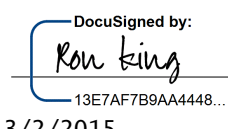



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| | |
|--|--------------------|
| PROJECT REFERENCE NO. R-2248G | SHEET NO. PMP-1 |
| APPROVED:  | |
| DATE: 3/2/2015 | |
| SEAL  | |

**STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLAN
MECKLENBURG COUNTY**

**LOCATION: I-485 CHARLOTTE OUTER LOOP INTERCHANGE WITH
SR 2042 (OAKDALE ROAD)**

T.I.P.: R-2248G

CONTRACT: C203590

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 |
| 1205.08 | PAVEMENT MARKINGS - SYMBOLS AND WORD MESSAGES |
| 1205.09 | PAVEMENT MARKINGS - PAINTED ISLANDS |
| 1205.12 | PAVEMENT MARKINGS - BRIDGES |
| 1250.01 | RAISED PAVEMENT MARKERS - INSTALLATION SPACING |
| 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 |

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 | THERMOPLASTIC | RAISED |

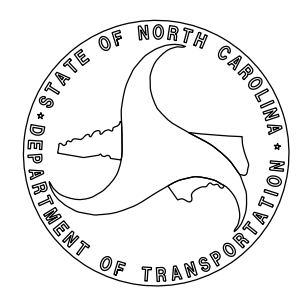
- B) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.
 C) REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS AND MARKERS.
 D) PASSING ZONES WILL BE DETERMINED IN THE FIELD AND MUST BE APPROVED BY THE ENGINEER.
 E) REMOVE ALL RESIDUE AND SURFACE LAITANCE BY ACCEPTABLE METHODS ON CONCRETE BRIDGE DECKS PRIOR TO PLACING THERMOPLASTIC PAVEMENT MARKING MATERIAL.
 F) 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.
 G) 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.
 H) SEE ROADWAY PLANS FOR ALTERNATE CURB RAMP DESIGNS WHEN INDICATED ON PAVEMENT MARKING DETAIL SHEETS.

INDEX

| SHEET NO. | DESCRIPTION |
|-----------|--|
| PMP-1 | PAVEMENT MARKING PLAN TITLE |
| PMP-2 | PAVEMENT MARKING SCHEDULE |
| PMP-2 | CROSSWALK PAVEMENT MARKING GUIDANCE DETAIL |
| PMP-4-7 | 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



