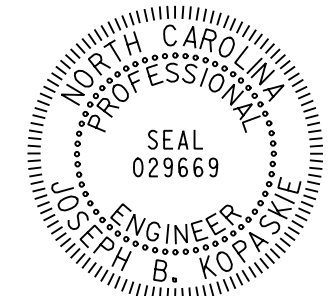


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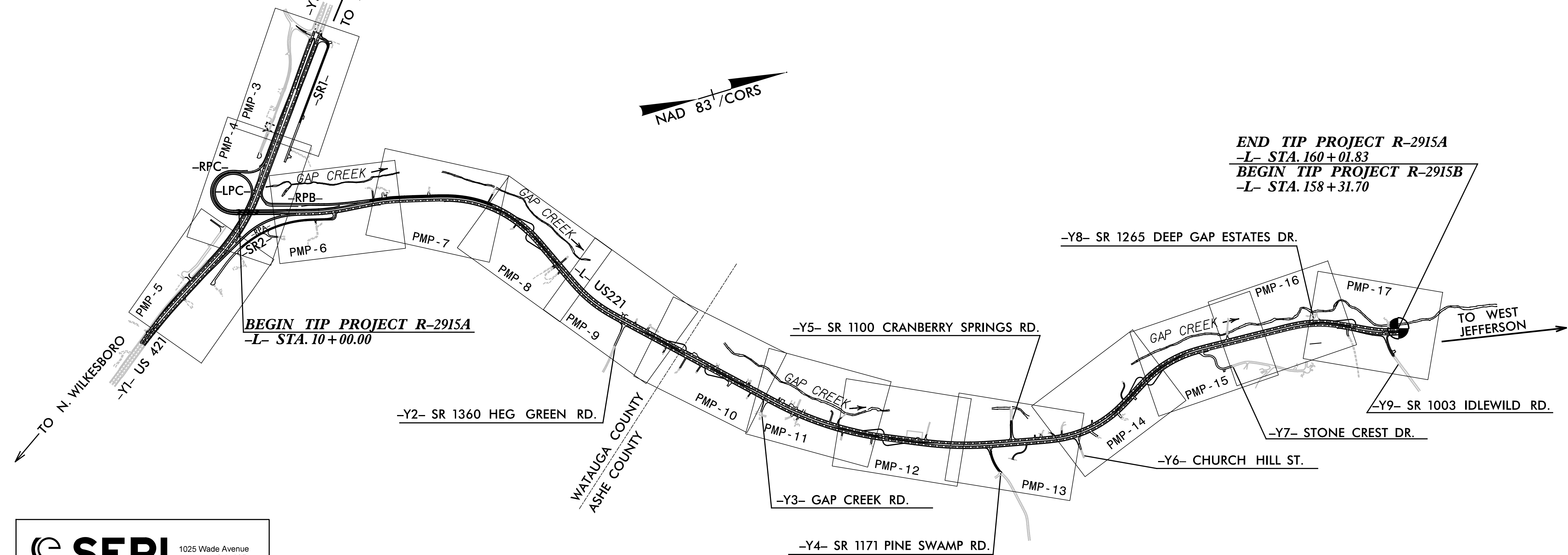
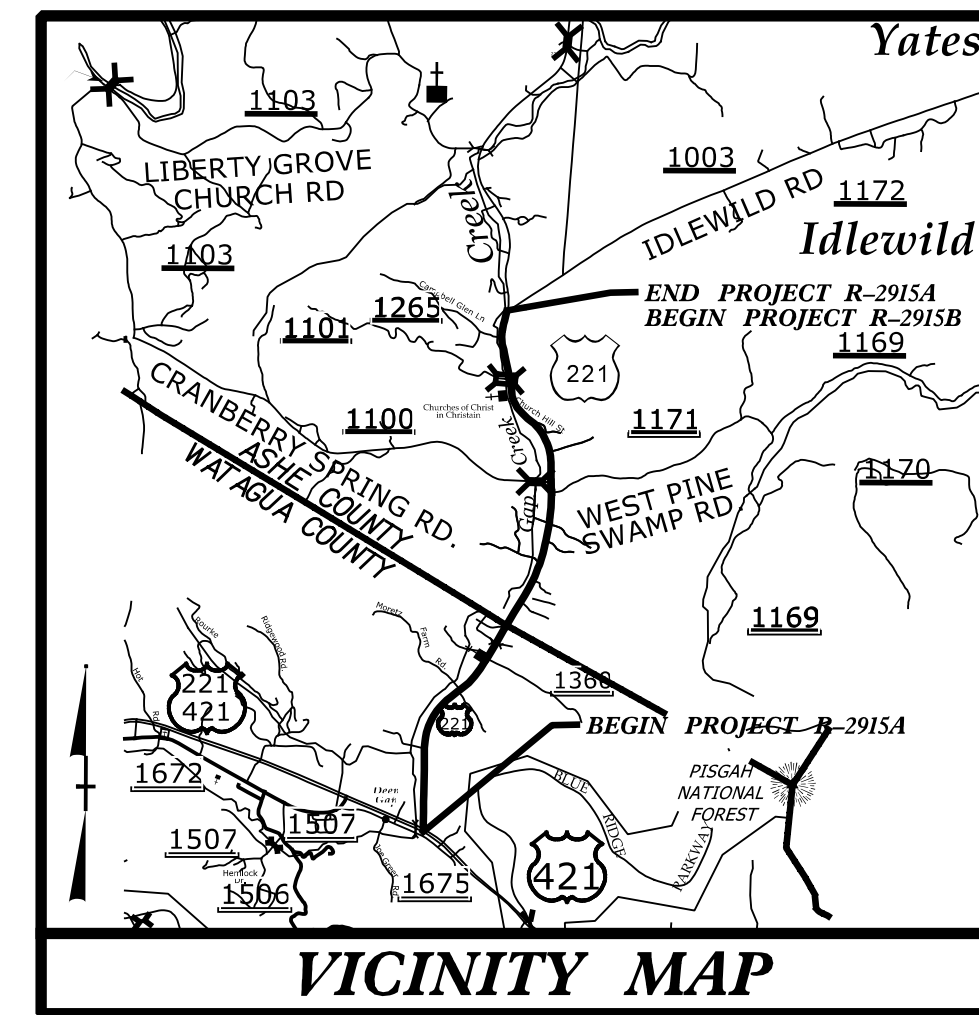
TIP NO. R-2915A	SHEET NO. PMP-1
APPROVED: <i>Joseph Kopaskie</i> 5/27/2015	
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**CONTRACT: C203593 T.I.P.: R-2915A**

**STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION**

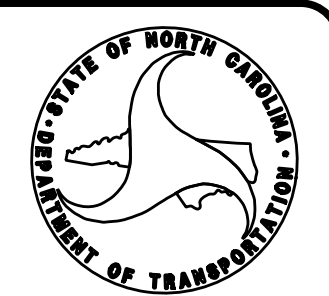
**PAVEMENT MARKING PLAN  
WATAUGA & ASHE COUNTIES**

**LOCATION: US 221 FROM US 421 IN WATAUGA COUNTY TO SR 1003 (IDLEWILD RD) IN ASHE COUNTY**



**SEPI**  
ENGINEERING & CONSTRUCTION  
1025 Wade Avenue  
Raleigh, NC 27605  
Tel: 919-789-9977  
Fax: 919-789-9591  
License: C-2197

PLAN PREPARED FOR: N.C.D.O.T. SIGNING AND DELINEATION UNIT	
<u>KELVIN L. JORDAN</u>	SIGNING & DELINEATION REGIONAL ENGINEER
<u>DERRICK H. BEARD</u>	SIGNING & DELINEATION PROJECT DESIGN ENGINEER/TECHNICIAN



PLAN PREPARED BY: SEPI ENGINEERING & CONSTRUCTION	
<u>JOSEPH B. KOPASKIE, PE</u>	SIGNING & DELINEATION PROJECT ENGINEER
<u>RICHARD DRAYTON</u>	SIGNING & DELINEATION PROJECT DESIGN ENGINEER

