


TIP NO.	SHEET NO.
R-3421A	PMP-1
APPROVED: <i>Andrew D. Klinksieck</i> <small>E3D78FB486E44B</small>	
DATE: 7/5/2019	
	
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**STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLAN  
RICHMOND COUNTY**

**LOCATION: US 220 BYPASS FROM US 74 BYPASS WEST OF  
ROCKINGHAM AT SR 1109 (ZION CHURCH RD.)  
INTERCHANGE TO 0.3 MILES SOUTH OF SR 1140  
(OLD CHARLOTTE HWY.)**

**T.I.P.: R-3421A**

**CONTRACT: C204368**

**ROADWAY STANDARD DRAWING**

THE FOLLOWING ROADWAY STANDARDS AS APPEAR IN "ROADWAY STANDARD DRAWINGS" - CONTRACT STANDARDS AND DEVELOPMENT UNIT - 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
1205.03	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
1205.13	PAVEMENT MARKINGS - LANE REDUCTIONS
1250.01	RAISED PAVEMENT MARKERS - INSTALLATION SPACING
1251.01	RAISED PAVEMENT MARKERS - PERMANENT AND TEMPORARY
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
1267.01	FLEXIBLE DELINEATORS - INSTALLATION
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:
 

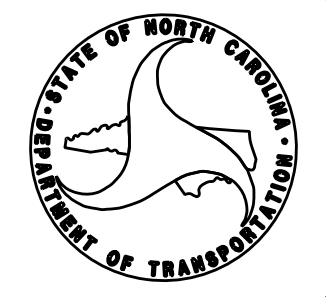
ROAD NAME	MARKING	MARKER
ALL ROADS	THERMOPLASTIC	SNOWPLOWABLE
CONCRETE BRIDGE DECKS	COLD APPLIED PLASTIC	RAISED
- B) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.
- C) REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS AND MARKERS.
- D) PASSING ZONES WILL BE DETERMINED IN THE FIELD AND MUST BE APPROVED BY THE ENGINEER.
- E) REMOVE ALL RESIDUE AND SURFACE LAITANCE BY ACCEPTABLE METHODS ON CONCRETE BRIDGE DECKS PRIOR TO PLACING COLD APPLIED PLASTIC PAVEMENT MARKING MATERIAL.
- 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.

**INDEX**

SHEET NO.	DESCRIPTION
PMP-1	PAVEMENT MARKING PLAN TITLE
PMP-1A	PAVEMENT MARKING SCHEDULE
PMP-2-15	PAVEMENT MARKING DETAIL

PLAN PREPARED FOR: N.C.D.O.T. SIGNING AND DELINEATION UNIT

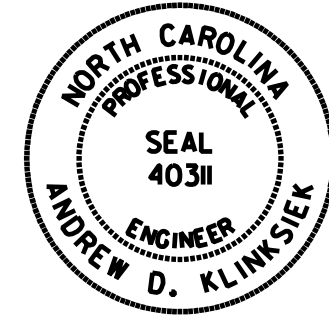
Ayman Alqudwah, PE SIGNING & DELINEATION REGIONAL ENGINEER  
Matthew Tracey, PE SIGNING & DELINEATION PROJECT DESIGN ENGINEER/TECHNICIAN



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

A.D. Klinksieck, PE, PTOE PROJECT ENGINEER  
J.A. Wagner, PE DESIGN ENGINEER

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TIP NO. R-3421A	SHEET NO. PMP-1A
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## FINAL PAVEMENT MARKING SCHEDULE

MATERIAL	SYMBOL	DESCRIPTION
<b>PAVEMENT MARKING</b>		
<u>COLD APPLIED PLASTIC, TYPE II (6")</u>		
	C6	WHITE EDGELINE
	C7	YELLOW EDGELINE
	CJ	10 FT. WHITE SKIP
	CK	3 FT.-9 FT./SP WHITE MINISKIP
<u>THERMOPLASTIC (6", 90 MILS)</u>		
	T6	WHITE EDGELINE
	T7	YELLOW EDGELINE
	T11	2 FT.-6 FT./SP WHITE MINISKIP
	TJ	10 FT. WHITE SKIP
	TK	3 FT.-9 FT./SP WHITE MINISKIP
	TL	WHITE SOLID LANE LINE
<u>THERMOPLASTIC (12", 90 MILS)</u>		
	T14	3 FT.-9 FT./SP WHITE MINISKIP
	TS	WHITE GORELINE
	TT	WHITE SOLID LANE LINE
<u>THERMOPLASTIC PAVEMENT MARKING SYMBOLS (90 MILS)</u>		
	UA	LEFT TURN ARROW
	UB	RIGHT TURN ARROW
	UC	STRAIGHT ARROW
	UE	COMBO RIGHT/STRAIGHT
	UP	MERGE ARROW
<u>THERMOPLASTIC PAVEMENT MARKING CHARACTER (90 MILS)</u>		
	UI	ALPHANUMERIC CHAR.
<u>RAISED PAVEMENT MARKERS (NOT SHOWN)</u>		
	MB	CRYSTAL & RED
<u>SNOWPLOWABLE PAVEMENT MARKERS (NOT SHOWN)</u>		
	MF	CRYSTAL & RED

### LEGEND

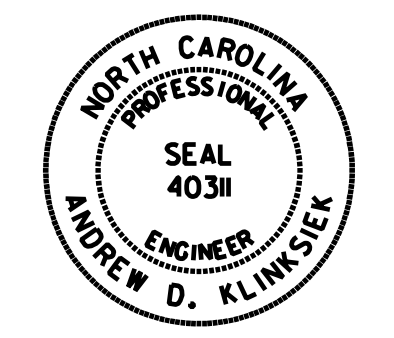
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- DIRECTION OF TRAFFIC FLOW
  - NORTH ARROW
  - PROPOSED PVMT.    EXIST. PVMT.

