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T.I.P.: I-5700

CONTRACT: C204351

**STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLAN
 WAKE COUNTY**

**LOCATION: I-40 AND SR 3015 (AIRPORT BLVD.), REVISE INTERCHANGE
 AND CONSTRUCT AUXILIARY LANE ON I-40 WESTBOUND
 FROM SR 3015 (AIRPORT BLVD.) TO I-540**

TIP NO. I-5700	SHEET NO. PM-1
APPROVED: <u>Michael T. Rzepka</u> <small>DocuSigned by: Michael T. Rzepka 018C348CC26049D</small>	
DATE: 9/10/2019	
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ROADWAY STANDARD DRAWING

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:

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
1205.09	PAVEMENT MARKINGS - PAINTED ISLANDS
1205.12	PAVEMENT MARKINGS - BRIDGES
1205.13	PAVEMENT MARKINGS - LANE REDUCTIONS
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
1267.01	FLEXIBLE DELINEATORS - INSTALLATION
1267.02	FLEXIBLE DELINEATORS - SPACING TABLES
1267.03	FLEXIBLE DELINEATORS - INTERCHANGE PLACEMENT

INDEX

SHEET NO.	DESCRIPTION
PM-1	PAVEMENT MARKING PLAN TITLE, GENERAL NOTES, ROADWAY STANDARD DRAWINGS, AND INDEX
PM-1A	PAVEMENT MARKING SCHEDULE
PM-2 TO PM-14	PAVEMENT MARKING DETAILS

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.

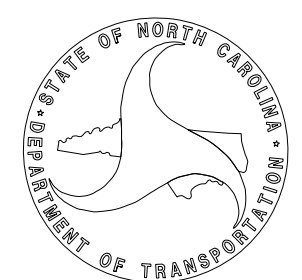
A) INSTALL PAVEMENT MARKINGS AND PAVEMENT MARKERS ON THE FINAL SURFACE AS FOLLOWS:

SURFACE	MARKING	MARKER
ASPHALT	THERMOPLASTIC	SNOWPLOWABLE/ PERMANENT RAISED
CONCRETE	COLD APPLIED PLASTIC	PERMANENT RAISED

- B) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.
- C) REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS AND MARKERS.
- D) STOP BAR LOCATION AT NON-SIGNALIZED INTERSECTIONS MAY BE ADJUSTED AS DIRECTED 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.

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

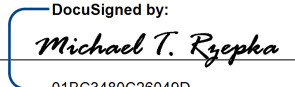

A. ALQUDWAH, P.E. SIGNING & DELINEATION REGIONAL ENGINEER
M. EATON, P.E. SIGNING & DELINEATION PROJECT DESIGN ENGINEER/TECHNICIAN



PLAN PREPARED BY: HDR

M. T. RZEPKA, P.E. PROJECT ENGINEER
C. HARNDEN DESIGN ENGINEER




TIP NO. I - 5700	SHEET NO. PM - 1A
APPROVED:  <small>DocuSigned by: Michael T. Rzepka #18C3480C26049D...</small>	
DATE: 9/10/2019	
	
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- | | |
|--|--|
| <ul style="list-style-type: none"> T2 THERMOPLASTIC 24" WHITE STOPBAR (90 MIL) T3 THERMOPLASTIC 24" WHITE CROSSWALK LINE (90 MIL) T6 THERMOPLASTIC 6" WHITE EDGELINE (90 MIL) T7 THERMOPLASTIC 6" YELLOW EDGELINE (90 MIL) T8 THERMOPLASTIC 4" 2'-6'/SP. WHITE MINI-SKIP (90 MIL) T9 THERMOPLASTIC 4" 2'-6'/SP. YELLOW MINI-SKIP (90 MIL) T13 THERMOPLASTIC 8" 3'-9'/SP. WHITE MINI-SKIP (90 MIL) T14 THERMOPLASTIC 12" 3'-9'/SP. WHITE MINI-SKIP (90 MIL) TA THERMOPLASTIC 4" WHITE EDGELINE (90 MIL) TB THERMOPLASTIC 4" YELLOW EDGELINE (90 MIL) TC THERMOPLASTIC 4" 10'-30'/SP. WHITE SKIP (90 MIL) TD THERMOPLASTIC 4" 3'-9'/SP. WHITE MINI-SKIP (90 MIL) TE THERMOPLASTIC 4" WHITE SOLID LANE LINE (90 MIL) TI THERMOPLASTIC 4" YELLOW DOUBLE CENTER (90 MIL) TJ THERMOPLASTIC 6" 10'-30'/SP. WHITE SKIP (90 MIL) TK THERMOPLASTIC 6" 3'-9'/SP. WHITE MINI-SKIP (90 MIL) TL THERMOPLASTIC 6" WHITE SOLID LANE LINE (90 MIL) TN THERMOPLASTIC 8" WHITE GORELINE (90 MIL) TP THERMOPLASTIC 8" YELLOW DIAGONAL (90 MIL) TQ THERMOPLASTIC 8" WHITE CROSSWALK LINE (90 MIL) TR THERMOPLASTIC 8" WHITE SOLID LANE LINE (90 MIL) TS THERMOPLASTIC 12" WHITE GORELINE (90 MIL) TT THERMOPLASTIC 12" WHITE SOLID LANE LINE (90 MIL) TU THERMOPLASTIC 12" WHITE DIAGONAL (90 MIL) TV THERMOPLASTIC 12" YELLOW DIAGONAL (90 MIL) UA THERMOPLASTIC LEFT TURN ARROW (90 MIL) UB THERMOPLASTIC RIGHT TURN ARROW (90 MIL) UC THERMOPLASTIC STRAIGHT ARROW (90 MIL) UD THERMOPLASTIC COMBO LEFT-STRAIGHT ARROW (90 MIL) UE THERMOPLASTIC COMBO RIGHT-STRAIGHT ARROW (90 MIL) UF THERMOPLASTIC COMBO LEFT-RIGHT ARROW (90 MIL) UI THERMOPLASTIC ALPHANUMERIC CHARACTER (90 MIL) UN THERMOPLASTIC 24" YIELD LINE TRIANGLE (90 MIL) UP THERMOPLASTIC MERGE ARROW (90 MIL) UQ THERMOPLASTIC RAMP ARROW (90 MIL) | <ul style="list-style-type: none"> C13 COLD APPLIED PLASTIC 8" 3'-9'/SP. WHITE MINI-SKIP CA COLD APPLIED PLASTIC 4" WHITE EDGELINE CB COLD APPLIED PLASTIC 4" YELLOW EDGELINE CC COLD APPLIED PLASTIC 4" 10'-30'/SP. WHITE SKIP DA COLD APPLIED PLASTIC LEFT TURN ARROW DI COLD APPLIED PLASTIC ALPHANUMERIC CHARACTER MA YELLOW & YELLOW PERMANENT RAISED MARKER MB CRYSTAL & RED PERMANENT RAISED MARKER MF CRYSTAL & RED SNOWPLOWABLE MARKER |
|--|--|

