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**CONTRACT: XXXXXX** **T.I.P.: U-2579AB**

**STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLAN  
FORSYTH COUNTY**

**LOCATION: WINSTON-SALEM - NORTHERN BELTWAY  
(EASTERN SECTION OF FUTURE I-74)  
FROM I-40 BUS /US 421 TO I-40**

TIP NO. U-2579AB	SHEET NO. PMP-1
APPROVED: <i>Ron King</i>	
DATE: 10/13/2021	
SEAL 	
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<b>INDEX</b>	
SHEET NO.	DESCRIPTION
PMP-1	PAVEMENT MARKING PLAN TITLE, GENERAL NOTES, ROADWAY STANDARD DRAWINGS, AND INDEX
PMP-1A	PAVEMENT MARKING SCHEDULE
PMP-1B THRU PMP-1E	PAVEMENT MARKING DETAILS
PMP-2 THRU PMP-42	PAVEMENT MARKING SHEETS

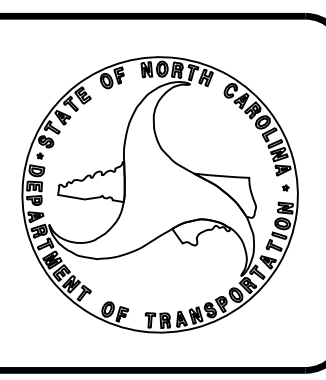
<b>GENERAL NOTES</b>		
THE FOLLOWING GENERAL NOTES APPLY AT ALL TIMES FOR THE DURATION OF THE CONSTRUCTION PROJECT, EXCEPT WHEN OTHERWISE NOTED IN THE PLAN, OR DIRECTED BY THE ENGINEER.		
A) INSTALL PAVEMENT MARKINGS AND PAVEMENT MARKERS ON THE FINAL SURFACE AS FOLLOWS:		
<u>ROAD NAME</u>	<u>MARKING</u>	<u>MARKER</u>
-L- (U-2579AB), ALL RAMPS, ALL LOOPS, AND ALL OTHER ROADS	THERMOPLASTIC	NON-CAST IRON SNOWPLOWABLE (OR MATCH EXISTING)
-L- (U-2579B), -Y15-, & -Y15REV-	POLYUREA	NON-CAST IRON SNOWPLOWABLE
CONCRETE BRIDGE DECKS	POLYUREA	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 POLYUREA 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) SEE ROADWAY PLANS FOR ALTERNATE CURB RAMP DESIGNS WHEN INDICATED ON PAVEMENT MARKING DETAIL SHEETS.		

<b>ROADWAY STANDARD DRAWING</b>	
THE FOLLOWING ROADWAY STANDARDS AS APPEAR IN "ROADWAY STANDARD DRAWINGS" - 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:	
<u>STD. NO.</u>	<u>TITLE</u>
1205.01	PAVEMENT MARKINGS - LINE TYPES AND OFFSETS
1205.02	PAVEMENT MARKINGS - TWO-LANE AND MULTI-LANE ROADWAYS
1205.03	PAVEMENT MARKINGS - EXIT AND ENTRANCE RAMPS
1205.04	PAVEMENT MARKINGS - INTERSECTIONS (SHEET 1 OF 2 ONLY. SEE PMP-1B FOR REVISED SHEET 2 OF 2)
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
1205.10	PAVEMENT MARKINGS - SCHOOL AREAS
1205.12	PAVEMENT MARKINGS - BRIDGES (SEE PMP-1C FOR REVISED RSD 1205.12)
1205.13	PAVEMENT MARKINGS - LANE REDUCTIONS
1205.14	PAVEMENT MARKINGS - ROUNDABOUTS
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
1264.01	OBJECT MARKERS - TYPES
1264.02	OBJECT MARKERS - INSTALLATION

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

KELVIN JORDAN \_\_\_\_\_ SIGNING & DELINEATION REGIONAL ENGINEER

ASHLEY MATTHEWS, P.E. \_\_\_\_\_ SIGNING & DELINEATION PROJECT DESIGN ENGINEER



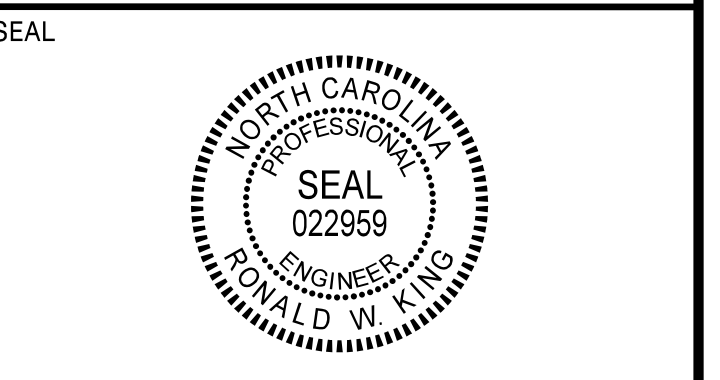
**PLAN PREPARED BY: HDR ENGINEERING, INC. OF THE CAROLINAS**

RON KING, P.E. \_\_\_\_\_ SIGNING & DELINEATION PROJECT DESIGN ENGINEER

CHRIS HARNDEN \_\_\_\_\_ SIGNING & DELINEATION PROJECT DESIGN TECHNICIAN

**HDR** HDR Engineering, Inc. of the Carolinas  
555 Fayetteville St, Suite 900 Raleigh, N.C. 27601  
N.C.B.E.L.S. License Number: F-0116

APPROVED: *Ron King*  
 DATE: 10/13/2021



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- T1 THERMOPLASTIC 4" WHITE EDGELINE (90 MIL)
- T2 THERMOPLASTIC 4" WHITE SOLID LANE LINE (90 MIL)
- T3 THERMOPLASTIC 4" 10'-30'/SP. WHITE SKIP (90 MIL)
- T4 THERMOPLASTIC 4" 3'-9'/SP. WHITE MINI-SKIP (90 MIL)
- T5 THERMOPLASTIC 4" 2'-6'/SP. WHITE MINI-SKIP (90 MIL)
- T10 THERMOPLASTIC 4" YELLOW EDGELINE (90 MIL)
- T11 THERMOPLASTIC 4" YELLOW SINGLE CENTER (90 MIL)
- T12 THERMOPLASTIC 4" 10'-30'/SP. YELLOW SKIP (90 MIL)
- T13 THERMOPLASTIC 4" YELLOW DOUBLE CENTER (90 MIL)
- T20 THERMOPLASTIC 6" WHITE EDGELINE (90 MIL)
- T21 THERMOPLASTIC 6" WHITE SOLID LANE LINE (90 MIL)
- T22 THERMOPLASTIC 6" 10'-30'/SP. WHITE SKIP (90 MIL)
- T23 THERMOPLASTIC 6" 3'-9'/SP. WHITE MINI-SKIP (90 MIL)
- T30 THERMOPLASTIC 6" YELLOW EDGELINE (90 MIL)
- T40 THERMOPLASTIC 8" WHITE GORELINE (90 MIL)
- T42 THERMOPLASTIC 8" YELLOW DIAGONAL (90 MIL)
- T43 THERMOPLASTIC 8" WHITE SOLID LANE LINE (90 MIL)
- T44 THERMOPLASTIC 8" 3'-9'/SP. WHITE MINI-SKIP (90 MIL)
- T45 THERMOPLASTIC 8" 3'-3'/SP. WHITE MINISKIP (90 MIL)
- T50 THERMOPLASTIC 12" WHITE GORELINE (90 MIL)
- T51 THERMOPLASTIC 12" WHITE DIAGONAL (90 MIL)
- T52 THERMOPLASTIC 12" YELLOW DIAGONAL (90 MIL)
- T53 THERMOPLASTIC 12" WHITE SOLID LANE LINE (90 MIL)
- T54 THERMOPLASTIC 12" 3'-3'/SP. WHITE MINI-SKIP (90 MIL)
- T61 THERMOPLASTIC 24" WHITE STOPBAR (90 MIL)
- T62 THERMOPLASTIC 24" WHITE CROSSWALK LINE (90 MIL)
- T70 THERMOPLASTIC LEFT TURN ARROW (90 MIL)
- T71 THERMOPLASTIC RIGHT TURN ARROW (90 MIL)
- T72 THERMOPLASTIC STRAIGHT ARROW (90 MIL)
- T74 THERMOPLASTIC COMBO RIGHT-STRAIGHT ARROW (90 MIL)
- T79 THERMOPLASTIC MERGE ARROW (90 MIL)
- T80 THERMOPLASTIC RAMP ARROW (90 MIL)
- T100 THERMOPLASTIC ALPHANUMERIC CHARACTER (90 MIL)
- T103 THERMOPLASTIC 24" YIELD LINE TRIANGLE (90 MIL)

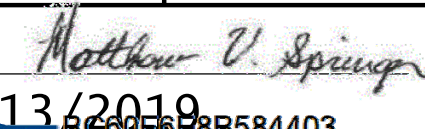

- V1 POLYUREA 4" WHITE EDGELINE (30 MIL)
- V2 POLYUREA 4" WHITE SOLID LANE LINE (30 MIL)
- V3 POLYUREA 4" 10'-30'/SP. WHITE SKIP (30 MIL)
- V5 POLYUREA 4" 2'-6'/SP. WHITE MINI-SKIP (30 MIL)
- V10 POLYUREA 4" YELLOW EDGELINE (30 MIL)
- V13 POLYUREA 4" YELLOW DOUBLE CENTER (30 MIL)
- V20 POLYUREA 6" WHITE EDGELINE (30 MIL)
- V21 POLYUREA 6" WHITE SOLID LANE LINE (30 MIL)
- V22 POLYUREA 6" 10'-30'/SP. WHITE SKIP (30 MIL)
- V23 POLYUREA 6" 3'-9'/SP. WHITE MINI-SKIP (30 MIL)
- V30 POLYUREA 6" YELLOW EDGELINE (30 MIL)
- V43 POLYUREA 8" WHITE SOLID LANE LINE (30 MIL)
- V44 POLYUREA 8" 3'-9'/SP. WHITE MINI-SKIP (30 MIL)
- V50 POLYUREA 12" WHITE GORELINE (30 MIL)
- V53 POLYUREA 12" WHITE SOLID LANE LINE (30 MIL)
- V54 POLYUREA 12" 3'-3'/SP. WHITE MINI-SKIP (30 MIL)
  
- MA PERMANENT RAISED MARKER - YELLOW & YELLOW
- MB PERMANENT RAISED MARKER - CRYSTAL & RED
- ME SNOWPLOWABLE MARKER (NON-CAST IRON) - YELLOW & YELLOW
- MF SNOWPLOWABLE MARKER (NON-CAST IRON) - CRYSTAL & RED

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**PAVEMENT MARKING SCHEDULE**



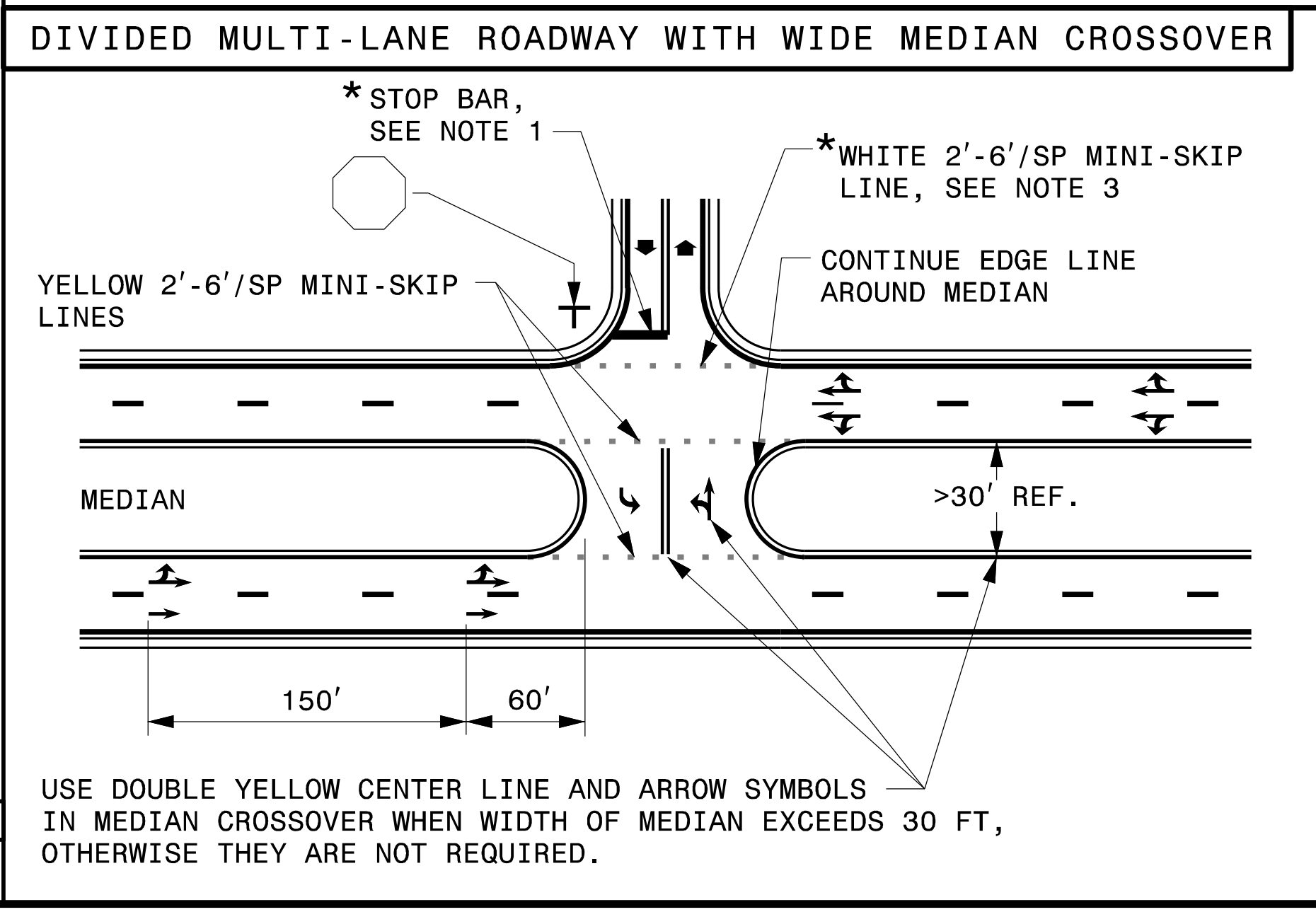
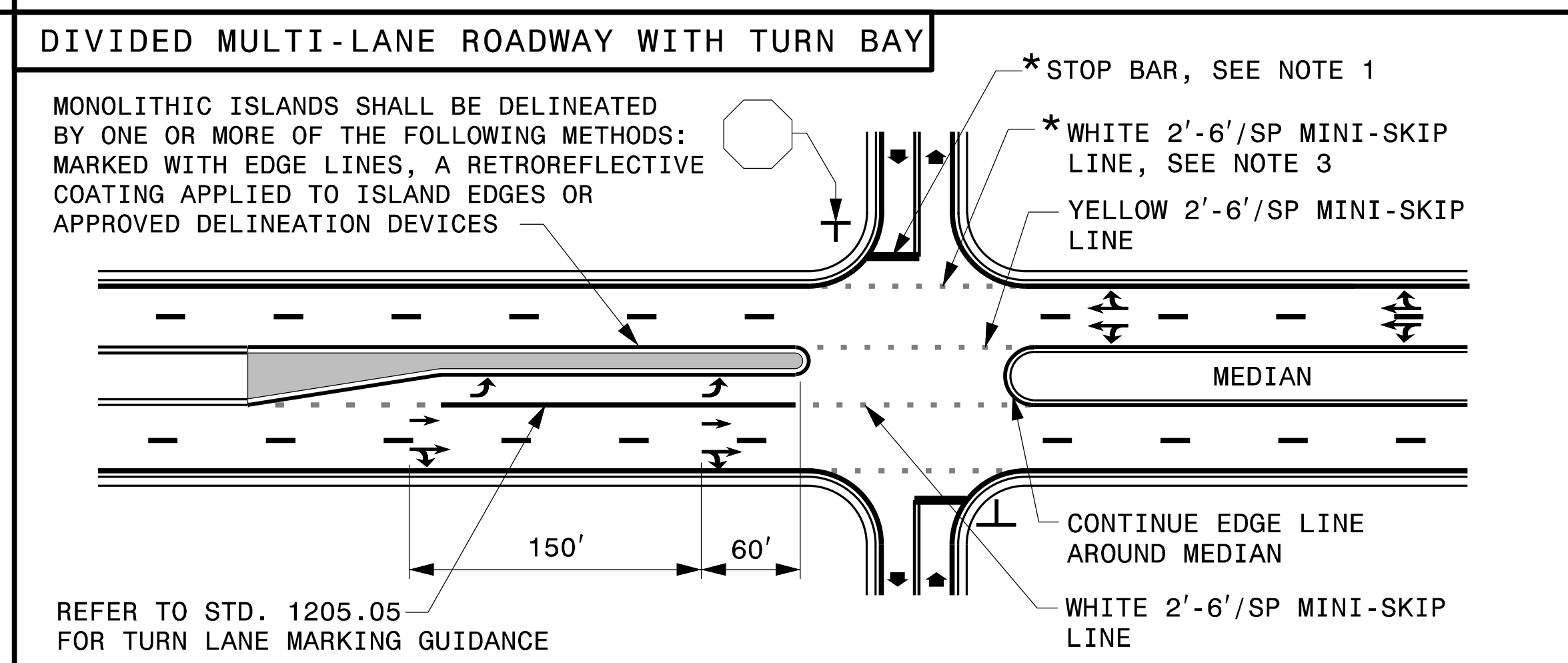
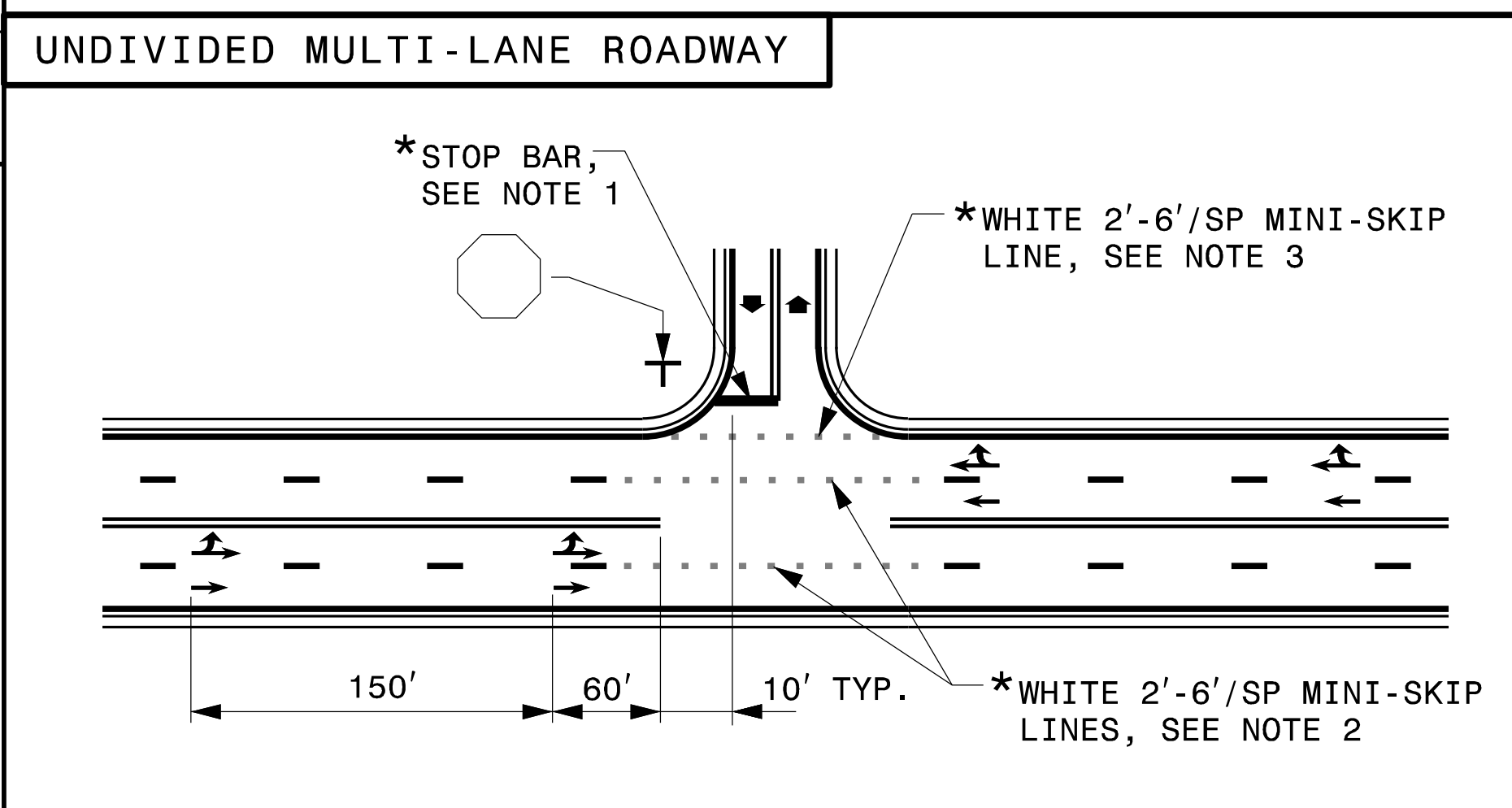
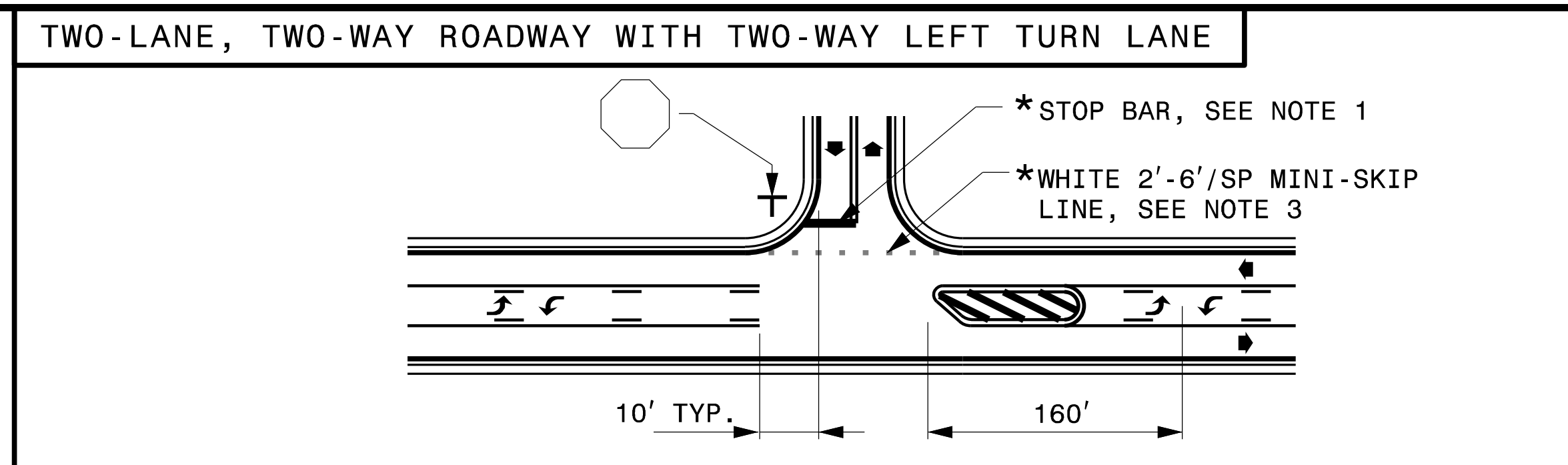
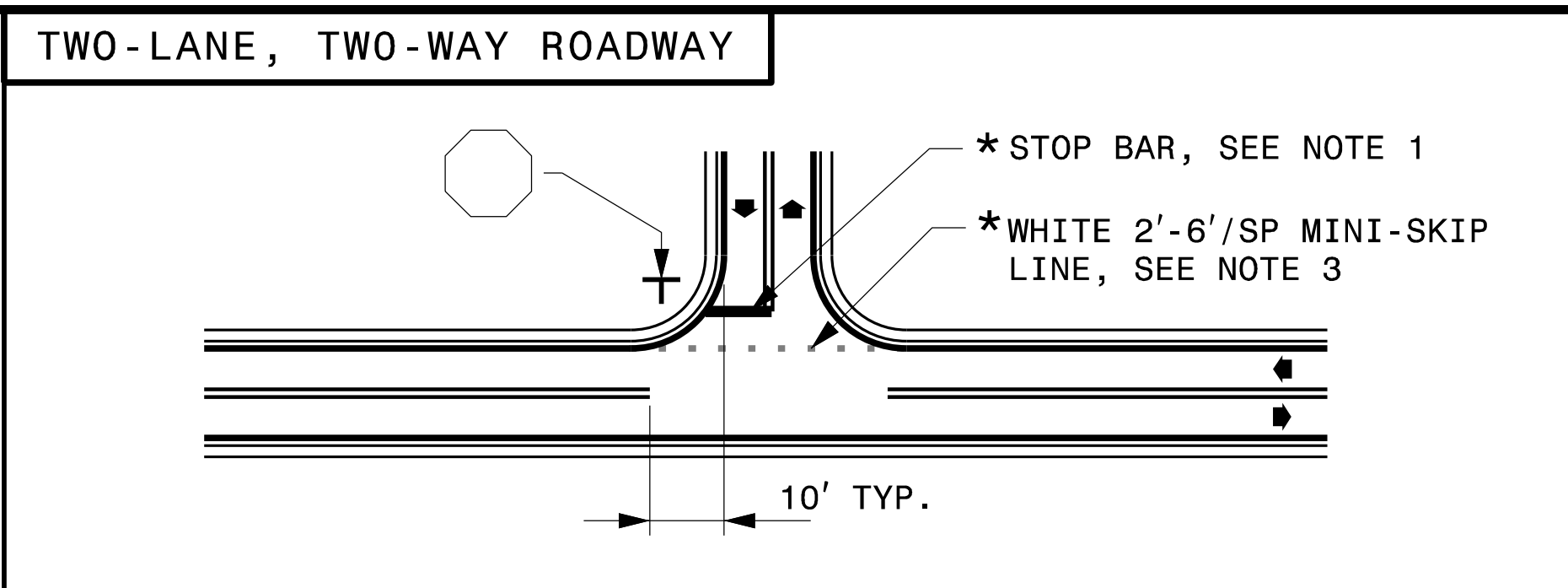
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STATE OF NORTH CAROLINA  
 DEPT. OF TRANSPORTATION  
 DIVISION OF HIGHWAYS  
 RALEIGH, N.C.

ENGLISH DETAIL DRAWING FOR  
**PAVEMENT MARKINGS**  
 INTERSECTIONS

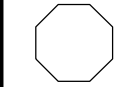

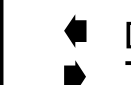

SHEET 2 OF 2  
**1205D04**



**GENERAL NOTES:**

- 1- PLACEMENT OF STOP BARS AT NON-SIGNALIZED INTERSECTIONS IS OPTIONAL AND USED WHERE IT IS IMPORTANT TO INDICATE THE POINT WHICH VEHICLES ARE REQUIRED TO STOP. PLACE STOP BARS NO LESS THAN 4 FEET AND NO MORE THAN 30 FEET FROM THE NEAREST EDGE OF THE INTERSECTING ROADWAY. USE 10 FEET AS THE TYPICAL SETBACK DISTANCE OR AS DIRECTED BY THE ENGINEER.
- 2- MINI-SKIP LANE LINE EXTENSIONS SHOULD BE USED AT INTERSECTIONS THAT HAVE REDUCED VISIBILITY CONDITIONS SUCH AS OFFSET, SKEWED, OR CURVED ROADWAYS.
- 3- MINI-SKIP EDGE LINE EXTENSIONS MAY BE PLACED THROUGH INTERSECTIONS AND MAJOR DRIVEWAYS.
- 4- REFER TO ROADWAY STANDARD DRAWINGS 1205.01, 1205.02, 1205.05, 1205.08 AND 1205.09 FOR ADDITIONAL PAVEMENT MARKING GUIDANCE.

**LEGEND**

 STOP SIGN	 STATIONARY SIGN
 DIRECTION OF TRAFFIC FLOW	 PAVEMENT MARKING SYMBOLS
* OPTIONAL	

SHEET 2 OF 2  
**1205D04**

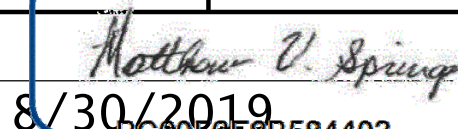

STATE OF NORTH CAROLINA  
 DEPT. OF TRANSPORTATION  
 DIVISION OF HIGHWAYS  
 RALEIGH, N.C.

