

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

TIP NO. R-2303D	SHEET NO. PMP-1
APPROVED: <i>Michael J. Rzepka</i>	
DATE: 4-23-13	
SEAL	

PAVEMENT MARKING PLAN
SAMPSON COUNTY

LOCATION: NC 24 FROM SR 1303 (MITCHELL LOOP ROAD)
TO US 421-701/SR 1296 (SUNSET AVENUE)

T.I.P.: R-2303D

CONTRACT:

FINAL PAVEMENT MARKING SCHEDULE

SYMBOL	DESCRIPTION
	(FINAL PAVEMENT MARKINGS) THERMOPLASTIC (4", 90 MILS)
TA	WHITE EDGELINE
TB	YELLOW EDGELINE
	THERMOPLASTIC (4", 120 MILS)
T8	2 FT.-6 FT./SP WHITE MINISKIP
T9	2 FT.-6 FT./SP YELLOW MINISKIP
TC	10 FT. WHITE SKIP
TD	3 FT.-9 FT./SP WHITE MINISKIP
TE	WHITE SOLID LANE LINE
TI	YELLOW DOUBLE CENTER
	THERMOPLASTIC (6", 90 MILS)
T6	WHITE EDGELINE
T7	YELLOW EDGELINE
	THERMOPLASTIC (6", 120 MILS)
TJ	10 FT. WHITE SKIP
TK	3 FT.-9 FT./SP WHITE MINISKIP
TL	WHITE SOLID LANE LINE
	THERMOPLASTIC (8", 90 MILS)
TN	WHITE GORELINE
TO	WHITE DIAGONAL
TP	YELLOW DIAGONAL
	THERMOPLASTIC (8", 120 MILS)
T13	3 FT.-9 FT./SP WHITE MINISKIP
TQ	WHITE CROSSWALK LINE
TR	WHITE SOLID LANE LINE
	THERMOPLASTIC (12", 90 MILS)
TS	WHITE GORELINE
	THERMOPLASTIC (12", 120 MILS)
TT	WHITE SOLID LANE LINE
	THERMOPLASTIC (24", 120 MILS)
T2	WHITE STOPBAR
	POLYUREA (4")
VA	WHITE EDGELINE
VB	YELLOW EDGELINE
VC	WHITE SKIP

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 - 2-LANE AND MULTILANE ROADWAYS
1205.04	PAVEMENT MARKINGS - INTERSECTIONS
1205.05	PAVEMENT MARKINGS - TURN LANES
1205.06	PAVEMENT MARKINGS - LANE DROPS
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 SPACING
1261.02	GUARDRAIL AND BARRIER DELINEATORS TYPES
1262.01	GUARDRAIL END DELINEATION
1264.01	OBJECT MARKERS - TYPES
1264.02	OBJECT MARKERS - INSTALLATION

THERMOPLASTIC PAVEMENT MARKING SYMBOLS (90 MILS)

UA	LEFT TURN ARROW
UB	RIGHT TURN ARROW
UC	STRAIGHT ARROW
UE	COMBO STRAIGHT/RIGHT ARROW
UF	COMBO LEFT/RIGHT ARROW
UG	COMBO LEFT/RIGHT/STRAIGHT ARROW
UP	MERGE ARROW
UT	U-TURN ARROW

THERMOPLASTIC PAVEMENT MARKING CHARACTER (120 MILS)

UI	ALPHANUMERIC CHARACTER
----	------------------------

(MARKERS)

PERMANENT RAISED PAVEMENT MARKERS (SNOWPLOWABLE)

ME	YELLOW/YELLOW
MF	CRYSTAL/RED

PERMANENT RAISED PAVEMENT MARKERS (RAISED)

MB	CRYSTAL/RED
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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.

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

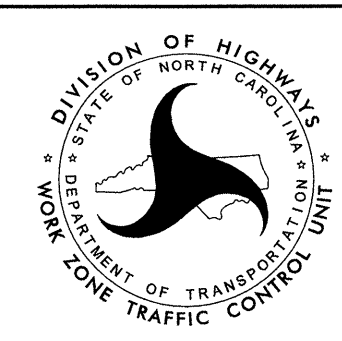
ROAD NAME	MARKING	MARKER
ALL	THERMOPLASTIC	SNOWPLOWABLE
BRIDGE DECKS	POLYUREA, HRE	PERMANENT RAISED
- TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.
- REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS AND MARKERS.
- PASSING ZONES WILL BE DETERMINED IN THE FIELD AND MUST BE APPROVED BY THE ENGINEER.
- STOP BAR LOCATION AT NON-SIGNALIZED INTERSECTIONS MAY BE ADJUSTED AS DIRECTED BY THE ENGINEER.
- REMOVE ALL RESIDUE AND SURFACE LAITANCE BY ACCEPTABLE METHODS ON CONCRETE BRIDGE DECKS PRIOR TO PLACING POLYUREA PAVEMENT MARKING MATERIAL.
- 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

SHEET NO.	DESCRIPTION
PMP-1	PAVEMENT MARKING PLAN TITLE AND SCHEDULE SHEET
PMP-1A	REVISED PAVEMENT MARKING STANDARD DRAWING - LANE DROPS
PMP-1B	REVISED PAVEMENT MARKING STANDARD DRAWING - SYMBOL & WORD MESSAGES
PMP-2	PAVEMENT MARKING DETAIL - INTERSECTION TYPICAL
PMP-3-17	PAVEMENT MARKING DETAIL

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

A. ALQUDWAH, P.E. SIGNING & DELINEATION REGIONAL ENGINEER
B. RASHID SIGNING & DELINEATION DESIGN ENGINEER



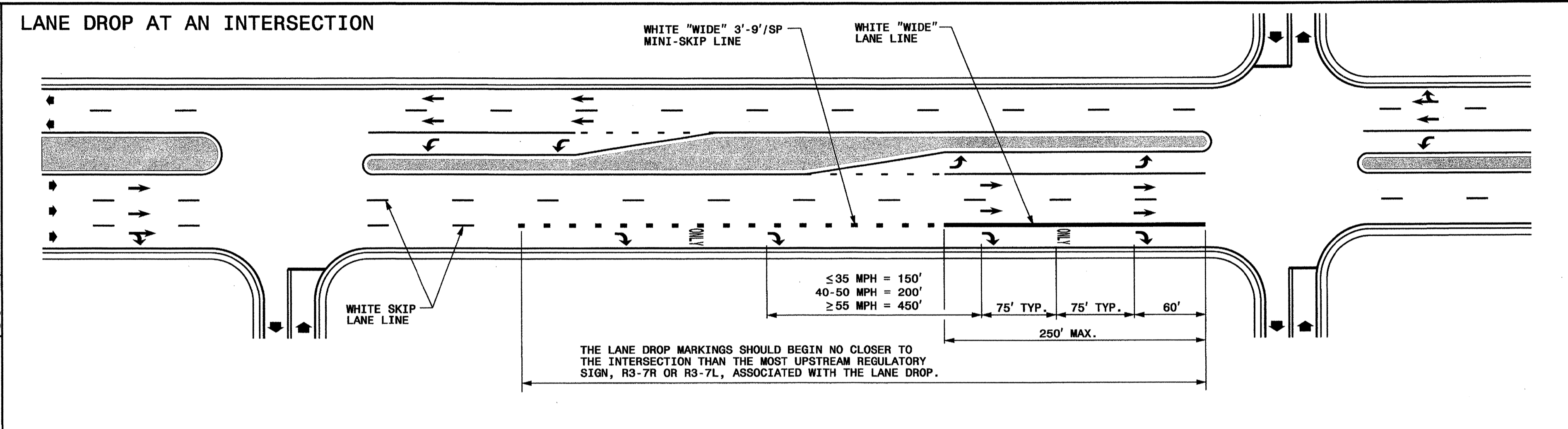
PLAN PREPARED BY: FLORENCE & HUTCHESON

M. T. RZEPKA, P.E. PROJECT ENGINEER
T. A. GRAVES, P.E. DESIGN ENGINEER
H. BARE DESIGN TECHNICIAN



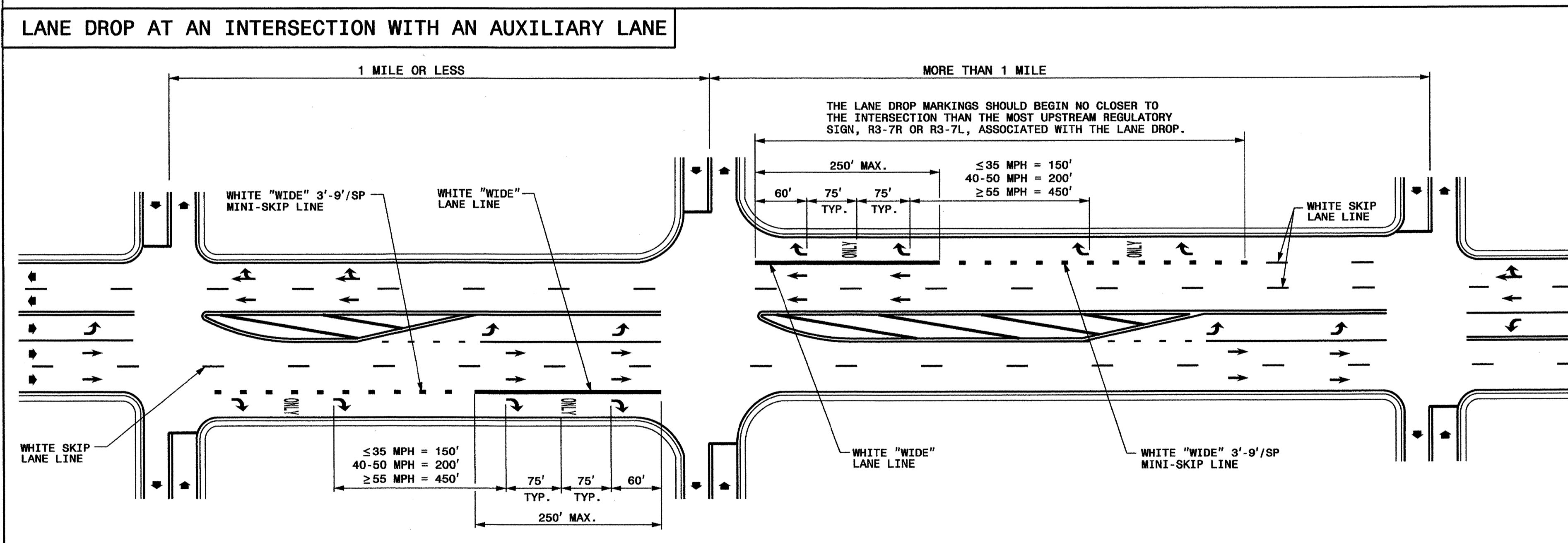
TIP NO. R-2303D	SHEET NO. PMP-1A
APPROVED: <i>RW</i>	
DATE: 3/6/12	
SEAL	

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



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 RALEIGH, N.C.

ENGLISH DETAIL DRAWING FOR
 PAVEMENT MARKINGS
 LANE DROPS



ENGLISH DETAIL DRAWING FOR
 PAVEMENT MARKINGS
 LANE DROPS

- GENERAL NOTES:
- USE THE GUIDANCE SHOWN ON THE ABOVE DETAILS IN CONJUNCTION WITH INTERSECTION GUIDANCE SHOWN ON ROADWAY STANDARD DRAWING 1205.04.
 - LANE LINES INDICATED AS "WIDE" SHALL BE AT LEAST TWICE THE WIDTH OF THE NORMAL LINE.


