

CONTRACT: C205222 T.I.P.: I-2513AC

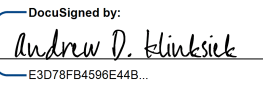
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING PLAN
BUNCOMBE COUNTY

LOCATION: I-26/I-40 INTERCHANGE TO SR 3548 (HAYWOOD RD)

PROJECT REFERENCE NO.
I - 2513AC

SHEET NO.
PMP - 1

APPROVED:

E-071878409RE448

DATE: 8/7/2026

SEAL


DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

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 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 (SEE SHEET PMP-1A FOR SHEET 1 OF 2)
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
1205.07	PAVEMENT MARKINGS - PEDESTRIAN CROSSWALKS
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
1205.14	PAVEMENT MARKINGS - ROUNDABOUTS
1205.16	PAVEMENT MARKINGS - BICYCLE FACILITIES
1250.01	RAISED PAVEMENT MARKERS - INSTALLATION SPACING (SEE SHEET PMP-1B FOR 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

INDEX

SHEET NO.	DESCRIPTION
PMP-1	PAVEMENT MARKING PLAN TITLE
PMP-1A-1B	REVISED ROADWAY STANDARD DRAWINGS
PMP-1C	INLAID CRADLE MARKER DETAIL
PMP-2	PAVEMENT MARKING SCHEDULE
PMP-3-15	PAVEMENT MARKING DETAIL

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.

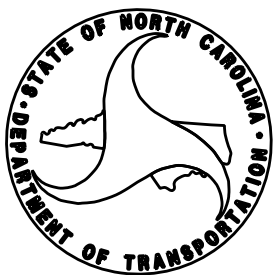
- A) INSTALL PAVEMENT MARKINGS AND PAVEMENT MARKERS ON THE FINAL SURFACE AS FOLLOWS:

ROAD TYPE	MARKING	MARKER
-L- I-26	INTEGRATED MULTIPOLYMER	SNOWPLOWABLE INLAID CRADLE MARKERS
-L- BRIDGE DECKS RAMPS AND -Y- LINES	INTEGRATED MULTIPOLYMER INTEGRATED MULTIPOLYMER	RAISED NONE

- 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 INTEGRATED MULTIPOLYMER PAVEMENT MARKING MATERIAL.
- G) SEE ROADWAY PLANS FOR ALTERNATE CURB RAMP DESIGNS WHEN INDICATED ON PAVEMENT MARKING DETAIL SHEETS.

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

Kelvin L. Jordan STATE SIGNING AND DELINEATION ENGINEER
J.N. Navarrete SIGNING & DELINEATION PROJECT DESIGN ENGINEER



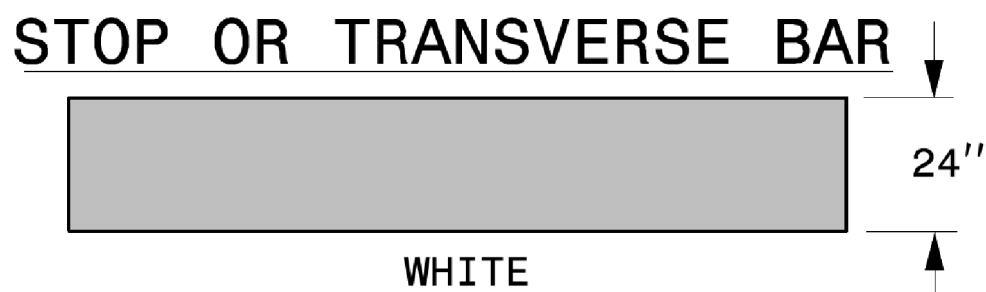
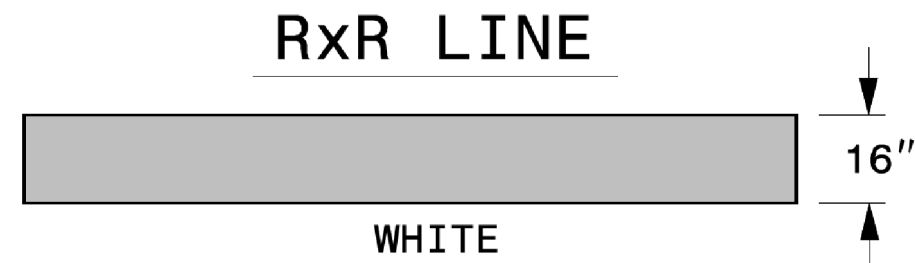
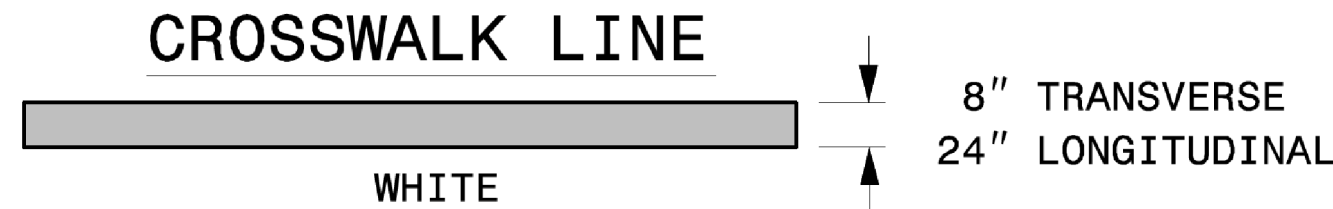
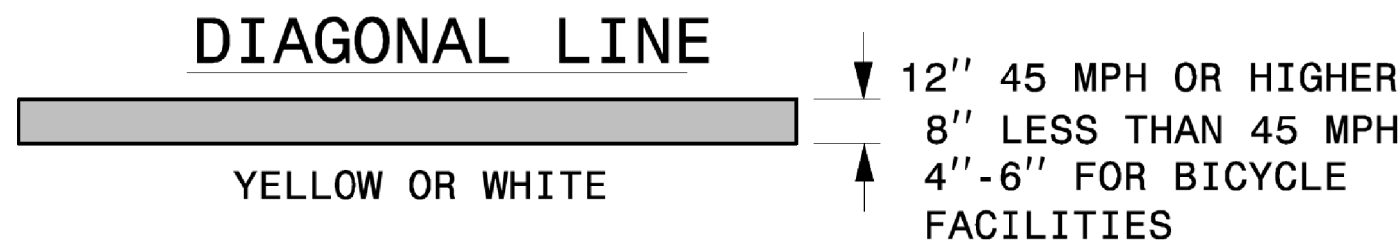
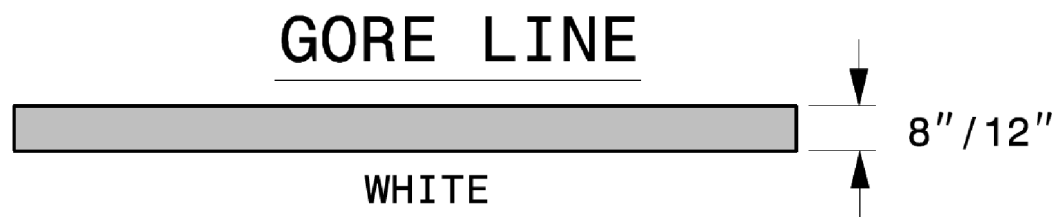
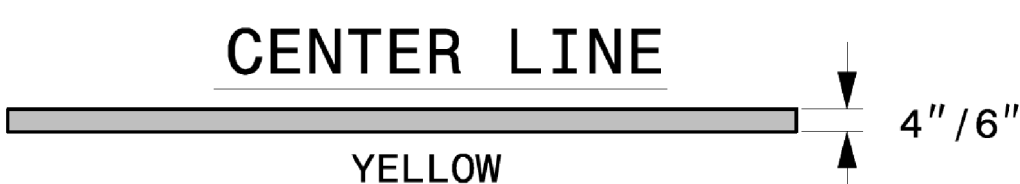
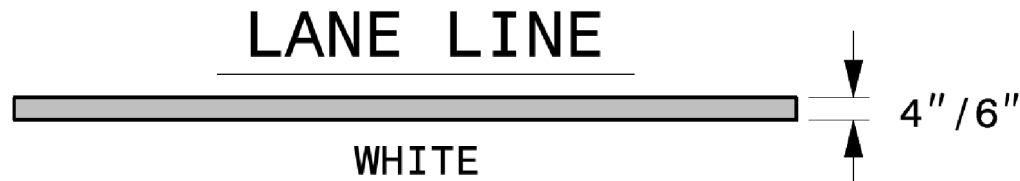
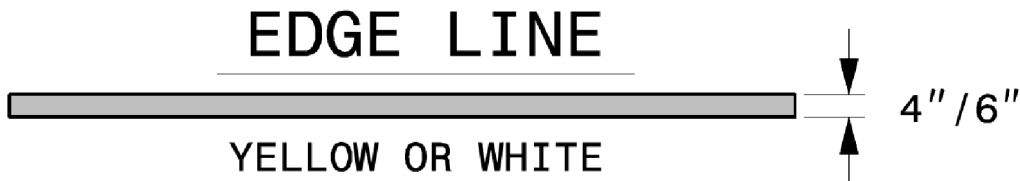
PLAN PREPARED BY: HNTB NORTH CAROLINA, P.C.

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



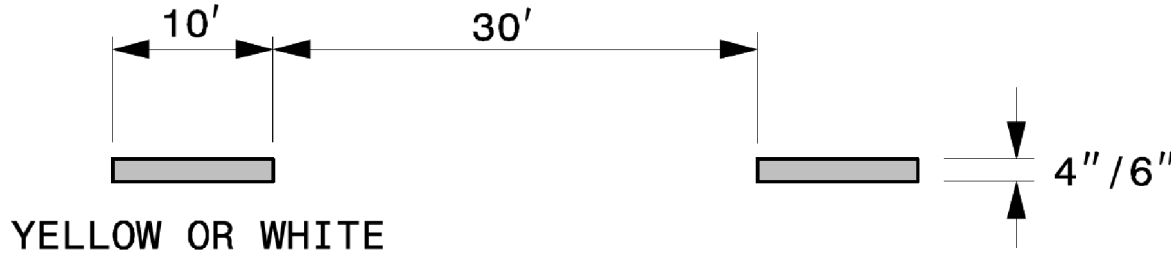
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4000 Center at North Hills St
Suite 500
Raleigh, North Carolina 27609
NC License No: C-1554
(919) 546-8997

CONTINUOUOUS LINES



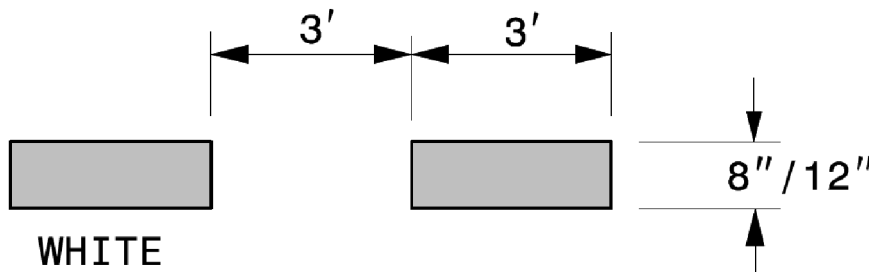
10'-30'/SP SKIP LINE

UNLESS OTHERWISE SHOWN, USE 10'-30'/SP SKIPS FOR SKIP LANE LINES AND SKIP CENTER LINES.