<b>INDEX</b>	
SHEET NO.	DESCRIPTION
PMP-1	PAVEMENT MARKING PLAN TITLE AND INDEX SHEET
PMP-2	PAVEMENT MARKING SCHEDULE, GENERAL NOTES AND ROADWAY STANDARD DRAWING SCHEDULE SHEET
PMP-3 THRU PMP-17	PAVEMENT MARKING DETAIL



TIP NO. R-2915A	SHEET NO. PMP-2
APPROVED: <u>Joseph Koparick</u> <small>Professional Engineer</small>	
DATE: 5/27/2015	
SEAL	

### PAVEMENT MARKING SCHEDULE

<u>SYMBOL</u>	<u>DESCRIPTION</u>	
		<u>THERMOPLASTIC(12", 90 MILS)</u>
TU	WHITE DIAGONAL	
TV	YELLOW DIAGONAL	
		<u>THERMOPLASTIC(24", 120 MILS)</u>
T2	WHITE STOPBAR	
		<u>POLYUREA (4") WITH HIGHLY REFLECTIVE ELEMENTS</u>
V8	2 FT. - 6 FT./SP WHITE MINISKIP	
V9	2 FT. - 6 FT./SP YELLOW MINISKIP	
VA	WHITE EDGELINE	
VB	YELLOW EDGELINE	
VC	10 FT. WHITE SKIP	
VD	3 FT. - 9 FT./SP WHITE MINISKIP	
VE	WHITE SOLID LANE LINE	
VF	10 FT. YELLOW SKIP	
VH	YELLOW SINGLE CENTER	
VI	YELLOW DOUBLE CENTER	
		<u>POLYUREA (8") WITH HIGHLY REFLECTIVE ELEMENTS</u>
V13	3 FT. - 9 FT./SP WHITE MINISKIP	
VN	WHITE GORELINE	
VR	WHITE SOLID LANE LINE	
		<u>THERMOPLASTIC PAVEMENT MARKING SYMBOLS (90 MILS)</u>
UA	LEFT TURN ARROW	
UB	RIGHT TURN ARROW	
UC	STRAIGHT ARROW	
UP	MERGE ARROW	
UT	U-TURN ARROW	
		<u>SNOWPLOWABLE RAISED PAVEMENT MARKERS</u>
ME	◆ YELLOW & YELLOW	
MF	■ CRYSTAL & RED	
		<u>FLEXIBLE DELINEATORS</u>
▲	YELLOW	
●	CRYSTAL	

### 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
US HWY 221	POLYUREA WITH HIGHLY REFLECTIVE ELEMENTS	SNOWPLOWABLE RAISED
US HWY 421	POLYUREA WITH HIGHLY REFLECTIVE ELEMENTS	SNOWPLOWABLE RAISED
ALL -Y- LINES	POLYUREA WITH HIGHLY REFLECTIVE ELEMENTS	SNOWPLOWABLE 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.

### 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:

<u>STD. NO.</u>	<u>TITLE</u>
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
1205.12	PAVEMENT MARKINGS - BRIDGES
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
1264.01	OBJECT MARKERS - TYPES
1264.02	OBJECT MARKERS - INSTALLATION
1267.01	FLEXIBLE DELINEATORS - INSTALLATION
1267.02	FLEXIBLE DELINEATORS - SPACING TABLES
1267.03	FLEXIBLE DELINEATORS - INTERCHANGE PLACEMENT

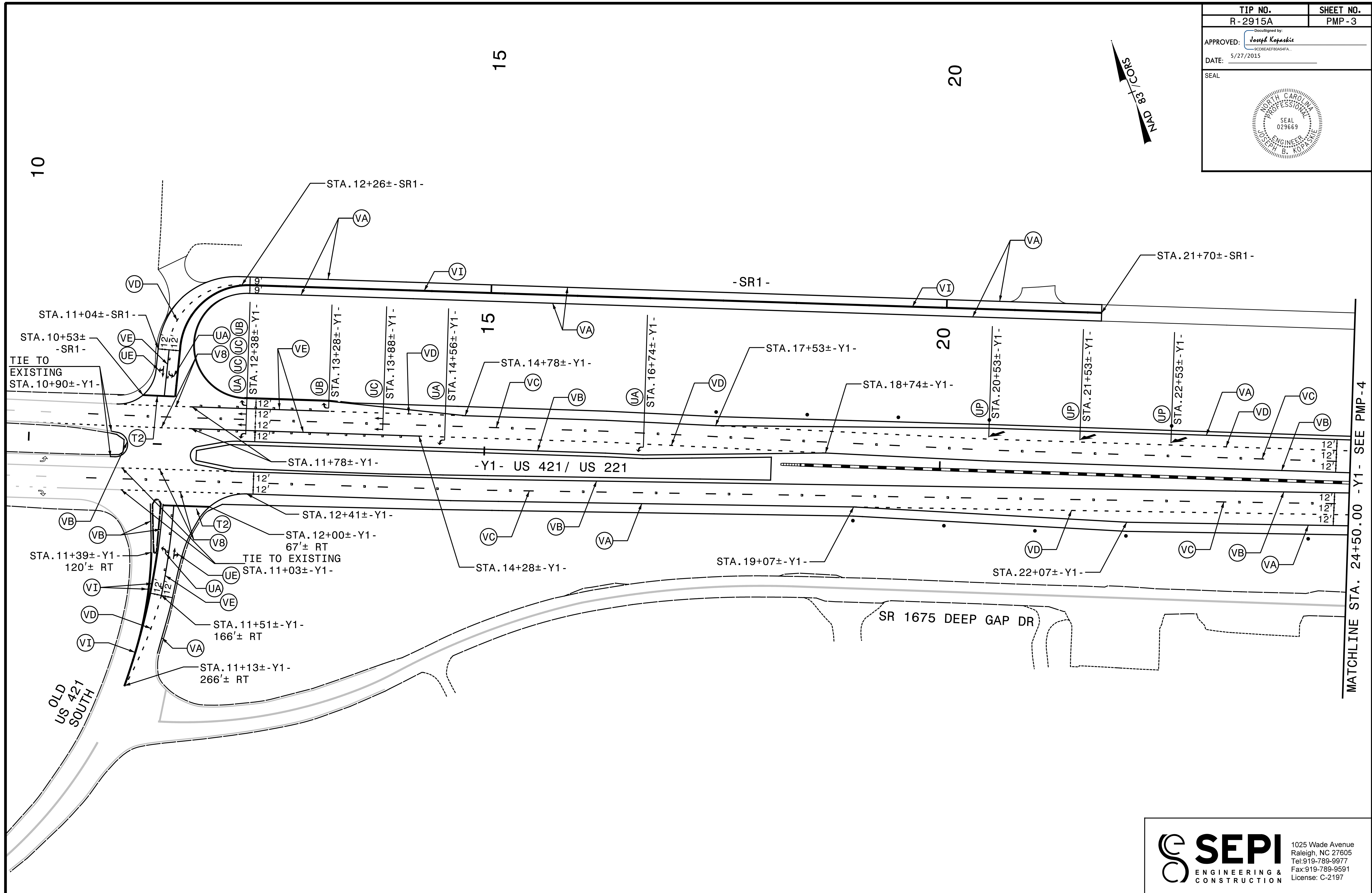
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**PAVEMENT MARKING SCHEULE  
GENERAL NOTES AND ROADWAY  
STANDARD DRAWING SCHEDULE**

