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TIP NO.	SHEET NO.
U-5169	PMP-1
APPROVED: <i>Kelly L. Becker, PE</i> <small>26275A782E8A4E 4/19/2018</small>	
DATE: 4/19/2018	
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STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING PLAN
GUILFORD COUNTY

T.I.P.: U-5169

CONTRACT: C204071

INDEX

SHEET NO.	DESCRIPTION
PMP-1	PAVEMENT MARKING PLAN COVER SHEET
PMP-2	PAVEMENT MARKING SCHEDULE AND LEGEND
PMP-3 THRU PMP-9	PAVEMENT MARKING DETAIL SHEETS
PMP-10	INSET DETAILS

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 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
1205.07	PAVEMENT MARKINGS - PEDESTRIAN CROSSWALKS
1205.08	PAVEMENT MARKINGS - SYMBOLS AND WORD MESSAGES
1205.09	PAVEMENT MARKINGS - PAINTED ISLANDS
1205.13	PAVEMENT MARKINGS - LANE REDUCTIONS
1205.14	PAVEMENT MARKINGS - ROUNDABOUTS
1205.15	PAVEMENT MARKINGS - SUPERSTREETS
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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
1264.01	OBJECT MARKERS - TYPES
1264.02	OBJECT MARKERS - INSTALLATION
1266.01	RAISED PAVEMENT MARKERS - TUBULAR MARKERS
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
-LNB- & -LSB- I-74/ US 311 LOOPS AND RAMP	THERMOPLASTIC	SNOWPLOWABLE
-Y- (NC 68/EASTCHESTER DR)	THERMOPLASTIC	SNOWPLOWABLE
OTHER -Y- LINES	THERMOPLASTIC	NO MARKERS
BRIDGES	COLD APPLIED PLASTIC (TYPE II)	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 (TYPE II COLD APPLIED PLASTIC) PAVEMENT MARKING MATERIAL.

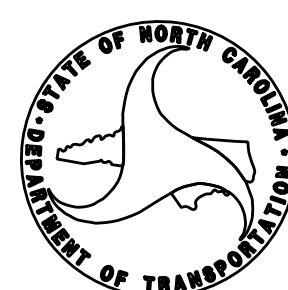
G) UNLESS OTHERWISE SPECIFIED, HEATED-IN-PLACE THERMOPLASTIC MAY BE USED IN LIEU OF EXTRUDED THERMOPLASTIC FOR STOP BARS, SYMBOLS, CHARACTERS AND DIAGONALS. IF HEATED-IN-PLACE IS USED, IT SHALL BE PAID FOR USING THE EXTRUDED THERMOPLASTIC PAY ITEM.

H) TYPE III COLD APPLIED PLASTIC MAY BE USED IN LIEU OF TYPE II COLD APPLIED PLASTIC. IF TYPE III COLD APPLIED PLASTIC IS USED, IT SHALL BE PAID FOR USING THE TYPE II COLD APPLIED PLASTIC PAY ITEM.

I) SEE ROADWAY PLANS FOR ALTERNATE CURB RAMP DESIGNS WHEN INDICATED ON PAVEMENT MARKING DETAIL SHEETS.

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


Kelvin Jordan SIGNING & DELINEATION REGIONAL ENGINEER
Bobby Navarrete SIGNING & DELINEATION PROJECT DESIGN ENGINEER



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

K.L. Becker, PE PROJECT ENGINEER
J.A. Phillips DESIGN TECHNICIAN

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TIP NO. U-5169	SHEET NO. PMP -2
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FINAL PAVEMENT MARKING SCHEDULE

MATERIAL	SYMBOL	DESCRIPTION
PAVEMENT MARKING		
<u>COLD APPLIED PLASTIC (4") (TYPE II)</u>		
	CB	YELLOW EDGELINE
	CC	10 FT. WHITE SKIP
<u>COLD APPLIED PLASTIC (6") (TYPE II)</u>		
	CK	3 FT. - 9 FT./SP WHITE MINISKIP
<u>COLD APPLIED PLASTIC (8") (TYPE II)</u>		
	C13	3 FT. - 9 FT./SP WHITE MINISKIP
	CR	WHITE SOLID LANE LINE
<u>THERMOPLASTIC (4", 90 MILS)</u>		
	TA	WHITE EDGELINE
	TB	YELLOW EDGELINE
<u>THERMOPLASTIC (4", 120 MILS)</u>		
	T8	2 FT. -6 FT./SP WHITE MINISKIP
	TC	10 FT. WHITE SKIP
	TD	3 FT. -9 FT./SP WHITE MINISKIP
	TE	WHITE SOLID LANE LINE
	TF	10 FT. YELLOW SKIP
	TH	YELLOW SINGLE CENTER
	TI	YELLOW DOUBLE CENTER
<u>THERMOPLASTIC (6", 90 MILS)</u>		
	T6	WHITE EDGELINE
	T7	YELLOW EDGELINE
<u>THERMOPLASTIC (6", 120 MILS)</u>		
	T11	2 FT. - 6 FT. WHITE MINISKIP
	TJ	10 FT. WHITE SKIP
	TK	3 FT. - 9 FT. WHITE MINISKIP
	TL	WHITE SOLID LANE LINE
<u>THERMOPLASTIC (8", 90 MILS)</u>		
	TN	WHITE GORELINE
	TP	YELLOW DIAGONAL
<u>THERMOPLASTIC (8", 120 MILS)</u>		
	T13	3 FT. - 9 FT./SP WHITE MINISKIP
	T17	3 FT. - 3 FT./SP WHITE MINISKIP
	TR	WHITE SOLID LANE LINE
<u>THERMOPLASTIC (12", 90 MILS)</u>		
	TS	WHITE GORELINE
	TU	WHITE DIAGONAL
<u>THERMOPLASTIC (12", 120 MILS)</u>		
	TT	WHITE SOLID LANE LINE
<u>THERMOPLASTIC (24", 120 MILS)</u>		
	T2	WHITE STOPBAR
	T3	WHITE CROSSWALK LINE

