

T.I.P.: K-5002

CONTRACT: C203202

**STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLAN  
HAYWOOD COUNTY**

**LOCATION: US 23/74 - SOUTHBOUND REST AREA ON NEW LOCATION  
AS A COMPANION TO THE EXISTING NORTHBOUND REST AREA**

<small>TIP NO.</small> K-5002	<small>SHEET NO.</small> PMP-1
<small>APPROVED:</small>	
<small>DATE:</small> 2/4/14	
<small>SEAL</small>	

**PAVEMENT MARKING  
SCHEDULE**

<small>SYMB</small>	<small>DESCRIPTION</small>
	<small>FINAL PAVEMENT MARKINGS</small>
	<small>PAINT (24")</small>
P3	WHITE CROSSWALK LINE
	<small>THERMO (24", 120 MILS)</small>
T2	WHITE STOPBAR
	<small>POLYUREA (4") Highly Reflective Elements</small>
V8	2 FT. - 6 FT./SP WHITE MINISKIP
V9	2 FT. - 6 FT./SP YELLOW MINISKIP
VA	WHITE EDGELINE
VD	3 FT. - 9 FT./SP WHITE MINISKIP
VE	WHITE SOLID LANE LINE
	<small>POLYUREA (8") Highly Reflective Elements</small>
VN	WHITE GORELINE
	<small>THERMO (8", 90 MILS)</small>
TO	WHITE DIAGONAL
	<small>THERMO PAVEMENT MARKING SYMBOLS (90 MILS)</small>
UB	RIGHT TURN ARROW
UC	STRAIGHT ARROW
UH	HANDICAP PARKING
UT	U-TURN ARROW
	<small>MARKERS</small>
	<small>SNOWPLOWABLE RAISED PAVEMENT MARKERS</small>
MF	CRYSTAL & RED

**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:

<small>STD. NO.</small>	<small>TITLE</small>
1205.01	PAVEMENT MARKINGS - LINE TYPES AND OFFSETS
1205.02	PAVEMENT MARKINGS - TWO-LANE AND MULTILANE ROADWAYS
1205.03	PAVEMENT MARKINGS - EXIT AND ENTRANCE RAMPS
1205.04	PAVEMENT MARKINGS - INTERSECTIONS
1205.05	PAVEMENT MARKINGS - TURN LANES
1205.08	PAVEMENT MARKINGS - SYMBOLS AND WORD MESSAGES
1205.09	PAVEMENT MARKINGS - PAINTED ISLANDS
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

**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:

<small>ROAD NAME</small>	<small>MARKING</small>	<small>MARKER</small>
EXISTING REST AREA	POLYUREA & THERMOPLASTIC	NONE
US 23/74 AUX LANE	POLYUREA & THERMOPLASTIC	SNOWPLOWABLE
PROPOSED REST AREA	PAINT	NONE

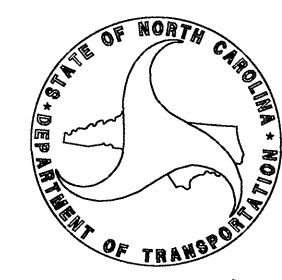
- B) PLACE TWO APPLICATIONS OF PAINT PAVEMENT MARKINGS ON THE FINAL WEARING SURFACE. PLACE THE SECOND APPLICATION OF PAINT UPON SUFFICIENT DRYING TIME OF THE FIRST.
- C) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.
- D) REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS AND MARKERS.
- E) PASSING ZONES WILL BE DETERMINED IN THE FIELD AND MUST BE APPROVED BY THE ENGINEER.
- F) STOP BAR LOCATION AT NON-SIGNALIZED INTERSECTIONS MAY BE ADJUSTED AS DIRECTED BY THE ENGINEER.
- 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.


