


STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

TIP NO.	SHEET NO.
I - 5501	PMP - 1
APPROVED: <i>[Signature]</i>	
DATE: 7/17/13	
SEAL	
	

PAVEMENT MARKING PLAN  
BUNCOMBE COUNTY

LOCATION: I-26/NC-280 INTERCHANGE IN ASHEVILLE

T.I.P.: I-5501

CONTRACT: C203200

**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:

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
1205.12	PAVEMENT MARKINGS - BRIDGES
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
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
ALL	Polyurea w/Highly Reflective Elements	Snowplowable (Raised on Bridge Decks)

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 ALL CONCRETE BRIDGE DECKS PRIOR TO PLACING POLYUREA PAVEMENT MARKING MATERIAL.

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

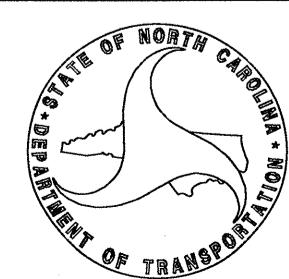
H) USED HEATED-IN-PLACE THERMOPLASTIC OR COLD APPLIED PLASTIC PAVEMENT MARKING FOR SYMBOLS, CHARACTERS AND MARKING WHERE POLYUREA IS NOT PRACTICAL.

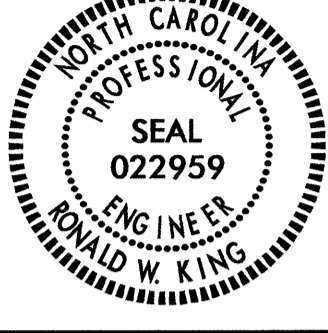
**INDEX**

SHEET NO.	DESCRIPTION
PMP-1	PAVEMENT MARKING PLAN TITLE
PMP-2	CROSSWALK AND STOP BAR PAVEMENT MARKING DETAIL
PMP-3	PAVEMENT MARKING SCHEDULE
PMP-4-5	PAVEMENT MARKING DETAIL