ENGLISH DETAIL DRAWING FOR  
**PAVEMENT MARKINGS**  
 INTERSECTIONS

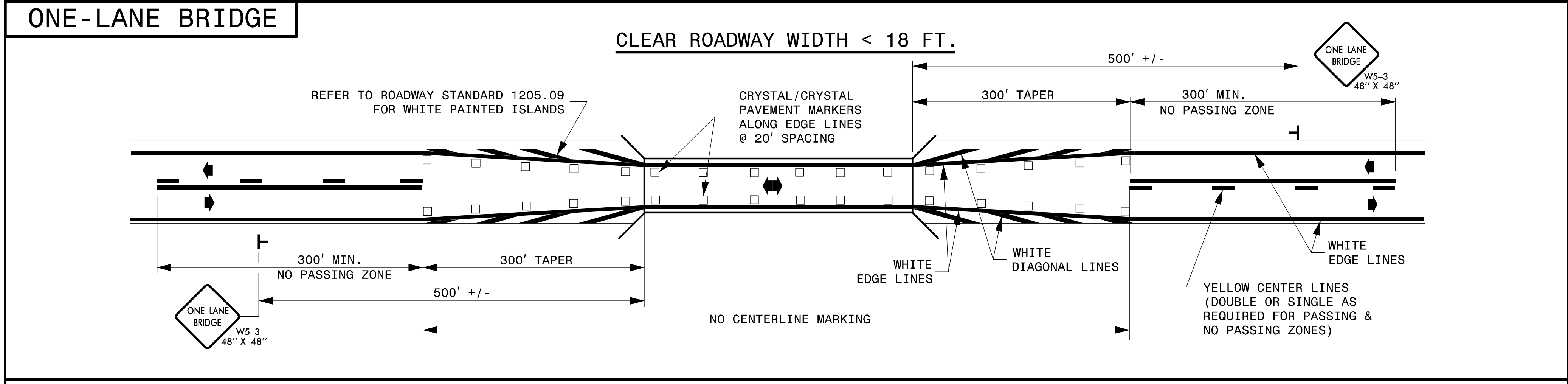
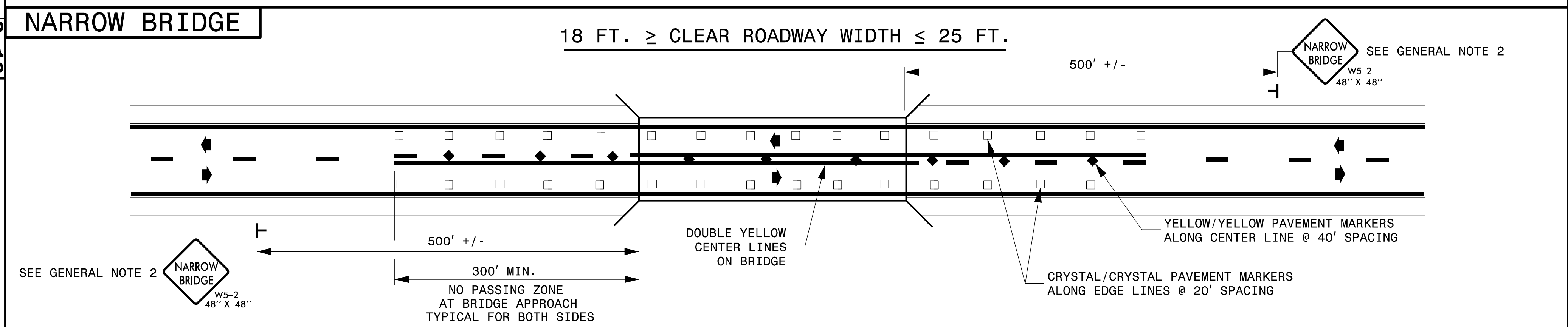
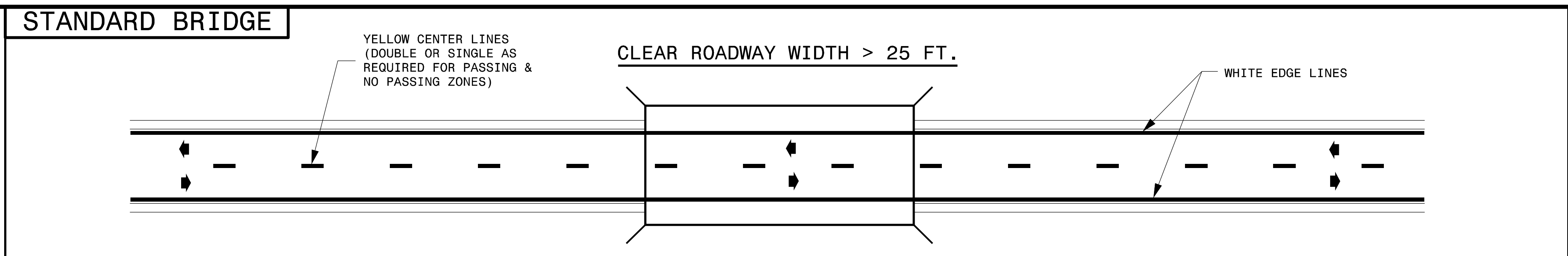
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**REVISED PAVEMENT MARKING ROADWAY STANDARD DRAWING**

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



- GENERAL NOTES:
- 1- NO PASSING ZONES SHOWN ARE MINIMUMS. APPLY MINIMUM PASSING AND STOPPING SIGHT DISTANCES AS DETERMINED BY THE ENGINEER.
  - 2- FOR BRIDGES WITH 18 TO 25 FEET CLEAR ROADWAY WIDTH, SIGNS MUST BE USED WHEN THE APPROACH PAVEMENT WIDTH IS 2 FOOT OR GREATER THAN THE CLEAR ROADWAY WIDTH.

**LEGEND**

←	DIRECTION OF TRAFFIC FLOW	◆	YELLOW/YELLOW PAVEMENT MARKER
⊥	STATIONARY SIGN	□	CRYSTAL/CRYSTAL PAVEMENT MARKER

STATE OF NORTH CAROLINA  
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 DIVISION OF HIGHWAYS  
 RALEIGH, N.C.

ENGLISH DETAIL DRAWING FOR  
**PAVEMENT MARKINGS**  
 BRIDGES

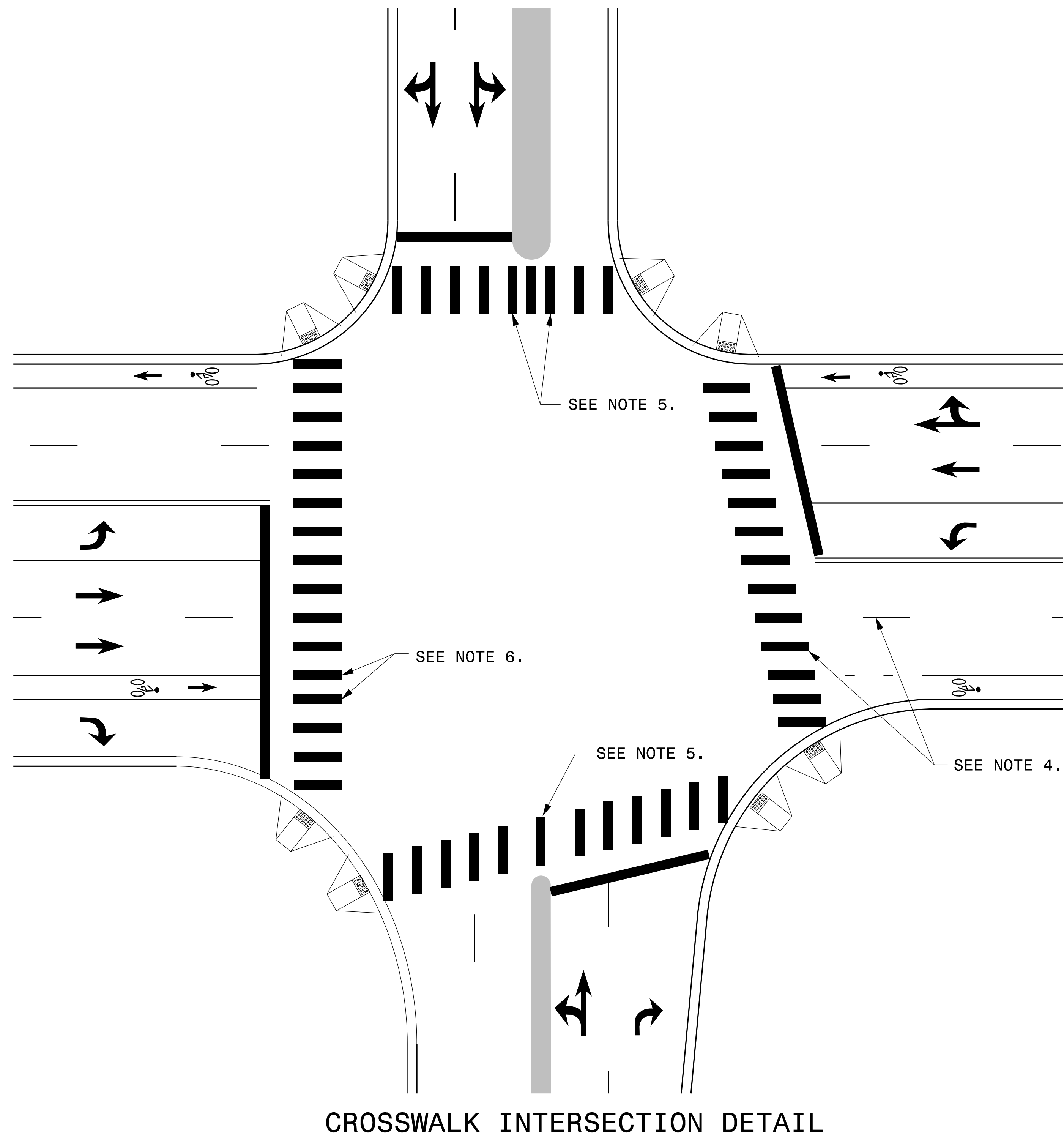
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**1205D12**

SHEET 1 OF 1  
**1205D12**

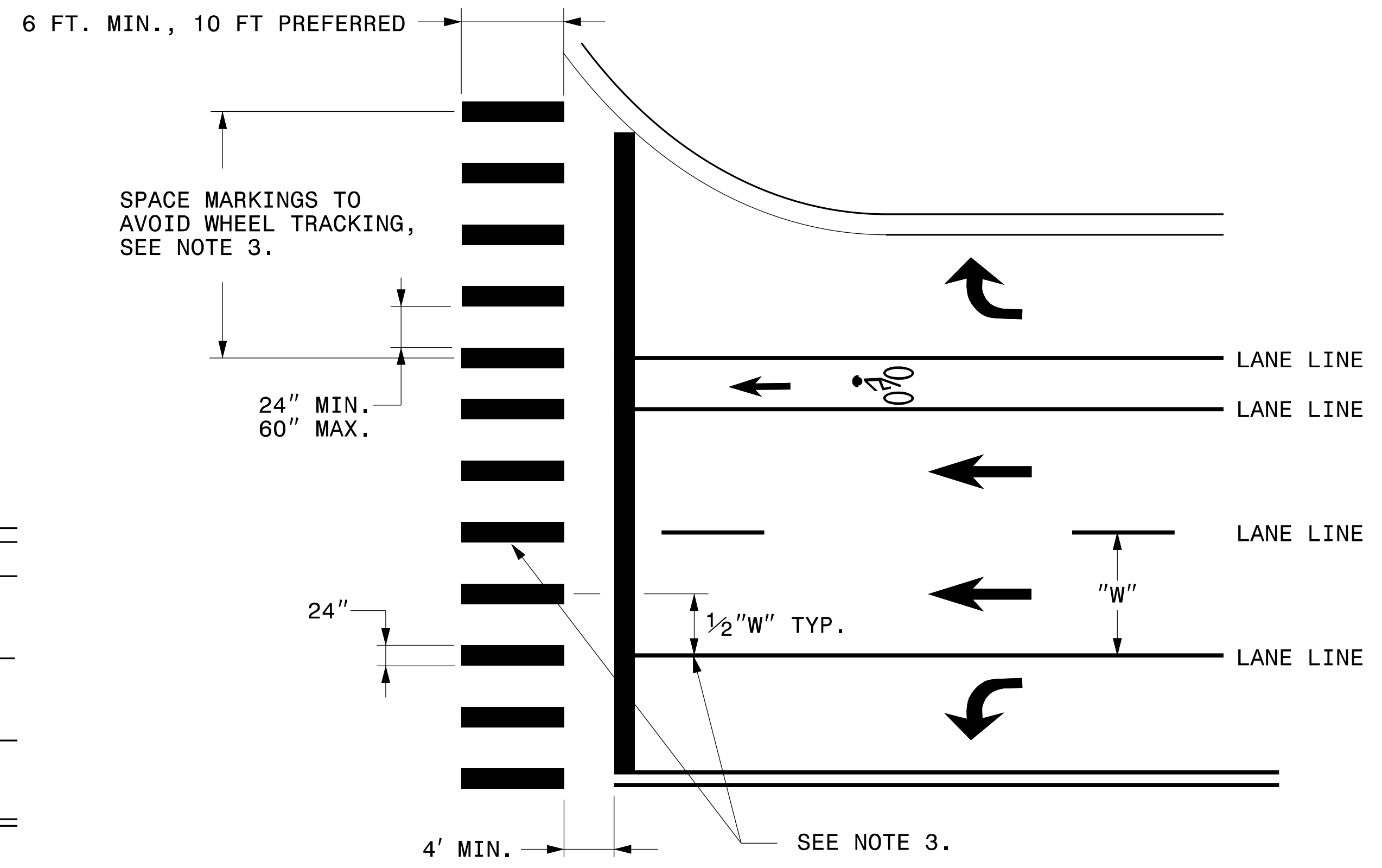
**REVISED PAVEMENT MARKING  
 ROADWAY STANDARD DRAWING**

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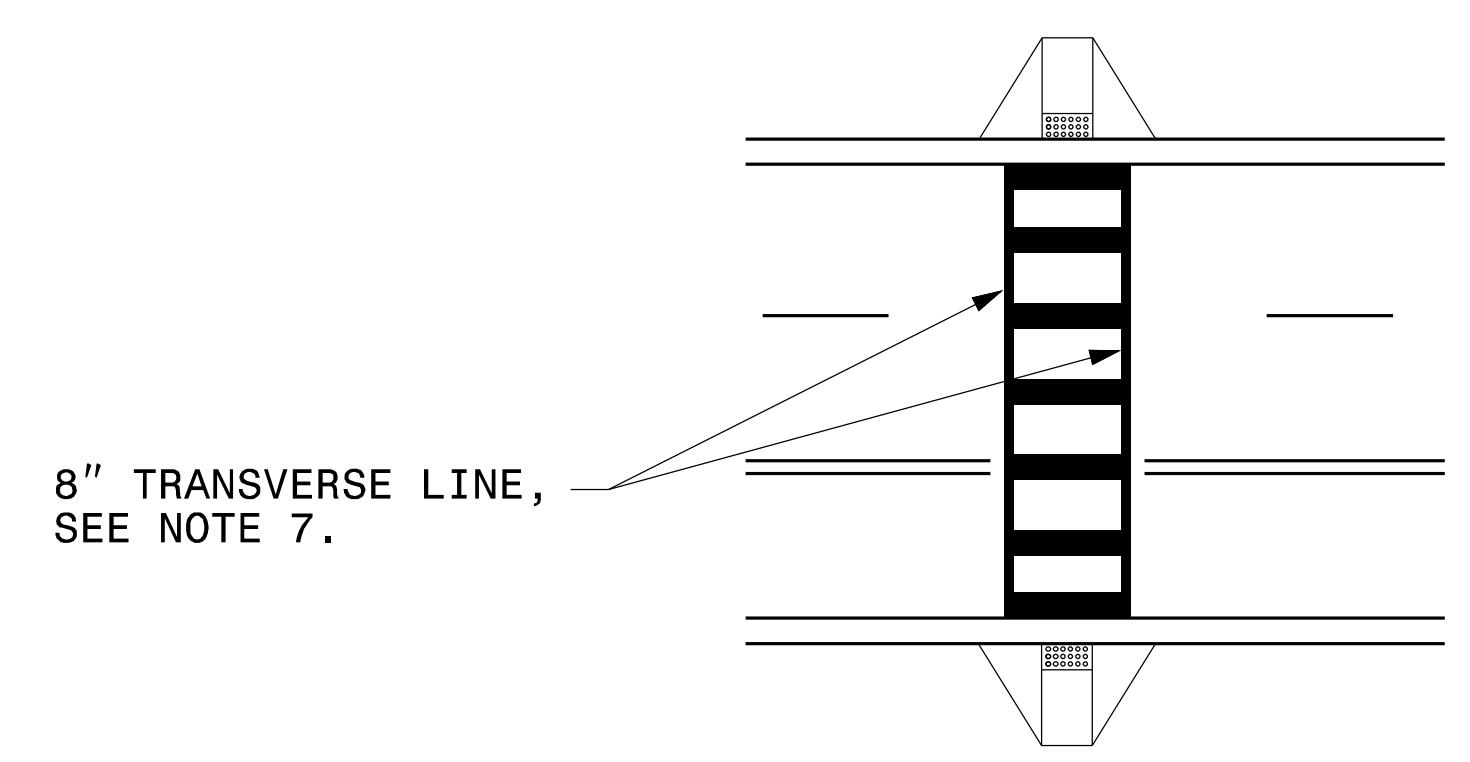




CROSSWALK INTERSECTION DETAIL



CROSSWALK MARKING DETAIL



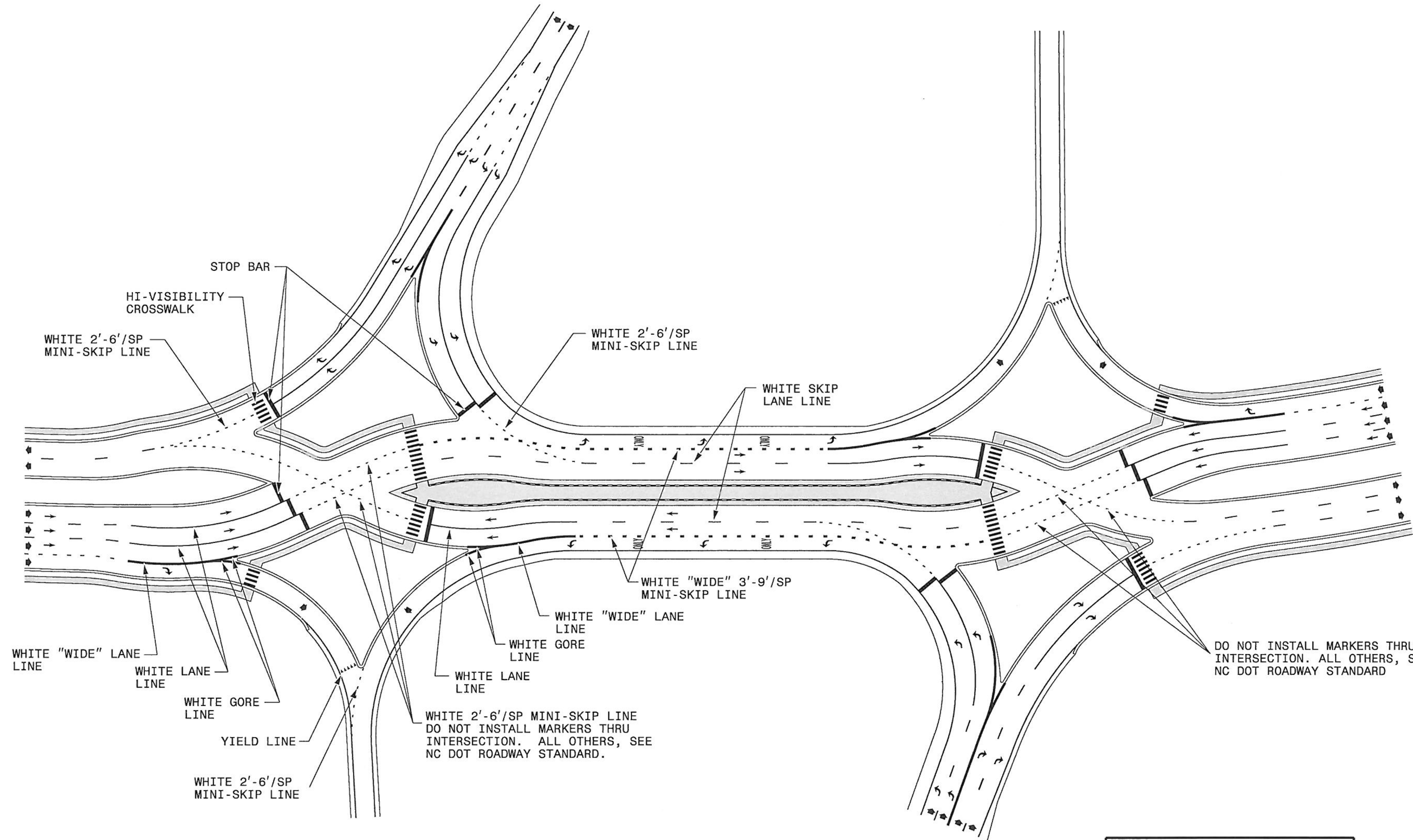
MID-BLOCK CROSSWALK DETAIL

GENERAL NOTES:

- 1- THE GUIDANCE IN THIS DETAIL IS TO BE USED WHEN NO-TRACK SPACING OF HI-VISIBILITY MARKINGS IS REQUESTED.
- 2- USE THE GUIDANCE SHOWN ON THE ABOVE DETAILS IN CONJUNCTION WITH PAVEMENT MARKING GUIDANCE SHOWN ON ROADWAY STANDARD DRAWINGS 1205.01 AND 1205.07.
- 3- PLACE MARKINGS TO AVOID WHEELPATH OF VEHICLES. MARKINGS TYPICALLY WILL BE LOCATED CENTERED AT THE LANE LINES AND EDGE LINES WITH ONE ADDITIONAL MARKING CENTERED IN THE MIDDLE OF THE LANE. AT WIDE LANE WIDTHS DUE TO TAPERS AND LARGE RADII, LOCATE MARKINGS AT BEST SPACING TO AVOID WHEEL TRACKING. THE SPACE BETWEEN MARKINGS SHALL NOT BE LESS THAN 24 INCHES OR GREATER THAN 60 INCHES.

- 4- WHERE THE CROSSWALK IS SKEWED TO THE LANE LINES, THE MARKINGS SHOULD BE PARALLEL TO THE LANE LINES.
- 5- PLACE MARKINGS ON BOTH EDGES OF THE NOSE OF A MEDIAN. FOR NARROW MEDIANS LESS THAN 4 FEET, A SINGLE MARKING MAY BE USED. FOR WIDE MEDIANS, INSTALL ADDITIONAL MARKINGS IN THE MEDIAN AREA. THE SPACE BETWEEN THE MARKINGS SHALL NOT TO BE LESS THAN 24 INCHES OR GREATER THAN 60 INCHES.
- 6- LOCATE MARKINGS CENTERED ON BICYCLE LANE LINES. MARKINGS SHALL NOT BE LOCATED IN THE CENTER OF THE BICYCLE PATH.
- 7- INCLUDE 8" TRANSVERSE LINES WITH 24" LONGITUDINAL MARKINGS AT MID-BLOCK CROSSINGS.

**DIVERGING DIAMOND INTERCHANGE**



GENERAL NOTES:


- 1- THE ABOVE PAVEMENT MARKING DETAIL IS A GUIDE FOR THE INTERCHANGE SHOWN. REFER TO DIVISION 12 OF THE ROADWAY STANDARD DRAWINGS FOR ADDITIONAL PAVEMENT MARKING AND MARKER GUIDANCE.
- 2- HI-VISIBILITY CROSSWALK MARKINGS SHOULD BE USED AT CROSSWALK LOCATIONS.

LEGEND	
	DIRECTION OF TRAFFIC FLOW
	ONLY PAVEMENT MARKING SYMBOLS & CHARACTERS



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HDR Engineering, Inc. of the Carolinas  
555 Fayetteville St. Suite 900 Raleigh, N.C. 27601  
N.C.B.E.L.S. License Number: F-0116

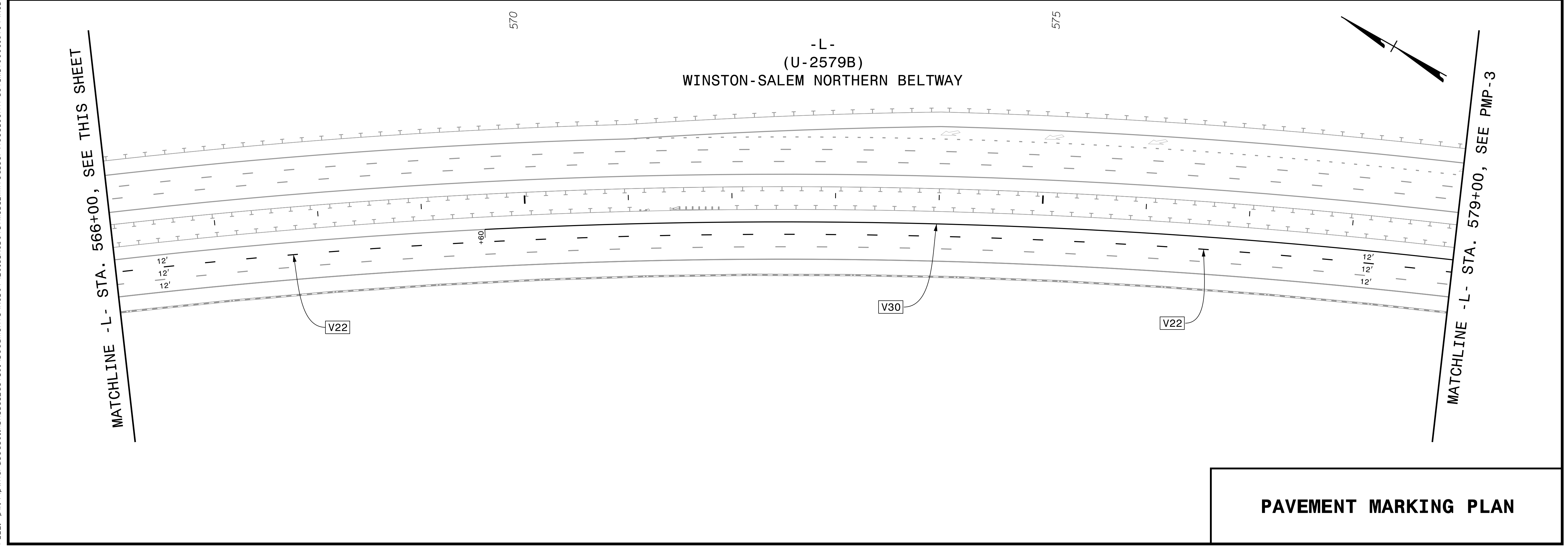
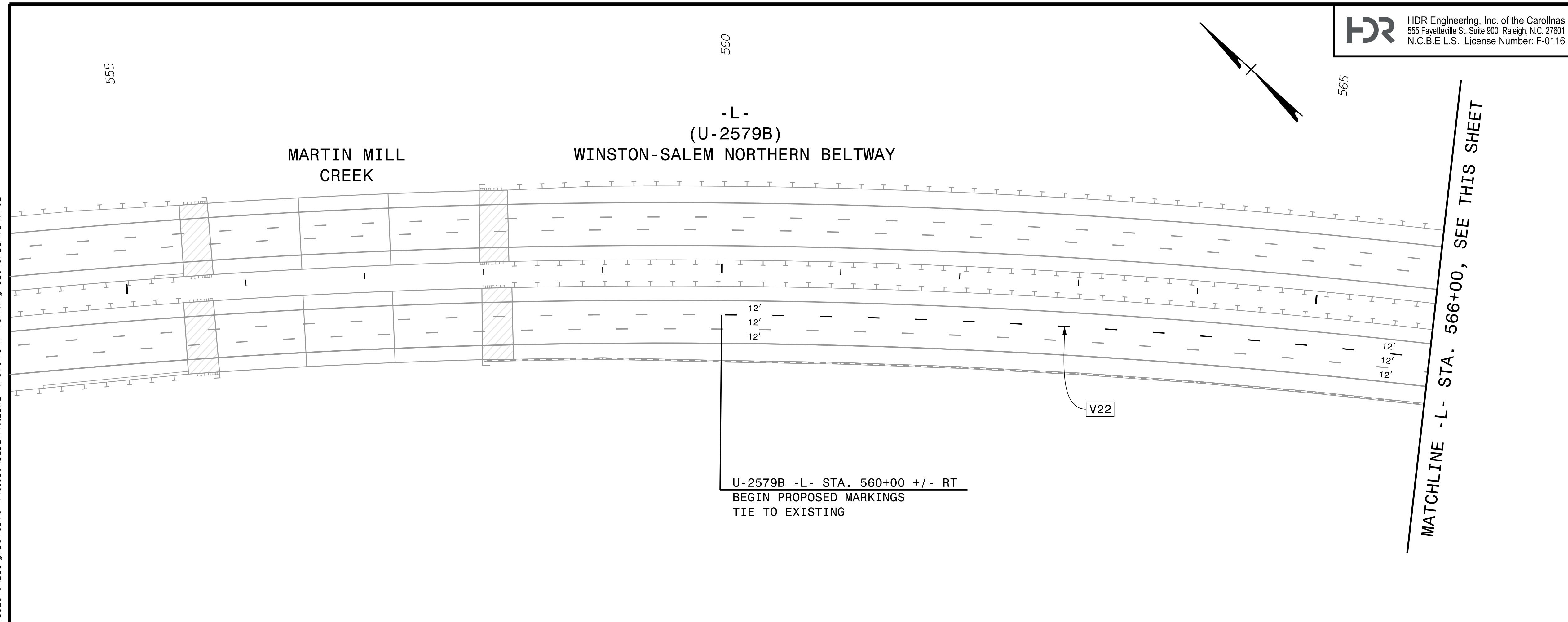
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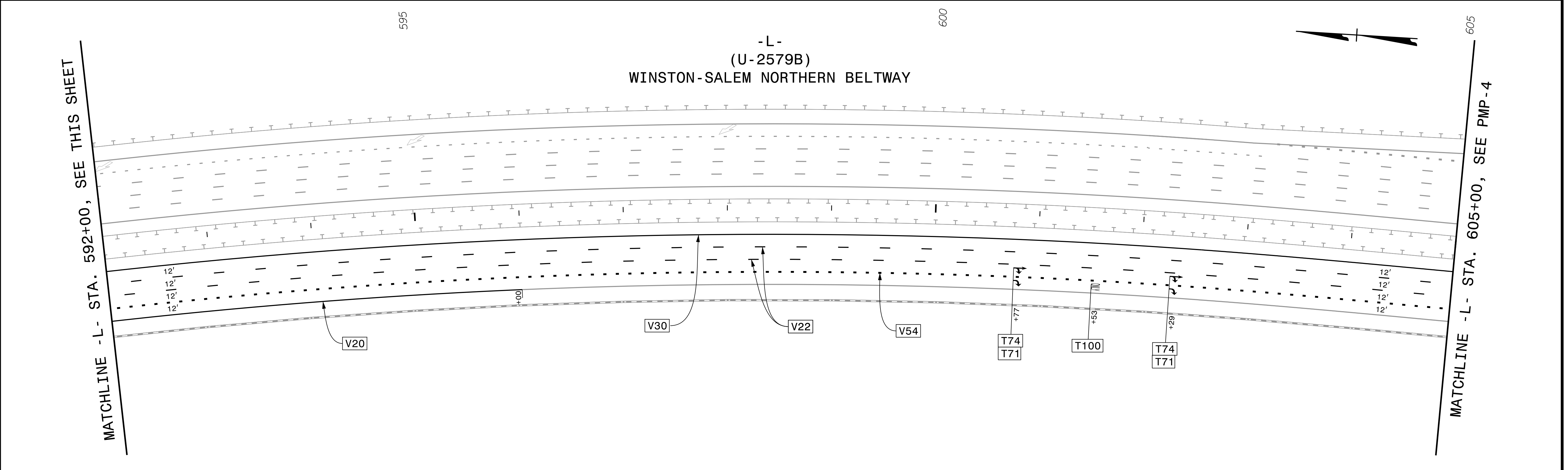
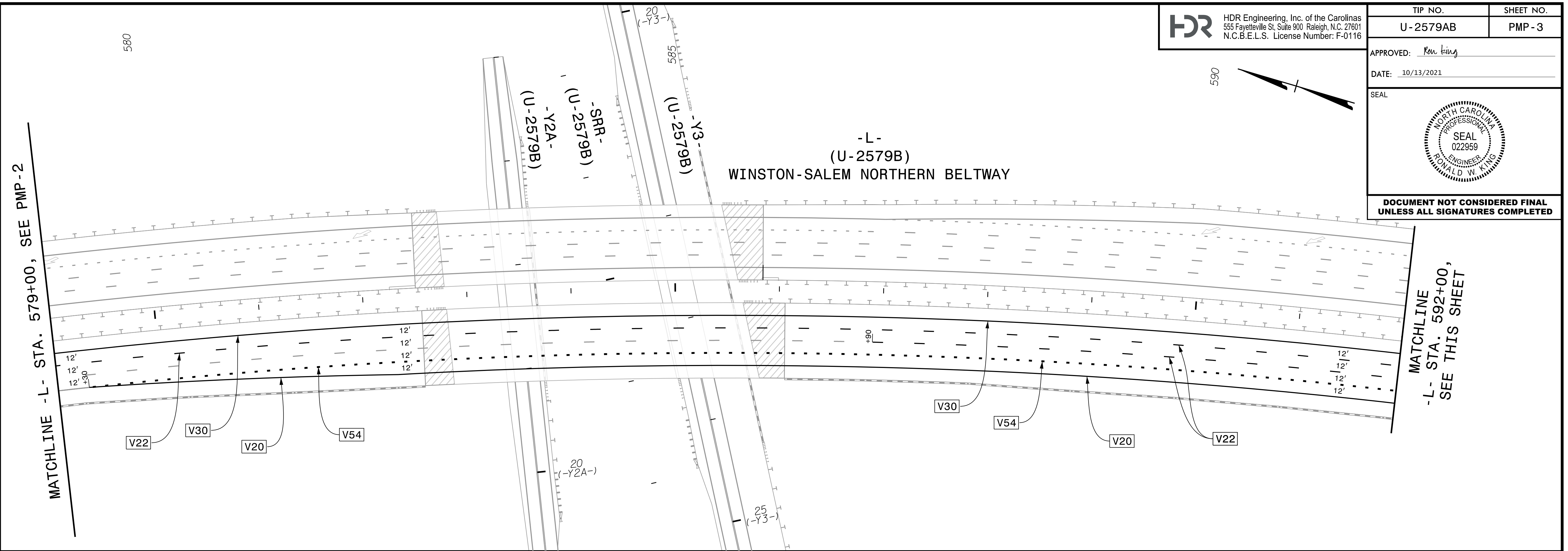