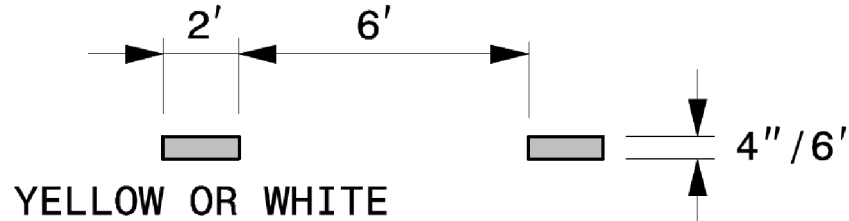
3'-3'/SP MINI-SKIP LINE

UNLESS OTHERWISE SHOWN, USE 3'-3'/SP MINI-SKIPS FOR THE WHITE EDGE LINE EXTENSIONS AT ROUNDABOUTS.



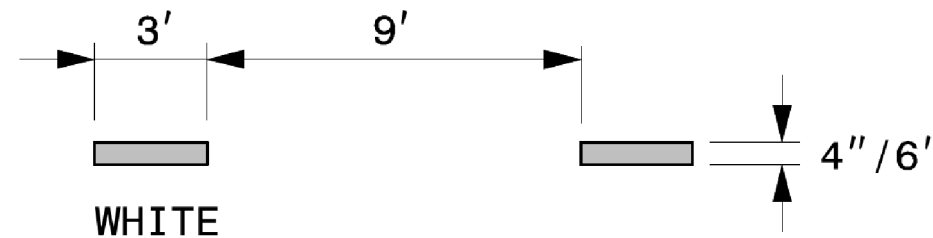
2'-6'/SP MINI-SKIP LINE

UNLESS OTHERWISE SHOWN, USE 2'-6'/SP MINI-SKIPS FOR LANE LINE EXTENSIONS THROUGH INTERSECTIONS, EDGE LINE EXTENSIONS THROUGH INTERSECTIONS AND BICYCLE LANE EXTENSIONS.



3'-9'/SP MINI-SKIP LINE

UNLESS OTHERWISE SHOWN, USE 3'-9'/SP MINI-SKIPS FOR MINI-SKIP LANE LINES, LINE EXTENSIONS THROUGH TAPERS, AND MINI-SKIPS USED FOR BICYCLE LANE LINES.



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

ROADWAY DETAIL DRAWING FOR
PAVEMENT MARKINGS
LINE TYPES AND OFFSETS

SHEET 1 OF 2

1205D01

GENERAL NOTES:

- 1- USE 6" LANE, EDGE, AND CENTER LINES ON ALL FULL CONTROL OF ACCESS FACILITIES AND OTHER ROUTES AS DIRECTED BY THE ENGINEER.
- 2- LANE LINES INDICATED AS "WIDE" ON THE ROADWAY STANDARD DRAWINGS SHALL BE AT LEAST TWICE THE WIDTH OF THE NORMAL LINE.
- 3- GORE LINES SHALL BE TWICE THE WIDTH OF THE NORMAL LINE.

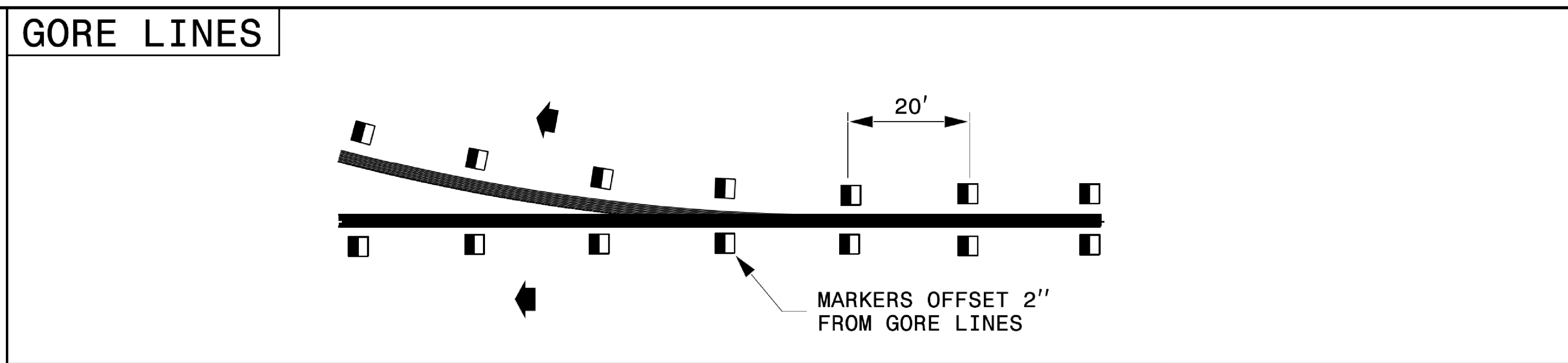


Signed by: Matthew V. Springer
6/22/2026
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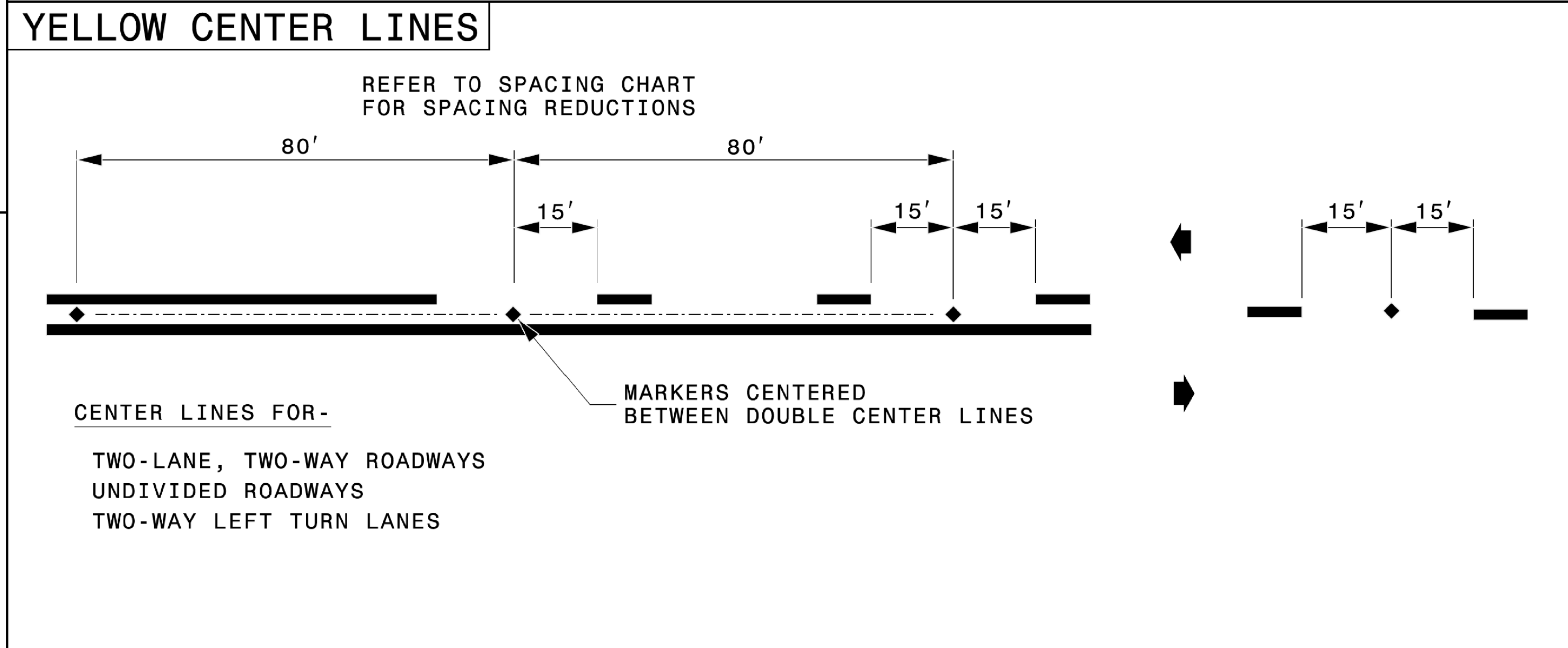
CONTRACTS STANDARDS
AND DEVELOPMENT UNIT
Office 919-707-8950 FAX 919-250-4119

SEE TITLE BLOCK

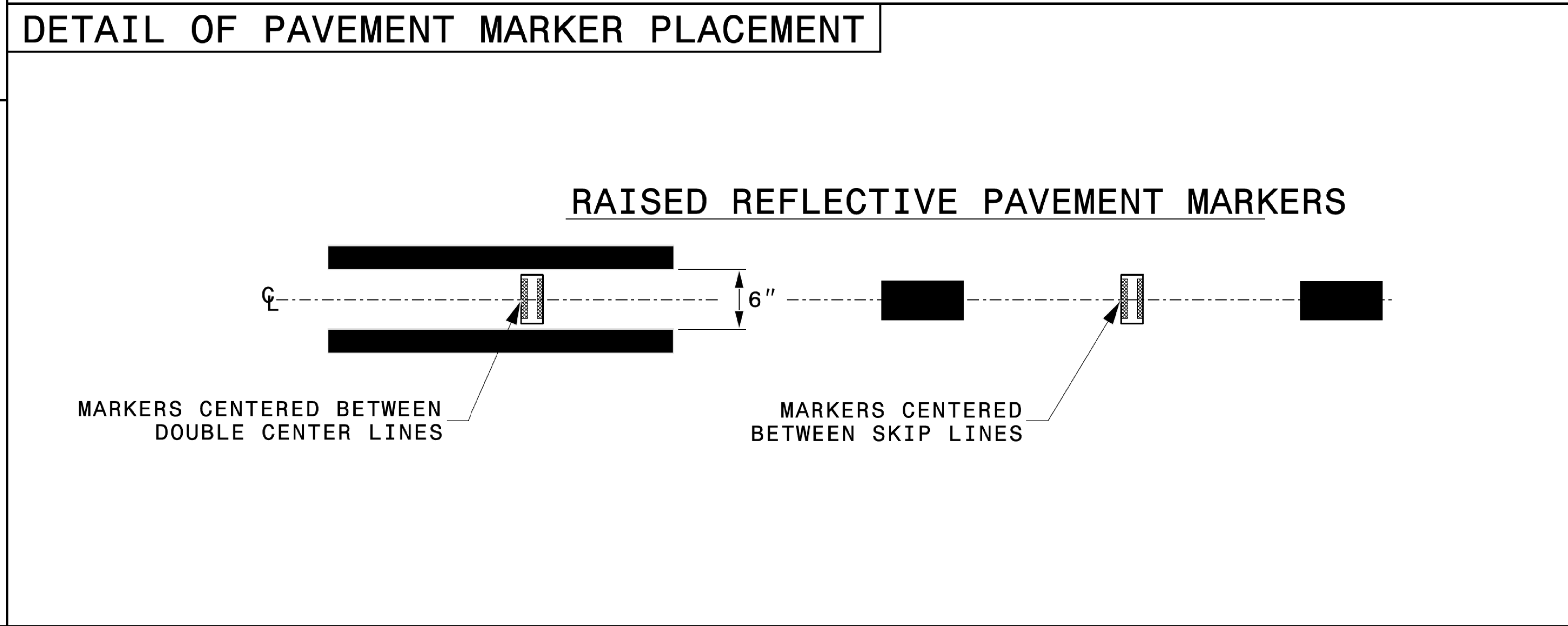
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MODIFIED BY: DATE:
CHECKED BY: DATE:
FILE SPEC.:



