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CONTRACT: C204421
T.I.P.: R-4463A

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING PLAN
CRAVEN COUNTY

LOCATION: NC 43 CONNECTOR FROM
US 70 TO US 17 BUSINESS

TIP NO.	SHEET NO.
R - 4463A	PMP - 1
APPROVED: <i>Michael T. Rzepka</i>	
DATE: <u>5/22/2025</u>	
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INDEX

SHEET NO.	DESCRIPTION
PMP-1	PAVEMENT MARKING PLAN TITLE, GENERAL NOTES, ROADWAY STANDARD DRAWINGS, AND INDEX
PMP-1A	PAVEMENT MARKING SCHEDULE
PMP-1B	PAVEMENT MARKING REVISED RSD
PMP-2 THRU PMP-15	PAVEMENT MARKING DETAILS

ROADWAY STANDARD DRAWING

THE FOLLOWING ROADWAY STANDARDS AS APPEAR IN "ROADWAY STANDARD DRAWINGS"
- N.C. DEPARTMENT OF TRANSPORTATION - RALEIGH, N.C., DATED JANUARY 2024
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 MULTI-LANE ROADWAYS
1205.03	PAVEMENT MARKINGS - EXIT AND ENTRANCE RAMPS
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
1205.17	PAVEMENT MARKINGS - SIDE-BY-SIDE/ADJACENT ON/OFF RAMPS
1250.01	RAISED PAVEMENT MARKERS - INSTALLATION SPACING (SEE PMP-1B FOR REVISED SHEET 2 OF 3)
1251.01	RAISED PAVEMENT MARKERS - PERMANENT AND TEMPORARY
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

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.

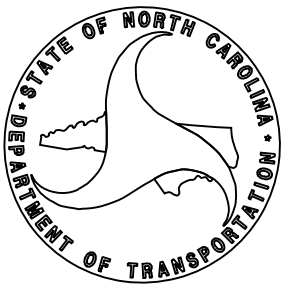
- A) INSTALL PAVEMENT MARKINGS AND PAVEMENT MARKERS ON THE FINAL SURFACE
AS FOLLOWS:

ROAD NAME	MARKING	MARKER
-L- (NC 43) -Y1- (US 17 BUS) US 70 RAMP & LOOP	THERMOPLASTIC	POLYCARBONATE H-SHAPED SNOWFLOWABLE
ALL OTHER ROADS	THERMOPLASTIC	MATCH EXISTING
BRIDGE DECKS	INTEGRATED MULTIPOLYMER PAVEMENT MARKING	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) 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.

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

D. EATON, P.E. _____ SIGNING & DELINEATION STANDARDS ENGINEER
_____ SIGNING & DELINEATION PROJECT DESIGN ENGINEER



PLAN PREPARED BY: HDR ENGINEERING, INC. OF THE CAROLINAS

MIKE RZEPKA, P.E. _____ SIGNING & DELINEATION PROJECT DESIGN ENGINEER
CHRIS HARNDEN _____ SIGNING & DELINEATION PROJECT DESIGN TECHNICIAN



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TIP NO.	SHEET NO.
R - 4463A	PMP - 1A
APPROVED: <i>Michael T. Rzepka</i>	
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PAVEMENT MARKING SCHEDULE

T1	THERMOPLASTIC 4" WHITE EDGE LINE (90 MIL)	T70	THERMOPLASTIC LEFT TURN ARROW (90 MIL)
T2	THERMOPLASTIC 4" WHITE SOLID LANE LINE (90 MIL)	T71	THERMOPLASTIC RIGHT TURN ARROW (90 MIL)
T3	THERMOPLASTIC 4" 10'-30'/SP. WHITE SKIP (90 MIL)	T72	THERMOPLASTIC STRAIGHT ARROW (90 MIL)
T4	THERMOPLASTIC 4" 3'-9'/SP. WHITE MINI-SKIP (90 MIL)	T73	THERMOPLASTIC COMBO LEFT-STRAIGHT ARROW (90 MIL)
T5	THERMOPLASTIC 4" 2'-6'/SP. WHITE MINI-SKIP (90 MIL)	T74	THERMOPLASTIC COMBO RIGHT-STRAIGHT ARROW (90 MIL)
T10	THERMOPLASTIC 4" YELLOW EDGE LINE (90 MIL)	T80	THERMOPLASTIC RAMP ARROW (90 MIL)
T13	THERMOPLASTIC 4" YELLOW DOUBLE CENTER (90 MIL)	T81	THERMOPLASTIC ELONGATED STRAIGHT ARROW (90 MIL)
T14	THERMOPLASTIC 4" 2'-6'/SP. YELLOW MINI-SKIP (90 MIL)	T100	THERMOPLASTIC ALPHANUMERIC CHARACTER (90 MIL)
T20	THERMOPLASTIC 6" WHITE EDGE LINE (90 MIL)	T103	THERMOPLASTIC 24" YIELD LINE TRIANGLE (90 MIL)
T21	THERMOPLASTIC 6" WHITE SOLID LANE LINE (90 MIL)		
T22	THERMOPLASTIC 6" 10'-30'/SP. WHITE SKIP (90 MIL)	IM1	IMP 4" WHITE EDGE LINE (20 MIL)
T23	THERMOPLASTIC 6" 3'-9'/SP. WHITE MINI-SKIP (90 MIL)	IM3	IMP 4" 10'-30'/SP. WHITE SKIP (20 MIL)
T30	THERMOPLASTIC 6" YELLOW EDGE LINE (90 MIL)	IM4	IMP 4" 3'-9'/SP. WHITE MINI-SKIP (20 MIL)
T40	THERMOPLASTIC 8" WHITE GORE LINE (90 MIL)	IM10	IMP 4" YELLOW EDGE LINE (20 MIL)
T43	THERMOPLASTIC 8" WHITE SOLID LANE LINE (90 MIL)		
T44	THERMOPLASTIC 8" 3'-9'/SP. WHITE MINI-SKIP (90 MIL)	MB	PERMANENT RAISED MARKER - CRYSTAL & RED
T46	THERMOPLASTIC 8" WHITE CROSSWALK LINE (90 MIL)	ME	POLY. H-SHAPED SNOWPLOWABLE MARKER - YELLOW & YELLOW
T50	THERMOPLASTIC 12" WHITE GORE LINE (90 MIL)	MF	POLY. H-SHAPED SNOWPLOWABLE MARKER - CRYSTAL & RED
T51	THERMOPLASTIC 12" WHITE DIAGONAL (90 MIL)		
T61	THERMOPLASTIC 24" WHITE STOP BAR (90 MIL)		