**PAVEMENT MARKING PLAN**



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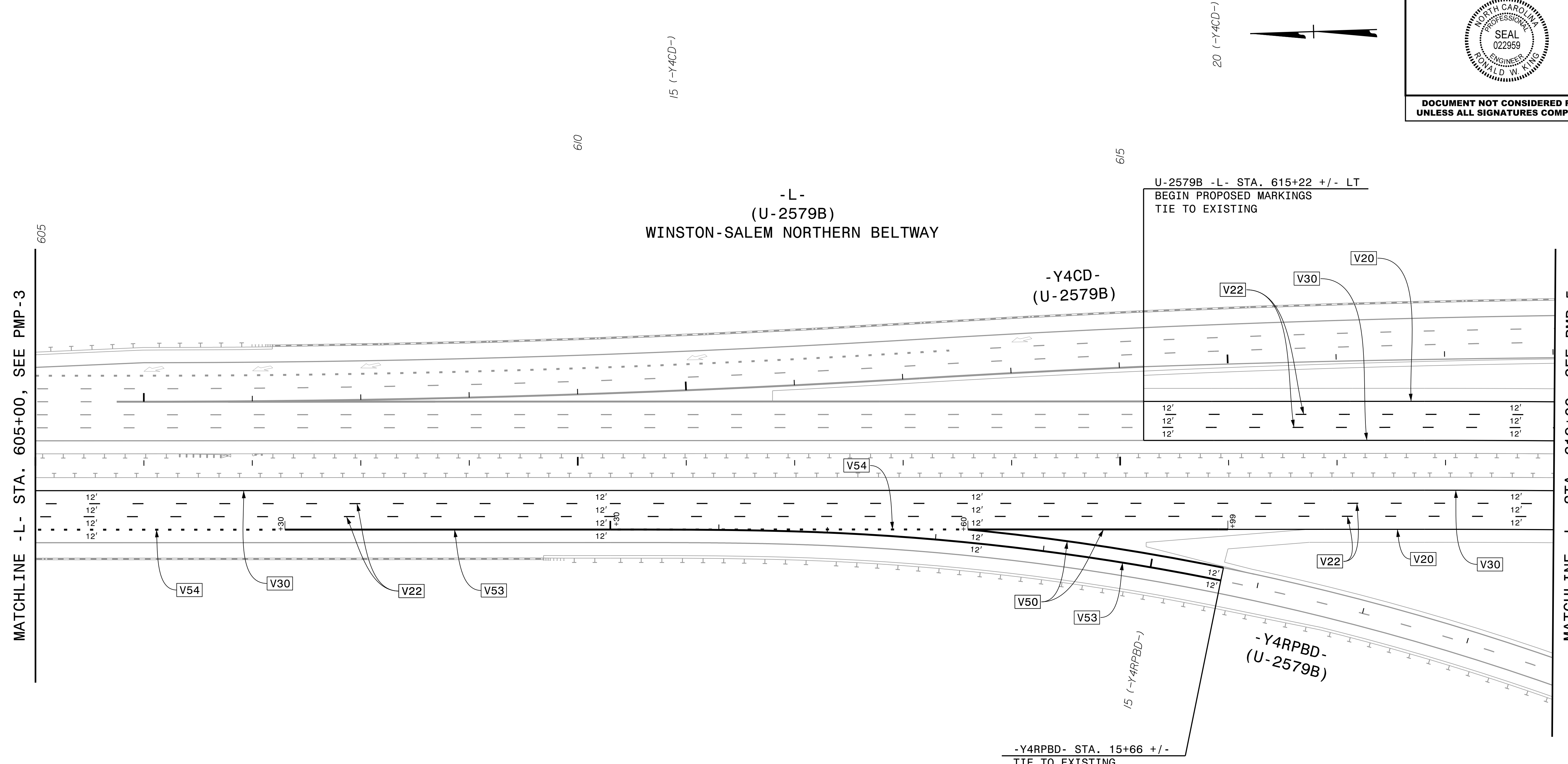
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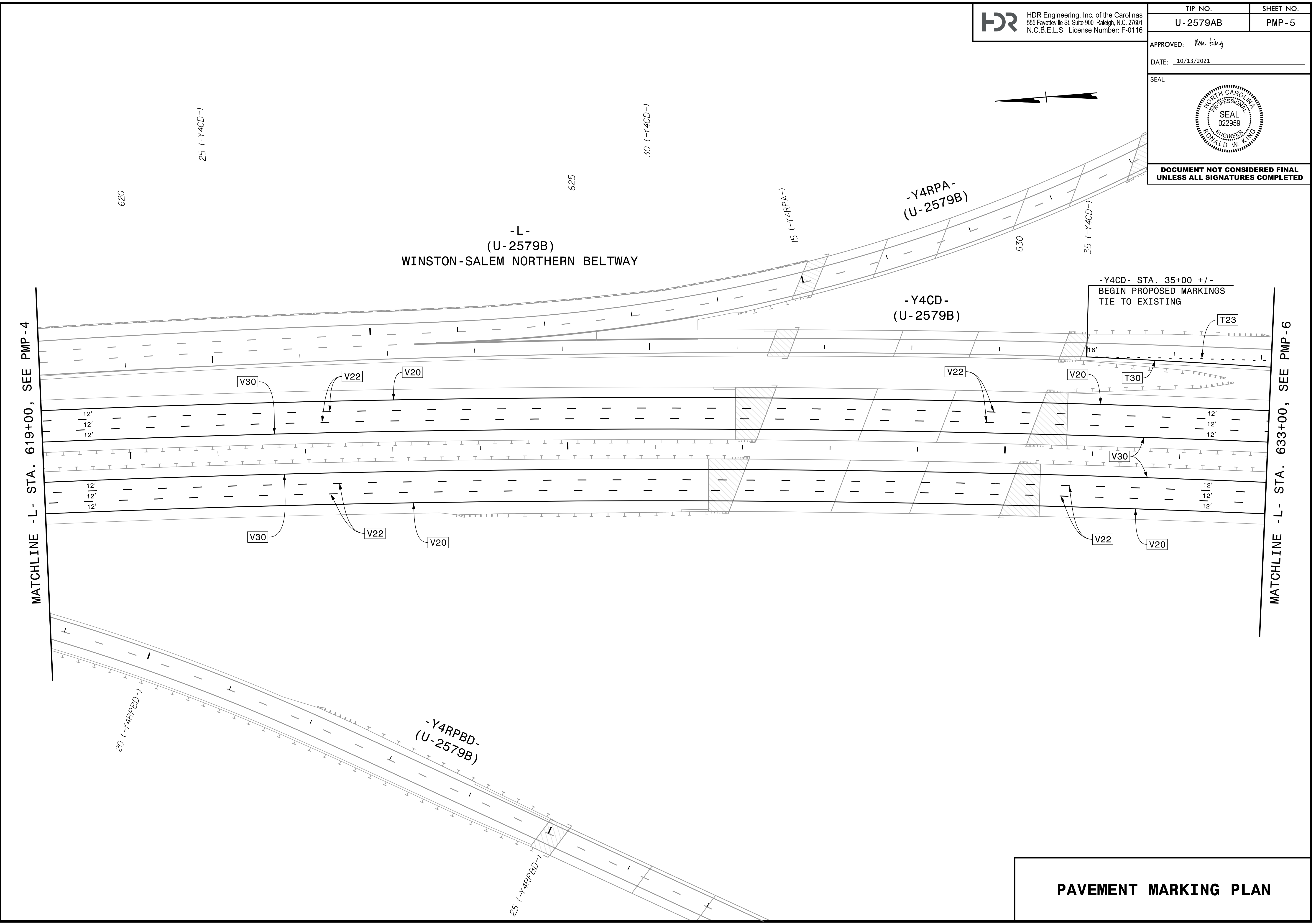
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**PAVEMENT MARKING PLAN**

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**PAVEMENT MARKING PLAN**

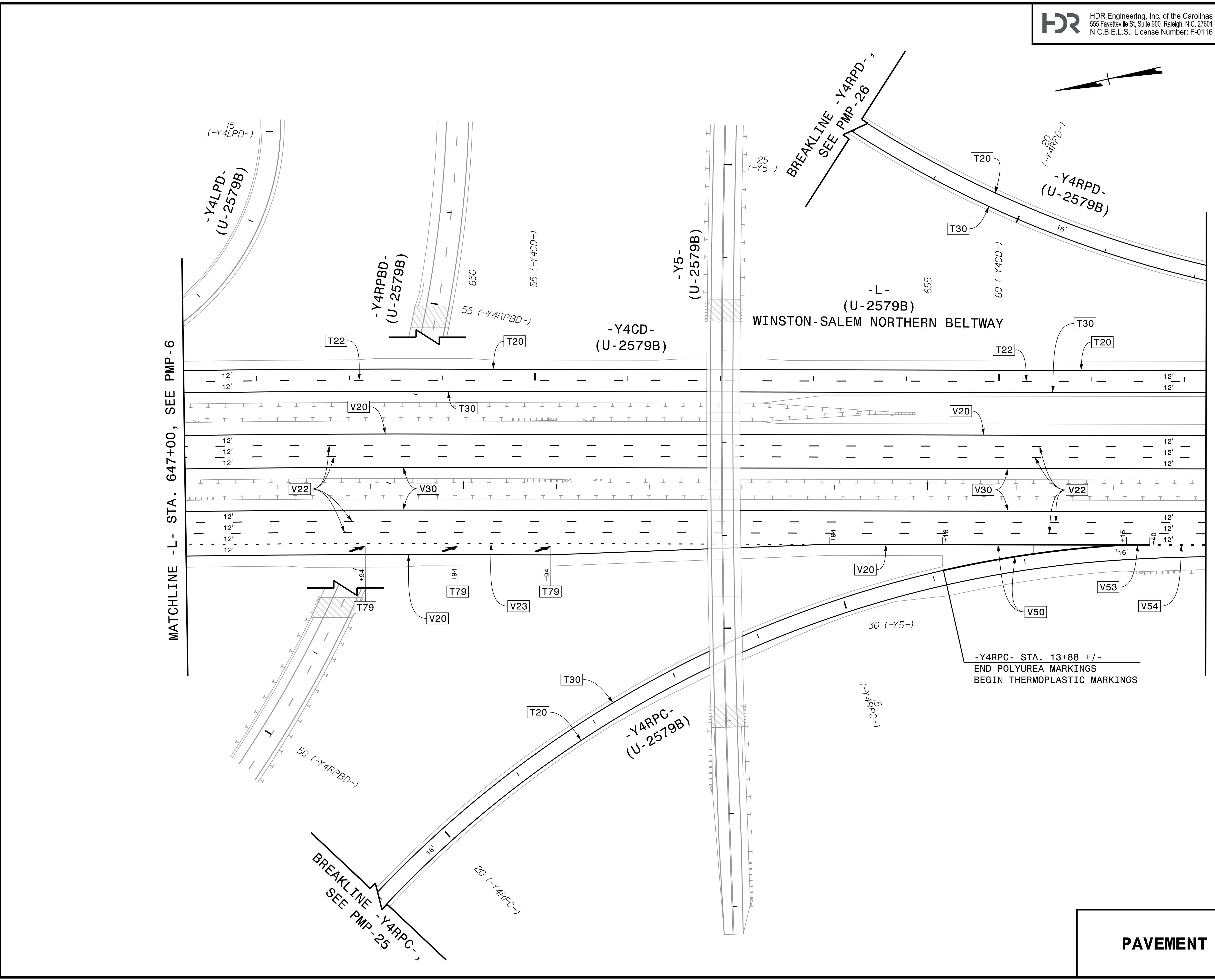






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UNLESS ALL SIGNATURES COMPLETED**

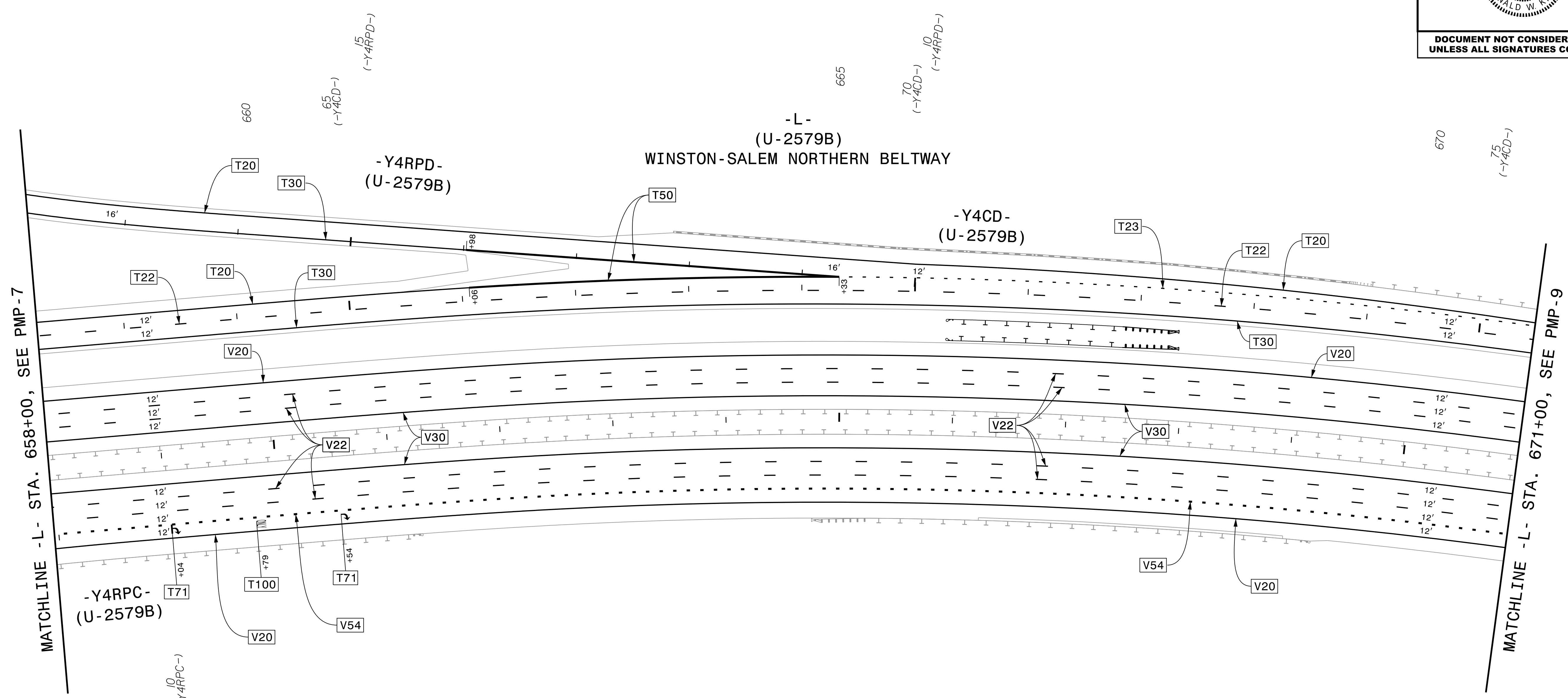
PLOT DRIVER: NCDOT... PENTABLE: NCDOT... USER: CHARNDEN DATE: 6/2/2021 TIME: 4:18:36 PM FILE: p:\dw\hdr\users\charnd\us\_eost\_01\Documents\NCDOT\2015\NCDOT\_TMSD\_Limited\_Services\_Contract\_M...7000016704\NCDOT\_U2579AB\_Sign\_and\_Mark\_V6.0\_CAD\_BIM\_V6.2\_WIP\Pavement\_Marking\_U2579AB\_PM\_PMP07



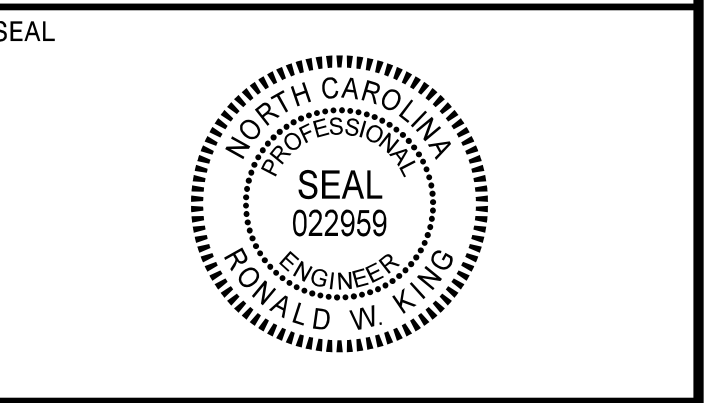
**PAVEMENT MARKING PLAN**



PLOT DRIVER: NCDOT\_pmf\_color\_eng\_50.plt  
 USER: CHARNDEN  
 DATE: 6/2/2021  
 FILE: p:\p\h\h\users\01\HDR\_US\_East\_01\Documents\NCDOT\2015\NCDOT\_TMSD\_Limited\_Services\_Contract\_M\_7000016704\NCDOT\_U2579AB\_Sign\_and\_Mark\_v6.0\_CAD\_BIM\6.2\_WIP\Pavement\_Marking\_U2579AB\_PM\_PMP08

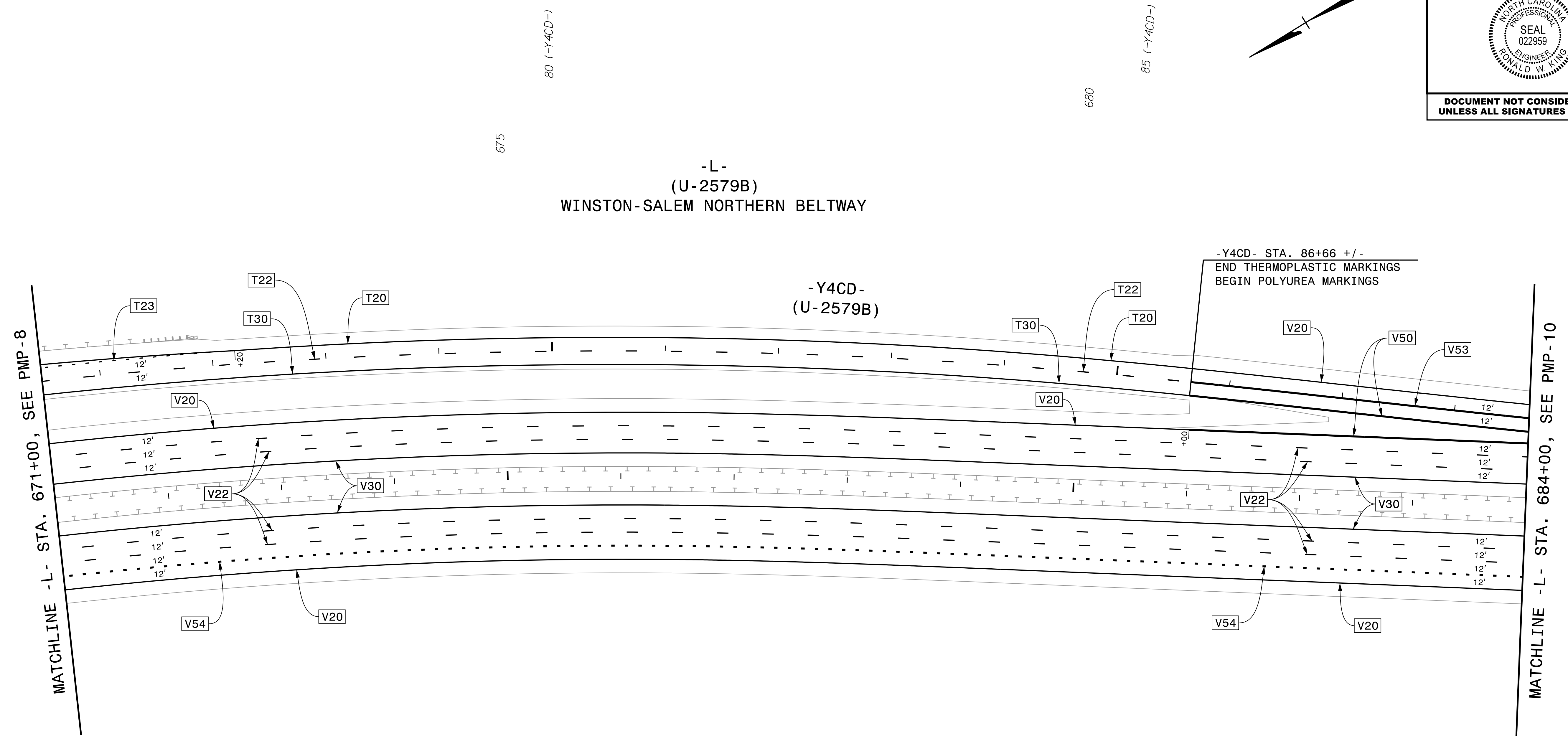


**PAVEMENT MARKING PLAN**



**DOCUMENT NOT CONSIDERED FINAL  
 UNLESS ALL SIGNATURES COMPLETED**

PLOT DRIVER: NCDOT\_pmf\_color\_eng\_50.plt PENTABLE: NCDOT\_PMP.tbl  
 USER: CHARNDEN DATE: 6/2/2021 TIME: 4:19:15 PM  
 FILE: p:\pwhdr\users\charnden\US\_East\_01\Documents\NCDOT\2015\_NCDOT\_TMSD\_Limited\_Services\_Contract\_M7000016704\NCDOT\_U2579AB\_Sign\_and\_Mark\_v6.0\_CAD\_BIM\6.2\_WIP\Pavement\_Marking\_U2579AB\_PM\_PMP09

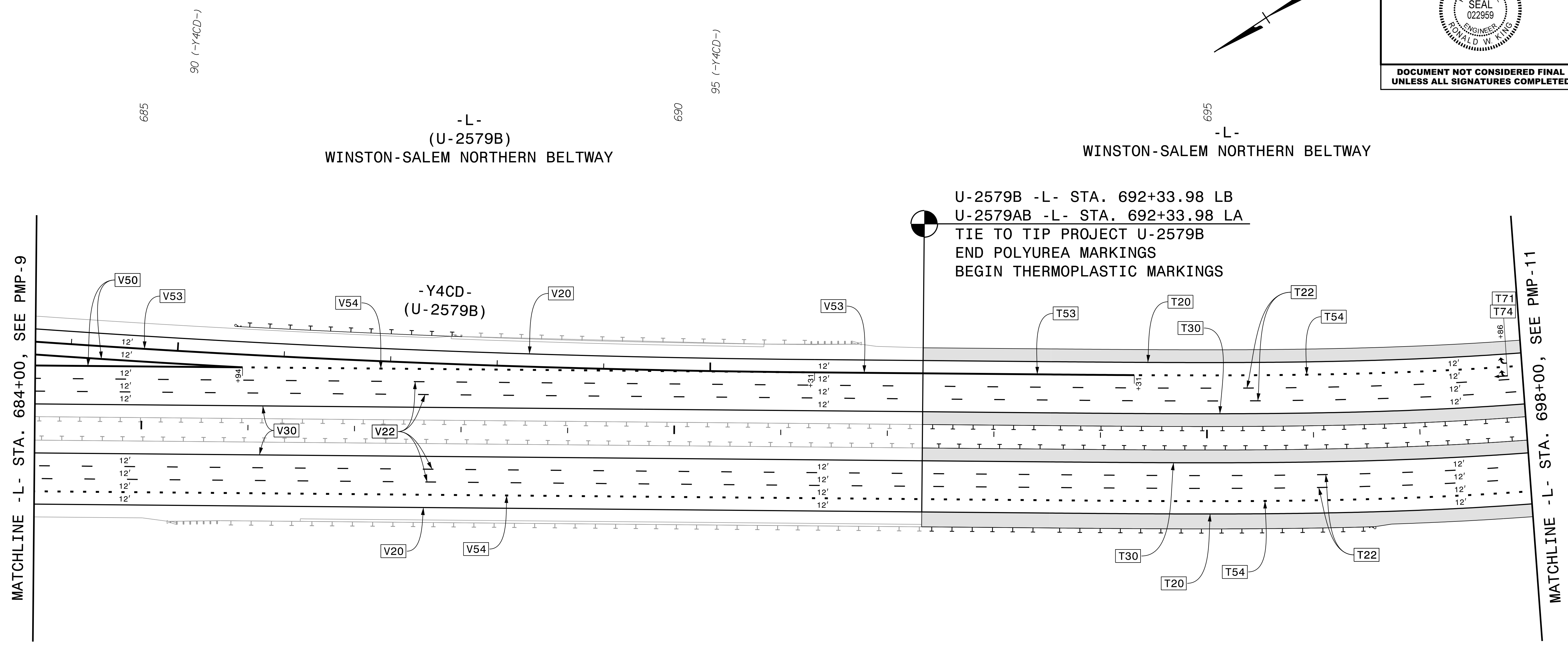
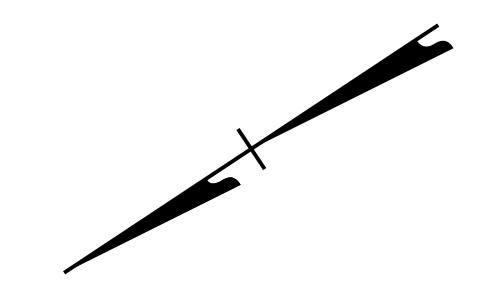


**PAVEMENT MARKING PLAN**





**DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED**



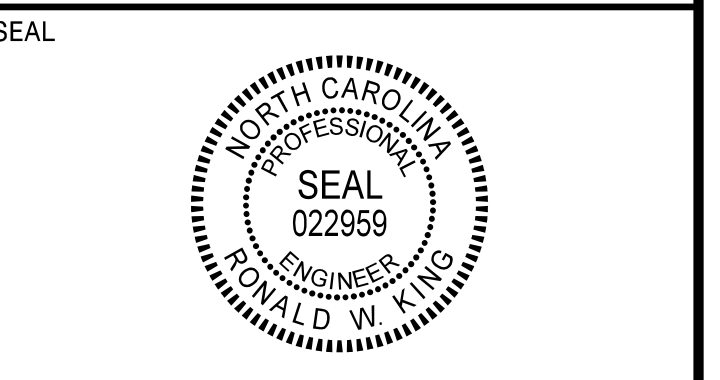
MATCHLINE -L- STA. 684+00, SEE PMP-9

MATCHLINE -L- STA. 698+00, SEE PMP-11

U-2579B -L- STA. 692+33.98 LB  
U-2579AB -L- STA. 692+33.98 LA  
TIE TO TIP PROJECT U-2579B  
END POLYUREA MARKINGS  
BEGIN THERMOPLASTIC MARKINGS

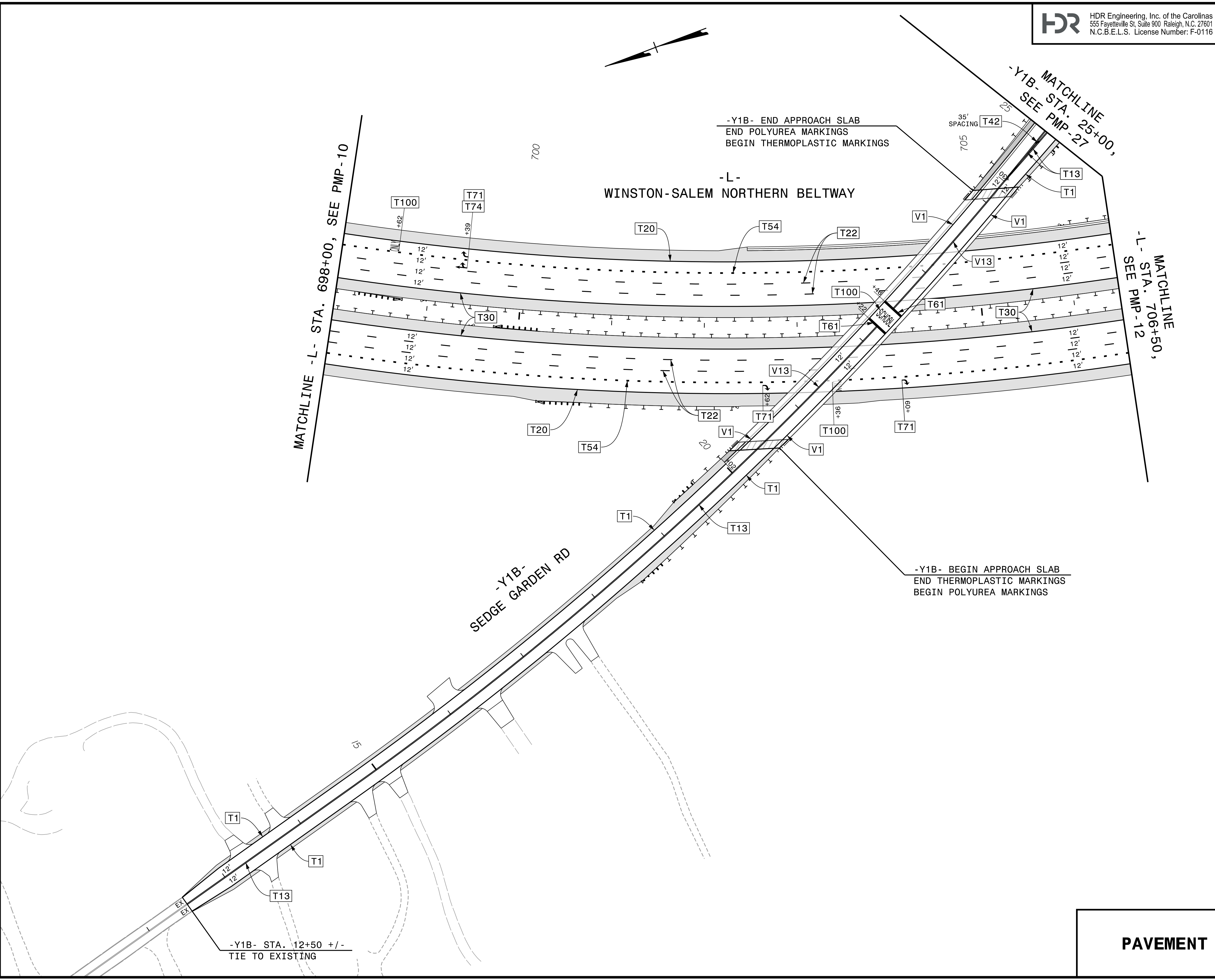
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USER: CHARNDEN  
DATE: 6/2/2021  
FILE: p:\p\h\dr\users\charnd\US\_East\_01\Documents\NCDOT\2015\_NCDOT\_TMSD\_Limited\_Services\_Contract\_M7000016704\NCDOT\_U2579AB\_Sign\_and\_Mark\_v6.0\_CAD\_BIM\6.2\_WIP\Pavement\_Marking\U2579AB\_PM\_PMP10.dgn