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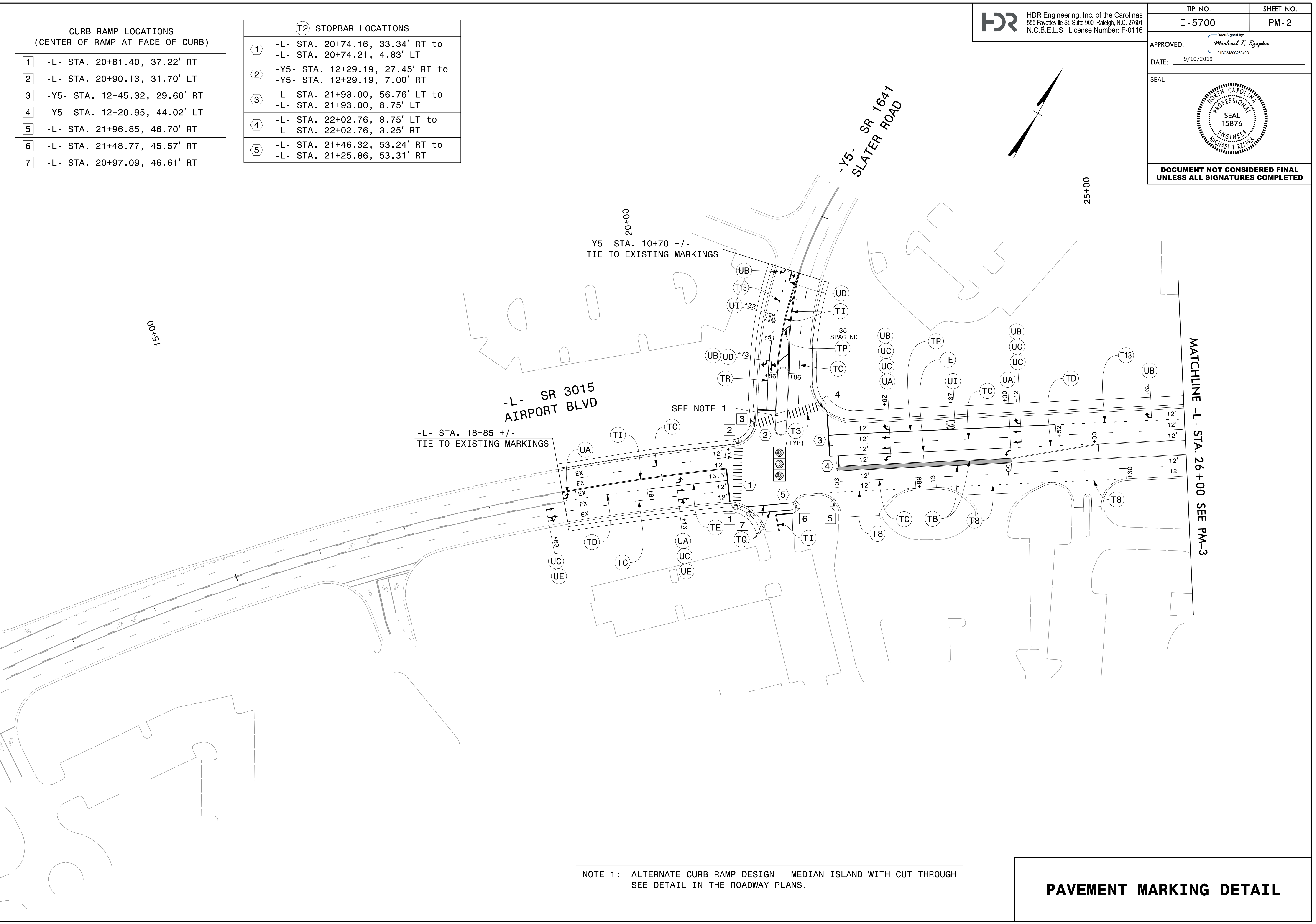
PAVEMENT MARKING SCHEDULE

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DATE: 9/10/2019	
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CURB RAMP LOCATIONS (CENTER OF RAMP AT FACE OF CURB)	
1	-L- STA. 20+81.40, 37.22' RT
2	-L- STA. 20+90.13, 31.70' LT
3	-Y5- STA. 12+45.32, 29.60' RT
4	-Y5- STA. 12+20.95, 44.02' LT
5	-L- STA. 21+96.85, 46.70' RT
6	-L- STA. 21+48.77, 45.57' RT
7	-L- STA. 20+97.09, 46.61' RT


T2 STOPBAR LOCATIONS	
1	-L- STA. 20+74.16, 33.34' RT to -L- STA. 20+74.21, 4.83' LT
2	-Y5- STA. 12+29.19, 27.45' RT to -Y5- STA. 12+29.19, 7.00' RT
3	-L- STA. 21+93.00, 56.76' LT to -L- STA. 21+93.00, 8.75' LT
4	-L- STA. 22+02.76, 8.75' LT to -L- STA. 22+02.76, 3.25' RT
5	-L- STA. 21+46.32, 53.24' RT to -L- STA. 21+25.86, 53.31' RT

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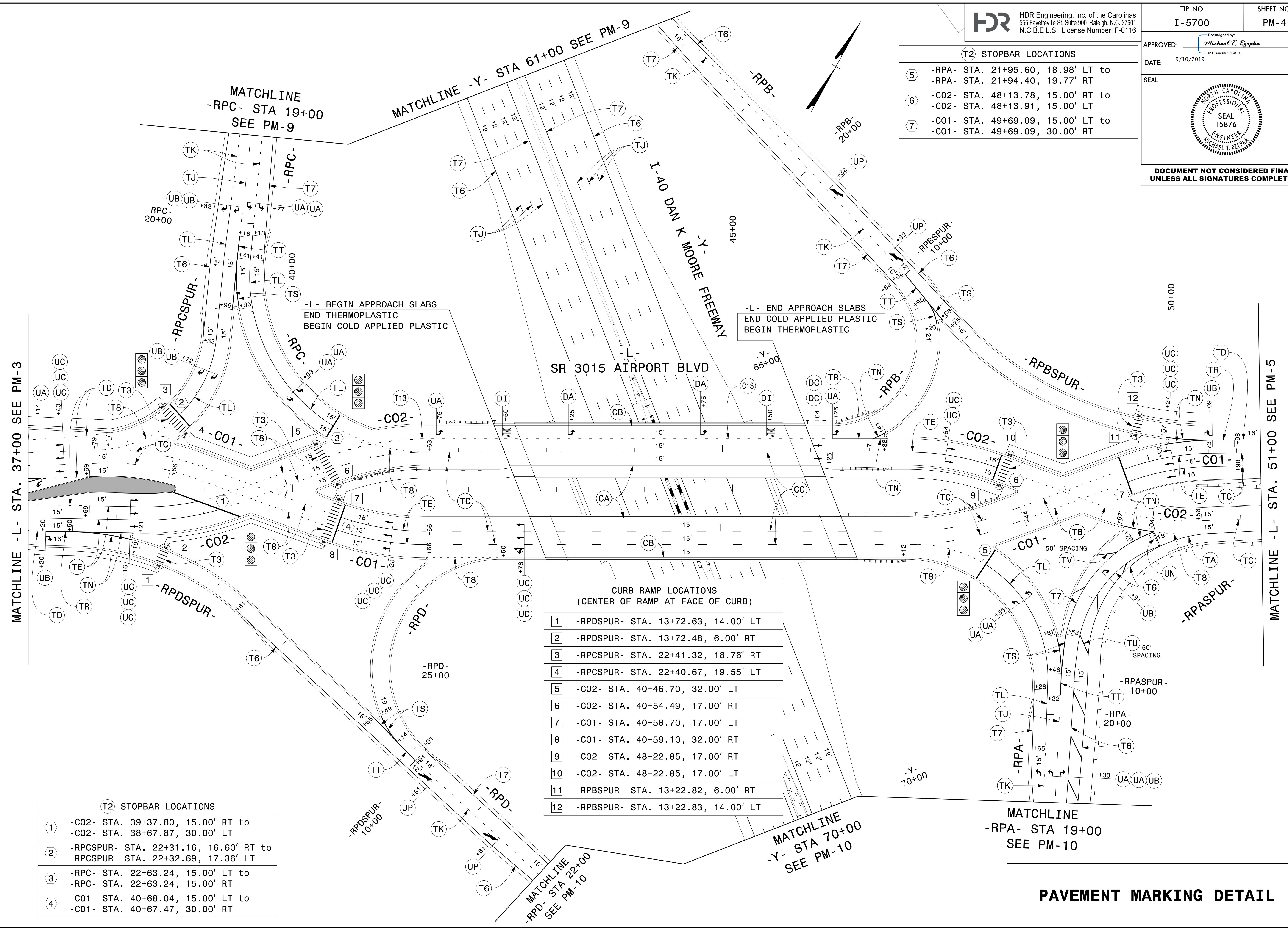
NOTE 1: ALTERNATE CURB RAMP DESIGN - MEDIAN ISLAND WITH CUT THROUGH
 SEE DETAIL IN THE ROADWAY PLANS.