PAVEMENT MARKING DETAIL

10'-30'/SP SKIP LINE

10'-30'/SP SKIP LINE

3'-9'/SP MINI-SKIP LINE

3'-9'/SP MINI-SKIP LINE

LEGEND

- CRYSTAL/RED PAVEMENT MARKER
- YELLOW/YELLOW PAVEMENT MARKER
- DIRECTION OF TRAFFIC FLOW

GORE LINES

GORE LINES

YELLOW CENTER LINES

REFER TO SPACING CHART FOR SPACING REDUCTIONS

YELLOW CENTER LINES

DETAIL OF PAVEMENT MARKER PLACEMENT

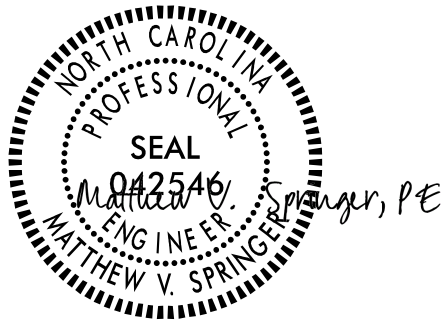
RAISED REFLECTIVE PAVEMENT MARKERS

RAISED REFLECTIVE PAVEMENT MARKERS

STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

ROADWAY DETAIL DRAWING FOR
RAISED PAVEMENT MARKERS
INSTALLATION SPACING

SHEET 2 OF 3
1250D01



5/22/2025

CONTRACTS STANDARDS
AND DEVELOPMENT UNIT
Office 919-707-8950 FAX 919-250-4119

SEE TITLE BLOCK

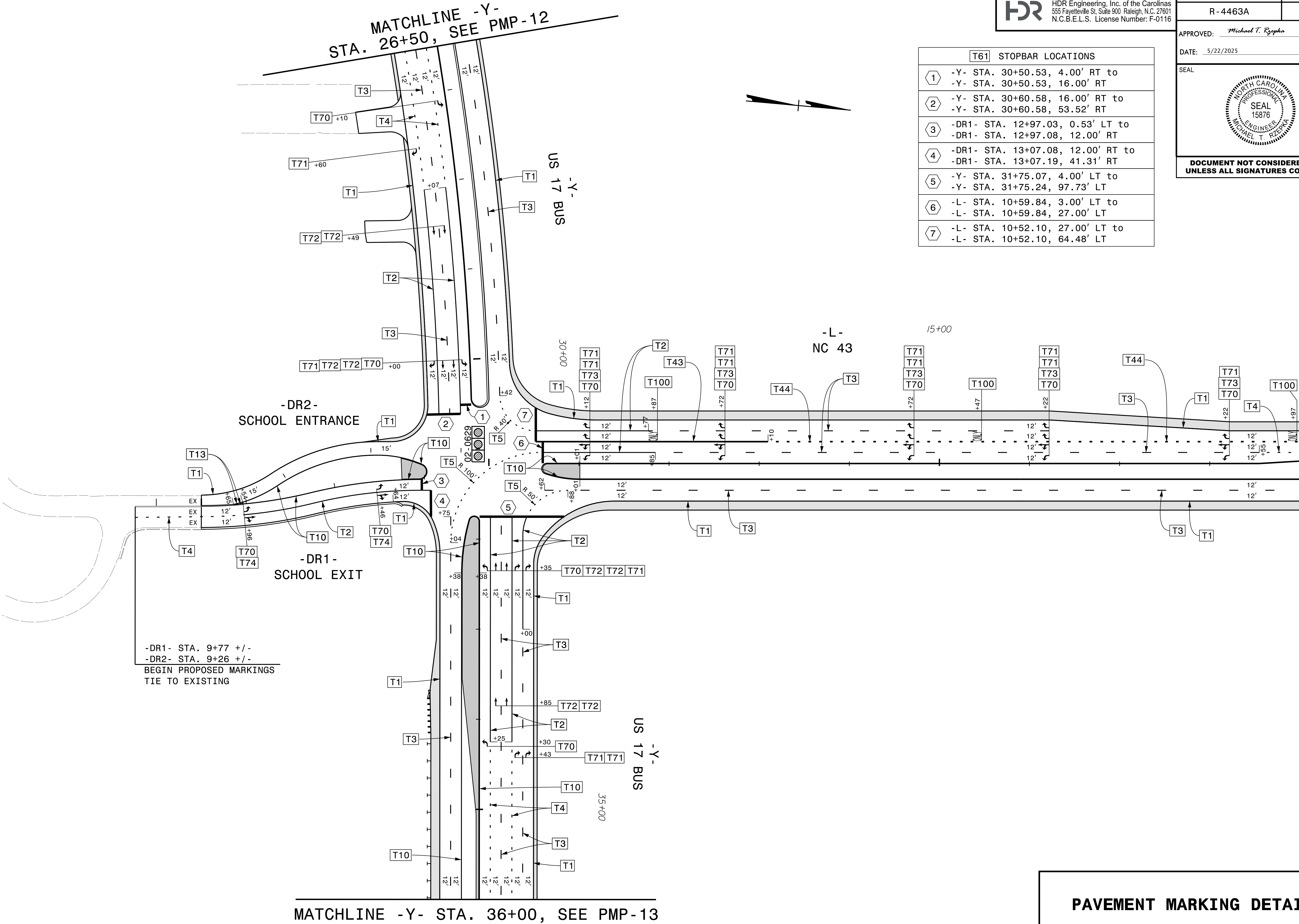
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TIP NO.	SHEET NO.
R - 4463A	PMP - 2
APPROVED: <i>Michael T. Rzepka</i>	
DATE: <u>5/22/2025</u>	
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T61 STOPBAR LOCATIONS	
1	-Y- STA. 30+50.53, 4.00' RT to -Y- STA. 30+50.53, 16.00' RT
2	-Y- STA. 30+60.58, 16.00' RT to -Y- STA. 30+60.58, 53.52' RT
3	-DR1- STA. 12+97.03, 0.53' LT to -DR1- STA. 12+97.08, 12.00' RT
4	-DR1- STA. 13+07.08, 12.00' RT to -DR1- STA. 13+07.19, 41.31' RT
5	-Y- STA. 31+75.07, 4.00' LT to -Y- STA. 31+75.24, 97.73' LT
6	-L- STA. 10+59.84, 3.00' LT to -L- STA. 10+59.84, 27.00' LT
7	-L- STA. 10+52.10, 27.00' LT to -L- STA. 10+52.10, 64.48' LT