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



ROADWAY DETAIL DRAWING FOR
RAISED PAVEMENT MARKERS
INSTALLATION SPACING



SHEET 2 OF 3
1250D01



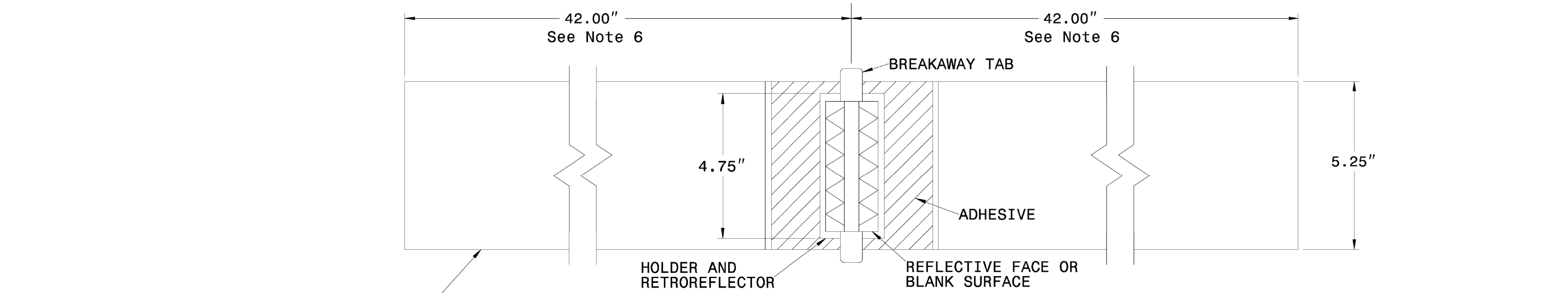
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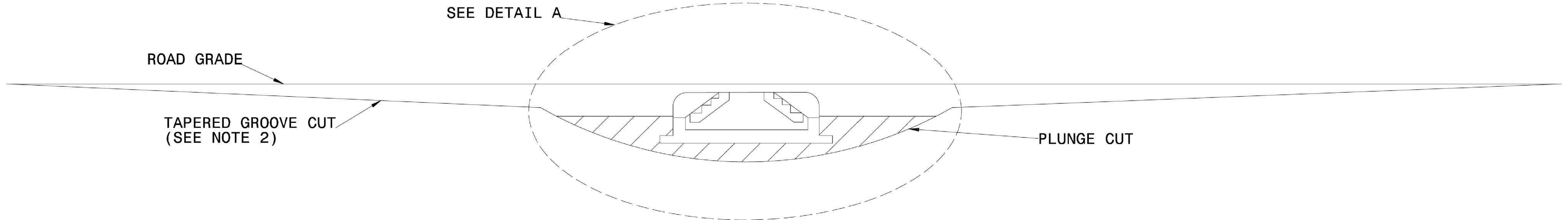
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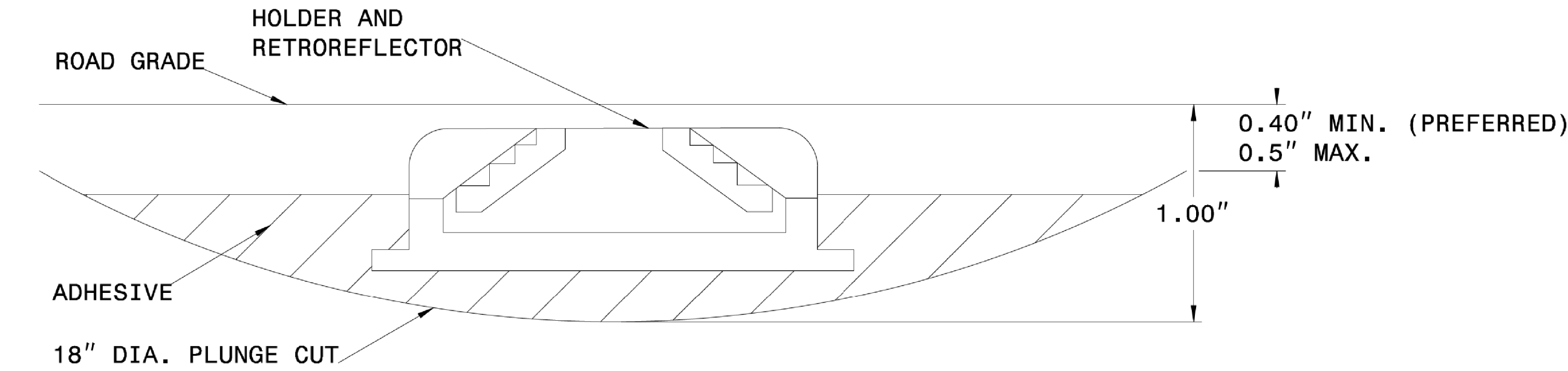
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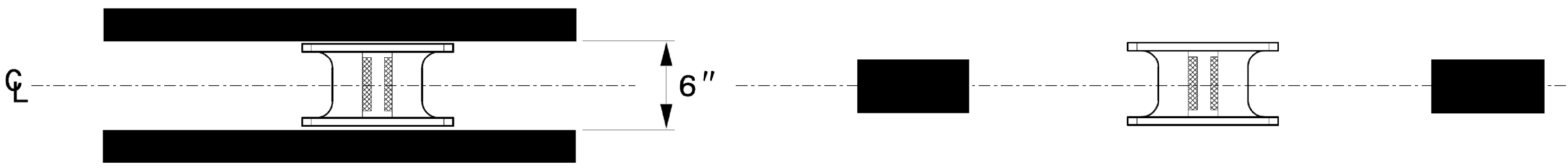
PLAN VIEW - TANGENT SECTIONS



PROFILE VIEW



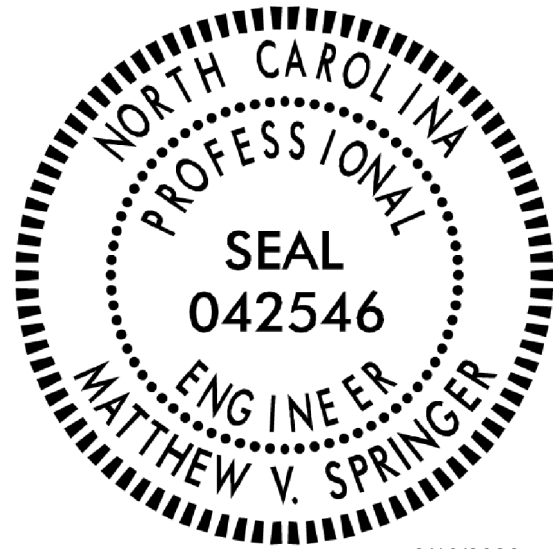
DETAIL A



MARKER SPACING

NOTES:

1. ALL GROOVE EDGES SHALL BE AT LEAST 2 INCHES FROM ANY SEAM OR PAVEMENT JOINT
2. GROOVE CUTS MAY BE TAPERED OR BEVELED. TAPERED CUTS SHALL START AT ROAD LEVEL ON EACH END AND TAPER AT A FIXED RATE AS SHOWN ON THE PROFILE VIEW. BEVELED GROOVE CUTS SHALL BE 0.5" MAXIMUM DEPTH (0.4" PREFERRED), AND SHALL BE 0.4" MINIMUM DEPTH AT BOTH ENDS OF THE PLUNGE CUT.
3. GROOVE AND PLUNGE CUT SHALL BE CLEAN AND DRY PRIOR TO PLACEMENT OF ADHESIVE.
4. THE EPOXY ADHESIVE SHALL BE THOROUGHLY MIXED UNTIL IT IS UNIFORM IN COLOR, AND APPLIED IN COLOR, AND APPLIED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
5. MARKER SHALL BE INSTALLED AS PER MANUFACTURER'S INSTALLATION INSTRUCTIONS WITH THE BREAKWAY TABS RESTING ON THE PAVEMENT SURFACE. THE EPOXY SHALL BE FILLED TO THE LEVEL OF THE TOP OF THE MARKER HOLDER. EPOXY SHALL NOT TOUCH THE RETROREFELCTOR.
6. TOTAL GROOVE LENGTH MAY BE SHORTENED TO 54" ON SHARP CURVES IF APPROVED BY THE ENGINEER. GROOVES SHALL NOT OVERLAP WITH LOOP DETECTOR WIRES.