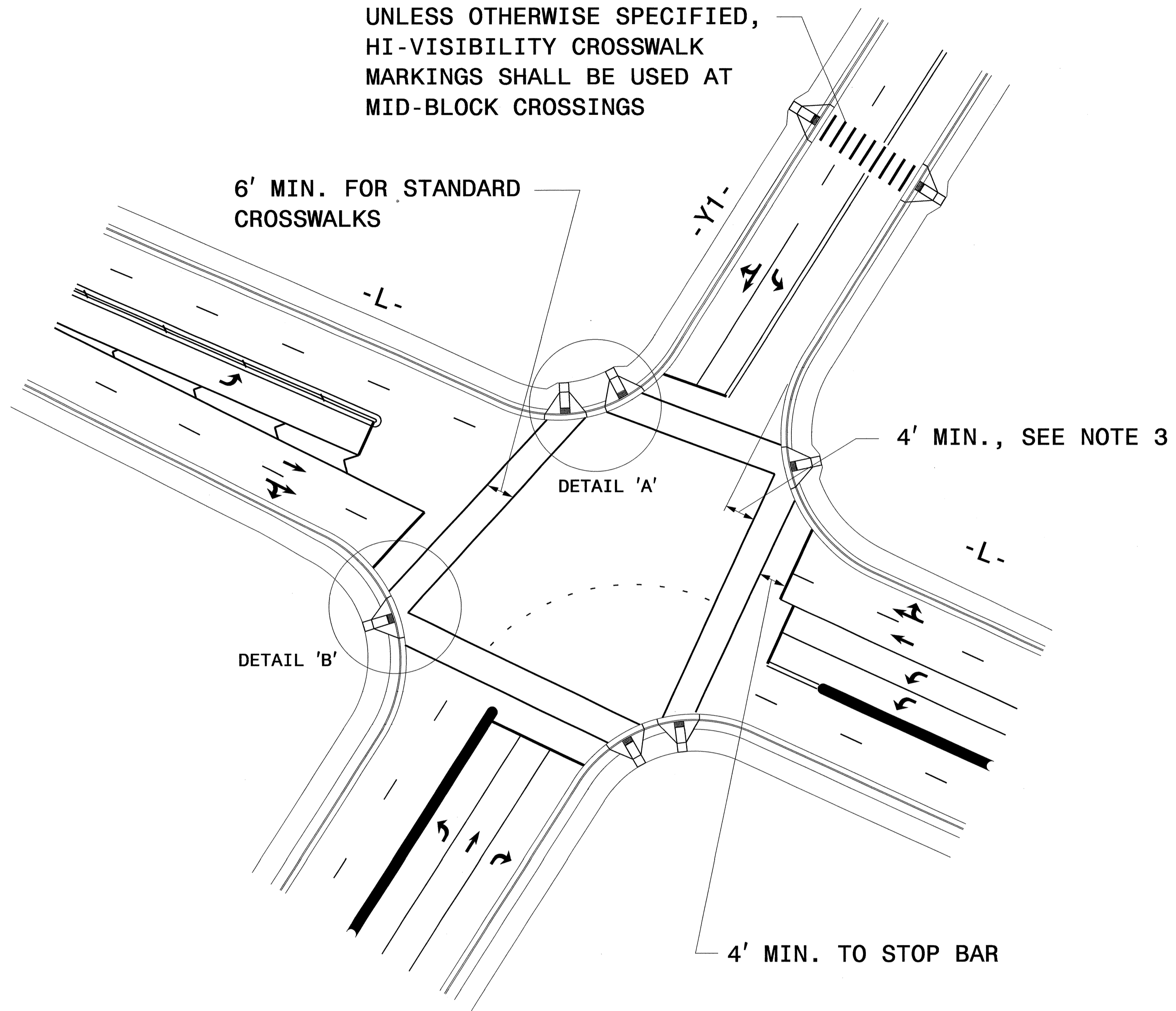
PLAN PREPARED BY: N.C.D.O.T. SIGNING AND DELINEATION UNIT

K. L. JORDAN SIGNING & DELINEATION REGIONAL ENGINEER  
J. G. MARTINEZ SIGNING & DELINEATION PROJECT DESIGN ENGINEER/TECHNICIAN