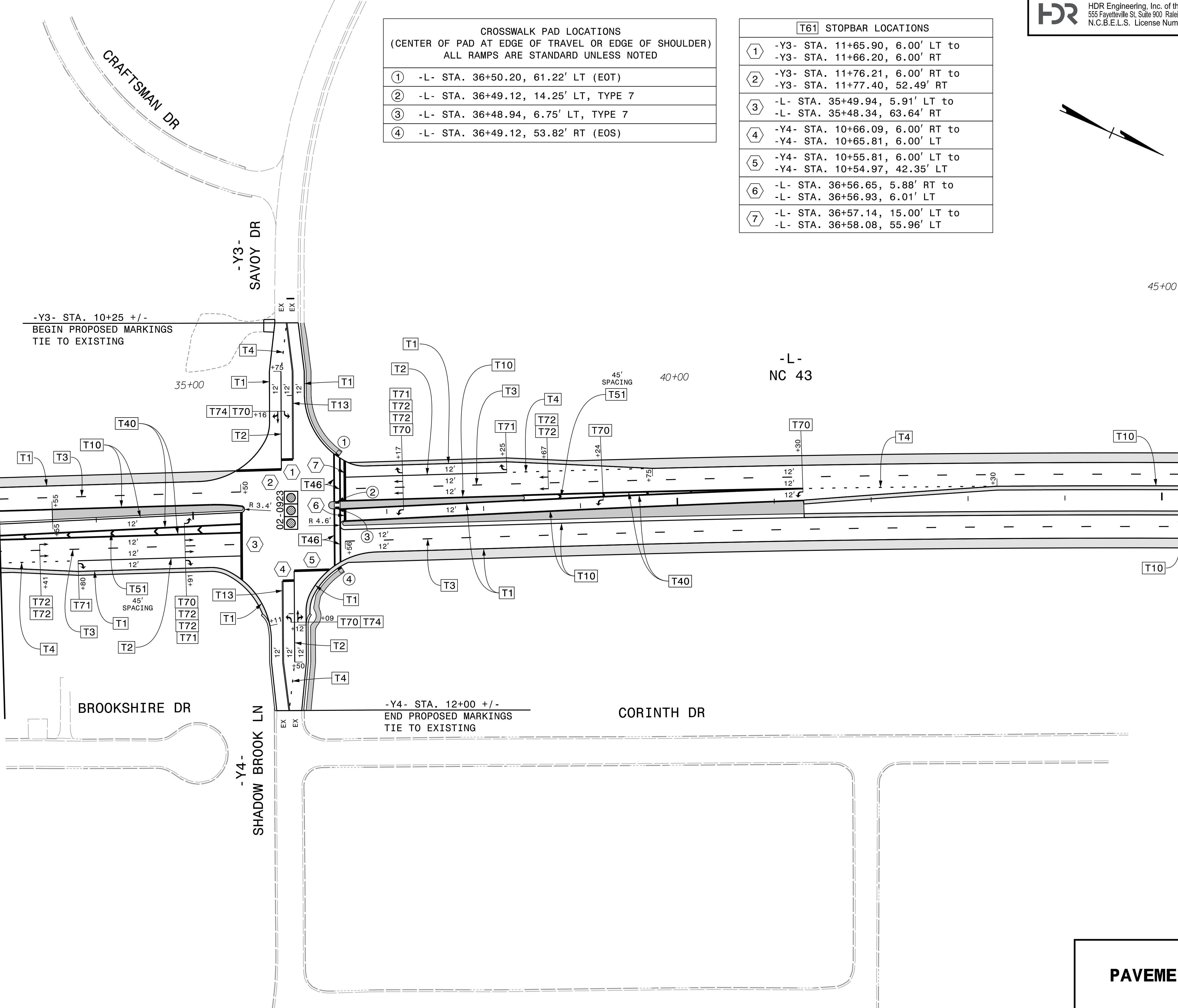


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MATCHLINE -L- STA. 33+00, SEE PMP-3

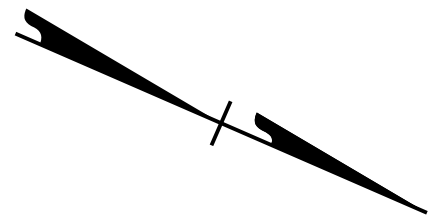
-Y3- STA. 10+25 +/-
BEGIN PROPOSED MARKINGS
TIE TO EXISTING