APPROVED: 
DocuSigned by:
13E7AF7B8A4448
 DATE: 3/6/2015

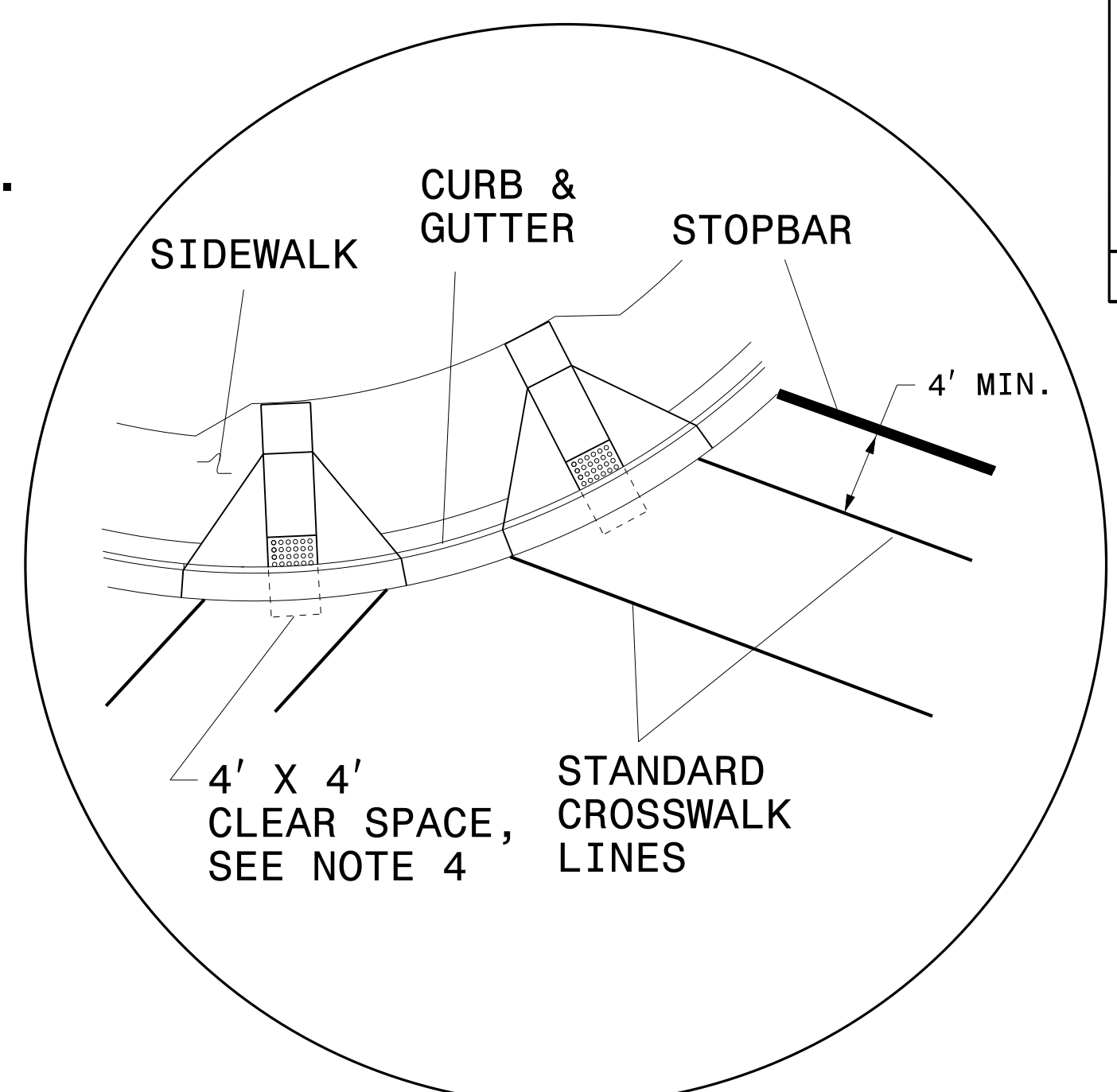
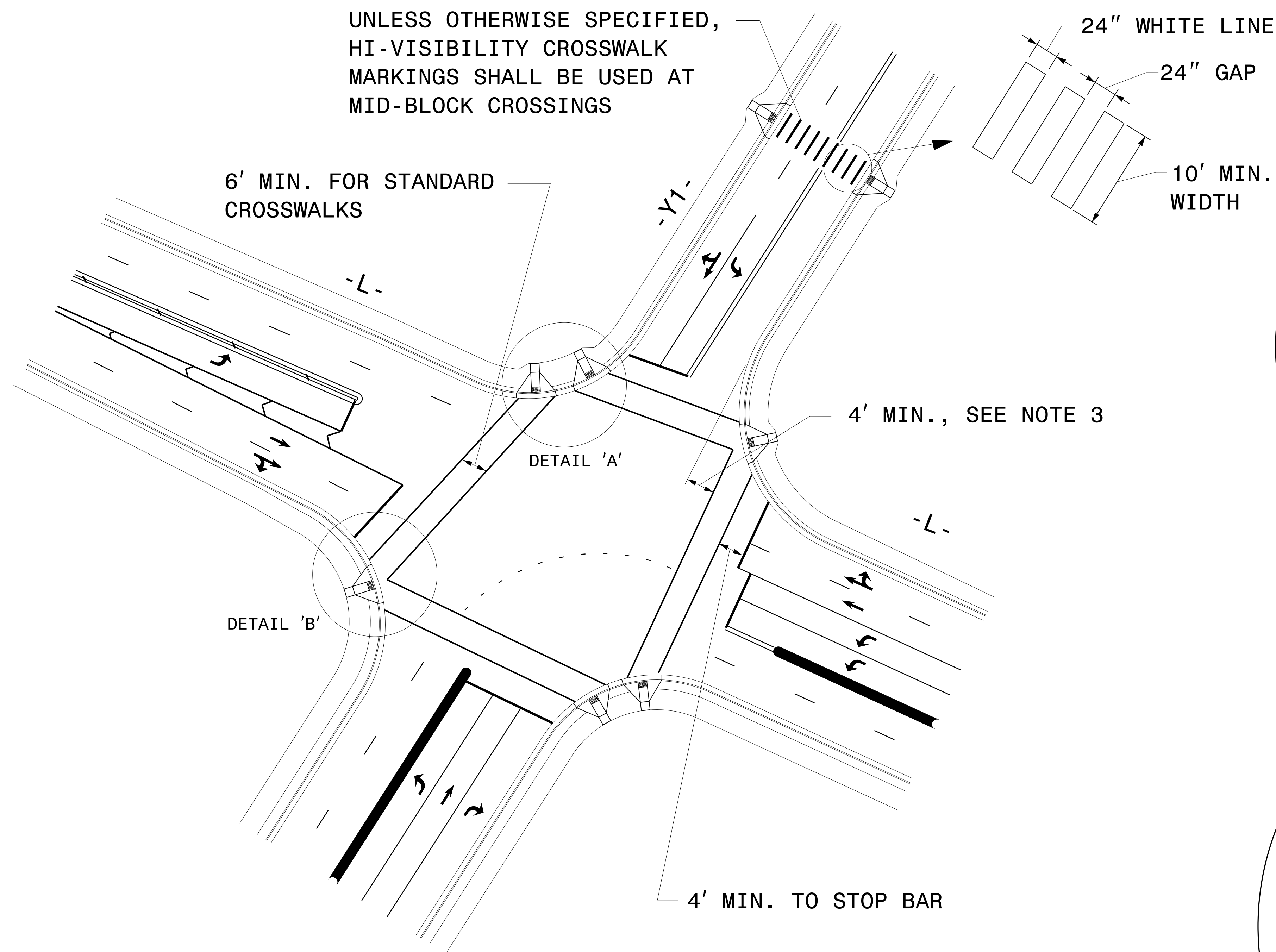


