS DIRECTED BY THE ENGINEER.
- G) REMOVE ALL RESIDUE AND SURFACE LAITANCE BY ACCEPTABLE METHODS ON CONCRETE BRIDGE DECKS PRIOR TO PLACING POLYUREA PAVEMENT MARKING MATERIAL.
- H) 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.

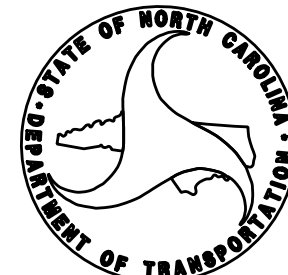
FLEXIBLE DELINEATOR NOTE

INSTALL FLEXIBLE DELINEATORS ALONG THE LEFT SIDE OF LOOPS AND RIGHT SIDE OF RAMPS. ORIENT DELINEATORS FOR MAXIMUM VISIBILITY FOR APPROACHING VEHICLES. REFER TO ROADWAY STANDARD DRAWINGS FOR SPACING AND PLACEMENT.

CONTRACT:

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

<i>Kelvin Jordan</i>	SIGNING & DELINEATION REGIONAL ENGINEER
<i>Ashley Kidd</i>	SIGNING & DELINEATION PROJECT DESIGN ENGINEER



PLAN PREPARED BY: HNTB NORTH CAROLINA, P.C.

<i>A.D. Klinksiek, PE, PTOE</i>	PROJECT ENGINEER
<i>J.A. Phillips</i>	DESIGN TECHNICIAN

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FINAL PAVEMENT MARKING SCHEDULE

MATERIAL SYMBOL DESCRIPTION

PAVEMENT MARKING

POLYUREA (4") - WITH HIGHLY REFLECTIVE ELEMENTS

V8	2 FT - 6 FT WHITE MINISKIP
V9	2 FT - 6 FT YELLOW MINISKIP
VA	WHITE EDGELINE
VB	YELLOW EDGELINE
VD	3 FT - 9 FT WHITE MINISKIP
VE	WHITE SOLID LANE LINE
VI	DOUBLE YELLOW CENTERLINE

POLYUREA (6") - WITH HIGHLY REFLECTIVE ELEMENTS

V11	2 FT - 6FT WHITE MINISKIP
V12	2 FT - 6FT YELLOW MINISKIP
V16	DOUBLE YELLOW CENTERLINE
V6	WHITE EDGELINE
V7	YELLOW EDGELINE
VJ	10 FT WHITE SKIP
VK	3 FT - 9 FT WHITE MINISKIP
VL	WHITE SOLID LANE LINE

POLYUREA (12") - WITH HIGHLY REFLECTIVE ELEMENTS

VS	WHITE GORE LINE
VT	WHITE SOLID LANE LINE - WIDE

THERMOPLASTIC (12", 90 MILS)

TV	YELLOW DIAGONAL
----	-----------------

THERMOPLASTIC (16", 120 MILS)

T1	WHITE LINE, RR X
----	------------------

THERMOPLASTIC (24", 120 MILS)

T2	WHITE STOP BAR
----	----------------

PAINT (6")

P6	WHITE EDGELINE
P7	YELLOW EDGELINE
PK	3 FT- 9 FT WHITE MINISKIP

PAINT (12")

PV	YELLOW DIAGONAL
----	-----------------

THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)

UA	LEFT TURN ARROW
UB	RIGHT TURN ARROW
UC	STRAIGHT ARROW
UP	MERGE ARROW
UQ	RAMP ARROW SYMBOL

PAINT PAVEMENT MARKING SYMBOL

QP	MERGE ARROW
----	-------------

THERMOPLASTIC PAVEMENT MARKING CHARACTER (120 MILS)

UI ONLY

PERMANENT RAISED PAVEMENT MARKERS (NOT SHOWN ON PLAN)

MA YELLOW & YELLOW
MB CRYSTAL & RED

SNOWPLOWABLE RAISED PAVEMENT MARKERS (NOT SHOWN ON PLAN)

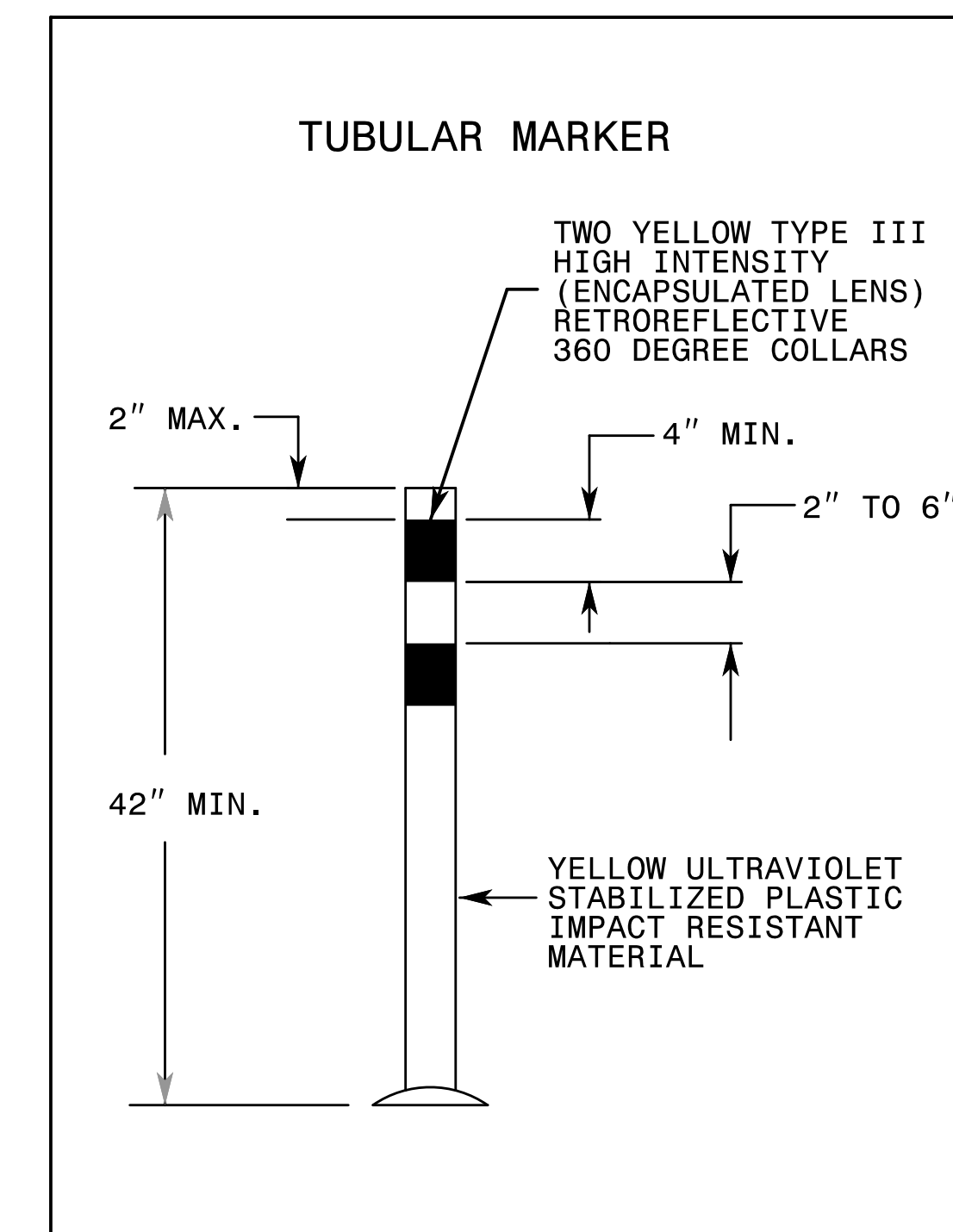
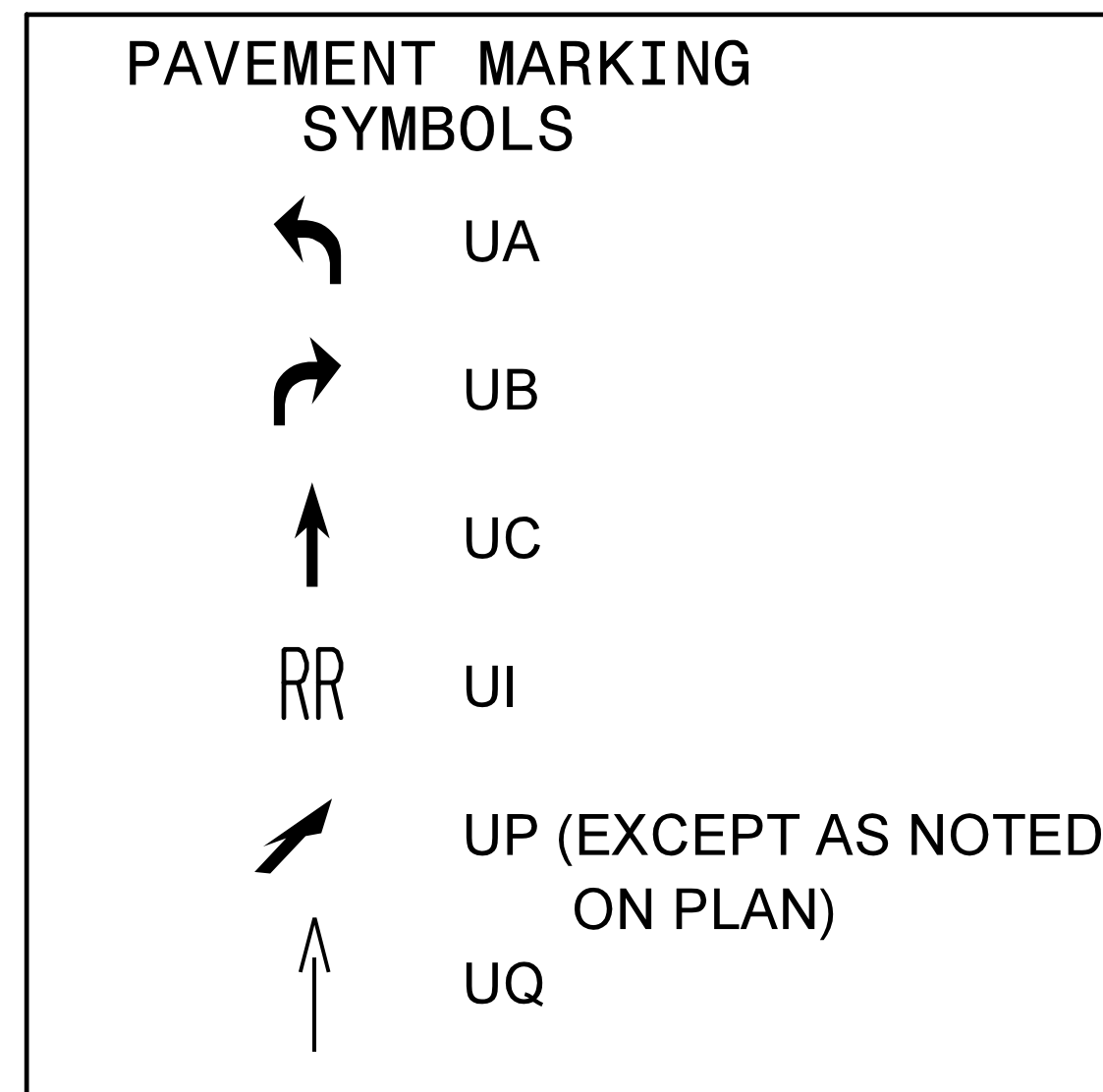
MF CRYSTAL & RED


LEGEND

GENERAL

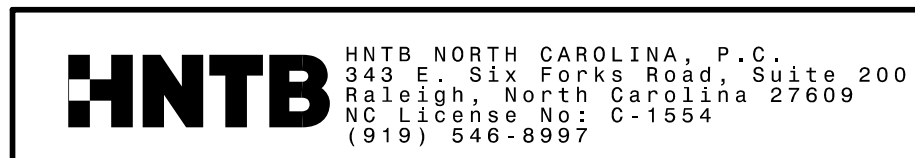
- ← DIRECTION OF TRAFFIC FLOW
- ↑ NORTH ARROW
- PROPOSED PVMT. - - - - - EXIST. PVMT.
- ⊙ TUBULAR MARKERS

PAVEMENT MARKINGS




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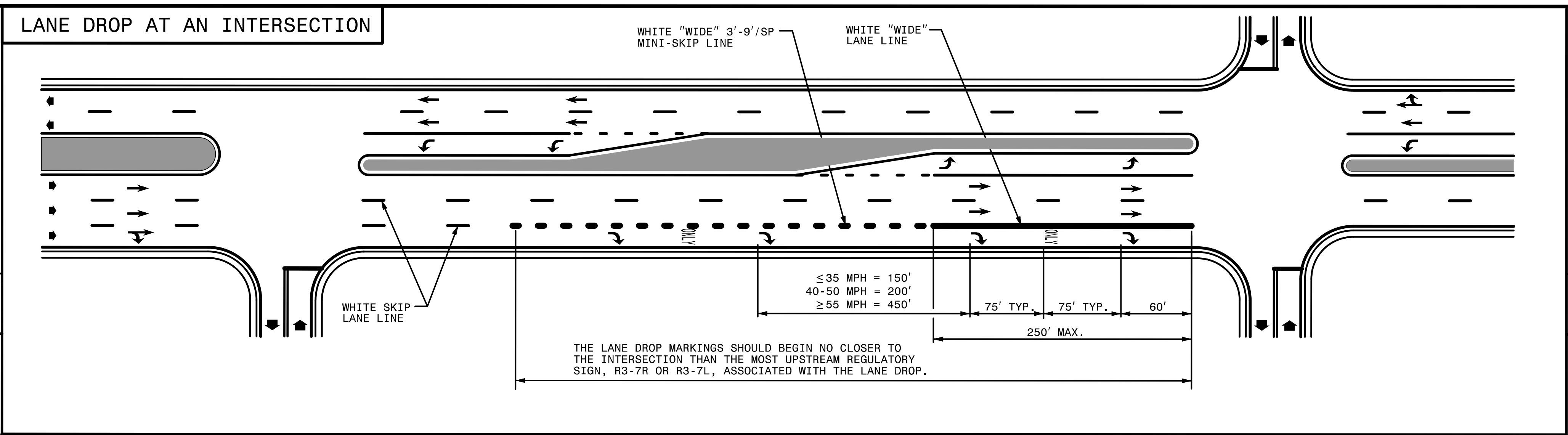
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PAVEMENT MARKING SCHEDULE