**PAVEMENT MARKING PLAN**



**DOCUMENT NOT CONSIDERED FINAL  
 UNLESS ALL SIGNATURES COMPLETED**

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 USER: CHARNDEN DATE: 6/2/2021 TIME: 4:19:54 PM  
 FILE: p:\p\h\users\charnd\us-east\01\Documents\NCDOT\2015\NCDOT\_TMSD.Limited.Services.Contract\_M.7000016704\NCDOT\_U2579AB.Sign\_and\_Mark.v6.0.CAD.BIM.v6.2.WIP\Pavement\Marking\U2579AB.PM.PMP11.dgn



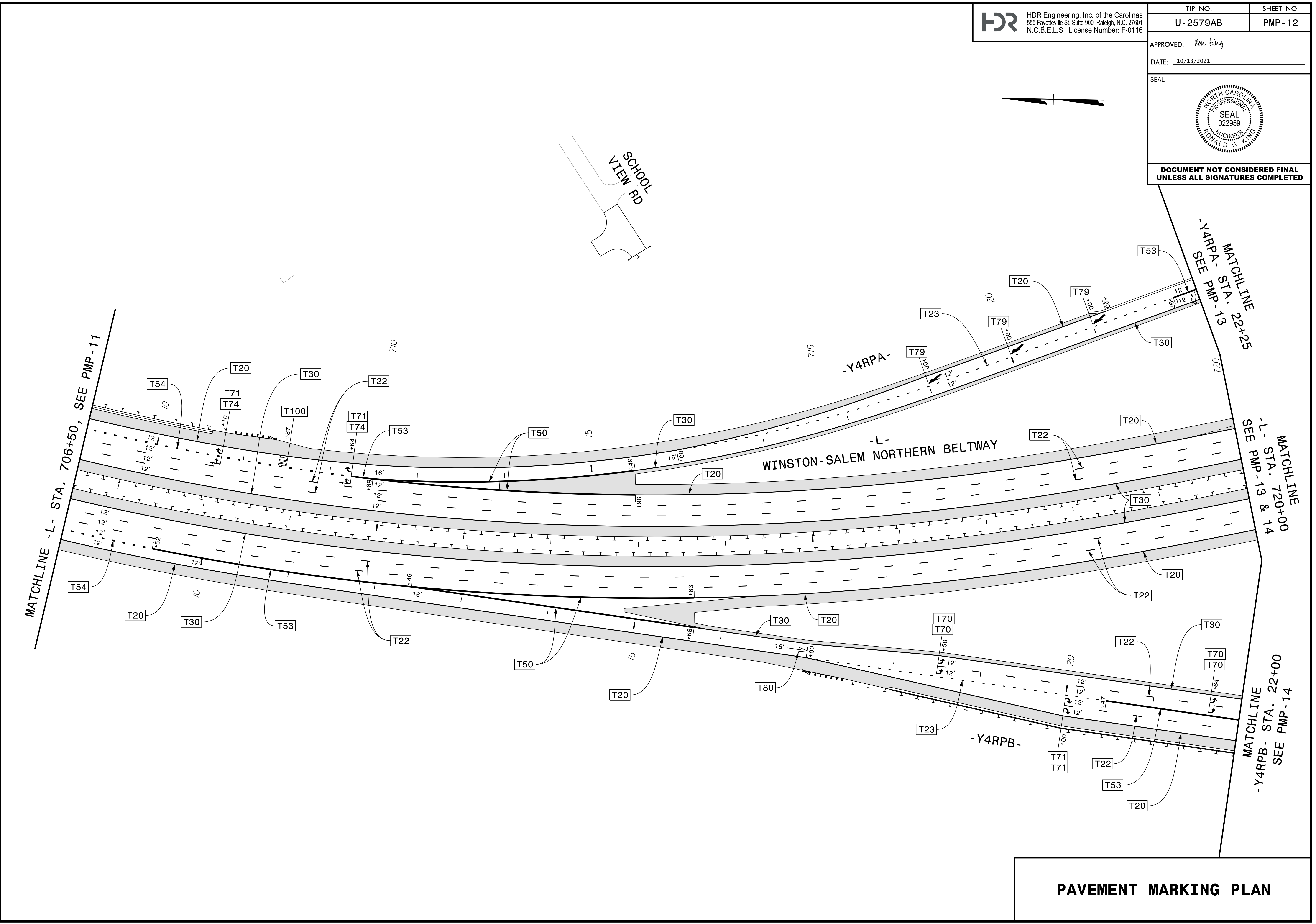
**PAVEMENT MARKING PLAN**





**DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED**

PLOT DRIVER: NCDOT\_pmf\_color\_eng\_50.plt  
USER: CHARNDEN  
FILE: p:\dwg\hdr\users\01\hdr\US\_Eost\01\Documents\NCDOT\2015\NCDOT\_TMSD\_Limited\_Services\_Contract\_M\_7000016704\NCDOT\_U2579AB\_Sign\_and\_Mark\_v6.0\_CAD\_BIM\6.2\_WIP\Pavement\_Marking\_U2579AB\_PM\_PMP12.dgn  
PENTABLE: NCDOT\_PMP.tbl  
DATE: 6/2/2021  
TIME: 4:20:10 PM



**PAVEMENT MARKING PLAN**



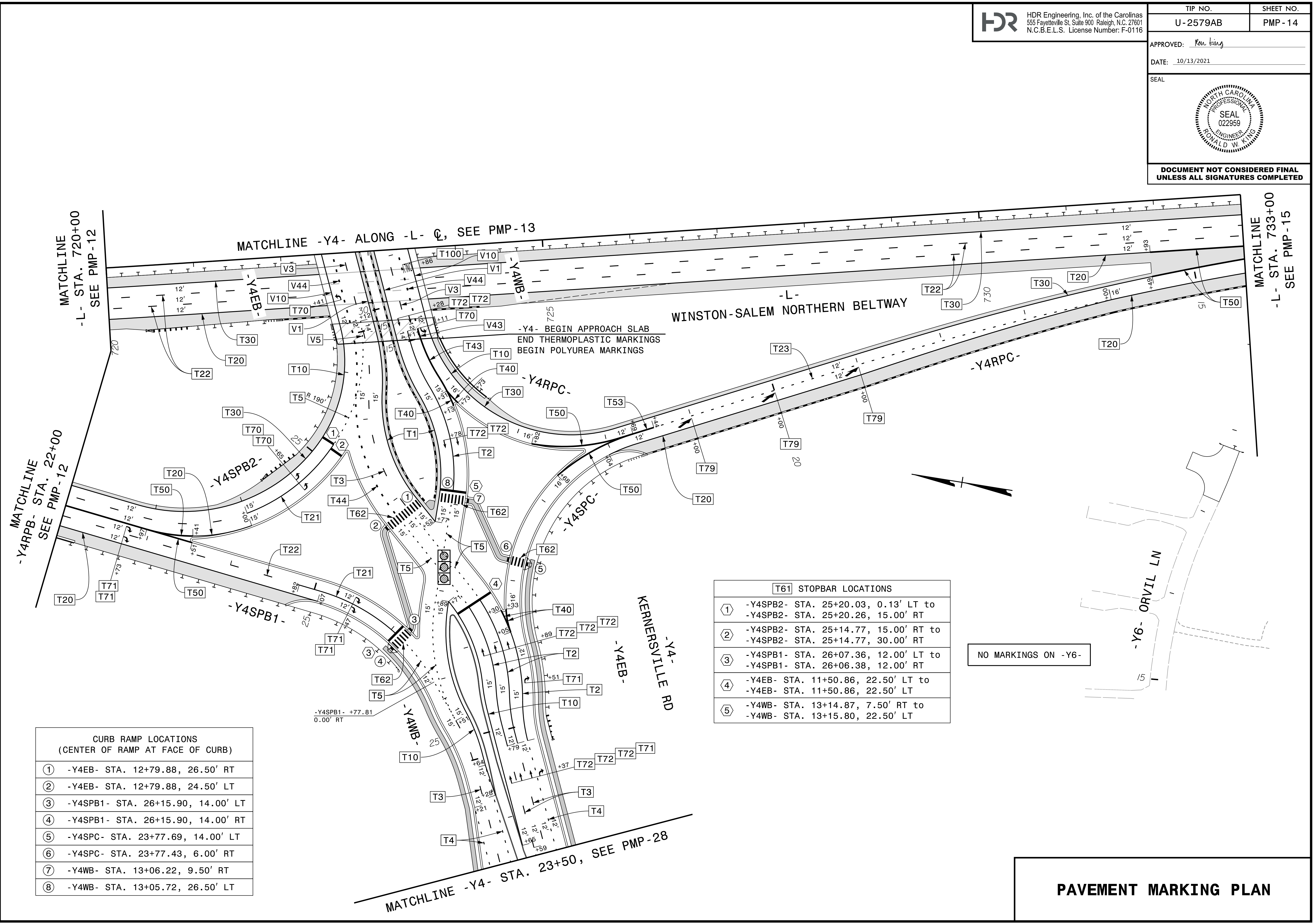






**DOCUMENT NOT CONSIDERED FINAL  
 UNLESS ALL SIGNATURES COMPLETED**

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 USER: CHARNDEN  
 DATE: 6/2/2021  
 TIME: 4:20:45 PM  
 FILE: p:\dwg\hdr\users\01\hdr\US\_Eost\01\Documents\NCDOT\2015\NCDOT\_TMSD\_Limited\_Services\_Contract\_ML7000016704\NCDOT\_U2579AB\_Sign\_and\_Mark\_V6.0\_CAD\_BIM\_V6.2\_WIP\Pavement\_Marking\_U2579AB\_PM\_PMP14.dgn



CURB RAMP LOCATIONS (CENTER OF RAMP AT FACE OF CURB)	
①	-Y4EB- STA. 12+79.88, 26.50' RT
②	-Y4EB- STA. 12+79.88, 24.50' LT
③	-Y4SPB1- STA. 26+15.90, 14.00' LT
④	-Y4SPB1- STA. 26+15.90, 14.00' RT
⑤	-Y4SPC- STA. 23+77.69, 14.00' LT
⑥	-Y4SPC- STA. 23+77.43, 6.00' RT
⑦	-Y4WB- STA. 13+06.22, 9.50' RT
⑧	-Y4WB- STA. 13+05.72, 26.50' LT

T61 STOPBAR LOCATIONS	
①	-Y4SPB2- STA. 25+20.03, 0.13' LT to -Y4SPB2- STA. 25+20.26, 15.00' RT
②	-Y4SPB2- STA. 25+14.77, 15.00' RT to -Y4SPB2- STA. 25+14.77, 30.00' RT
③	-Y4SPB1- STA. 26+07.36, 12.00' LT to -Y4SPB1- STA. 26+06.38, 12.00' RT
④	-Y4EB- STA. 11+50.86, 22.50' LT to -Y4EB- STA. 11+50.86, 22.50' LT
⑤	-Y4WB- STA. 13+14.87, 7.50' RT to -Y4WB- STA. 13+15.80, 22.50' LT

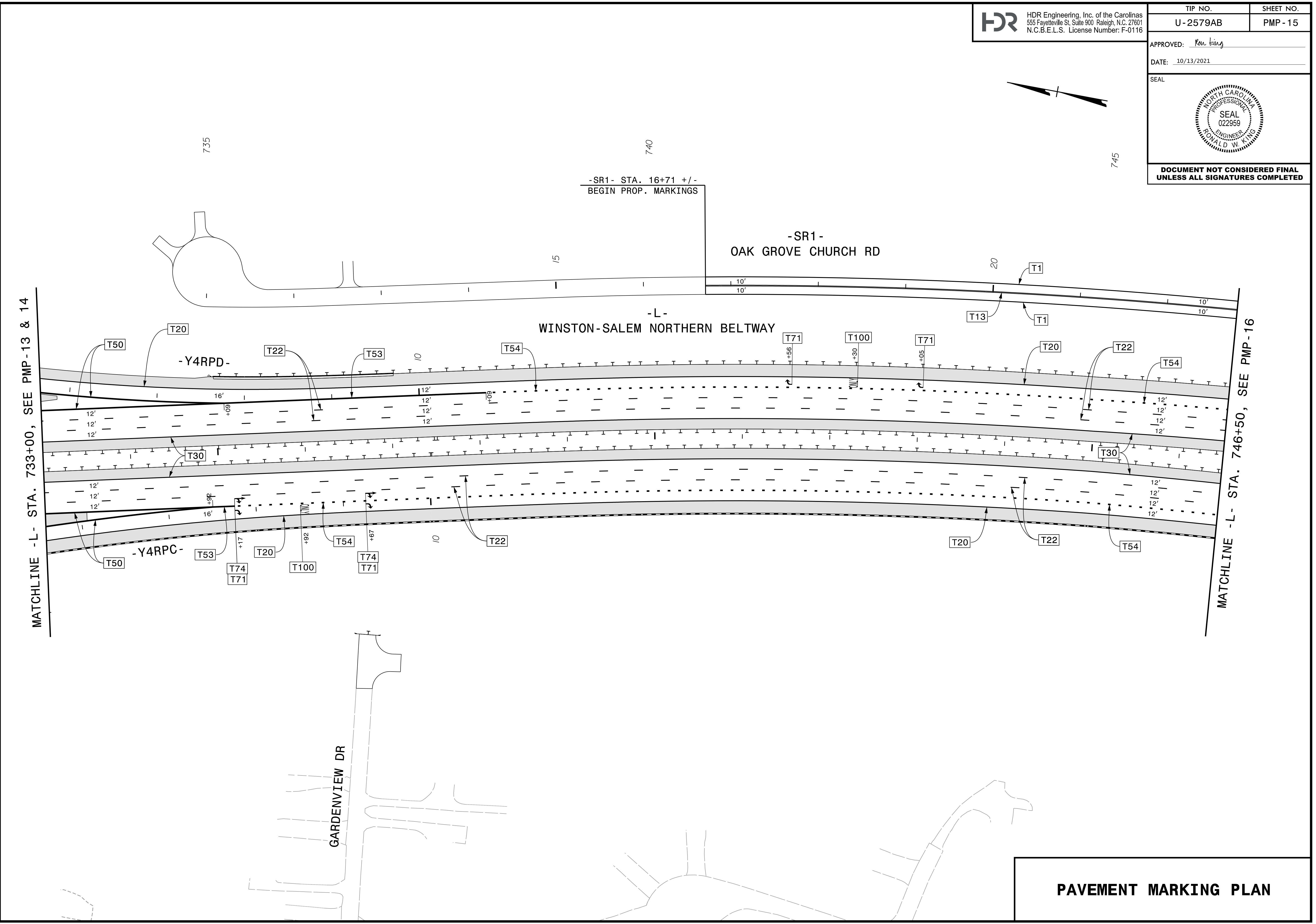
NO MARKINGS ON -Y6-

**PAVEMENT MARKING PLAN**



**DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED**

PLOT DRIVER: NCDOT...pdf\_color\_eng\_50.pht  
USER: CHARNDEN  
DATE: 6/2/2021  
FILE: p:\dw\hdr\users\01\hdr\US\_East\_01\Documents\NCDOT\2015\_NCDOT\_TMSD\_Limited\_Services\_Contract\_M\_7000016704\NCDOT\_U2579AB\_Sign\_and\_Mark\_V6.0\_CAD\_BIM\_V6.2\_WIP\Pavement\_Marking\_U2579AB\_PM\_PMP15.dgn

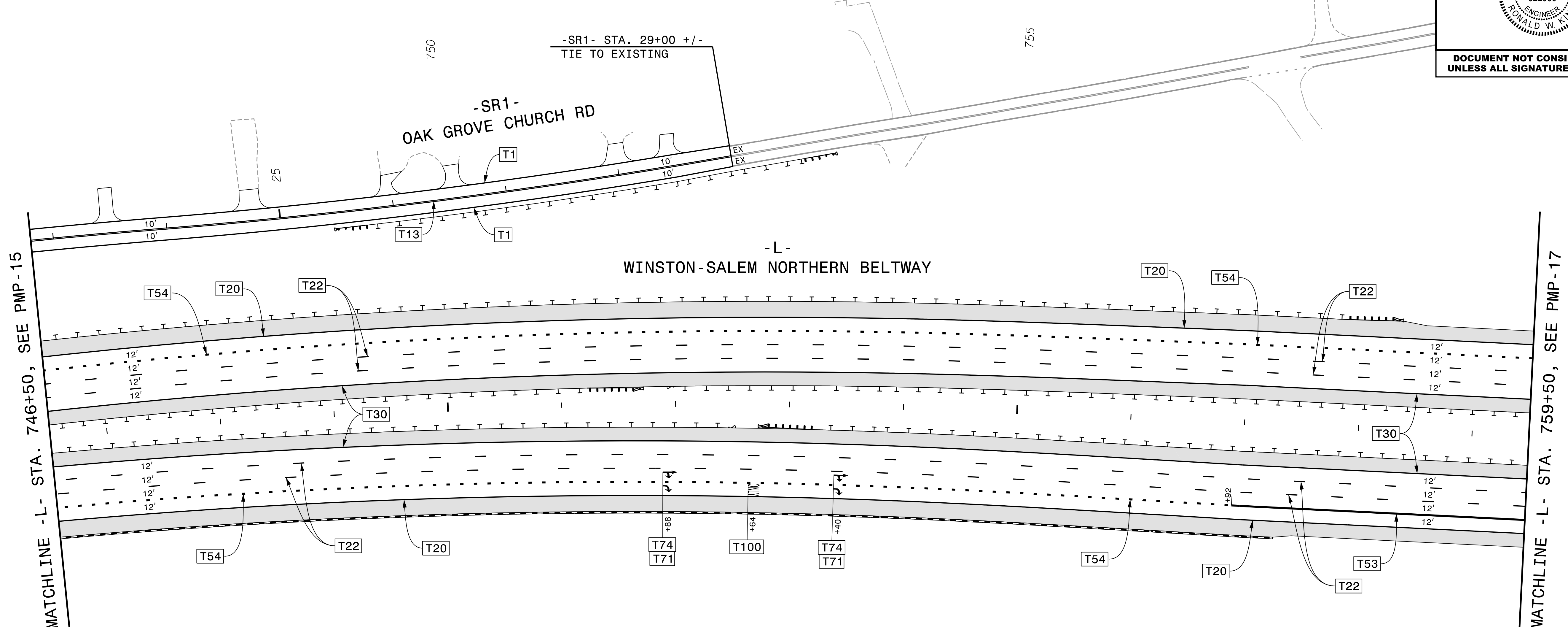


**PAVEMENT MARKING PLAN**





**DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED**



MATCHLINE -L- STA. 746+50, SEE PMP-15

MATCHLINE -L- STA. 759+50, SEE PMP-17

-SR1- STA. 29+00 +/-  
TIE TO EXISTING

-SR1-  
OAK GROVE CHURCH RD

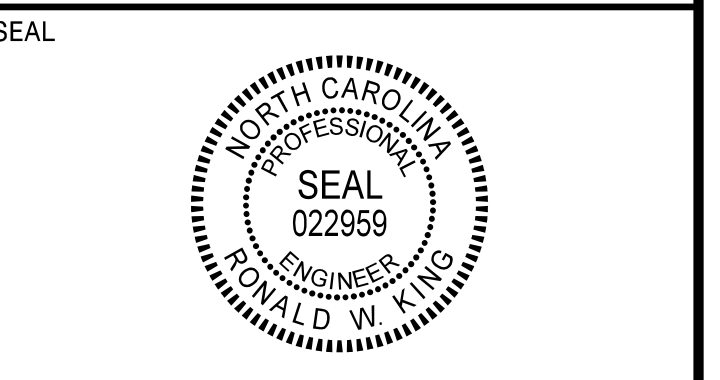
-L-  
WINSTON-SALEM NORTHERN BELTWAY

NO MARKINGS ON -Y8-

PLOT DRIVER: NCDOT...pdf\_color\_eng\_50.pht  
USER: CHARNDEN  
FILE: p:\p\h\dr\users\01\h\dr\us\east\01\Documents\NCDOT\2015\NCDOT\_TMSD\Limited\_Services\_Contract\_M\7000016704\NCDOT\_U2579AB\_Sign\_and\_Mark\_v6.0\_CAD\_BIM\6.2\_WIP\Pavement\_Marking\_U2579AB\_PM\_PMP16.dgn  
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DATE: 6/2/2021  
TIME: 4:21:20 PM

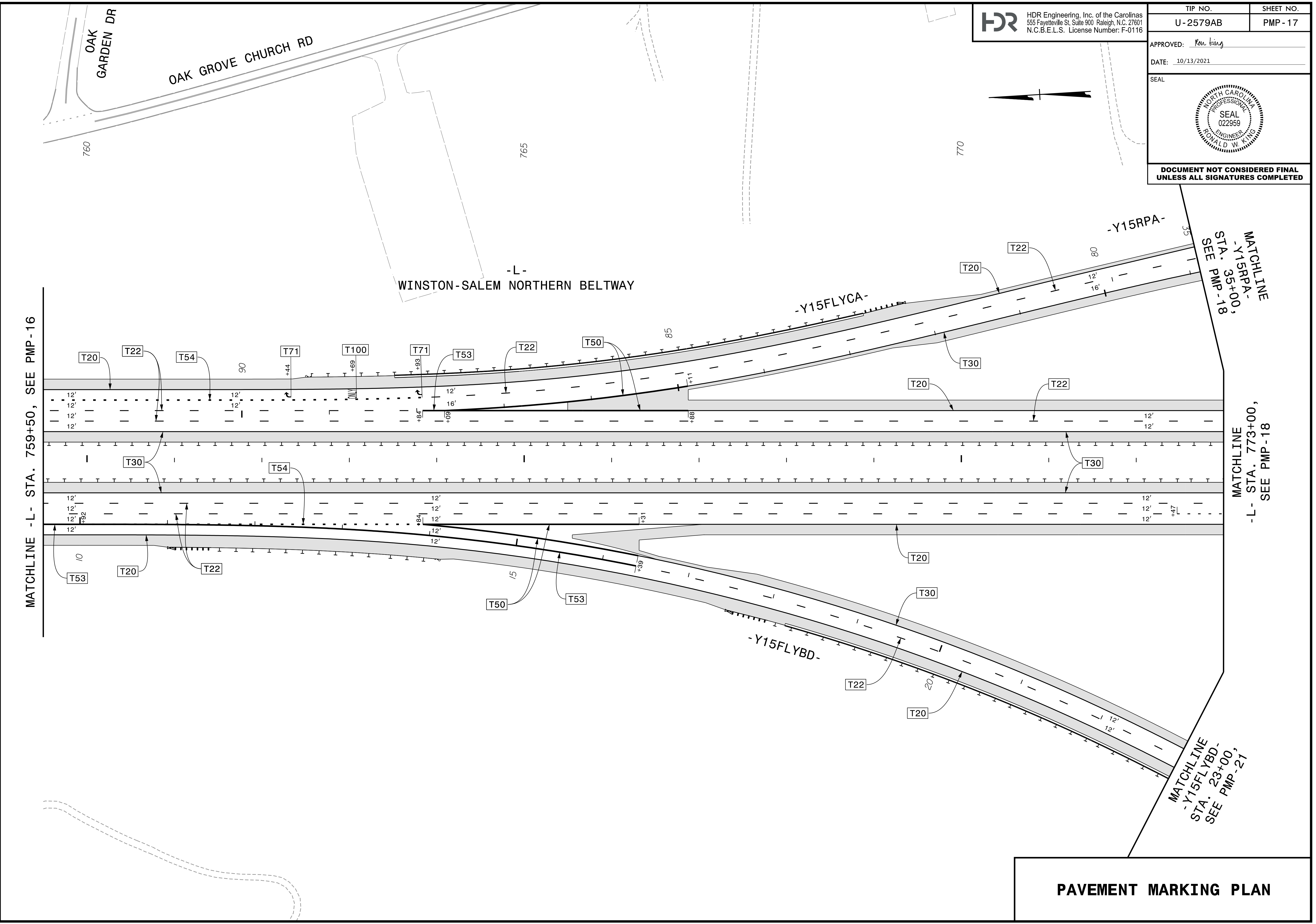


**PAVEMENT MARKING PLAN**



**DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED**

PLOT DRIVER: NCDOT...pdf\_color\_eng\_50.pht  
USER: CHARNDEN  
DATE: 6/2/2021  
FILE: p:\pwhdr\users\charnd\us\_eost\_01\documents\NCDOT\2015\NCDOT\_TMSD.Limited.Services.Contract.M.7000016704\NCDOT\_U2579AB.Sign\_and\_Mark.v6.0.CAD.BIM\6.2.WIP\Pavement\_Marking\_U2579AB\_PM.PMP17.dgn



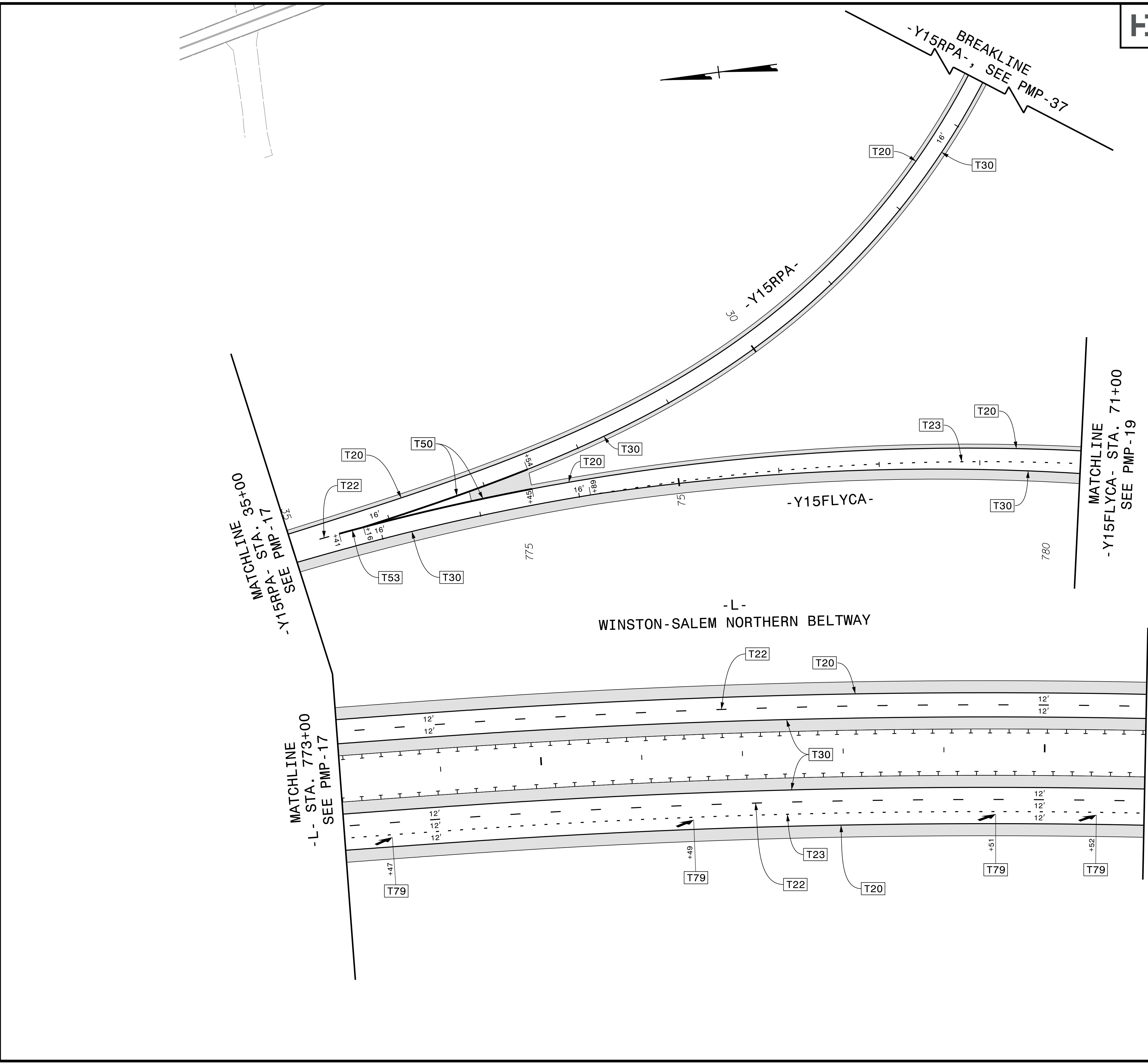
**PAVEMENT MARKING PLAN**





**DOCUMENT NOT CONSIDERED FINAL  
 UNLESS ALL SIGNATURES COMPLETED**

PLOT DRIVER: NCDOT\_pdf\_color\_eng\_50.pht PENTABLE: NCDOT\_PMP.tbl  
 USER: CHARNDEN DATE: 6/2/2021 TIME: 4:21:55 PM  
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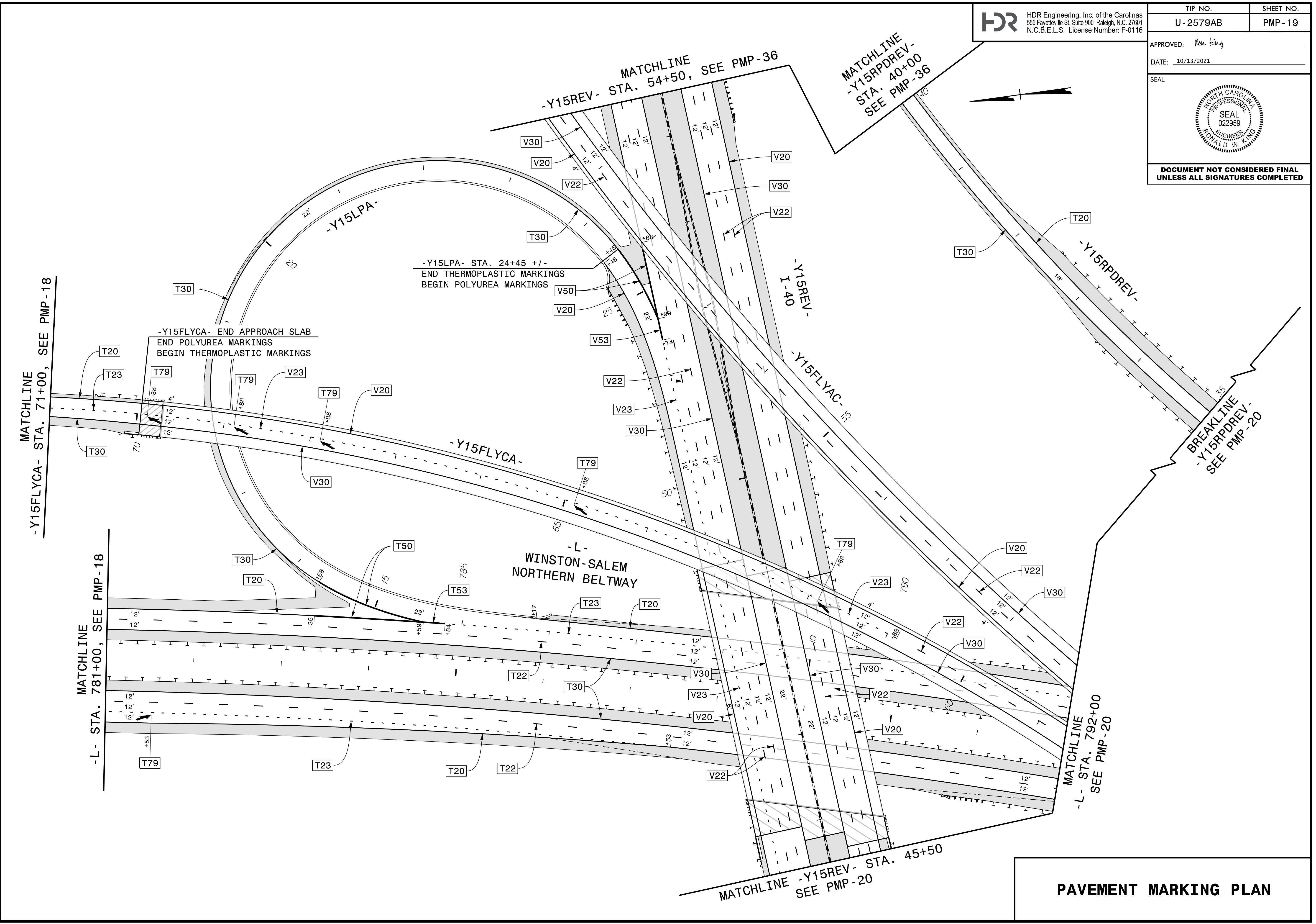