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APPROVED: <i>Joseph Kopasnik</i> <small>SCDMEAEF80ASAF4</small>	
DATE: 5/27/2015	
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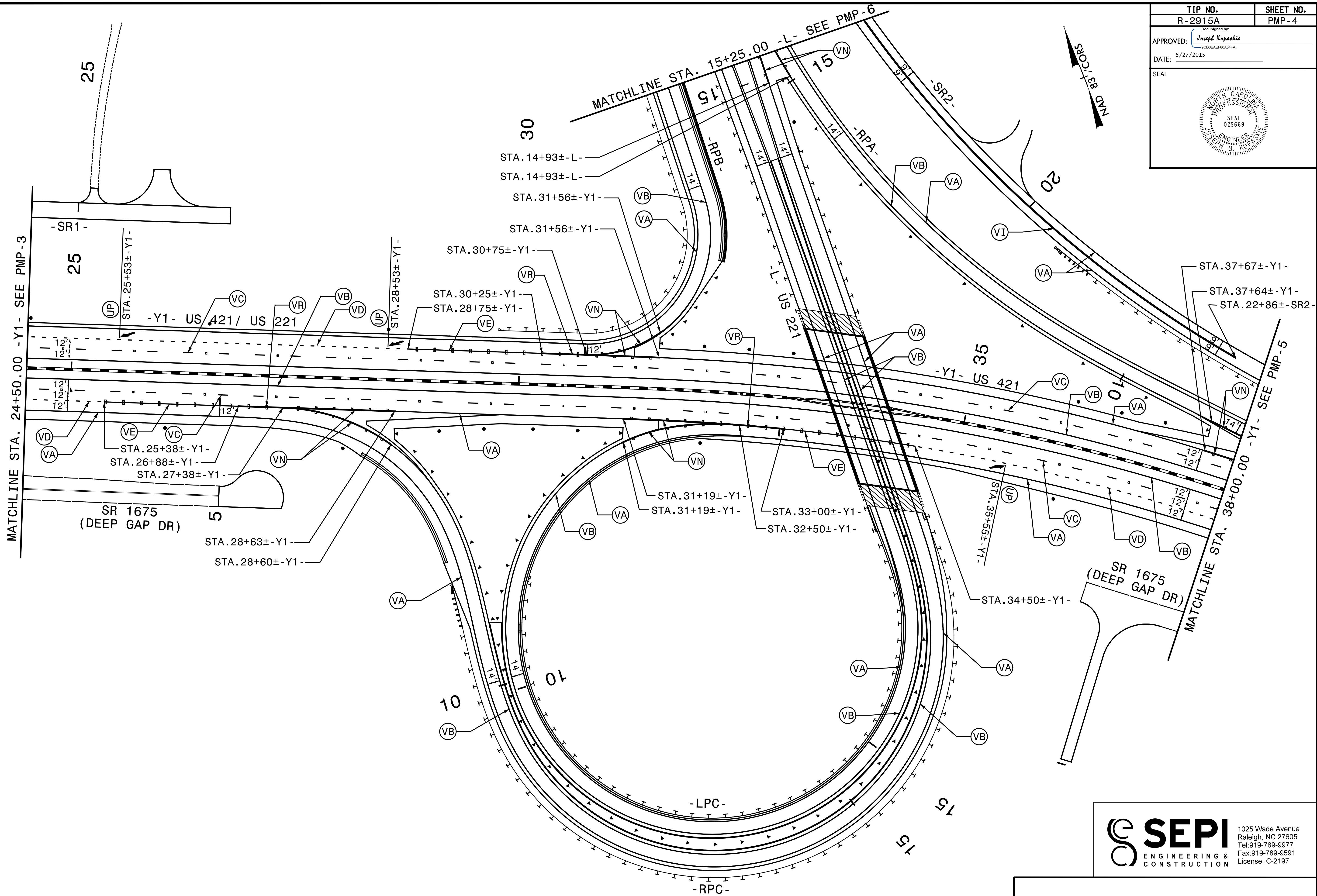
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PAVEMENT MARKING DETAIL



TIP NO. R-2915A	SHEET NO. PMP-4
APPROVED: <i>Joseph Kopaskie</i> <small>SC06EAEF80A5AFA</small>	
DATE: 5/27/2015	
SEAL	



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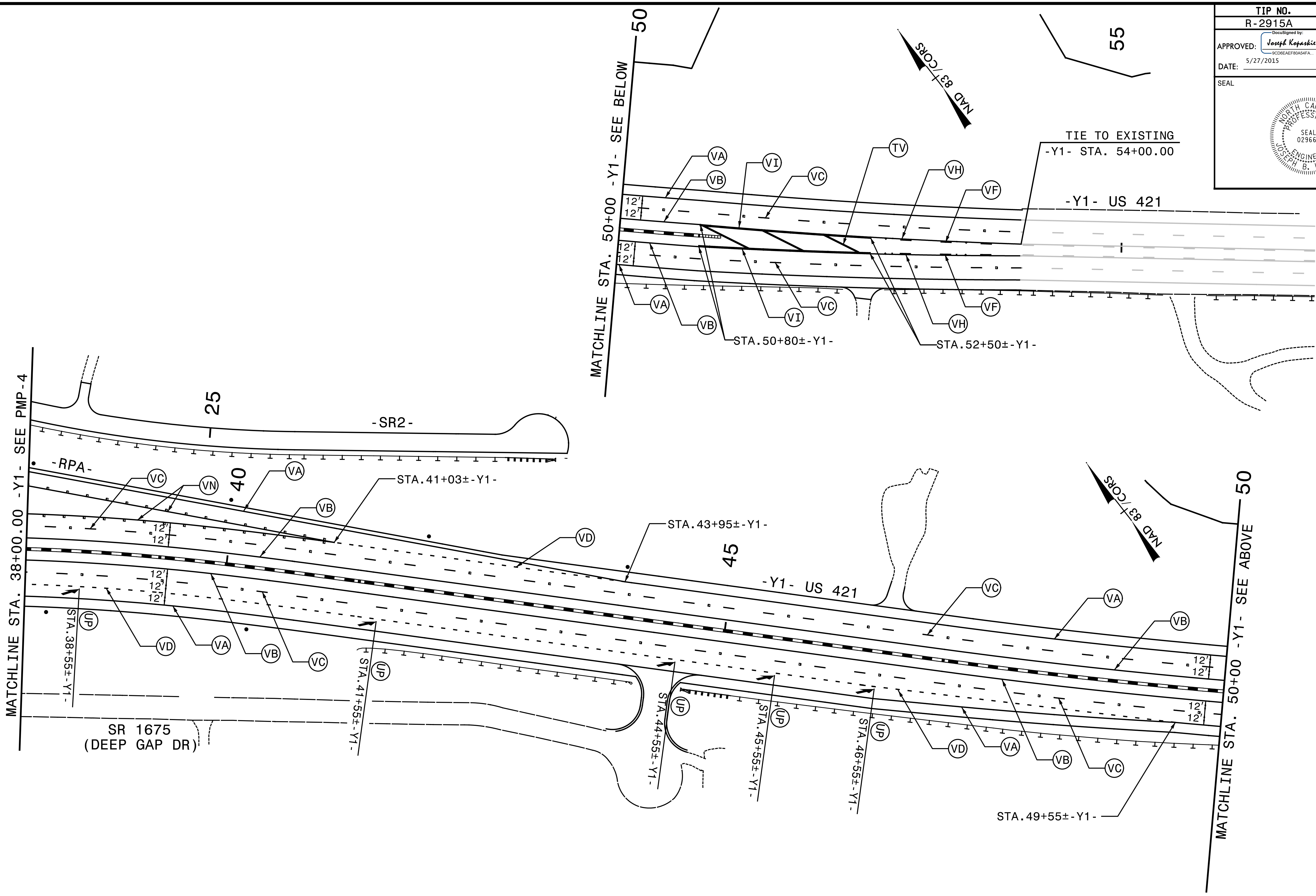
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**PAVEMENT MARKING DETAIL**



TIP NO. R-2915A	SHEET NO. PMP-5
APPROVED: <i>Joseph Kopaskie</i> <small>SC08EAEF80A5AFA</small>	
DATE: 5/27/2015	
SEAL	