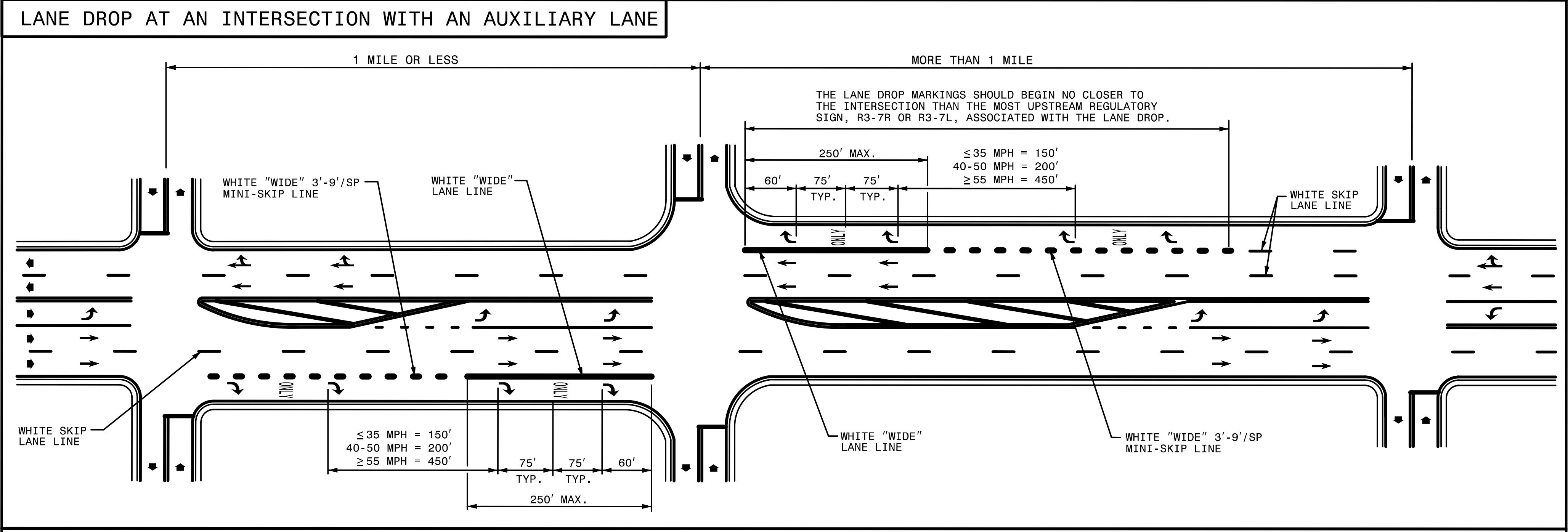
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DIVISION OF HIGHWAYS
RALEIGH, N.C.



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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**

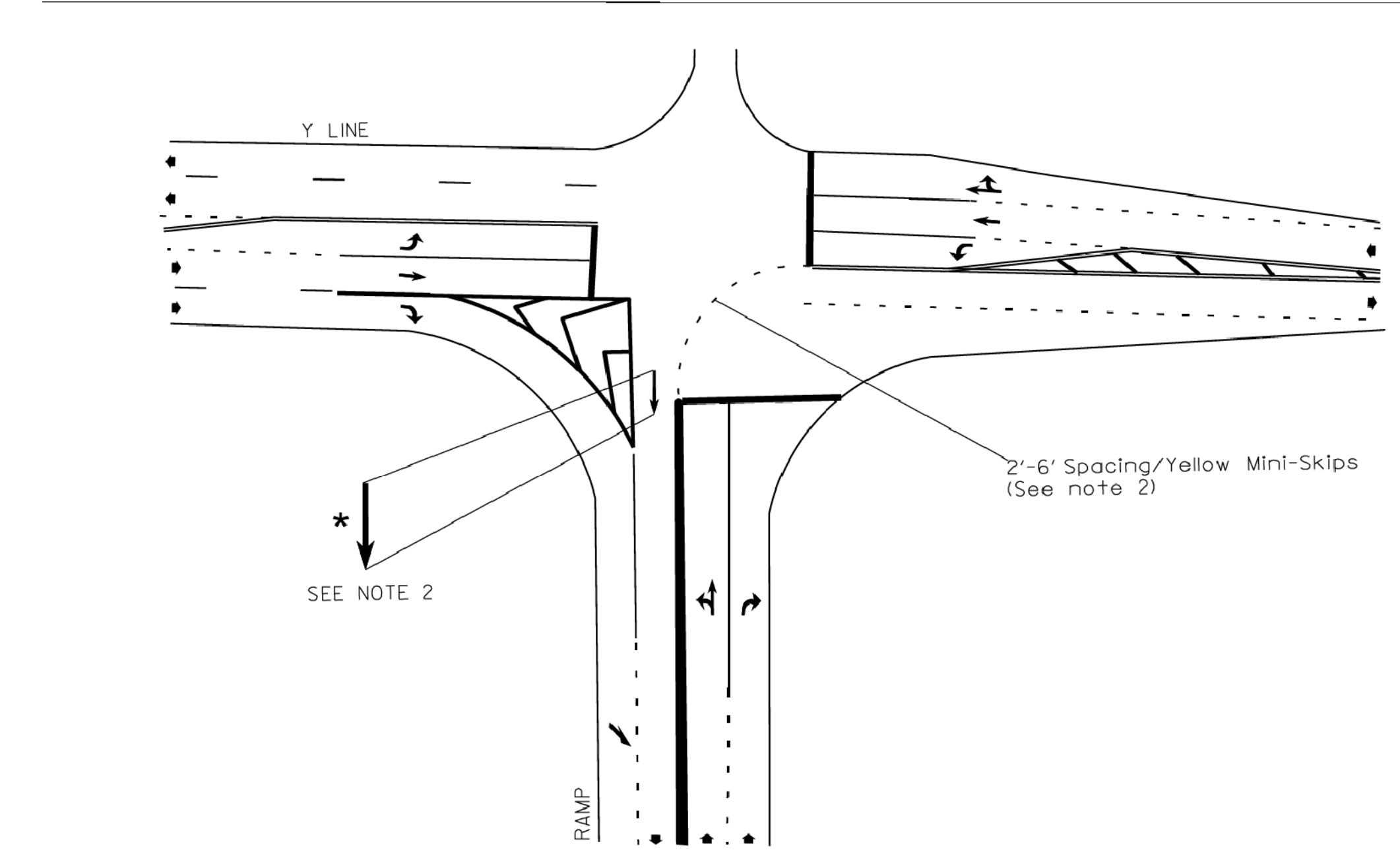
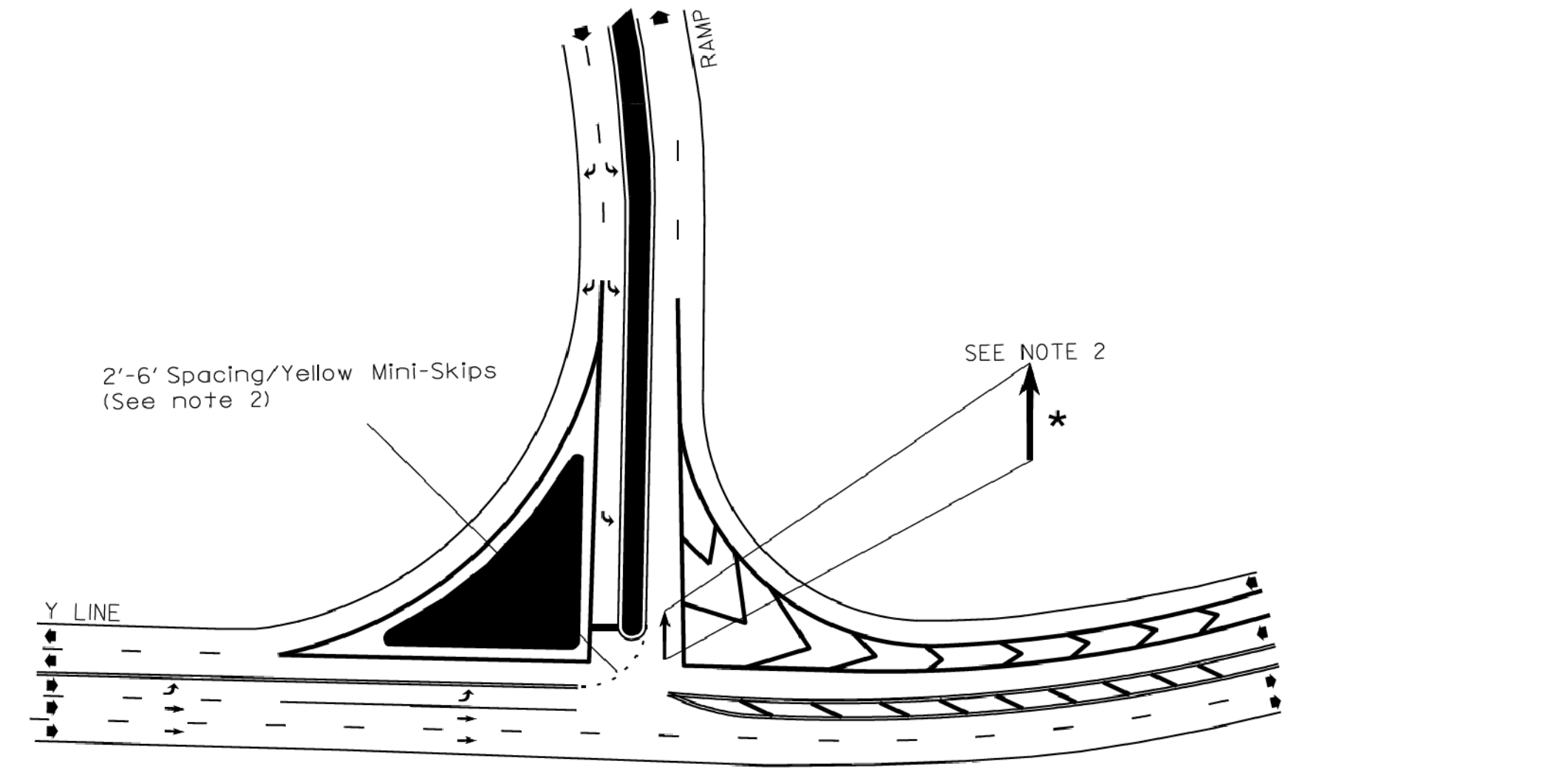
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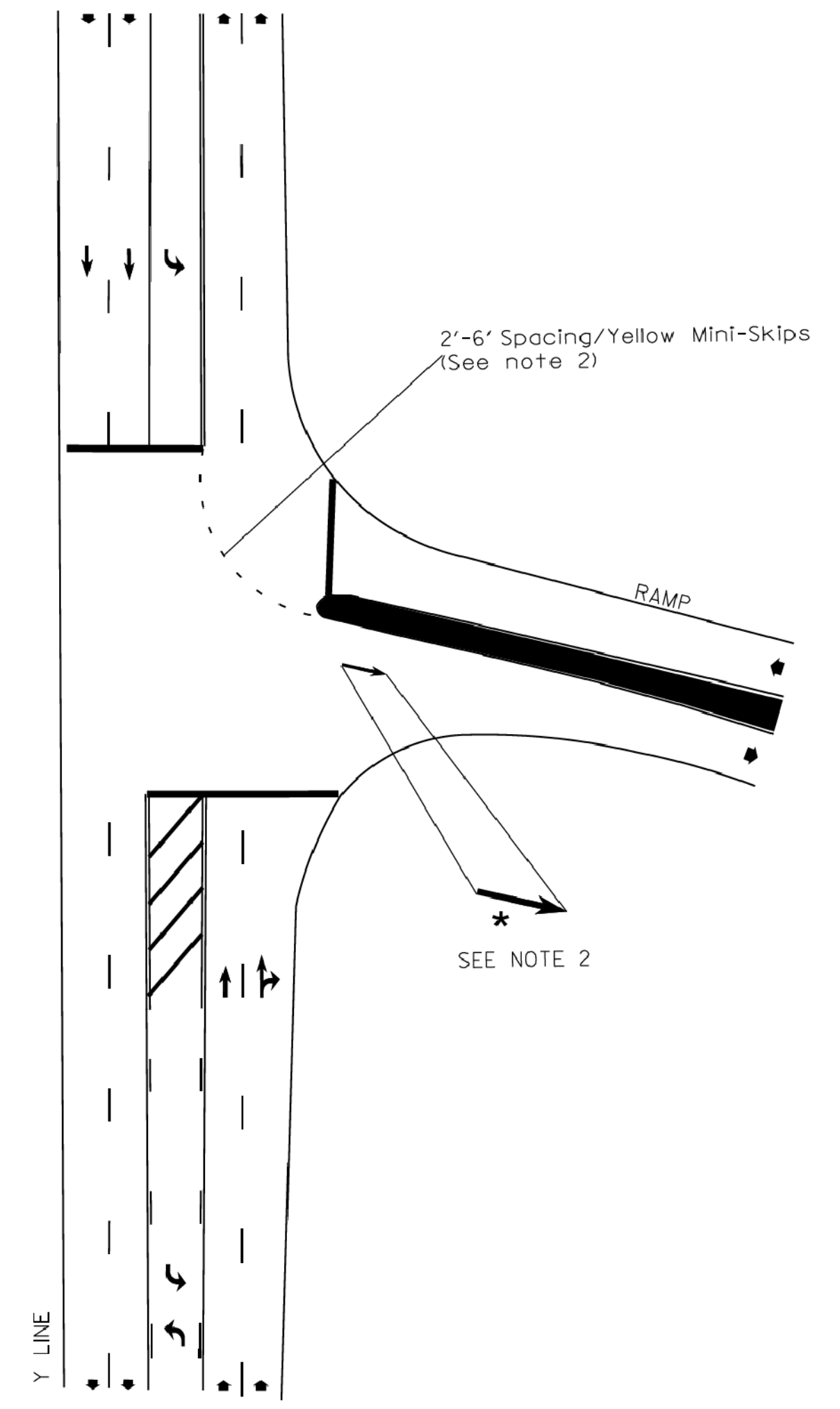
ENGLISH STANDARD DETAIL FOR
PAVEMENT MARKINGS
 SIDE-BY-SIDE ON/OFF RAMPS
 PAVEMENT MARKING LANE TREATMENT