LEGEND	
W = WIDTH OF TRAVEL LANE	ONLY PAVEMENT MARKING SYMBOLS & CHARACTERS
➔ DIRECTION OF TRAFFIC FLOW	

SHEET 1 OF 3
1205D06

SHEET 1 OF 3
1205D06

**REVISED PAVEMENT MARKING
ROADWAY STANDARD DRAWING**

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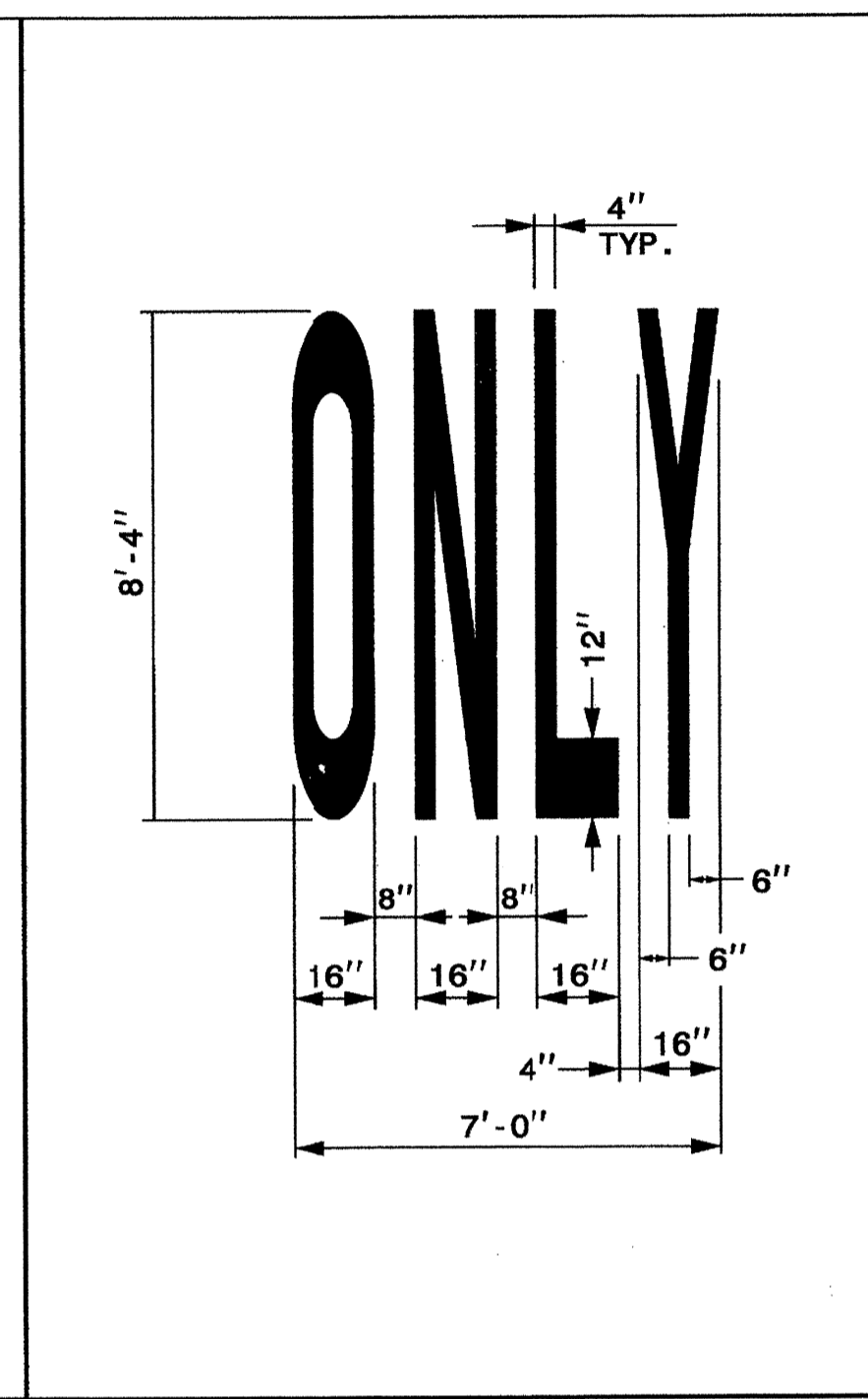
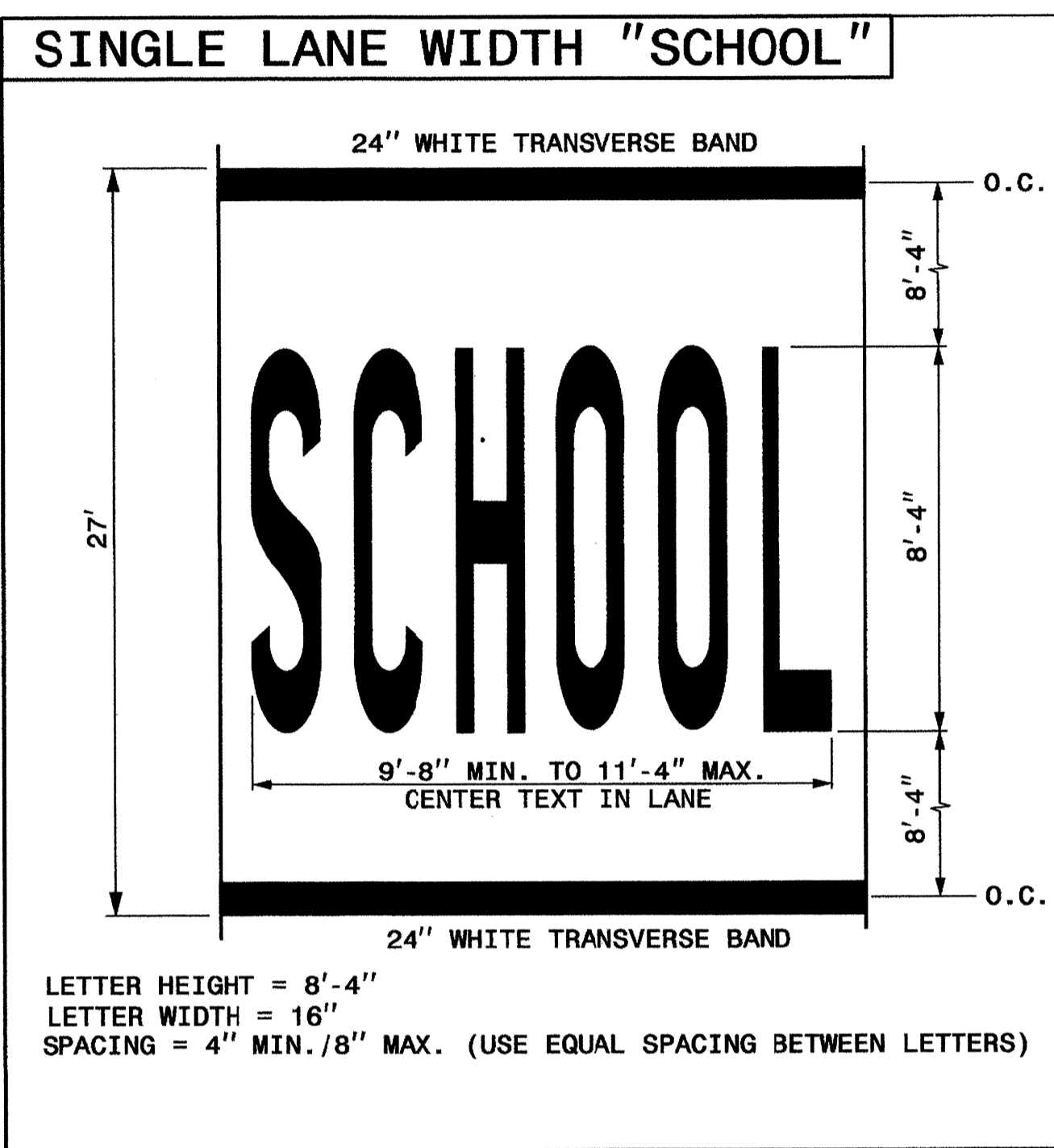
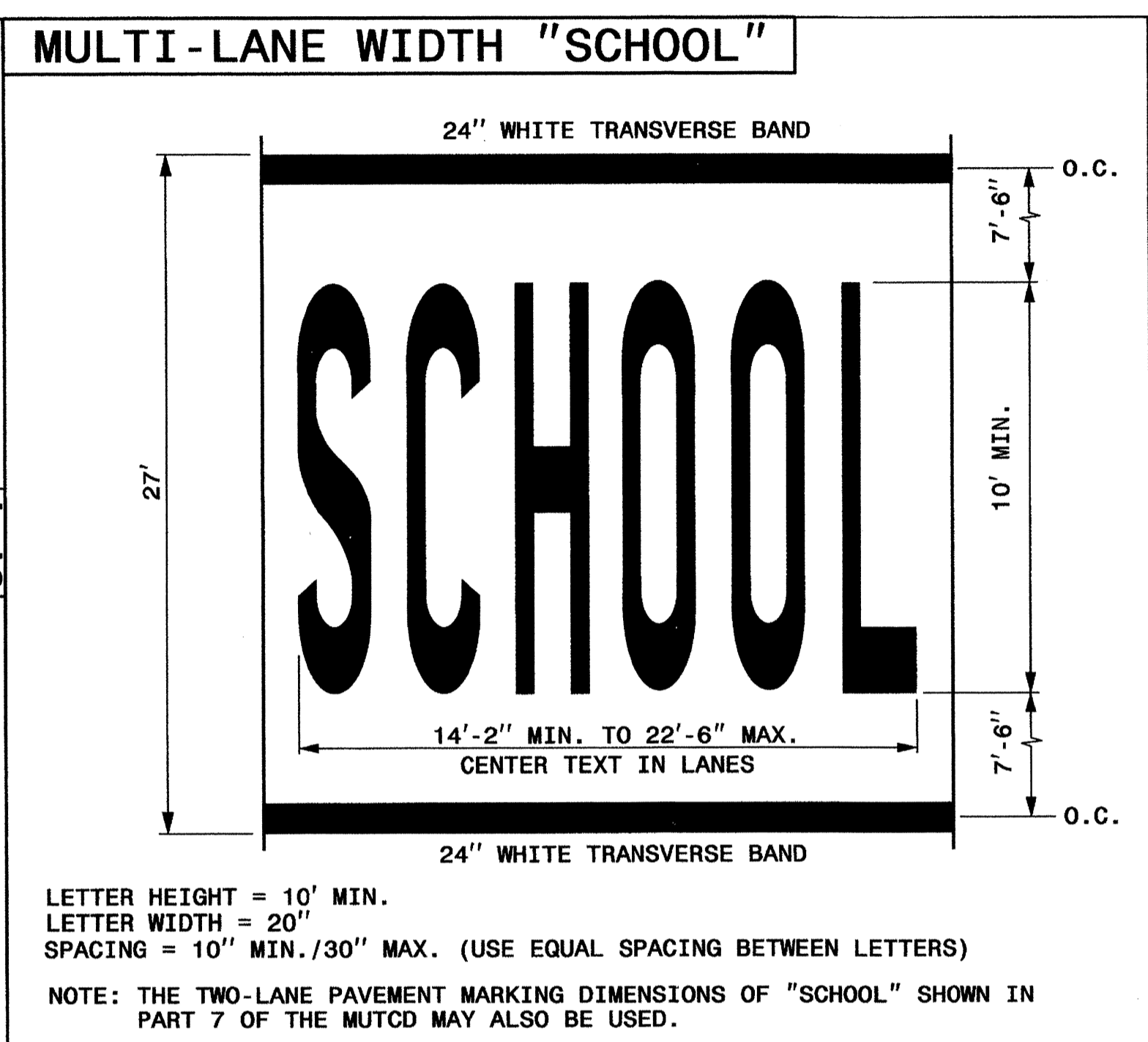
TIP NO. R-2303D	SHEET NO. PMP-1B
APPROVED: <i>R.W.F.</i>	
DATE: 3/8/12	
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RALEIGH, N.C.