CROSSWALK PAD LOCATIONS (CENTER OF PAD AT EDGE OF TRAVEL OR EDGE OF SHOULDER) ALL RAMPS ARE STANDARD UNLESS NOTED	
①	-L- STA. 36+50.20, 61.22' LT (EOT)
②	-L- STA. 36+49.12, 14.25' LT, TYPE 7
③	-L- STA. 36+48.94, 6.75' LT, TYPE 7
④	-L- STA. 36+49.12, 53.82' RT (EOS)

T61 STOPBAR LOCATIONS	
①	-Y3- STA. 11+65.90, 6.00' LT to -Y3- STA. 11+66.20, 6.00' RT
②	-Y3- STA. 11+76.21, 6.00' RT to -Y3- STA. 11+77.40, 52.49' RT
③	-L- STA. 35+49.94, 5.91' LT to -L- STA. 35+48.34, 63.64' RT
④	-Y4- STA. 10+66.09, 6.00' RT to -Y4- STA. 10+65.81, 6.00' LT
⑤	-Y4- STA. 10+55.81, 6.00' LT to -Y4- STA. 10+54.97, 42.35' LT
⑥	-L- STA. 36+56.65, 5.88' RT to -L- STA. 36+56.93, 6.01' LT
⑦	-L- STA. 36+57.14, 15.00' LT to -L- STA. 36+58.08, 55.96' LT

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TIP NO.	SHEET NO.
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45+00

-L-
NC 43

-Y4- STA. 12+00 +/-
END PROPOSED MARKINGS
TIE TO EXISTING

CORINTH DR

MATCHLINE -L- STA. 47+00, SEE PMP-5

PAVEMENT MARKING DETAIL

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TIP NO.

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SHEET NO.

PMP - 5

APPROVED:

Michael T. Rzepka

DATE:

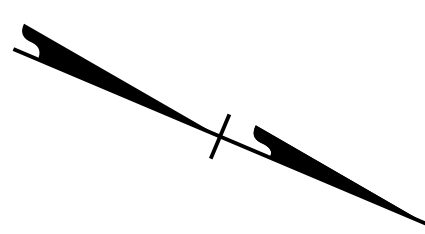
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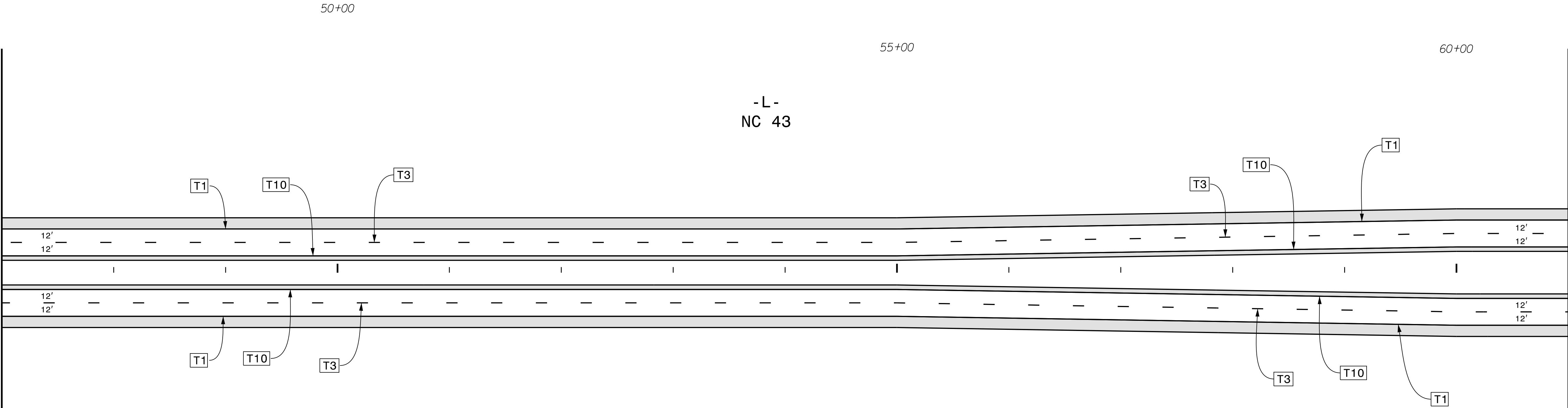


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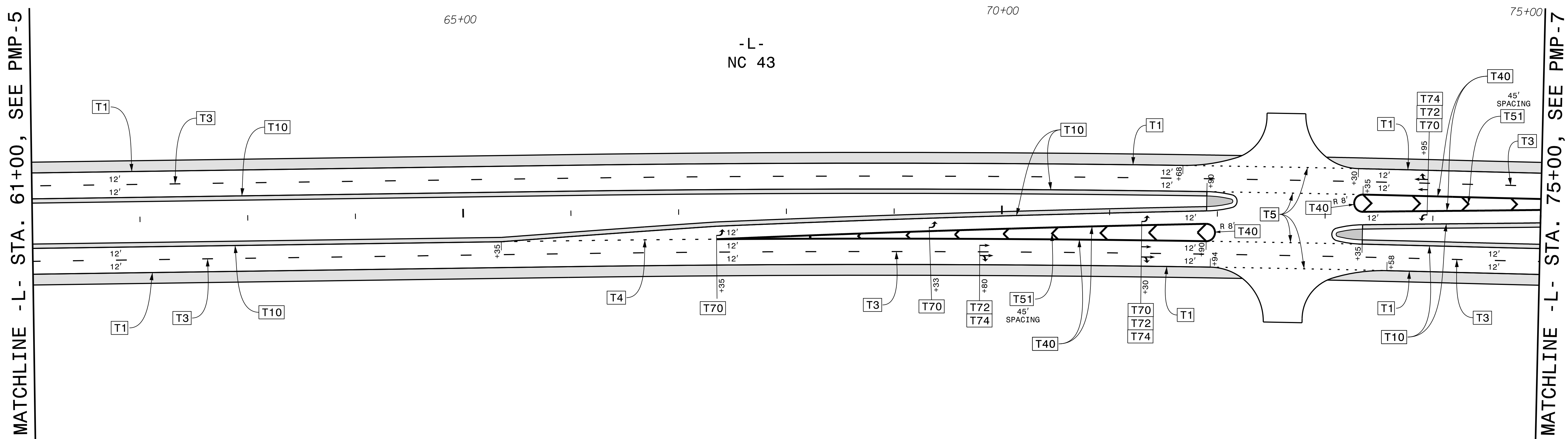