SHEET 1 OF 1



NOTES:

- REFER TO THE 2012 NCDOT ROADWAY STANDARD DRAWINGS AND THE PAVEMENT MARKING PLANS FOR ADDITIONAL PAVEMENT MARKING GUIDANCE ON THIS SHEET.
- PROPOSED YELLOW MINI-SKIPS AND ELONGATED STRAIGHT ARROW SYMBOL MATERIALS SHALL BE PER THE PAVEMENT MARKING PLAN OR AS DIRECTED BY THE ENGINEER. ELONGATED STRAIGHT ARROW SHALL BE APPROXIMATELY 12' LONG AND SHALL BE PAID AS A SYMBOL.



LEGEND	
	DIRECTION OF TRAFFIC FLOW
	PAVEMENT MARKING SYMBOLS
	OPTIONAL

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ENGLISH STANDARD DETAIL FOR
PAVEMENT MARKINGS
 SIDE-BY-SIDE ON/OFF RAMP
 PAVEMENT MARKING LANE TREATMENT

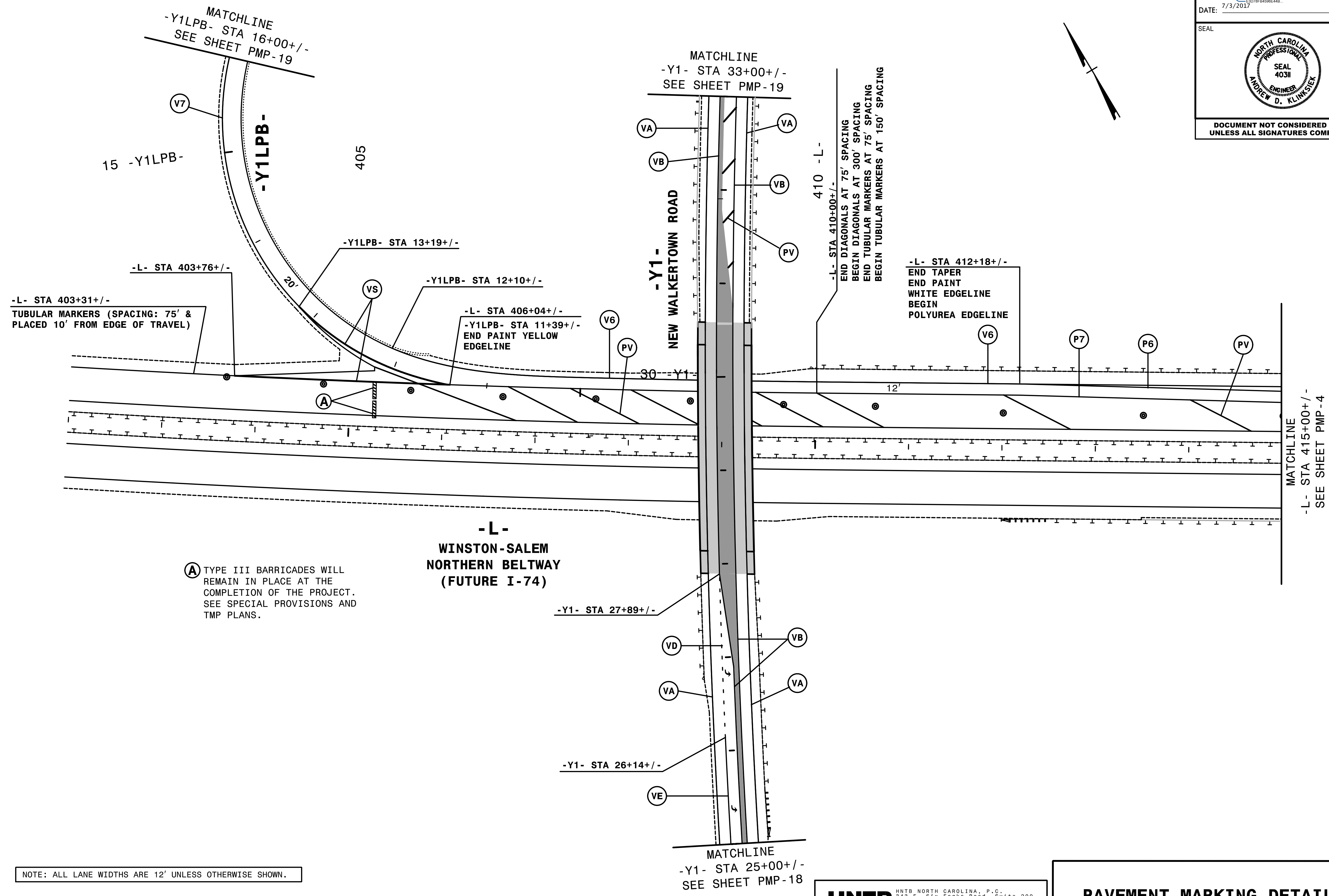
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PAVEMENT MARKINGS
SIDE BY SIDE ON/OFF RAMP
PAVEMENT MARKING LANE TREATMENT

TIP NO. U-2579C	SHEET NO. PMP-3
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NOTE: ALL LANE WIDTHS ARE 12' UNLESS OTHERWISE SHOWN.

A TYPE III BARRICADES WILL REMAIN IN PLACE AT THE COMPLETION OF THE PROJECT. SEE SPECIAL PROVISIONS AND TMP PLANS.

-L- WINSTON-SALEM NORTHERN BELTWAY (FUTURE I-74)

MATCHLINE -Y1- STA 33+00+/- SEE SHEET PMP-19


MATCHLINE -Y1- STA 25+00+/- SEE SHEET PMP-18

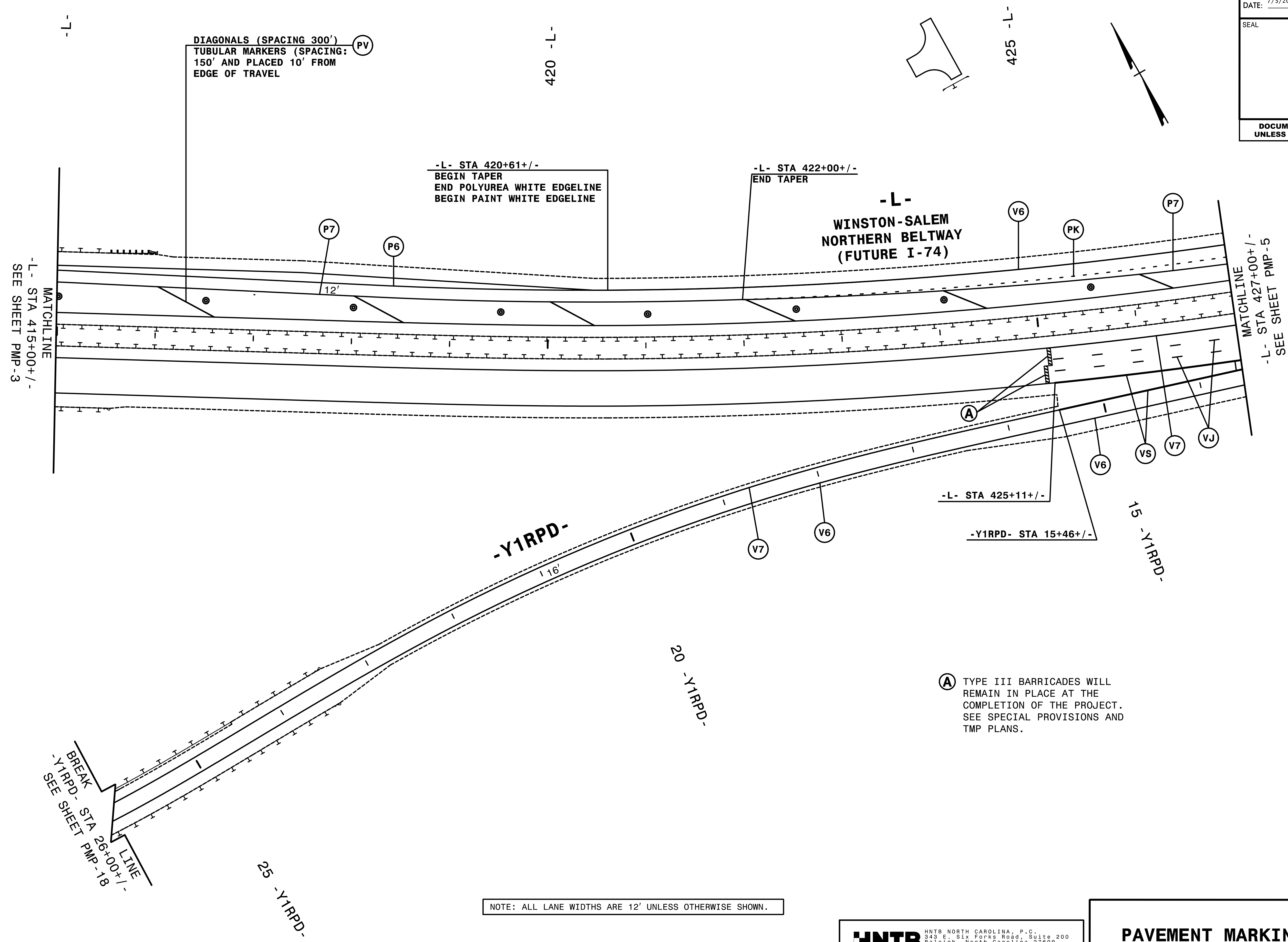
MATCHLINE -L- STA 415+00+/- SEE SHEET PMP-4

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PAVEMENT MARKING DETAIL

TIP NO. U-2579C	SHEET NO. PMP-4
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(A) TYPE III BARRICADES WILL REMAIN IN PLACE AT THE COMPLETION OF THE PROJECT. SEE SPECIAL PROVISIONS AND TMP PLANS.