**PAVEMENT MARKING PLAN**



**DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED**

PLOT DRIVER: NCDOT...pdf\_color\_eng\_50.pht  
USER: CHARNDEN  
DATE: 6/2/2021  
TIME: 4:22:15 PM  
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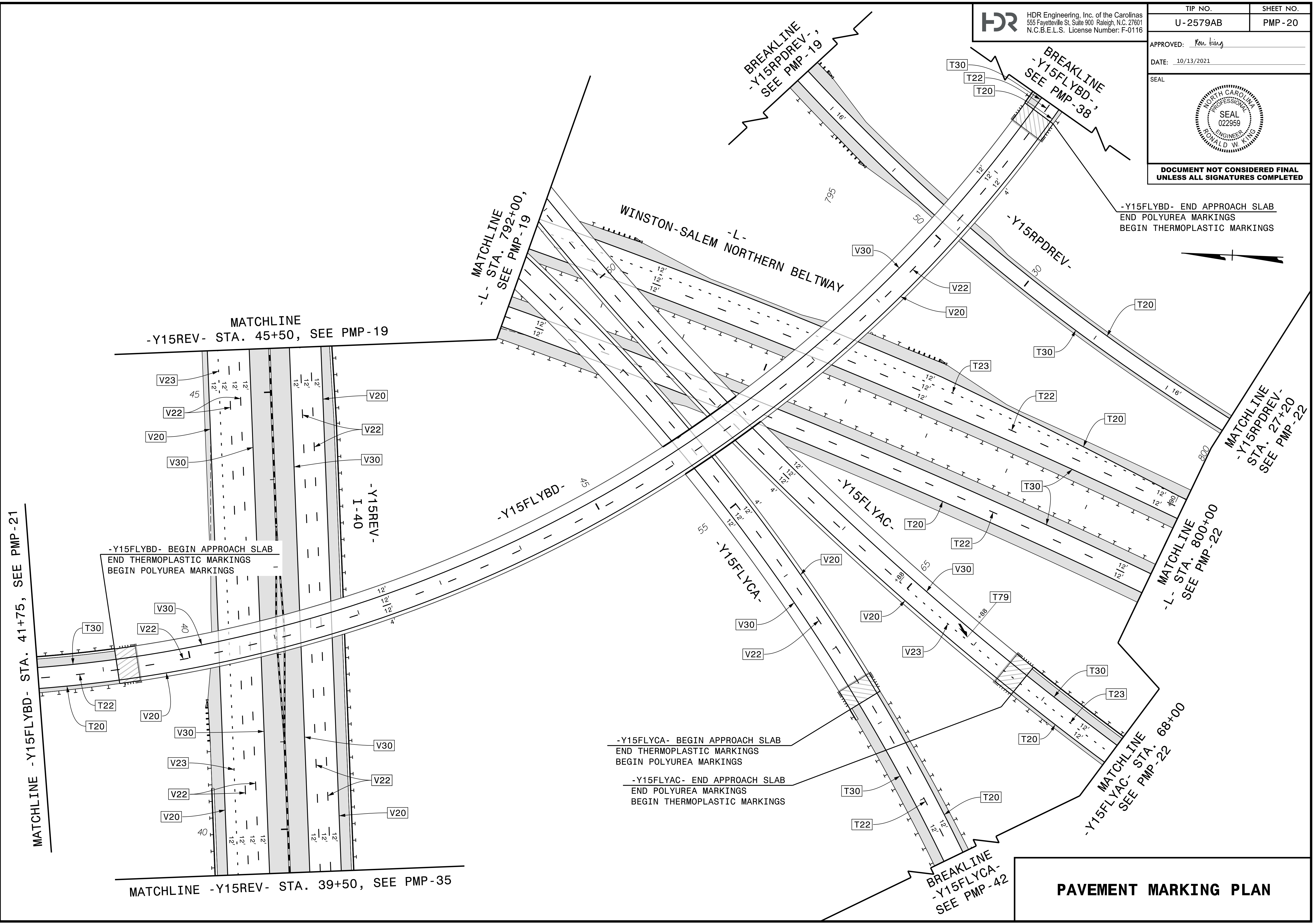
**PAVEMENT MARKING PLAN**





**DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED**

-Y15FLYBD- END APPROACH SLAB  
END POLYUREA MARKINGS  
BEGIN THERMOPLASTIC MARKINGS



MATCHLINE -Y15FLYBD- STA. 41+75, SEE PMP-21

MATCHLINE -Y15REV- STA. 45+50, SEE PMP-19

-Y15FLYBD- BEGIN APPROACH SLAB  
END THERMOPLASTIC MARKINGS  
BEGIN POLYUREA MARKINGS

-Y15FLYCA- BEGIN APPROACH SLAB  
END THERMOPLASTIC MARKINGS  
BEGIN POLYUREA MARKINGS

-Y15FLYAC- END APPROACH SLAB  
END POLYUREA MARKINGS  
BEGIN THERMOPLASTIC MARKINGS

MATCHLINE -Y15REV- STA. 39+50, SEE PMP-35

BREAKLINE -Y15FLYCA-  
SEE PMP-42

MATCHLINE -L- STA. 800+00  
SEE PMP-22

MATCHLINE -Y15RPDREV-  
STA. 27+20  
SEE PMP-22

**PAVEMENT MARKING PLAN**

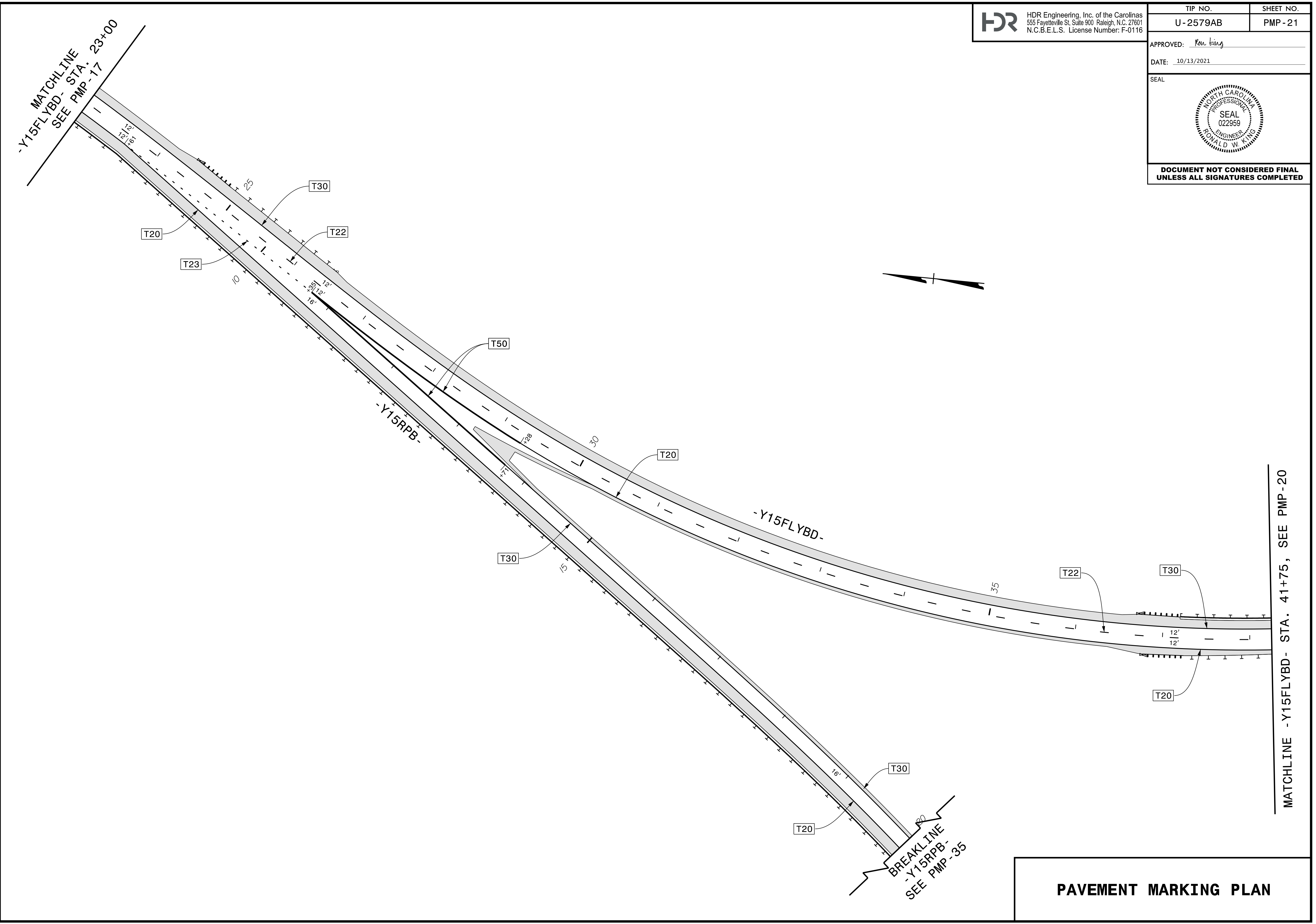
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USER: CHARNDEN  
DATE: 6/2/2021  
TIME: 4:22:33 PM  
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**DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED**

PLOT DRIVER: NCDOT\_color\_eng\_50.plt  
 USER: CHARNDEN  
 FILE: p:\p\h\h\uses\01\HDR\_US\_East\_01\Documents\NCDOT\2015\NCDOT\_TMSD.Limited.Services.Contract\_M.7000016704\NCDOT\_U2579AB\_Sign\_and\_Mark\_v6.0\_CAD\_BIM\6.2\_WIP\Pavement\_Mark\U2579AB\_PM\_PMP21.dgn  
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 DATE: 6/2/2021  
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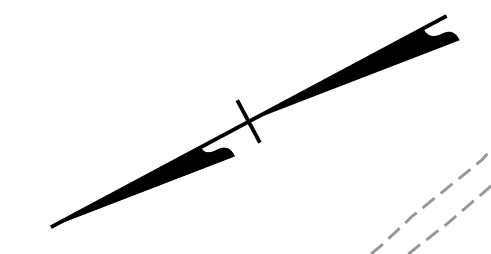


**PAVEMENT MARKING PLAN**

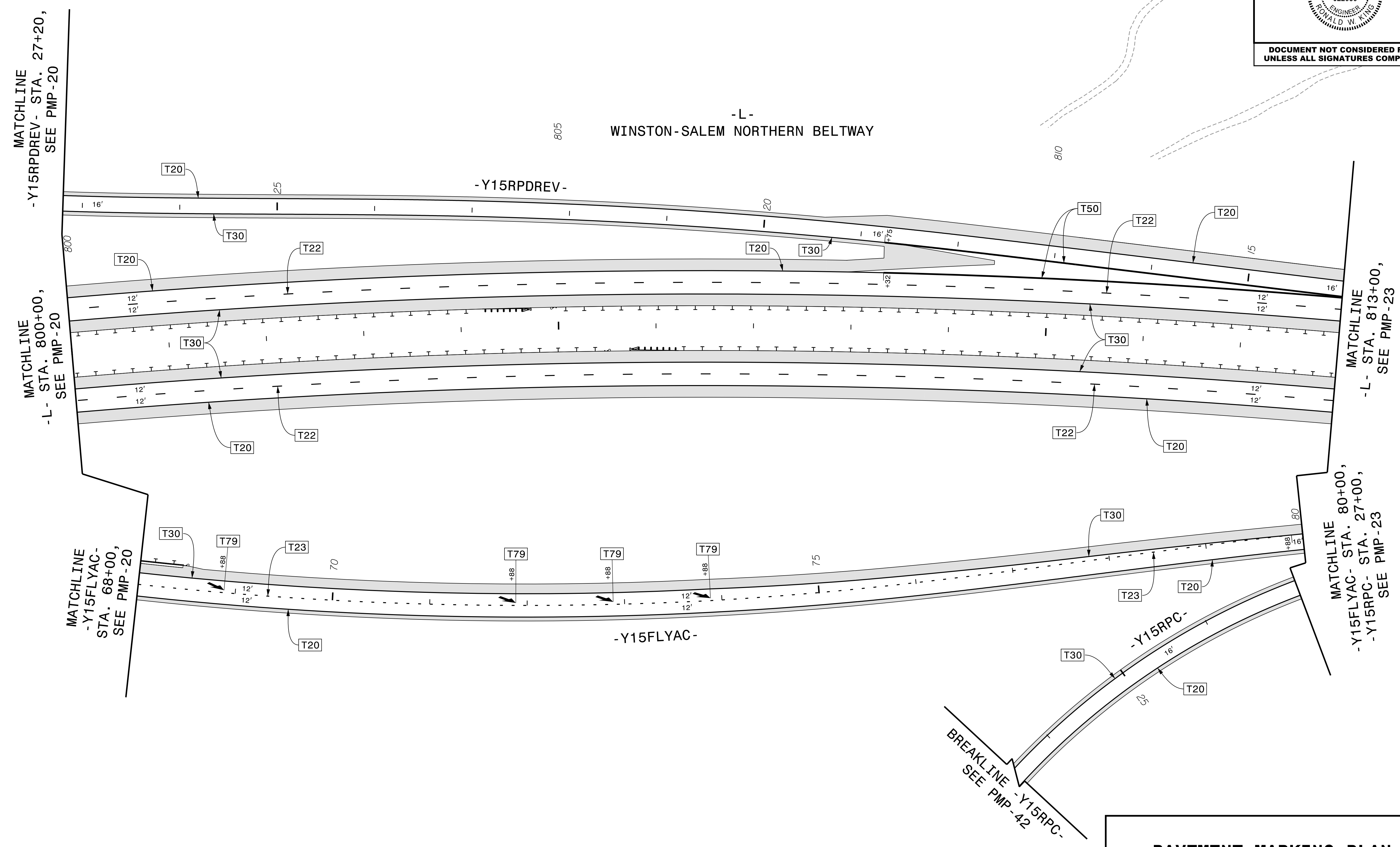




**DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED**



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USER: CHARNDEN  
DATE: 6/2/2021  
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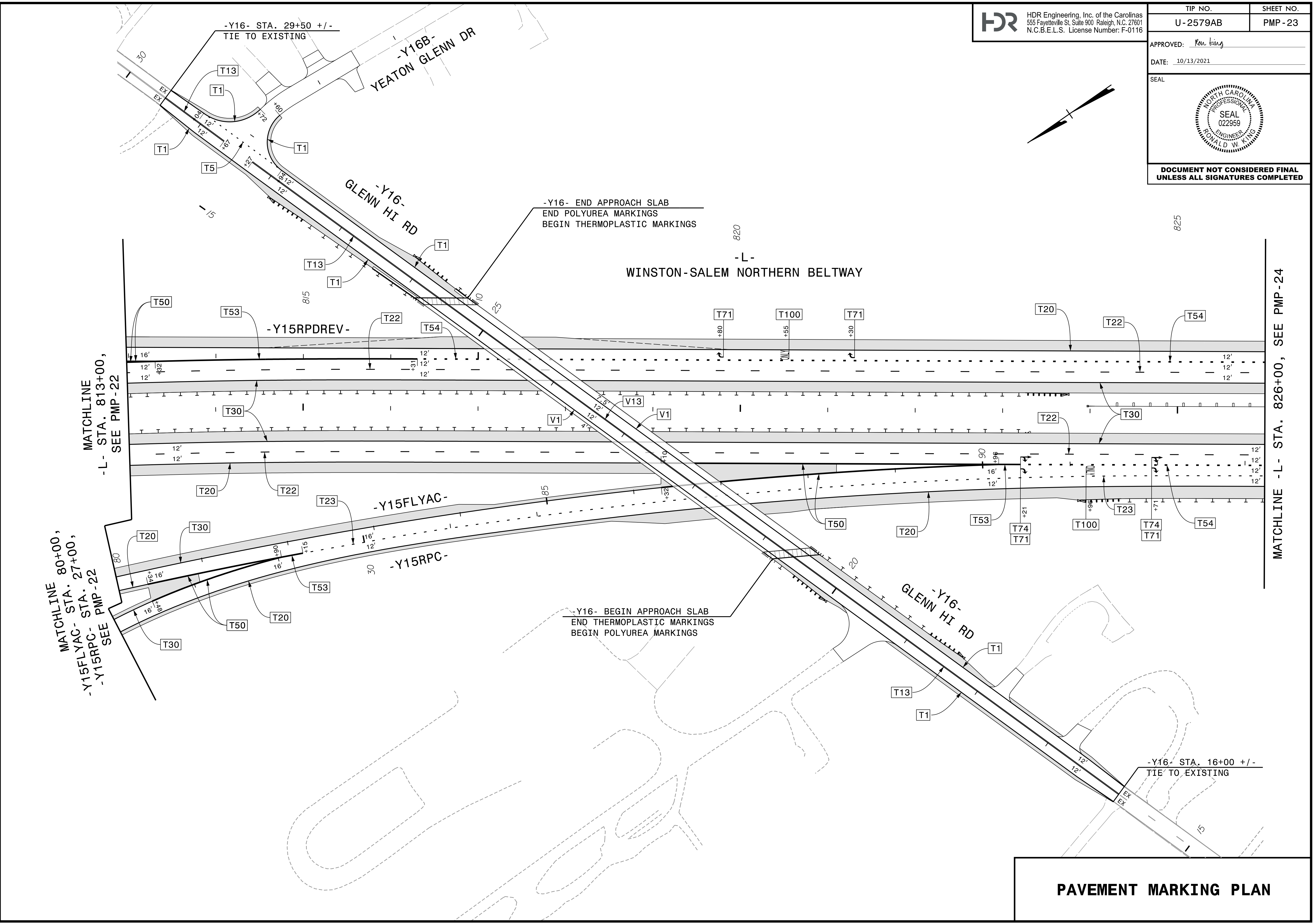


BREAKLINE -Y15RPC-  
SEE PMP-42

**PAVEMENT MARKING PLAN**



PLOT DRIVER: NCDOT...pdf\_color\_eng\_50.pht  
USER: CHARNDEN  
DATE: 6/2/2021  
FILE: p:\dwg\hdr\users\01\hdr\US\_East\01\Documents\NCDOT\2015\NCDOT\_TMSD\_Limited\_Services\_Contract\_M\7000016704\NCDOT\_U2579AB\_Sign\_and\_Mark\_v6.0\_CAD\_BIM\_v6.2\_WIP\Pavement\_Marking\_U2579AB\_PM\_PMP23.dgn

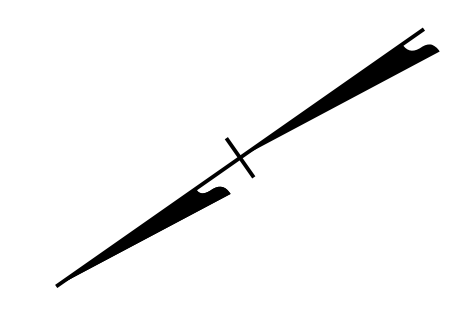


**PAVEMENT MARKING PLAN**





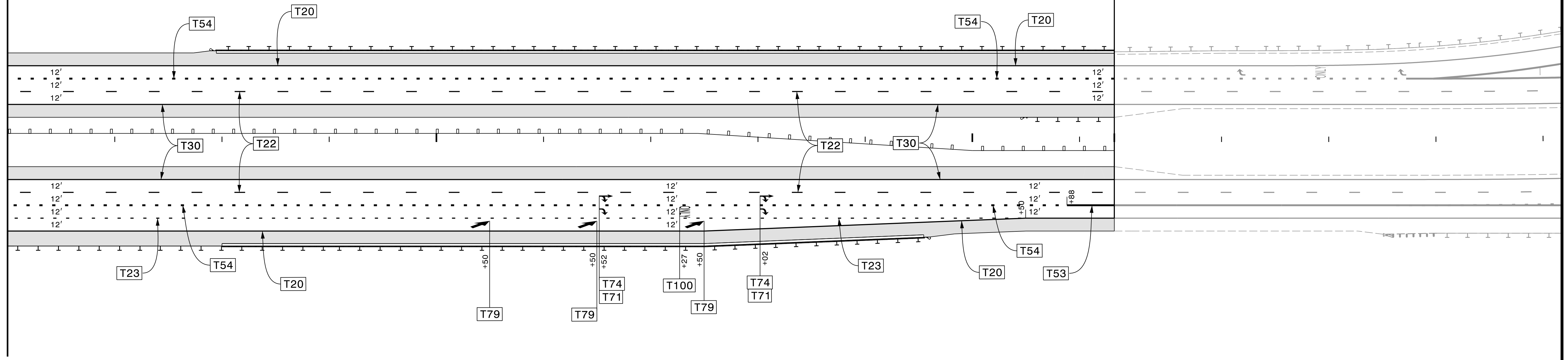
**DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED**



MATCHLINE -L- STA. 826+00, SEE PMP-23

-L-  
WINSTON-SALEM NORTHERN BELTWAY

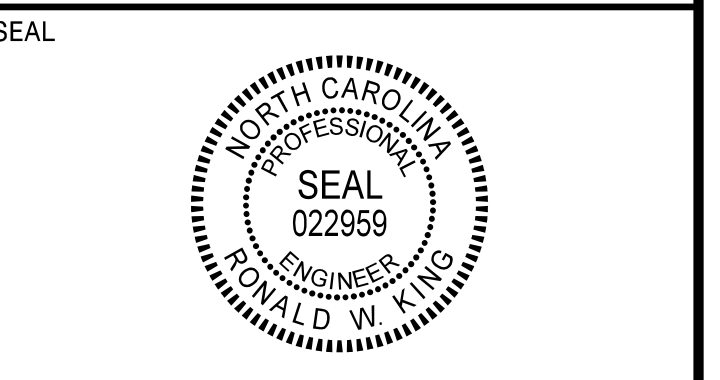
U-2579AB -L- STA. 836+32.44 LB  
U-2579AA -L- STA. 10+00.00 LA  
TIE TO TIP PROJECT U-2579AA



PLOT DRIVER: NCDOT\_color\_eng\_50.plt  
USER: CHARNDEN  
FILE: p:\pwhdr\users\charnd\US\_East\_01\Documents\NCDOT\2015\NCDOT\_TMSD.Limited.Services.Contract.M.7000016704\NCDOT\_U2579AB\_Sign\_and\_Mark\_v6.0\_CAD\_BIM\6.2\_WIP\Pavement\_Mark\U2579AB\_PM\_PMP24.dgn

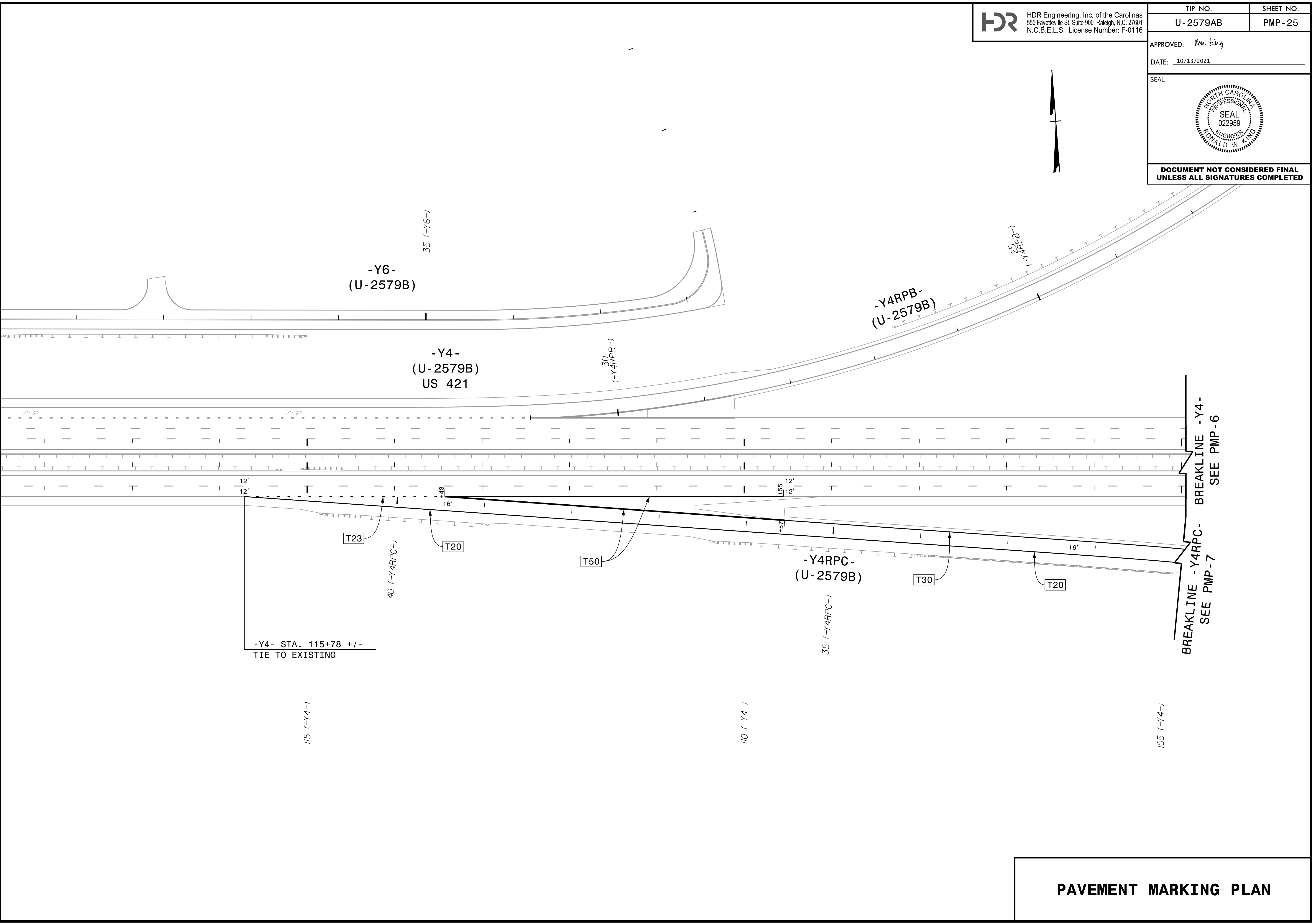
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DATE: 6/2/2021  
TIME: 4:23:51 PM

**PAVEMENT MARKING PLAN**



**DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED**

PLOT DRIVER: NCDOT\_pmf\_color\_eng\_50.pht  
 USER: CHARNDEN  
 DATE: 6/2/2021  
 TIME: 4:24:11 PM  
 FILE: p:\p\h\h\users\charnd\US\_East\_01\Documents\NCDOT\2015\NCDOT\_TMSD.Limited.Services.Contract.M.7000016704\NCDOT\_U2579AB.Sign.and.Mark.v6.0.CAD.BIM.v6.2.WIP\Pavement Marking\U2579AB.PM.PMP25