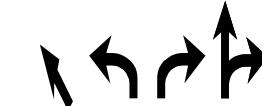

<u>THERMOPLASTIC PAVEMENT MARKING SYMBOLS (90 MILS)</u>	
UA	LEFT TURN ARROW
UB	RIGHT TURN ARROW
UC	STRAIGHT ARROW
UD	COMBO STRAIGHT/LEFT
UE	COMBO STRAIGHT/RIGHT
UN	24" YIELD LINE TRIANGLE
UP	MERGE ARROW
UQ	RAMP ARROW
UT	U-TURN ARROW
<u>THERMOPLASTIC PAVEMENT MARKING CHARACTER (120 MILS)</u>	
UI	ALPHANUMERIC CHAR.
<u>PERMANENT RAISED PAVEMENT MARKERS (NOT SHOWN)</u>	
MB	CRYSTAL & RED
<u>SNOWPLOWABLE PAVEMENT MARKERS (NOT SHOWN)</u>	
ME	YELLOW & YELLOW
MF	CRYSTAL & RED

LEGEND

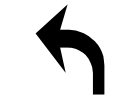








GENERAL

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

PAVEMENT MARKINGS

 PAVEMENT MARKING SYMBOLS
 ONLY PAVEMENT MARKING CHARACTERS


PAVEMENT MARKING SYMBOLS

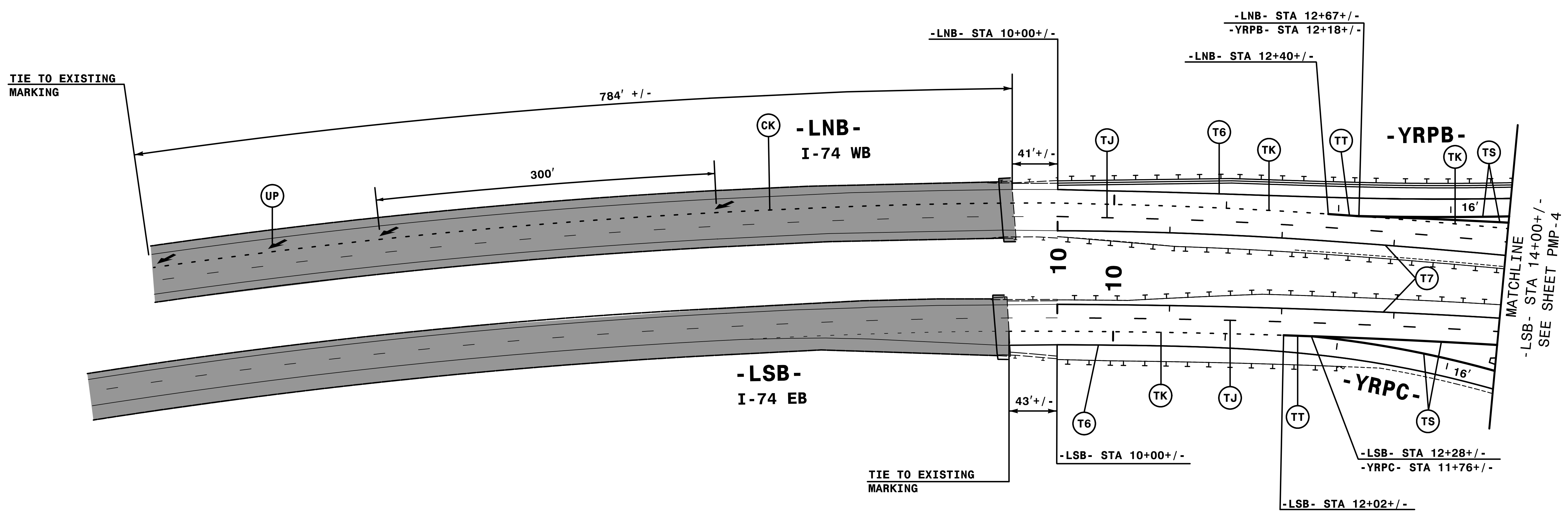
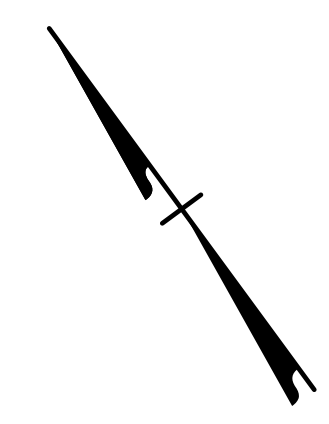
	UA
	UB
	UC
	UD
	UE
ONLY	UI
	UN
	UP
	UQ
	UT

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PAVEMENT MARKING SCHEDULE AND LEGEND