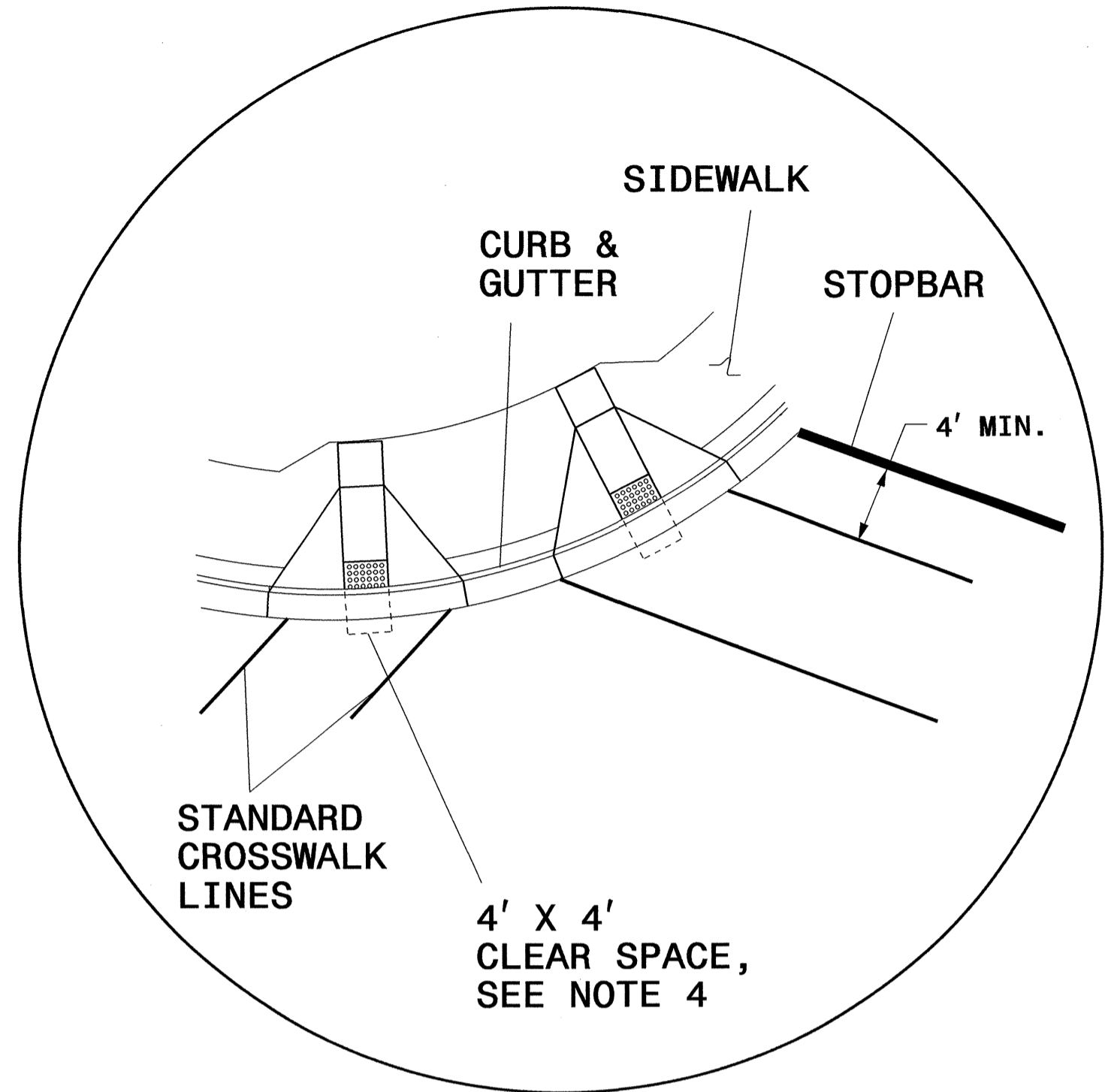
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UNLESS OTHERWISE SPECIFIED,  
HI-VISIBILITY CROSSWALK  
MARKINGS SHALL BE USED AT  
MID-BLOCK CROSSINGS