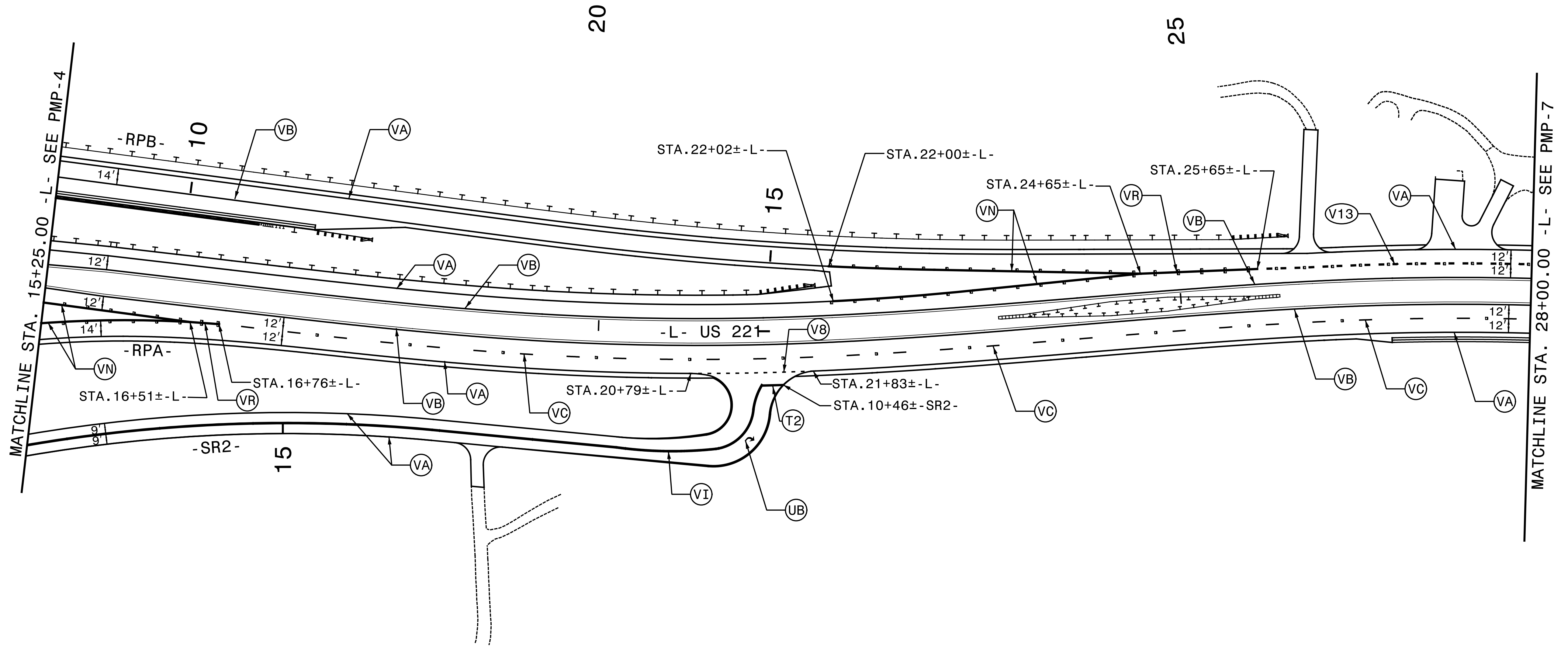
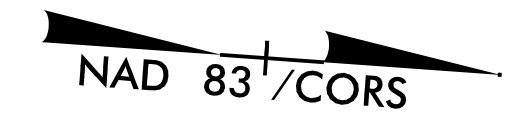


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# PAVEMENT MARKING DETAIL

TIP NO. R-2915A	SHEET NO. PMP-6
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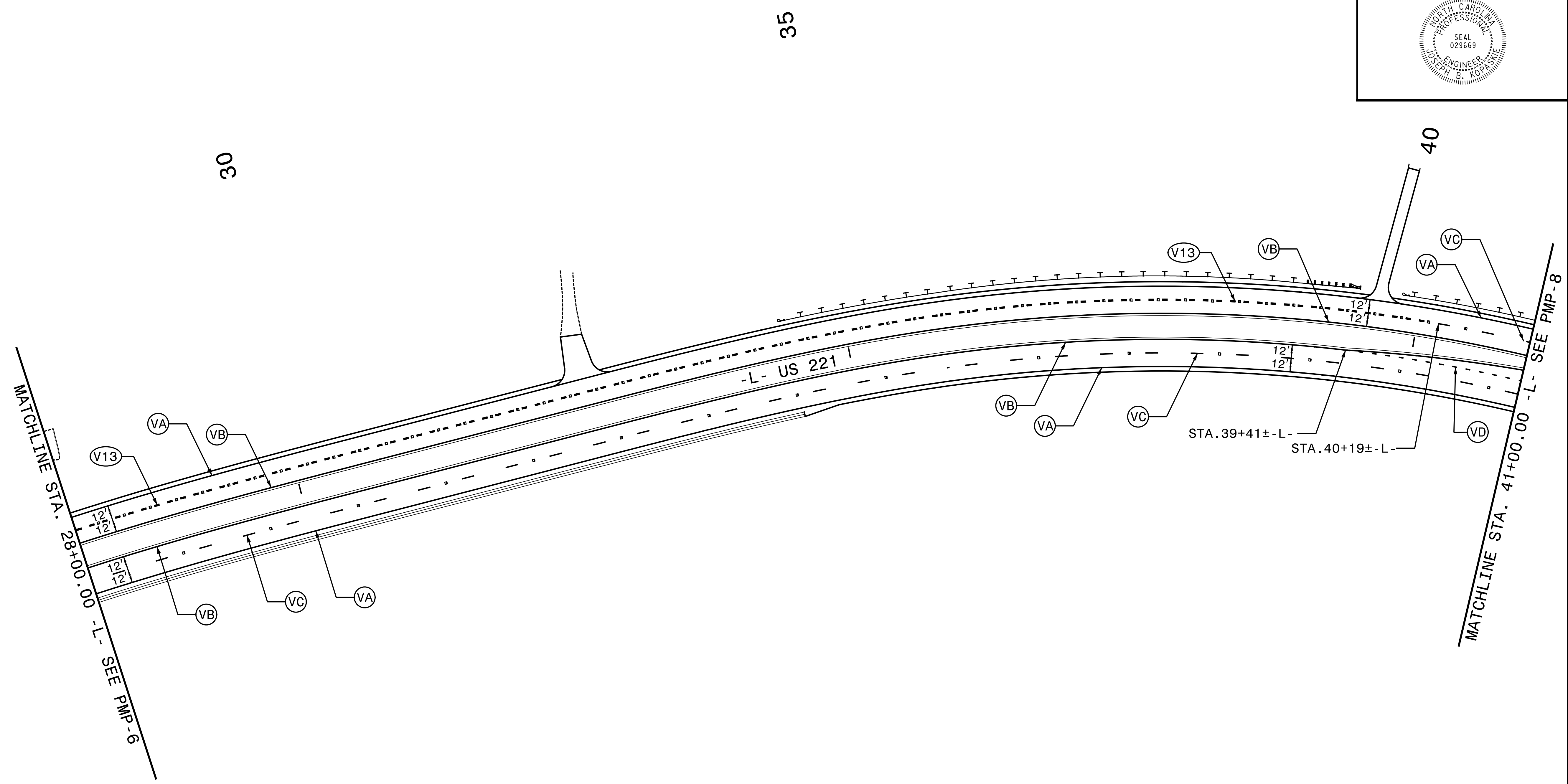
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PAVEMENT MARKING DETAIL

TIP NO. R-2915A	SHEET NO. PMP-7
APPROVED: <i>Joseph Kopasick</i> <small>SC09EAEF80A54FA</small>	
DATE: 5/27/2015	
SEAL	