MATCHLINE - L- STA. 47+00, SEE PMP - 4



MATCHLINE - L- STA. 61+00, SEE PMP - 6

PAVEMENT MARKING DETAIL



PAVEMENT MARKING DETAIL

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TIP NO.

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SHEET NO.

PMP - 7

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Michael T. Rzepka

DATE:

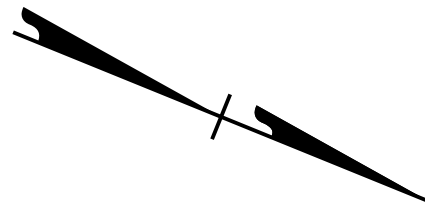
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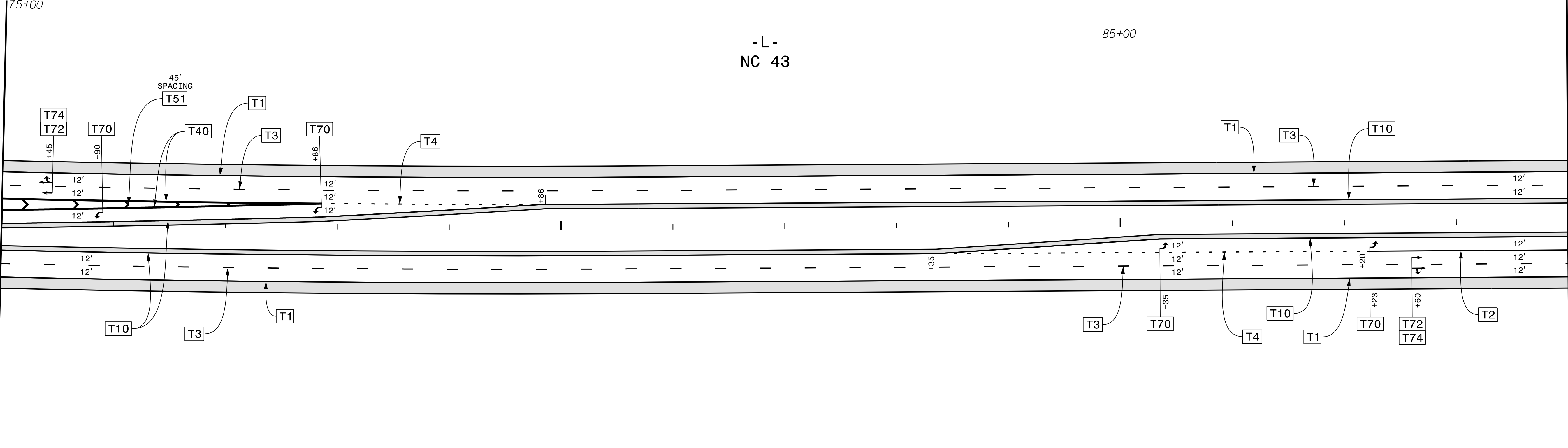


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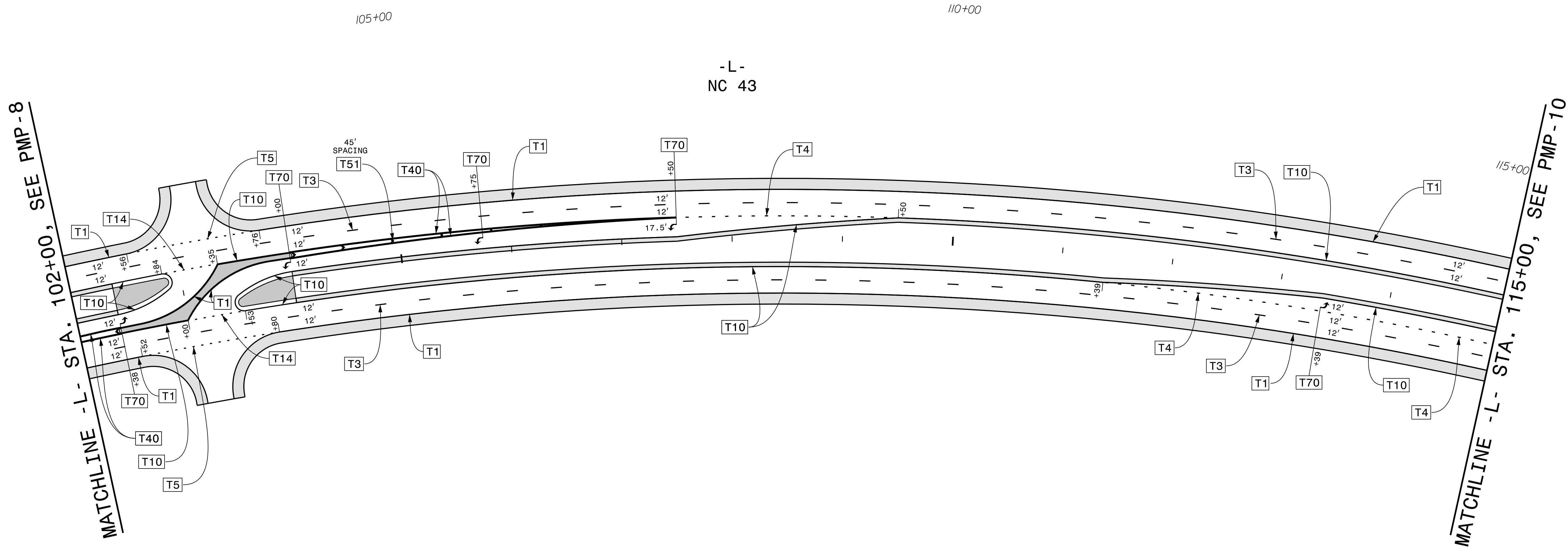