**PAVEMENT
MARKING SCHEDULE**

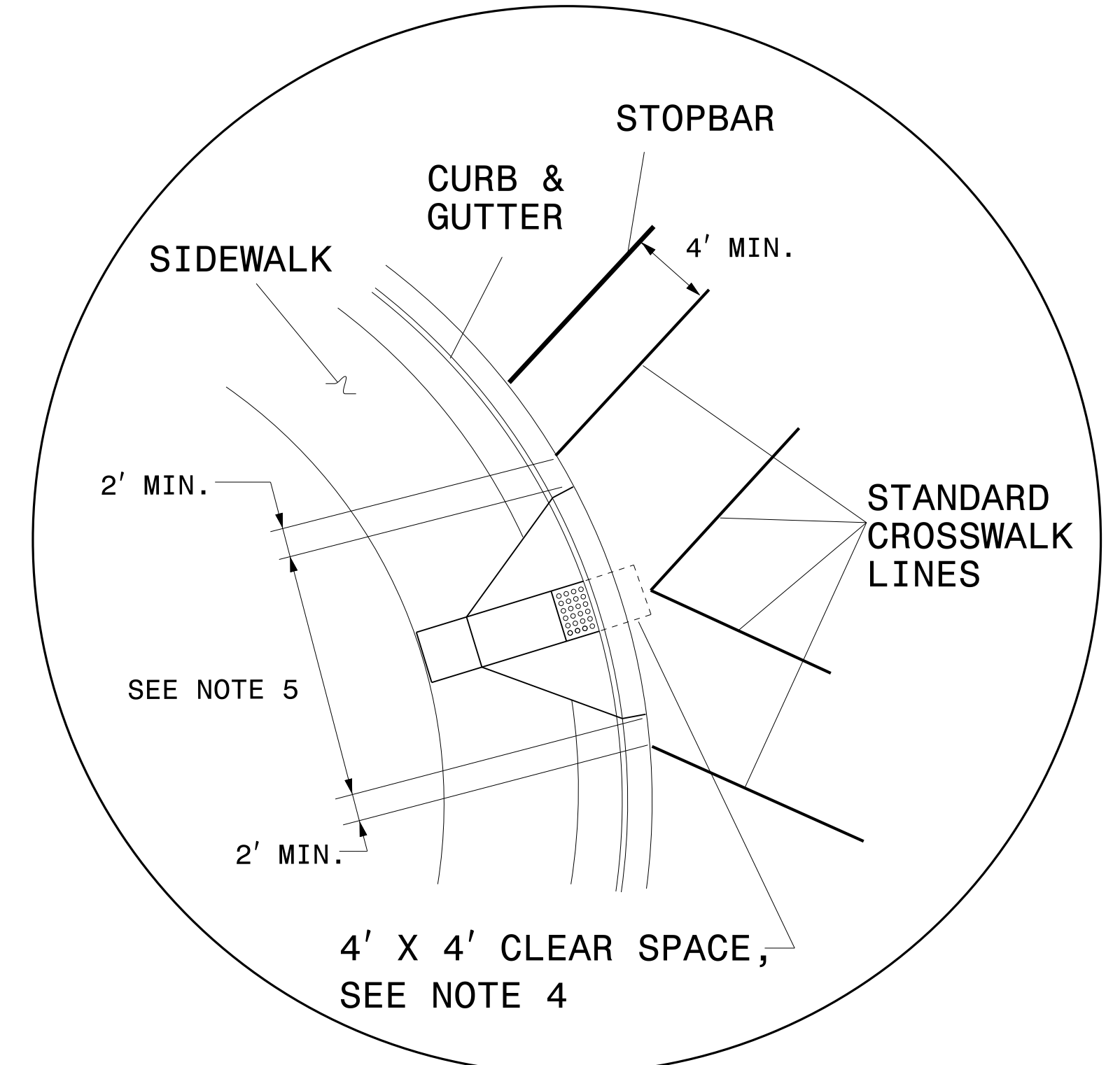
| SYMBOL | DESCRIPTION | FINAL PAVEMENT MARKINGS |
|--|-----------------------------------|----------------------------|
| TT | WHITE SOLID LANE LINE | THERMO(12", 120 MILS) |
| TS | WHITE GORELINE | THERMO(12", 90 MILS) |
| T17 | 3 FT. - 3 FT./SP WHITE MINISKIP | THERMO(8", 120 MILS) |
| T8 | 2 FT. - 6 FT./SP WHITE MINISKIP | THERMO(4", 120 MILS) |
| TD | 3 FT. - 9 FT./SP WHITE MINISKIP | |
| TF | 10 FT. YELLOW SKIP | |
| TH | YELLOW SINGLE CENTER | |
| TI | YELLOW DOUBLE CENTER | |
| TA | WHITE EDGELINE | THERMO(4", 90 MILS) |
| TB | YELLOW EDGELINE | |
| TK | 3 FT. - 9 FT./SP WHITE MINISKIP | THERMO(6", 120 MILS) |
| T6 | WHITE EDGELINE | THERMO(6", 90 MILS) |
| TN | WHITE GORELINE | THERMO(8", 90 MILS) |
| TO | WHITE DIAGONAL | |
| TP | YELLOW DIAGONAL | |
| THERMOPAVEMENT MARKING SYMBOLS (90 MILS) | | |
| UA | LEFT TURN ARROW | |
| UB | RIGHT TURN ARROW | |
| UN | 24" YIELD LINE TRIANGLE | |
| UP | MERGE ARROW | |
| UU | FISH-HOOK STRAIGHT ARROW | |
| UZ | FISH-HOOK W/CIRCLE STRAIGHT ARROW | |
| WA | FISH-HOOK W/CIRCLE LEFT ARROW | |
| MARKERS PERMANENT RAISED PAVEMENT MARKERS | | |
| MA | YELLOW & YELLOW | |
| MB | CRYSTAL & RED | |