1-12

ENGLISH DETAIL DRAWING FOR
PAVEMENT MARKINGS
SYMBOLS AND WORD MESSAGES

SHEET 3 OF 8
1205D08

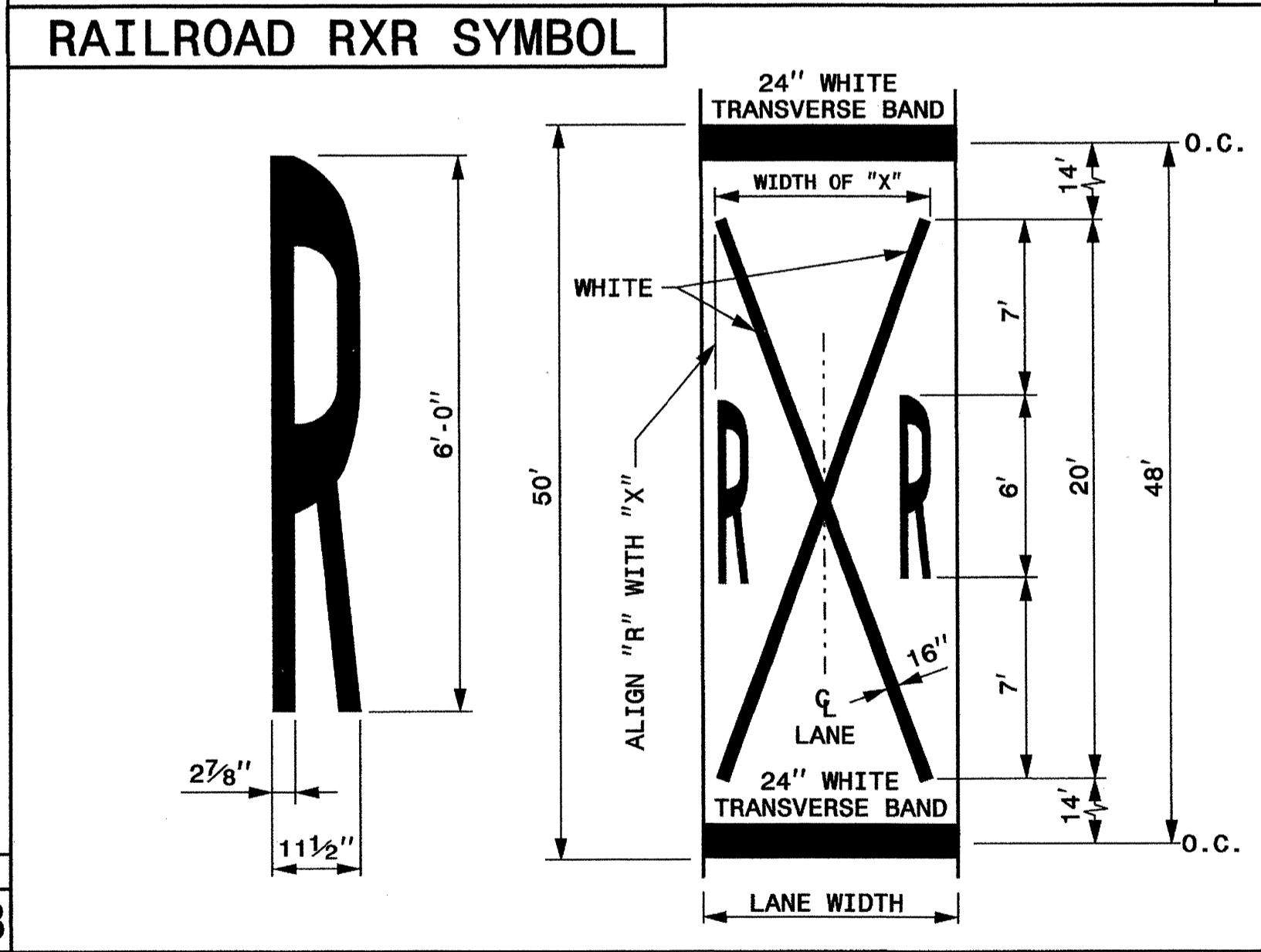


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1-12

ENGLISH DETAIL DRAWING FOR
PAVEMENT MARKINGS
SYMBOLS AND WORD MESSAGES

SHEET 3 OF 8
1205D08



LANE WIDTH (FEET)	WIDTH OF "X" (FEET)
8' ≤ W ≤ 9'	7'
9' < W ≤ 12'	8'
W > 12'	10'

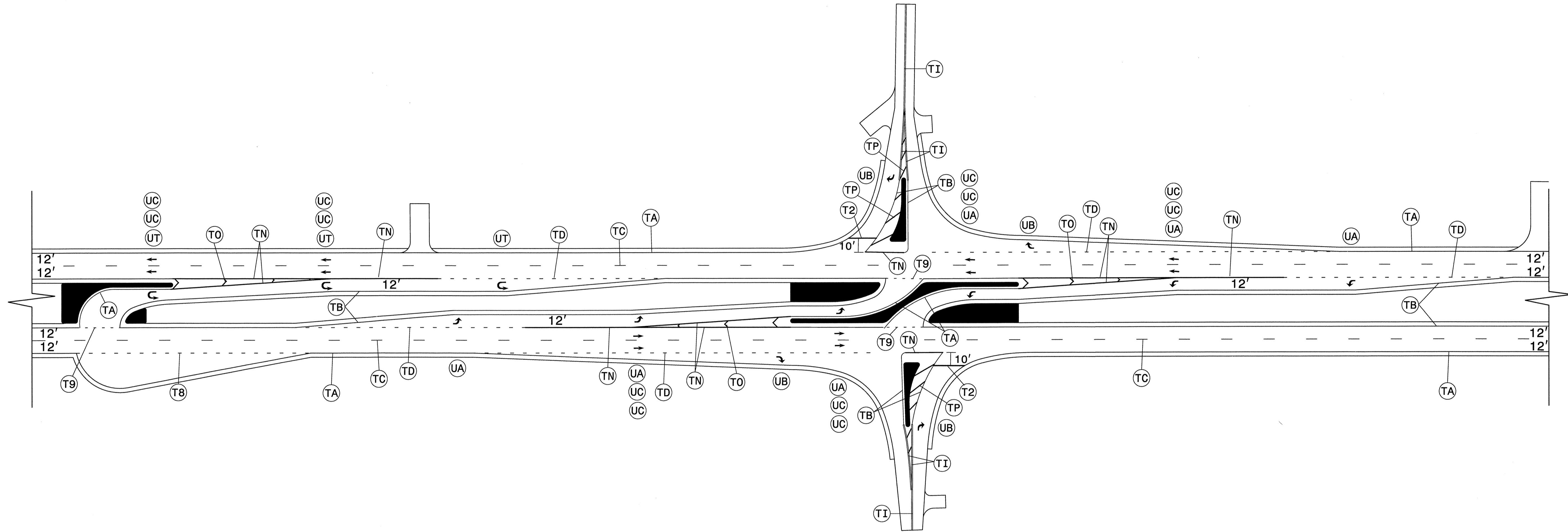
GENERAL NOTES:

- 1- THE SCHOOL PAVEMENT MARKING CONSISTS OF SIX (6) CHARACTERS. THE TWO (2) 24" TRANSVERSE BANDS WILL BE PAID FOR UNDER A SEPARATE PAY ITEM. REFER TO ROADWAY STANDARD DRAWING 1205.10 FOR ADDITIONAL PAVEMENT MARKING GUIDANCE.
- 2- PAVEMENT MARKING IN ADVANCE OF A HIGHWAY-RAIL CROSSING SHALL CONSIST OF TWO (2) CHARACTERS AND TWO (2) 16" LINES (FORMING AN X) WHICH ARE PAID FOR UNDER TWO SEPARATE PAY ITEMS. THE TWO (2) 24" TRANSVERSE BANDS WILL BE PAID FOR UNDER A SEPARATE PAY ITEM. REFER TO ROADWAY STANDARD DRAWING 1205.11 FOR ADDITIONAL PAVEMENT MARKING GUIDANCE.

REVISED PAVEMENT MARKING
ROADWAY STANDARD DRAWING

08-MAR-2012 12:18 SA\S&D\Standards Group\PMP\2012 Standard Drawings\Standard Dwg 8-17-11\Revised\12050803.Revised 9-14-11_Scaled.dgn AT 1E244745

TIP NO. R-2303D	SHEET NO. PMP-2
APPROVED: <i>Michael J. Rzepka</i>	
DATE: 4-23-13	
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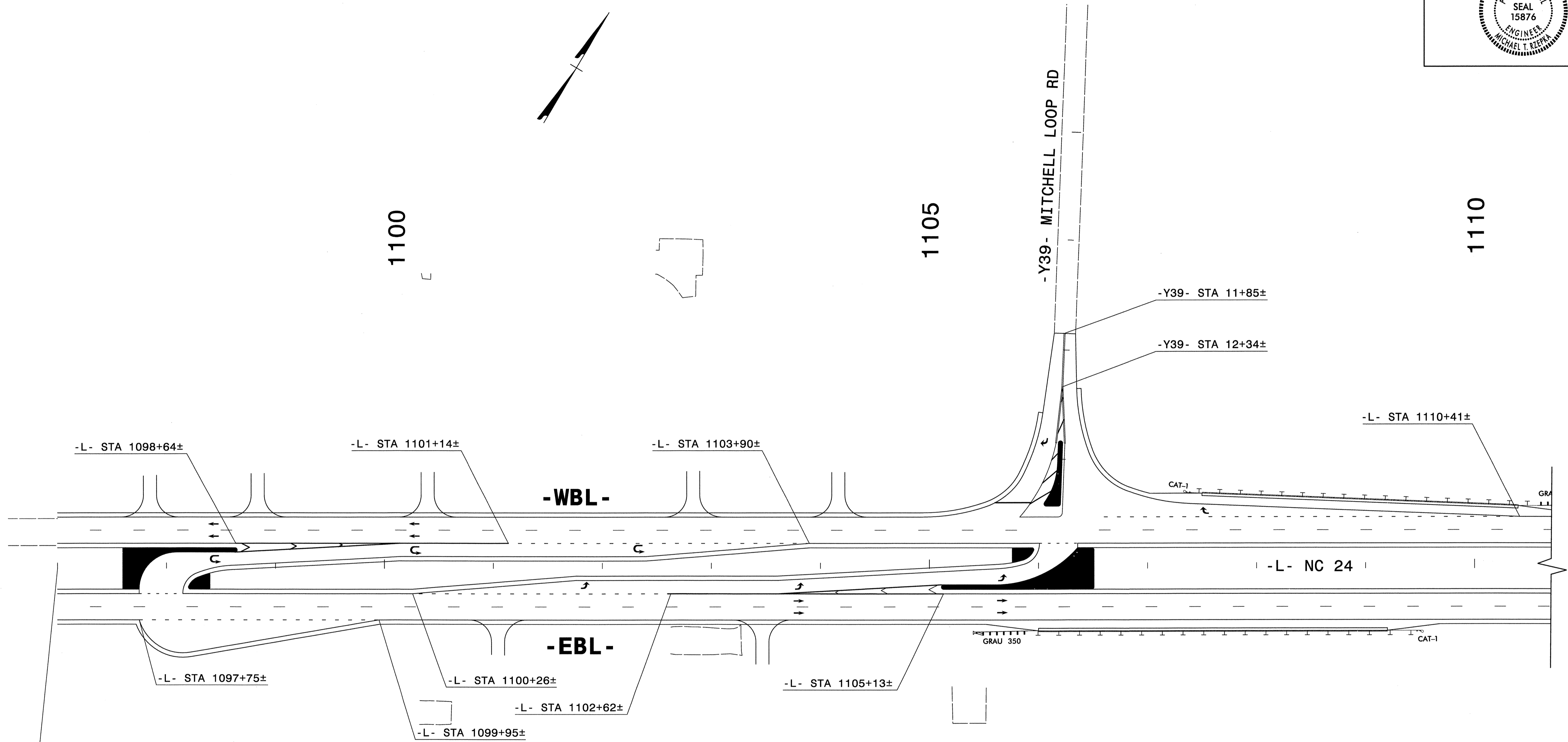
NOTE: THIS DETAIL PROVIDES TYPICAL PAVEMENT MARKINGS AT NON-SIGNALIZED INTERSECTIONS. SEE SHEETS PMP-3 THRU PMP-8 FOR SPECIFIC INTERSECTION LAYOUTS.