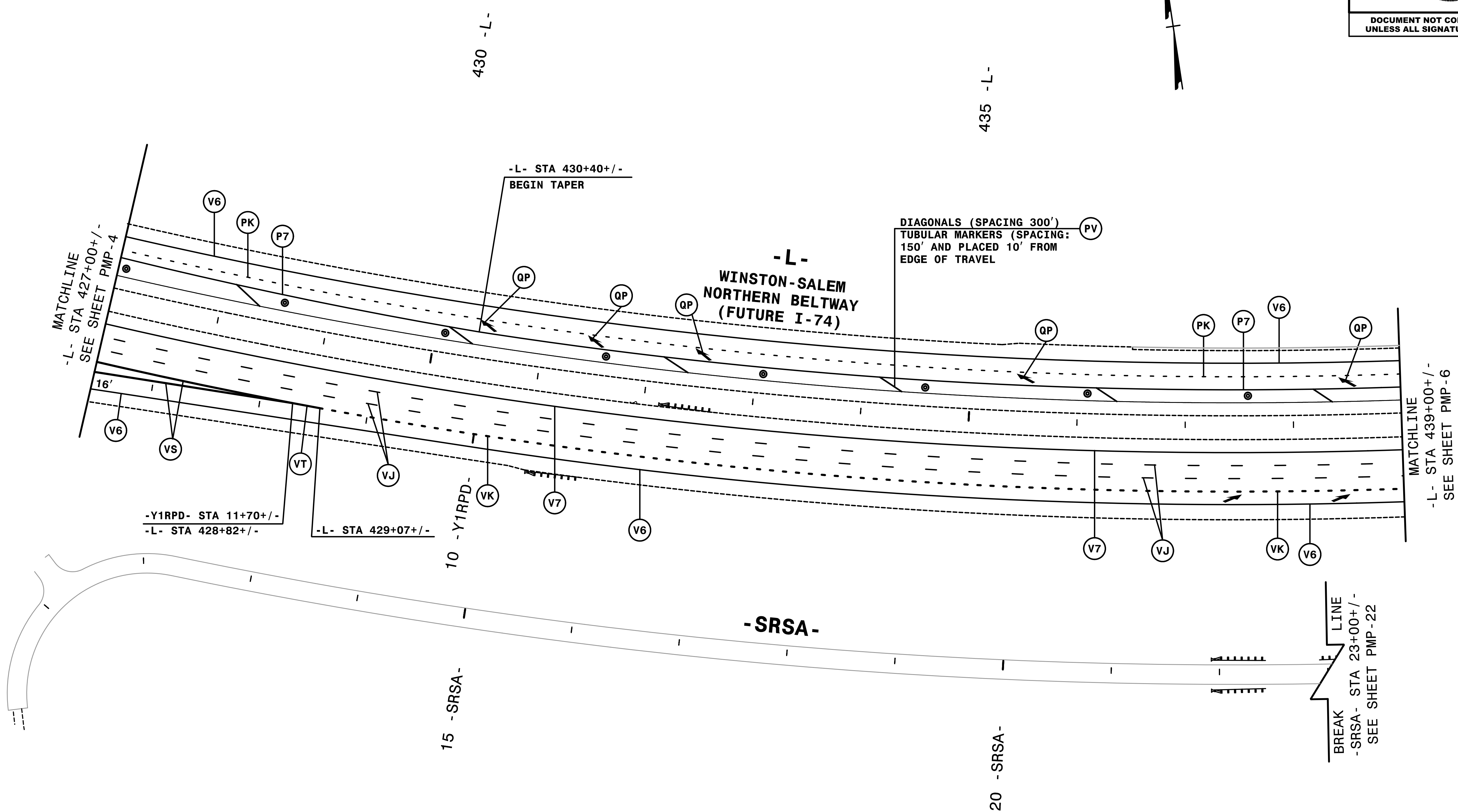
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TIP NO. U-2579C	SHEET NO. PMP-5
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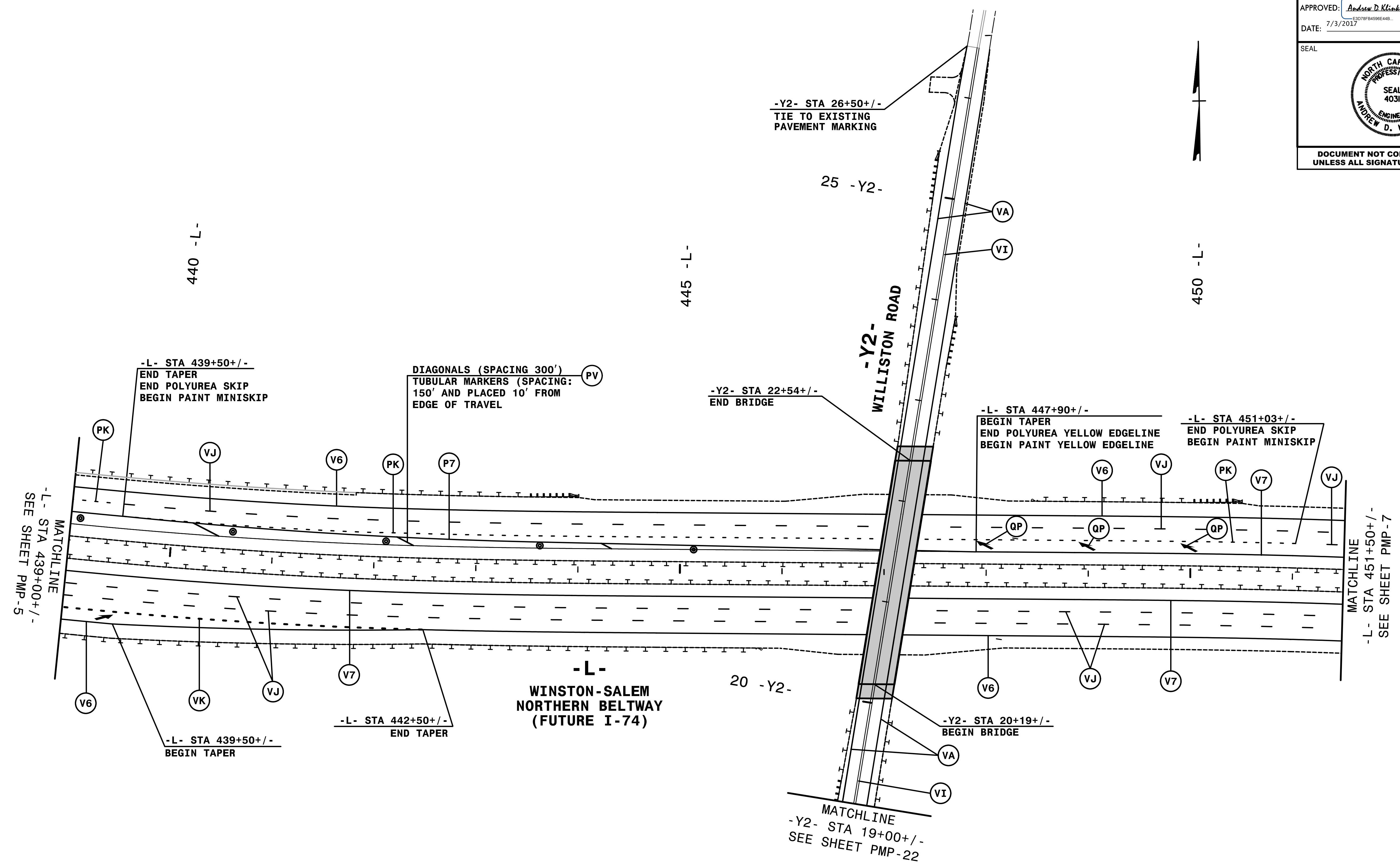
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PAVEMENT MARKING DETAIL

TIP NO. U-2579C	SHEET NO. PMP-6
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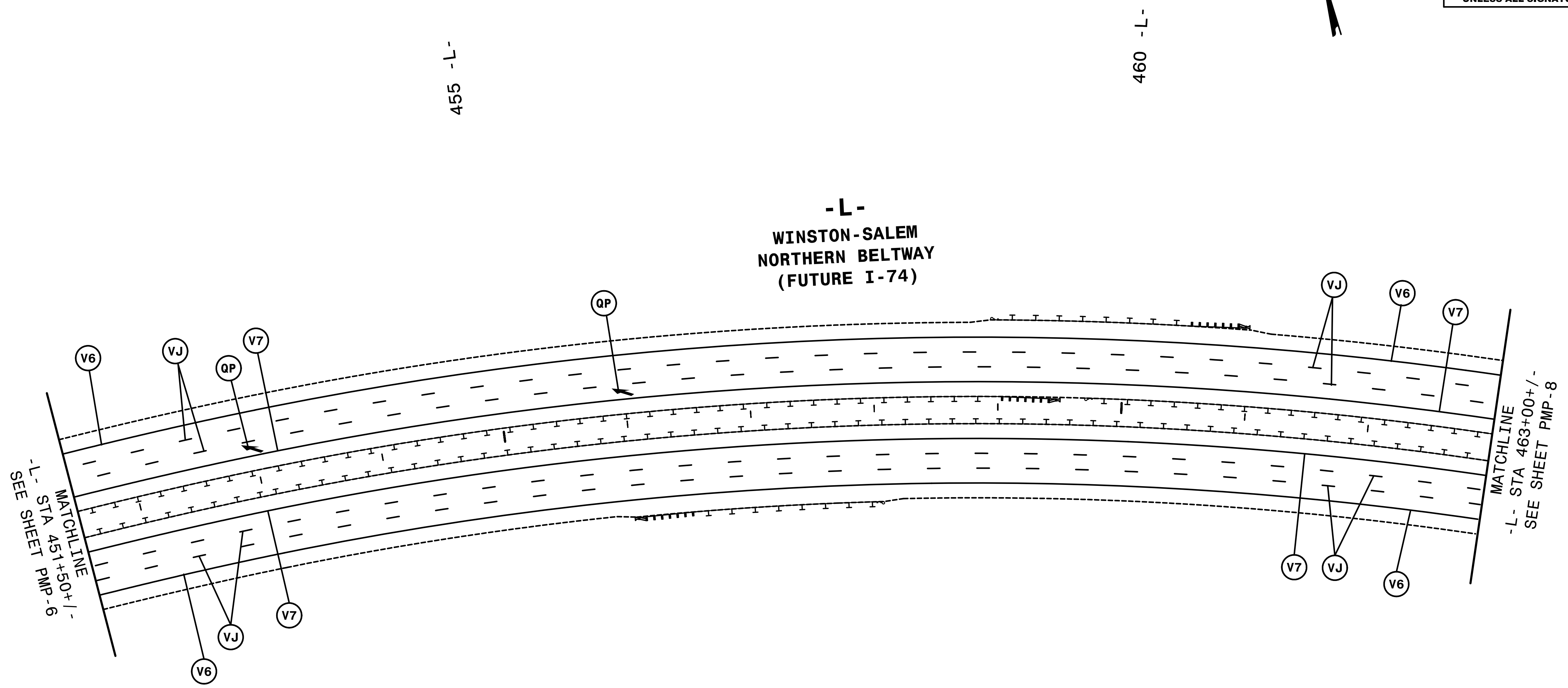
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TIP NO. U-2579C	SHEET NO. PMP-7
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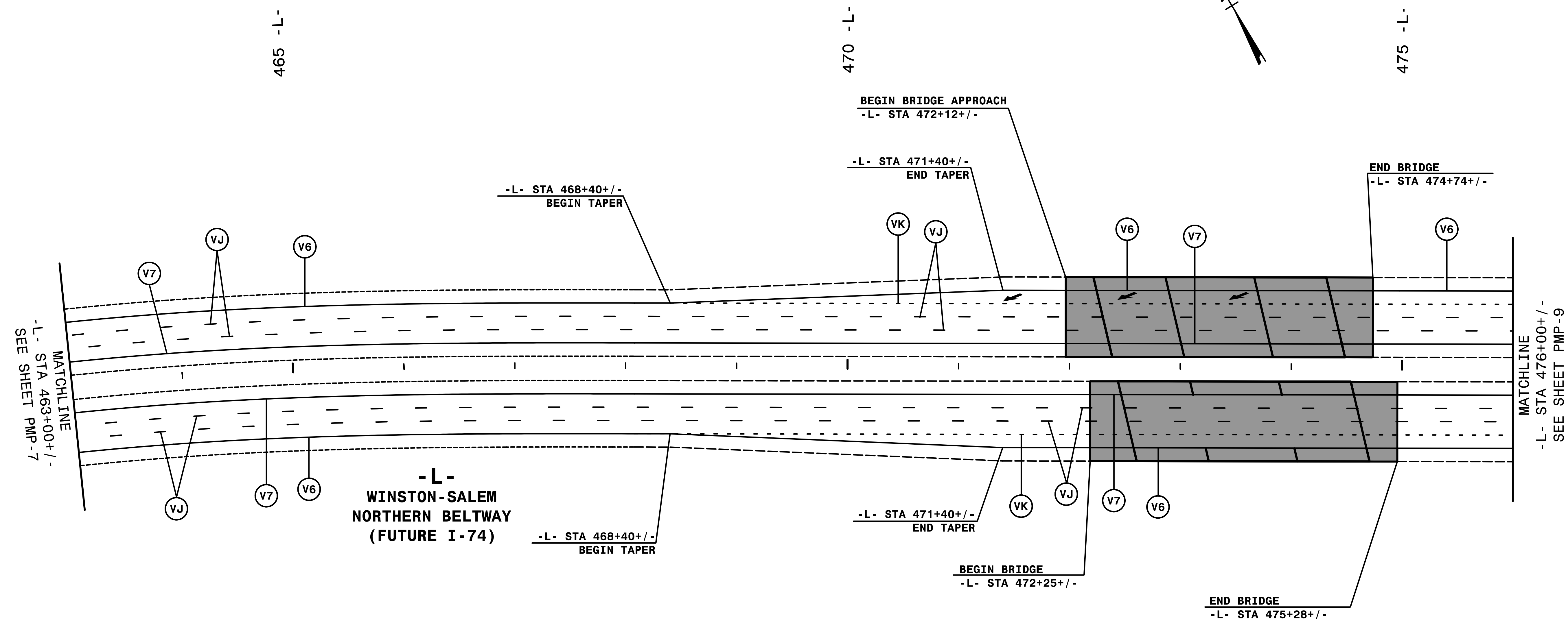
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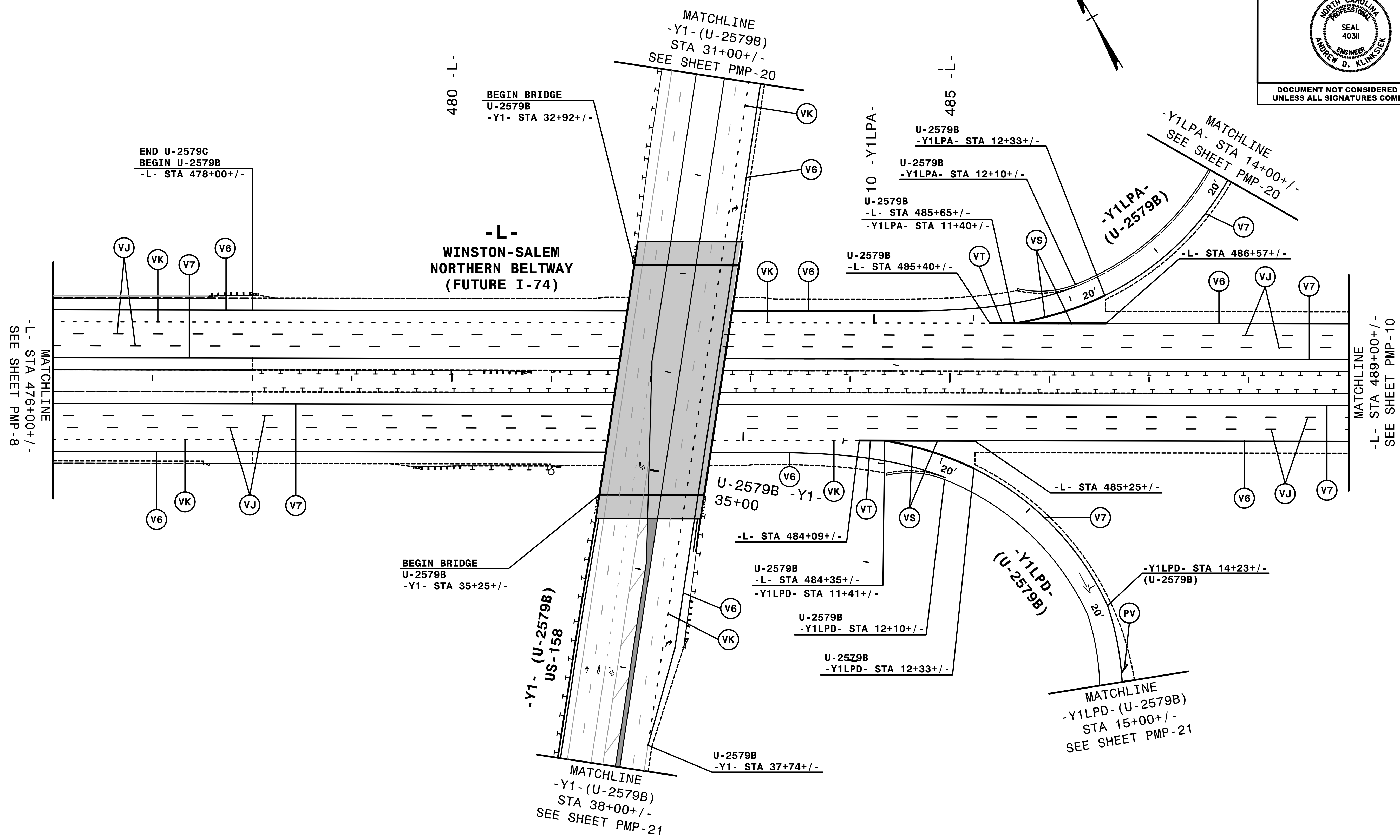
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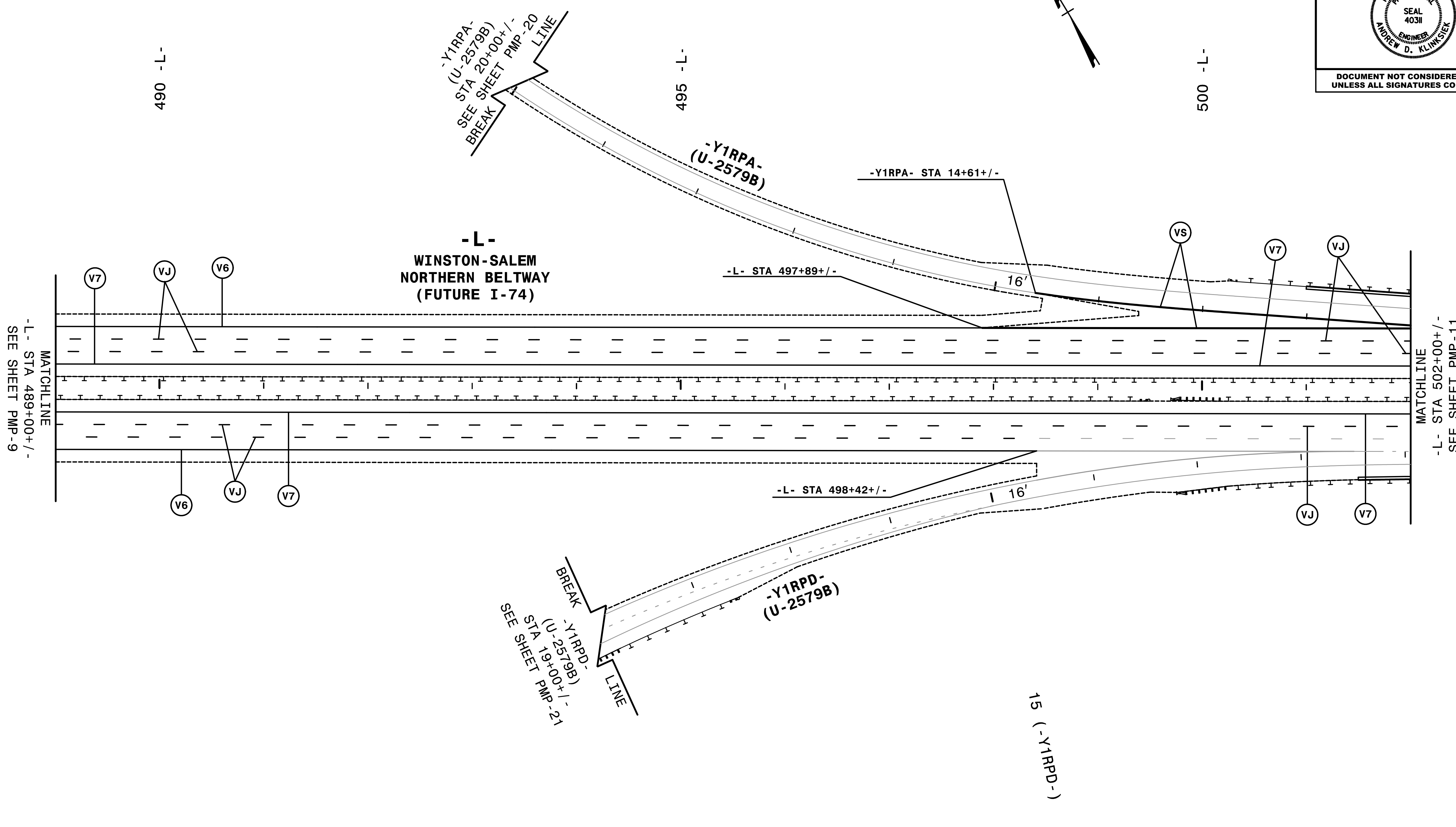
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PAVEMENT MARKING DETAIL