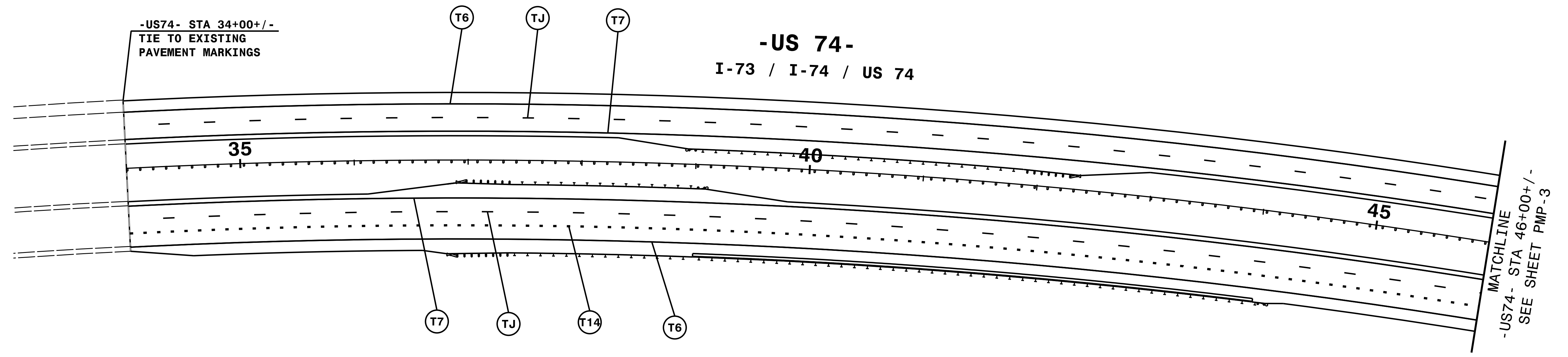
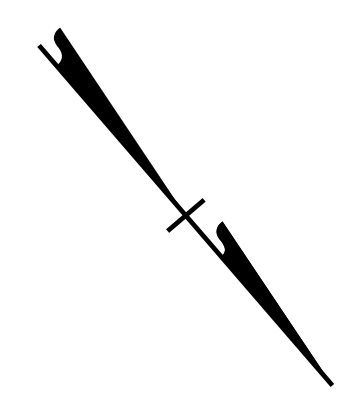
- PAVEMENT MARKINGS**
- PAVEMENT MARKING SYMBOLS
  - ONLY PAVEMENT MARKING CHARACTERS

**PAVEMENT MARKING SYMBOLS**

	UA		UP
	UB	ONLY	UI
	UC		UE

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