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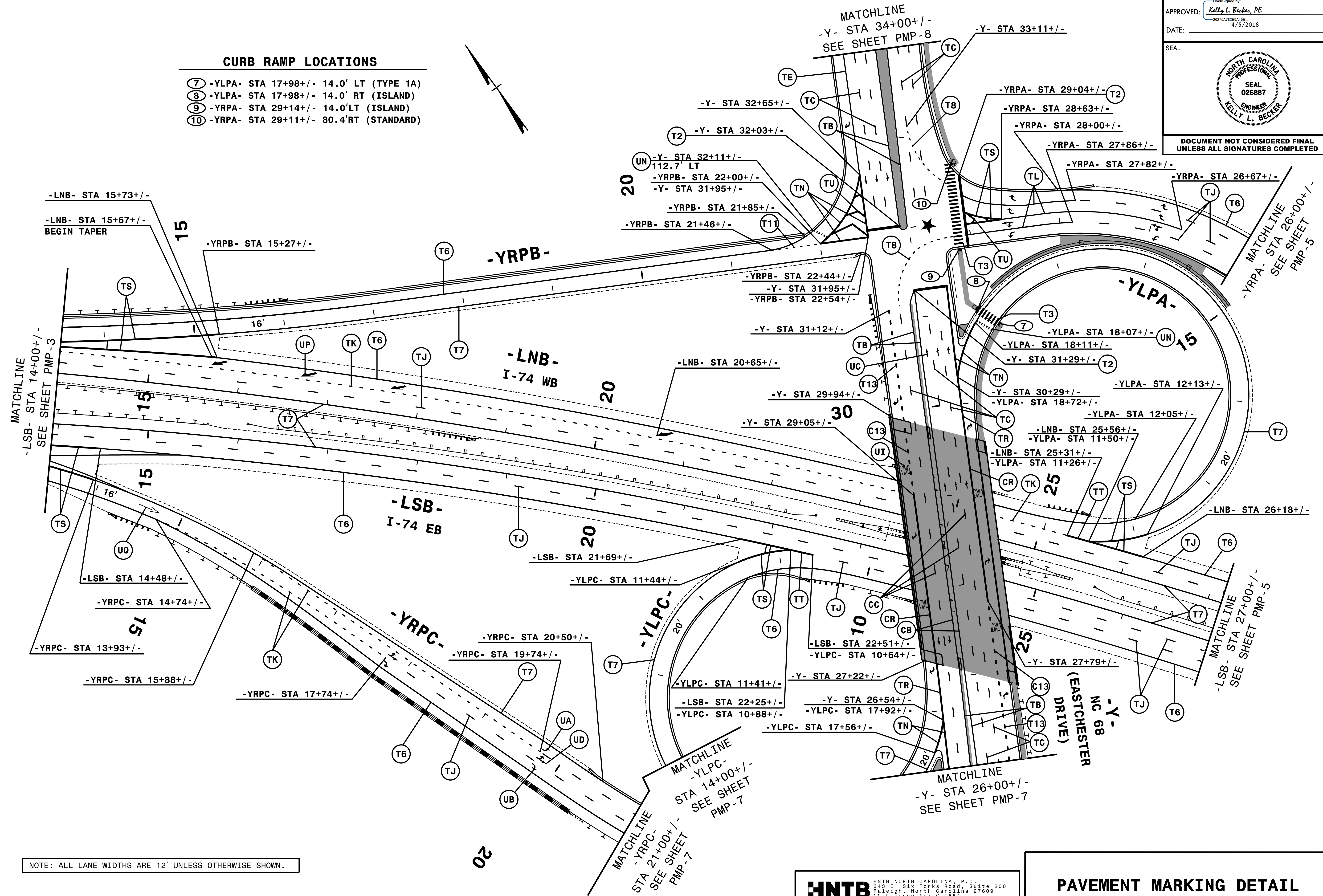
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PAVEMENT MARKING DETAIL

TIP NO. U-5169	SHEET NO. PMP-4
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CURB RAMP LOCATIONS

- ⑦ -YLPA- STA 17+98+/- 14.0' LT (TYPE 1A)
- ⑧ -YLPA- STA 17+98+/- 14.0' RT (ISLAND)
- ⑨ -YRPA- STA 29+14+/- 14.0' LT (ISLAND)
- ⑩ -YRPA- STA 29+11+/- 80.4' RT (STANDARD)