Signed by: 8/10/2026
Matthew V. Springer
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CONTRACTS STANDARDS AND DEVELOPMENT UNIT		
Office 919-707-8950		FAX 919-250-4119
DETAIL OF INLAID CRADLE MARKER		
ORIGINAL BY: rgwatson	DATE: 02-06-2024	
MODIFIED BY:	DATE:	
CHECKED BY:	DATE:	
FILE SPEC.:		

FINAL PAVEMENT MARKING SCHEDULE

MATERIAL	SYMBOL	DESCRIPTION
PAVEMENT MARKING		
INTEGRATED MULTIPOLYMER (4", 90 MILS)		
	V1	WHITE EDGELINE
	V2	WHITE SOLID LANE LINE
	V3	10 FT. WHITE SKIP
	V4	3 FT.-9 FT./SP WHITE MINISKIP
	V5	2 FT.-6 FT./SP WHITE MINISKIP
	V10	YELLOW EDGELINE
	V11	YELLOW SINGLE CENTER
	V13	YELLOW DOUBLE CENTER
	V14	2 FT.-6 FT./SP YELLOW MINISKIP
INTEGRATED MULTIPOLYMER (6", 90 MILS)		
	V20	WHITE EDGELINE
	V21	WHITE SOLID LANE LINE
	V22	10 FT. WHITE SKIP
	V23	3 FT.-9 FT./SP WHITE MINISKIP
	V30	YELLOW EDGELINE
INTEGRATED MULTIPOLYMER (8", 90 MILS)		
	V40	WHITE GORELINE
	V41	WHITE DIAGONAL
	V42	YELLOW DIAGONAL
	V43	WHITE SOLID LANE LINE
	V44	3 FT.-9 FT./SP WHITE MINISKIP
	V46	WHITE CROSSWALK LINE
INTEGRATED MULTIPOLYMER (12", 90 MILS)		
	V50	WHITE GORELINE
	V51	WHITE DIAGONAL
	V53	WHITE SOLID LANE LINE
	V54	3 FT.-9 FT./SP WHITE MINISKIP
	V55	3 FT.-3 FT./SP WHITE MINISKIP
INTEGRATED MULTIPOLYMER (24", 90 MILS)		
	V61	WHITE STOPBAR
	V62	WHITE CROSSWALK LINE
INTEGRATED MULTIPOLYMER PAVEMENT MARKING SYMBOLS (90 MILS)		
	V70	LEFT TURN ARROW
	V71	RIGHT TURN ARROW
	V72	STRAIGHT ARROW
	V73	COMBO. LEFT/STRAIGHT ARROW
	V74	COMBO. RIGHT/STRAIGHT ARROW
	V79	MERGE ARROW
	V80	WRONG-WAY RAMP ARROW
	V110	FISH-HOOK STRAIGHT ARROW
	V112	FISH-HOOK RIGHT/STRAIGHT ARROW
	V115	FISH-HOOK W/CIRCLE STRAIGHT ARROW
	V116	FISH-HOOK W/CIRCLE LEFT ARROW
	V117	FISH-HOOK W/CIRCLE LEFT/STRAIGHT ARROW
	V119	FISH-HOOK LEFT ARROW
INTEGRATED MULTIPOLYMER PAVEMENT MARKING CHARACTER (90 MILS)		
	V100	ALPHANUMERIC CHAR.
INTEGRATED MULTIPOLYMER PAVEMENT MARKING YIELD LINE (90 MILS)		
	V103	24" YIELD LINE TRIANGLE

MATERIAL	SYMBOL	DESCRIPTION
PAVEMENT MARKING		
COLD APPLIED PLASTIC, TYPE 4 (6")		
	C20	WHITE EDGELINE
	C23	3 FT.-9 FT./SP WHITE MINISKIP
	C30	YELLOW EDGELINE
COLD APPLIED PLASTIC, TYPE 4 (12")		
	C52	YELLOW DIAGONAL
COLD APPLIED PLASTIC PAVEMENT MARKING SYMBOL, TYPE 4		
	C79	MERGE ARROW
REMOVAL OF PAVEMENT MARKING LINES (6")		
	X6	PAVEMENT MARKING LINES
REMOVAL OF PAVEMENT MARKING LINES (24")		
	X24	PAVEMENT MARKING LINES
REMOVAL OF PAVEMENT MARKING SYMBOLS & CHARACTERS		
	X10	SYMBOLS & CHARACTERS
SNOWPLOWABLE INLAID CRADLE PAVEMENT MARKERS (NOT SHOWN)		
	ME	YELLOW & YELLOW
	MF	CRYSTAL & RED

PAVEMENT MARKING SYMBOLS			
	V70		V110
	V71		V112
	V72		V115
	V73		V116
	V74		V117
	V79, C79		V119
	V80		
ONLY	V100		

PROJECT REFERENCE NO.

I - 2513AC

SHEET NO.

PMP - 2

APPROVED:

DocuSigned by:

Andrew D. Hinkick

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DATE:

8/27/2026

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LEGEND

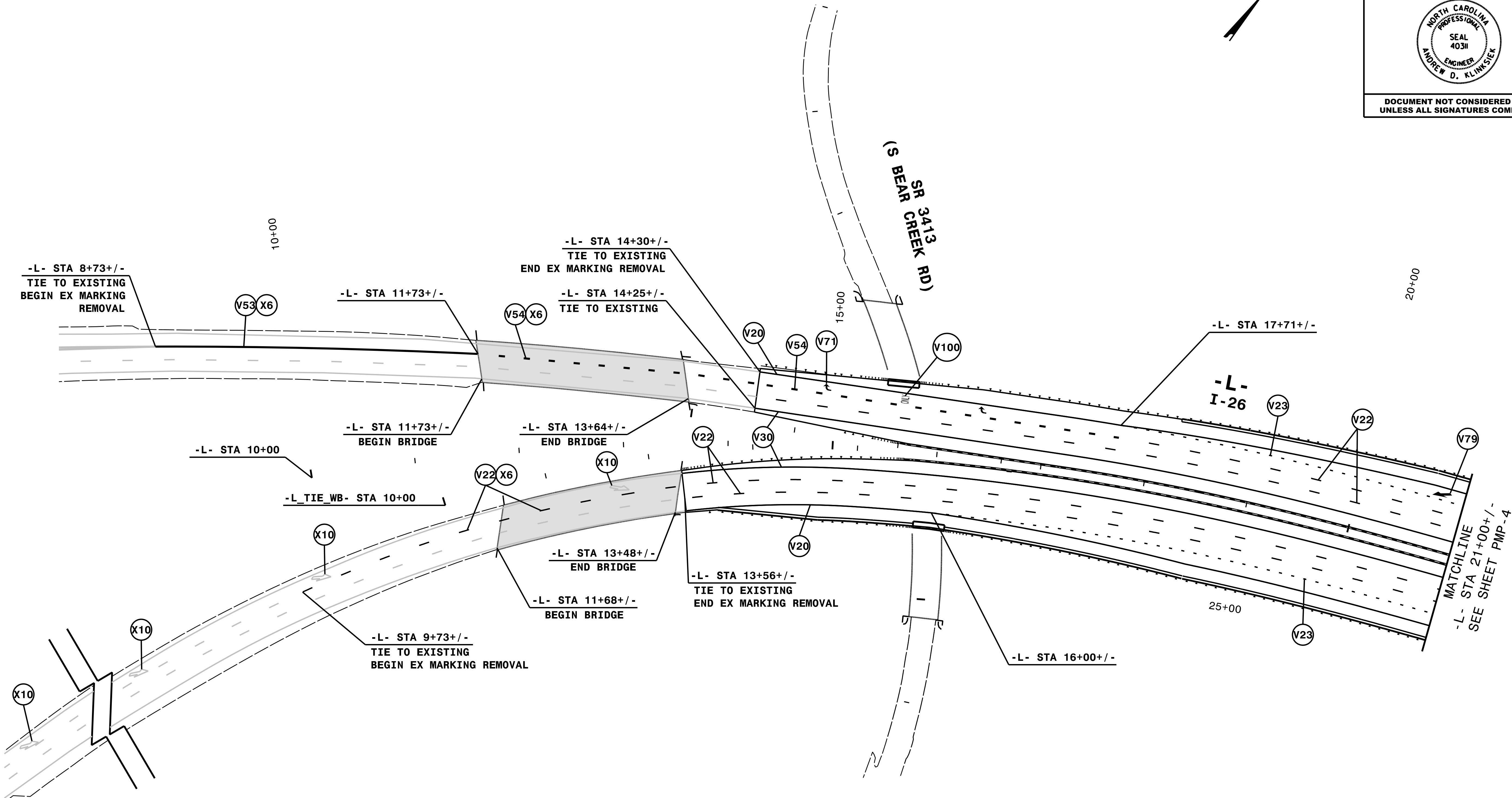
GENERAL

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

PAVEMENT MARKINGS

- PAVEMENT MARKING SYMBOLS
- ONLY PAVEMENT MARKING CHARACTERS

PROJECT REFERENCE NO.	SHEET NO.
I - 2513AC	PMP - 3
APPROVED: Designed by: Andrew D. Klinkstek E-07187609 NC E&E	
DATE: 8/7/2026	
SEAL	
NORTH CAROLINA PROFESSIONAL SEAL 40311 ENGINEER ANDREW D. KLINKSTEK	
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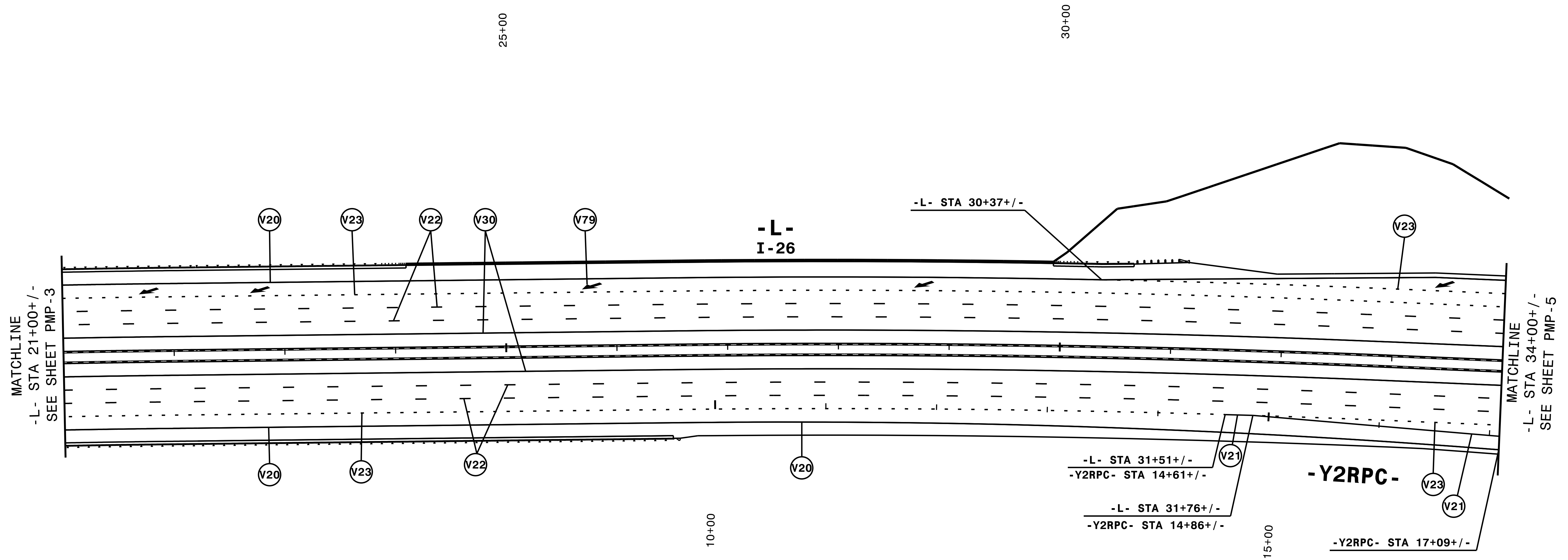
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Raleigh, North Carolina 27609
NC License No: C-1554
(919) 546-8997