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**PAVEMENT MARKING DETAIL-
 INTERSECTION TYPICAL**

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TIP NO. R-2303D	SHEET NO. PMP-3
APPROVED: <i>Michael T. Rzepka</i>	
DATE: 4-23-13	
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-L- STA. 1097+00.00
 BEGIN MARKING PROJECT R-2303D
 TIE TO R-2303C

NOTE: SEE SHEET PMP-2 FOR MORE INFORMATION ON INTERSECTION PAVEMENT MARKING LAYOUT

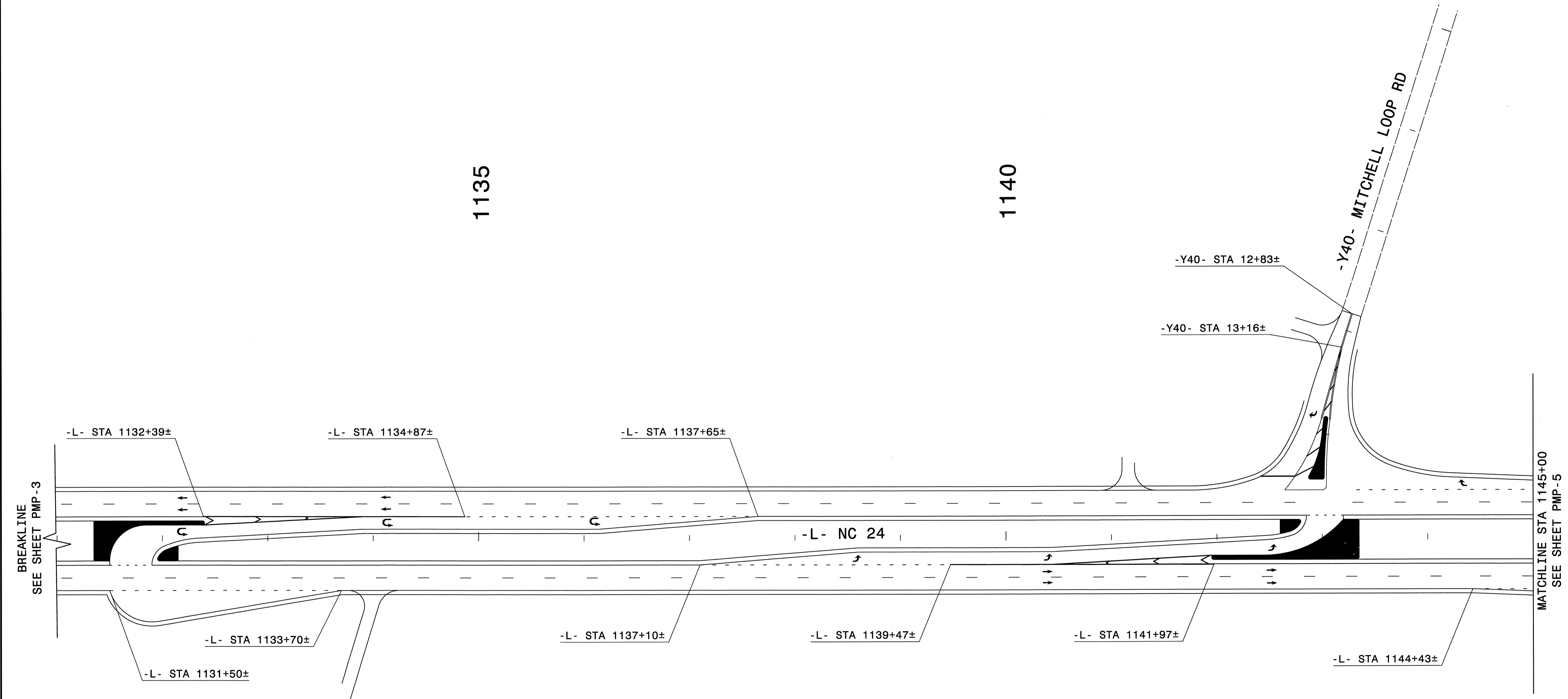
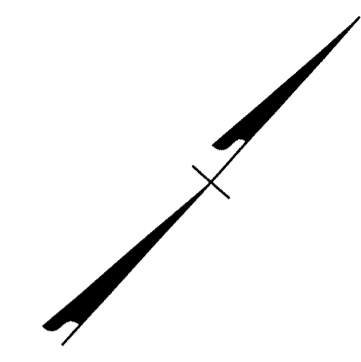


PAVEMENT MARKING DETAIL

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BREAKLINE
 SEE SHEET PMP-4

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BREAKLINE
SEE SHEET PMP-3

MATCHLINE STA 1145+00
SEE SHEET PMP-5

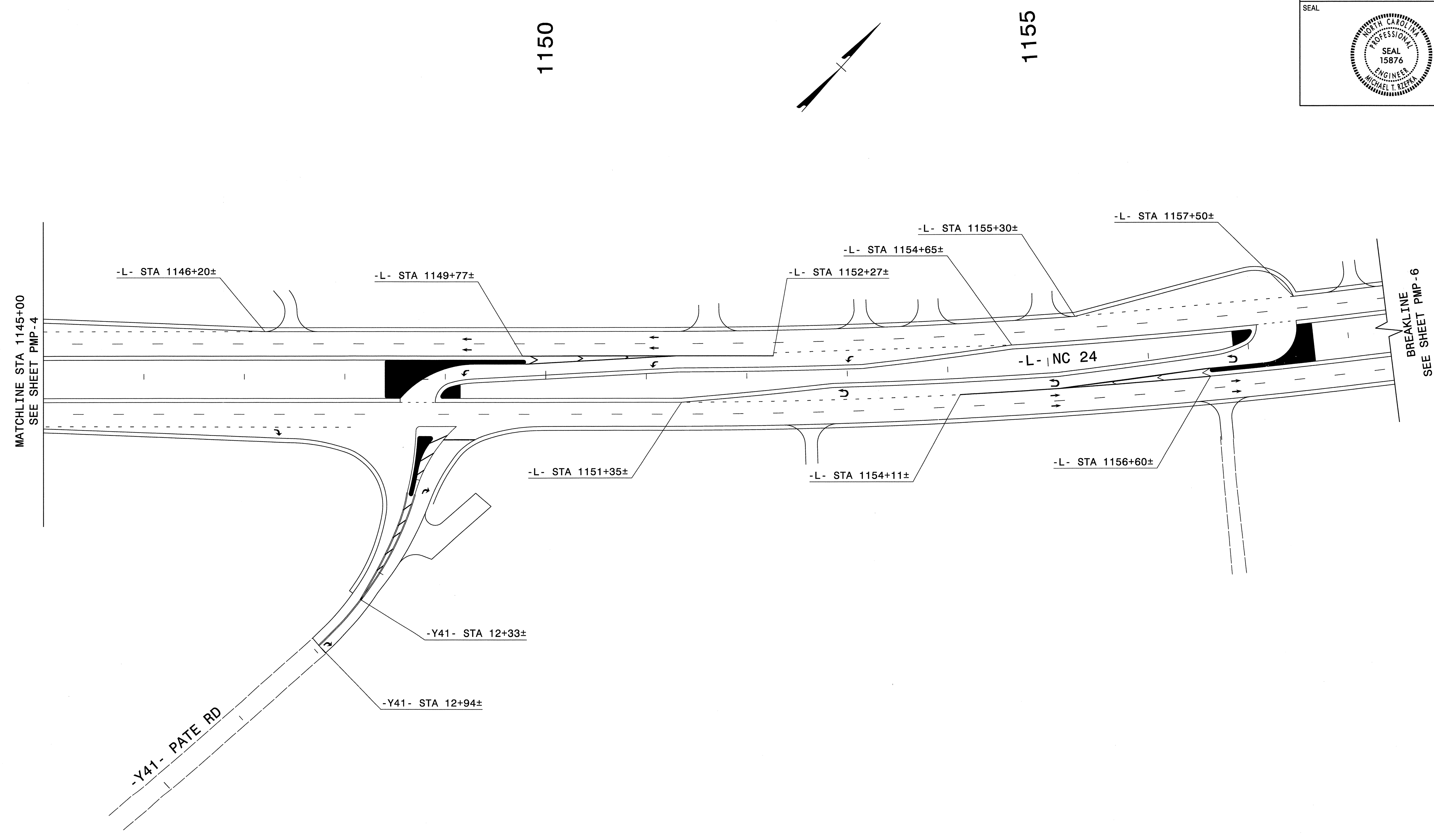
NOTE: SEE SHEET PMP-2 FOR MORE INFORMATION ON INTERSECTION PAVEMENT MARKING LAYOUT

PAVEMENT MARKING DETAIL

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TIP NO. R-2303D	SHEET NO. PMP-5
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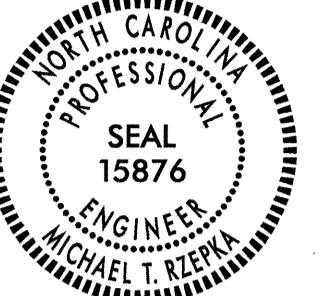


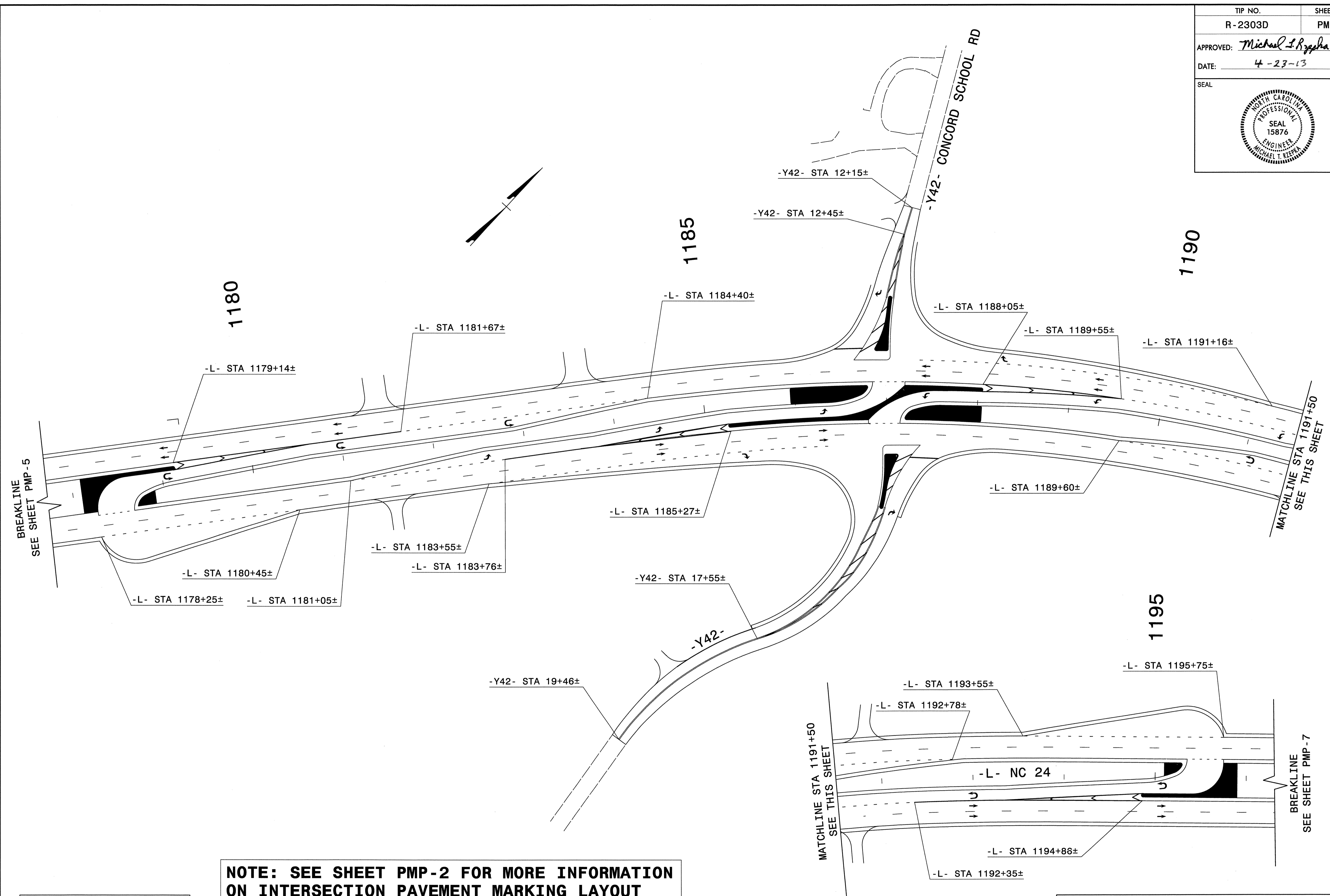
NOTE: SEE SHEET PMP-2 FOR MORE INFORMATION ON INTERSECTION PAVEMENT MARKING LAYOUT