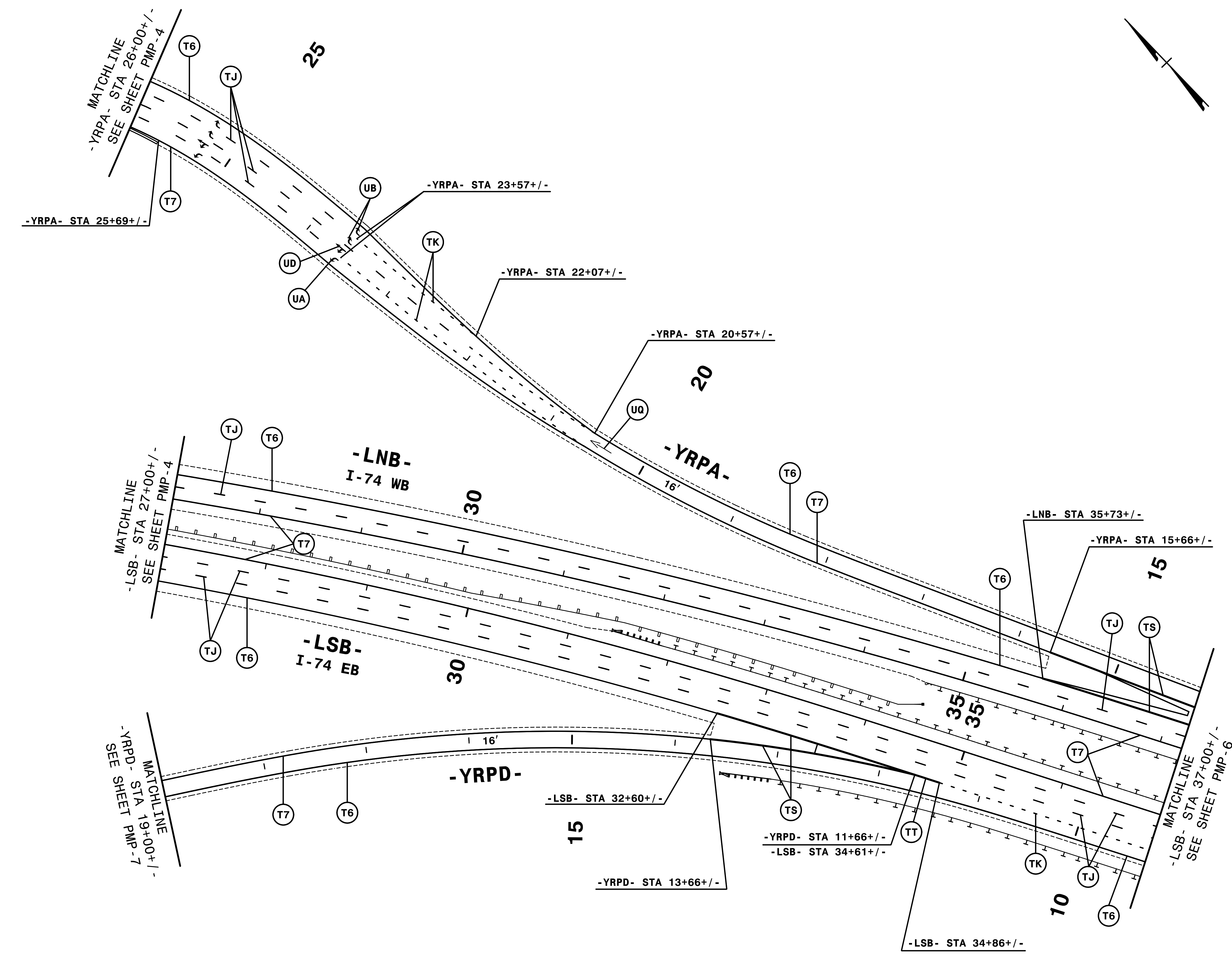
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PAVEMENT MARKING DETAIL

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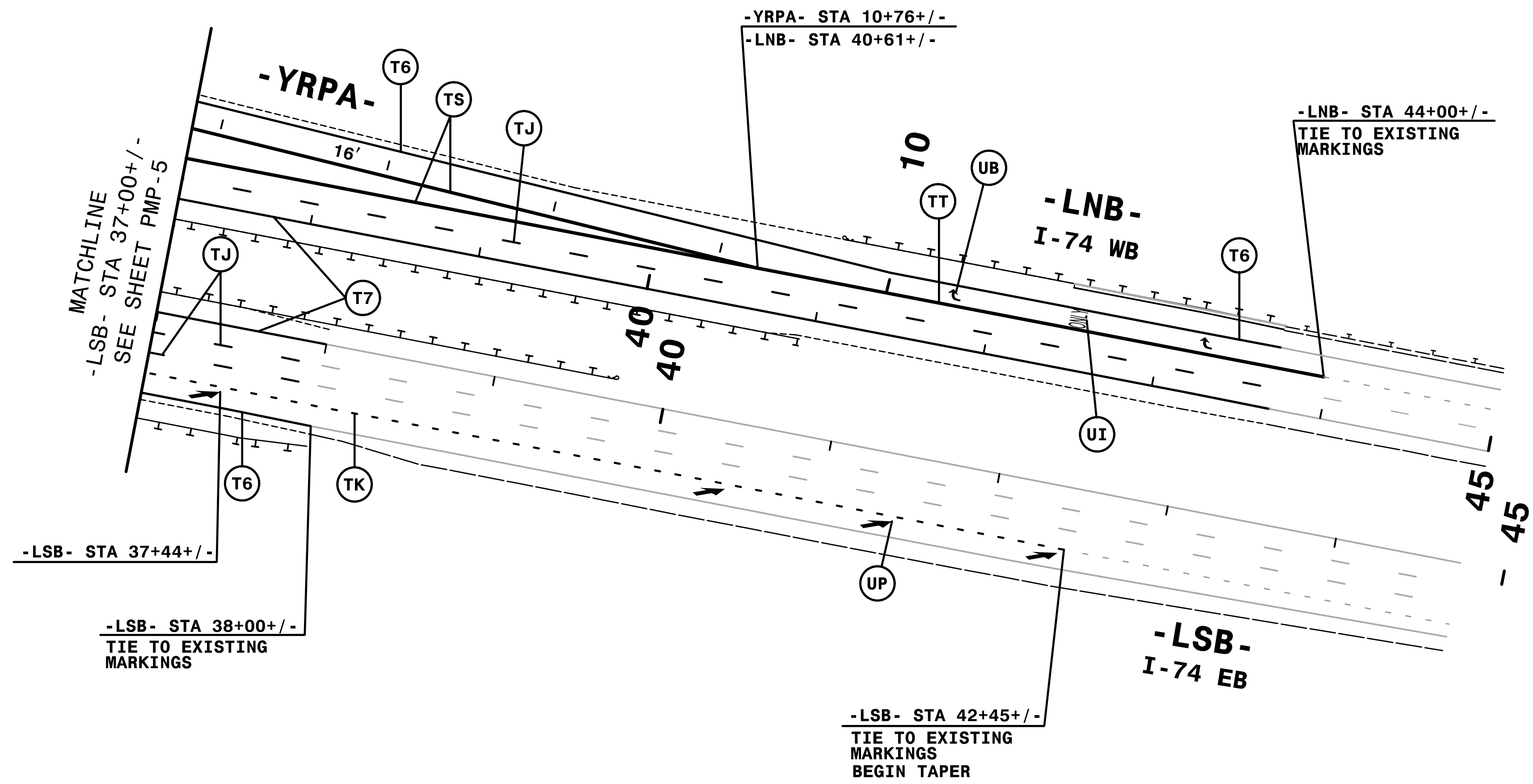
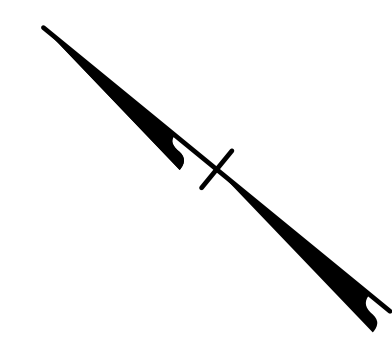
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PAVEMENT MARKING DETAIL