PAVEMENT MARKING DETAIL

PROJECT REFERENCE NO.	SHEET NO.
I - 2513AC	PMP - 4
APPROVED: Digitally signed by: <i>Andrew D. Hinkley</i> E1079F84064E48	
DATE: 8/7/2026	
SEAL	
	
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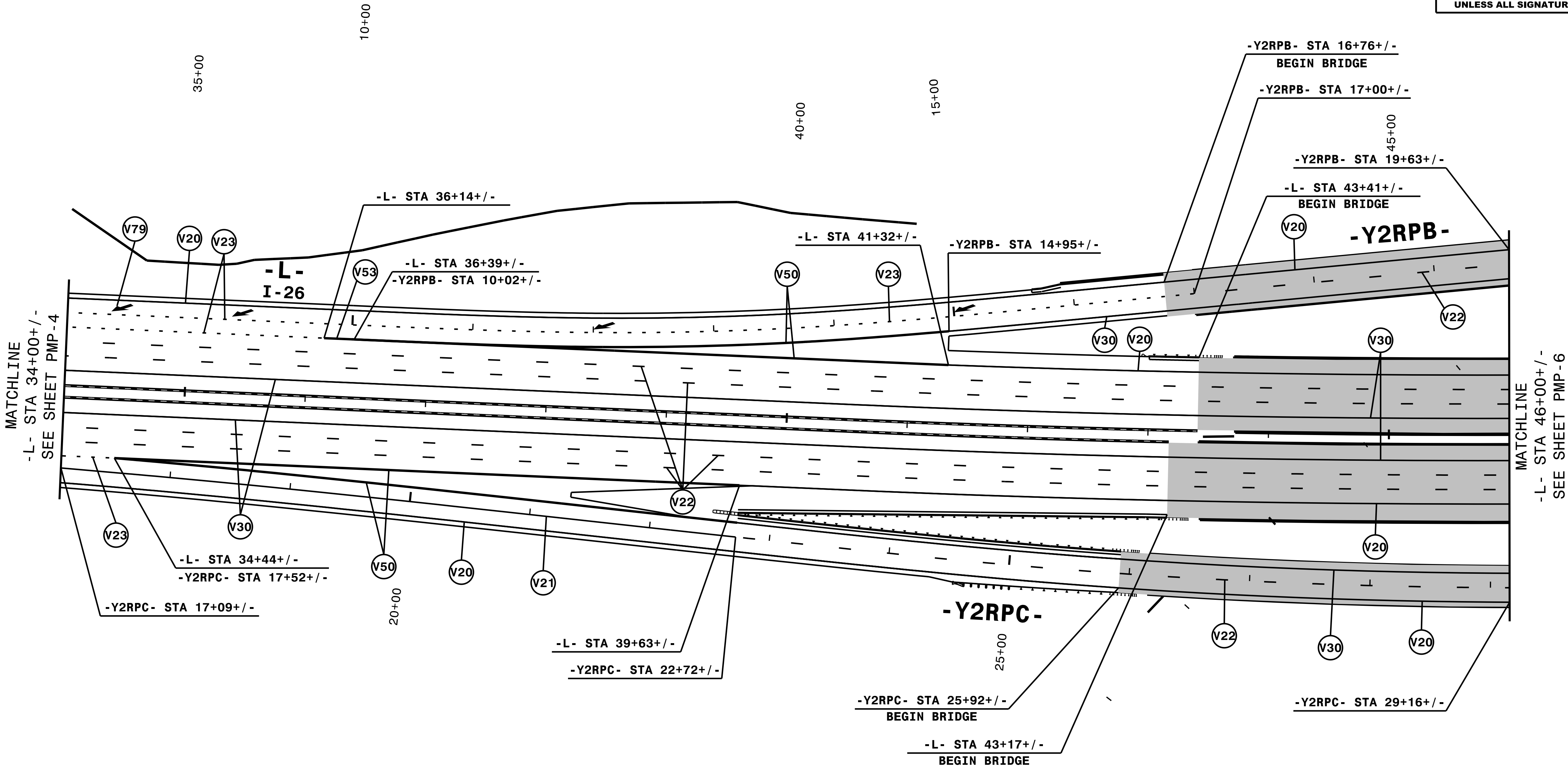
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Suite 500
Raleigh, North Carolina 27609
NC License No: C-1554
(919) 546-8997

PAVEMENT MARKING DETAIL

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I - 2513AC	PMP - 5
APPROVED: Designed by: Andrew D. Klinksek E-07187609-CA-06	
DATE: 8/7/2026	
SEAL	
NORTH CAROLINA PROFESSIONAL SEAL 403II ENGINEER ANDREW D. KLINKSEK	
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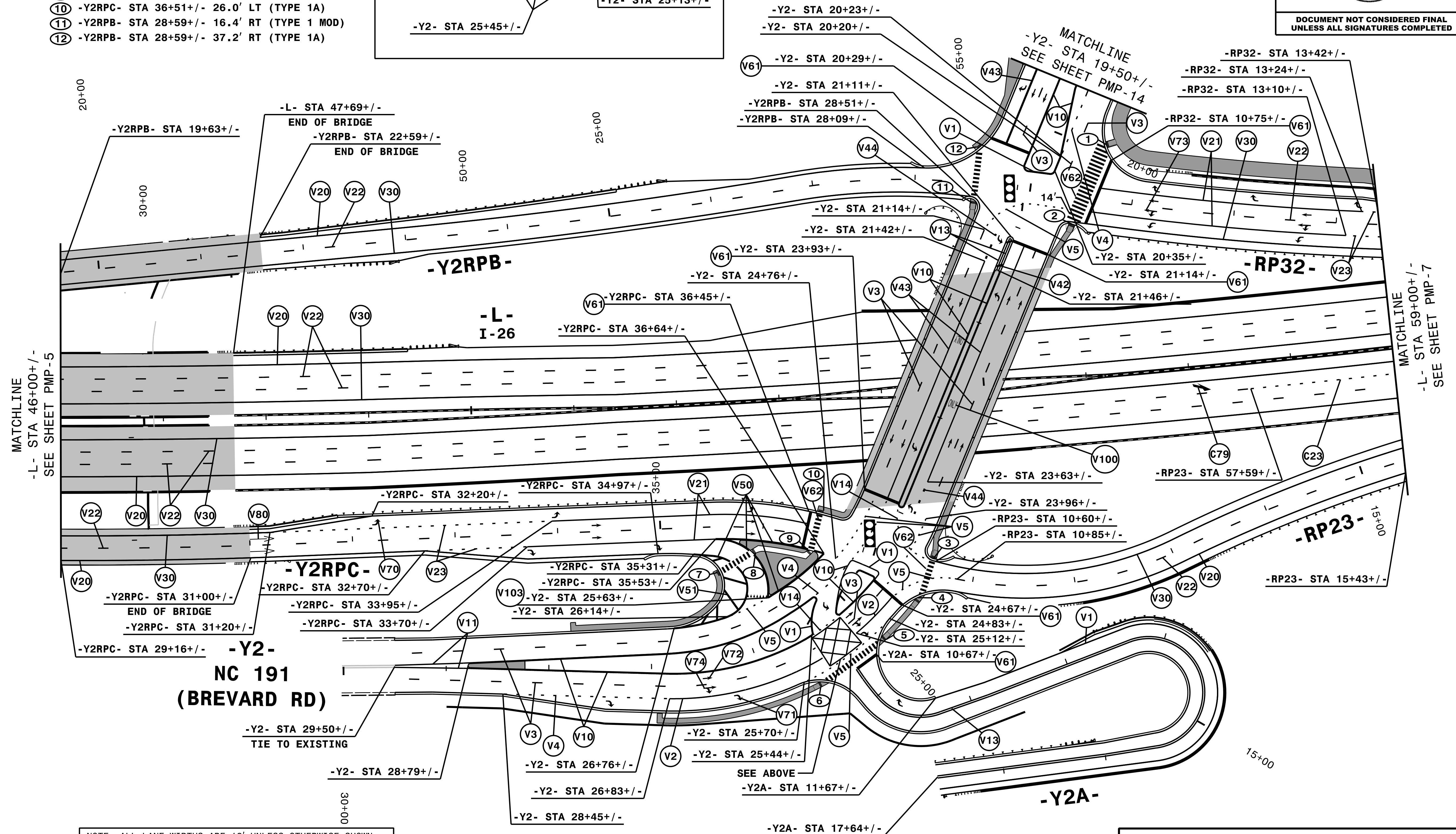
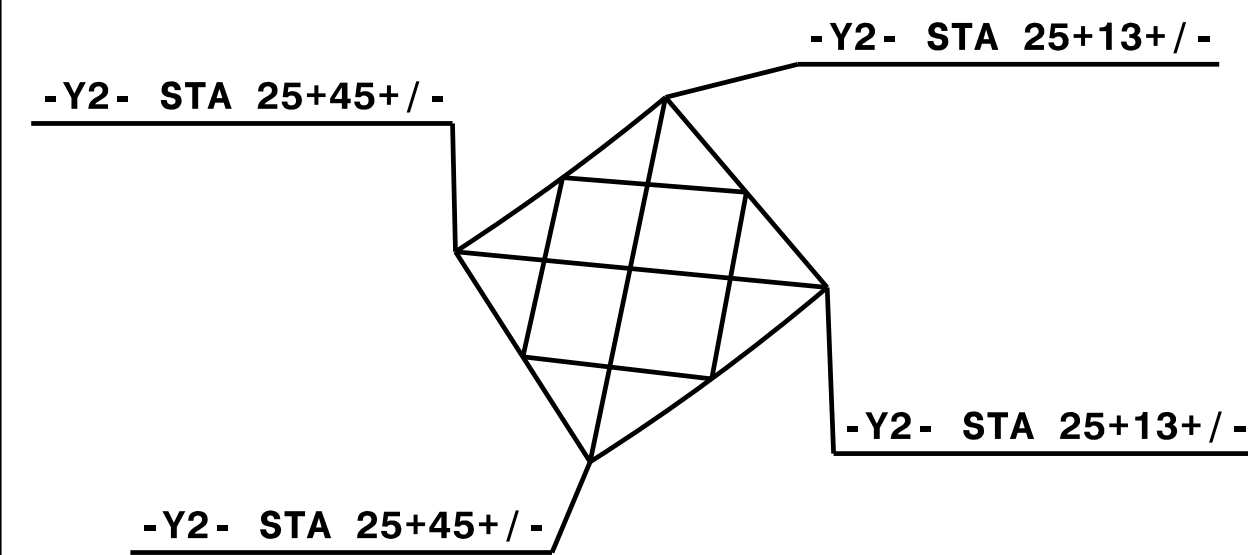
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PAVEMENT MARKING DETAIL