NAD 83 / CORS




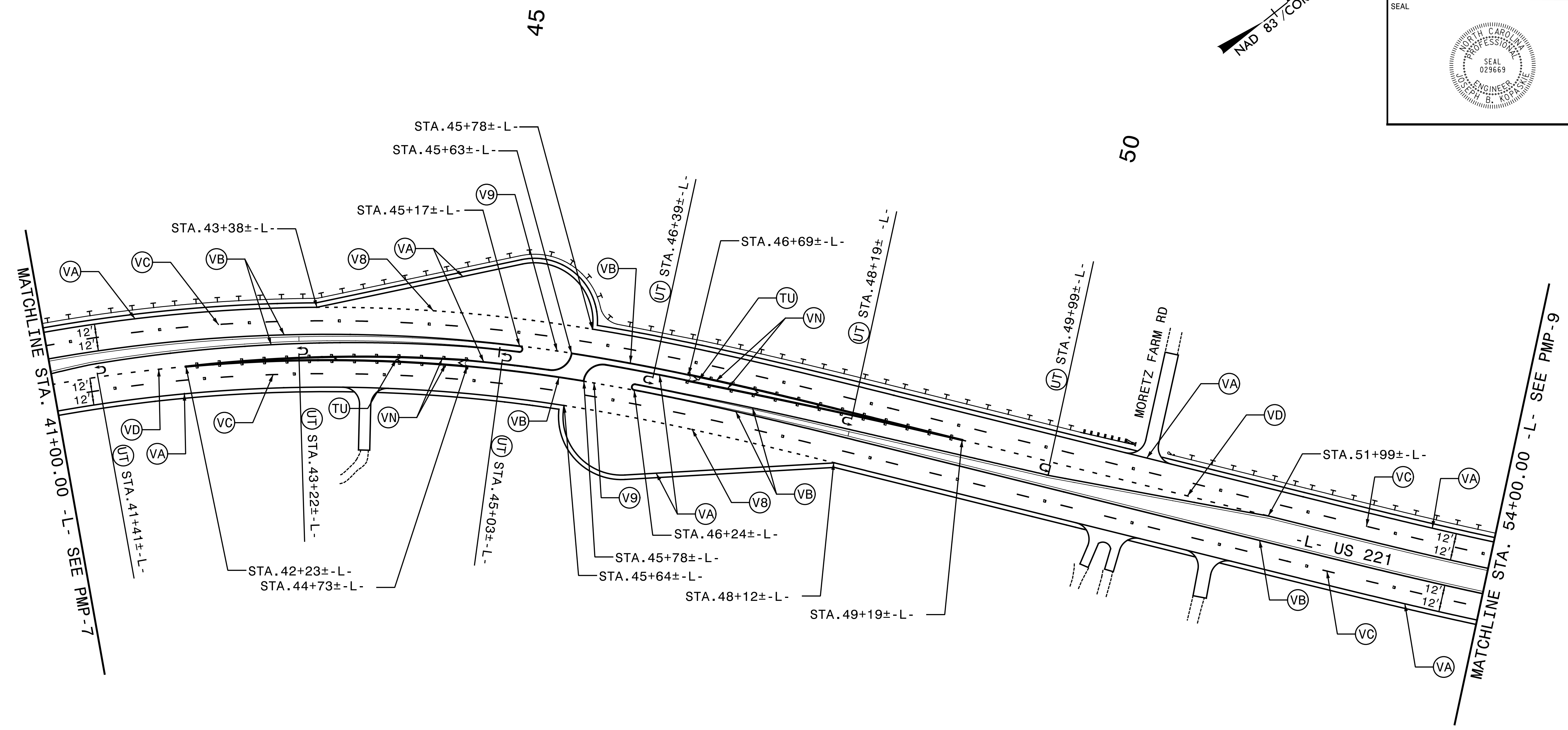
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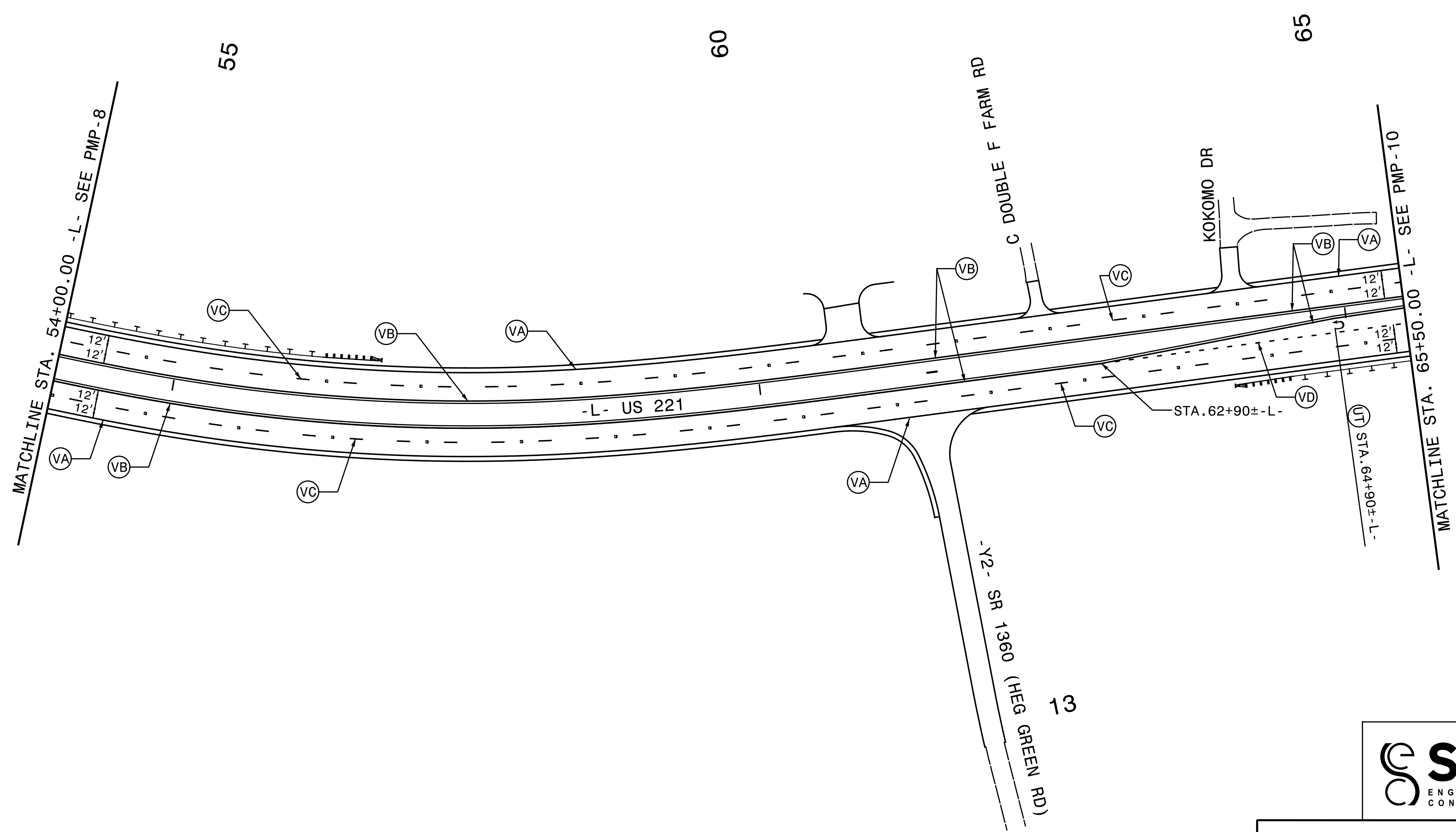
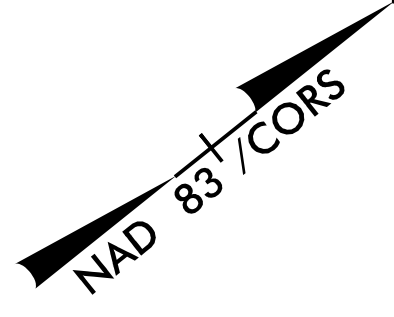
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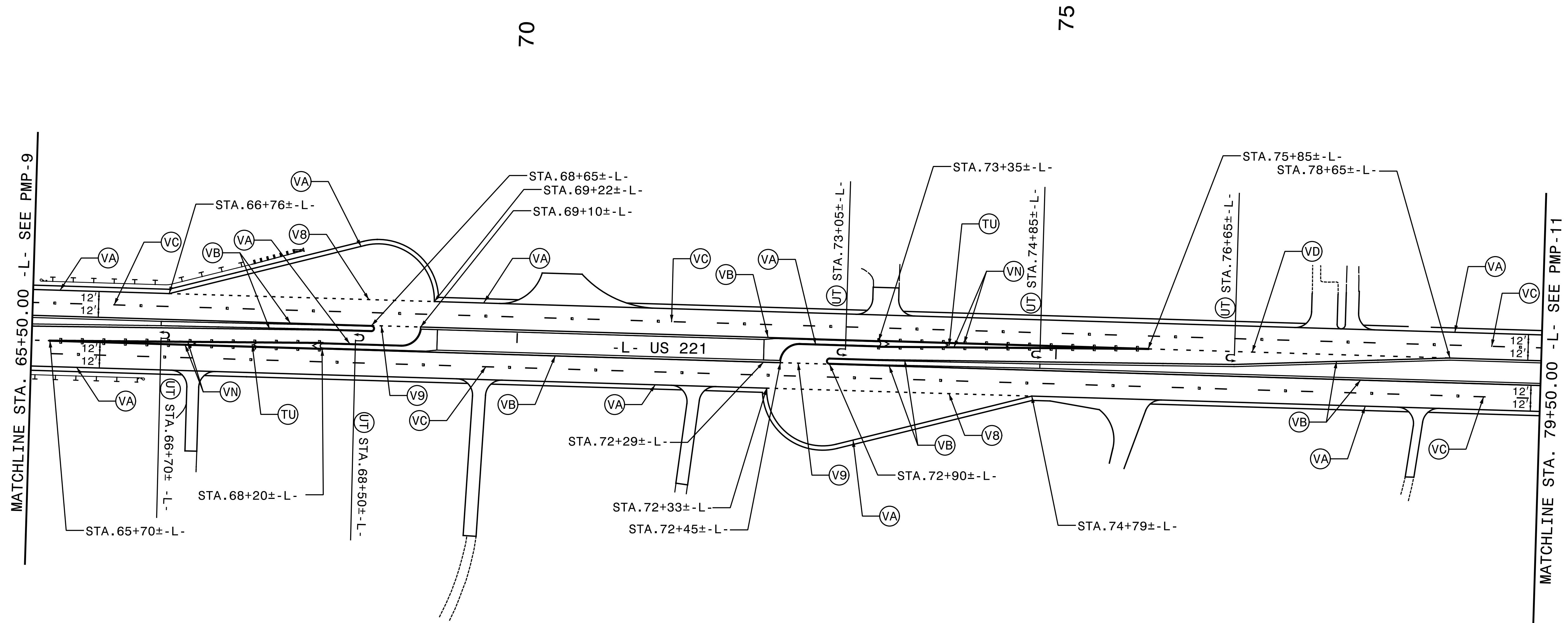
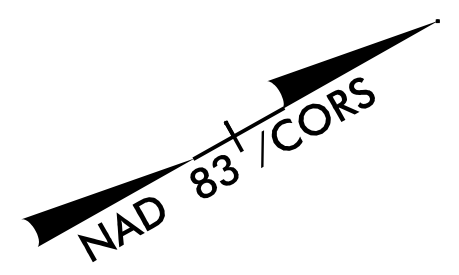