**INDEX**

<small>SHEET NO.</small>	<small>DESCRIPTION</small>
PMP-1	PAVEMENT MARKING PLAN TITLE AND SCHEDULE SHEET
PMP-2	CROSSWALK PAVEMENT MARKING GUIDANCE DETAIL
PMP-3-5	PAVEMENT MARKING PLANS

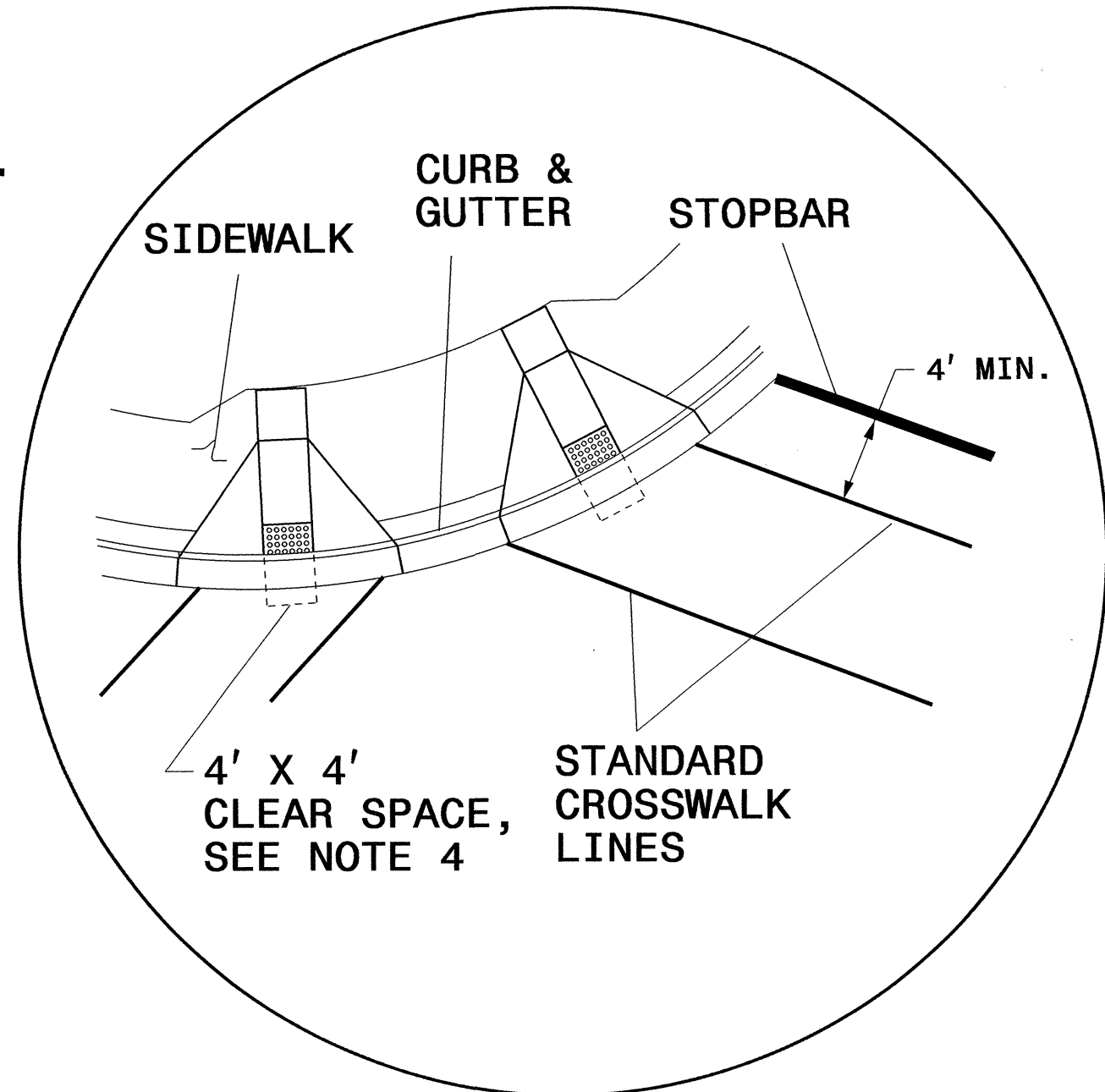
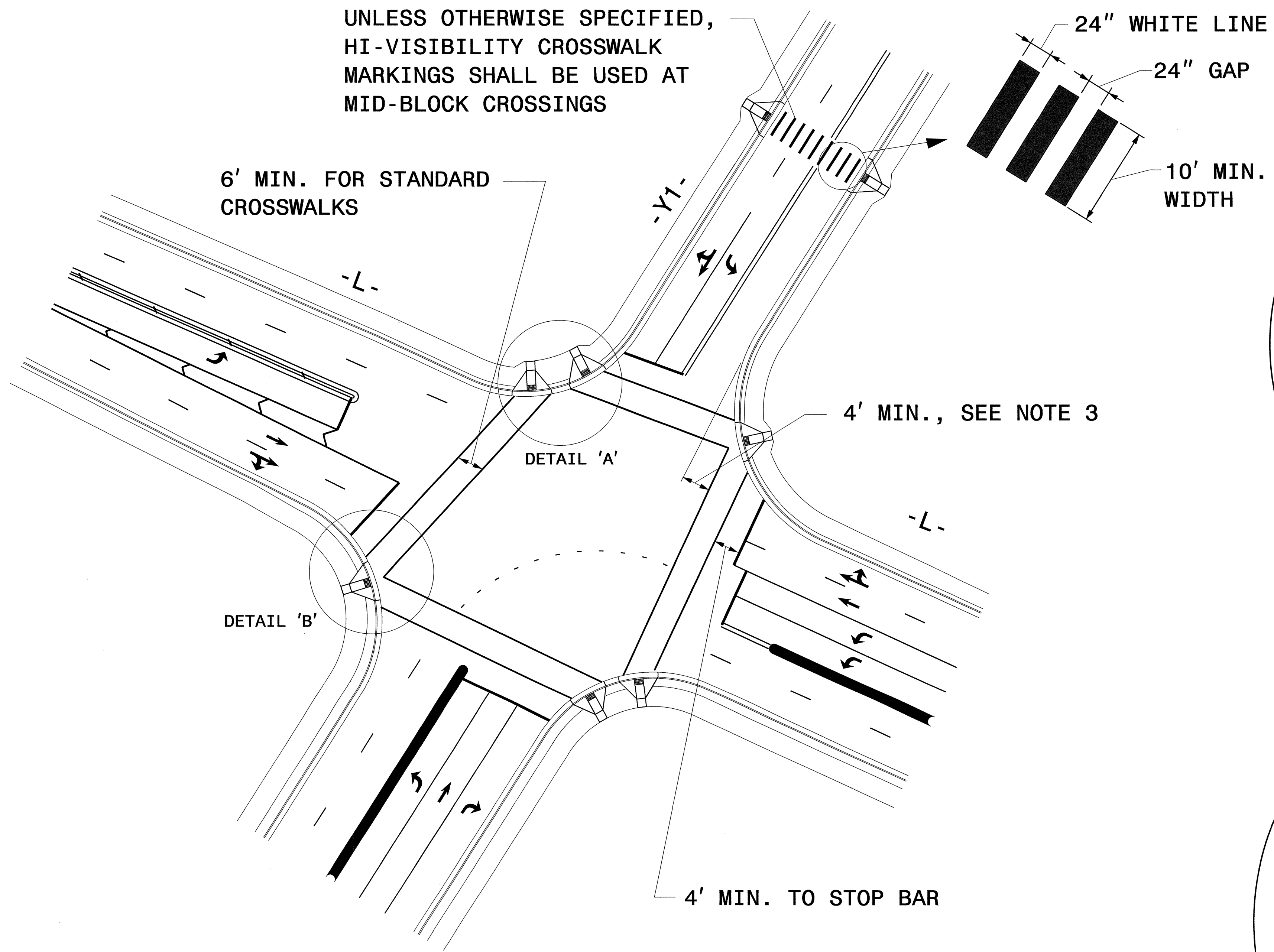
PLAN PREPARED BY: N.C.D.O.T. SIGNING AND DELINEATION UNIT