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TIP NO. U-5169	SHEET NO. PMP-6
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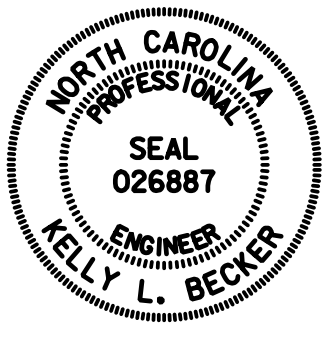


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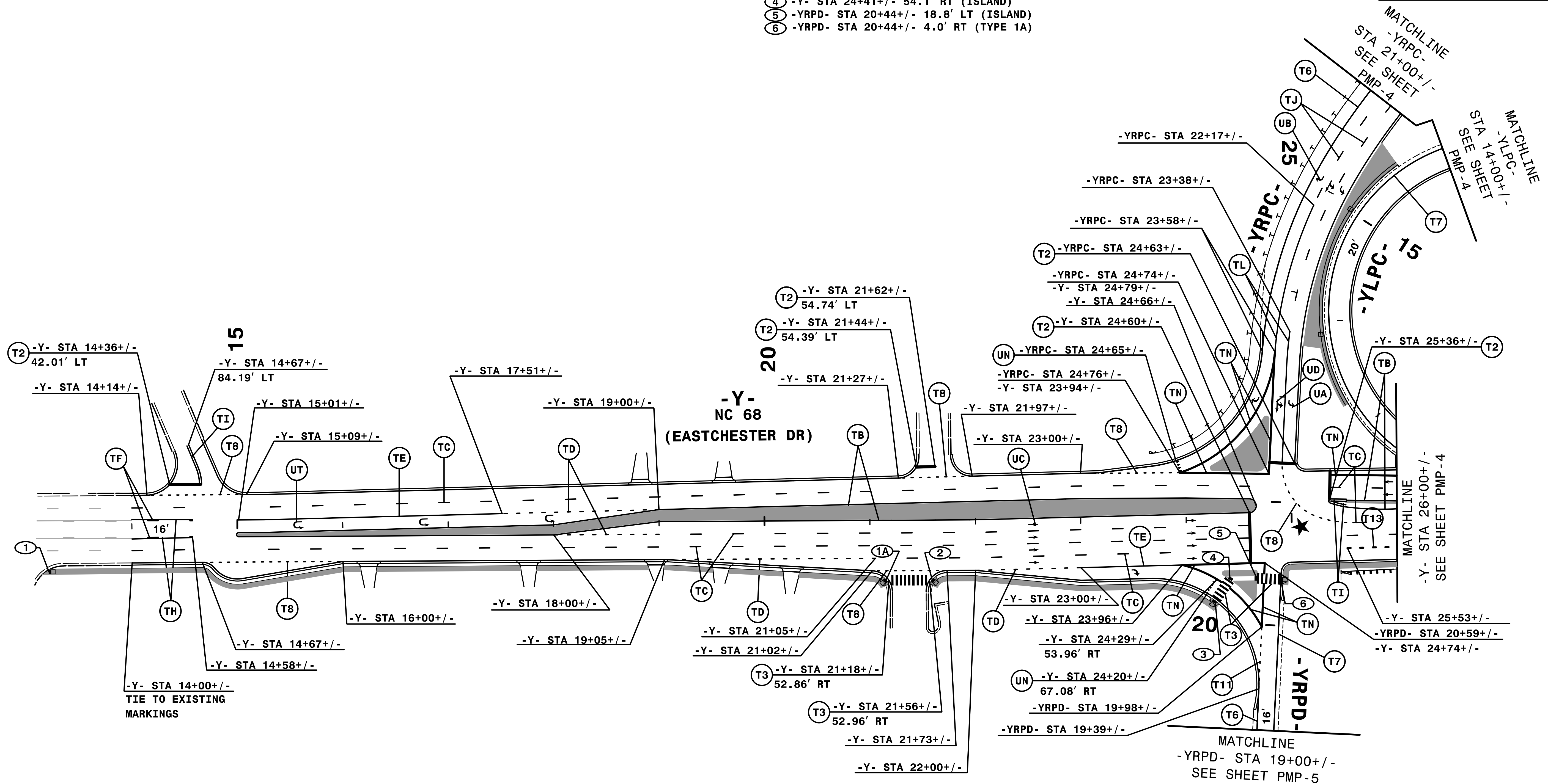
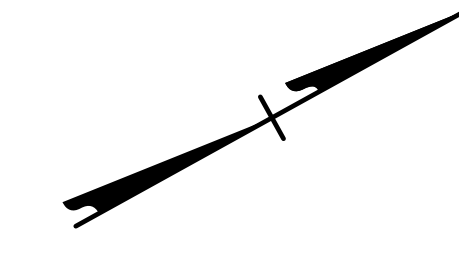
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PAVEMENT MARKING DETAIL