PAVEMENT MARKING DETAIL

TIP NO.	SHEET NO.
I - 5700	PM - 4
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T2 STOPBAR LOCATIONS

5	-RPA- STA. 21+95.60, 18.98' LT to -RPA- STA. 21+94.40, 19.77' RT
6	-C02- STA. 48+13.78, 15.00' RT to -C02- STA. 48+13.91, 15.00' LT
7	-C01- STA. 49+69.09, 15.00' LT to -C01- STA. 49+69.09, 30.00' RT



**CURB RAMP LOCATIONS
(CENTER OF RAMP AT FACE OF CURB)**


1	-RPDSPUR- STA. 13+72.63, 14.00' LT
2	-RPDSPUR- STA. 13+72.48, 6.00' RT
3	-RPCSPUR- STA. 22+41.32, 18.76' RT
4	-RPCSPUR- STA. 22+40.67, 19.55' LT
5	-C02- STA. 40+46.70, 32.00' LT
6	-C02- STA. 40+54.49, 17.00' RT
7	-C01- STA. 40+58.70, 17.00' LT
8	-C01- STA. 40+59.10, 32.00' RT
9	-C02- STA. 48+22.85, 17.00' RT
10	-C02- STA. 48+22.85, 17.00' LT
11	-RPBSPUR- STA. 13+22.82, 6.00' RT
12	-RPBSPUR- STA. 13+22.83, 14.00' LT

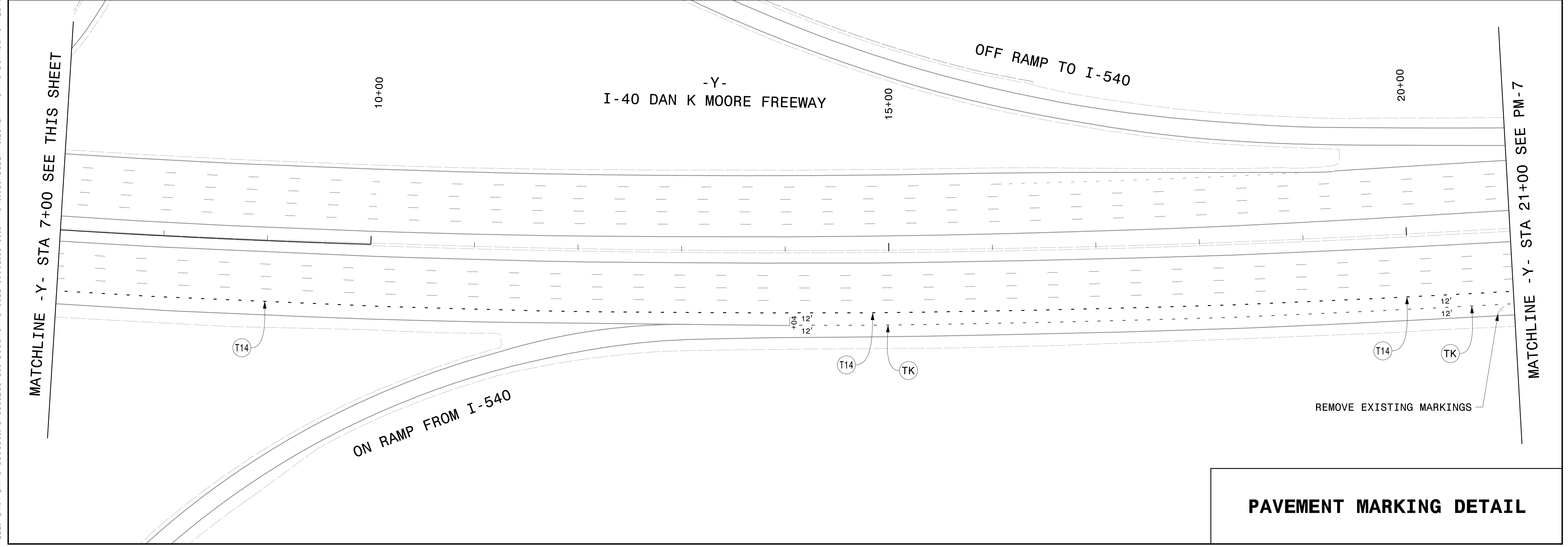
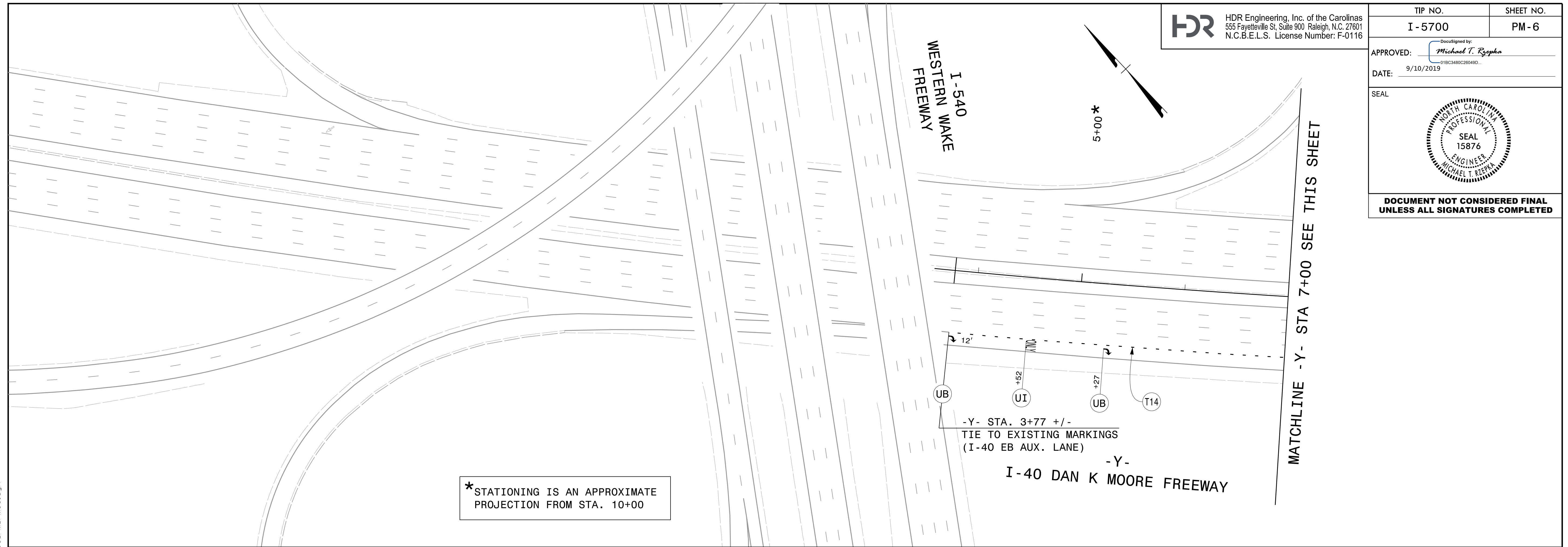
T2 STOPBAR LOCATIONS