K. JORDAN SIGNING & DELINEATION REGIONAL ENGINEER  
D. BEARD SIGNING & DELINEATION PROJECT DESIGN ENGINEER

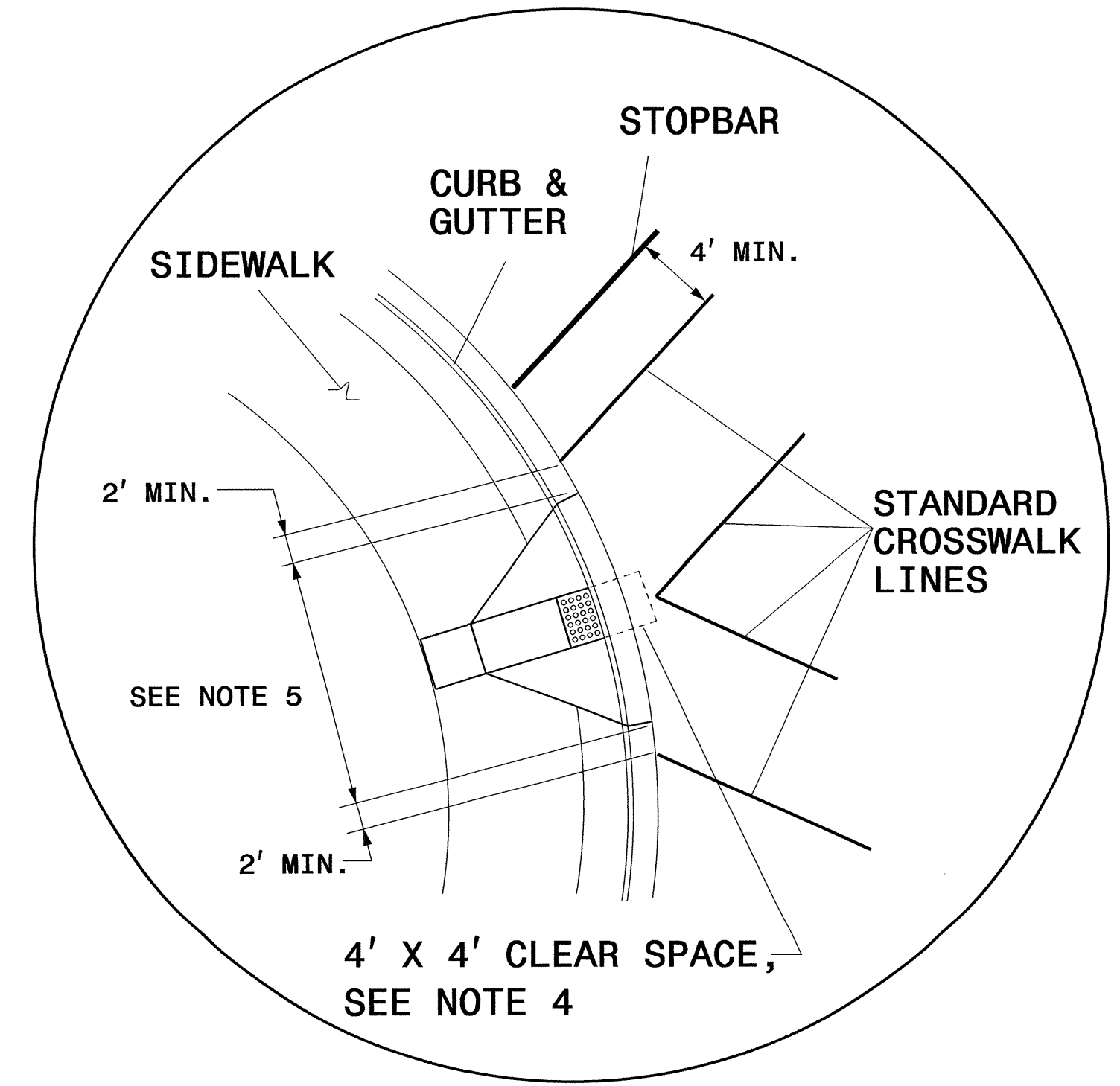


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REVISIONS	

UNLESS OTHERWISE SPECIFIED,  
HI-VISIBILITY CROSSWALK  
MARKINGS SHALL BE USED AT  
MID-BLOCK CROSSINGS



DETAIL 'A'- DUAL CURB RAMPS



DETAIL 'B'- SINGLE DIAGONAL CURB RAMP


**GUIDANCE DETAIL FOR CROSSWALK MARKINGS**

**NOTES:**

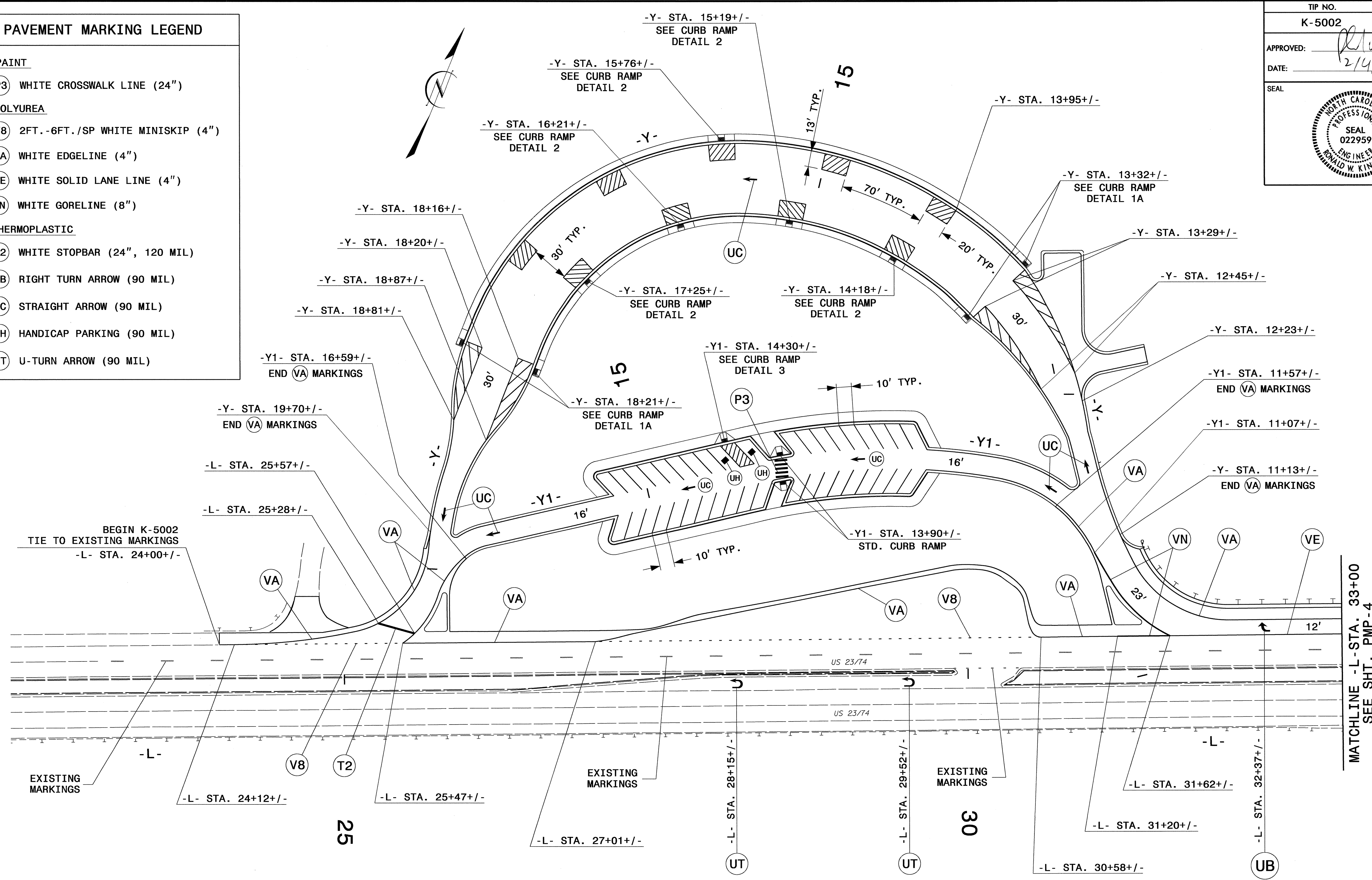