**PAVEMENT MARKING PLAN**



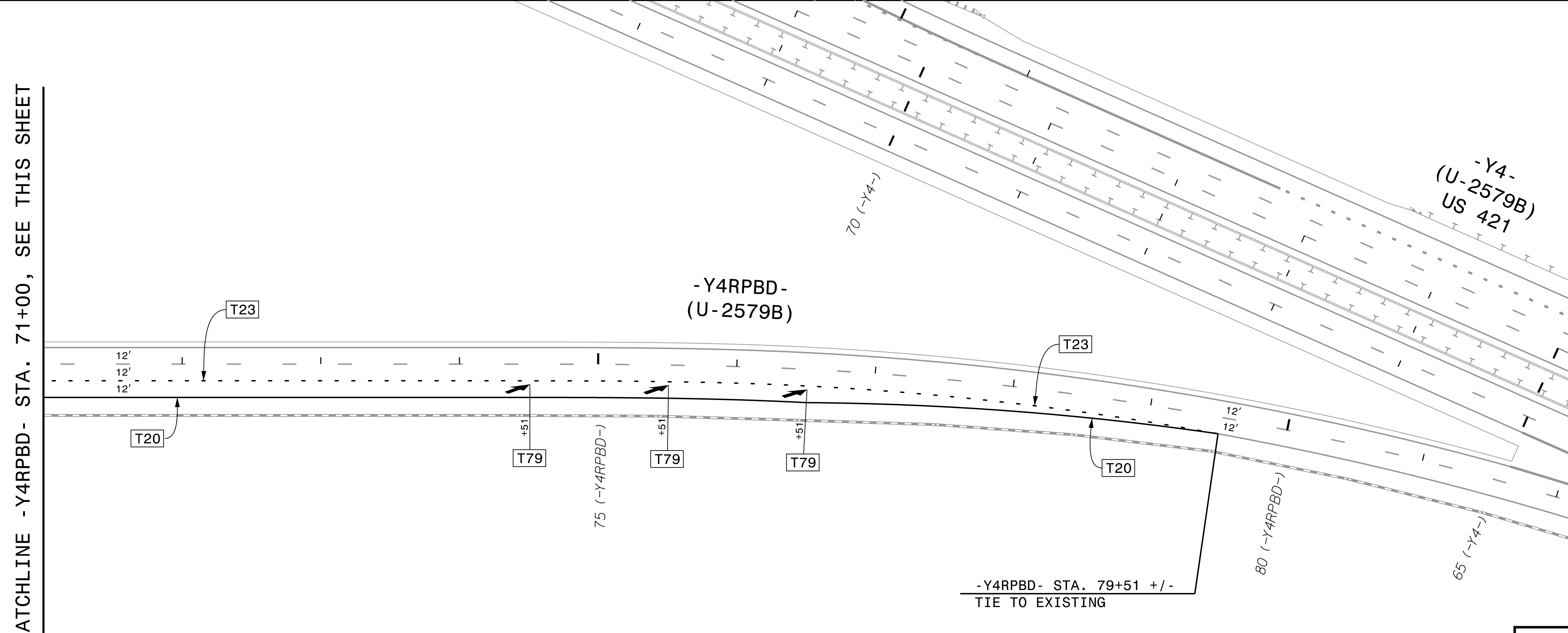
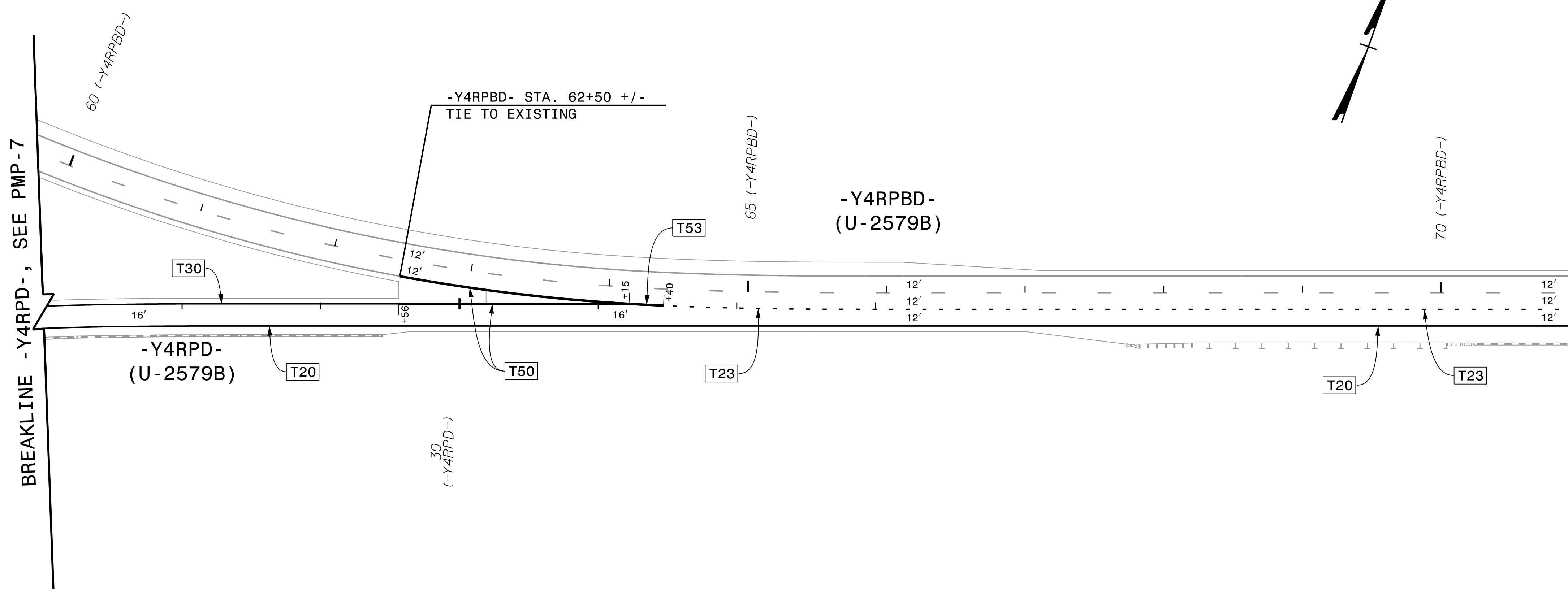


**DOCUMENT NOT CONSIDERED FINAL  
 UNLESS ALL SIGNATURES COMPLETED**

BREAKLINE -Y4RPD-, SEE PMP-7

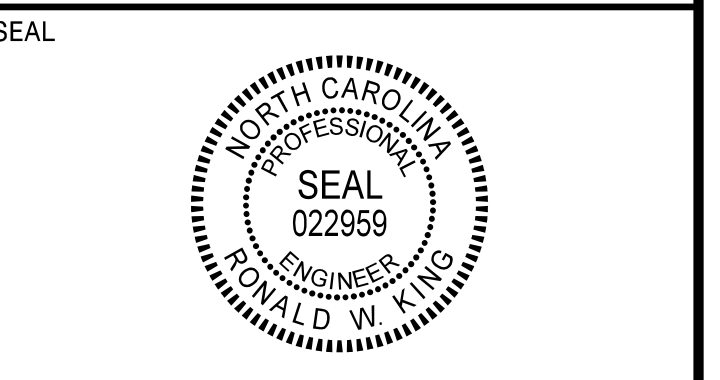
MATCHLINE -Y4RPBD- STA. 71+00, SEE THIS SHEET

MATCHLINE -Y4RPBD- STA. 71+00, SEE THIS SHEET



PLOT DRIVER: NCDOT...pdf\_color\_eng\_50.ppt  
 USER: CHARNDEN  
 DATE: 6/2/2021  
 TIME: 4:24:34 PM  
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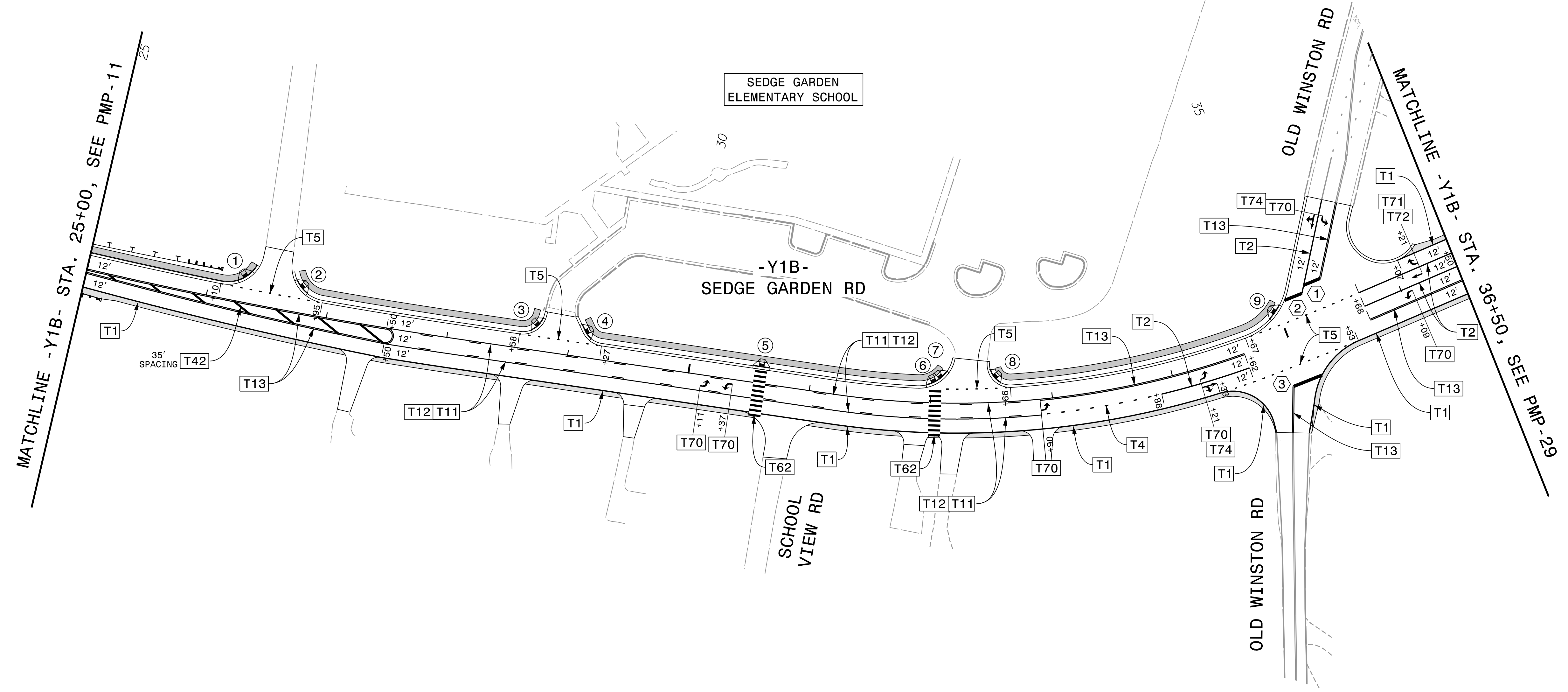
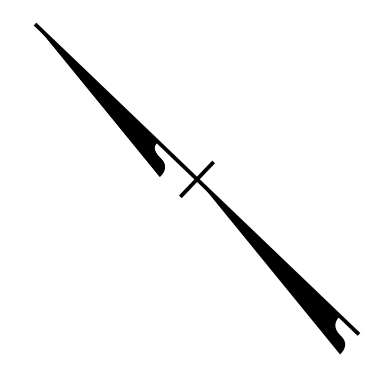
**PAVEMENT MARKING PLAN**



**DOCUMENT NOT CONSIDERED FINAL  
 UNLESS ALL SIGNATURES COMPLETED**

CURB RAMP LOCATIONS (CENTER OF RAMP AT FACE OF CURB)	
①	-Y1B- STA. 26+29.06, 21.47' LT
②	-Y1B- STA. 26+75.32, 21.47' LT
③	-Y1B- STA. 28+72.84, 21.20' LT
④	-Y1B- STA. 29+11.89, 21.20' LT
⑤	-Y1B- STA. 30+58.51, 14.00' LT
⑥	-Y1B- STA. 32+03.18, 14.17' LT
⑦	-Y1B- STA. 32+15.73, 21.41' LT
⑧	-Y1B- STA. 32+51.19, 21.24' LT
⑨	-Y1B- STA. 34+97.59, 22.89' LT

T61 STOPBAR LOCATIONS	
①	-Y1B- STA. 35+42.08, 35.08' LT to -Y1B- STA. 35+27.54, 34.88' LT
②	-Y1B- STA. 35+23.78, 29.23' LT to -Y1B- STA. 35+08.32, 29.21' LT
③	-Y1B- STA. 34+89.23, 39.00' RT to -Y1B- STA. 35+14.39, 38.98' RT



PLOT DRIVER: NCDOT\_pmf\_color\_eng\_50.pht  
 USER: CHARNDEN  
 FILE: p:\p\h\dr\users\01\h\dr\us\_east\_01\Documents\NCDOT\2015\NCDOT\_TMSD\_Limited\_Services\_Contract\_M\_7000016704\NCDOT\_U2579AB\_Sign\_and\_Mark\_v6.0\_CAD\_BIM\6.2\_WIP\Pavement\Marking\U2579AB\_PM\_PMP27.dgn

PENTABLE: NCDOT\_PMP.tbl  
 TIME: 4:24:55 PM

DATE: 6/2/2021

**PAVEMENT MARKING PLAN**



APPROVED: *Ron King*

DATE: 10/13/2021

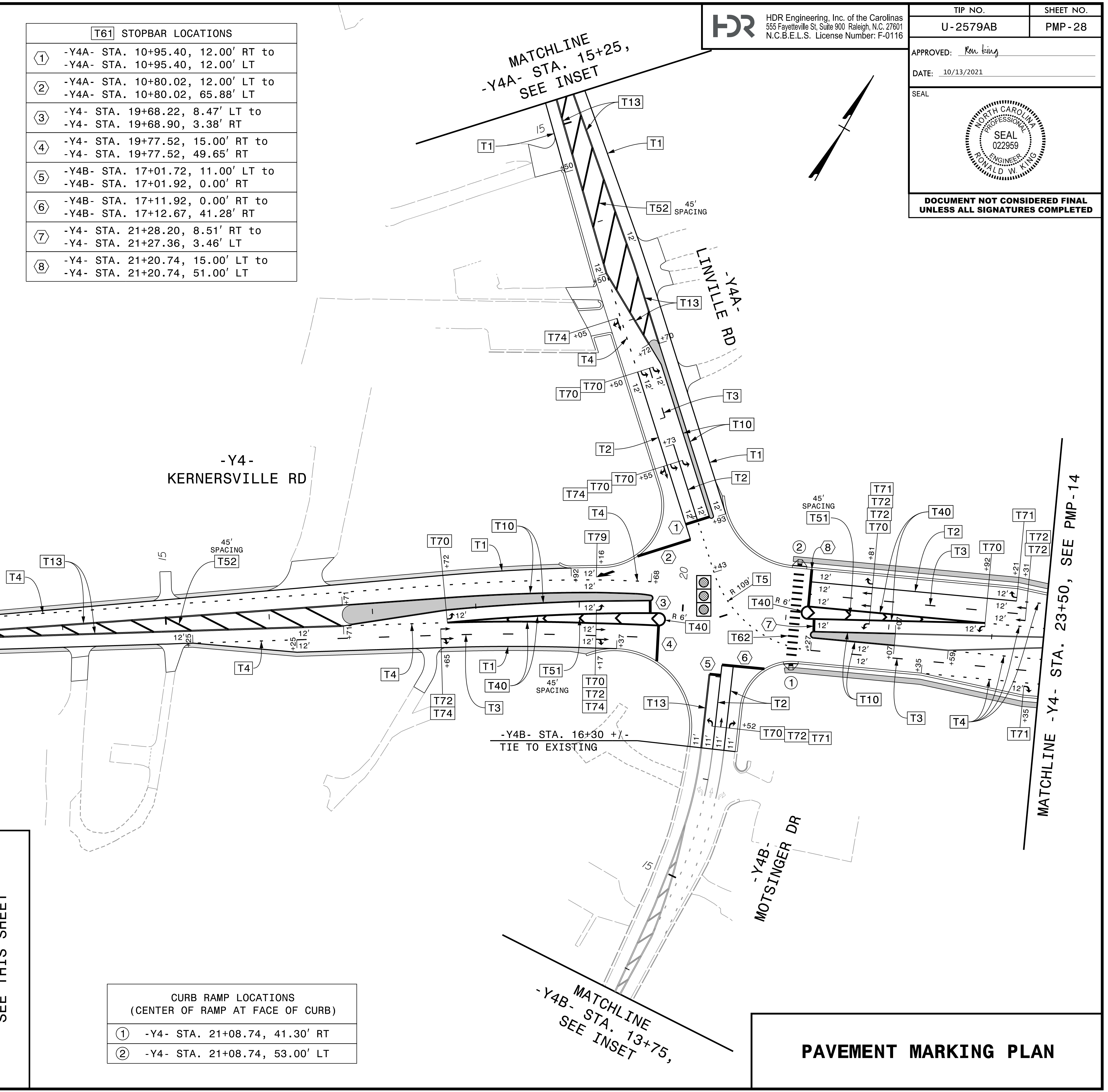
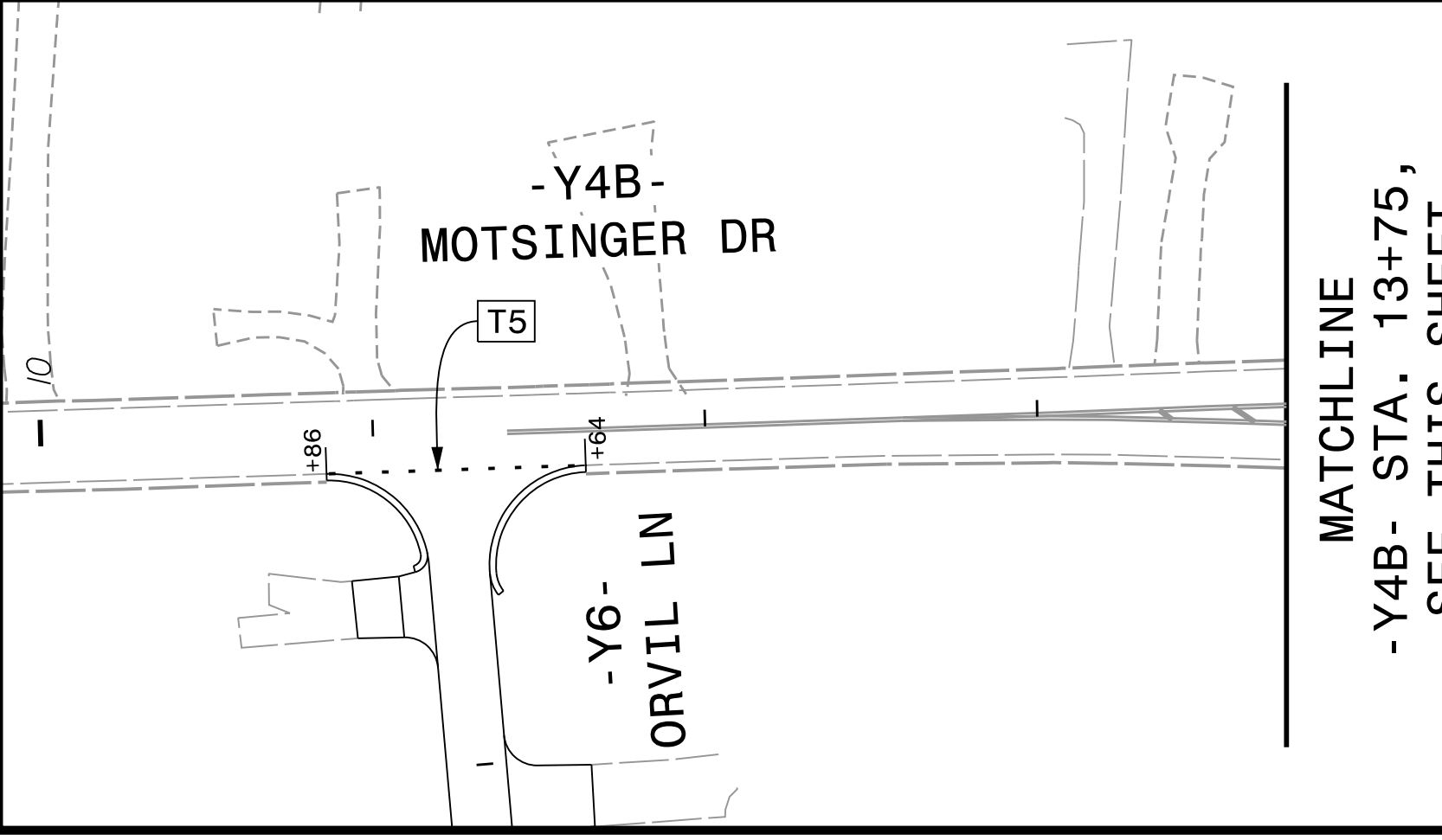
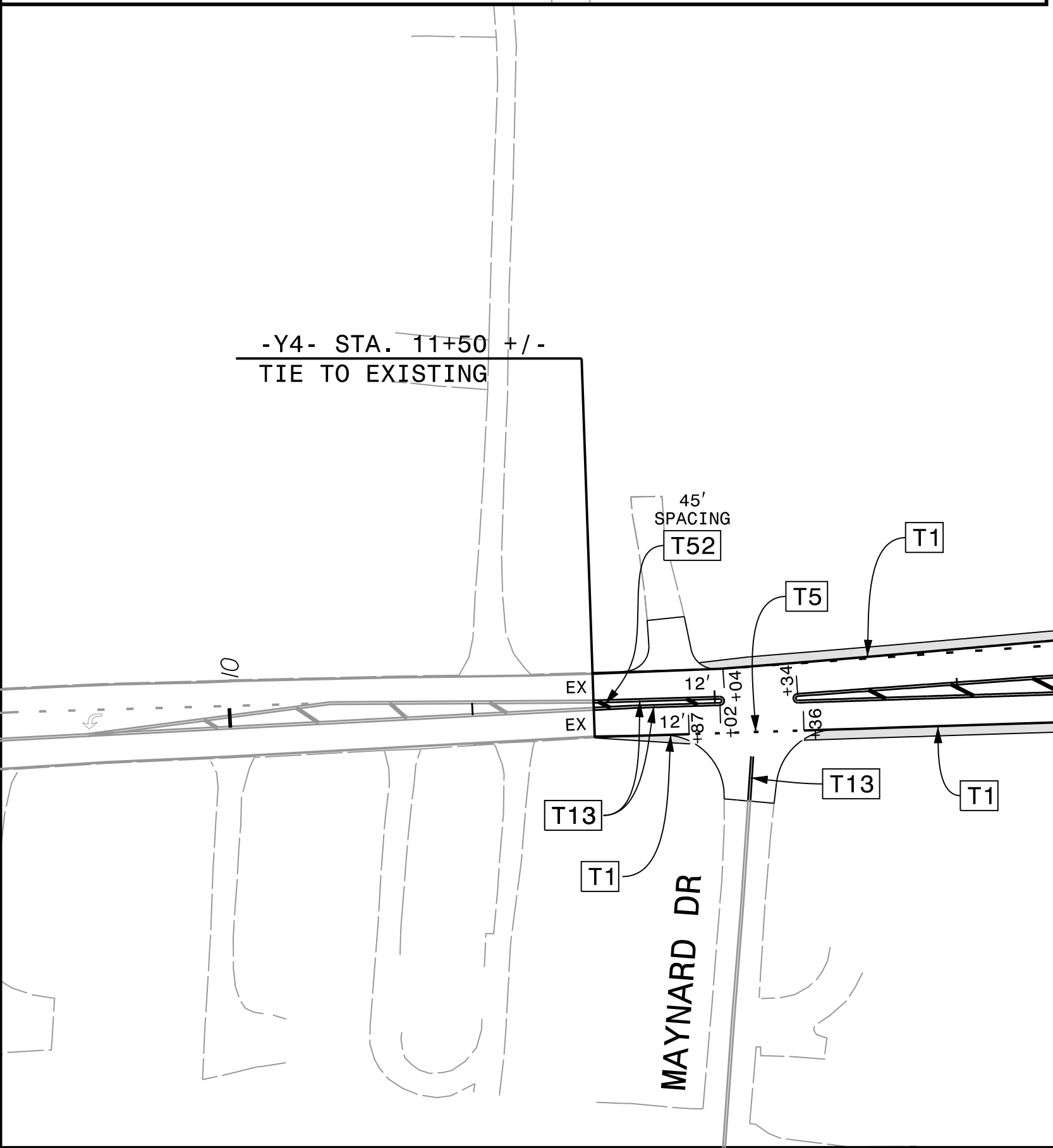
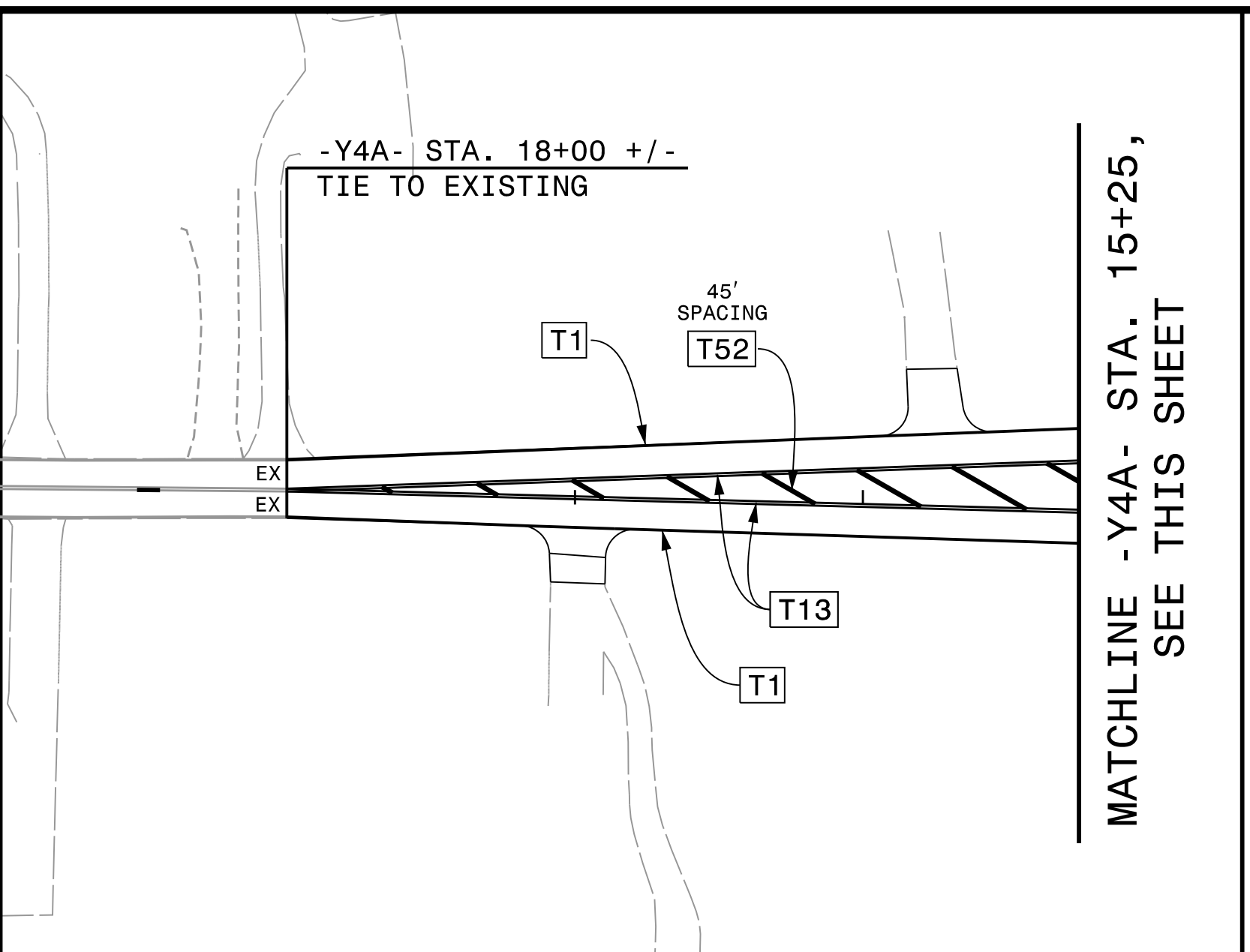


**DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED**

T61 STOPBAR LOCATIONS	
①	-Y4A- STA. 10+95.40, 12.00' RT to -Y4A- STA. 10+95.40, 12.00' LT
②	-Y4A- STA. 10+80.02, 12.00' LT to -Y4A- STA. 10+80.02, 65.88' LT
③	-Y4- STA. 19+68.22, 8.47' LT to -Y4- STA. 19+68.90, 3.38' RT
④	-Y4- STA. 19+77.52, 15.00' RT to -Y4- STA. 19+77.52, 49.65' RT
⑤	-Y4B- STA. 17+01.72, 11.00' LT to -Y4B- STA. 17+01.92, 0.00' RT
⑥	-Y4B- STA. 17+11.92, 0.00' RT to -Y4B- STA. 17+12.67, 41.28' RT
⑦	-Y4- STA. 21+28.20, 8.51' RT to -Y4- STA. 21+27.36, 3.46' LT
⑧	-Y4- STA. 21+20.74, 15.00' LT to -Y4- STA. 21+20.74, 51.00' LT

CURB RAMP LOCATIONS (CENTER OF RAMP AT FACE OF CURB)	
①	-Y4- STA. 21+08.74, 41.30' RT
②	-Y4- STA. 21+08.74, 53.00' LT

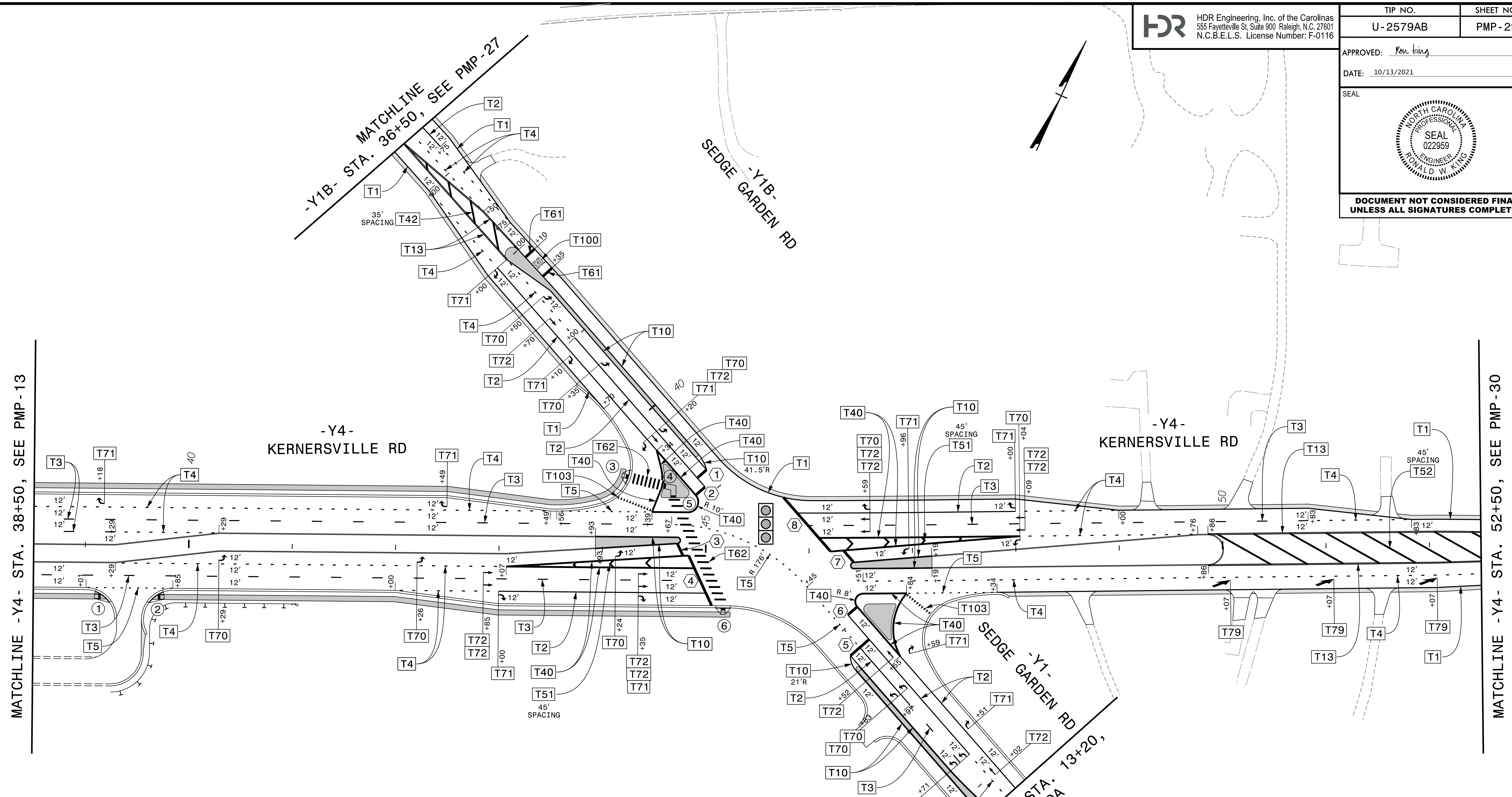
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**DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED**