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CURB RAMP LOCATIONS

- ① -Y- STA 13+18+/- 40.2' RT (TYPE 1)
- ①A -Y- STA 21+15+/- 52.9' RT (STANDARD)
- ② -Y- STA 21+59+/- 53.0' RT (STANDARD)
- ③ -Y- STA 24+27+/- 74.3' RT (STANDARD)
- ④ -Y- STA 24+41+/- 54.1' RT (ISLAND)
- ⑤ -YRPD- STA 20+44+/- 18.8' LT (ISLAND)
- ⑥ -YRPD- STA 20+44+/- 4.0' RT (TYPE 1A)




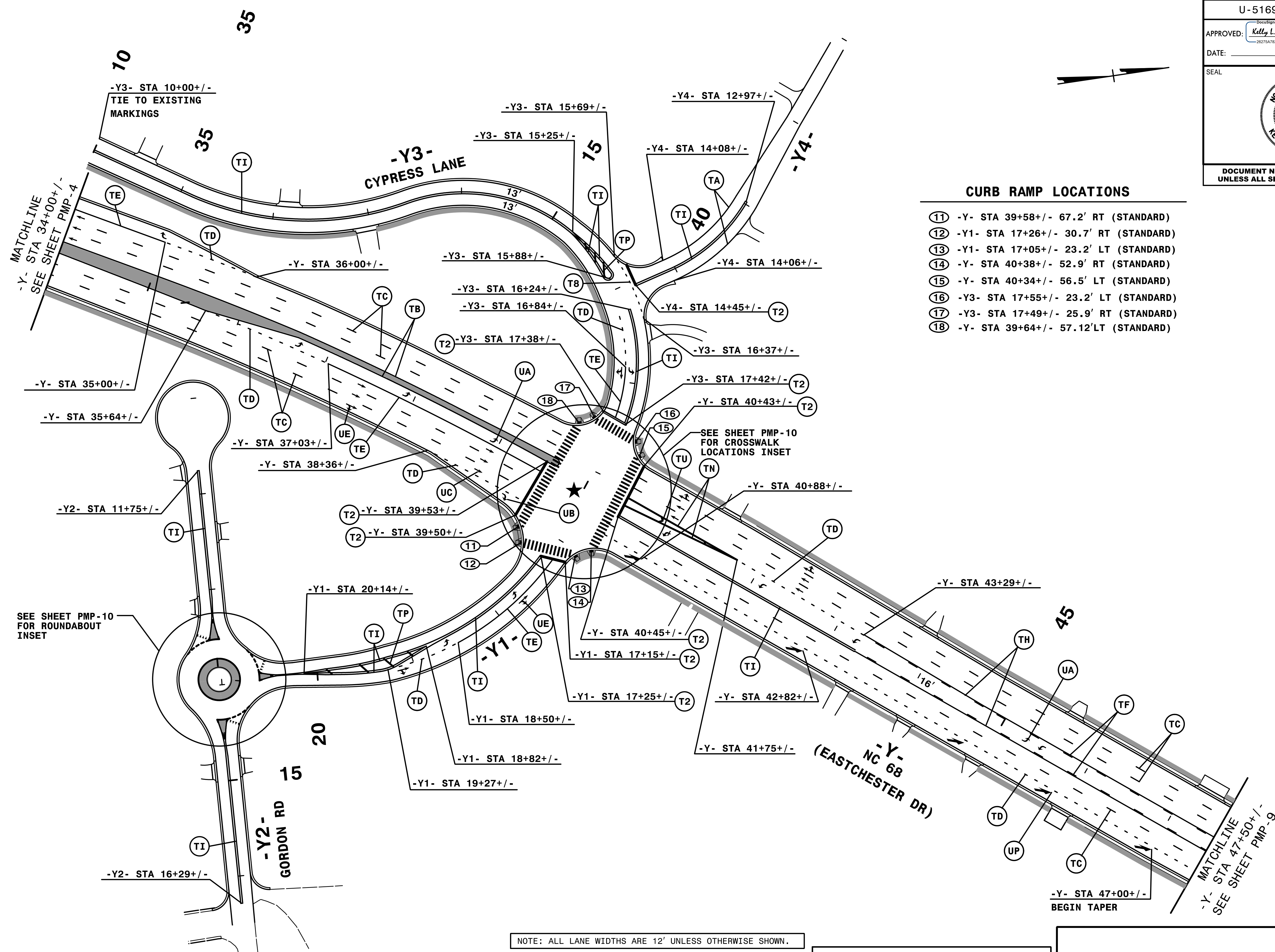
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PAVEMENT MARKING DETAIL

TIP NO.	SHEET NO.
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- CURB RAMP LOCATIONS**
- ① -Y- STA 39+58+/- 67.2' RT (STANDARD)
 - ② -Y1- STA 17+26+/- 30.7' RT (STANDARD)
 - ③ -Y1- STA 17+05+/- 23.2' LT (STANDARD)
 - ④ -Y- STA 40+38+/- 52.9' RT (STANDARD)
 - ⑤ -Y- STA 40+34+/- 56.5' LT (STANDARD)
 - ⑥ -Y3- STA 17+55+/- 23.2' LT (STANDARD)
 - ⑦ -Y3- STA 17+49+/- 25.9' RT (STANDARD)
 - ⑧ -Y- STA 39+64+/- 57.12' LT (STANDARD)