TIP NO. U-2579C	SHEET NO. PMP-10
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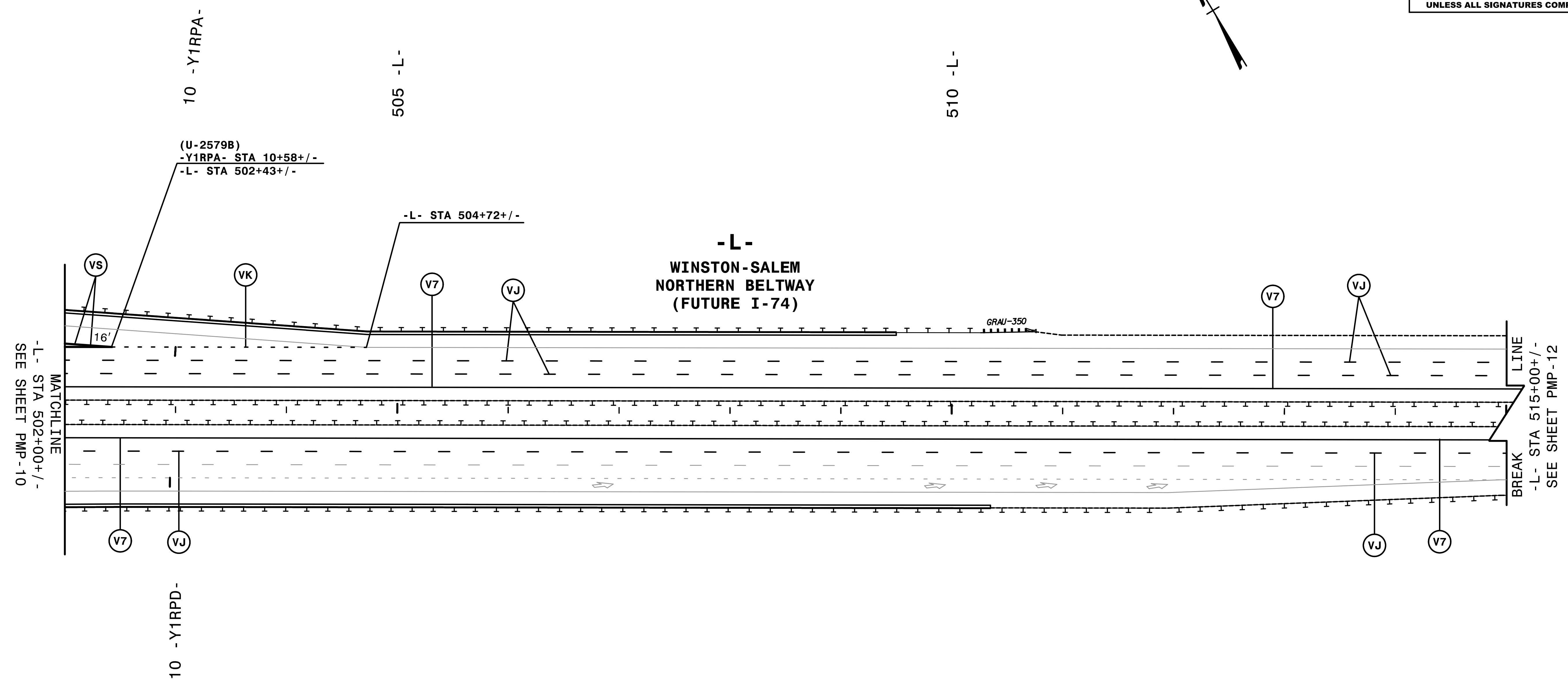
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PAVEMENT MARKING DETAIL

TIP NO. U-2579C	SHEET NO. PMP-11
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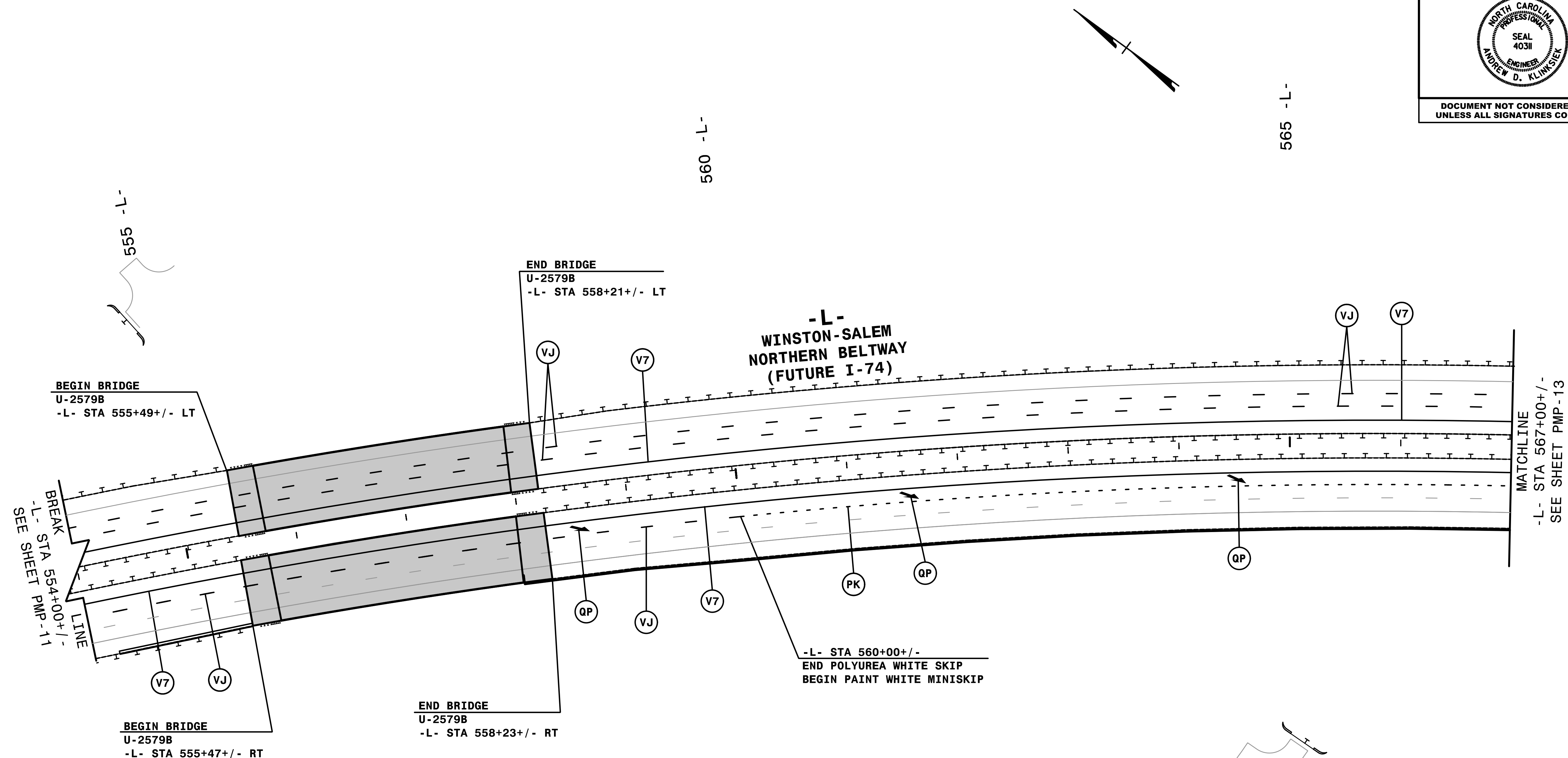
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PAVEMENT MARKING DETAIL