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PAVEMENT MARKING DETAIL

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TIP NO. R-2303D	SHEET NO. PMP-6
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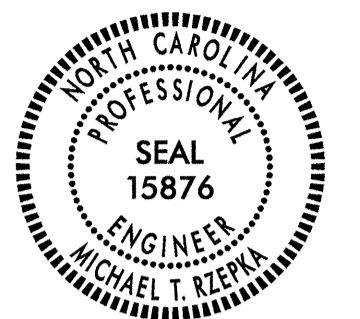


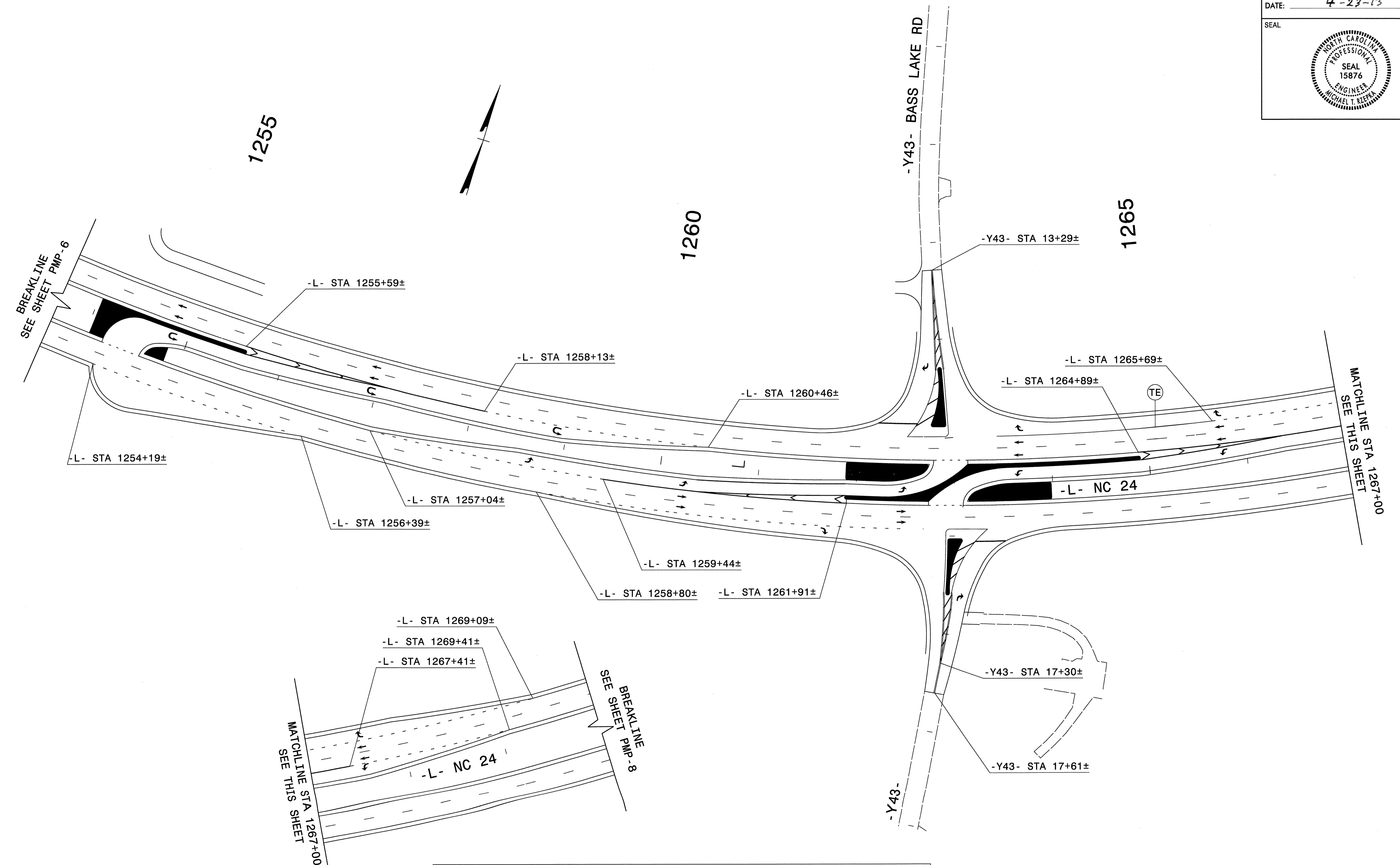
NOTE: SEE SHEET PMP-2 FOR MORE INFORMATION ON INTERSECTION PAVEMENT MARKING LAYOUT



PAVEMENT MARKING DETAIL

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TIP NO. R-2303D	SHEET NO. PMP-7
APPROVED: <i>Michael T. Rzepka</i>	
DATE: 4-23-13	
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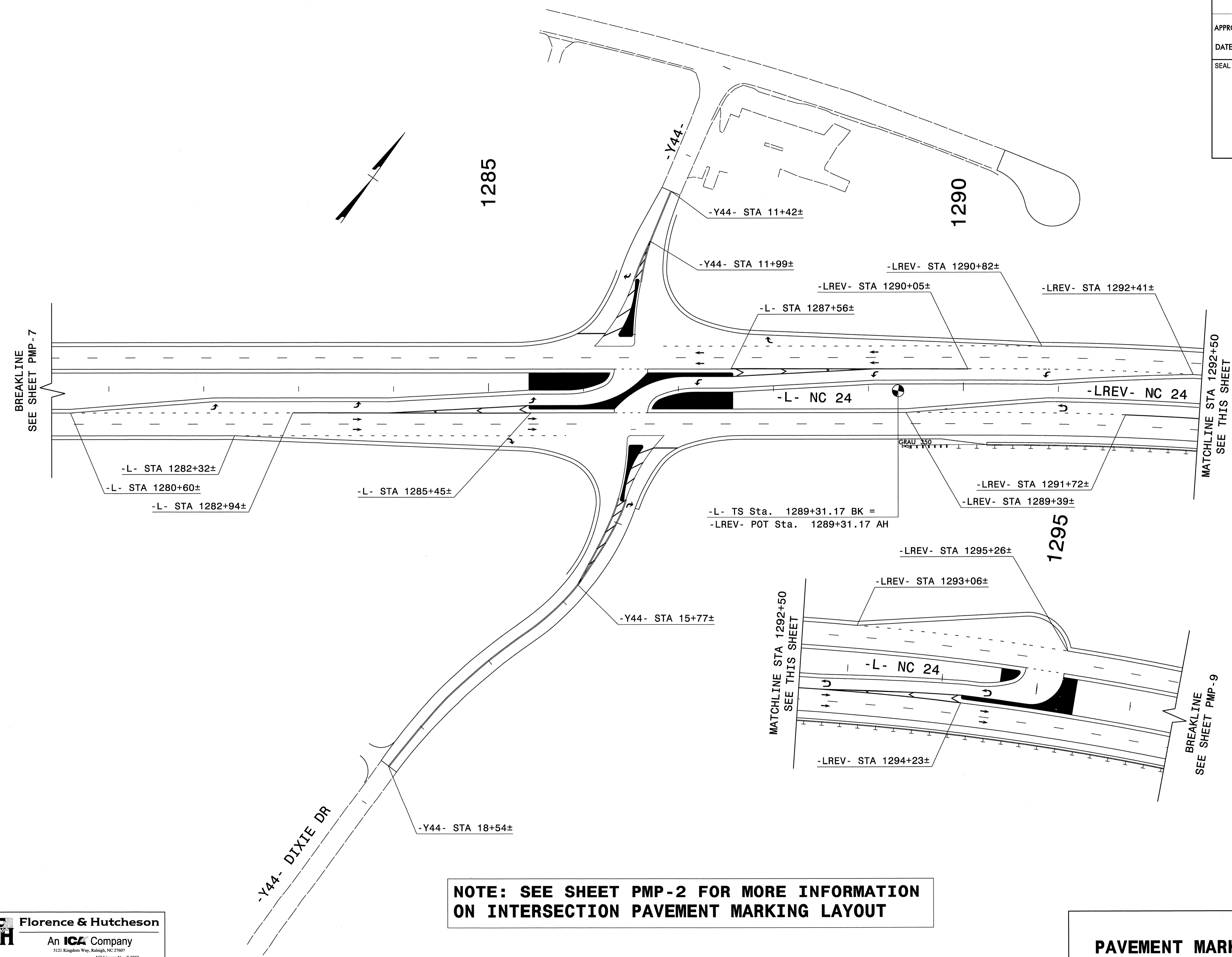
NOTE: SEE SHEET PMP-2 FOR MORE INFORMATION ON INTERSECTION PAVEMENT MARKING LAYOUT

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PAVEMENT MARKING DETAIL


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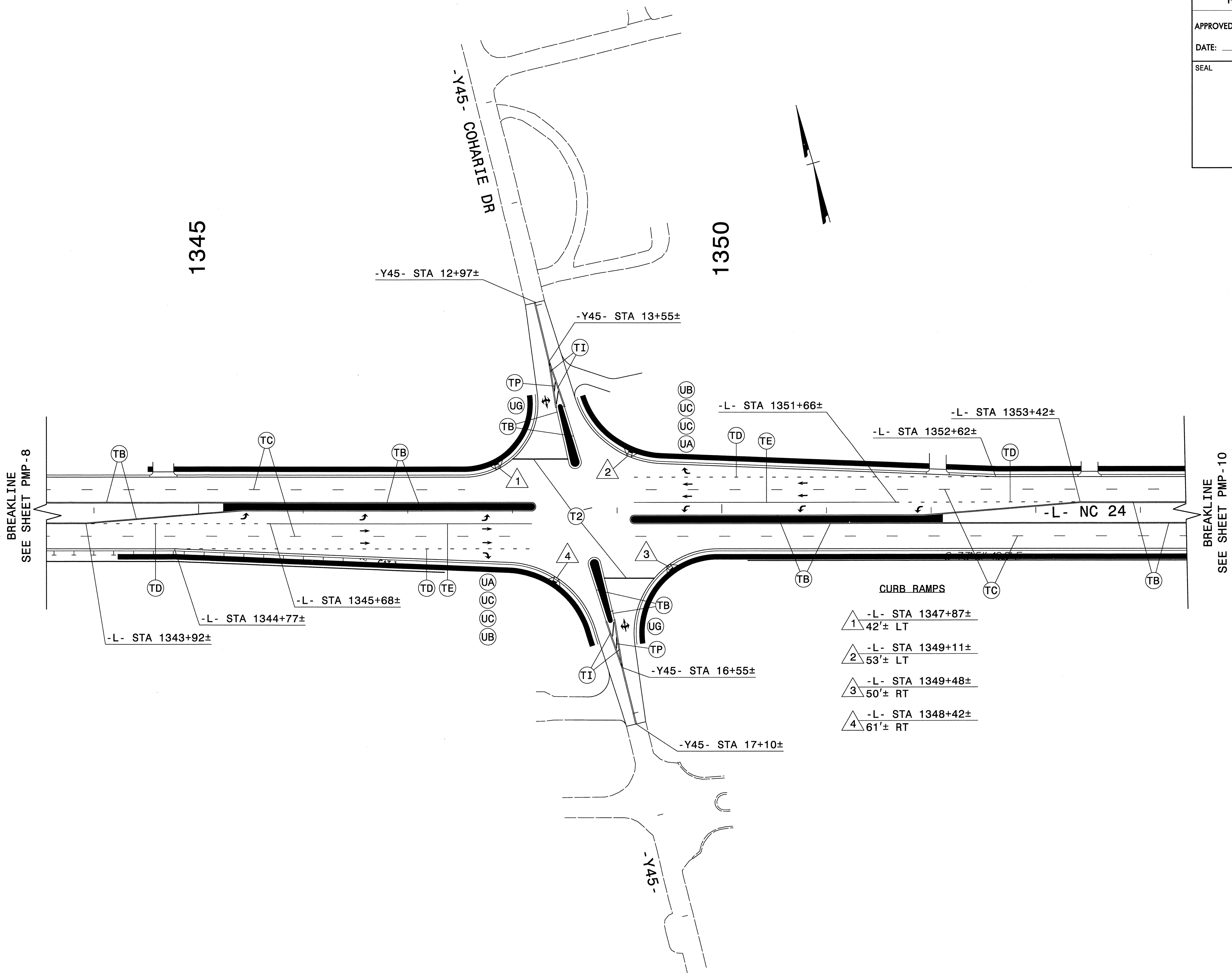
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DATE: 4-23-13	
SEAL	
	