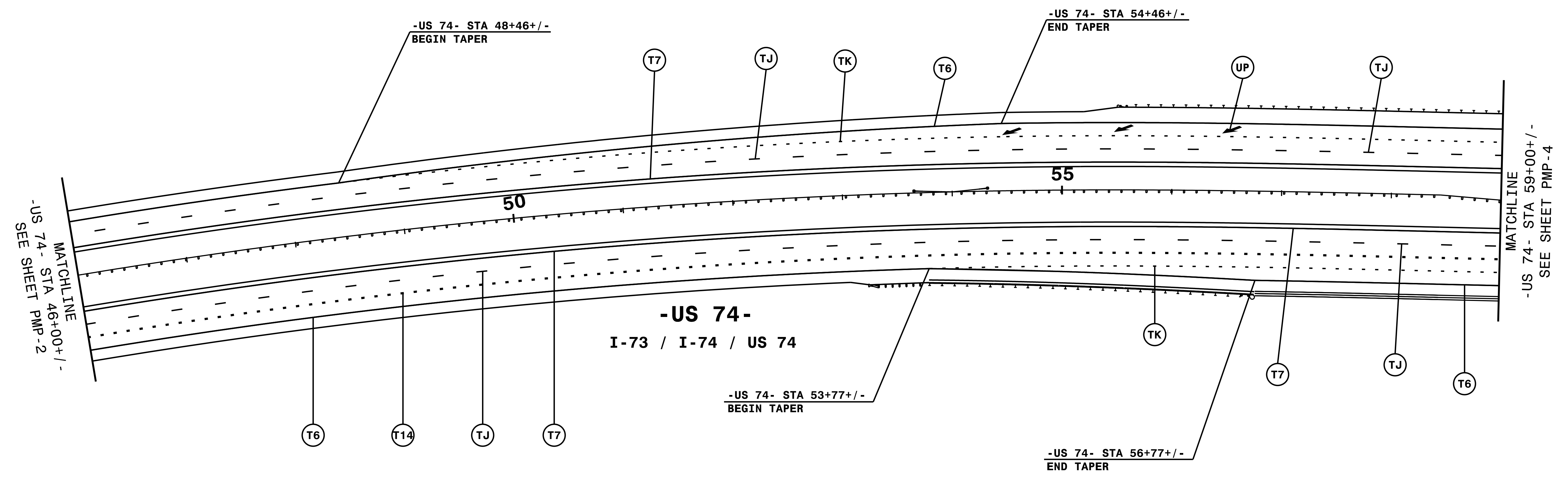
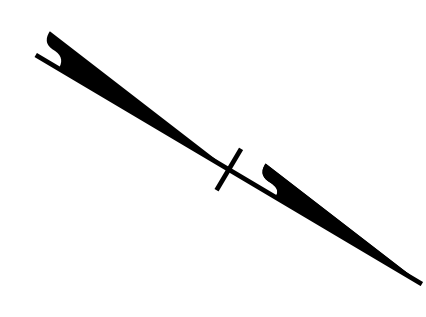
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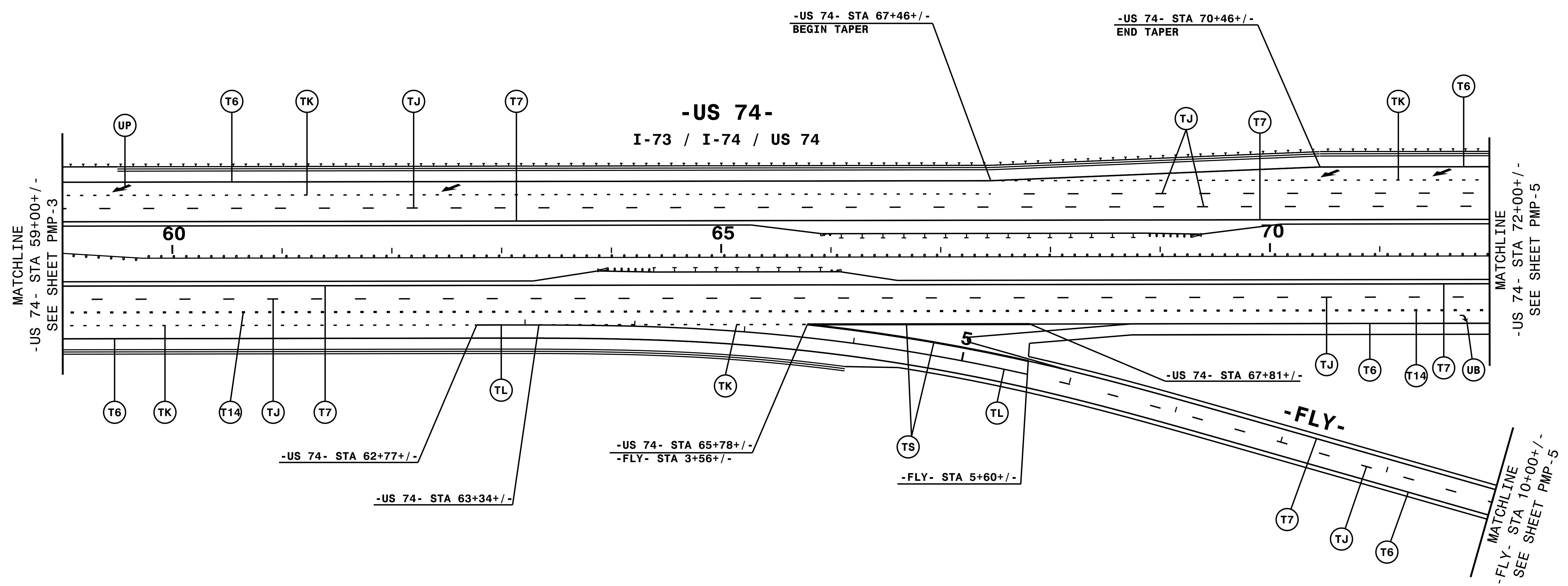
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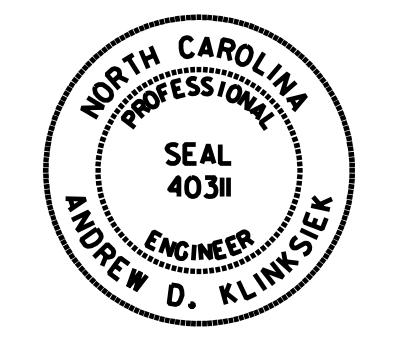