MATCHLINE - L- STA. 75+00, SEE PMP -6



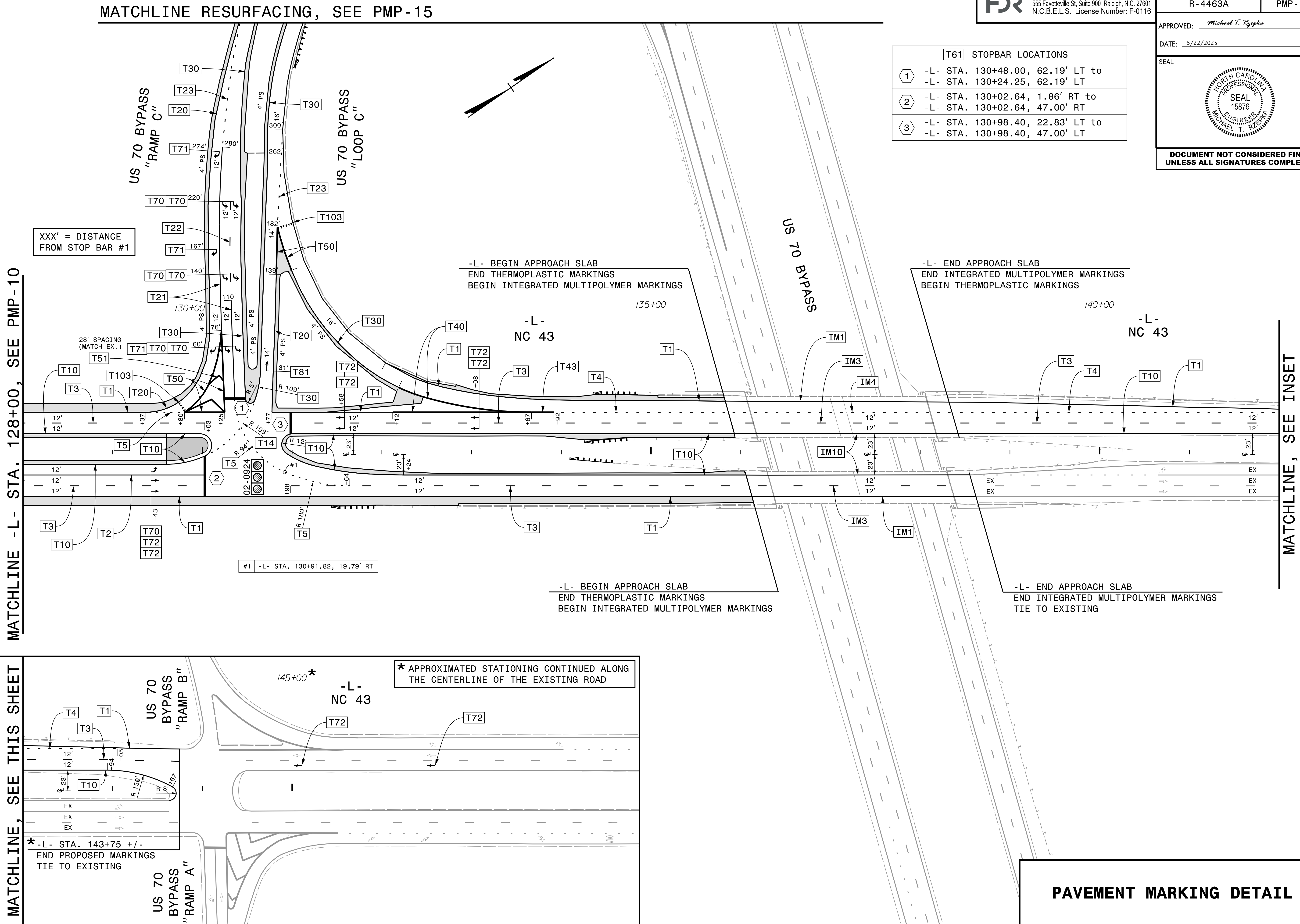
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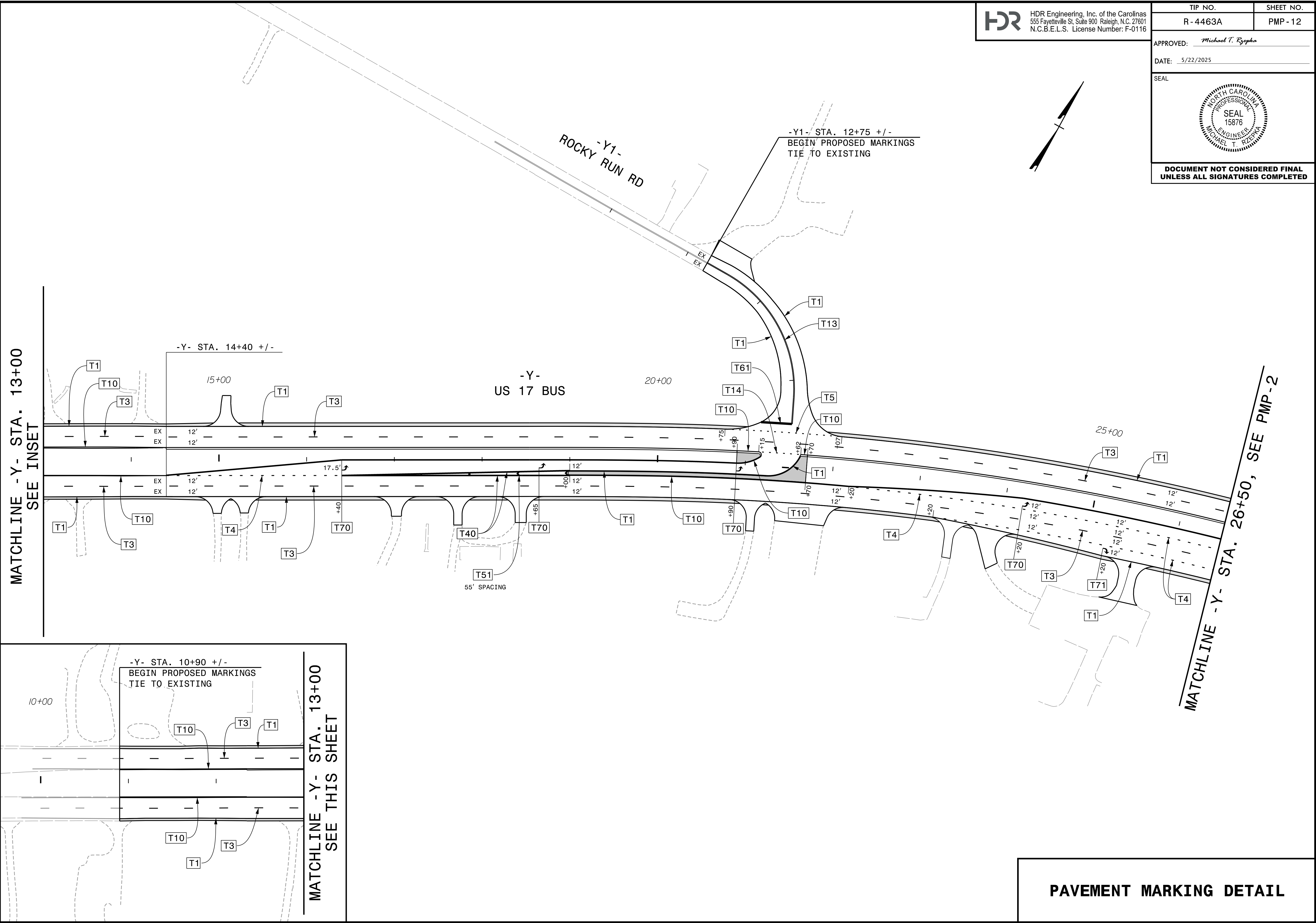
PAVEMENT MARKING DETAIL