- USE THE DETAILS ABOVE AND THE FOLLOWING NOTES FOR GUIDANCE IN PLACING CROSSWALK MARKINGS NOT STATIONED ON THE DETAIL SHEETS OR WHEN FIELD ADJUSTMENTS REQUIRED MOVING STATIONED MARKINGS AS DIRECTED BY THE ENGINEER. REFER TO NCDOT ROADWAY STANDARD DRAWINGS, MUTCD AND ADA STANDARDS FOR ADDITIONAL GUIDANCE.
- THE CROSSWALK MARKINGS SHOWN ON THE ABOVE DETAILS ARE FOR REFERENCE ONLY. ONLY INSTALL CROSSWALK MARKINGS WHERE SHOWN ON THE DETAIL SHEETS OR AS DIRECTED BY THE ENGINEER. THE CROSSWALK MARKING TYPE, STANDARD OR HI-VISIBILITY, SHALL BE INSTALL AS SPECIFIED ON THE DETAIL SHEETS OR AS DIRECTED BY THE ENGINEER.
- SET BACK DISTANCE FROM INSIDE CROSSWALK MARKING TO NEAREST EDGE OF TRAVEL IS 4' MIN.
- BEYOND THE BOTTOM GRADE BRAKE, A CLEAR SPACE OF 4' X 4' MINIMUM SHALL BE PROVIDED WITHIN THE MARKINGS.
- SINGLE DIAGONAL CURB RAMPS WITH FLARED SIDES SHALL HAVE A SEGMENT OF CURB 2 FEET LONG MINIMUM LOCATED ON EACH SIDE OF THE CURB RAMP AND WITHIN THE MARKED CROSSING, SEE DETAIL 'B'.
- CURB RAMPS SHALL BE CONSTRUCTED IN ACCORDANCE TO THE LATEST NCDOT ROADWAY STANDARD DRAWINGS.