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APPROVED: <i>Joseph Kopaskie</i> <small>SC08EAEF80A54FA</small>	
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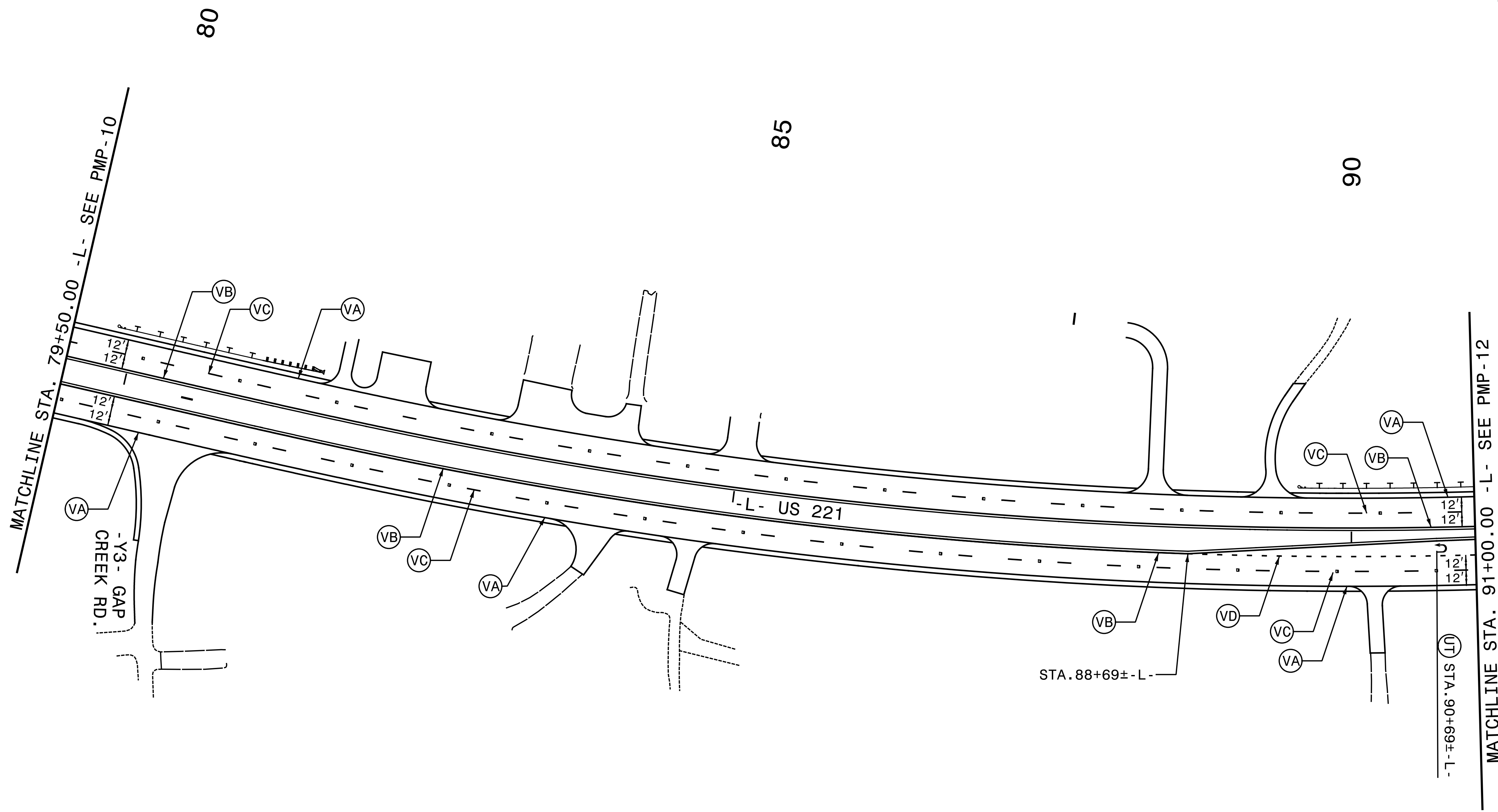
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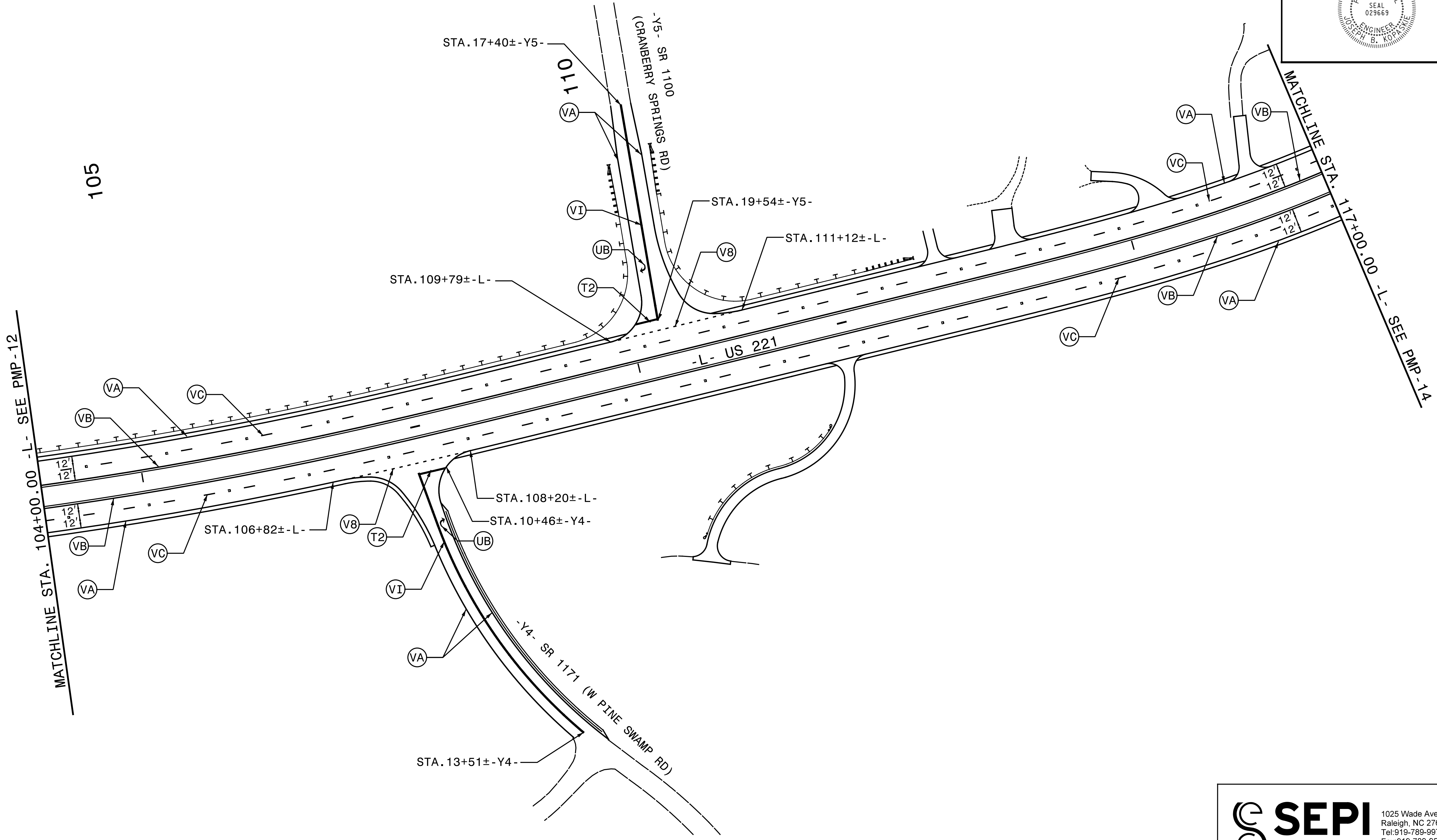