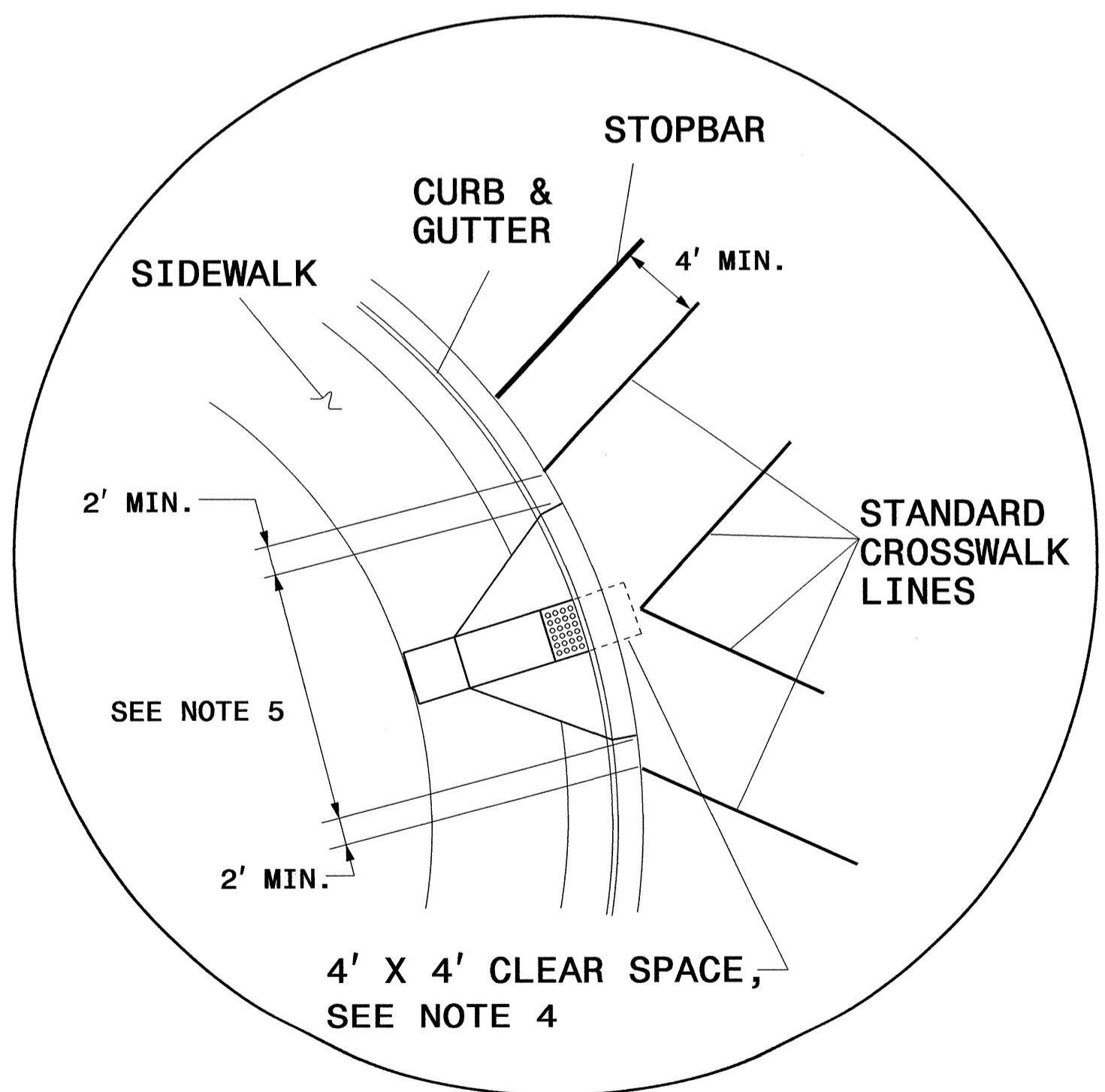


**GUIDANCE DETAIL FOR CROSSWALK MARKINGS**

- 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.



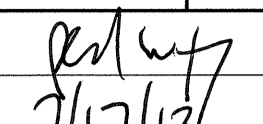

DETAIL 'A'- DUAL CURB RAMPS



DETAIL 'B'- SINGLE DIAGONAL CURB RAMP

**CROSSWALK PAVEMENT MARKING  
GUIDANCE DETAIL**

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**PAVEMENT  
MARKING SCHEDULE**

THERMOPLASTIC (24", 120 MILS)

T2 WHITE STOPBAR  
T3 WHITE CROSSWALK LINE

THERMOPLASTIC PAVEMENT MARKING CHARACTER (120 MILS)

UI ALPHANUMERIC CHAR.

THERMOPLASTIC PAVEMENT MARKING SYMBOLS (90 MILS)

UA LEFT TURN ARROW  
UB RIGHT TURN ARROW  
UC STRAIGHT ARROW  
UD COMBO. STRAIGHT/LEFT  
UE COMBO. STRAIGHT/RIGHT  
UF COMBO. LEFT/RIGHT  
UG COMBO. LEFT/RIGHT/STRAIGHT  
UP MERGE ARROW

POLYUREA (4") HIGHLY REFLECTIVE ELEMENTS

V8 2 FT. - 6 FT./SP WHITE MINISKIP  
V9 2 FT. - 6 FT./SP YELLOW MINISKIP  
VA WHITE EDGELINE  
VB YELLOW EDGELINE  
VC 10 FT. WHITE SKIP  
VD 2 FT. - 9 FT./SP WHITE MINISKIP  
VE WHITE SOLID LANE LINE  
VI YELLOW DOUBLE CENTER

THERMOPLASTIC (8", 120 MILS)

TQ WHITE CROSSWALK LINE

PERMANENT RAISED PAVEMENT MARKERS

MB - CRYSTAL & RED -L- BRIDGE LANE LINES  
MB - CRYSTAL & RED -L- BRIDGE MINISKIP LINES  
MB - CRYSTAL & RED -L- BRIDGE SKIPS LINES

SNOWPLOWABLE RAISED PAVEMENT MARKERS

ME - YELLOW & YELLOW DOUBLE YELLOW  
MF - CRYSTAL & RED MINISKIPS LINES  
MF - CRYSTAL & RED LANE LINES  
MF - CRYSTAL & RED LINE SKIPS