**CROSSWALK PAVEMENT MARKING  
GUIDANCE DETAIL**

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PAVEMENT MARKING LEGEND	
<b>PAINT</b>	
(P3)	WHITE CROSSWALK LINE (24")
<b>POLYUREA</b>	
(V8)	2FT.-6FT./SP WHITE MINISKIP (4")
(VA)	WHITE EDGELINE (4")
(VE)	WHITE SOLID LANE LINE (4")
(VN)	WHITE GORELINE (8")
<b>THERMOPLASTIC</b>	
(T2)	WHITE STOPBAR (24", 120 MIL)
(UB)	RIGHT TURN ARROW (90 MIL)
(UC)	STRAIGHT ARROW (90 MIL)
(UH)	HANDICAP PARKING (90 MIL)
(UT)	U-TURN ARROW (90 MIL)


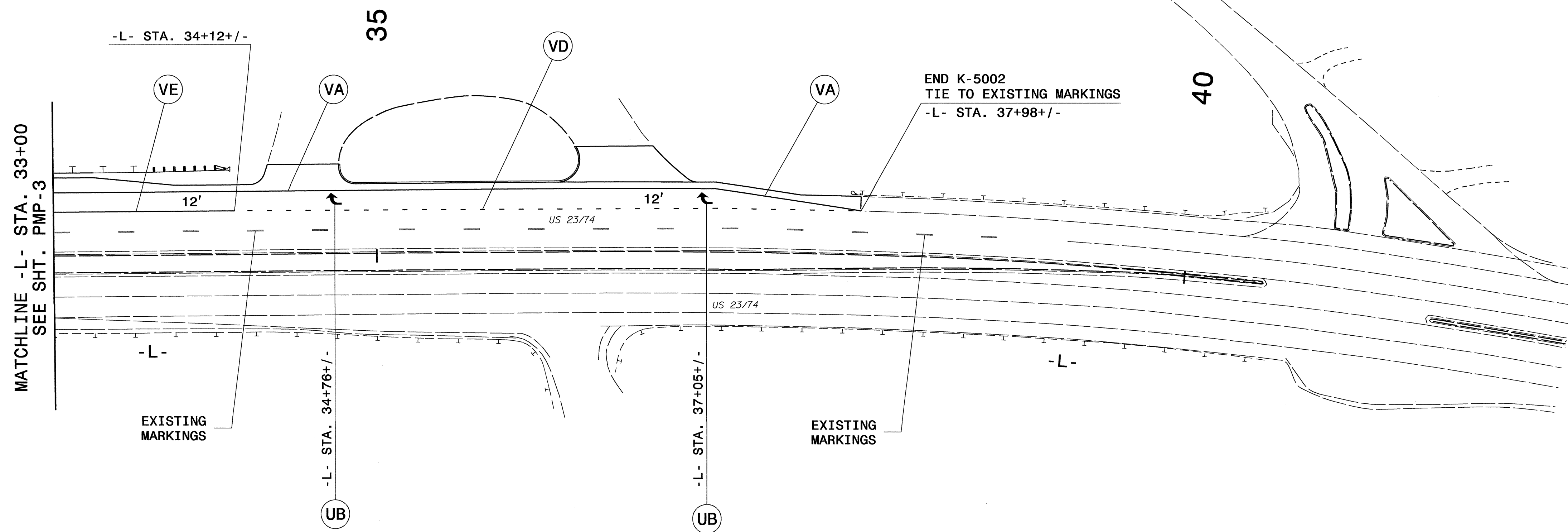


**NOTE:**  
 ALL MARKINGS IN REST AREA  
 PARKING LOT, UNLESS OTHERWISE  
 SPECIFIED, SHALL BE 4" WHITE PAINT  
 WITH GLASS BEADS FOR REFLECTIVITY