TIP NO. U-2579C	SHEET NO. PMP-12
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BREAK
-L- STA 554+00+/-
SEE SHEET PMP-11

BEGIN BRIDGE
U-2579B
-L- STA 555+49+/- LT

BEGIN BRIDGE
U-2579B
-L- STA 555+47+/- RT

END BRIDGE
U-2579B
-L- STA 558+23+/- RT

END BRIDGE
U-2579B
-L- STA 558+21+/- LT

-L- WINSTON-SALEM
NORTHERN BELTWAY
(FUTURE I-74)

-L- STA 560+00+/-
END POLYUREA WHITE SKIP
BEGIN PAINT WHITE MINISKIP


MATCHLINE
-L- STA 567+00+/-
SEE SHEET PMP-13

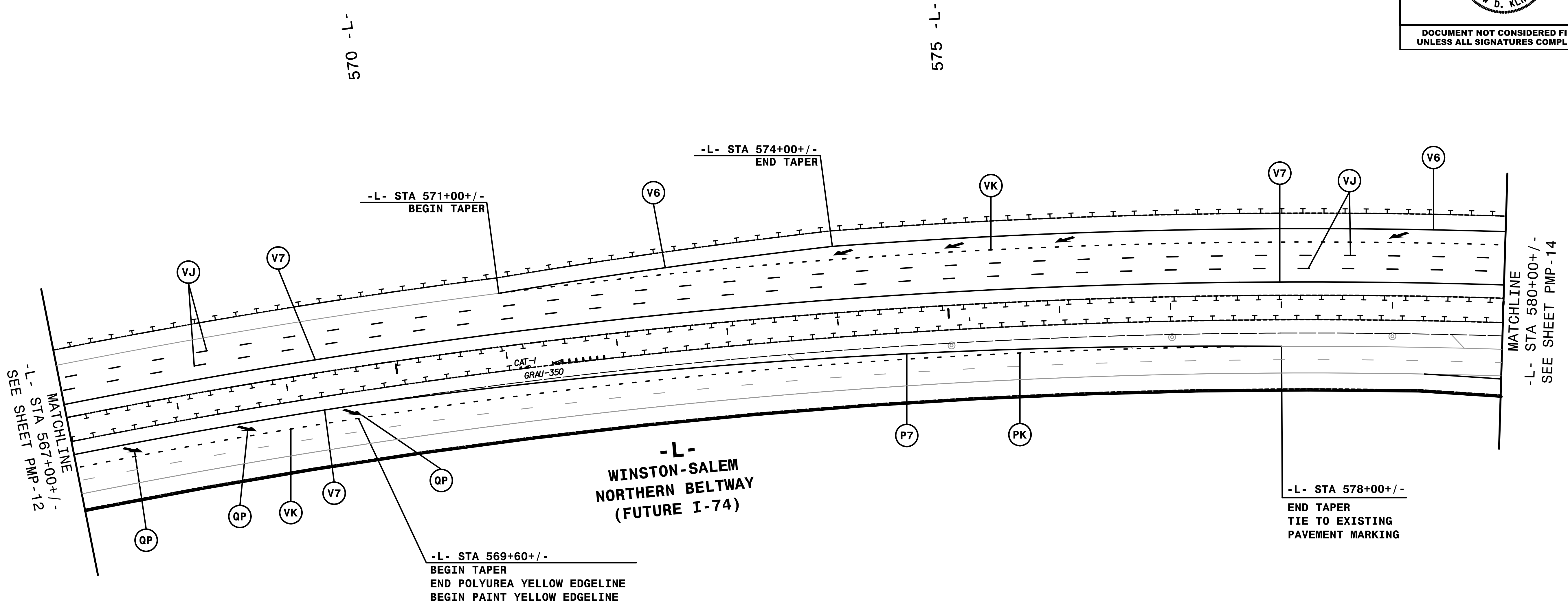
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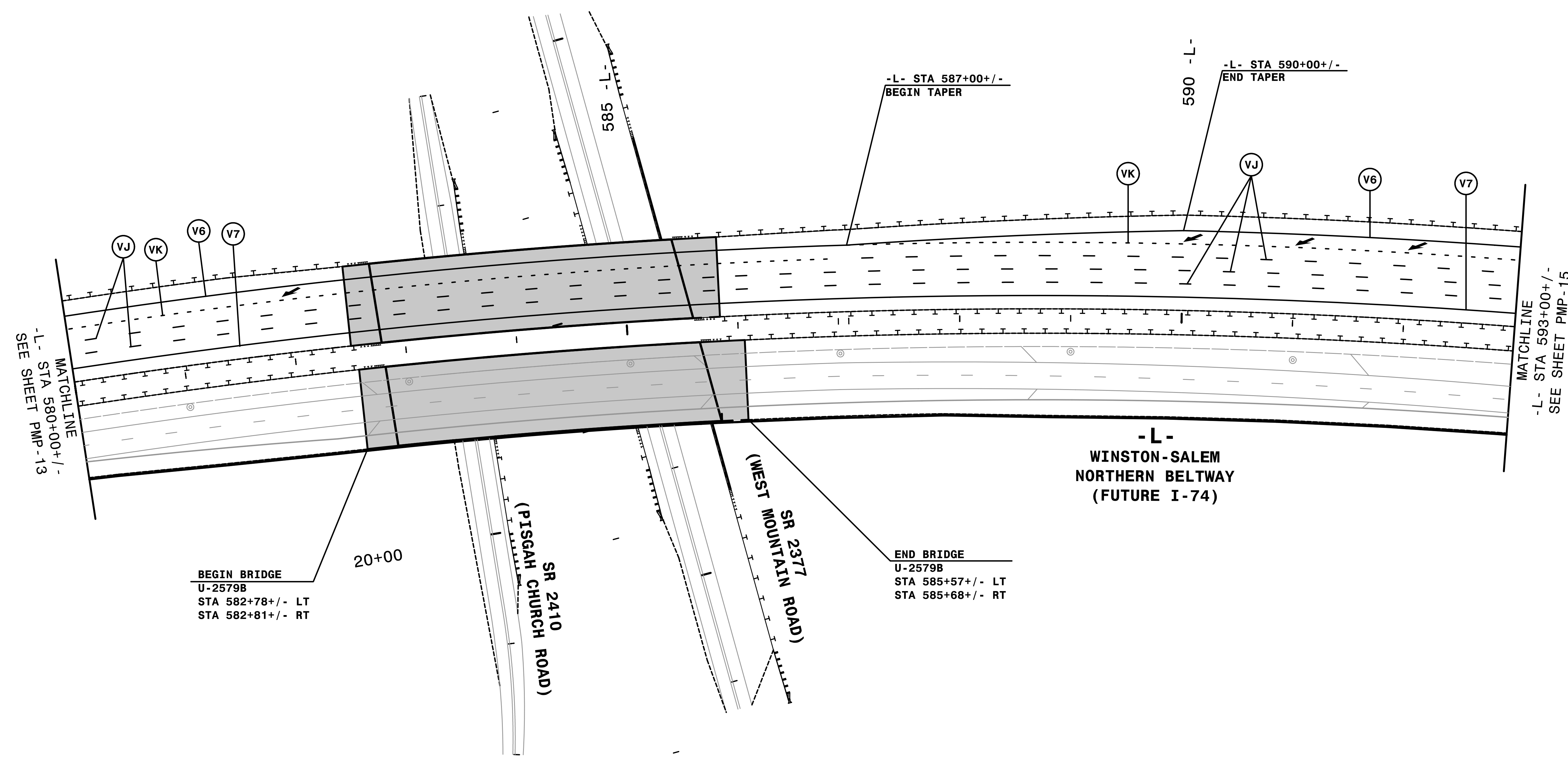
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PAVEMENT MARKING DETAIL

TIP NO. U-2579C	SHEET NO. PMP-14
APPROVED: <i>Andrew D. Klinck</i> E3078F8459E44B	
DATE: 7/3/2017	
SEAL	
	
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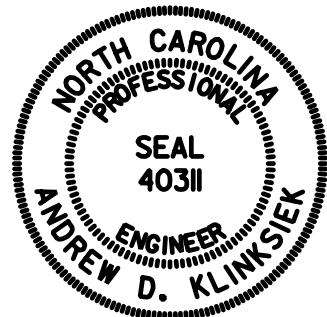


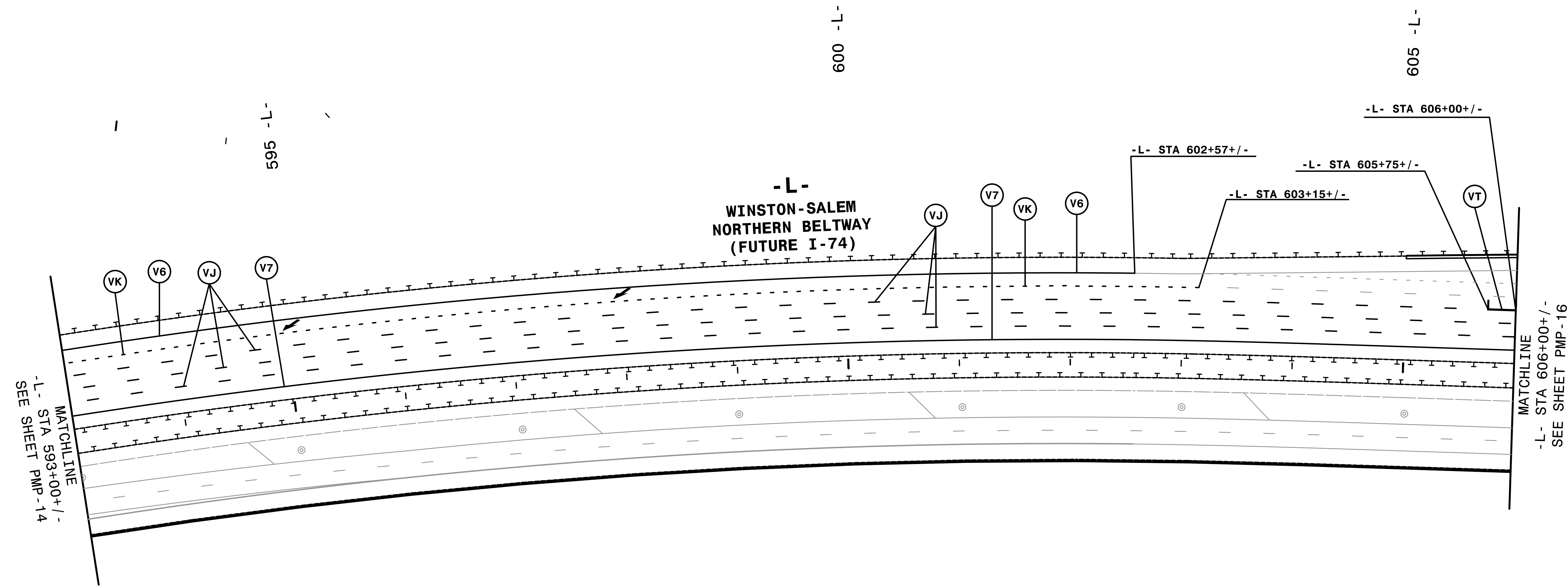
NOTE: ALL LANE WIDTHS ARE 12' UNLESS OTHERWISE SHOWN.