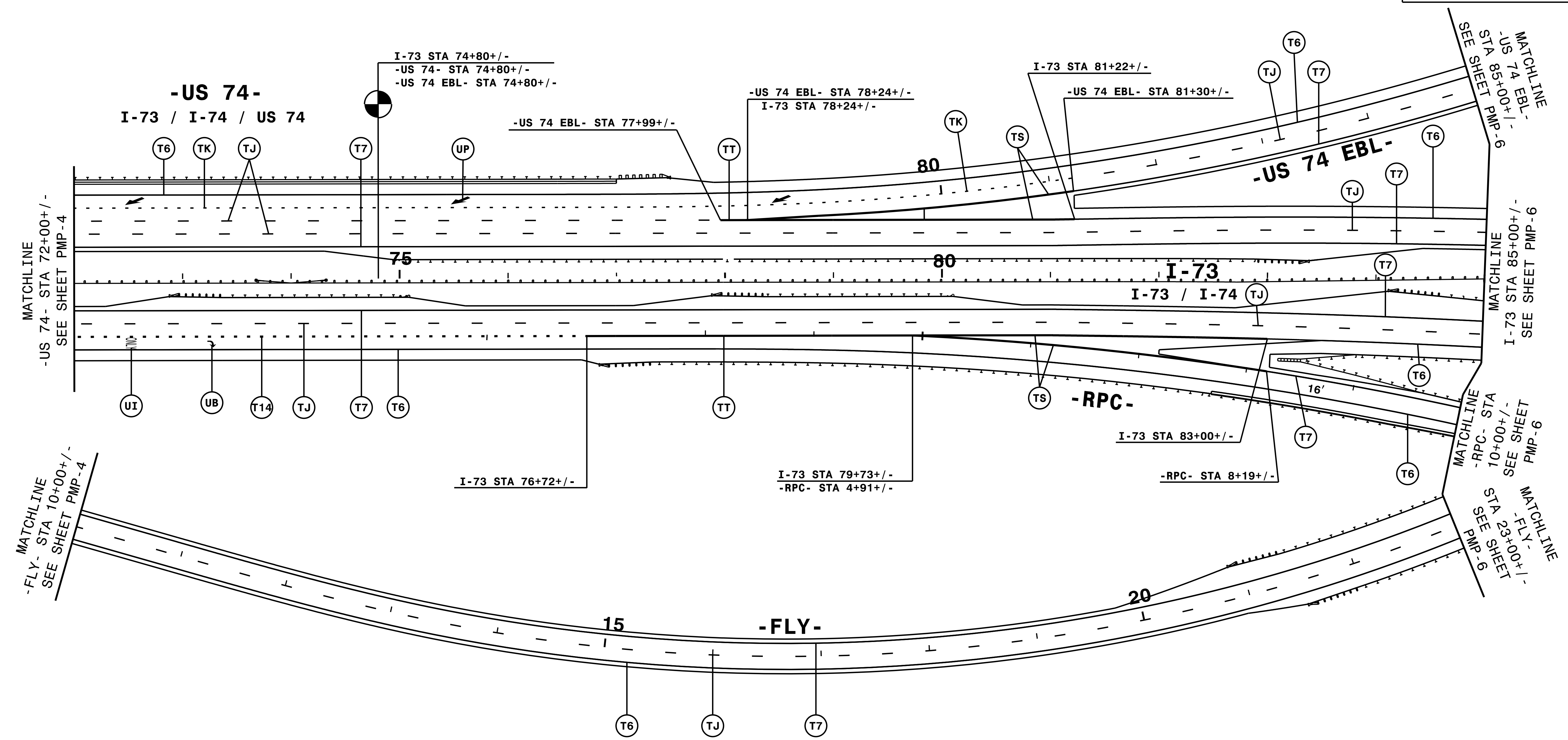
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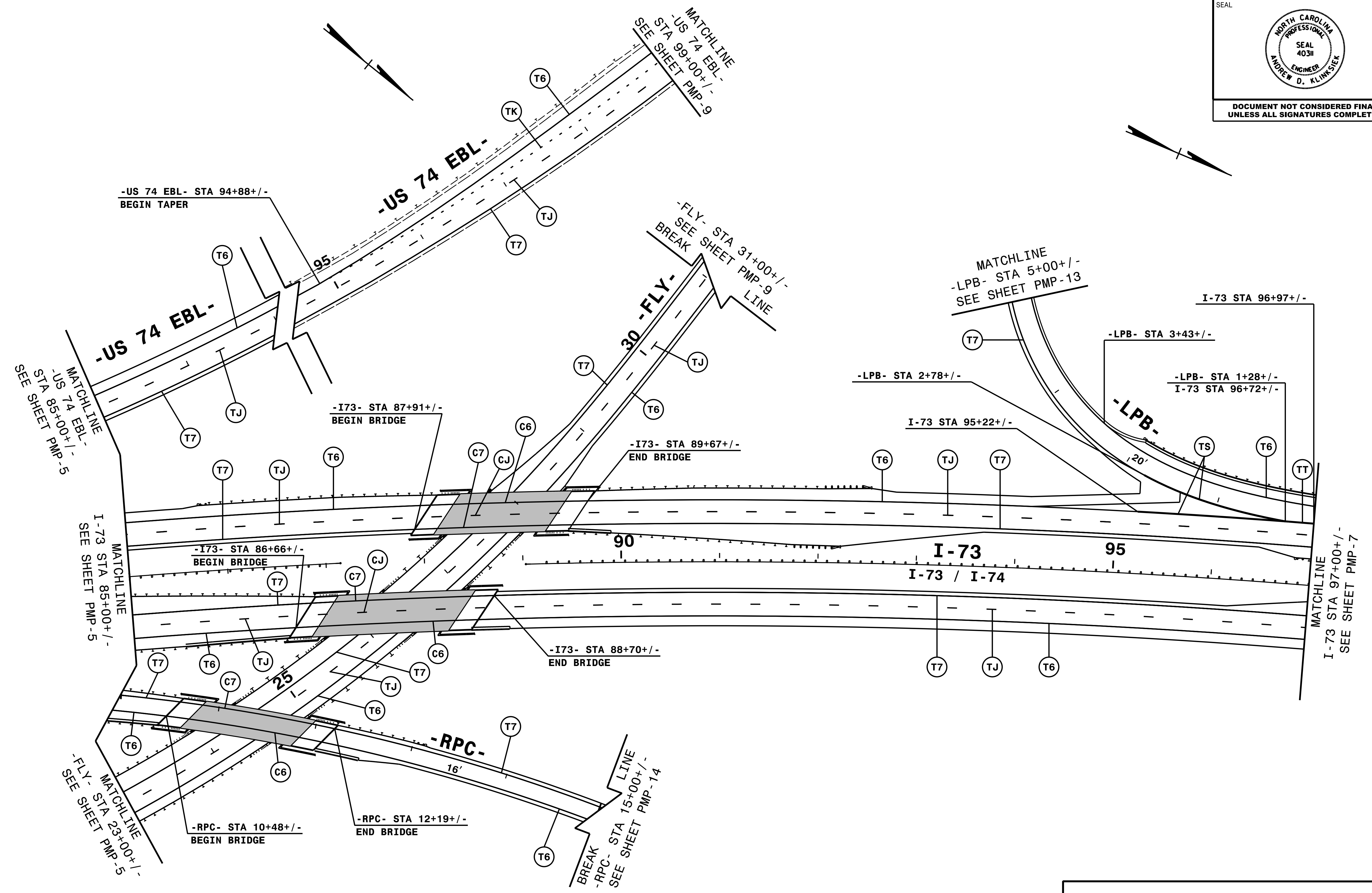
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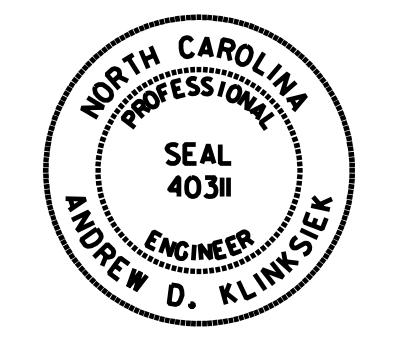