PAVEMENT MARKING DETAIL

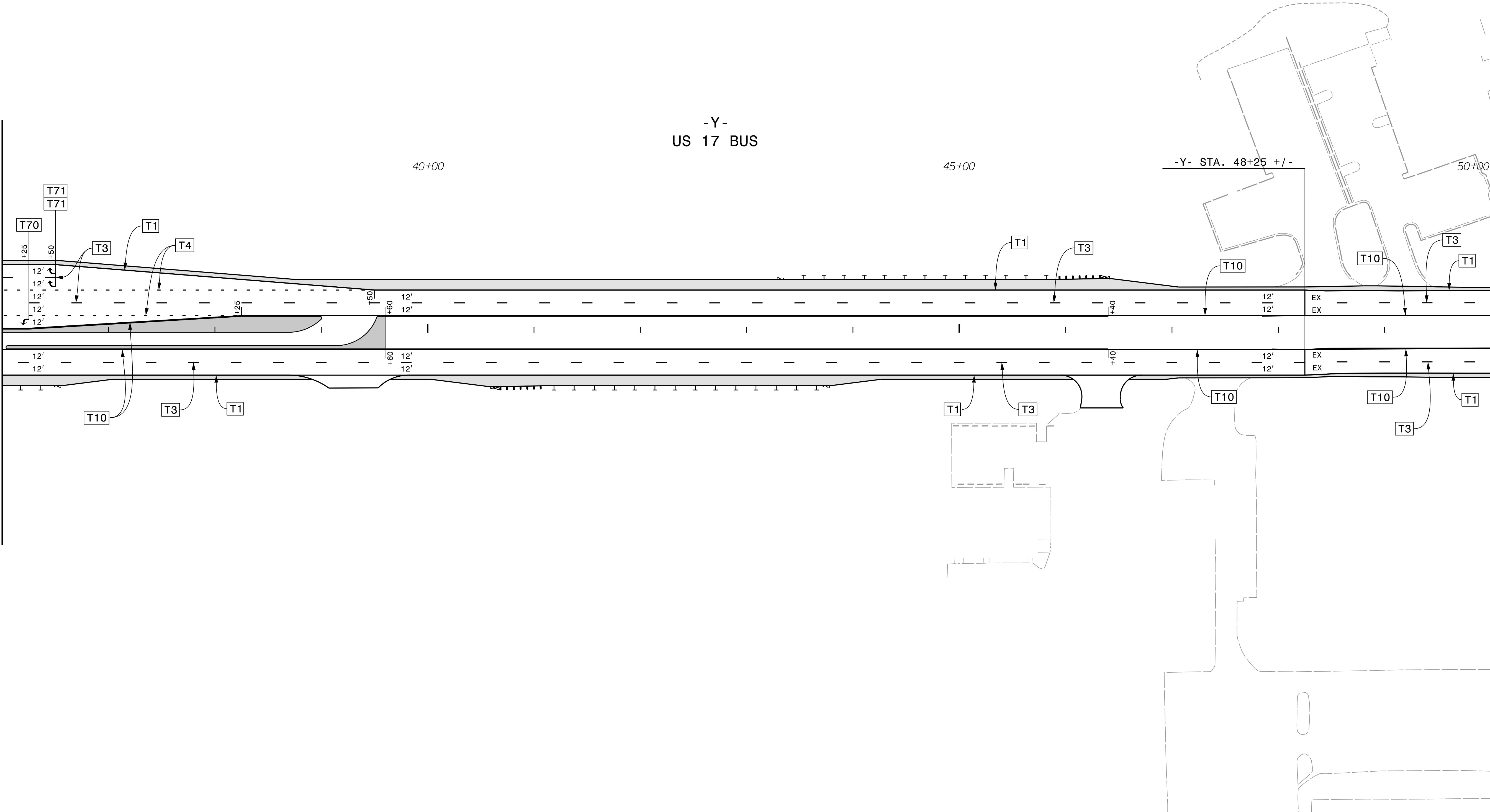
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MATCHLINE -Y- STA. 36+00, SEE PMP-2