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PAVEMENT MARKING DETAIL

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TIP NO. U-2579C	SHEET NO. PMP-15
APPROVED: <i>Andrew D. Klinck</i> <small>E3078F8459E44B</small>	
DATE: 7/3/2017	
	
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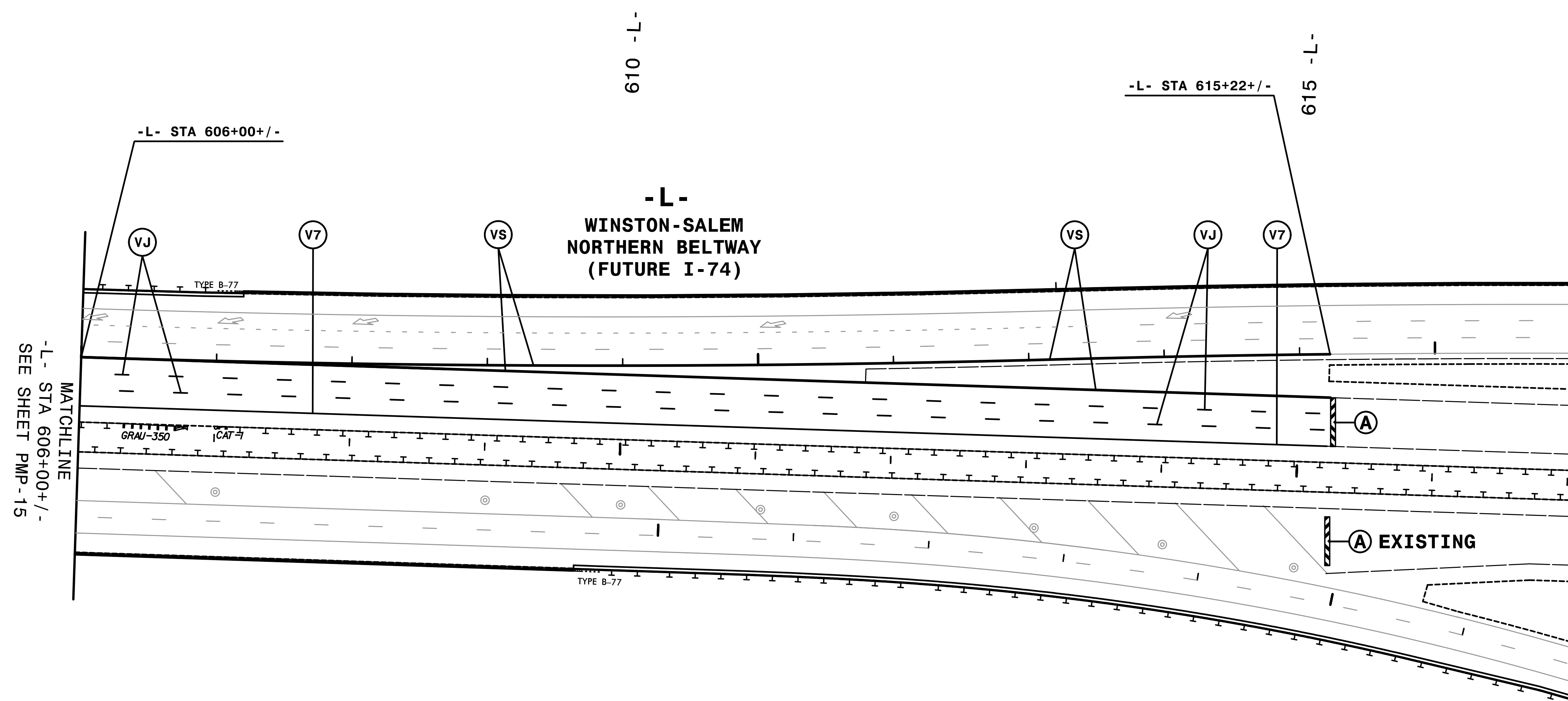
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TIP NO. U-2579C	SHEET NO. PMP-16
APPROVED: <i>Andrew D. Klinck</i> <small>E3078F84598E44B</small>	
DATE: 7/3/2017	
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MATCHLINE
 -L- STA 606+00+/-
 SEE SHEET PMP-15

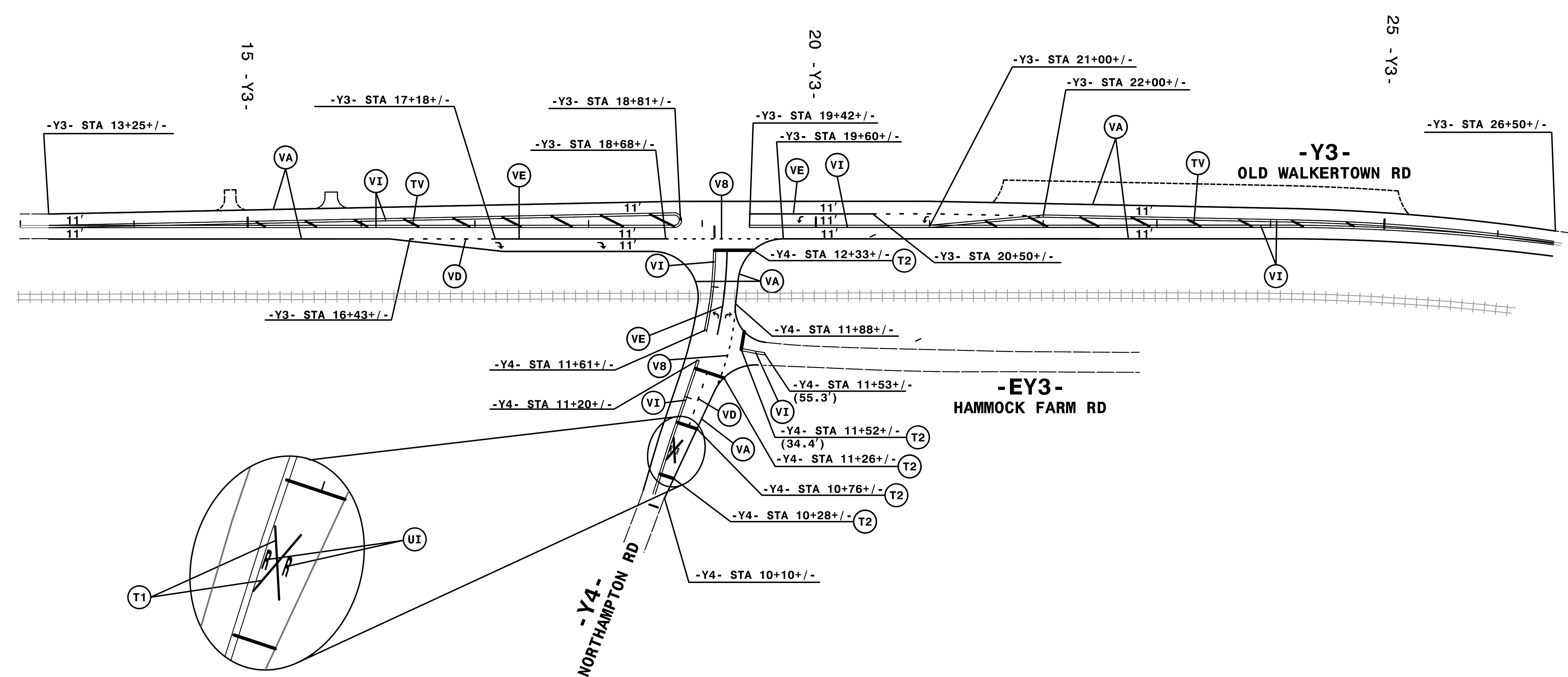
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PAVEMENT MARKING DETAIL

TIP NO. U-2579C	SHEET NO. PMP-17
APPROVED: <i>Andrew D. Klinck</i> E3078F8459E44B	
DATE: 7/3/2017	
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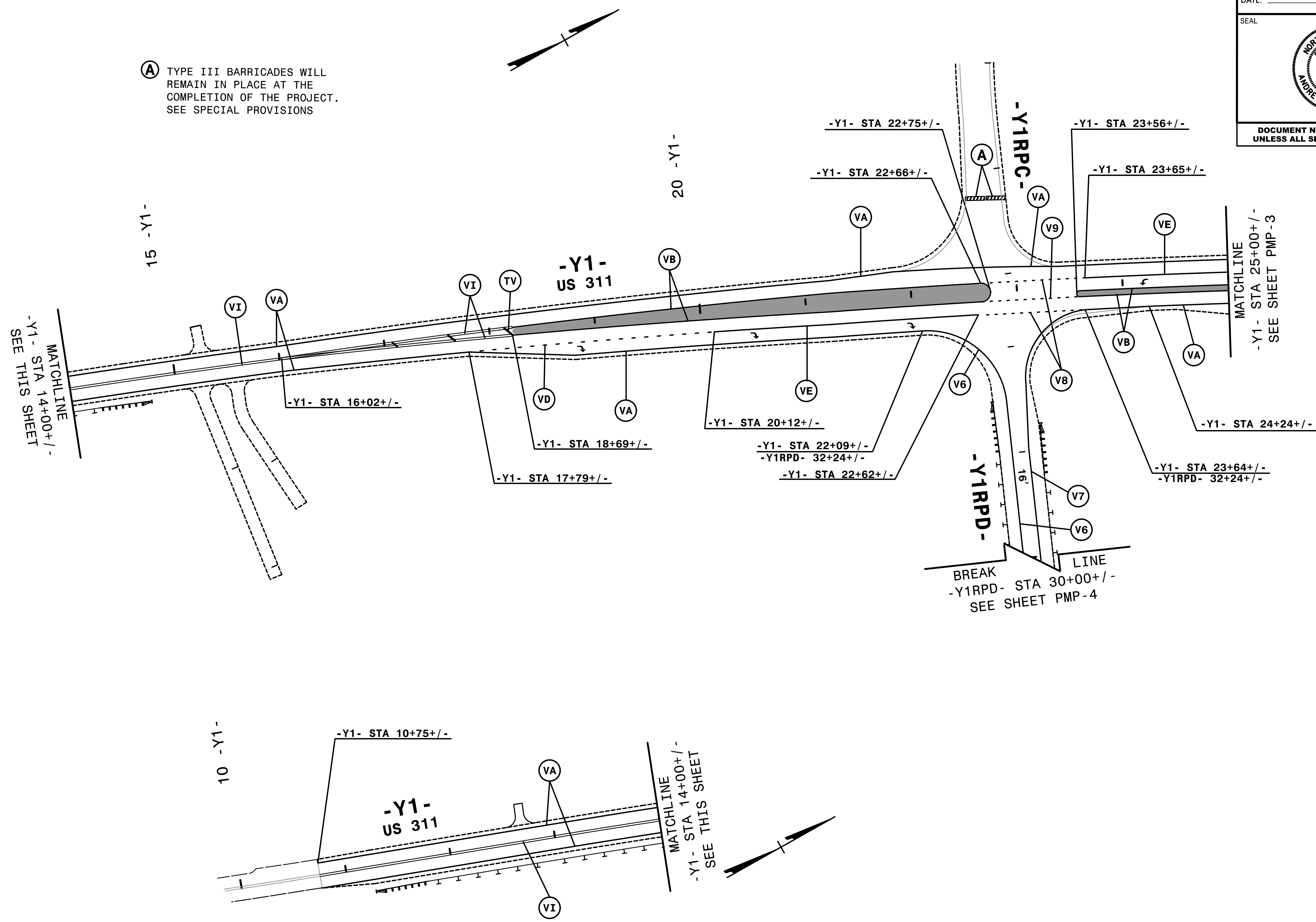
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PAVEMENT MARKING DETAIL

TIP NO. U-2579C	SHEET NO. PMP-18
APPROVED: <i>Andrew D. Klinck</i> E3078F8459E44B	
DATE: 7/3/2017	
	
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(A) TYPE III BARRICADES WILL REMAIN IN PLACE AT THE COMPLETION OF THE PROJECT. SEE SPECIAL PROVISIONS




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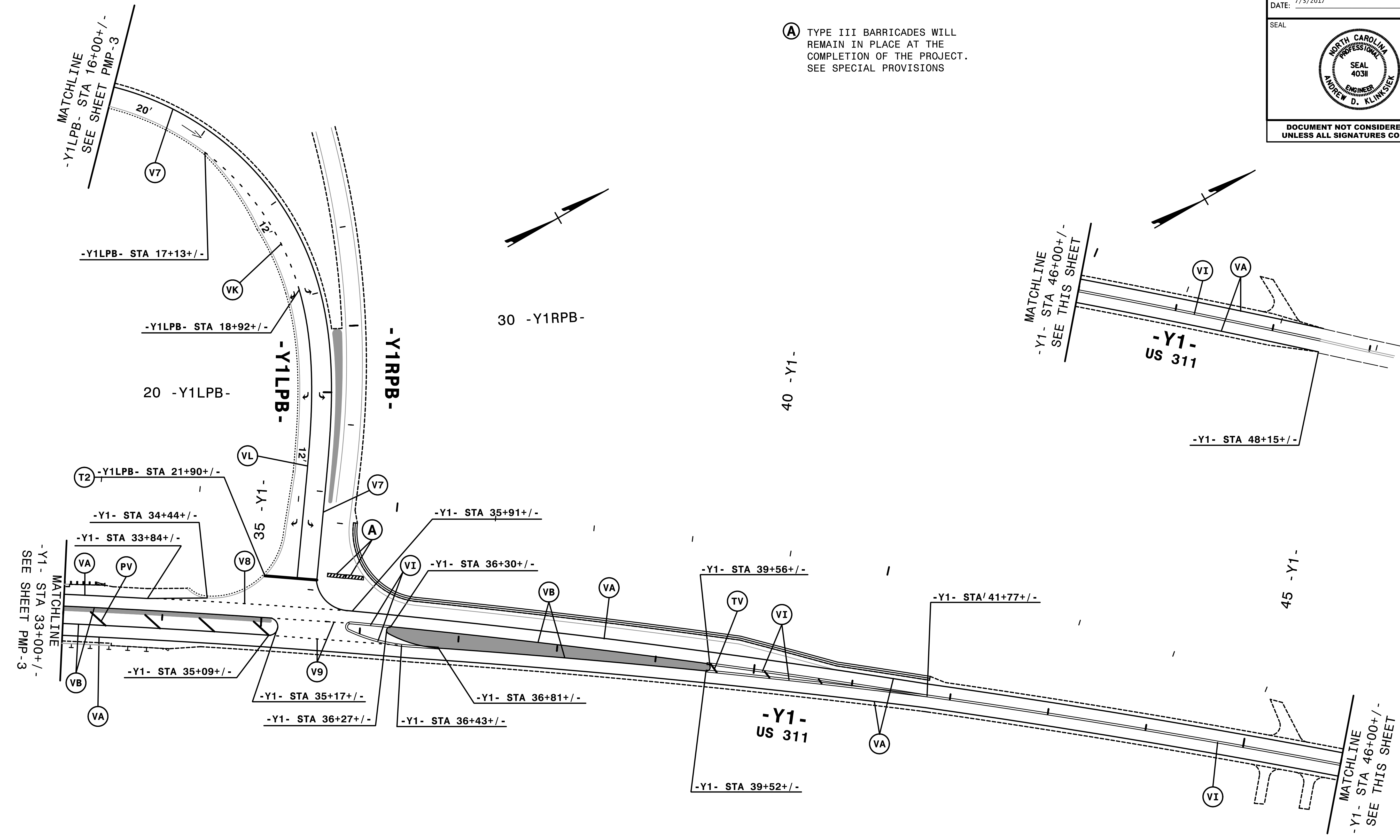
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PAVEMENT MARKING DETAIL