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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

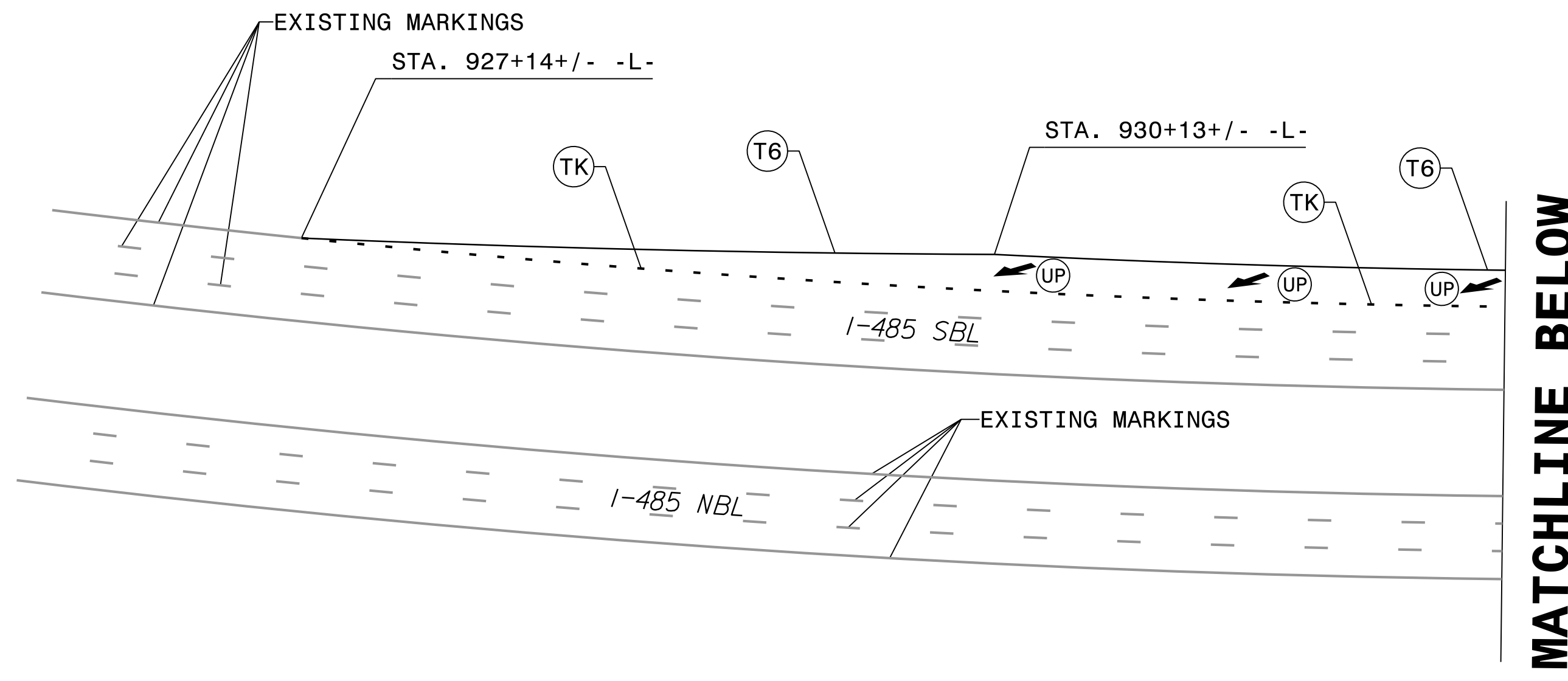
GUIDANCE DETAIL FOR CROSSWALK MARKINGS

NOTES:

1. 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.
2. 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.
3. SET BACK DISTANCE FROM INSIDE CROSSWALK MARKING TO NEAREST EDGE OF TRAVEL IS 4' MIN.