- | CURB RAMP LOCATIONS | |
|---------------------|--|
| ① | -RP32- STA 10+67+/- 54.7' RT (TYPE 3 MOD) |
| ② | -RP32- STA 10+45+/- 26.6' LT (TYPE 1 MOD) |
| ③ | -RP23- STA 10+57+/- 14.4' LT (TYPE 1 MOD) |
| ④ | -RP23- STA 10+51+/- 30.2' RT (TYPE 1 MOD) |
| ⑤ | -Y2A- STA 10+61+/- 39.9' LT (TYPE 1 MOD) |
| ⑥ | -Y2A- STA 10+56+/- 34.3' RT (TYPE 1 MOD) |
| ⑦ | -Y2RPC- STA 35+56+/- 44.6' RT (TYPE 1A) |
| ⑧ | -Y2RPC- STA 35+92+/- 23.6' RT (TYPE 7) |
| ⑨ | -Y2RPC- STA 36+50+/- 14.0' RT (TYPE 7) |
| ⑩ | -Y2RPC- STA 36+51+/- 26.0' LT (TYPE 1A) |
| ⑪ | -Y2RPB- STA 28+59+/- 16.4' RT (TYPE 1 MOD) |
| ⑫ | -Y2RPB- STA 28+59+/- 37.2' RT (TYPE 1A) |

DO NOT BLOCK INTERSECTION MARKINGS
ALL LINES ARE V1



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

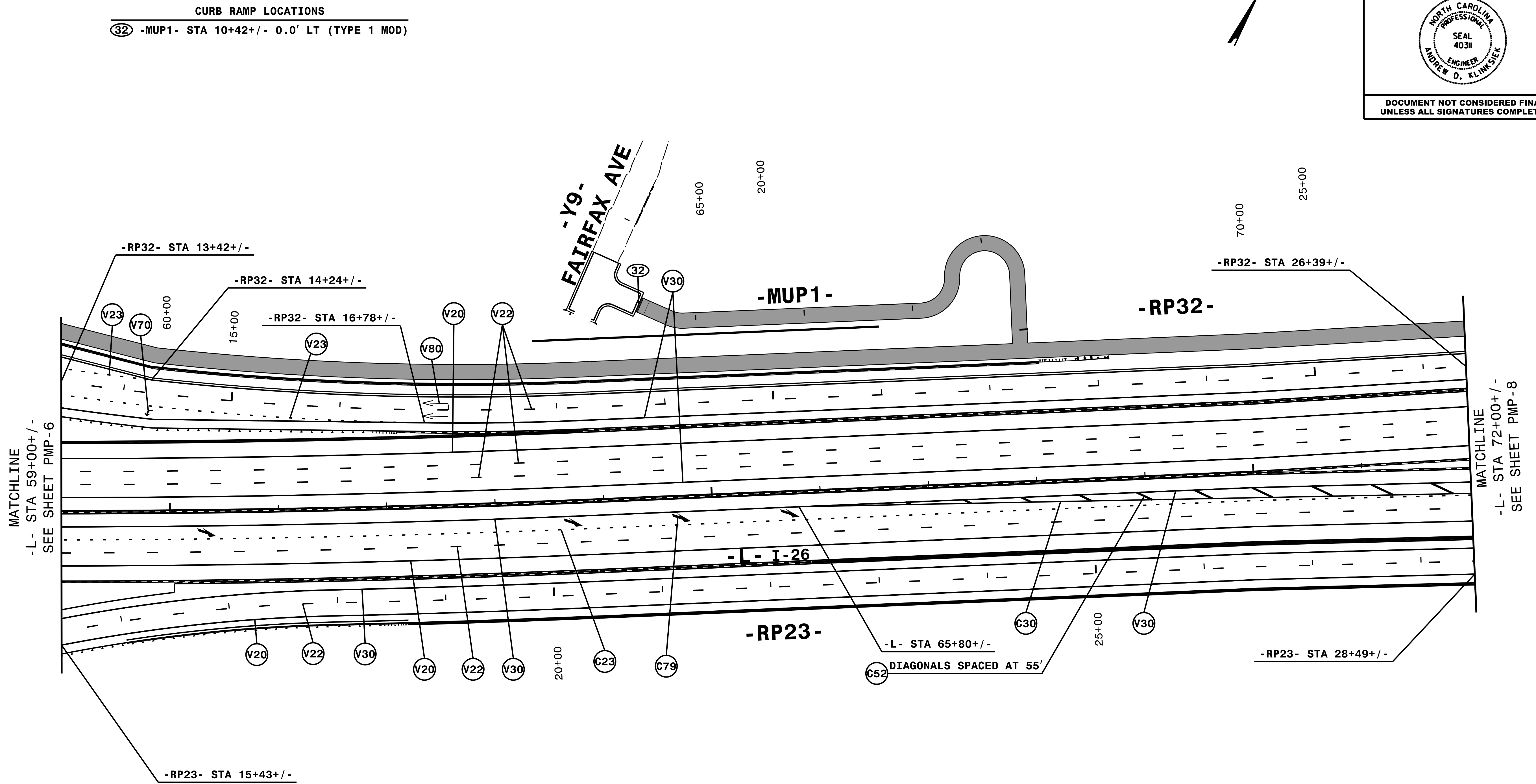
ENGINEER TO APPROVE LOCATION OF ALL UNSIGNALIZED STOPBARS.

NOTE: ALL CROSSWALKS ARE 6' WIDE UNLESS OTHERWISE SHOWN.



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4000 Center at North Hills St
Suite 500
Raleigh, North Carolina 27609
NC License No: C-1554
(919) 546-8997

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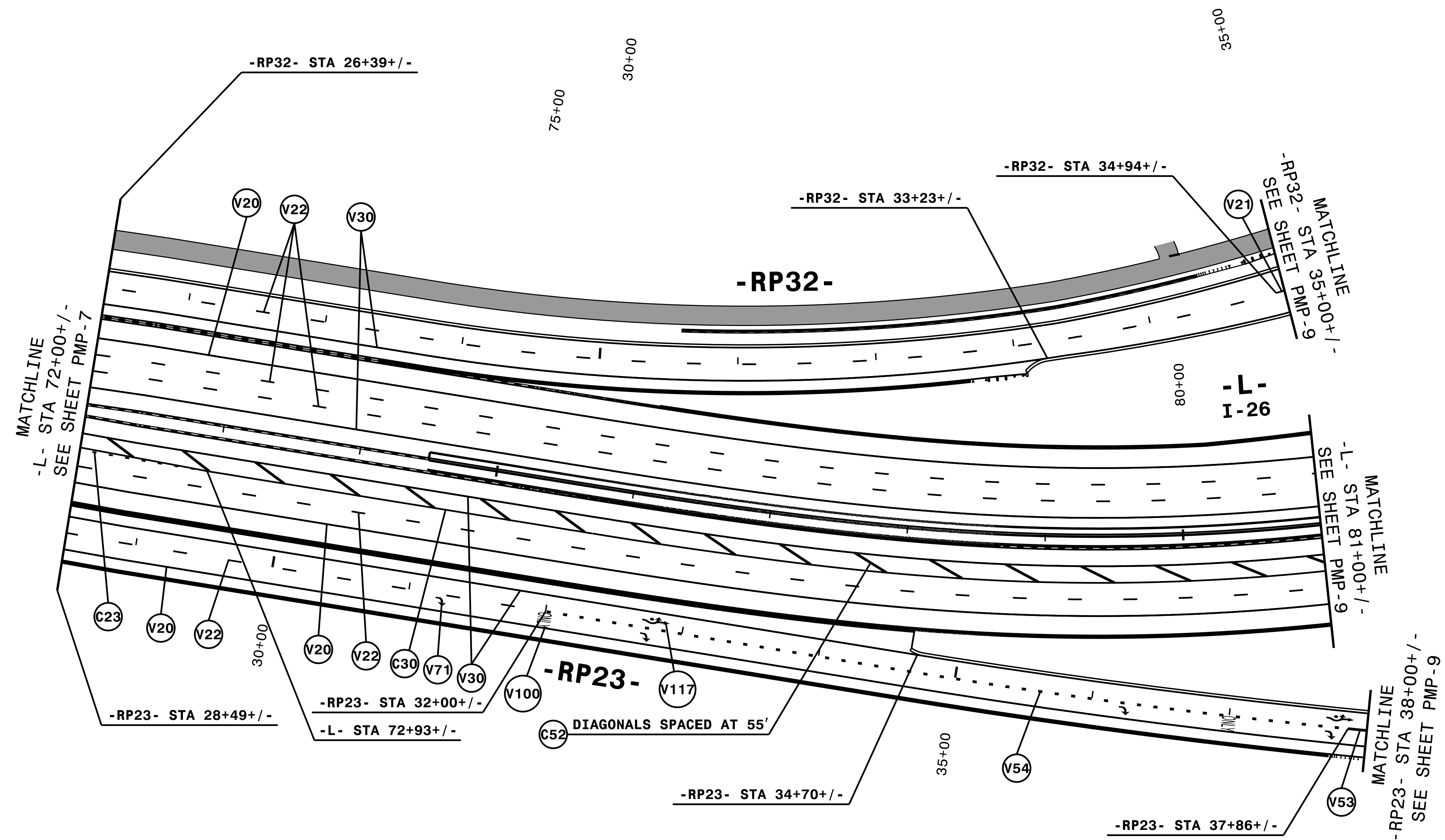


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(919) 546-8997

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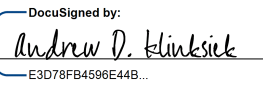