MATCHLINE -Y4- STA. 38+50, SEE PMP-13

MATCHLINE -Y4- STA. 52+50, SEE PMP-30

T61 STOPBAR LOCATIONS	
①	-Y1B- STA. 40+79.99, 4.00' LT to -Y1B- STA. 40+79.99, 8.00' RT
②	-Y1B- STA. 40+91.55, 8.00' RT to -Y1B- STA. 40+91.55, 20.00' RT
③	-Y4- STA. 44+72.59, 8.51' LT to -Y4- STA. 44+78.08, 3.14' RT
④	-Y4- STA. 44+83.48, 2.77' RT to -Y4- STA. 45+06.21, 51.00' RT
⑤	-Y1- STA. 11+23.20, 9.25' RT to -Y1- STA. 11+23.20, 14.75' LT
⑥	-Y1- STA. 10+91.90, 14.75' LT to -Y1- STA. 10+91.90, 26.75' LT
⑦	-Y4- STA. 46+42.99, 8.51' RT to -Y4- STA. 46+33.23, 2.77' LT
⑧	-Y4- STA. 46+09.39, 15.00' LT to -Y4- STA. 45+75.02, 54.13' LT

CURB RAMP LOCATIONS (CENTER OF RAMP OR PATH AT FACE OF CURB OR ISLAND)	
①	-Y4- STA. 39+18.82, 47.50' RT
②	-Y4- STA. 39+66.94, 47.50' RT
③	-Y1B- STA. 40+44.42, 51.50' RT
④	-Y1B- STA. 40+64.34, 37.48' RT *
⑤	-Y4- STA. 44+68.25, 53.00' LT *
⑥	-Y4- STA. 45+17.27, 53.00' RT

\* ALTERNATE CURB RAMP DESIGN  
TRIANGULAR ISLAND WITH CUT THROUGH

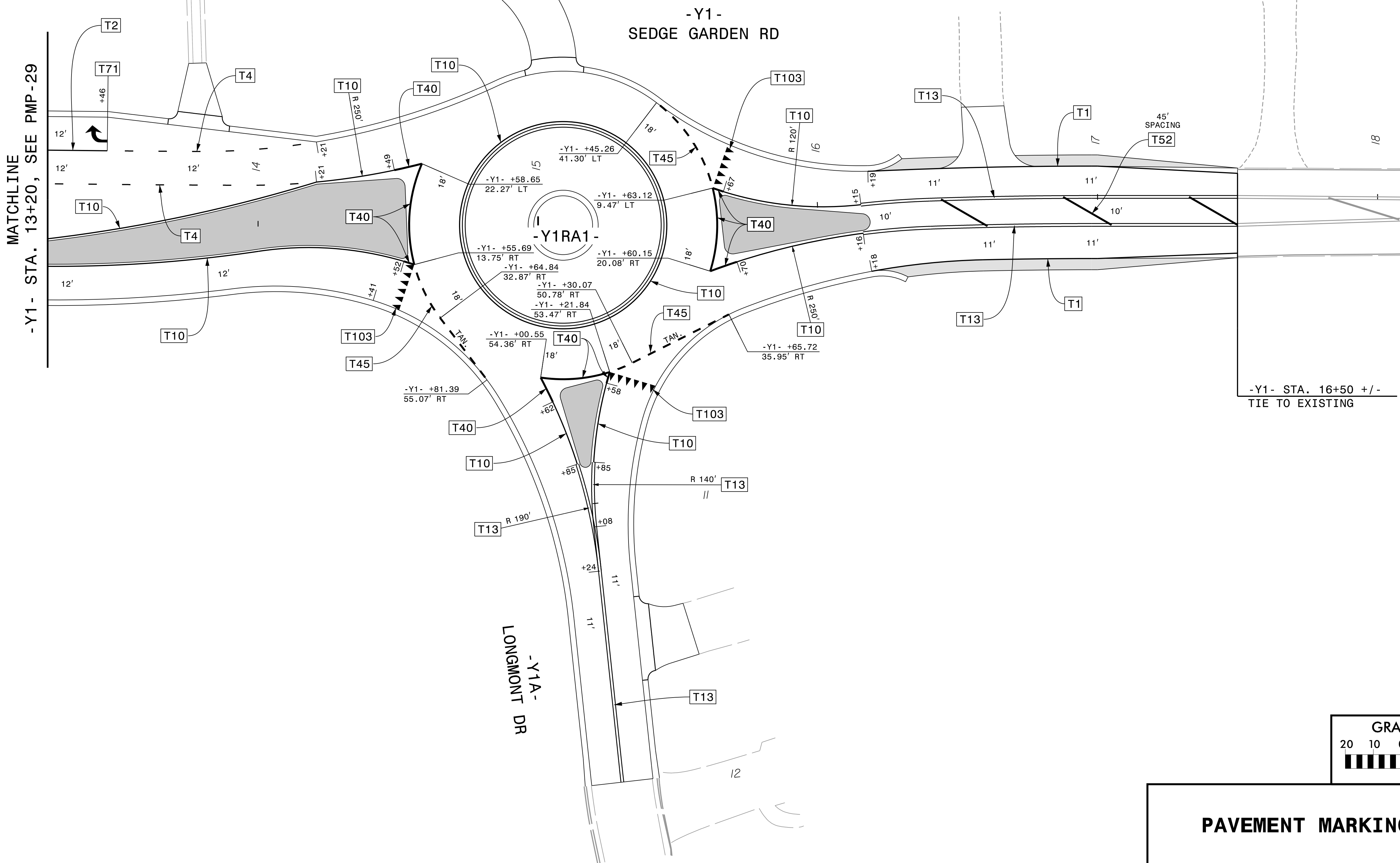
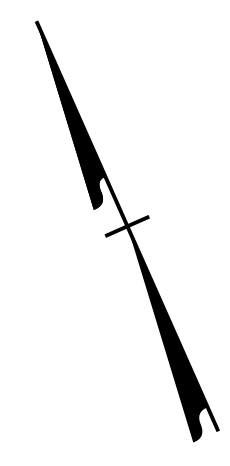
**PAVEMENT MARKING PLAN**

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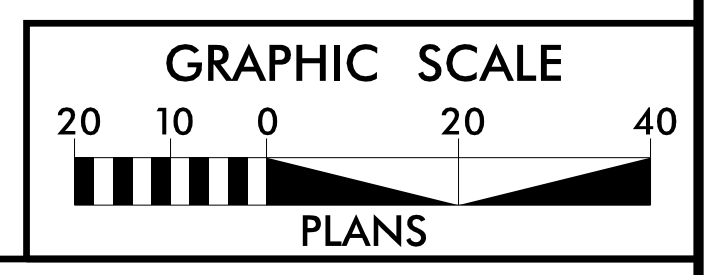


**DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED**



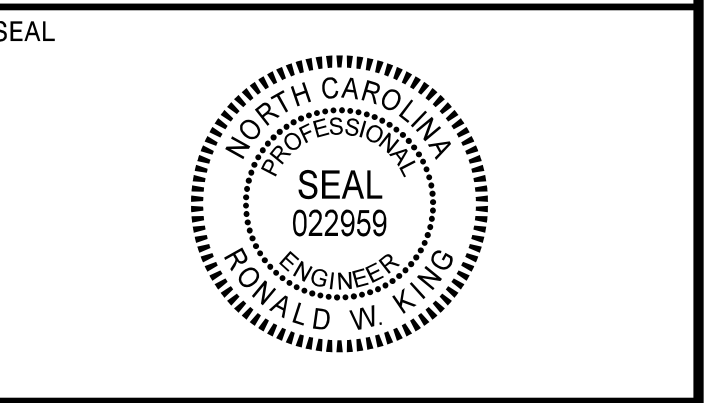
MATCHLINE  
-Y1- STA. 13+20, SEE PMP-29

-Y1- STA. 16+50 +/-  
TIE TO EXISTING

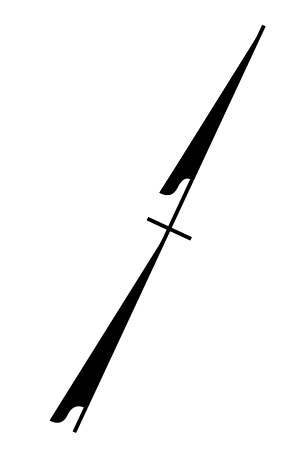


**PAVEMENT MARKING PLAN**

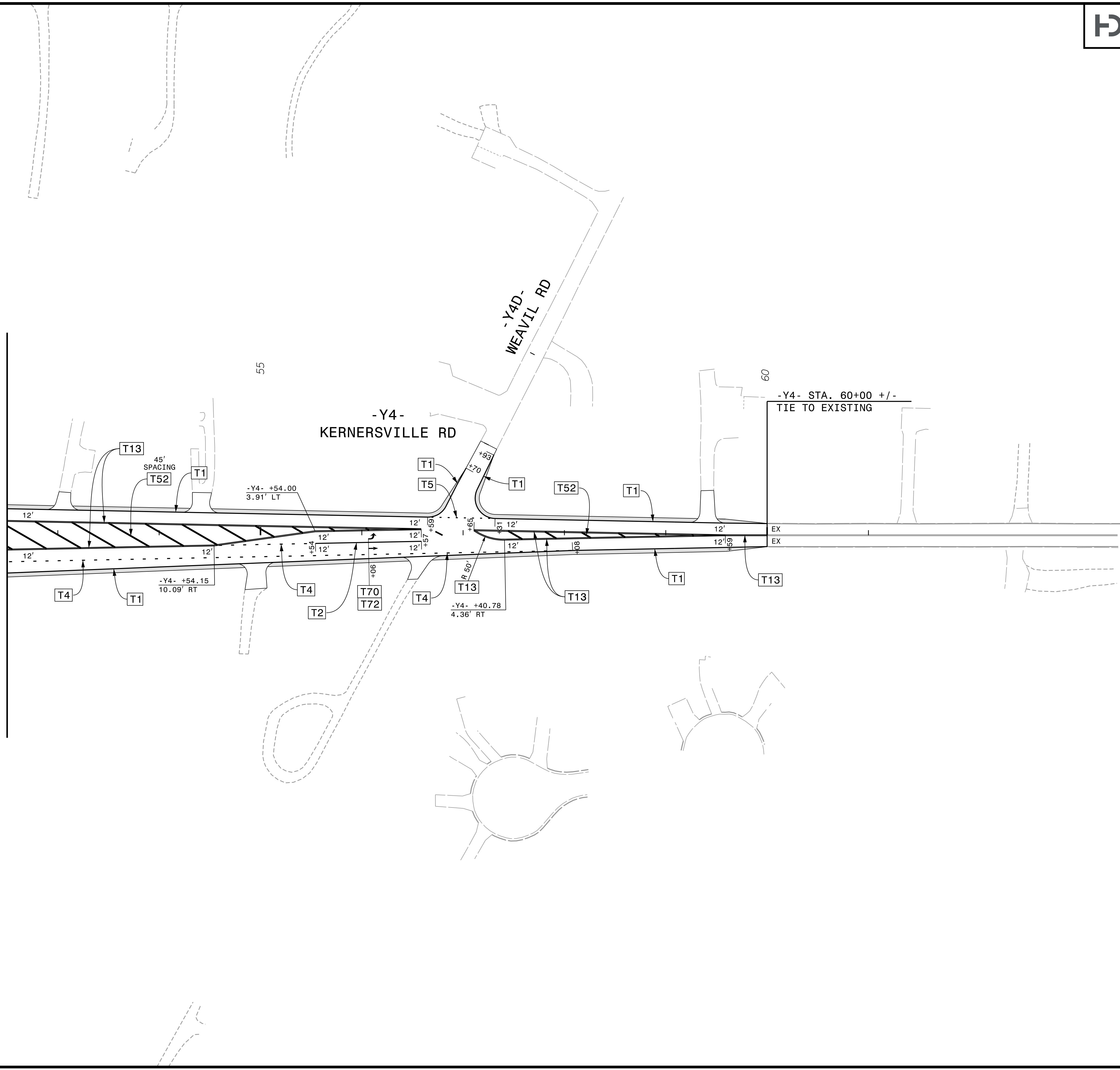
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**DOCUMENT NOT CONSIDERED FINAL  
 UNLESS ALL SIGNATURES COMPLETED**



MATCHLINE -Y4- STA. 52+50, SEE PMP-29



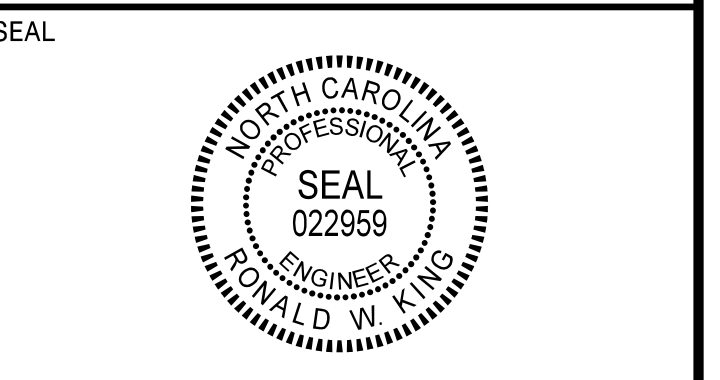
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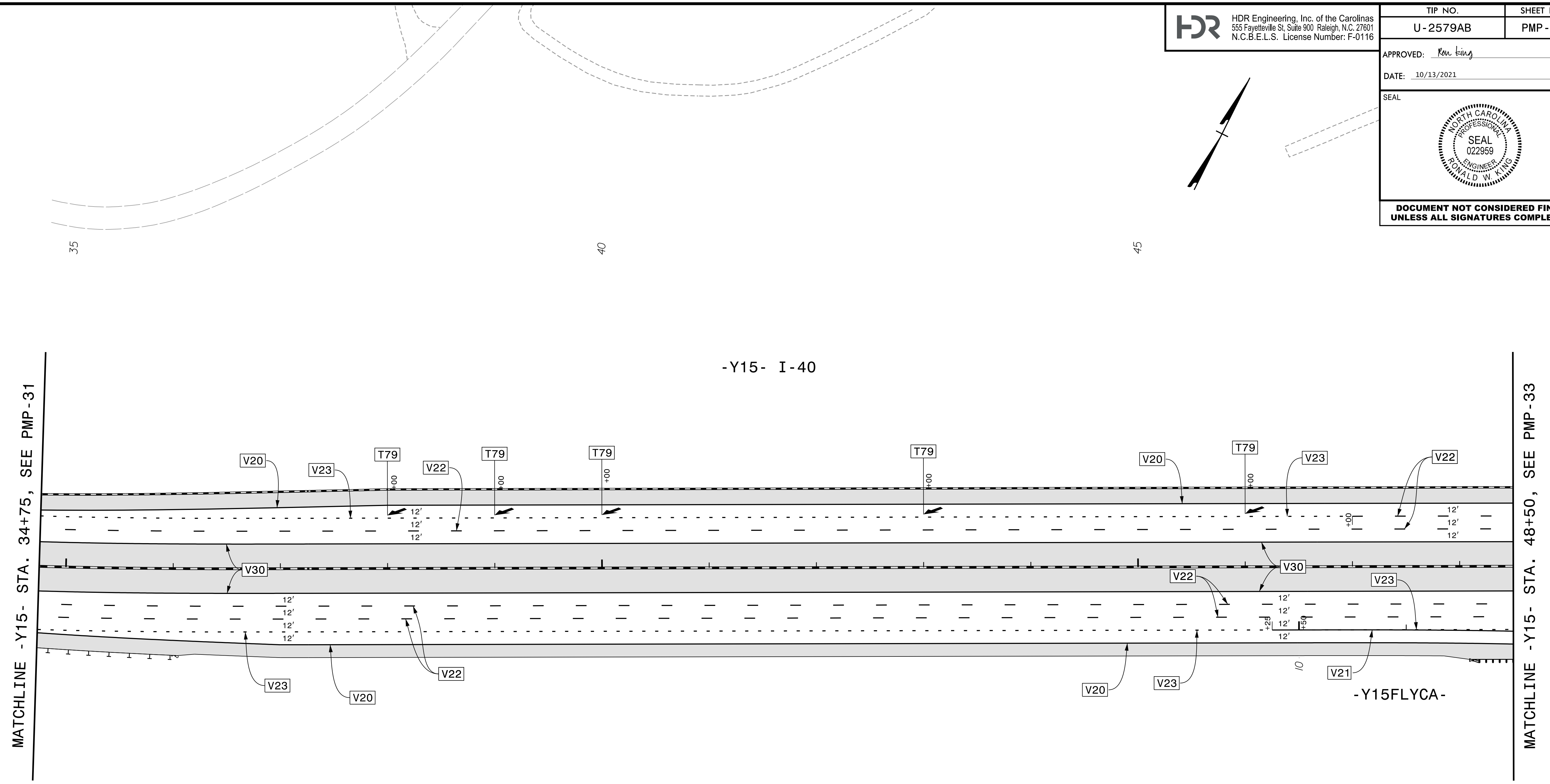






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UNLESS ALL SIGNATURES COMPLETED**

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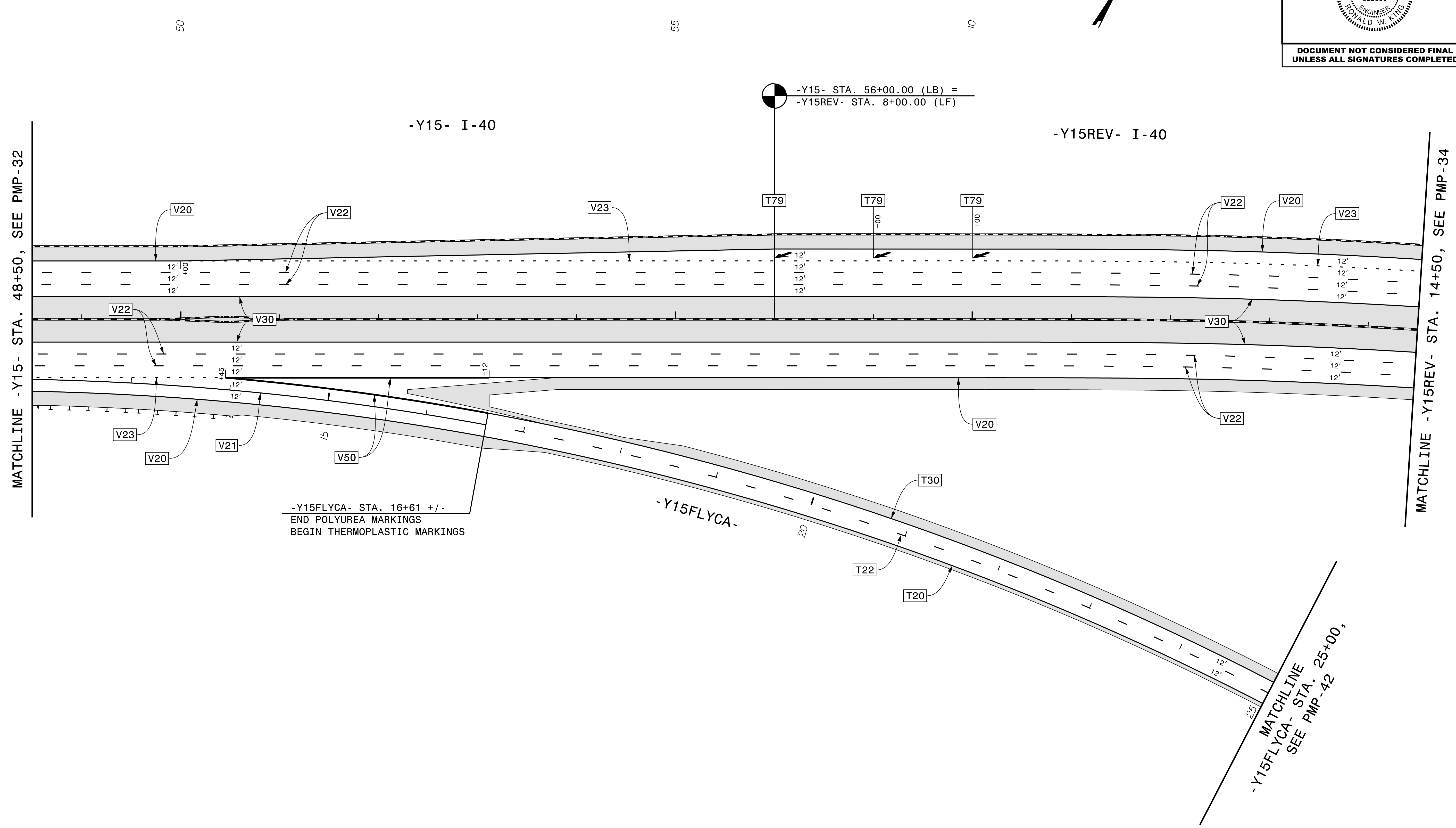
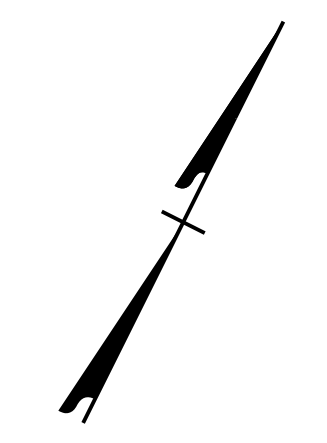


**PAVEMENT MARKING PLAN**



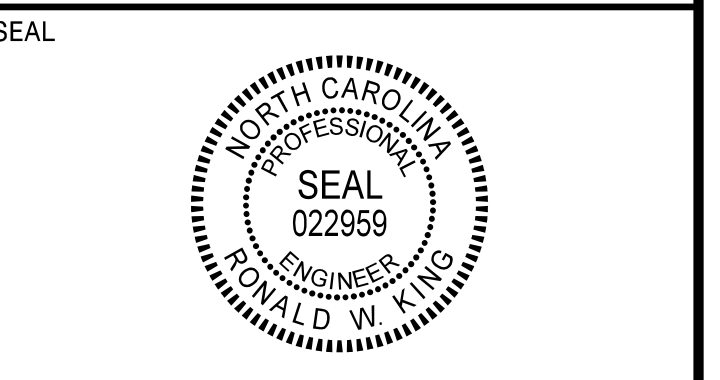


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UNLESS ALL SIGNATURES COMPLETED**



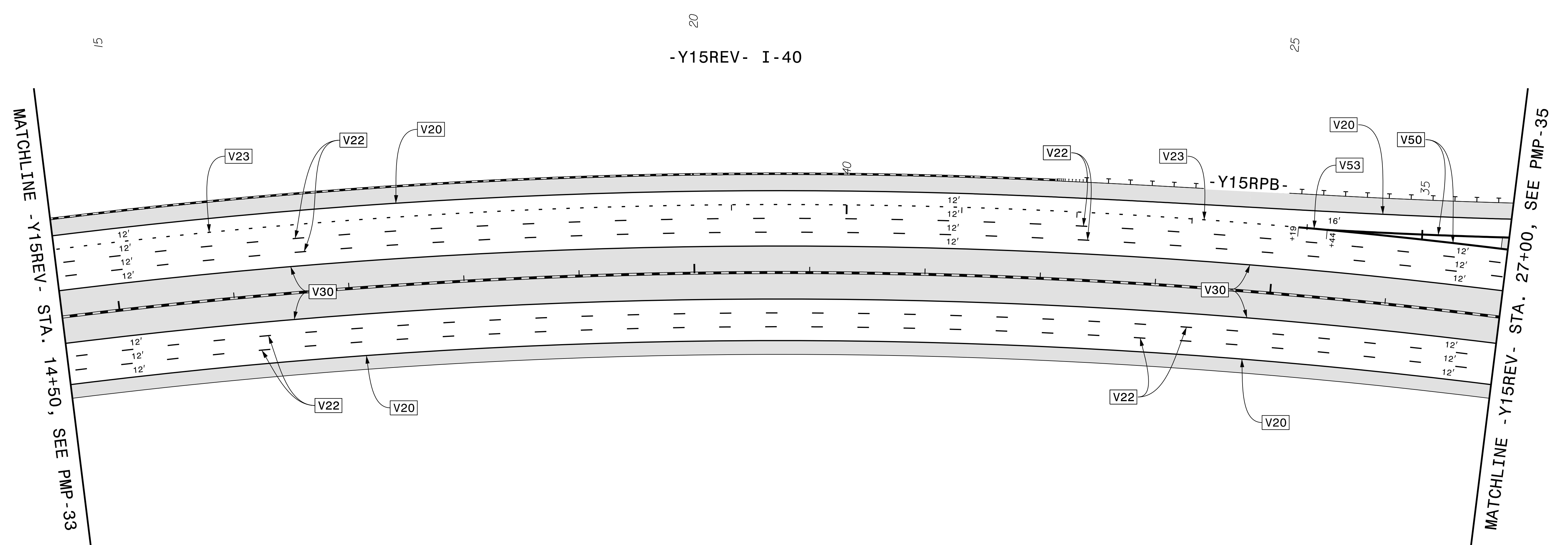
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**PAVEMENT MARKING PLAN**



**DOCUMENT NOT CONSIDERED FINAL  
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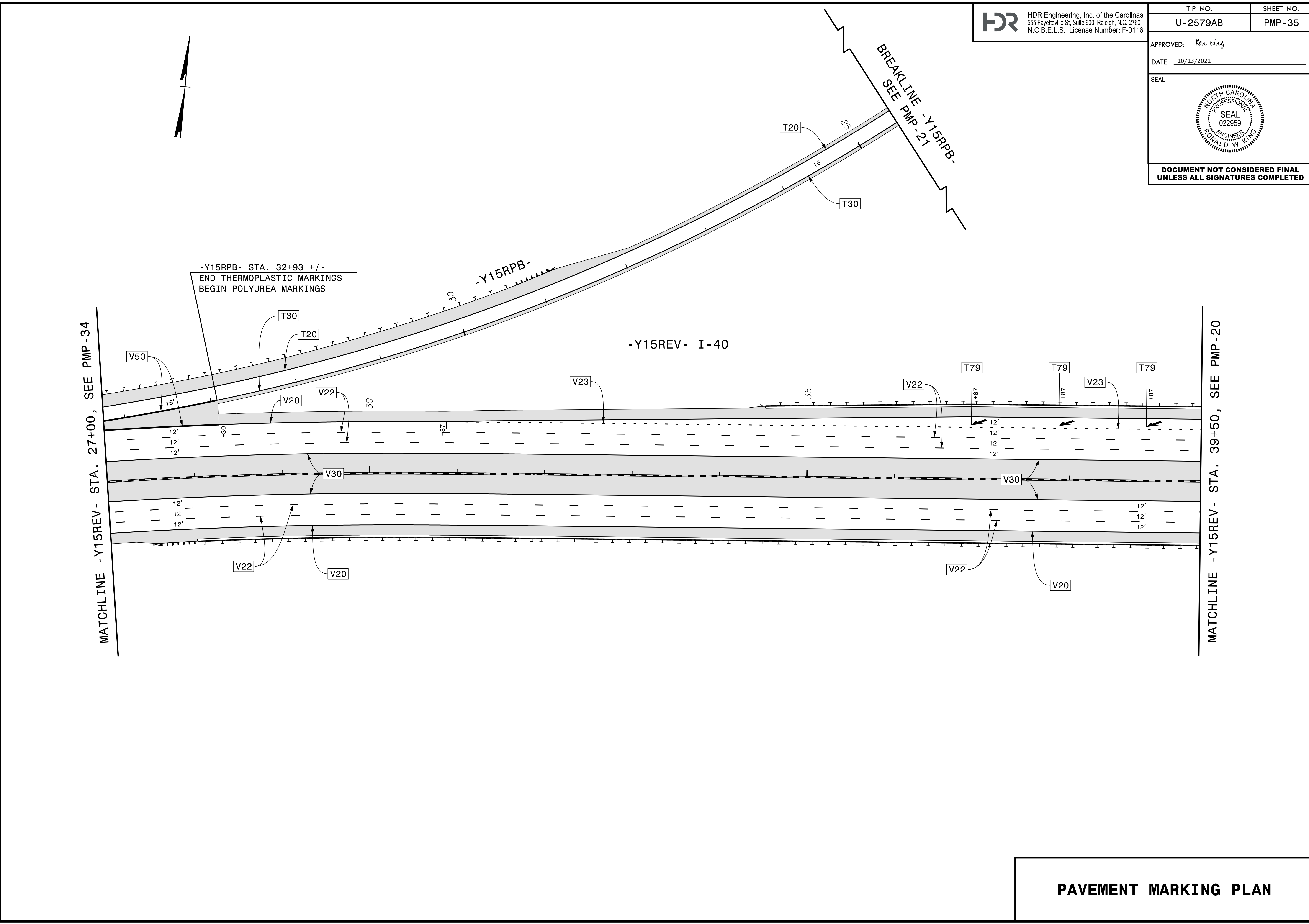
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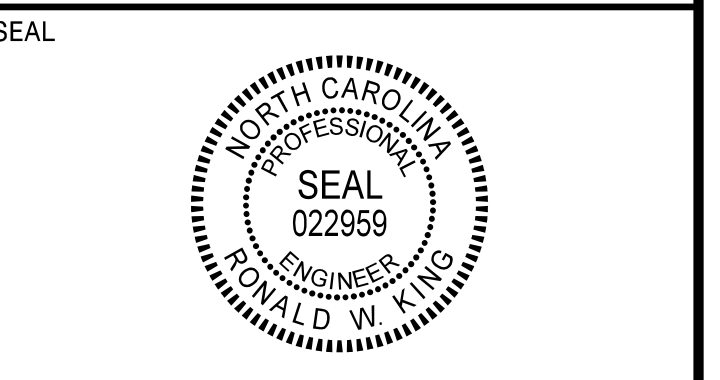