MATCHLINE -Y- STA. 50+00, SEE PMP-14



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MATCHLINE -Y- STA. 50+00, SEE PMP-13

STATIONING BEYOND
STA. 50+30 IS APPROXIMATED

-Y-
US 17 BUS

-Y- MILL & OVERLAY LIMITS
(APPROX. STA. 61+35)
END PROPOSED MARKINGS
TIE TO EXISTING

ACADEMIC DR

GREENLEAF CEMETARY RD



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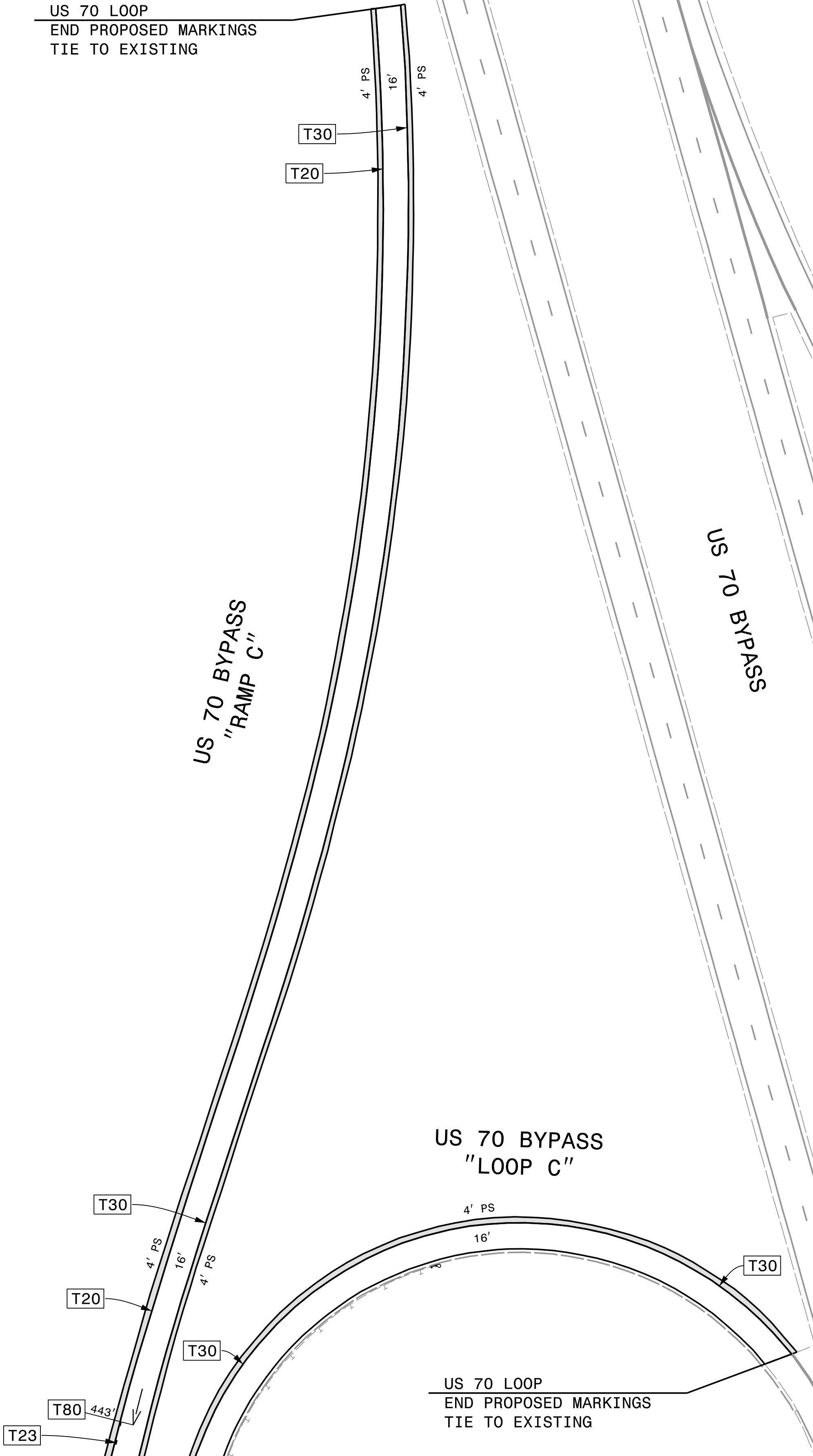
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XXX' = DISTANCE
FROM STOP BAR #1
(SEE PMP-11)

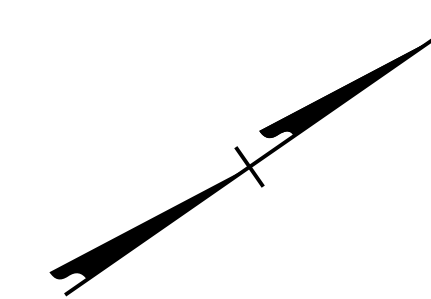
MATCHLINE RESURFACING, SEE PMP-11





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PAVEMENT MARKING DETAIL