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

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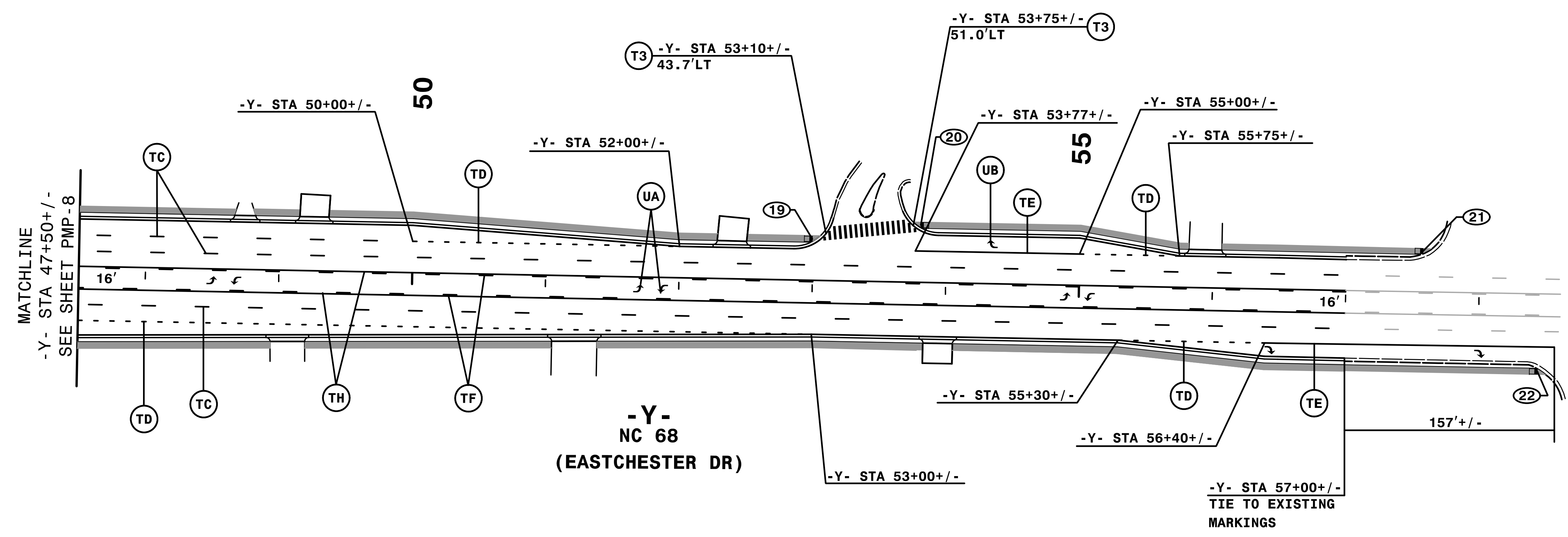
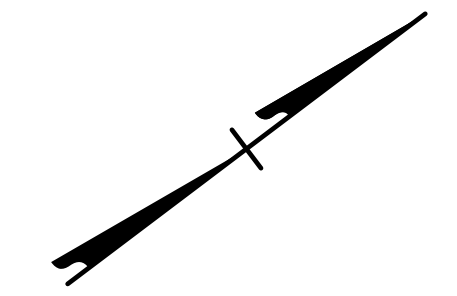
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CURB RAMP LOCATIONS

- ①9 -Y- STA 52+99+/- 39.5' LT (TYPE 1)
- ②0 -Y- STA 53+81+/- 51.6' LT (TYPE 1)
- ②1 -Y- STA 57+57+/- 39.1' LT (TYPE 1)
- ②2 -Y- STA 58+45+/- 49.5' RT (TYPE 1)