NOTE: SEE SHEET PMP-2 FOR MORE INFORMATION ON INTERSECTION PAVEMENT MARKING LAYOUT

PAVEMENT MARKING DETAIL

TIP NO. R-2303D	SHEET NO. PMP-9
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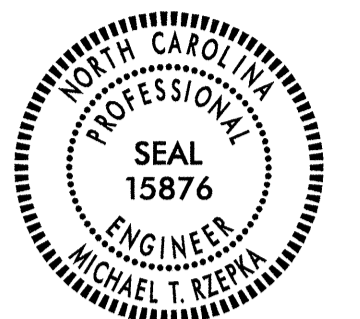


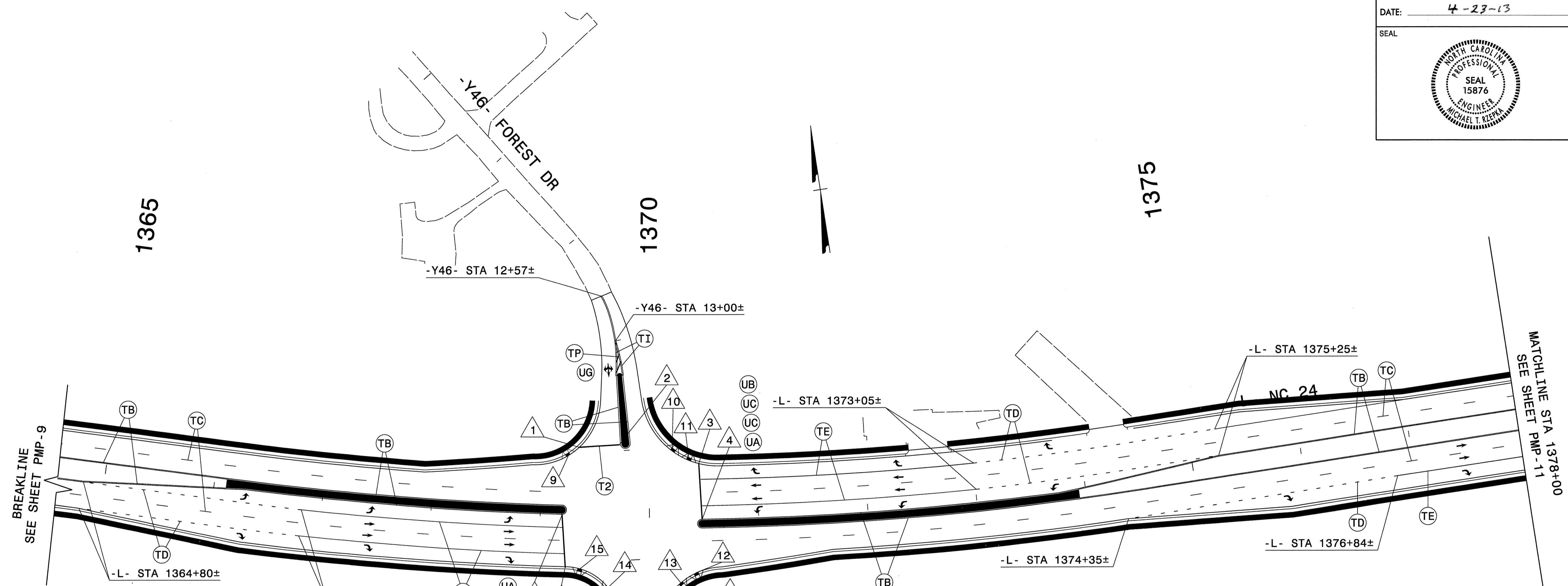
- CURB RAMP**
- 1 -L- STA 1347+87±
42'± LT
 - 2 -L- STA 1349+11±
53'± LT
 - 3 -L- STA 1349+48±
50'± RT
 - 4 -L- STA 1348+42±
61'± RT

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PAVEMENT MARKING DETAIL

TIP NO. R-2303D	SHEET NO. PMP-10
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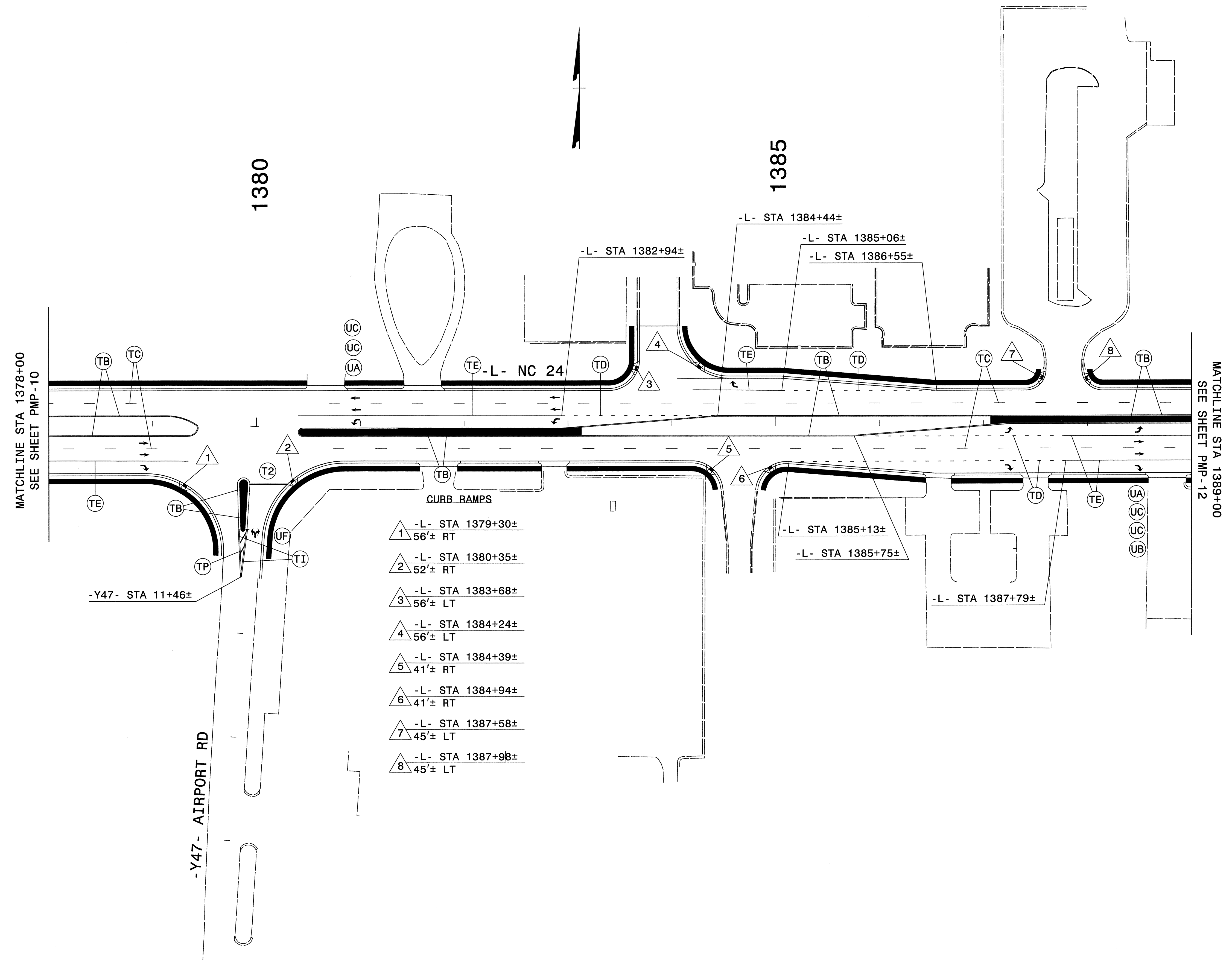
STOP BARS		CURB RAMPS	
△ 1	-Y46- STA 13+92± 37'± RT	△ 9	-L- STA 1369+24± 55'± LT
△ 2	-Y46- STA 13+94± 4'± RT	△ 10	-L- STA 1370+21± 60'± LT
△ 3	-L- STA 1370+46± 48'± LT	△ 11	-L- STA 1370+36± 51'± LT
△ 4	-L- STA 1370+48± 2'± RT	△ 12	-L- STA 1370+43± 51'± RT
△ 5	-Y46- STA 15+33± 34'± RT	△ 13	-L- STA 1370+29± 61'± RT
△ 6	-Y46- STA 15+33± 0'± RT	△ 14	-L- STA 1369+64± 65± RT
△ 7	-L- STA 1369+24± 46'± RT	△ 15	-L- STA 1369+33± 47'± RT
△ 8	-L- STA 1369+20± 2'± LT		

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PAVEMENT MARKING DETAIL

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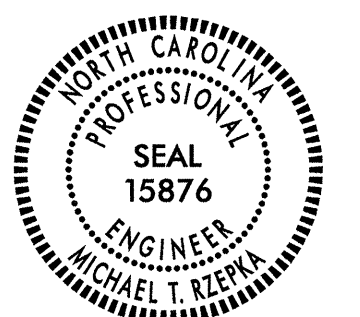


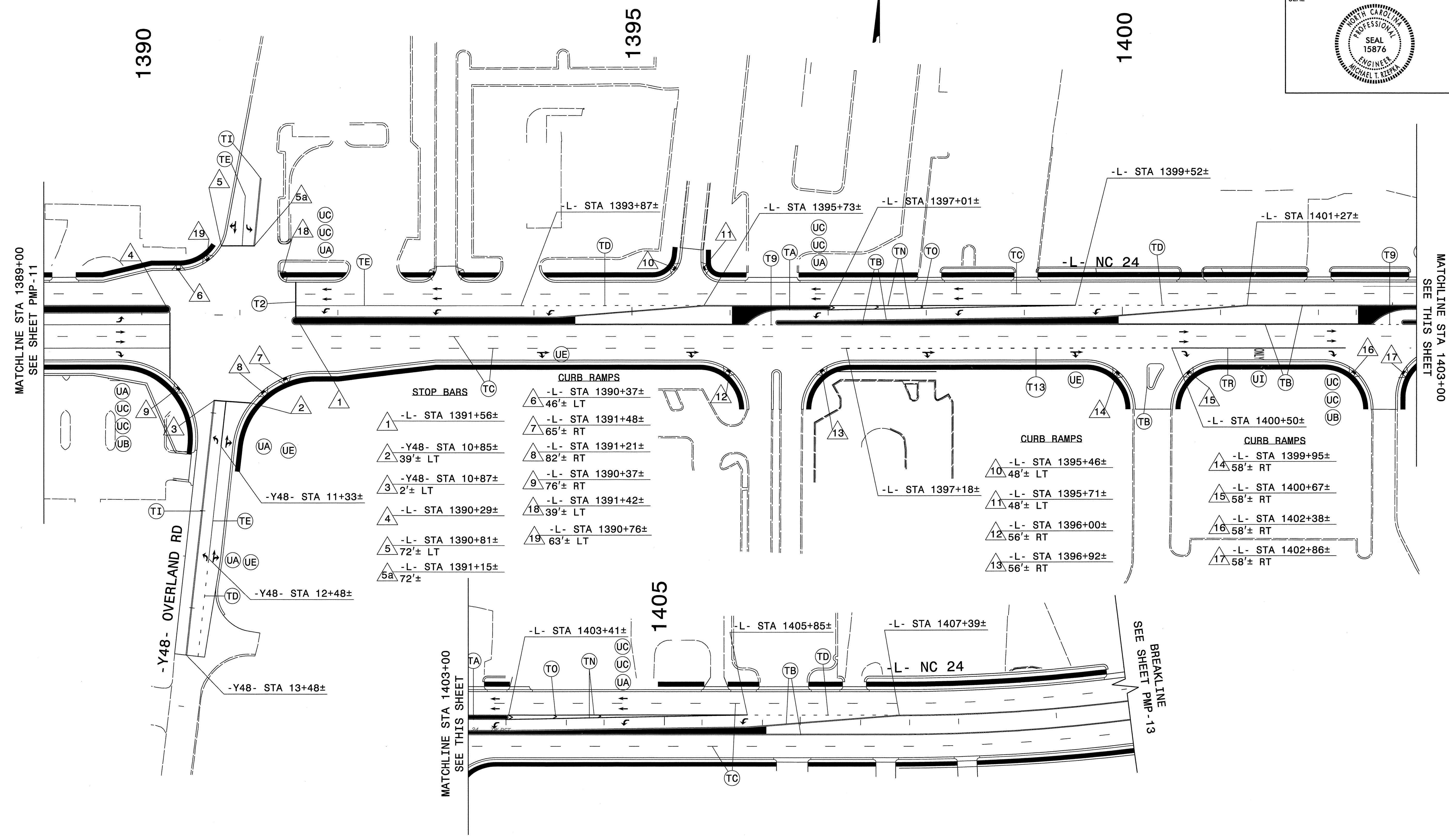
- CURB RAMP**
- 1 -L- STA 1379+30±
56'± RT
 - 2 -L- STA 1380+35±
52'± RT
 - 3 -L- STA 1383+68±
56'± LT
 - 4 -L- STA 1384+24±
56'± LT
 - 5 -L- STA 1384+39±
41'± RT
 - 6 -L- STA 1384+94±
41'± RT
 - 7 -L- STA 1387+58±
45'± LT
 - 8 -L- STA 1387+98±
45'± LT