**PAVEMENT MARKING DETAIL**

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TIP NO.	SHEET NO.
K-5002	PMP-4
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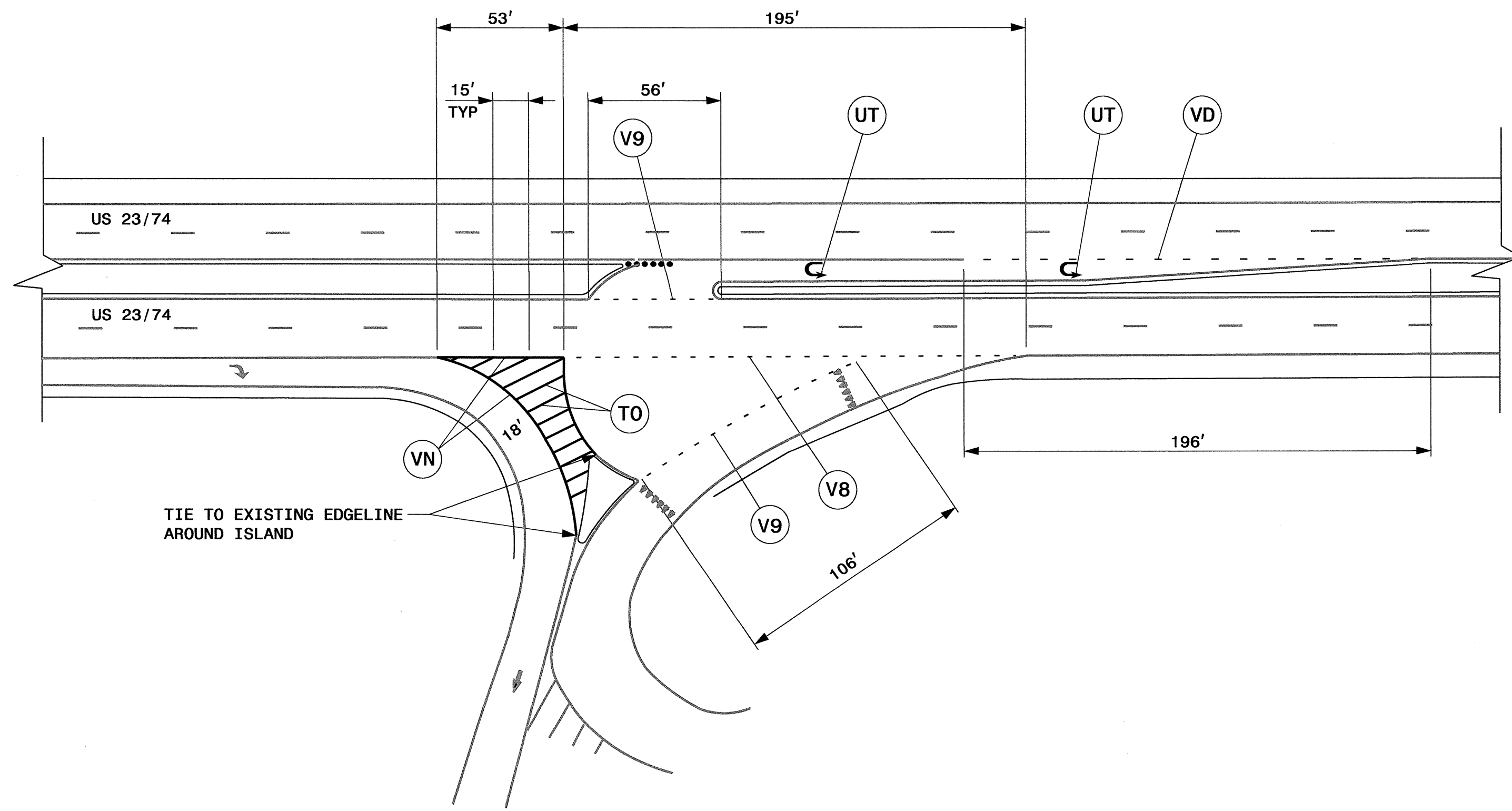



PAVEMENT MARKING LEGEND	
<u>POLYUREA</u>	
(VA)	WHITE EDGELINE (4")
(VD)	3FT.-9FT./SP WHITE MINISKIP (4")
(VE)	WHITE SOLID LANE LINE (4")
<u>THERMOPLASTIC</u>	
(UB)	RIGHT TURN ARROW (90 MIL)

**PAVEMENT MARKING DETAIL**

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TIP NO. K-5002	SHEET NO. PMP-5
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PAVEMENT MARKING LEGEND	
<u>THERMOPLASTIC</u>	
(T0)	WHITE DIAGONAL (8", 90 MIL)
(UT)	U-TURN ARROW (90 MIL)
<u>POLYUREA</u>	
(V8)	2FT.-6FT./SP WHITE MINISKIP (4")
(V9)	2FT.-6FT./SP YELLOW MINISKIP (4")
(VD)	3FT.-9FT./SP WHITE MINISKIP (4")
(VN)	WHITE GORELINE (8")

**PAVEMENT MARKING DETAIL**