1	-C02- STA. 39+37.80, 15.00' RT to -C02- STA. 38+67.87, 30.00' LT
2	-RPCSPUR- STA. 22+31.16, 16.60' RT to -RPCSPUR- STA. 22+32.69, 17.36' LT
3	-RPC- STA. 22+63.24, 15.00' RT to -RPC- STA. 22+63.24, 15.00' LT
4	-C01- STA. 40+68.04, 15.00' LT to -C01- STA. 40+67.47, 30.00' RT


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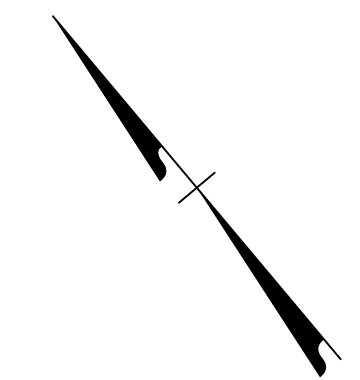
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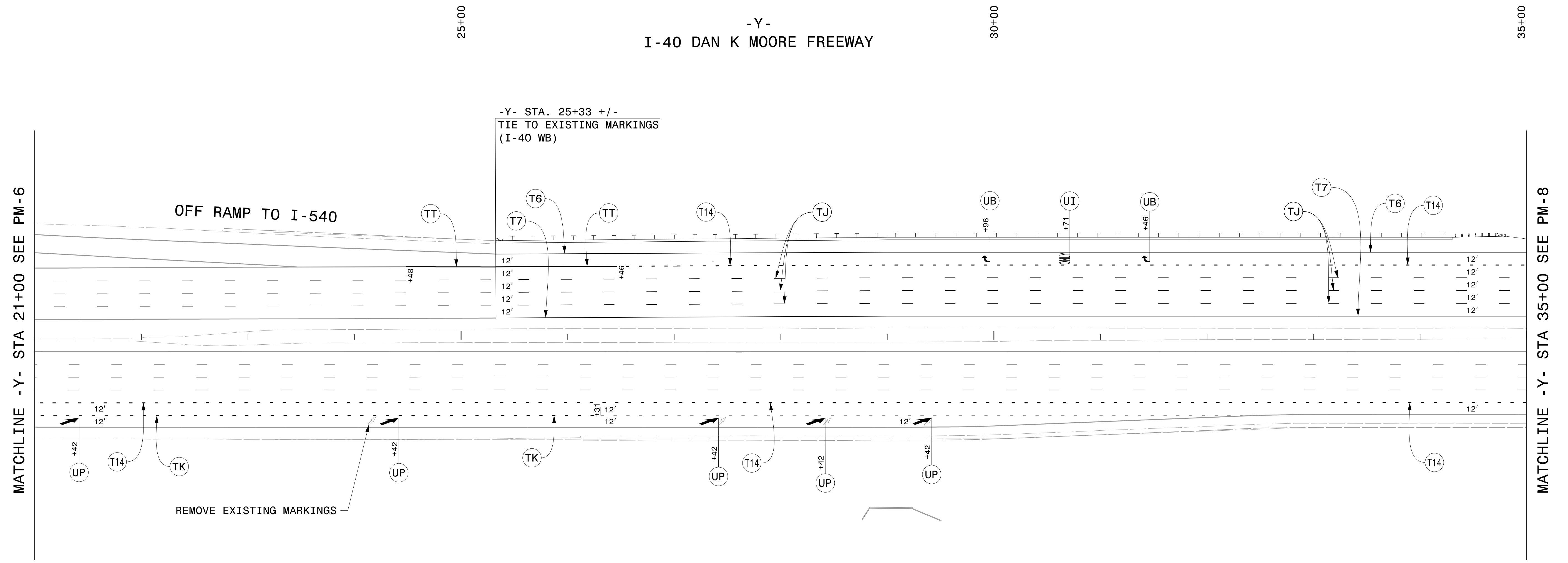


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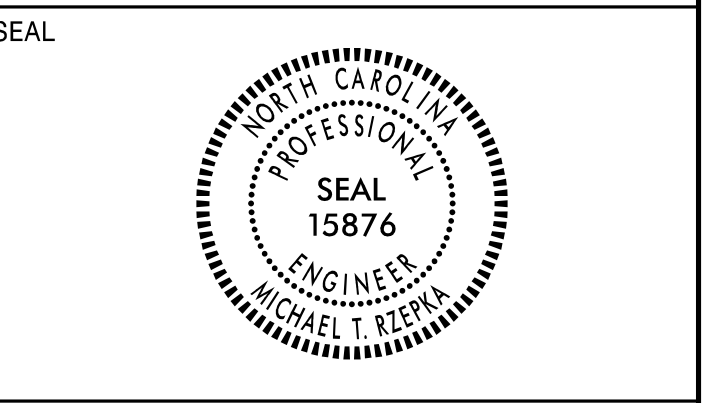
**-Y-
I-40 DAN K MOORE FREEWAY**



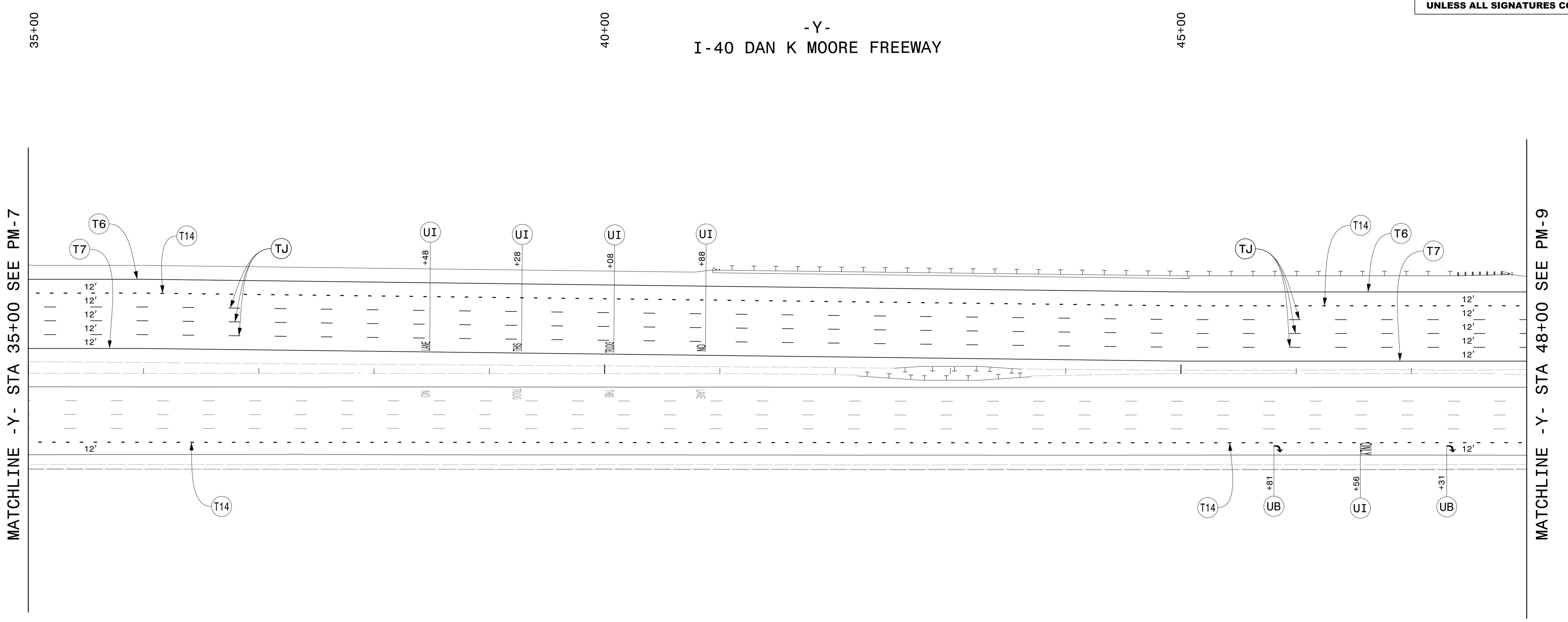
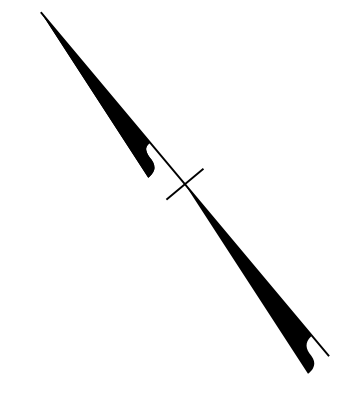
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PAVEMENT MARKING DETAIL