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PAVEMENT MARKING DETAIL

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TIP NO. R-2303D	SHEET NO. PMP-12
APPROVED: <i>Michael T. Rzeznika</i>	
DATE: 4-23-13	
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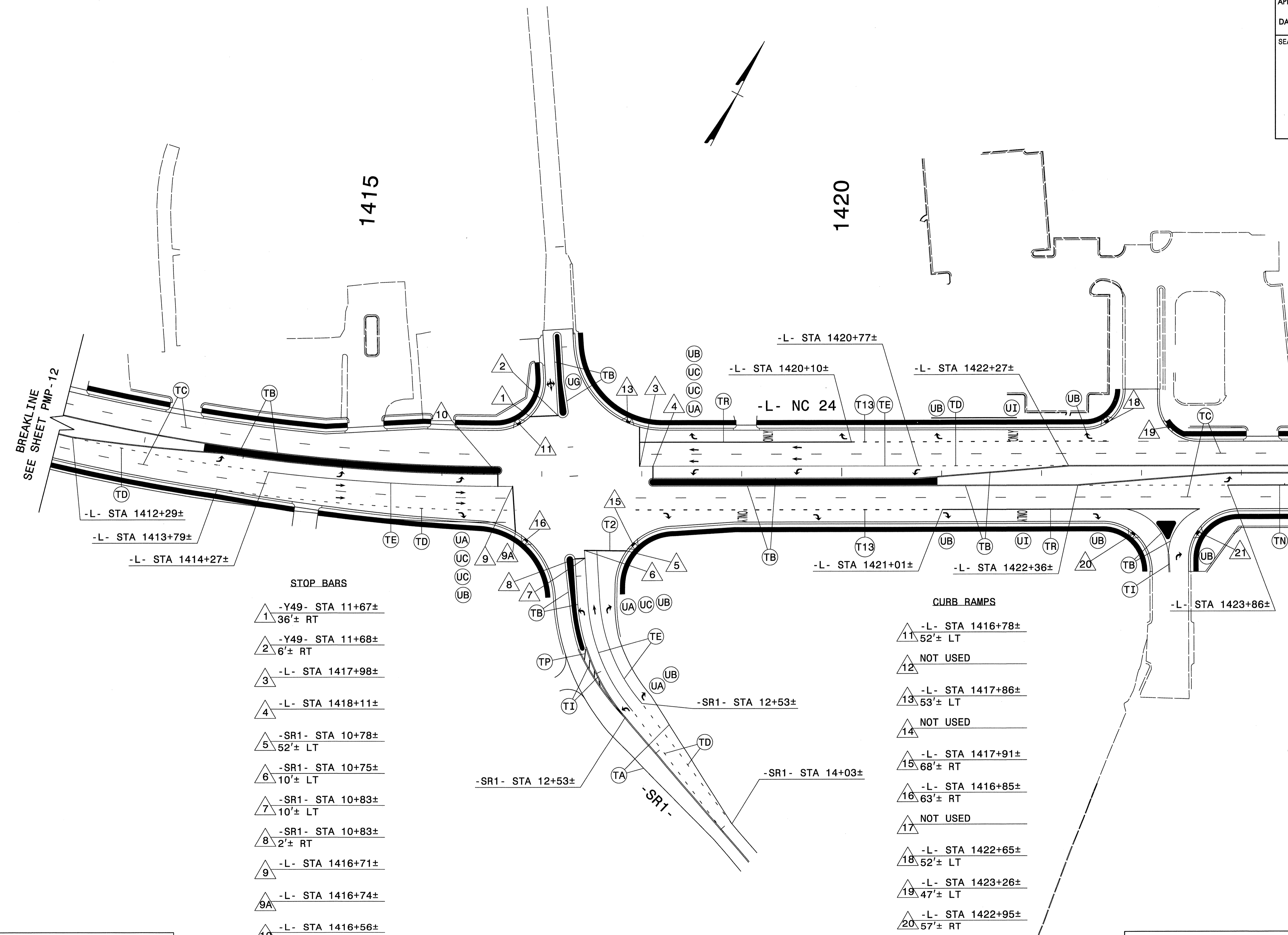
- STOP BARS**
- 1 -L- STA 1391+56±
 - 2 -Y48- STA 10+85±
39'± LT
 - 3 -Y48- STA 10+87±
2'± LT
 - 4 -L- STA 1390+29±
 - 5 -L- STA 1390+81±
72'± LT
 - 5a -L- STA 1391+15±
72'±

- CURB RAMPS**
- 6 -L- STA 1390+37±
46'± LT
 - 7 -L- STA 1391+48±
65'± RT
 - 8 -L- STA 1391+21±
82'± RT
 - 9 -L- STA 1390+37±
76'± RT
 - 18 -L- STA 1391+42±
39'± LT
 - 19 -L- STA 1390+76±
63'± LT

- CURB RAMPS**
- 10 -L- STA 1395+46±
48'± LT
 - 11 -L- STA 1395+71±
48'± LT
 - 12 -L- STA 1396+00±
56'± RT
 - 13 -L- STA 1396+92±
56'± RT

- CURB RAMPS**
- 14 -L- STA 1399+95±
58'± RT
 - 15 -L- STA 1400+67±
58'± RT
 - 16 -L- STA 1402+38±
58'± RT
 - 17 -L- STA 1402+86±
58'± RT

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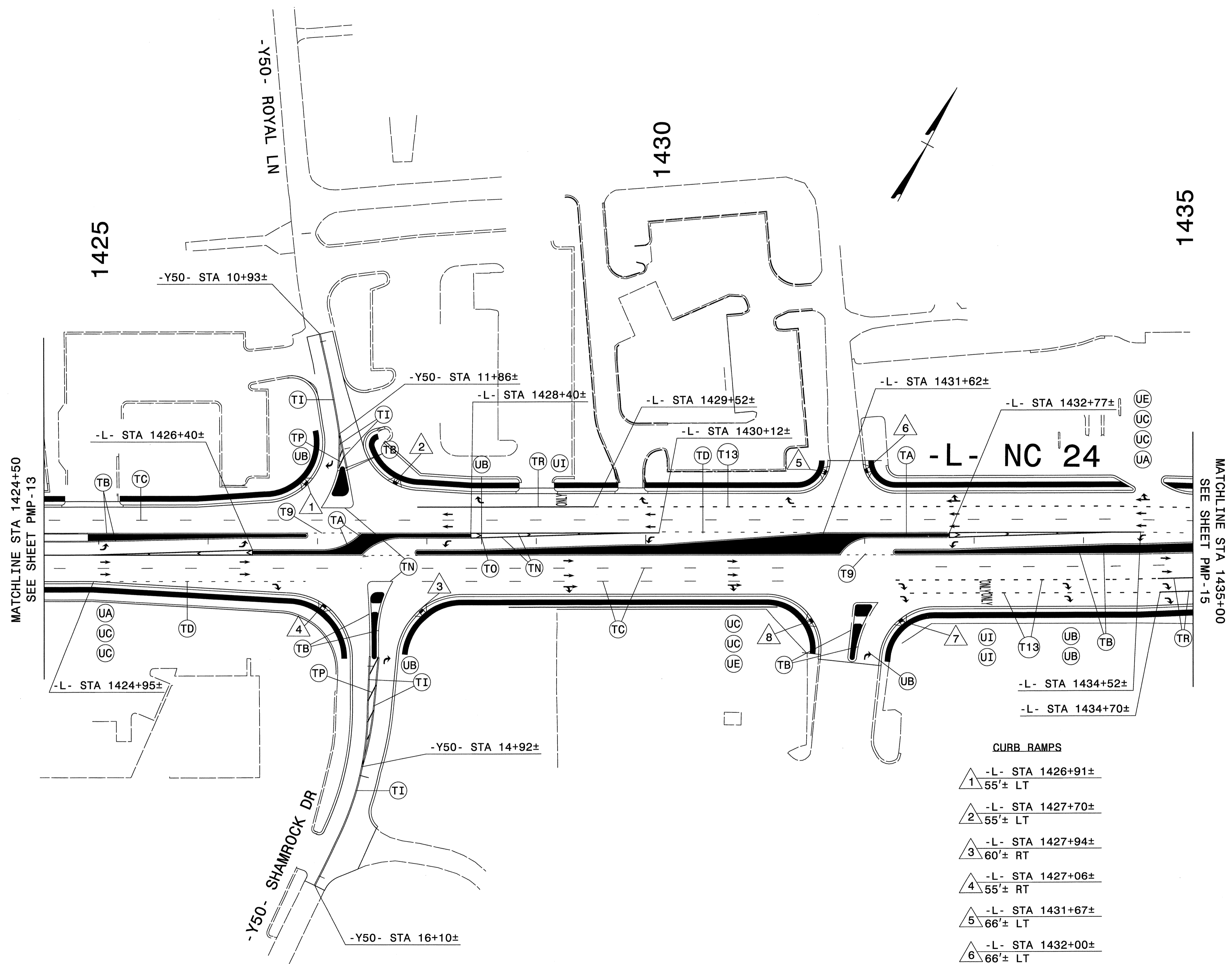


- STOP BARS**
- 1 -Y49- STA 11+67±
36'± RT
 - 2 -Y49- STA 11+68±
6'± RT
 - 3 -L- STA 1417+98±
 - 4 -L- STA 1418+11±
 - 5 -SR1- STA 10+78±
52'± LT
 - 6 -SR1- STA 10+75±
10'± LT
 - 7 -SR1- STA 10+83±
10'± LT
 - 8 -SR1- STA 10+83±
2'± RT
 - 9 -L- STA 1416+71±
 - 9A -L- STA 1416+74±
 - 10 -L- STA 1416+56±

- CURB RAMPS**
- 11 -L- STA 1416+78±
52'± LT
 - 12 NOT USED
 - 13 -L- STA 1417+86±
53'± LT
 - 14 NOT USED
 - 15 -L- STA 1417+91±
68'± RT
 - 16 -L- STA 1416+85±
63'± RT
 - 17 NOT USED
 - 18 -L- STA 1422+65±
52'± LT
 - 19 -L- STA 1423+26±
47'± LT
 - 20 -L- STA 1422+95±
57'± RT
 - 21 -L- STA 1423+59±
57'± RT