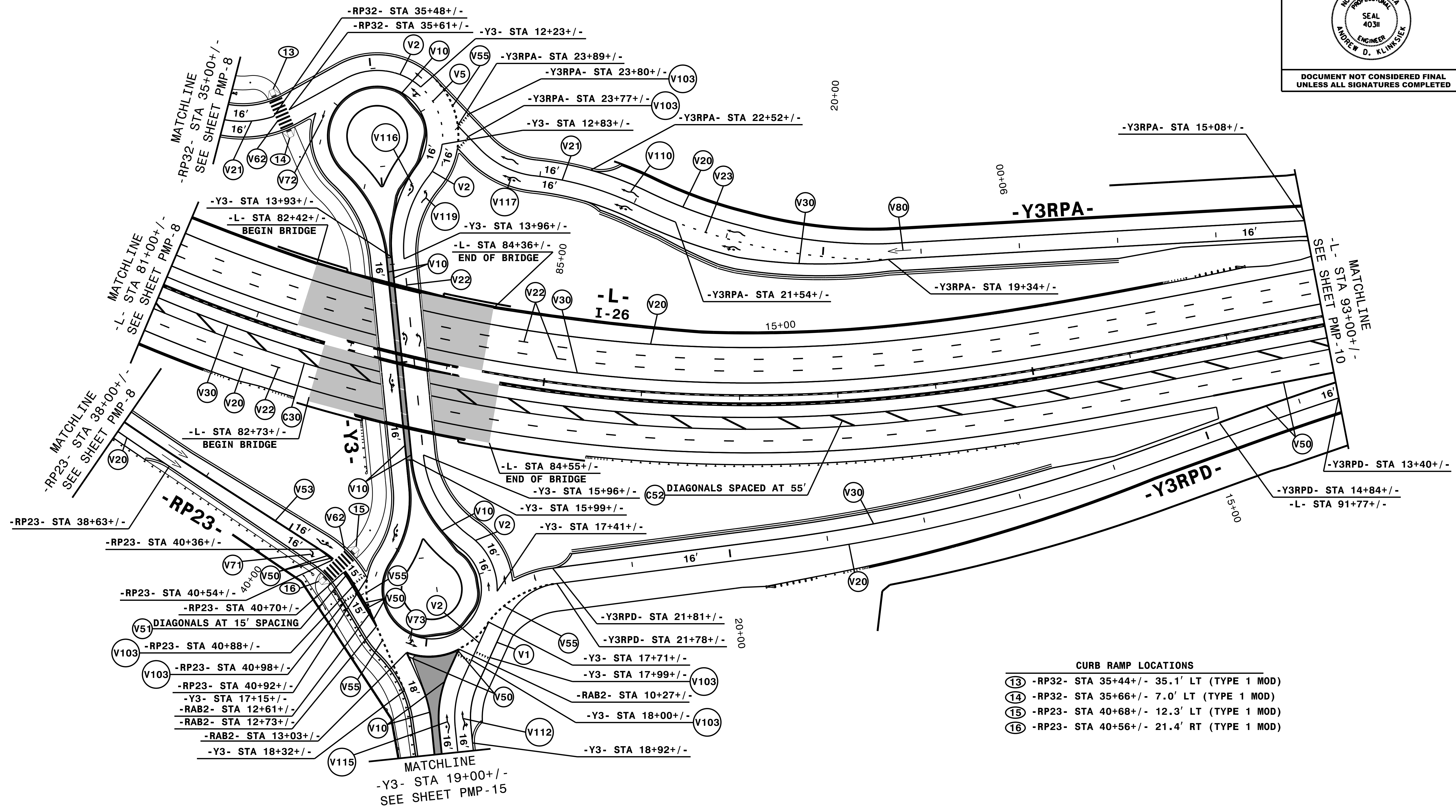
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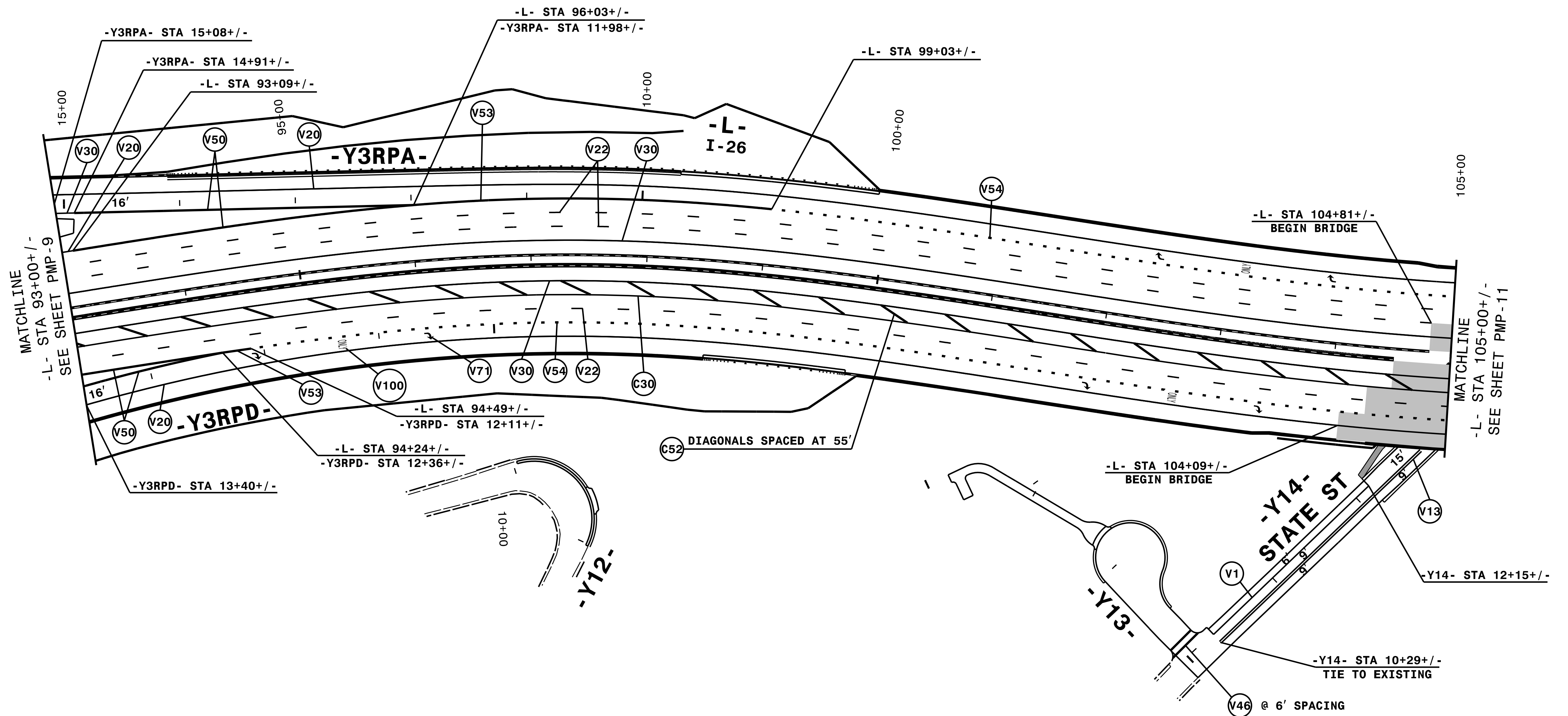


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Raleigh, North Carolina 27609
NC License No: C-1554
(919) 546-8997

PAVEMENT MARKING DETAIL

PROJECT REFERENCE NO.	SHEET NO.
I - 2513AC	PMP - 9
APPROVED:  E-07180409EAB	
DATE: 8/7/2026	
SEAL	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	





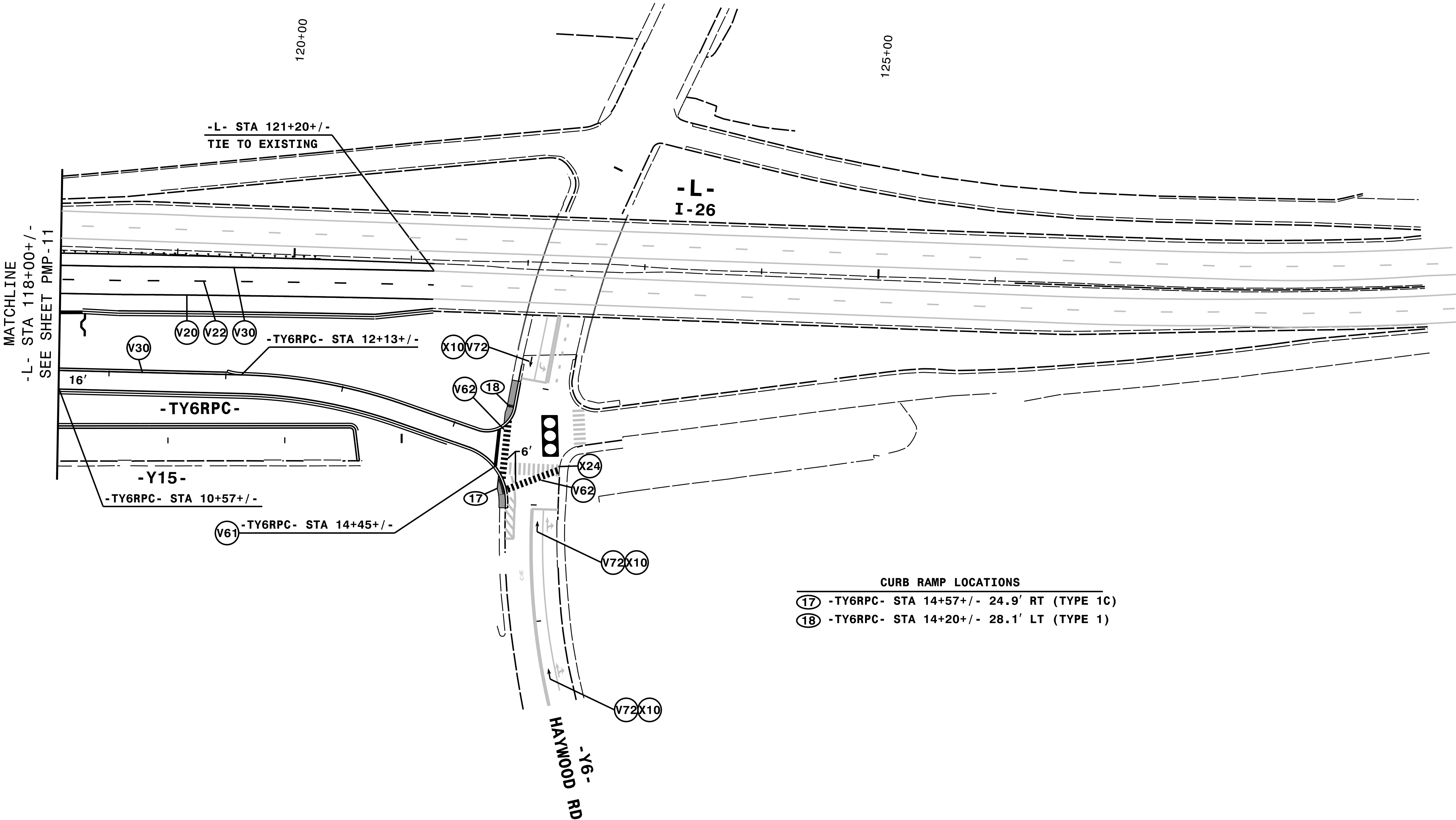
NOTE: ALL LANE WIDTHS ARE 12' UNLESS OTHERWISE SHOWN.