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MATCHLINE -Y- STA 35+00 SEE PM-7

MATCHLINE -Y- STA 48+00 SEE PM-9

-Y-
I-40 DAN K MOORE FREEWAY

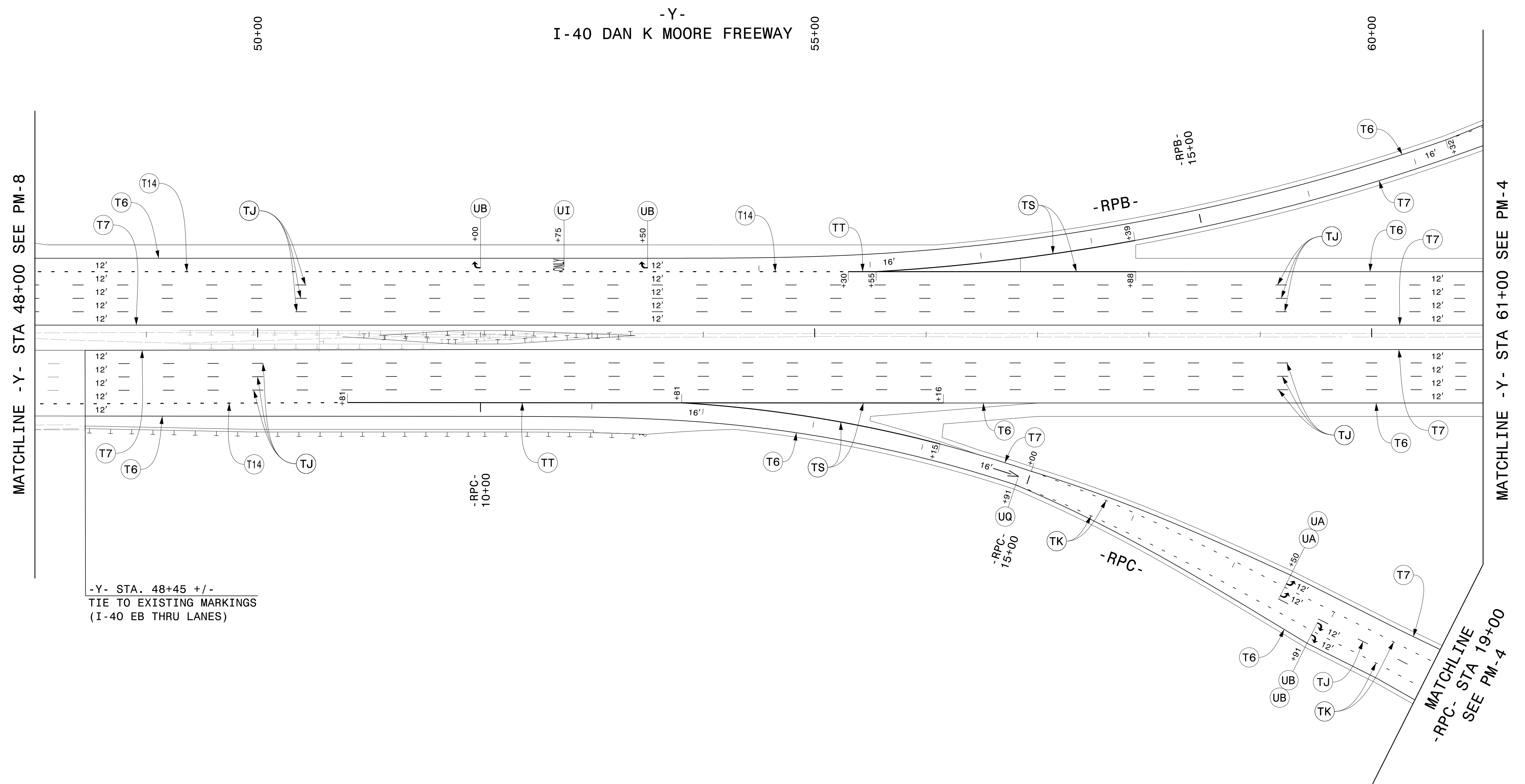
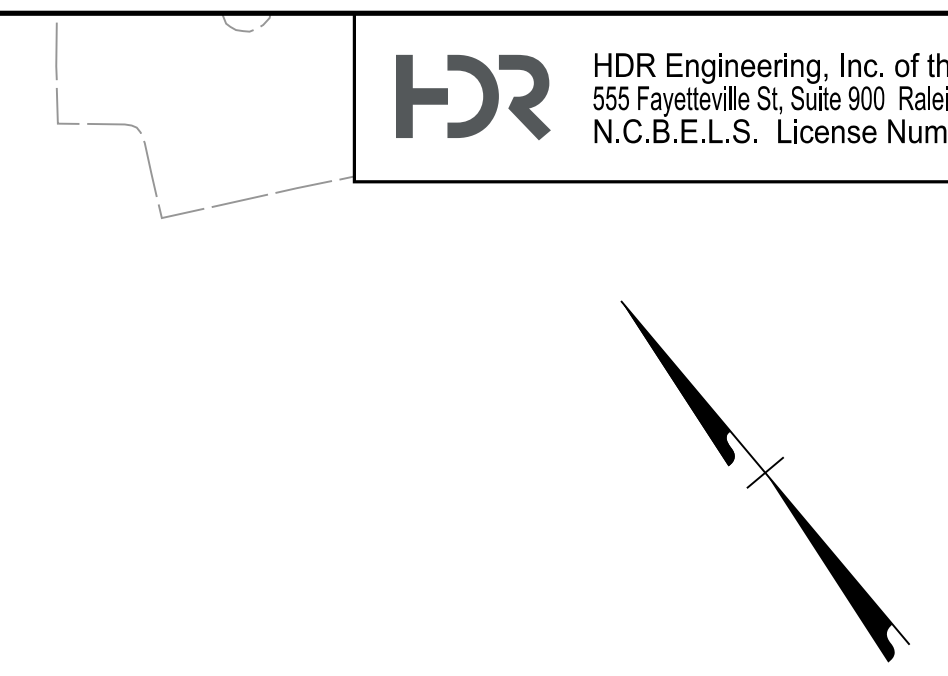
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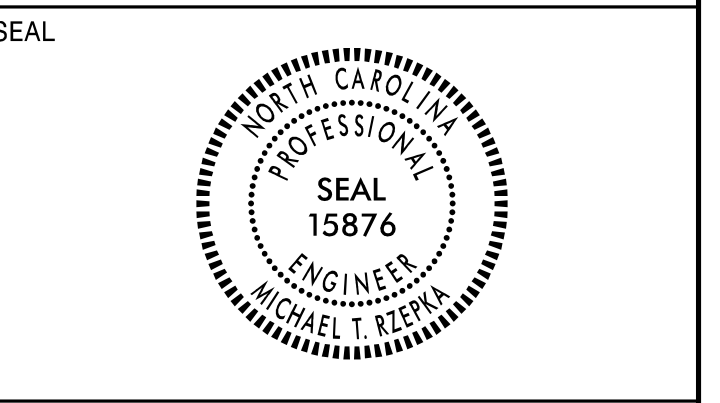
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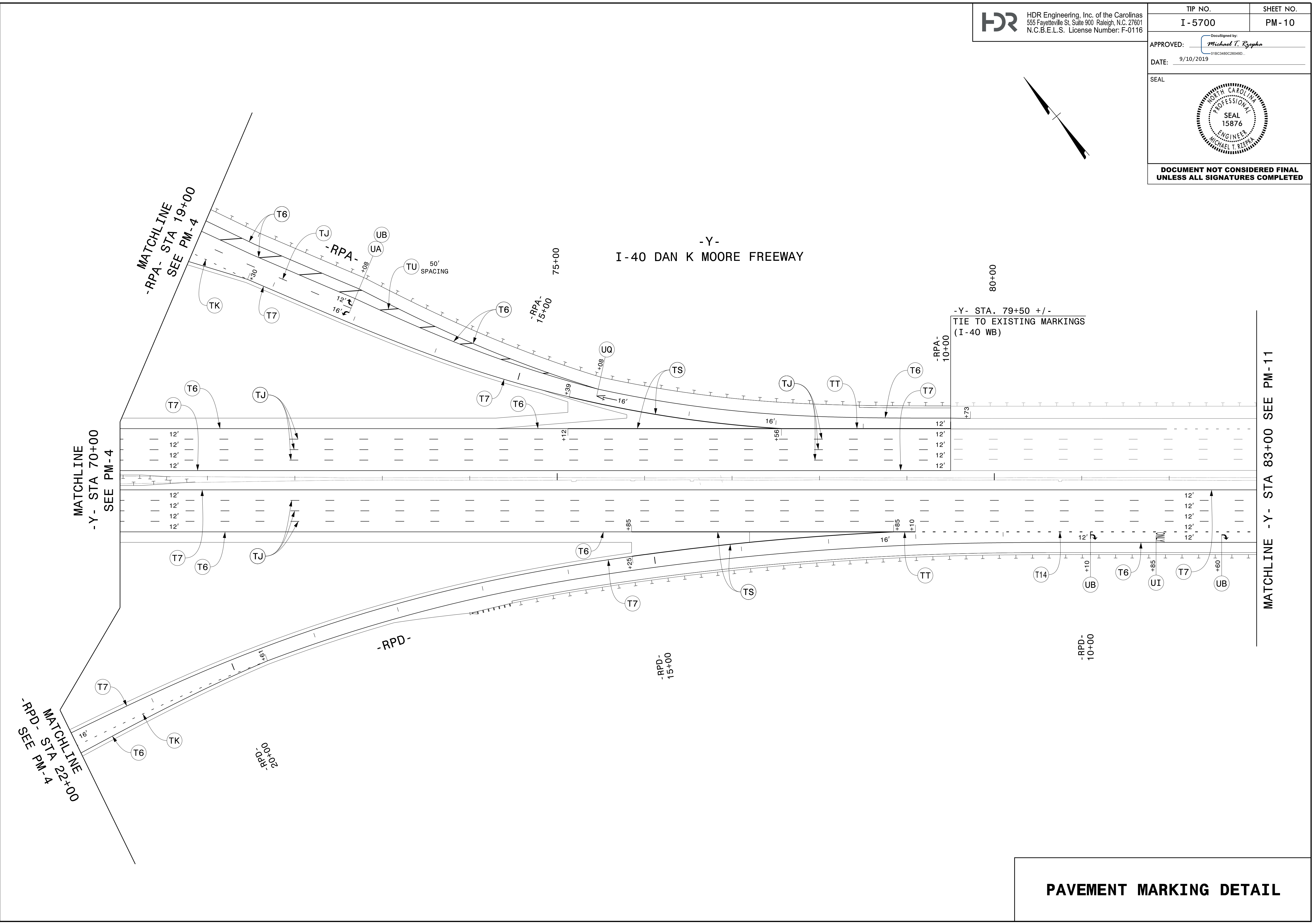