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TIP NO. R-2303D	SHEET NO. PMP-14
APPROVED: <i>Michael L. Rydger</i>	
DATE: 4-23-13	
SEAL	



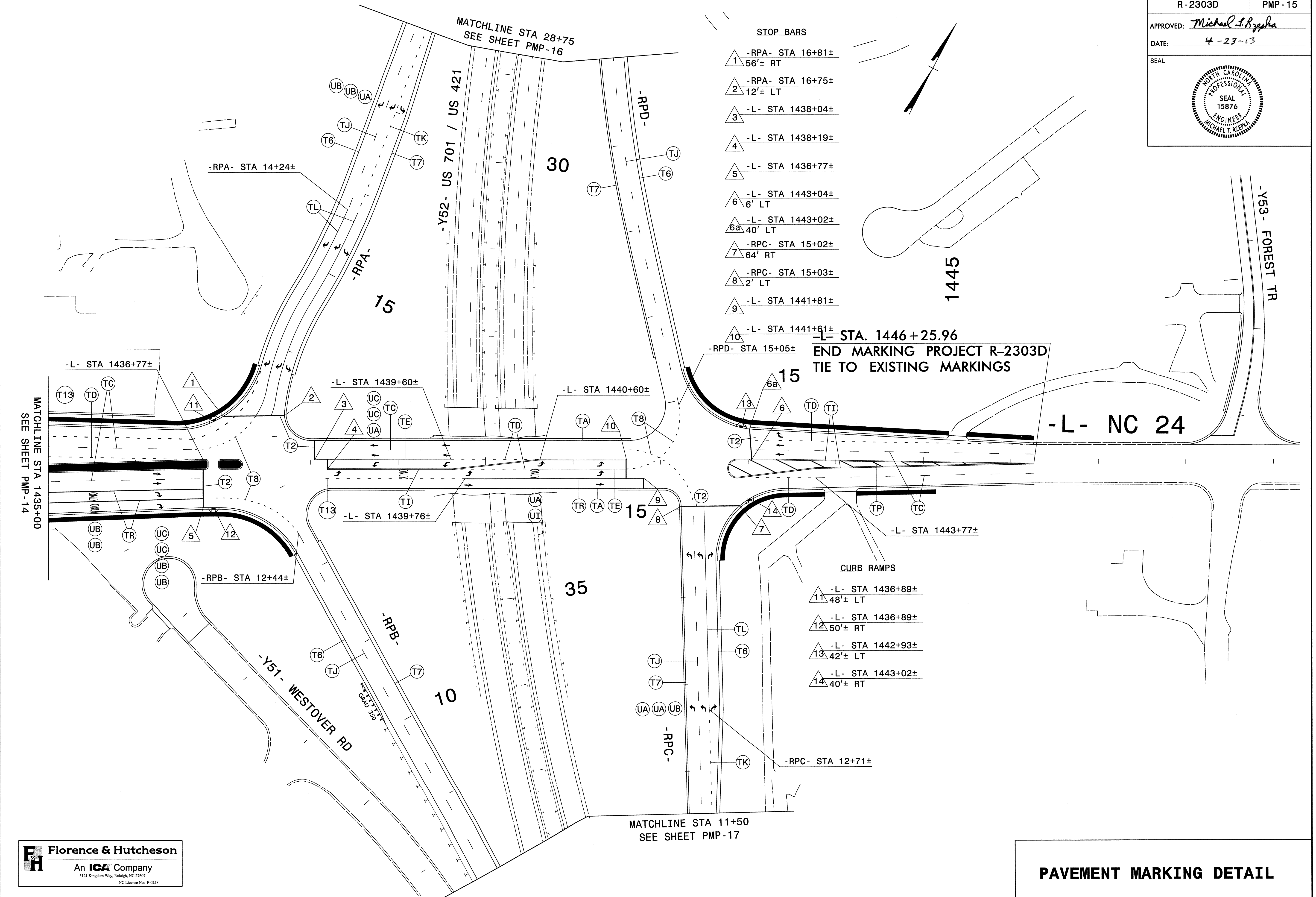
CURB RAMPS

1	-L- STA 1426+91±	55'± LT
2	-L- STA 1427+70±	55'± LT
3	-L- STA 1427+94±	60'± RT
4	-L- STA 1427+06±	55'± RT
5	-L- STA 1431+67±	66'± LT
6	-L- STA 1432+00±	66'± LT
7	-L- STA 1432+31±	70'± RT
8	-L- STA 1431+53±	70'± RT

PAVEMENT MARKING DETAIL

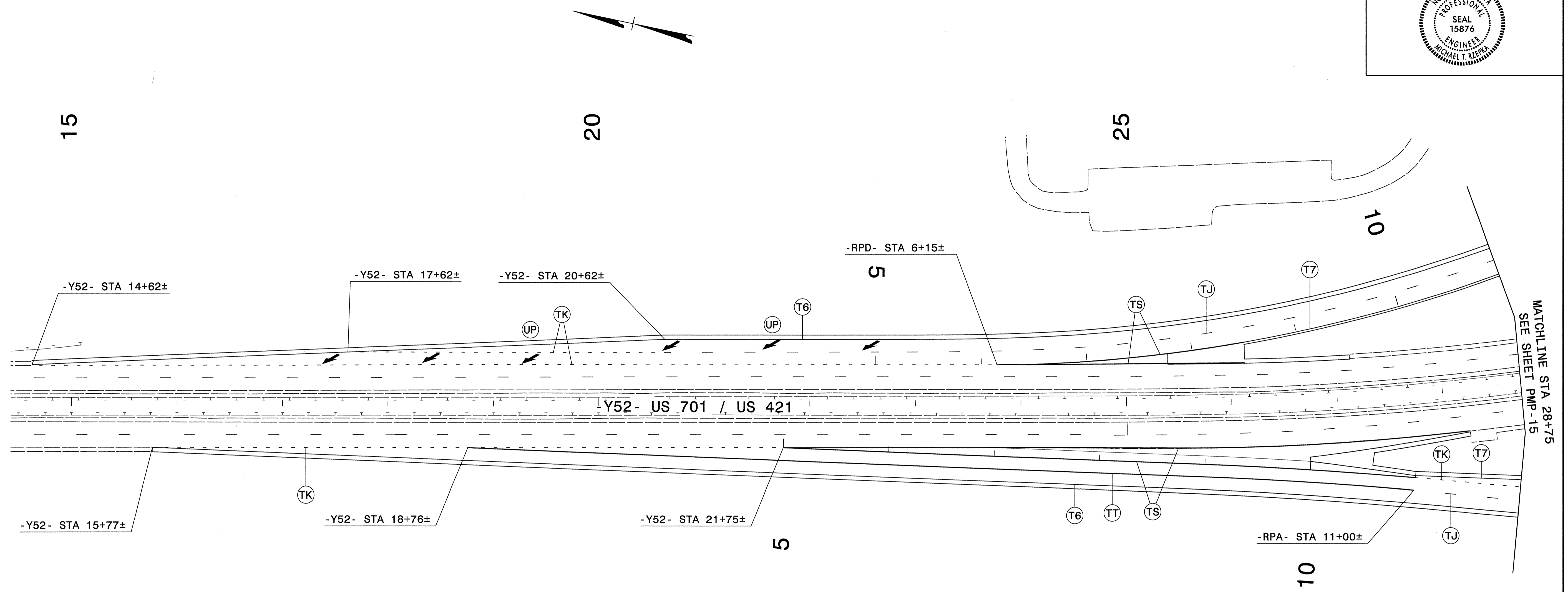
FH Florence & Hutcheson
 An ICA Company
 5121 Kingdom Way, Raleigh, NC 27607
 NC License No: F-0258

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 Florence & Hutcheson


TIP NO. R-2303D	SHEET NO. PMP-16
APPROVED: <i>Michael T. Ryngaert</i>	
DATE: 4-23-13	
SEAL	

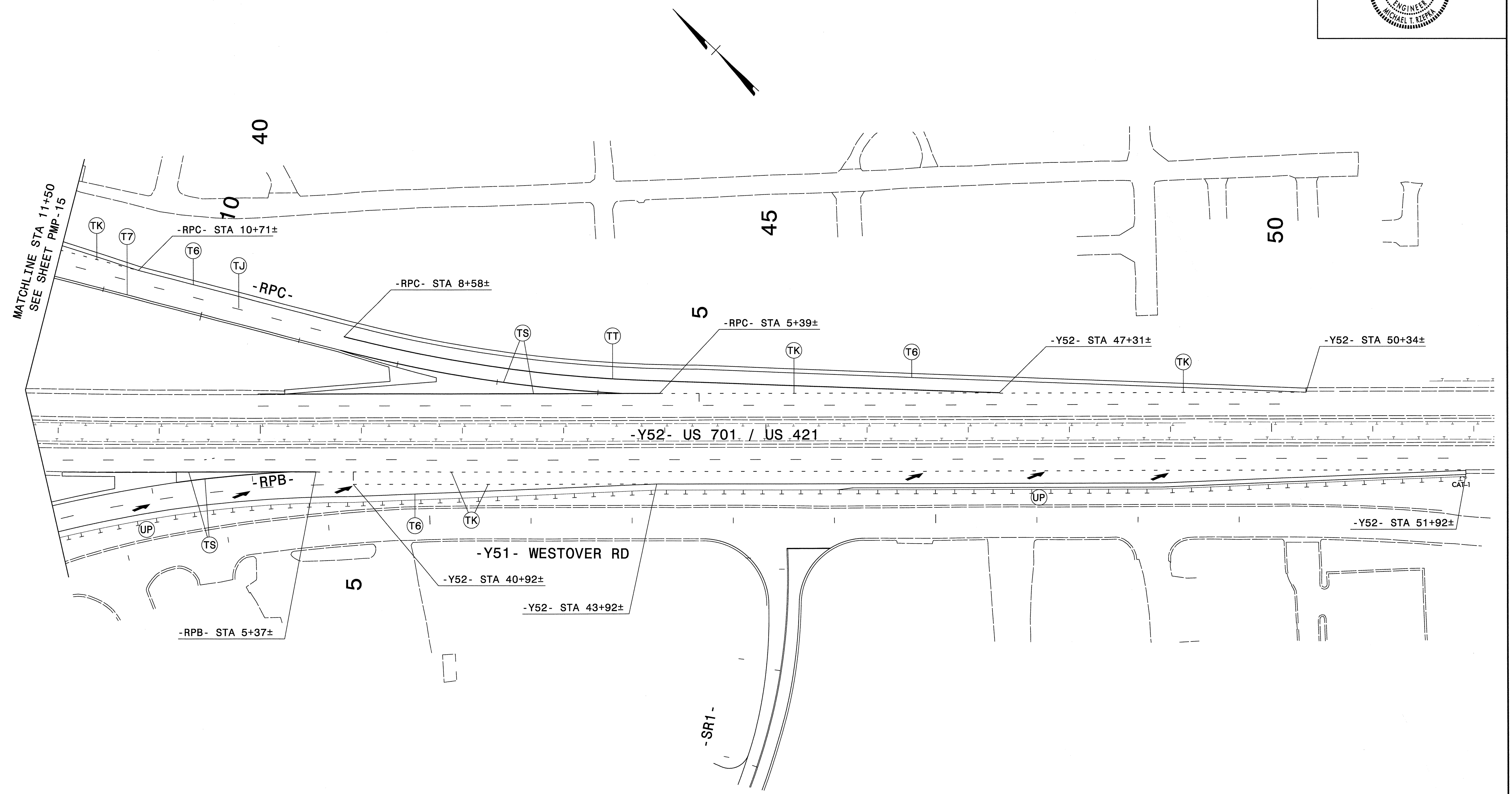


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PAVEMENT MARKING DETAIL

TIP NO. R-2303D	SHEET NO. PMP-17
APPROVED: <i>Michael T. Rzepka</i>	
DATE: 4-23-13	
SEAL	
	



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PAVEMENT MARKING DETAIL