HNTB NORTH CAROLINA, P.C.
4000 Center at North Hills St
Suite 500
Raleigh, North Carolina 27609
NC License No: C-1554
(919) 546-8997

PAVEMENT MARKING DETAIL

PROJECT REFERENCE NO.	SHEET NO.
I - 2513AC	PMP - 12
APPROVED: Designed by: Andrew D. Klinkstok E-07187609-CAES	
DATE: 8/7/2026	
SEAL	
NORTH CAROLINA PROFESSIONAL SEAL 40311 ENGINEER ANDREW D. KLINKSTOK	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



- CURB RAMP LOCATIONS**
- ①7 -TY6RPC- STA 14+57+/- 24.9' RT (TYPE 1C)
 - ①8 -TY6RPC- STA 14+20+/- 28.1' LT (TYPE 1)

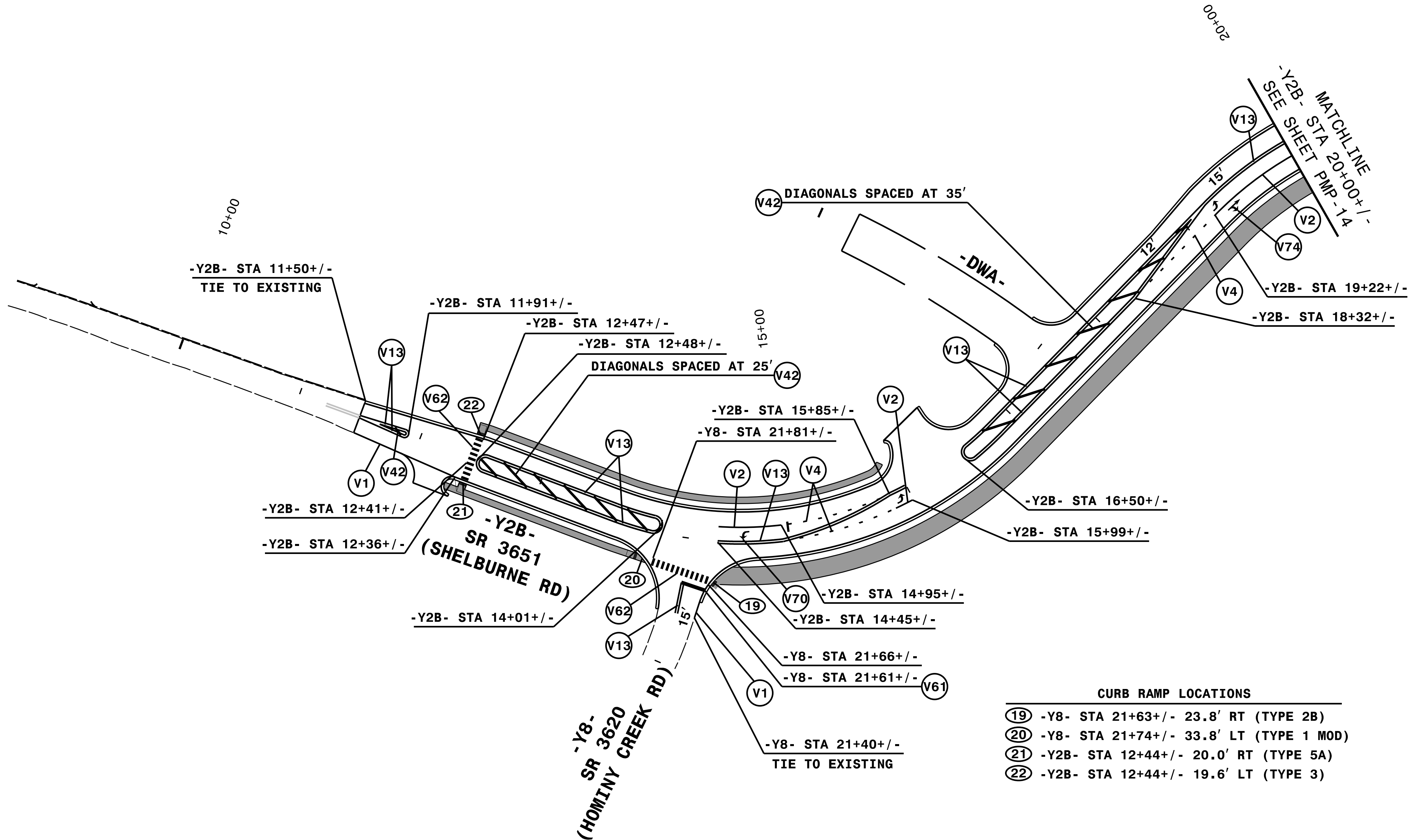
NOTE: ALL LANE WIDTHS ARE 12' UNLESS OTHERWISE SHOWN.

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HNTB NORTH CAROLINA, P.C.
4000 Center at North Hills St
Suite 500
Raleigh, North Carolina 27609
NC License No: C-1554
(919) 546-8997

PAVEMENT MARKING DETAIL

PROJECT REFERENCE NO.	SHEET NO.
I - 2513AC	PMP - 13
APPROVED: Designed by: Andrew D. Klinkstek E-07187609-NCAS	
DATE: 8/7/2026	
SEAL	
NORTH CAROLINA PROFESSIONAL SEAL 403II ENGINEER ANDREW D. KLINKSTEK	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



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

ENGINEER TO APPROVE LOCATION OF ALL UNSIGNALIZED STOPBARS.

HNTB

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4000 Center at North Hills St

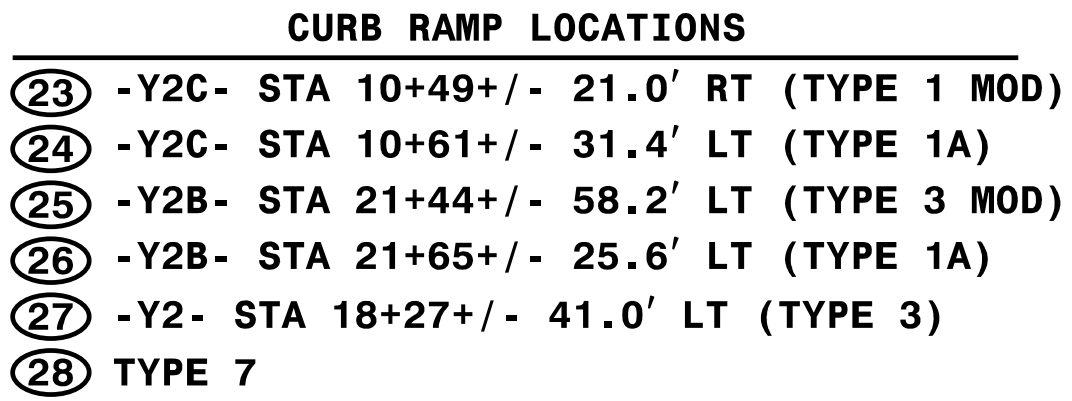
Suite 500

Raleigh, North Carolina 27609

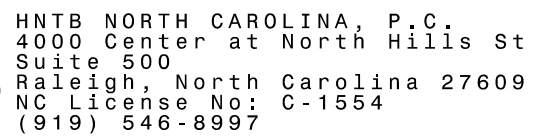
NC License No: C-1554

(919) 546-8997

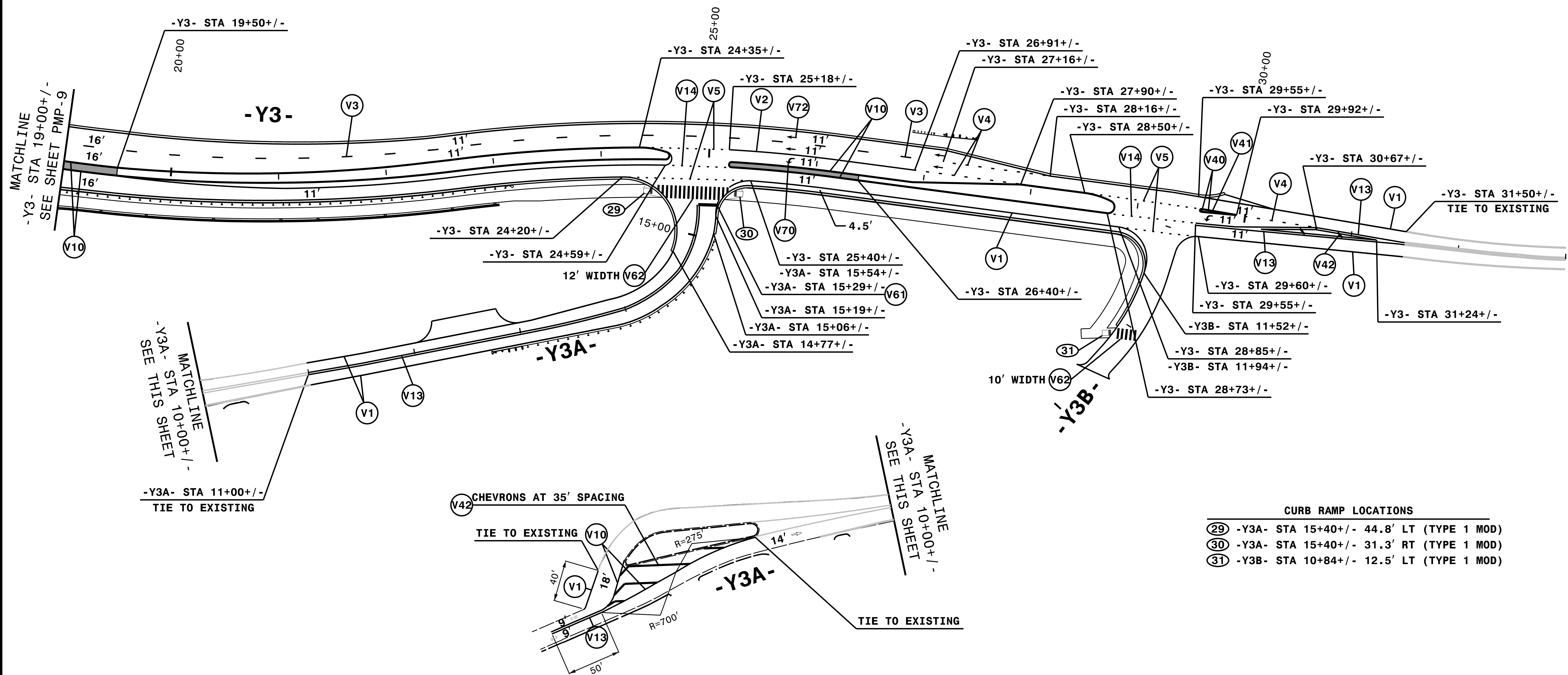
PAVEMENT MARKING DETAIL



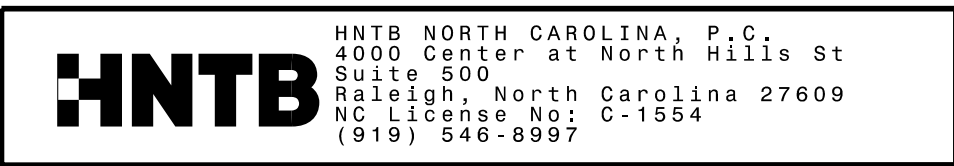
NOTE: ALL CROSSWALKS ARE 14' WIDE UNLESS OTHERWISE SHOWN.



PAVEMENT MARKING DETAIL



ENGINEER TO APPROVE LOCATION OF ALL UNSIGNALIZED STOPBARS.



PAVEMENT MARKING DETAIL