4. BEYOND THE BOTTOM GRADE BRAKE, A CLEAR SPACE OF 4' X 4' MINIMUM SHALL BE PROVIDED WITHIN THE MARKINGS.
5. 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'.
6. CURB RAMPS SHALL BE CONSTRUCTED IN ACCORDANCE TO THE LATEST NCDOT ROADWAY STANDARD DRAWINGS.

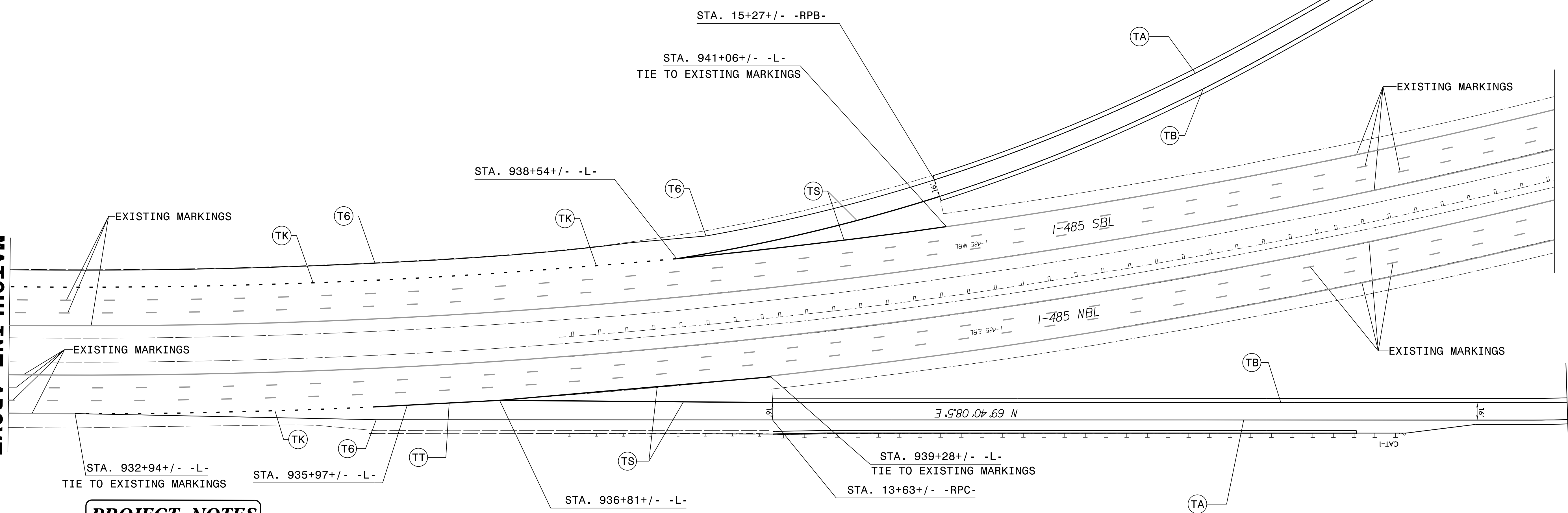
**CROSSWALK PAVEMENT MARKING
GUIDANCE DETAIL**