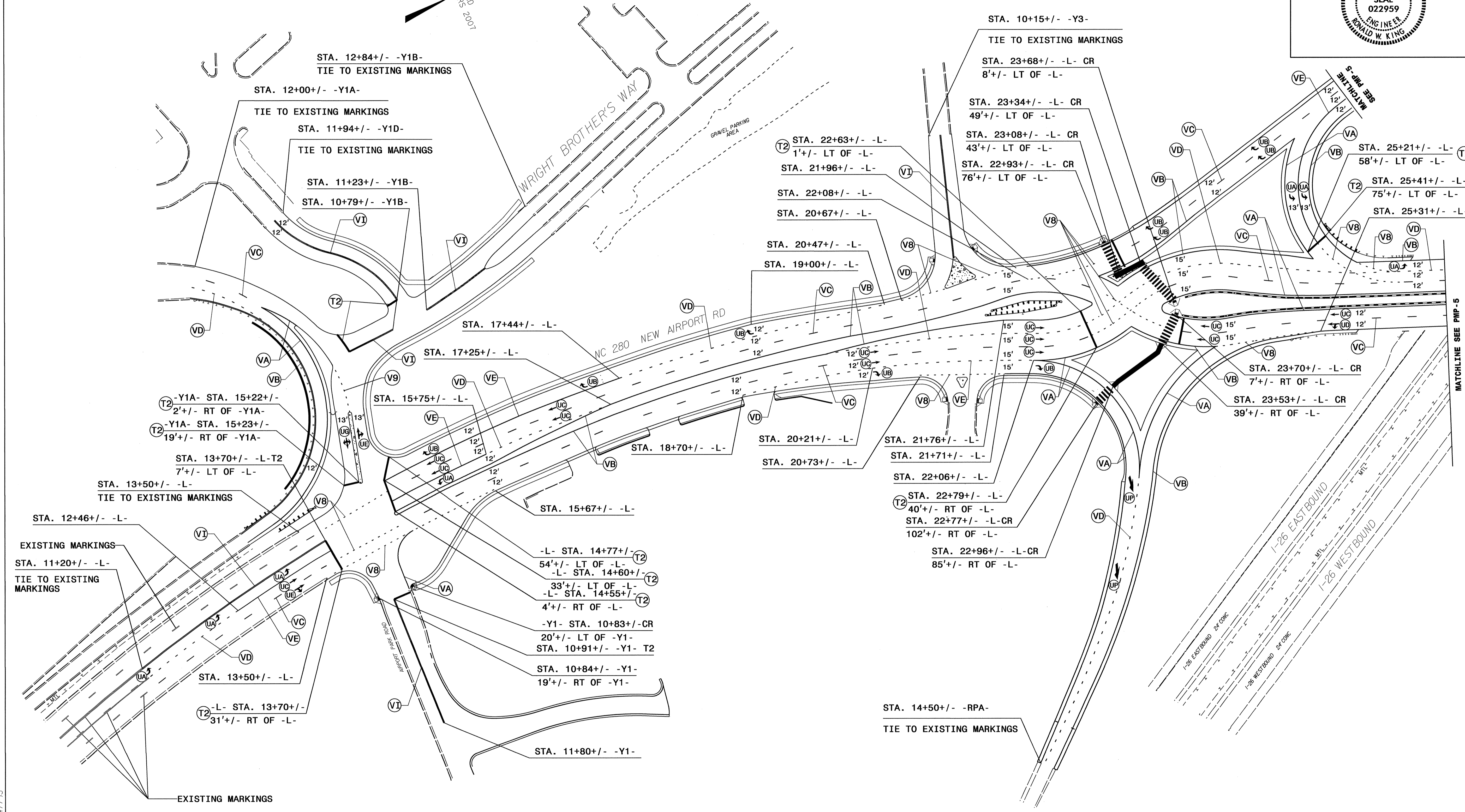
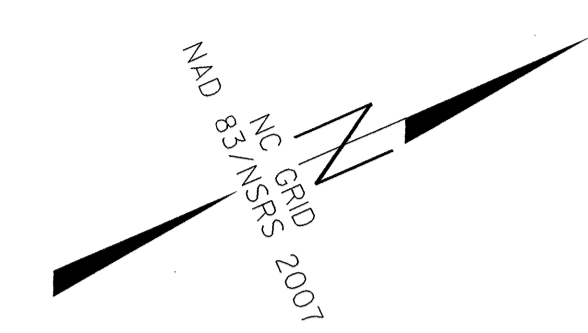
CURING COMPOUND REMOVAL (PAVEMENT MARKING LINES)  
CURING COMPOUND REMOVAL (PAVEMENT MARKING SYMBOLS AND CHARACTERS)  
\*NO CURING COMPOUND REMOVAL ON BRIDGE DECKS