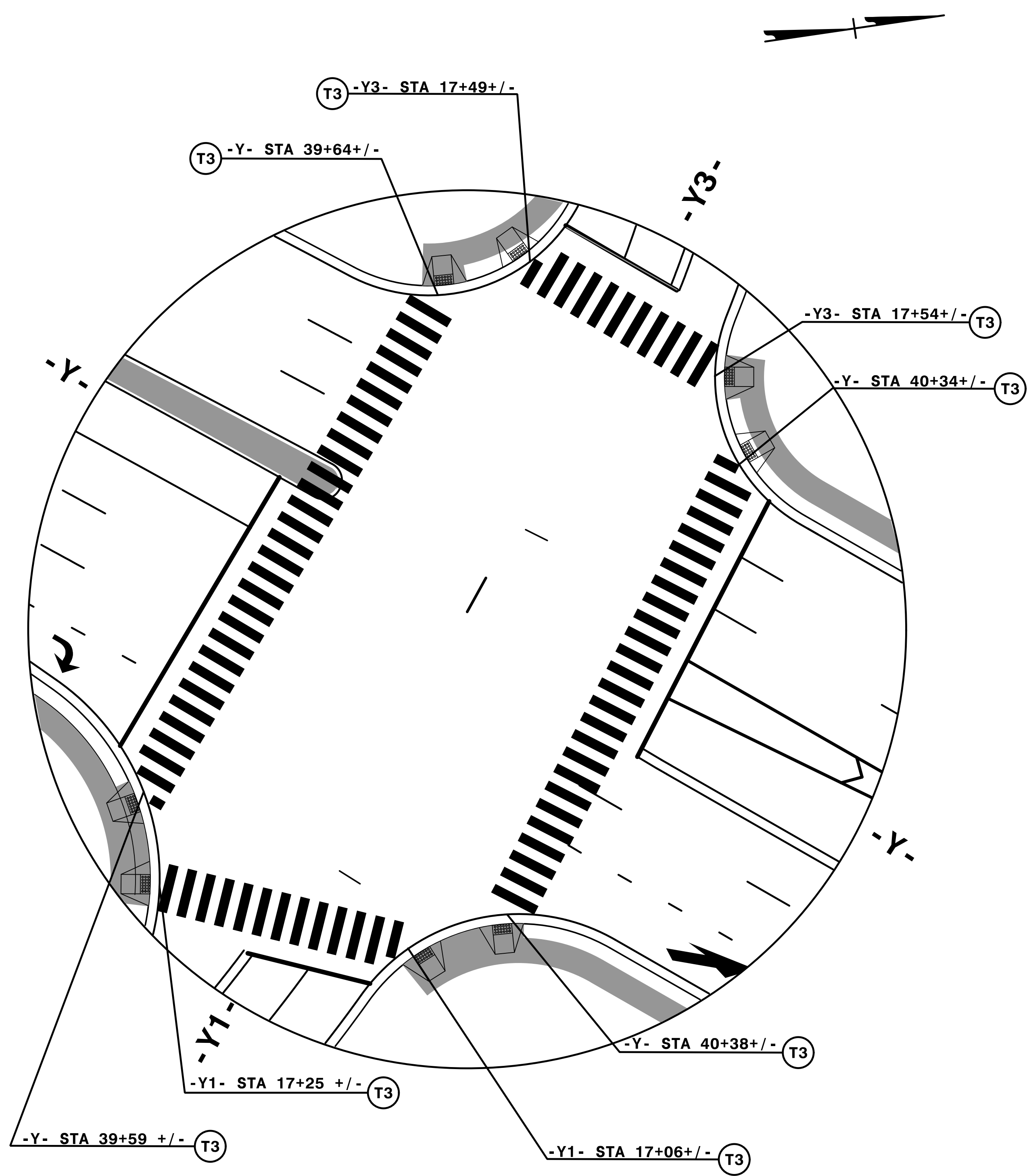
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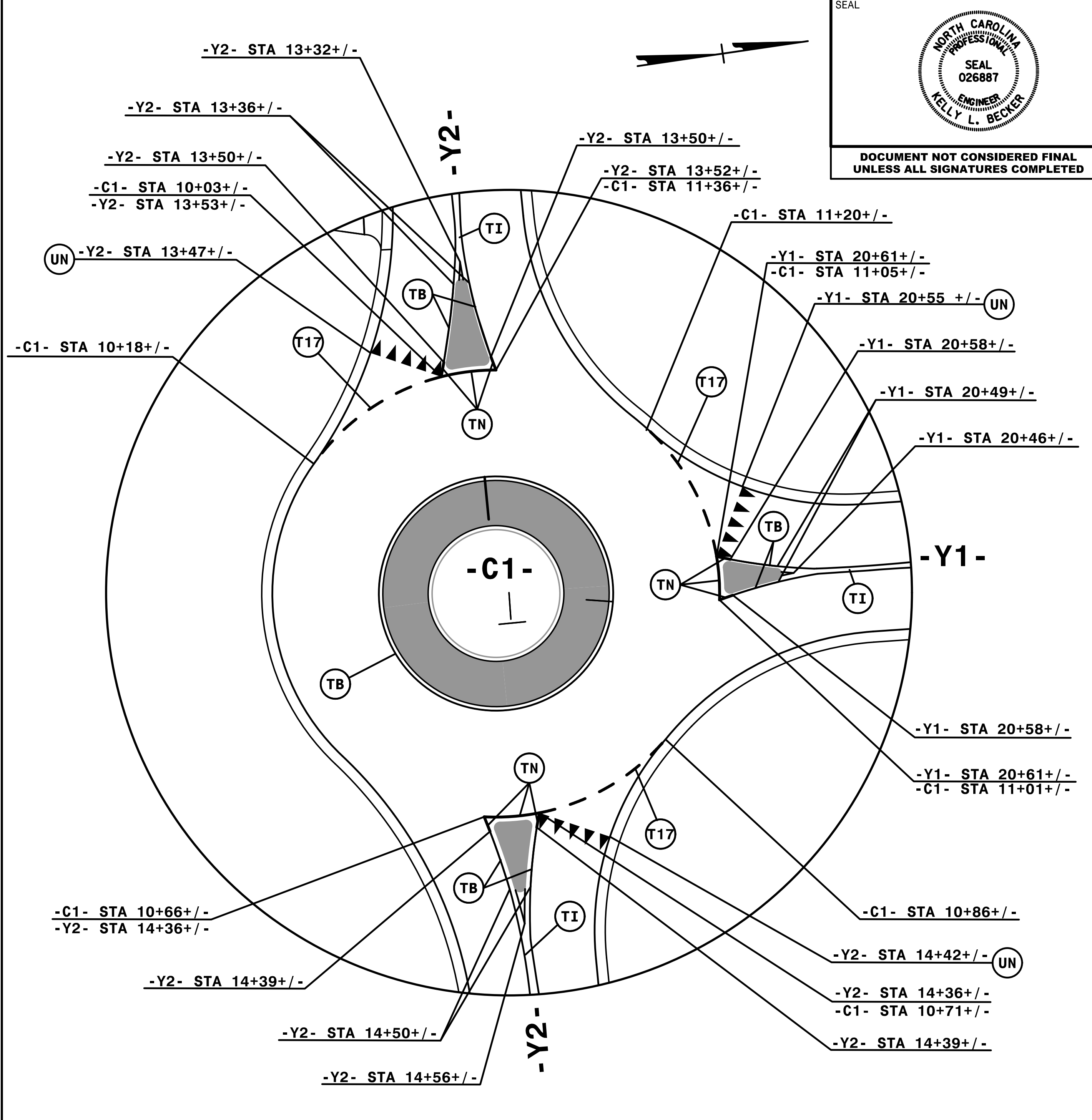
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PAVEMENT MARKING DETAIL

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**-Y- / -Y1- / -Y3-
CROSSWALK LOCATIONS**



**-Y1- / -Y2
ROUNDBOUT
DETAIL**

INSET DETAILS

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