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APPROVED: <i>Joseph Kopasnik</i> <small>SC04EAEF80A5AFA</small>	
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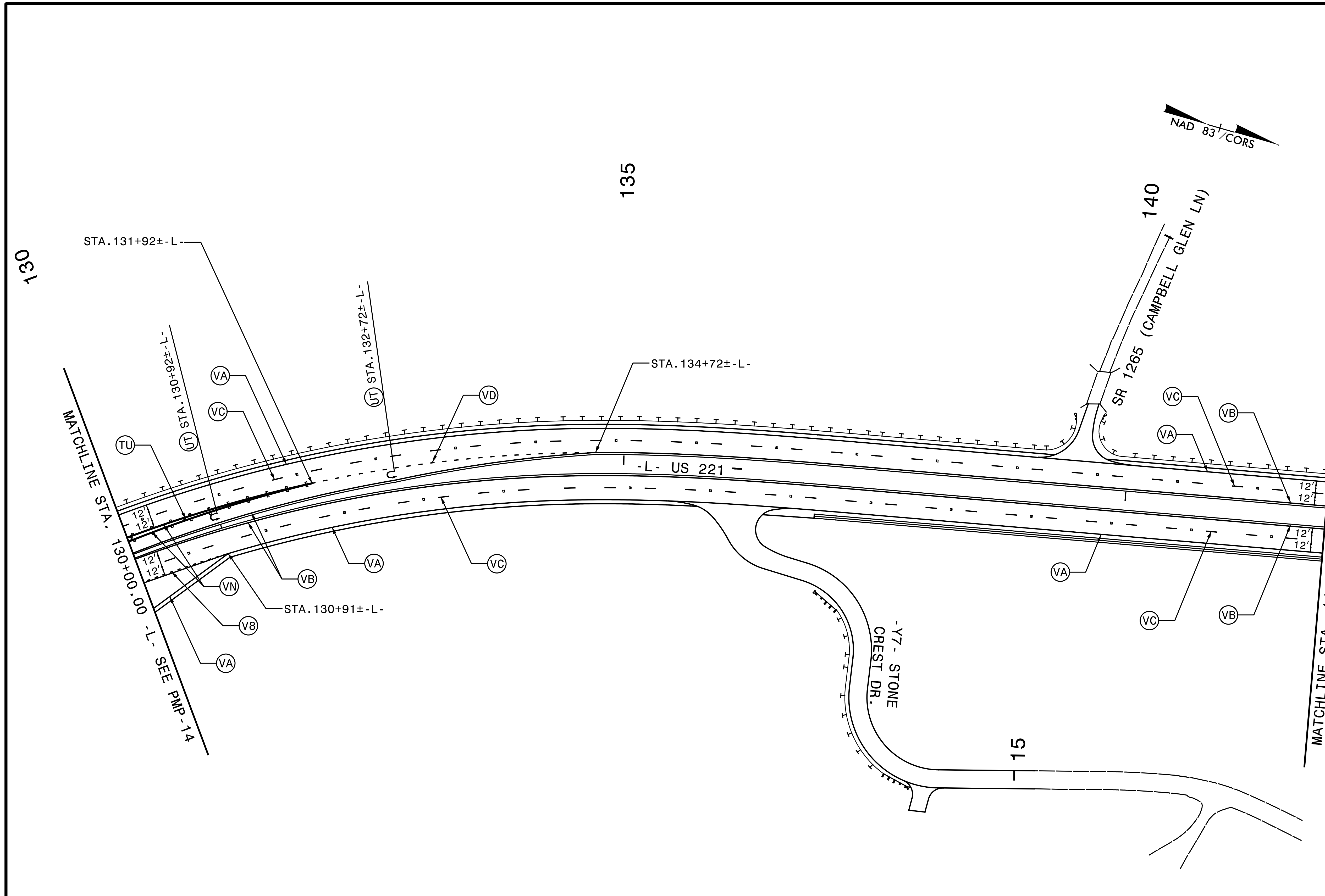
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# PAVEMENT MARKING DETAIL