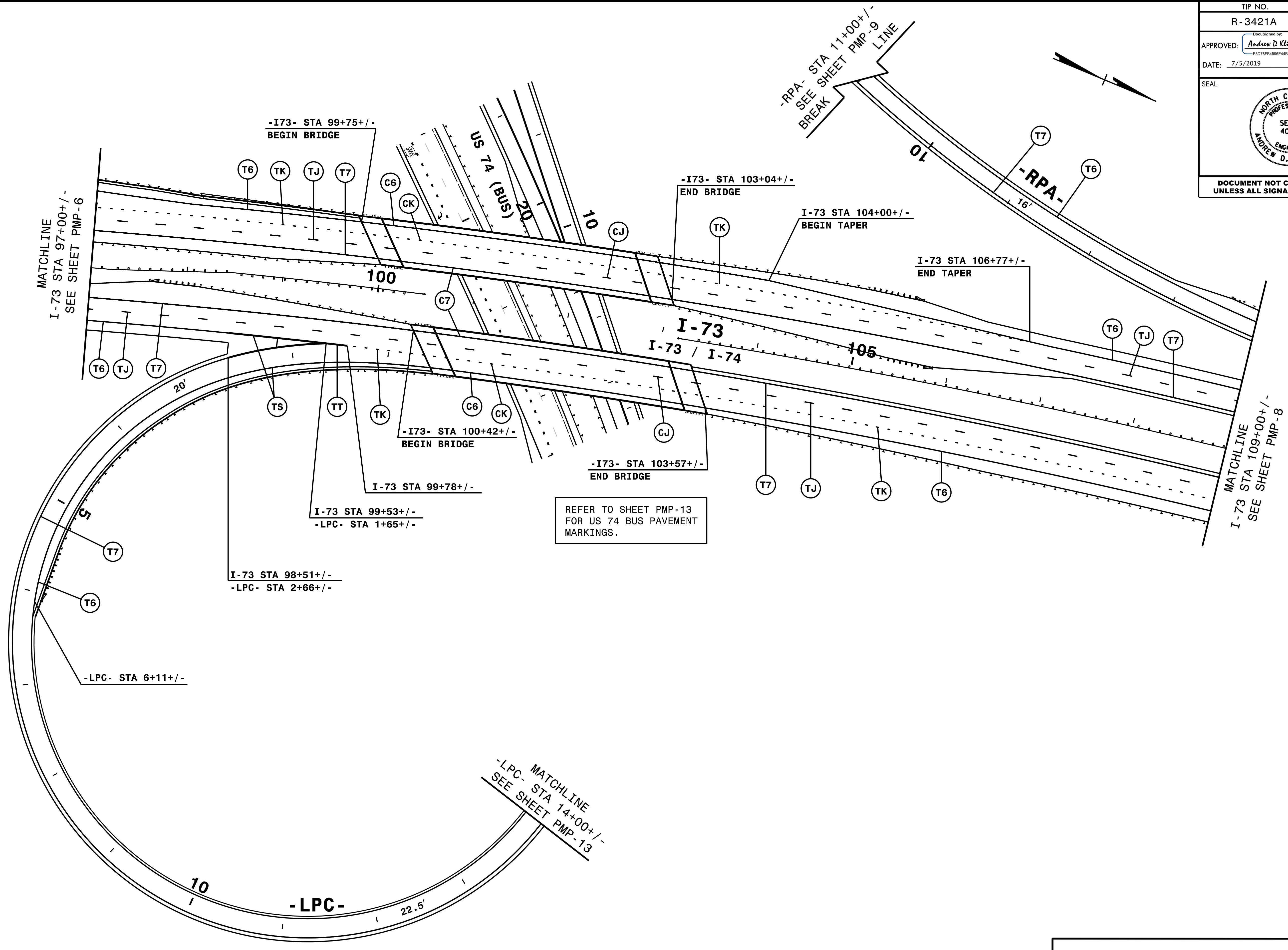
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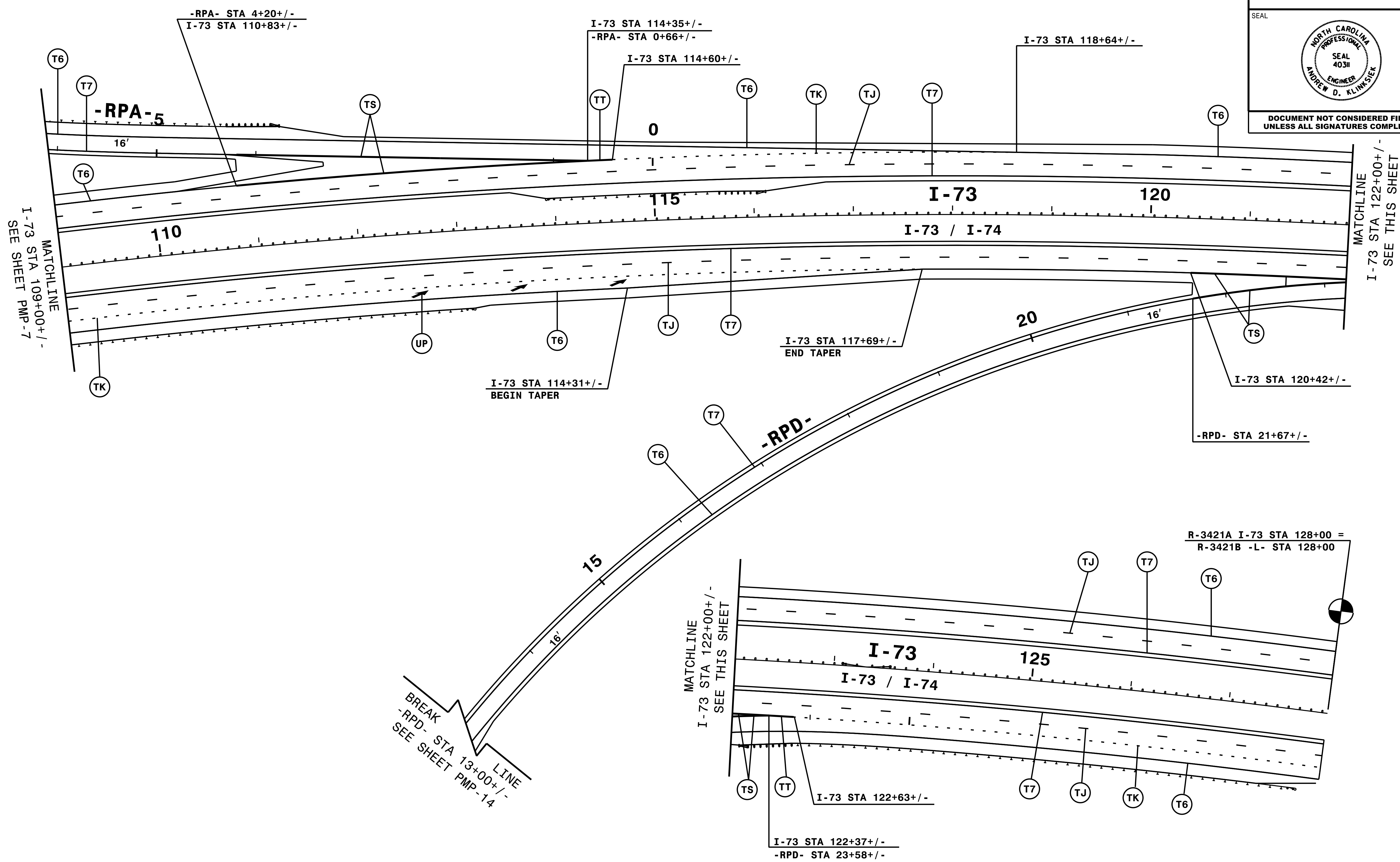
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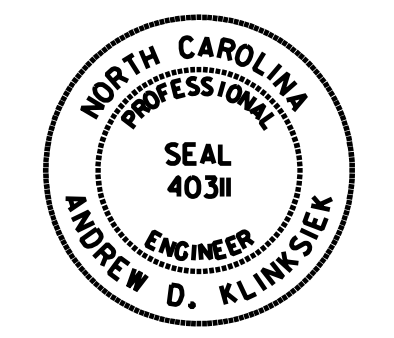