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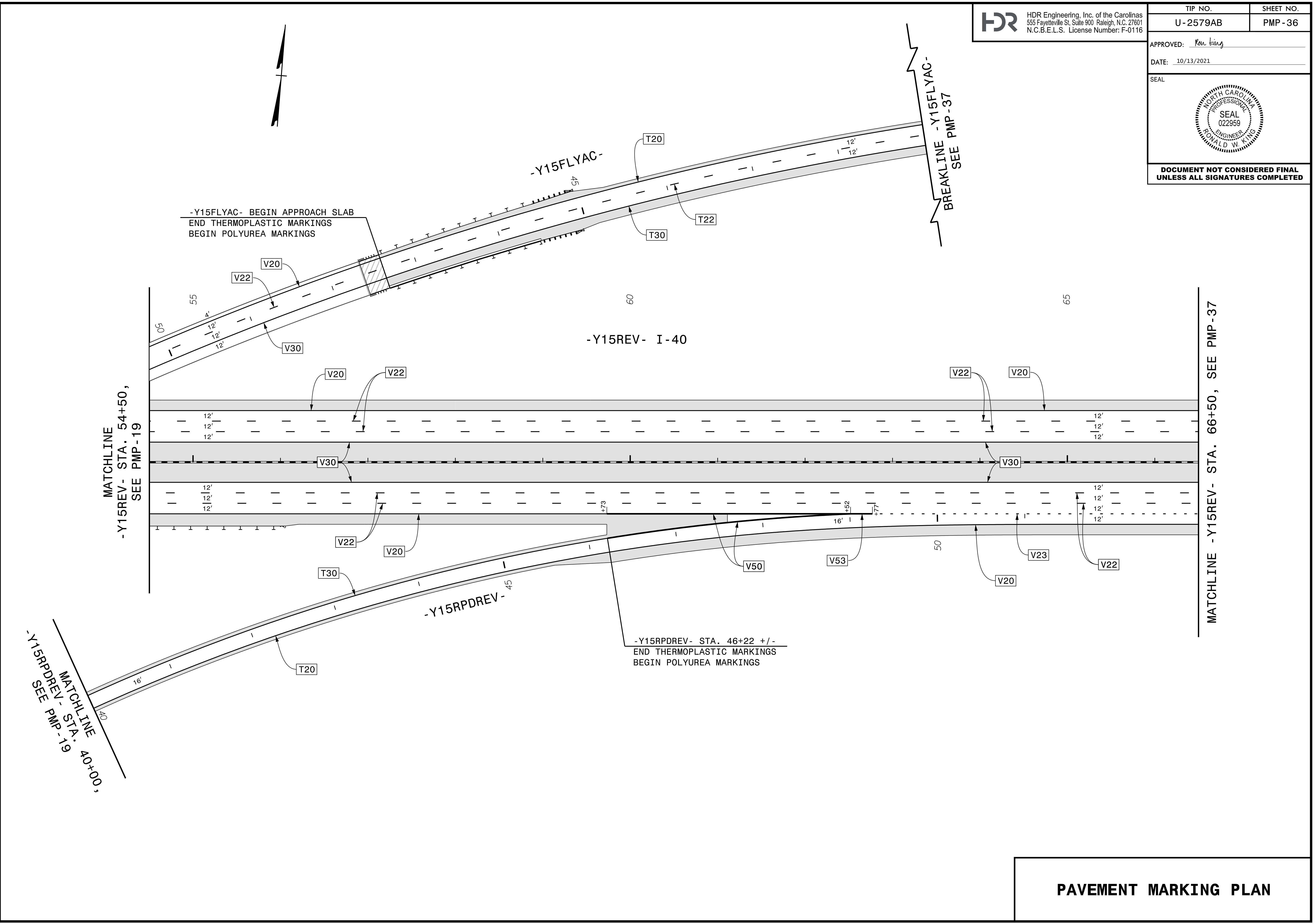


**PAVEMENT MARKING PLAN**



**DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED**

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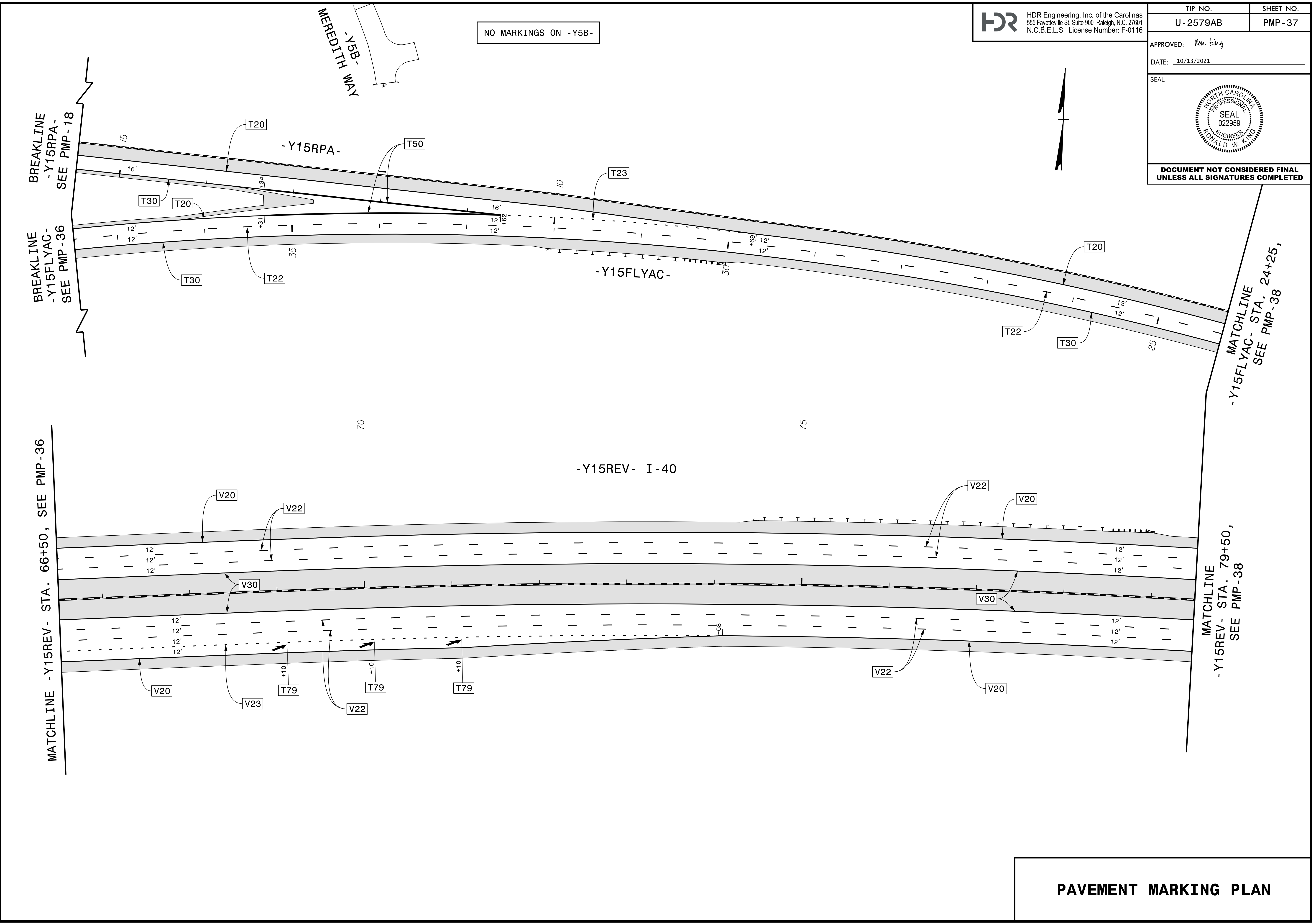
# PAVEMENT MARKING PLAN



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**HDR** HDR Engineering, Inc. of the Carolinas  
555 Fayetteville St. Suite 900 Raleigh, N.C. 27601  
N.C.B.E.L.S. License Number: F-0116

TIP NO. U-2579AB	SHEET NO. PMP-37
APPROVED: <i>Ron King</i>	
DATE: 10/13/2021	
SEAL	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



# PAVEMENT MARKING PLAN





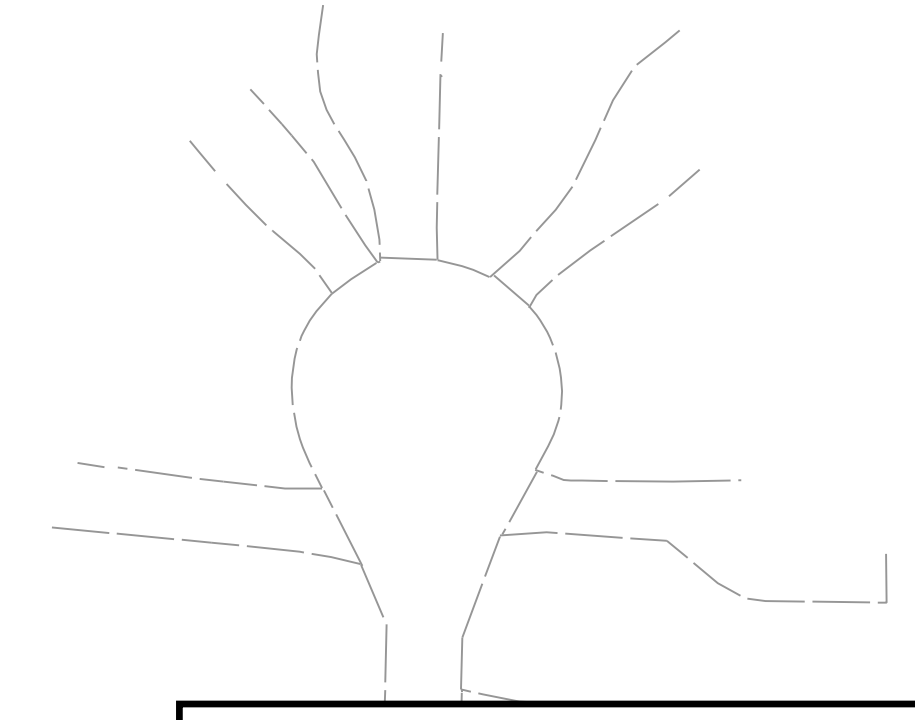
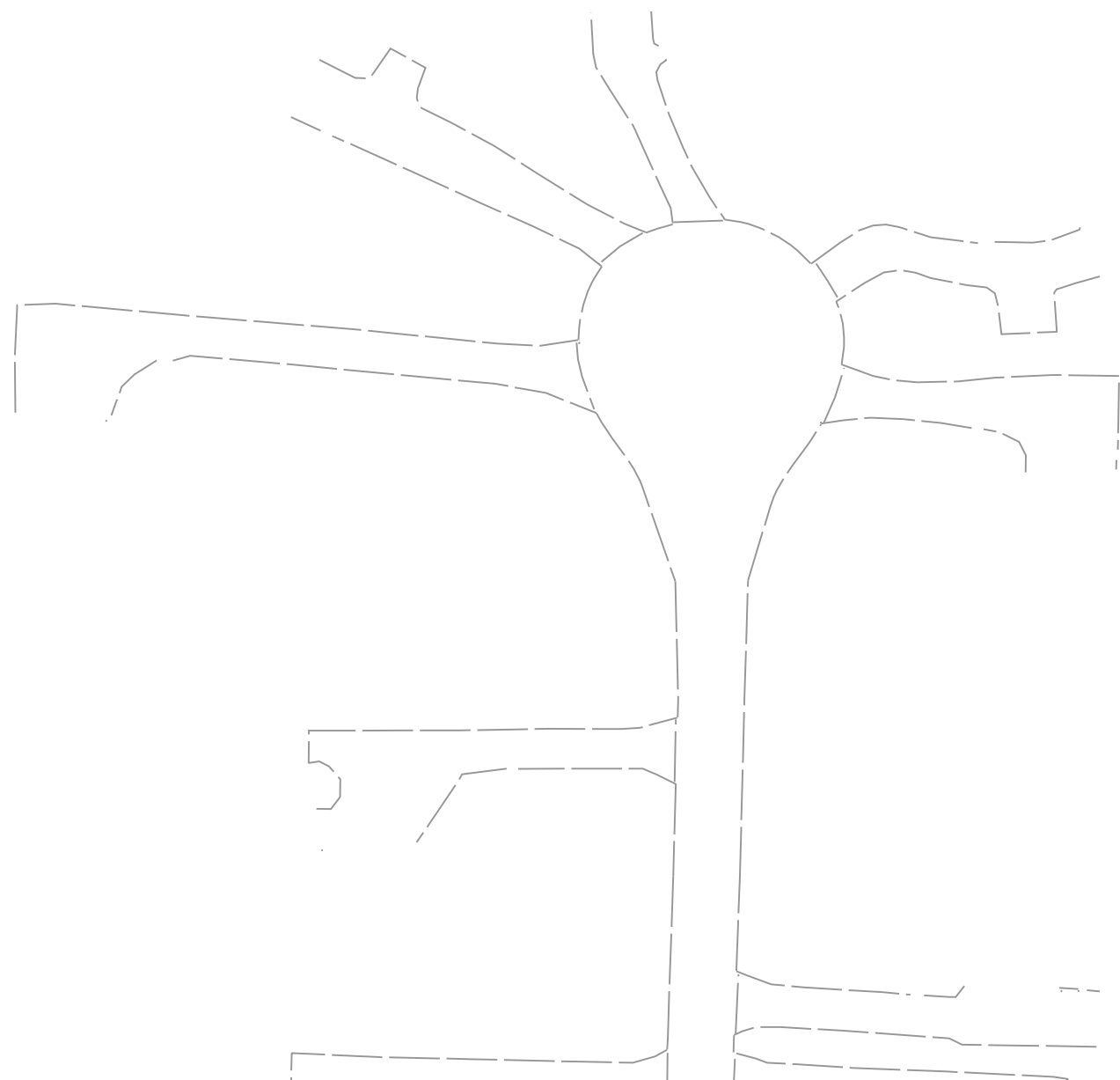
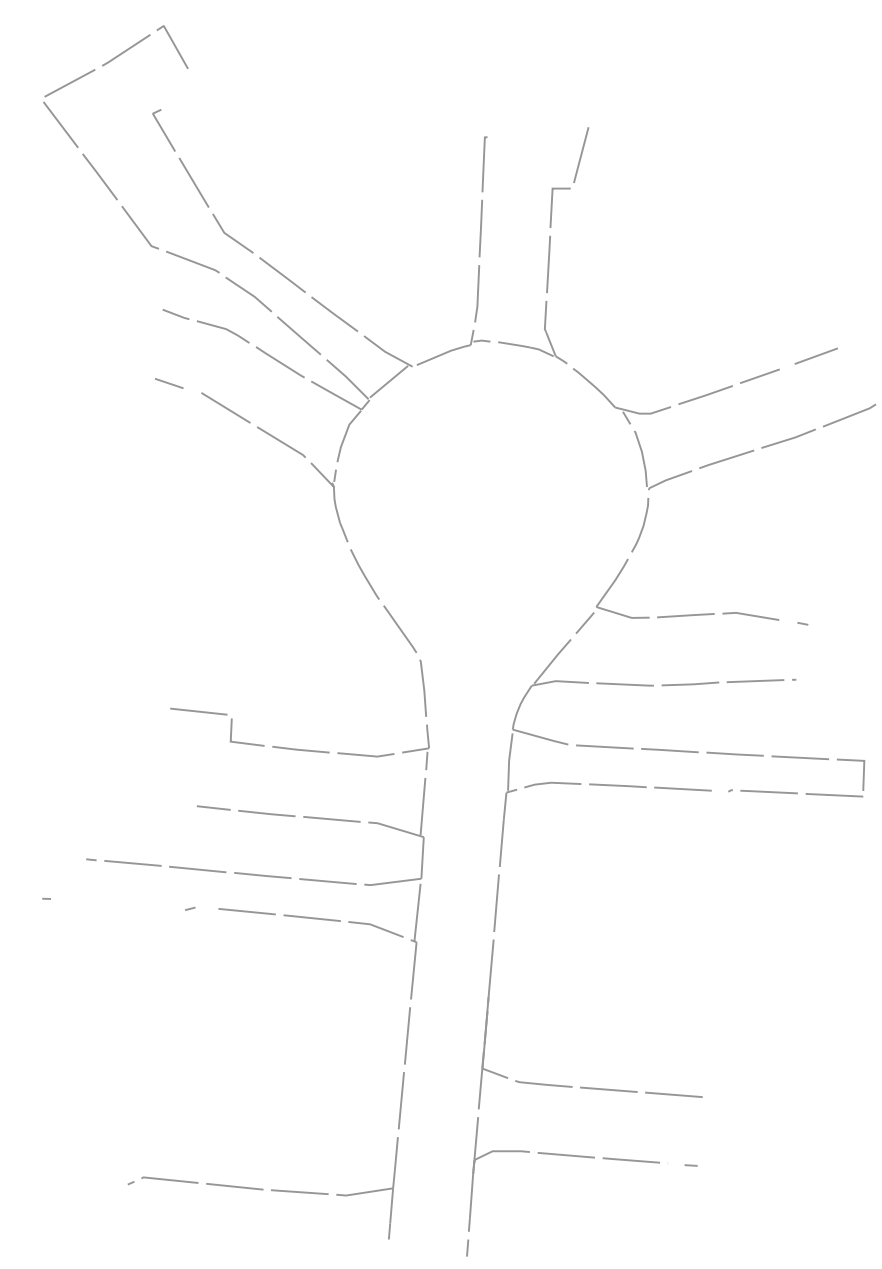
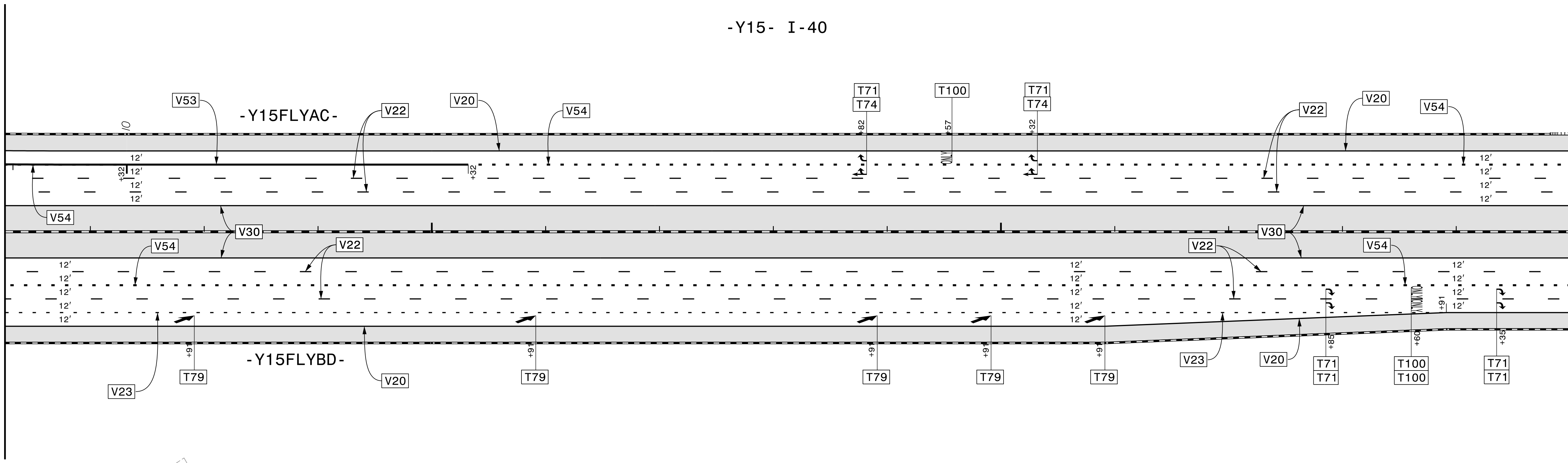


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MATCHLINE -Y15- STA. 141+25, SEE PMP-38

MATCHLINE -Y15- STA. 155+00, SEE PMP-40



**PAVEMENT MARKING PLAN**

145

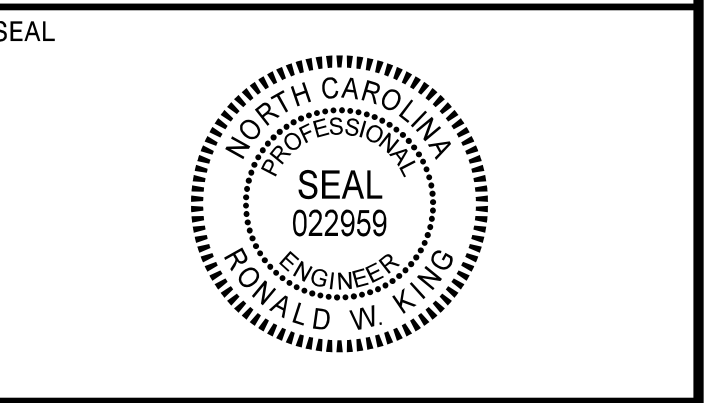
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155

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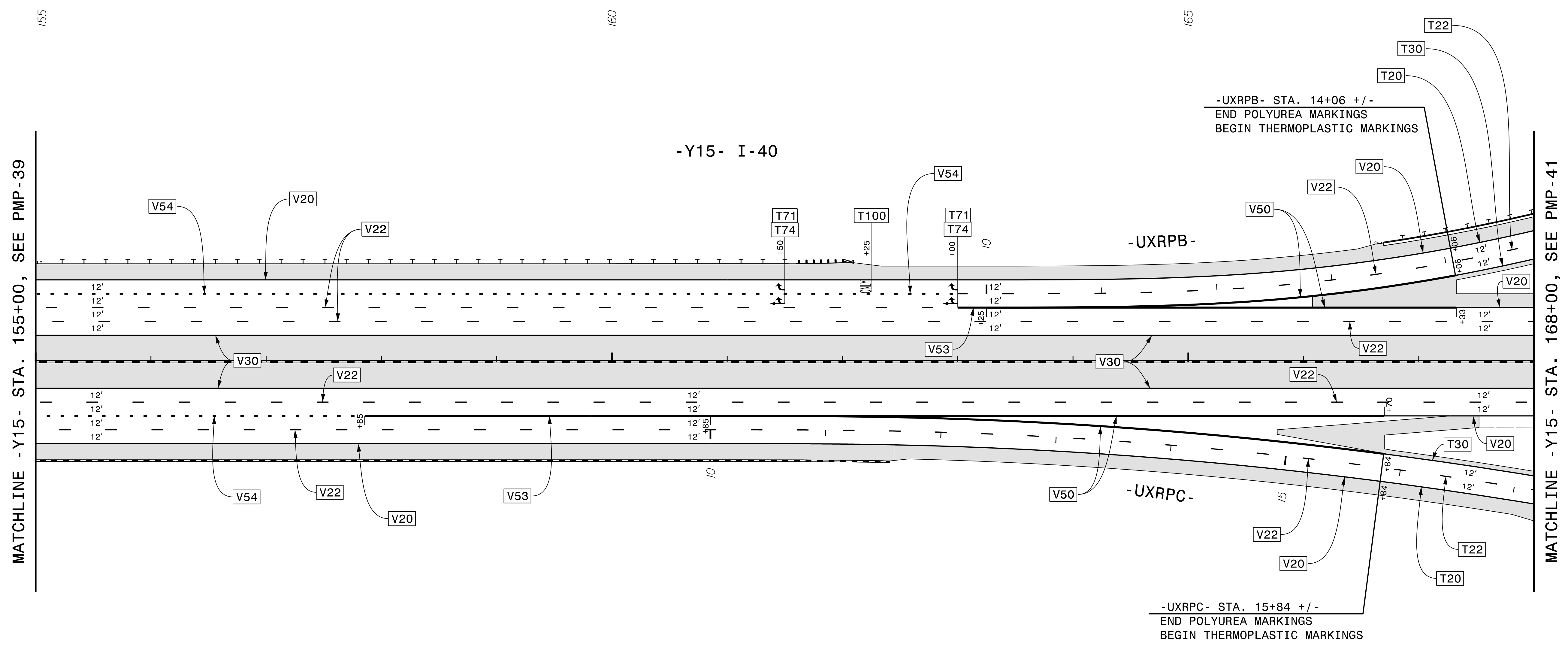
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-Y15FLYBD-



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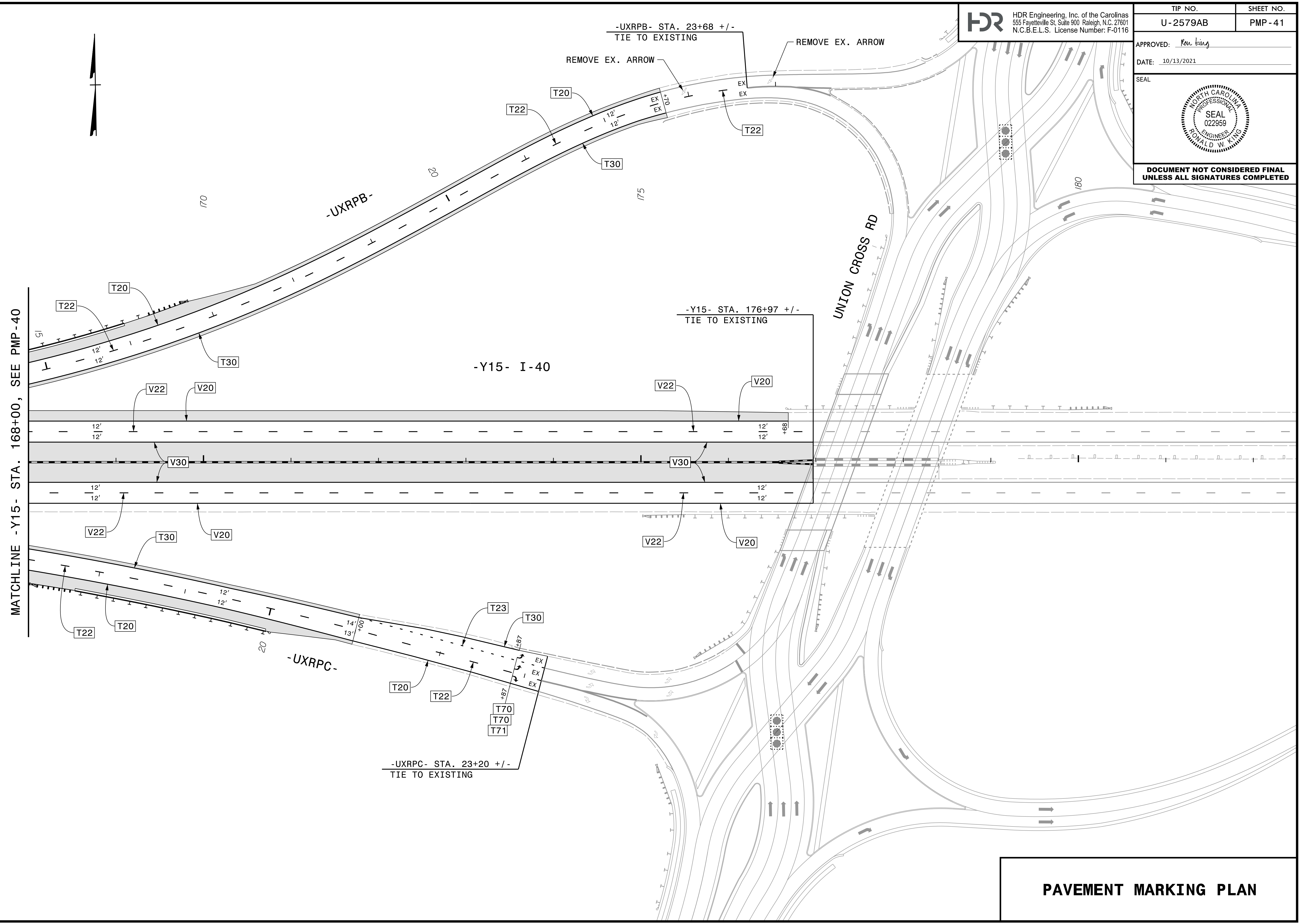
**PAVEMENT MARKING PLAN**





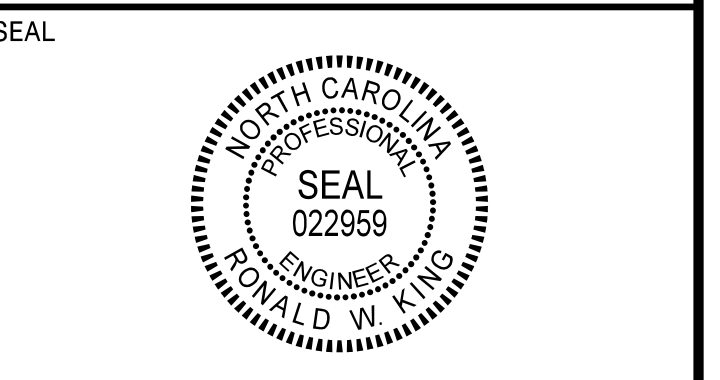
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UNLESS ALL SIGNATURES COMPLETED**

MATCHLINE -Y15- STA. 168+00, SEE PMP-40



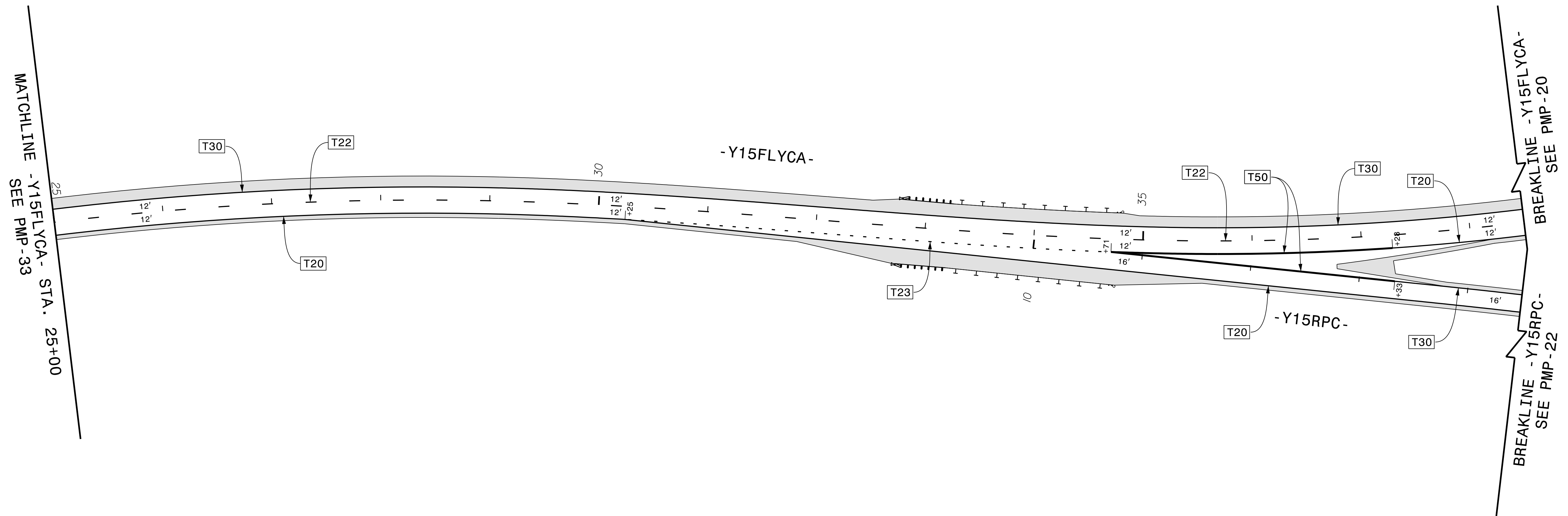
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**PAVEMENT MARKING PLAN**



**DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED**

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**PAVEMENT MARKING PLAN**