TIP NO. R-2915A	SHEET NO. PMP-15
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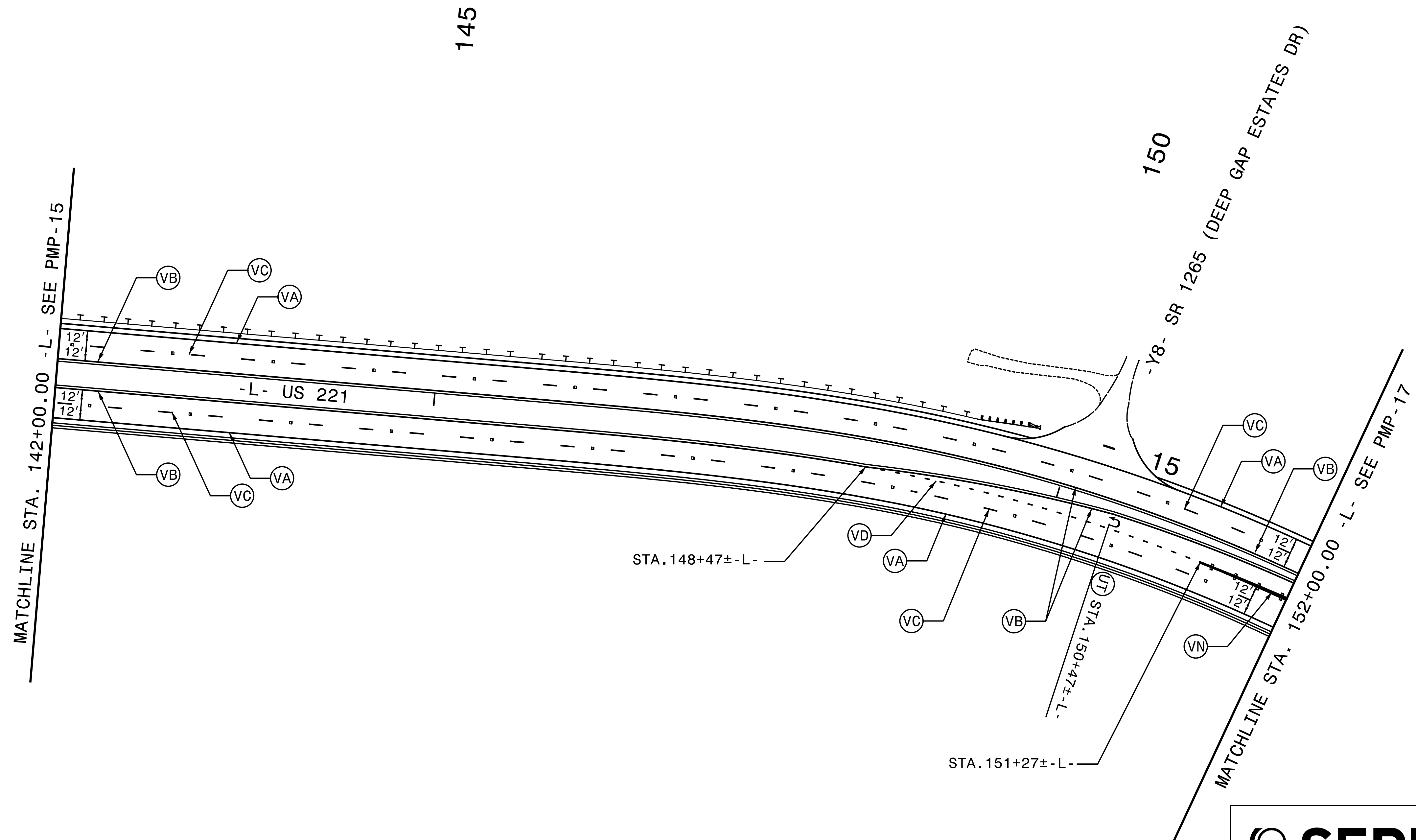
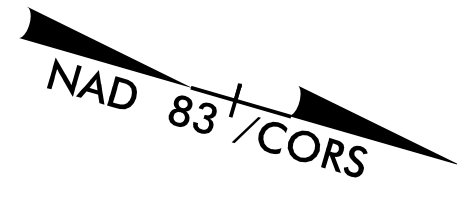


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PAVEMENT MARKING DETAIL



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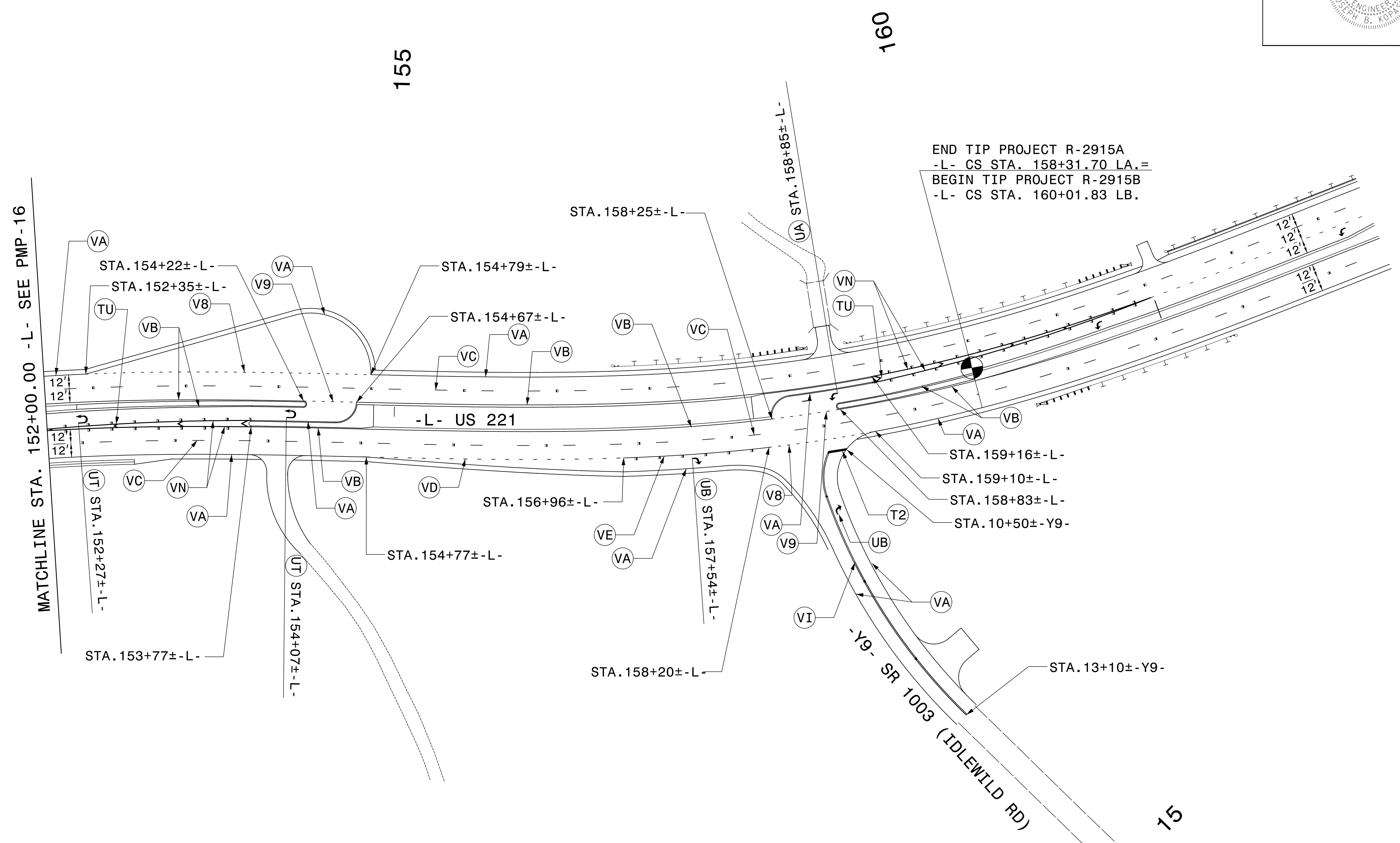
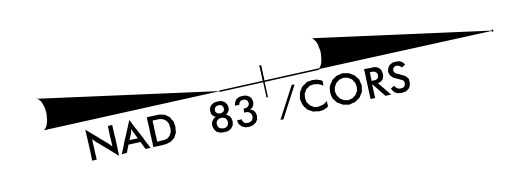
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TIP NO. R-2915A	SHEET NO. PMP-17
APPROVED: <i>Joseph Kopasnik</i> <small>DocuSigned by: Joseph Kopasnik 8C0DEAEF80A54FA</small>	
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# PAVEMENT MARKING DETAIL