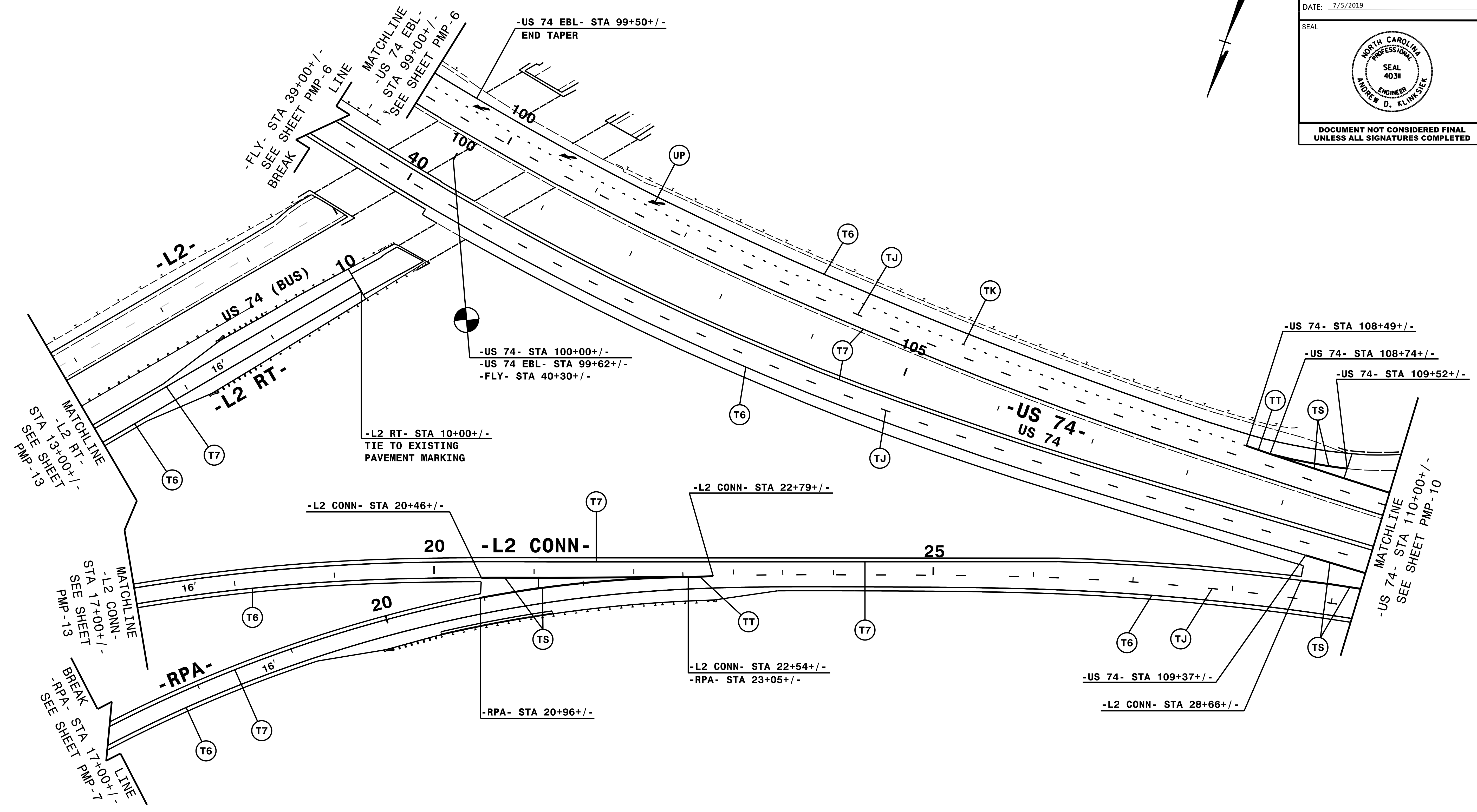
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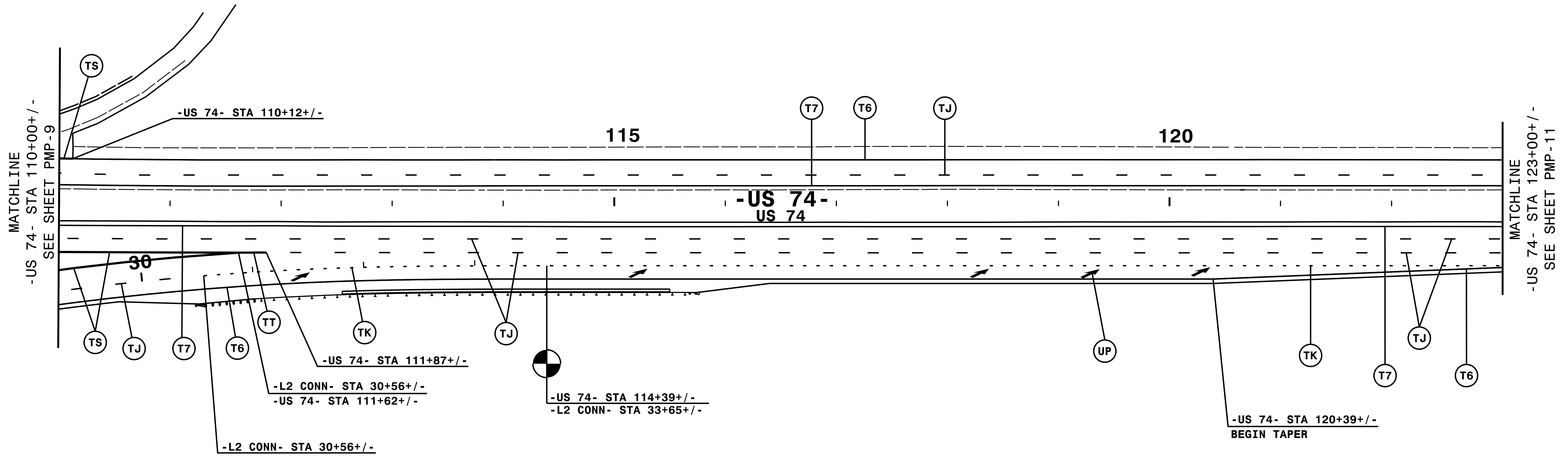
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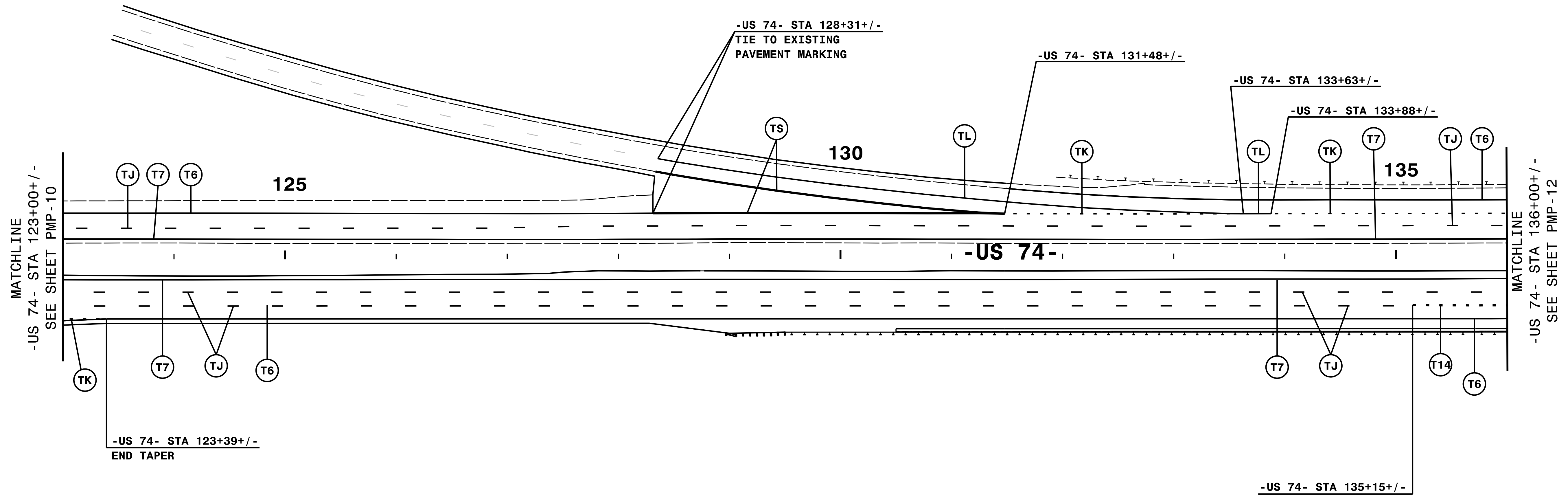