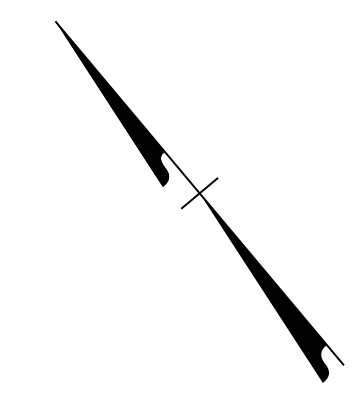
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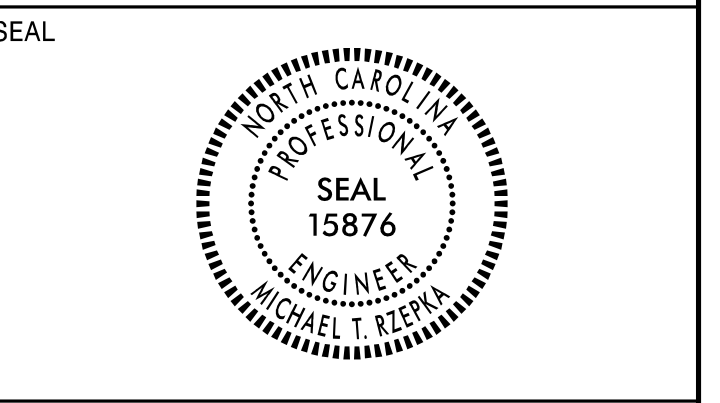
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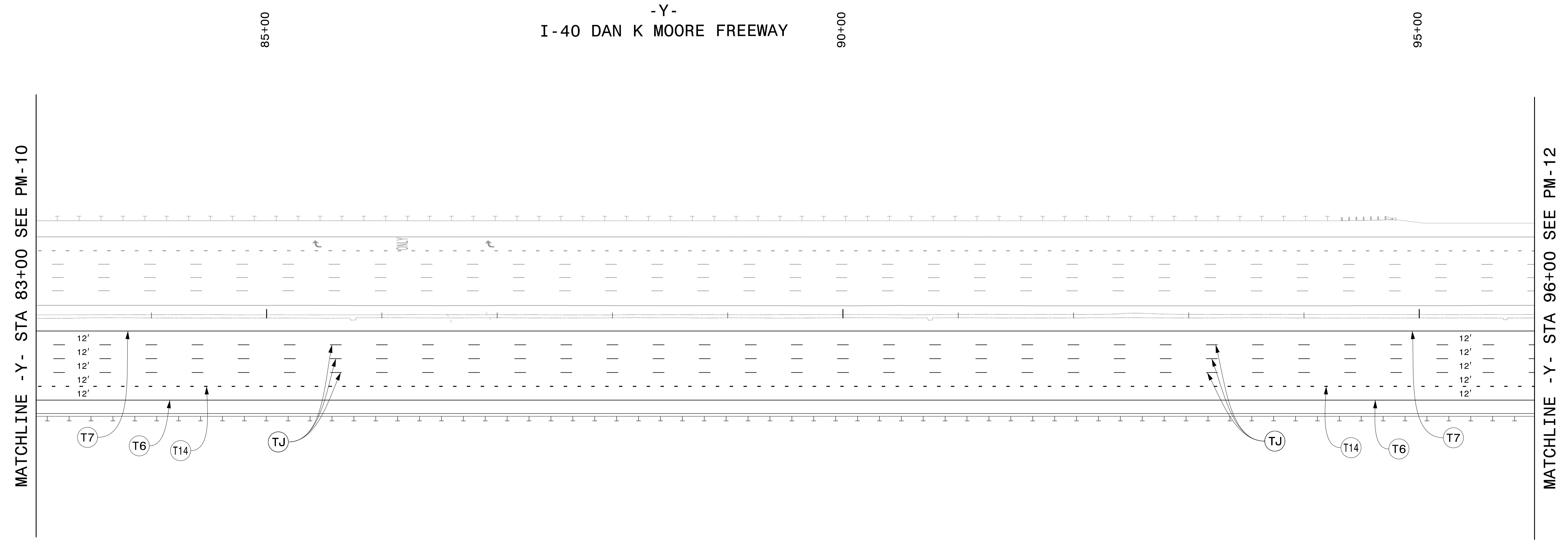
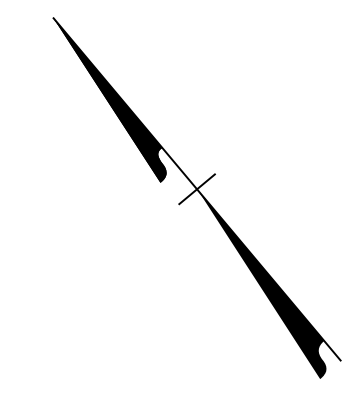
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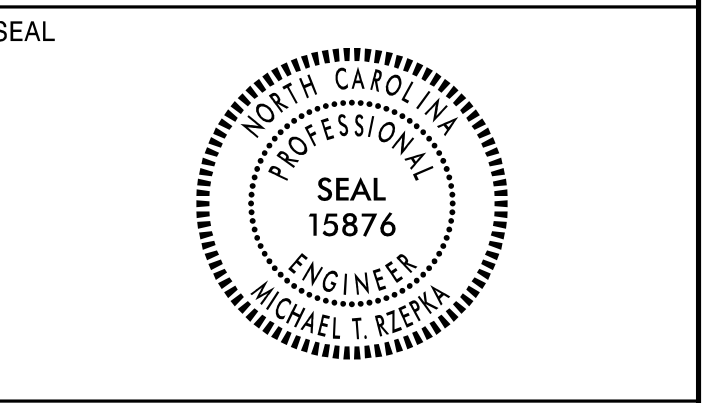