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 3/2/2015 11:57:40
 Ronald W. King



MATCHLINE BELOW

MATCHLINE ABOVE



MATCHLINE SEE SHEET PMP-5
-L- STA. 946 + 66.00

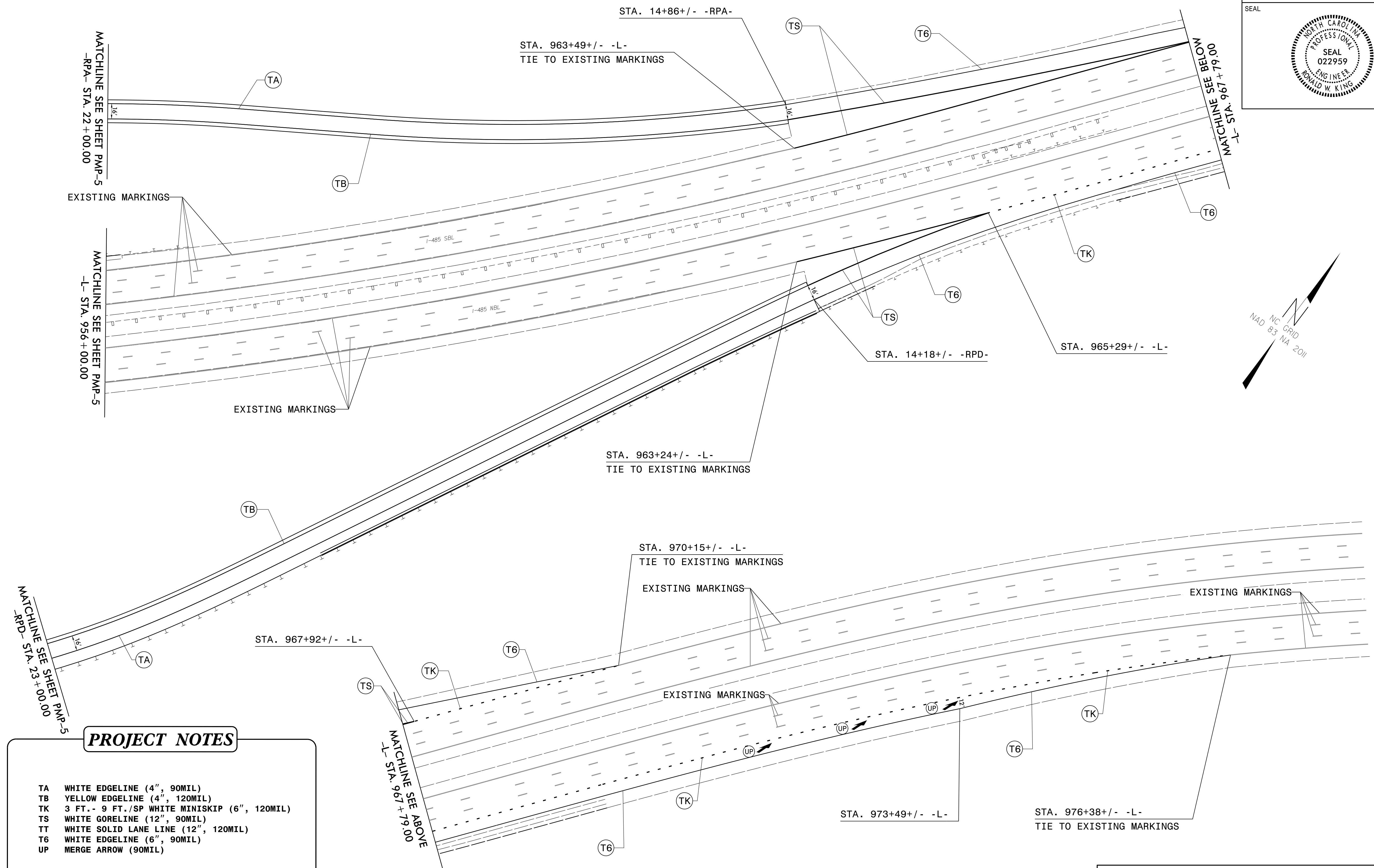
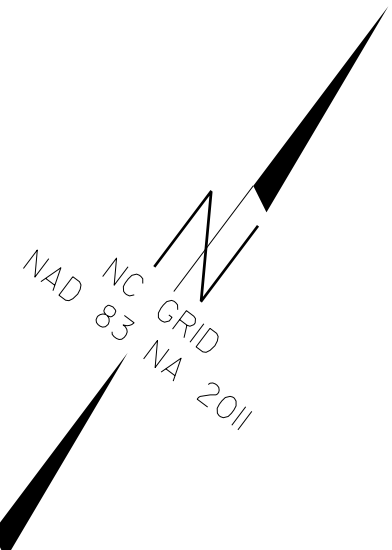
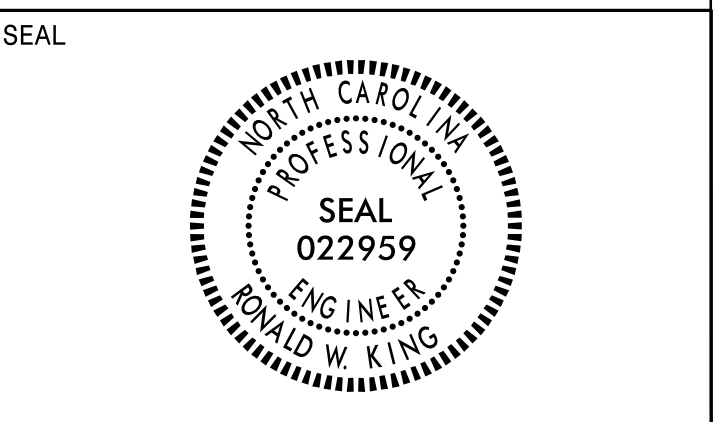
MATCHLINE SEE SHEET PMP-5
-RPC- STA. 20 + 94.00