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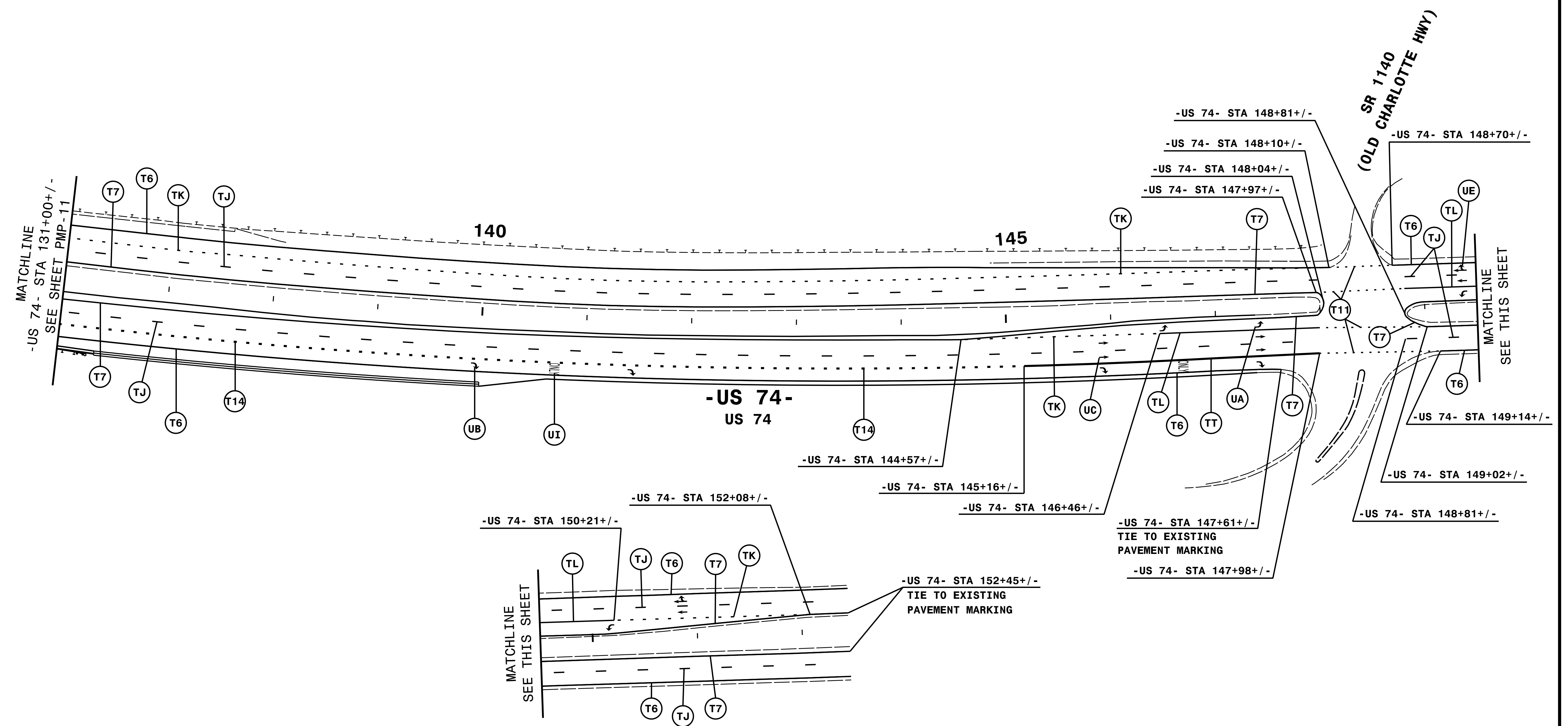
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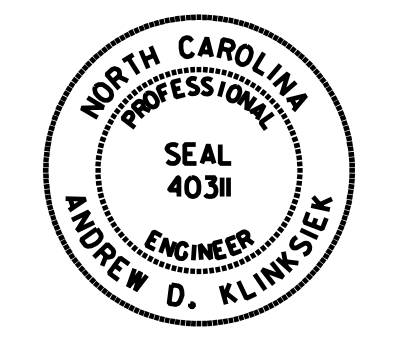