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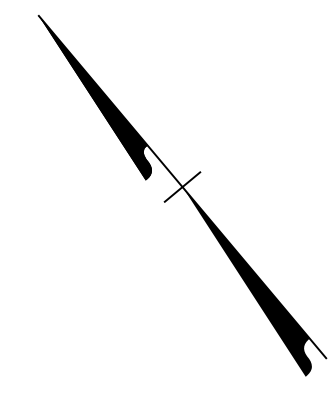


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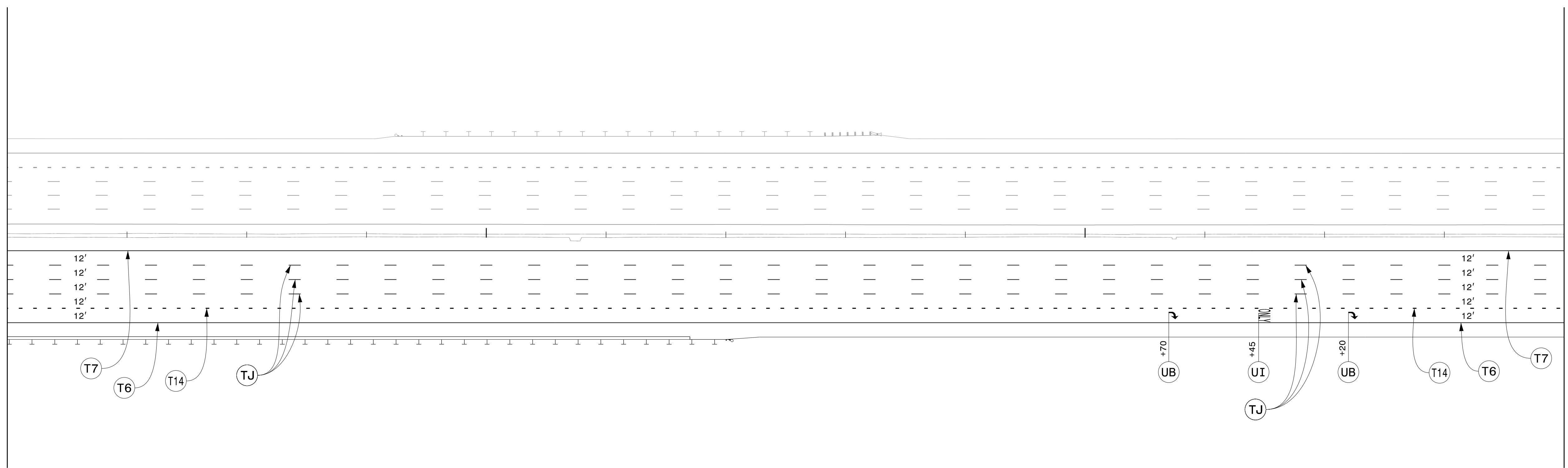


100+00

-Y-
I-40 DAN K MOORE FREEWAY

105+00

MATCHLINE -Y- STA 96+00 SEE PM-11



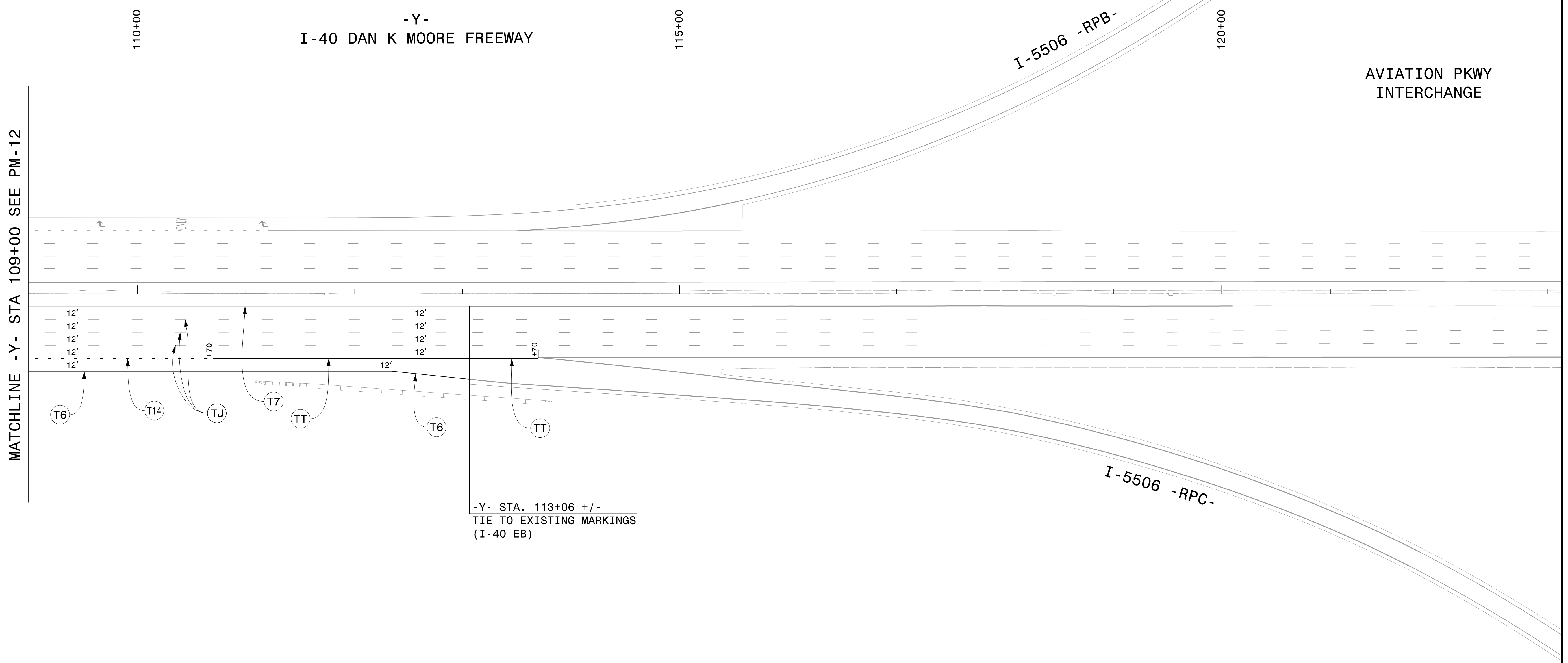
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PAVEMENT MARKING DETAIL