PROJECT NOTES

- TA WHITE EDGELINE (4", 90MIL)
- TB YELLOW EDGELINE (4", 120MIL)
- TK 3 FT. - 9 FT./SP WHITE MINISKIP (6", 120MIL)
- TS WHITE GORELINE (12", 90MIL)
- TT WHITE SOLID LANE LINE (12", 120MIL)
- T6 WHITE EDGELINE (6", 90MIL)
- UP MERGE ARROW (90MIL)

**I-485
PAVEMENT MARKING DETAIL**

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jgmer-tinez AT 12:27:40

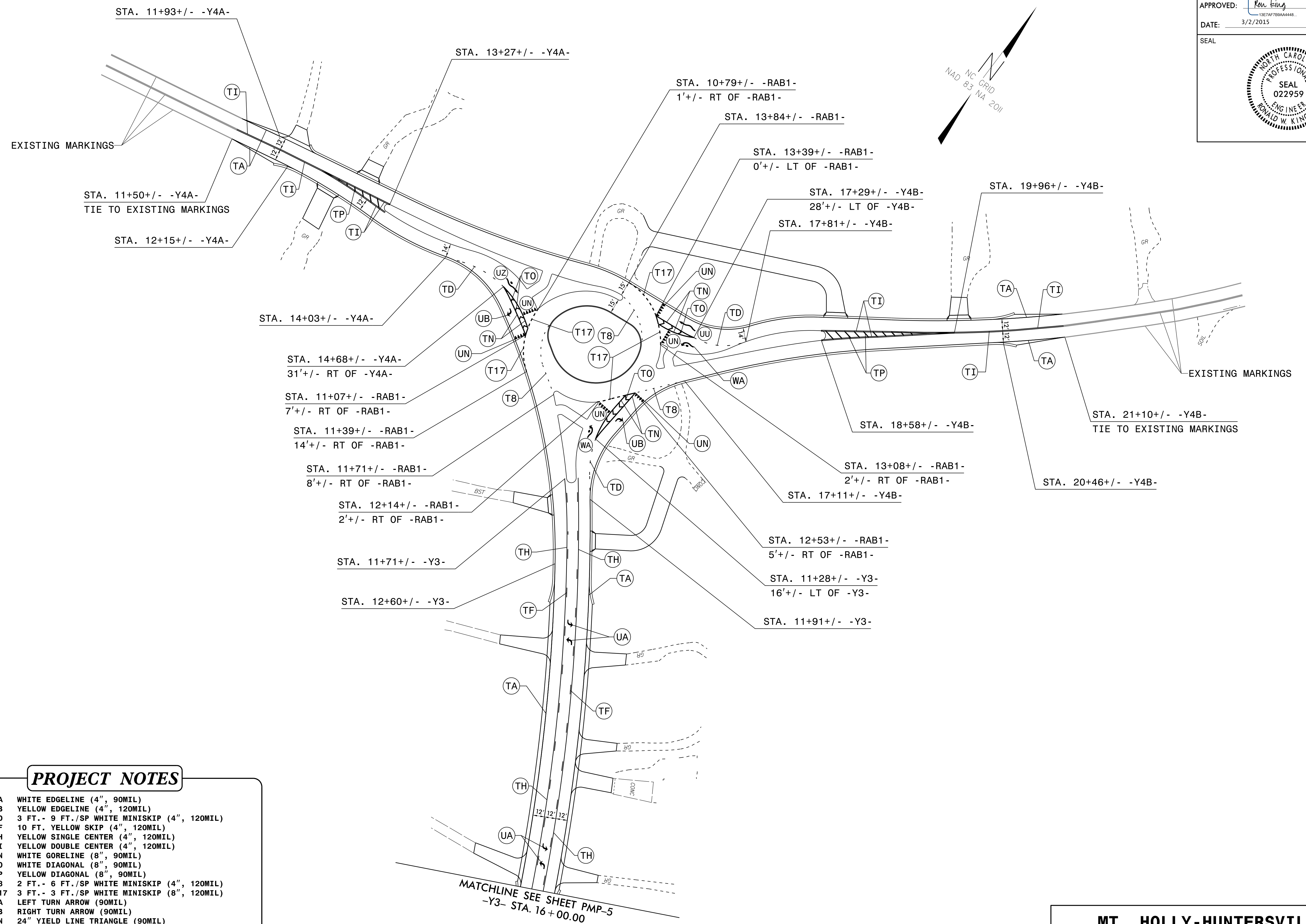


PROJECT NOTES

- TA WHITE EDGELINE (4", 90MIL)
- TB YELLOW EDGELINE (4", 120MIL)
- TK 3 FT.- 9 FT./SP WHITE MINISKIP (6", 120MIL)
- TS WHITE GORELINE (12", 90MIL)
- TT WHITE SOLID LANE LINE (12", 120MIL)
- T6 WHITE EDGELINE (6", 90MIL)
- UP MERGE ARROW (90MIL)

**I-85
PAVEMENT MARKING DETAIL**

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 jgmar-tme2 AT TE274401



PROJECT NOTES

- TA WHITE EDGELINE (4", 90MIL)
- TB YELLOW EDGELINE (4", 120MIL)
- TD 3 FT.- 9 FT./SP WHITE MINISKIP (4", 120MIL)
- TF 10 FT. YELLOW SKIP (4", 120MIL)
- TH YELLOW SINGLE CENTER (4", 120MIL)
- TI YELLOW DOUBLE CENTER (4", 120MIL)
- TN WHITE GORELINE (8", 90MIL)
- TO WHITE DIAGONAL (8", 90MIL)
- TP YELLOW DIAGONAL (8", 90MIL)
- T8 2 FT.- 6 FT./SP WHITE MINISKIP (4", 120MIL)
- T17 3 FT.- 3 FT./SP WHITE MINISKIP (8", 120MIL)
- UA LEFT TURN ARROW (90MIL)
- UB RIGHT TURN ARROW (90MIL)
- UN 24" YIELD LINE TRIANGLE (90MIL)
- UU FISH-HOOK STRAIGHT ARROW (90MIL)
- UZ FISH-HOOK W/CIRCLE STRAIGHT ARROW (90MIL)
- WA FISH-HOOK W/CIRCLE LEFT ARROW (90MIL)

MATCHLINE SEE SHEET PMP-5
-Y3- STA. 16+00.00

**MT. HOLLY-HUNTERSVILLE
AND OAKDALE ROAD
PAVEMENT MARKING DETAIL**

02-MAR-2015 15:24
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