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**PAVEMENT MARKING DETAIL**




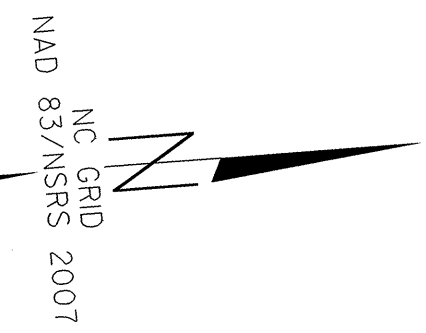
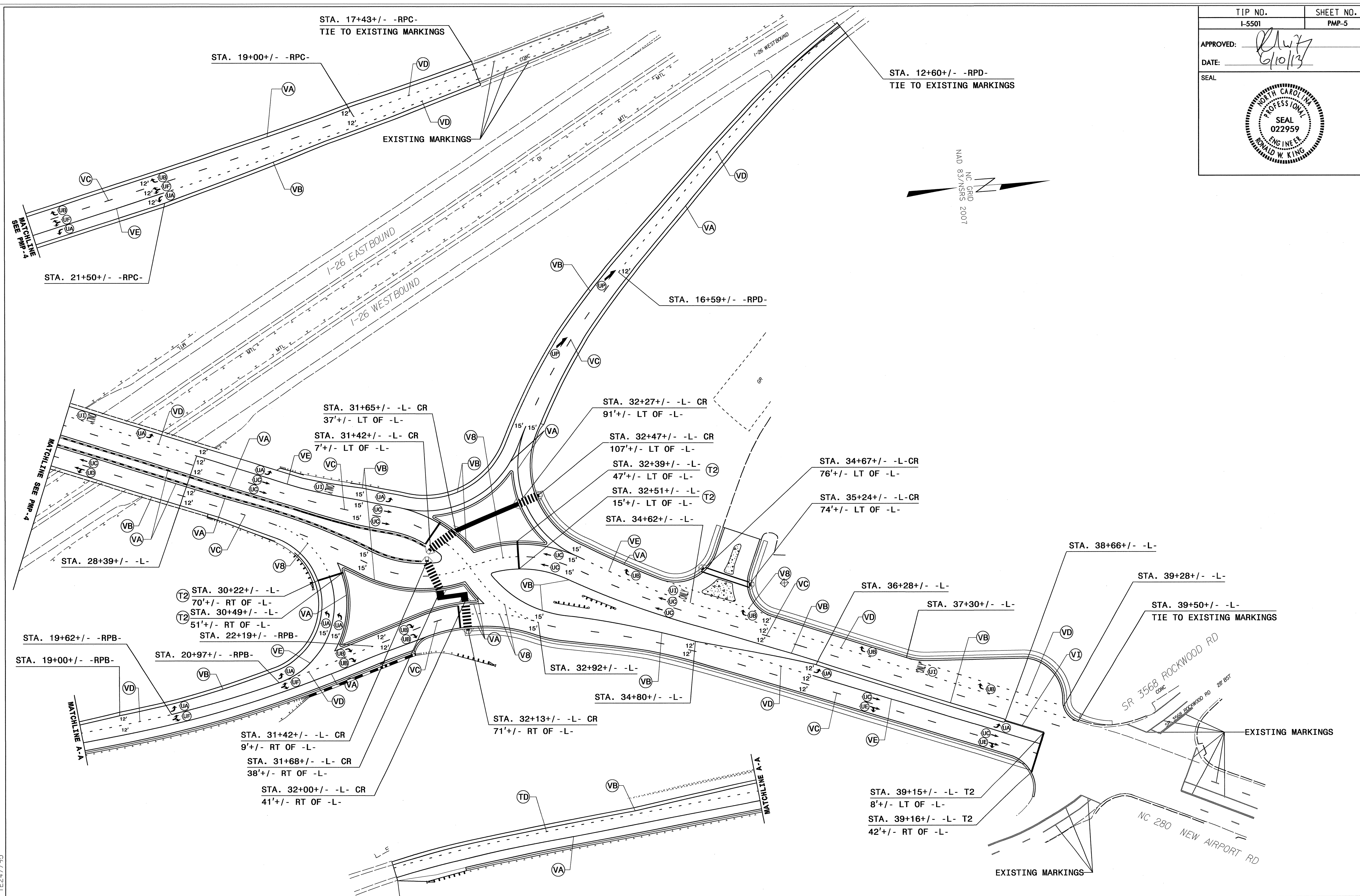
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**NC280 NEW AIRPORT RD  
PAVEMENT MARKING DETAIL**

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**NC280 NEW AIRPORT RD  
PAVEMENT MARKING DETAIL**

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