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MATCHLINE -Y- STA 109+00 SEE PM-12

-Y-
I-40 DAN K MOORE FREEWAY

I-5506 -RPB-

I-5506 -RPC-


AVIATION PKWY
INTERCHANGE

-Y- STA. 113+06 +/-
TIE TO EXISTING MARKINGS
(I-40 EB)

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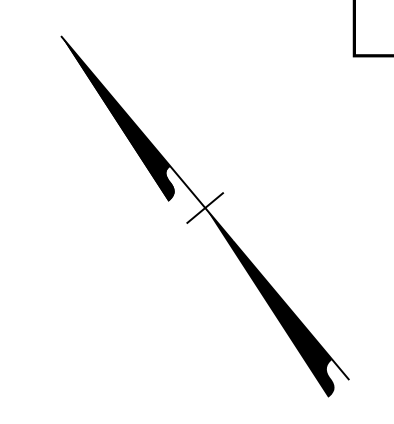
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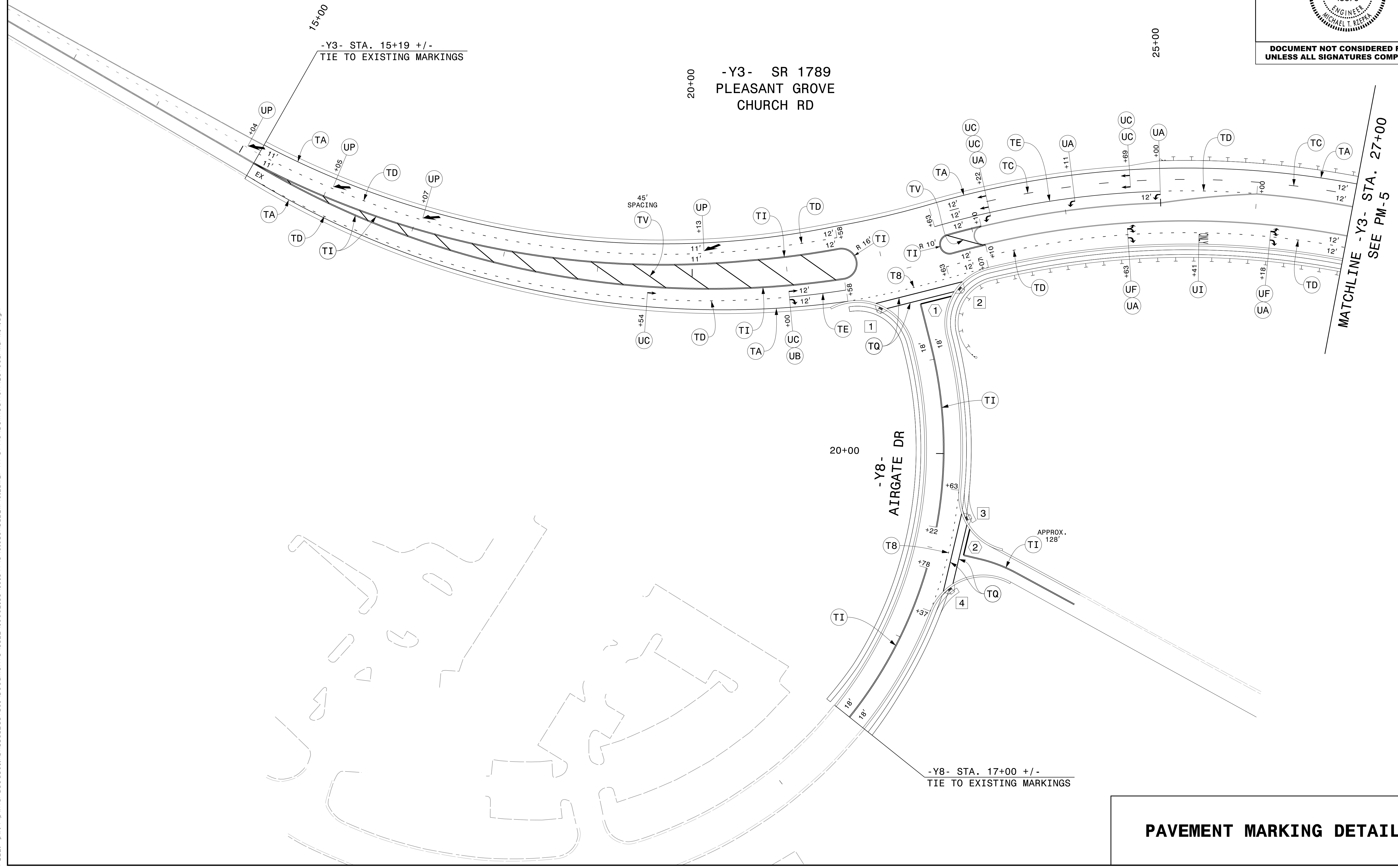
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DATE: 9/10/2019	
SEAL	
	
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CURB RAMP LOCATIONS (CENTER OF RAMP AT FACE OF CURB)	
1	-Y3- STA. 21+89.36, 53.06' RT
2	-Y3- STA. 22+70.15, 53.15' RT
3	-Y8- STA. 19+35.30, 29.03' RT
4	-Y8- STA. 18+64.60, 29.03' RT

T2 STOPBAR LOCATIONS	
1	-Y8- STA. 21+59.81, 0.00' RT to -Y8- STA. 21+59.81, 33.38' RT
2	-Y8- STA. 18+99.95, 34.00' RT to -Y8- STA. 19+26.06, 34.81' RT



PLOT DRIVER: NCDOT_pdf_memo_eng_100.plt
 USER: MRZEPKA
 PENTABLE: NCDOT_tcp.tbl
 DATE: 9/10/2019
 TIME: 1:42:51 PM
 FILE: p:\pwhdr\users\01\HDR_US_East_01\Documents\3322\10002133\0134745\6.0_CAD_BIM\6.2_WIP\Tr-offic\Delineation\I5700_PM_PM14.dgn



PAVEMENT MARKING DETAIL