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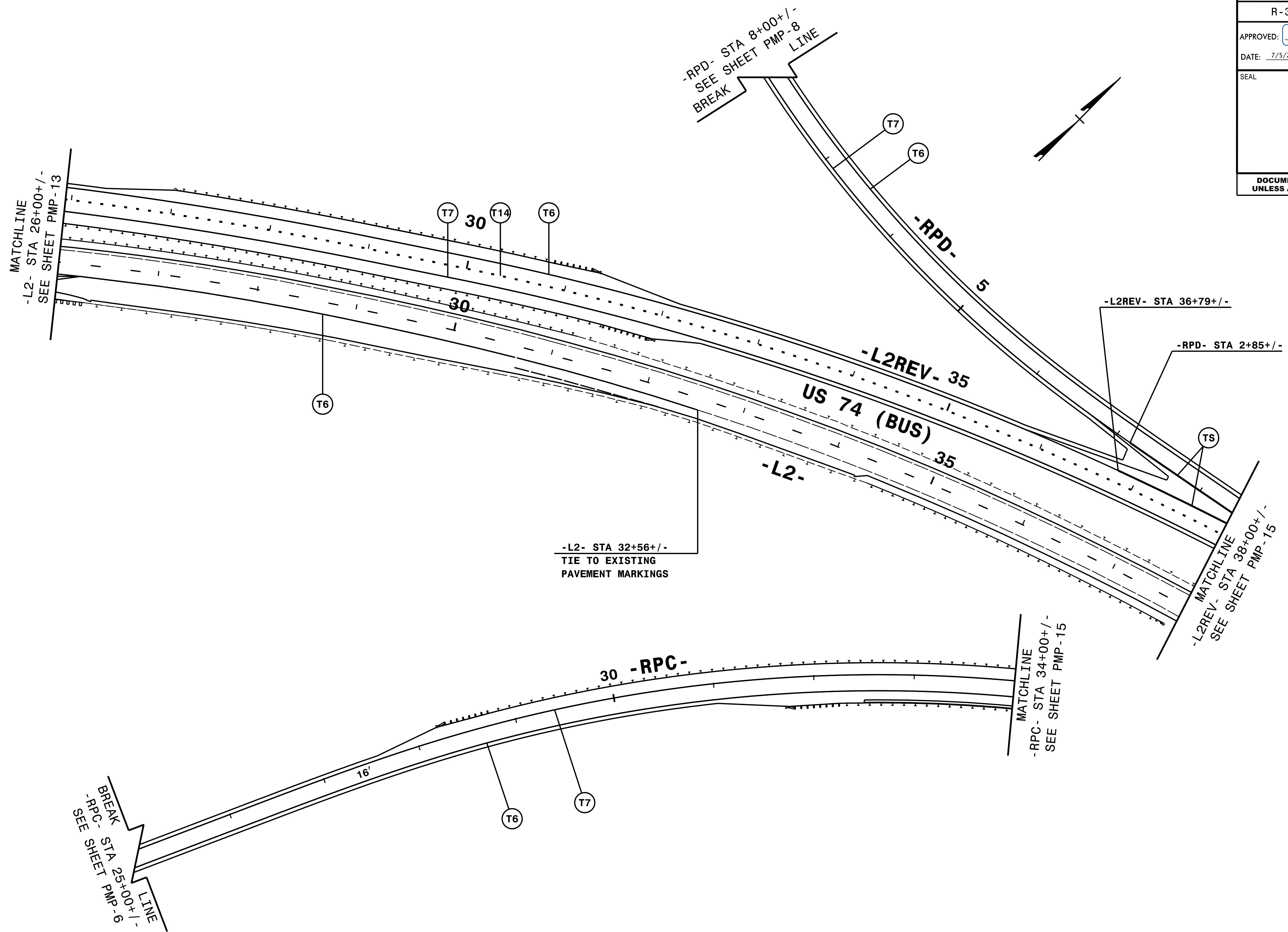
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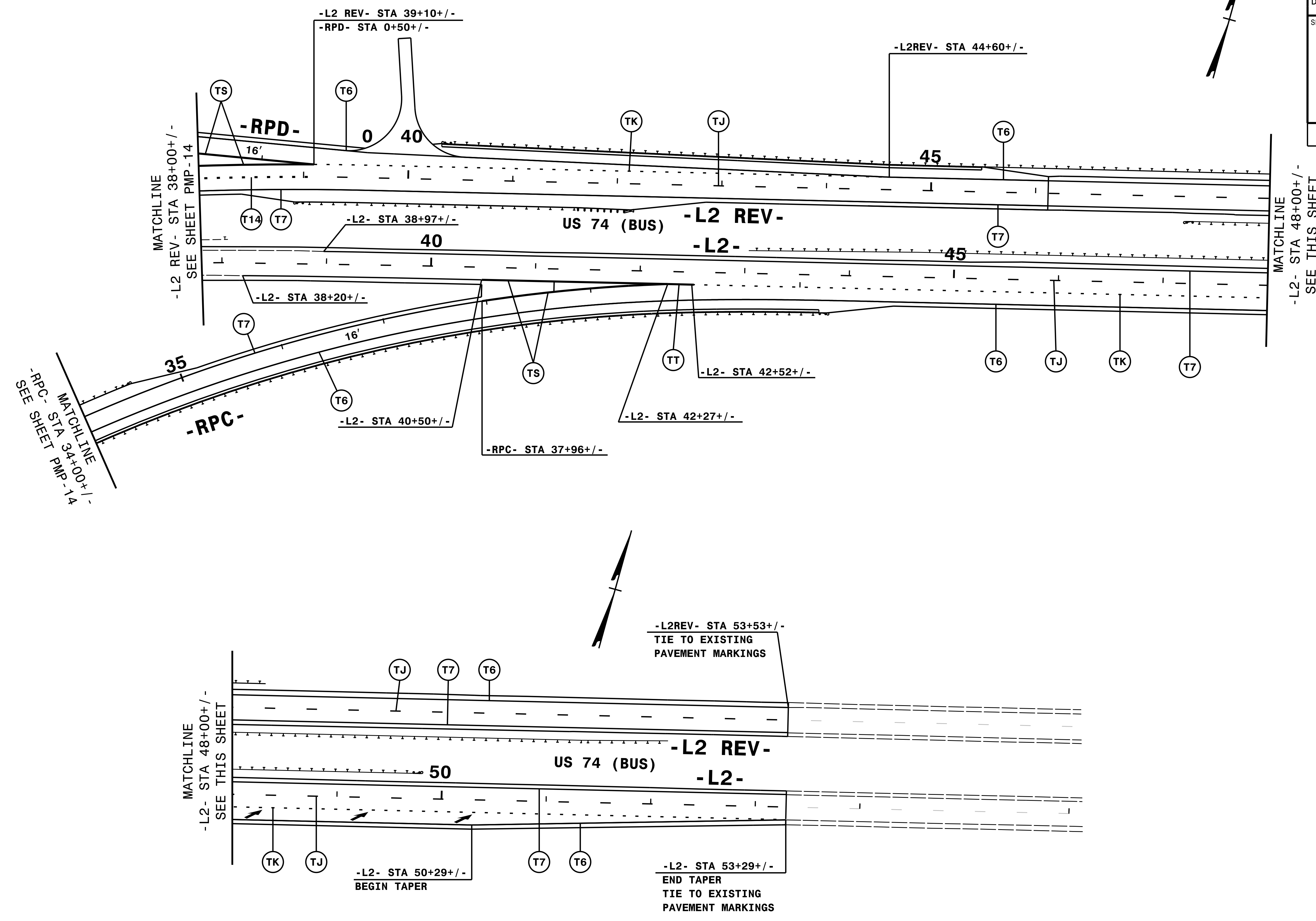
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