TIP NO. U-2579C	SHEET NO. PMP-19
APPROVED: <i>Andrew D. Klinck</i> E3078F84598E44B	
DATE: 7/3/2017	
SEAL 	
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(A) TYPE III BARRICADES WILL REMAIN IN PLACE AT THE COMPLETION OF THE PROJECT. SEE SPECIAL PROVISIONS




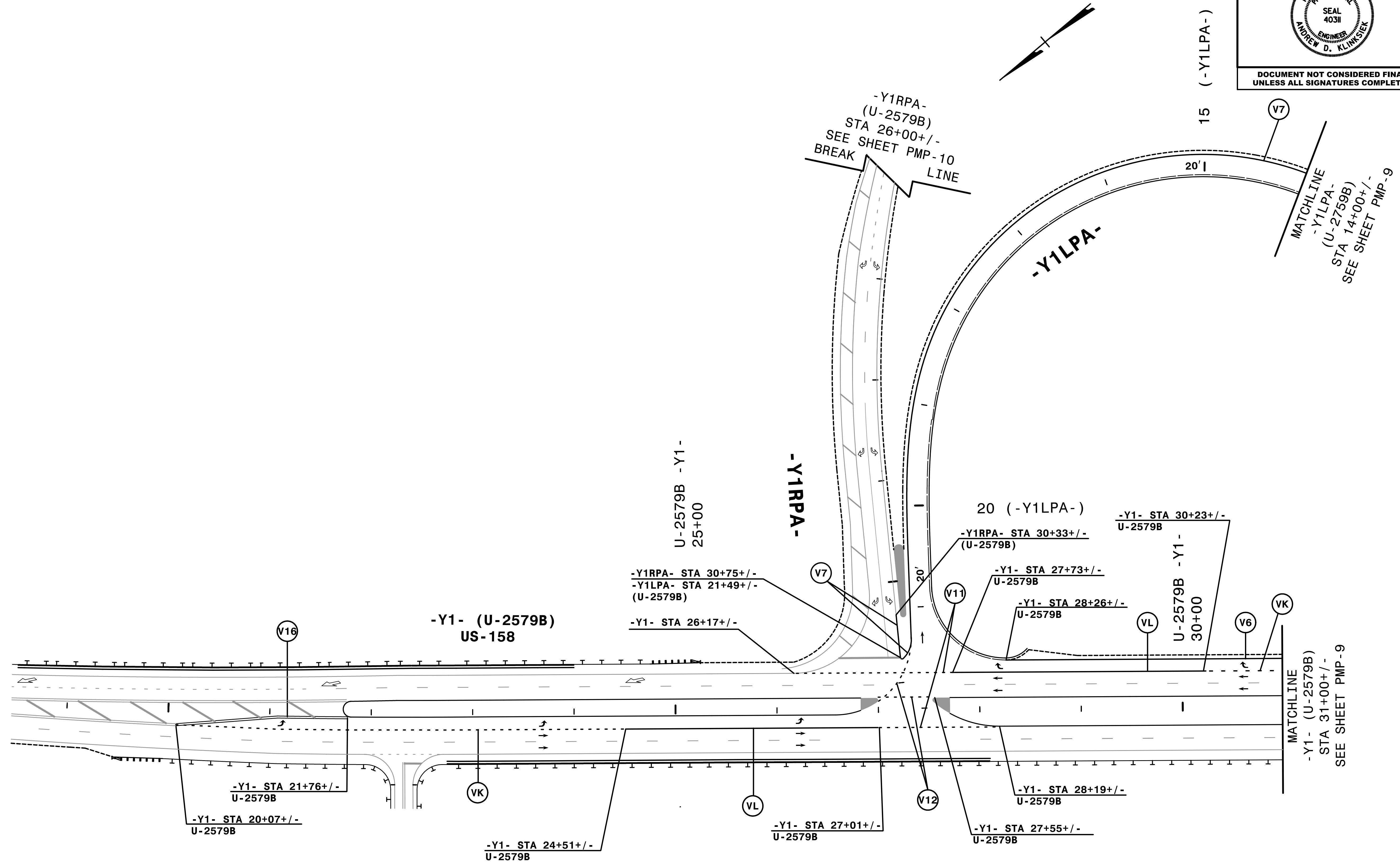
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PAVEMENT MARKING DETAIL

TIP NO. U-2579C	SHEET NO. PMP-20
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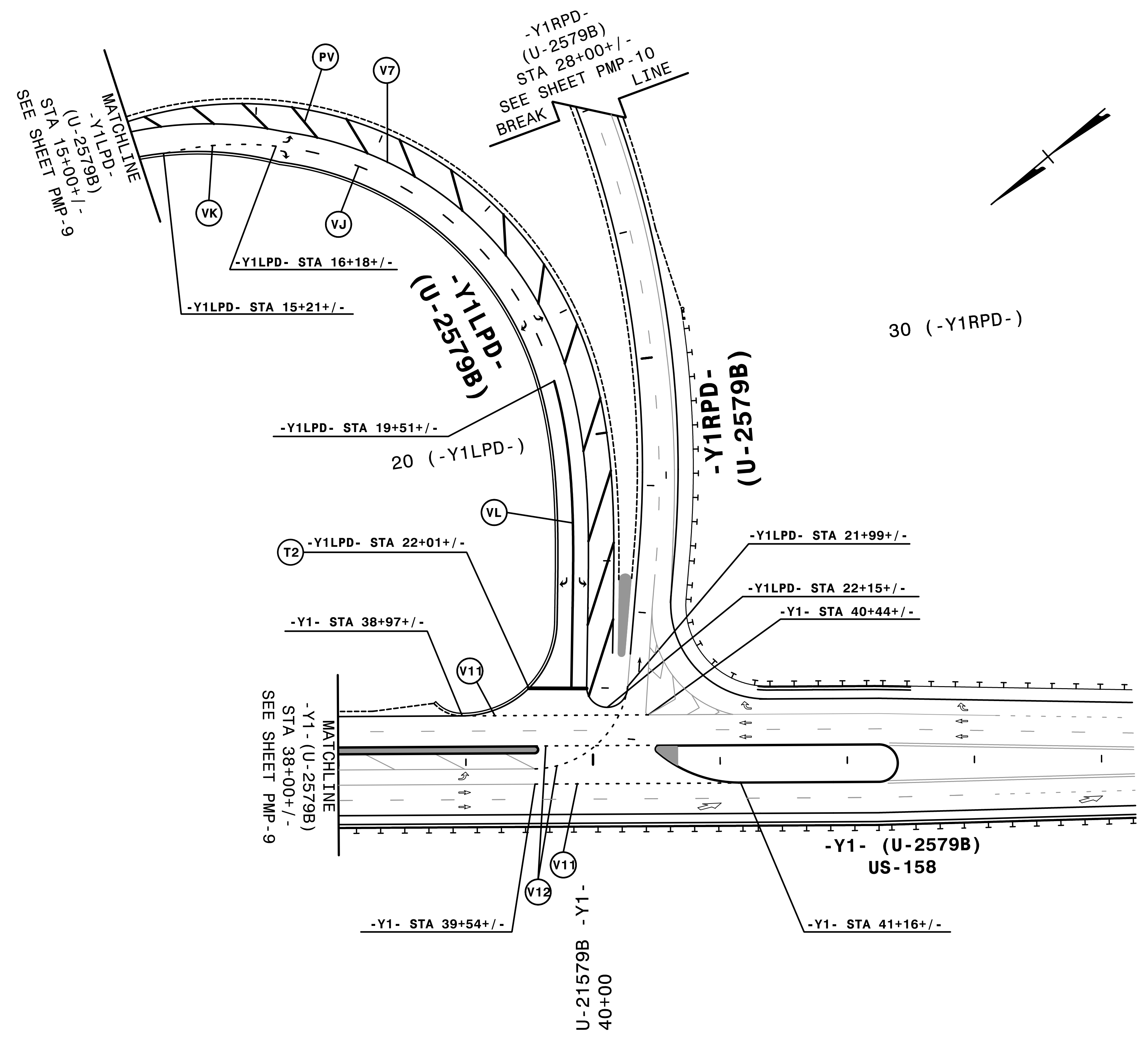
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TIP NO. U-2579C	SHEET NO. PMP-21
APPROVED: <i>Andrew D. Klinck</i> <small>E3078F8459E44B</small>	
DATE: 7/3/2017	
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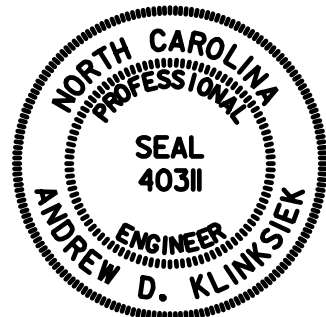


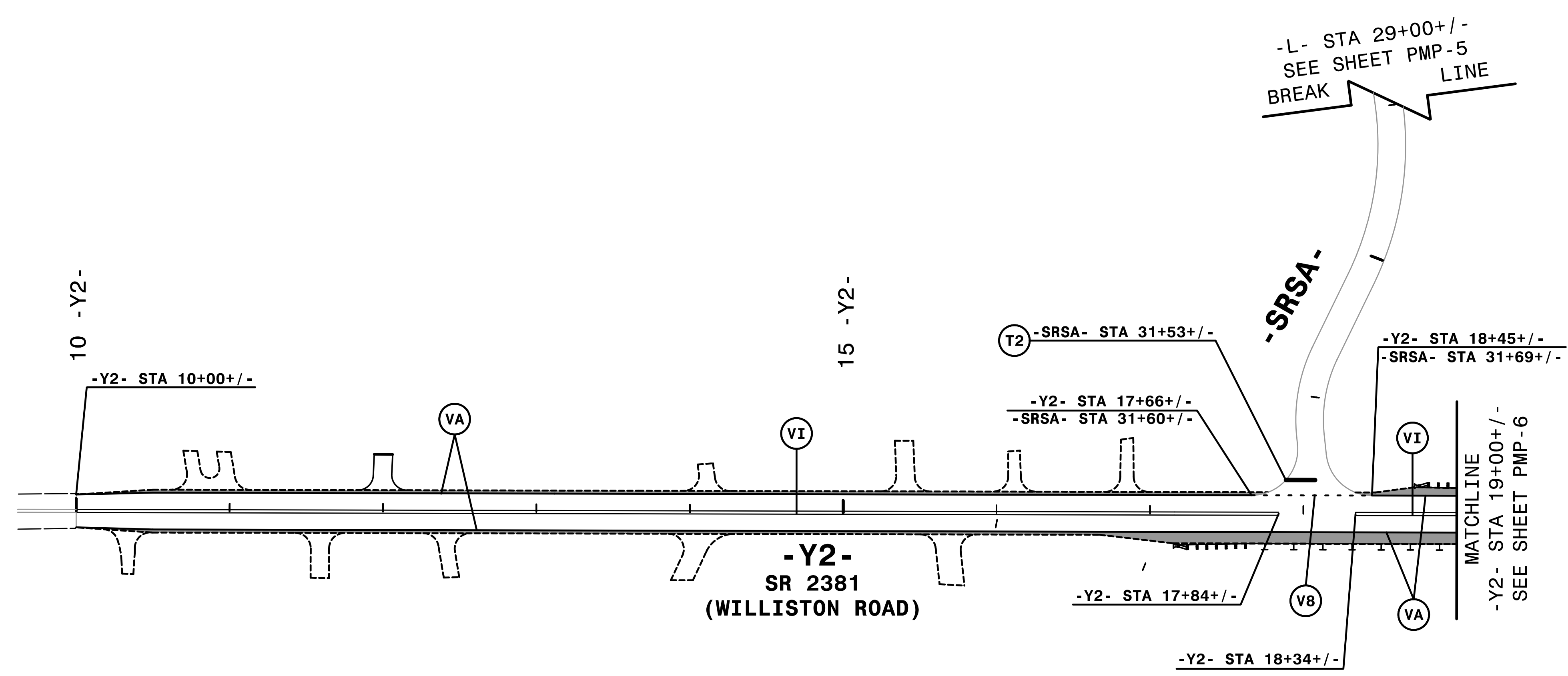
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TIP NO. U-2579C	SHEET NO. PMP-22
APPROVED: <i>Andrew D. Klinck</i> <small>E3078F8459E44B</small>	
DATE: 7/3/2017	
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