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8/2/2021 8:42:21 AM U:\Projects\Signings\CADD\Pavement Markings\U-4405A - Revised\Plan Sheets\U-4405.pmp\_1-1B.dgn  
jhambricht

**T.I.P.: U-4405A**

**CONTRACT: C204404**

**STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLAN  
CUMBERLAND COUNTY**

TIP NO. U - 4405A	SHEET NO. PMP - 1
APPROVED: <small>—SE87B34F8743F—</small>	
DATE: 8/2/2021	
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**INDEX**

SHEET NO.	DESCRIPTION
PMP-1	PAVEMENT MARKING PLAN TITLE AND NOTES SHEET
PMP-1A	REVISED ROADWAY STANDARD DRAWING #1205.04 (SHEET 2 of 2)
PMP-1B	PAVEMENT MARKING SCHEDULE
PMP-1C	CURB RAMP TYPE AND LOCATIONS
PMP-2-12	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:
- | ROAD NAME | MARKING TYPE  | MARKER TYPE      |
|-----------|---------------|------------------|
| ALL ROADS | THERMOPLASTIC | 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 LOCATIONS AT NON-SIGNALIZED INTERSECTIONS MAY BE ADJUSTED AS DIRECTED BY THE ENGINEER.
- E) 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.
- F) UNLESS OTHERWISE SPECIFIED, HEATED-IN-PLACE THERMOPLASTIC MAY BE USED IN LIEU OF COLD APPLIED PLASTIC FOR STOP BARS, SYMBOLS, CHARACTERS AND DIAGONALS ON ASPHALT OR CONCRETE ROADWAYS. IF HEATED-IN-PLACE IS USED, IT SHALL BE PAID FOR USING THE COLD APPLIED PAY ITEM.
- G) SEE ROADWAY PLANS FOR ALTERNATE CURB RAMP DESIGNS WHEN INDICATED ON PAVEMENT MARKING DETAIL SHEETS.

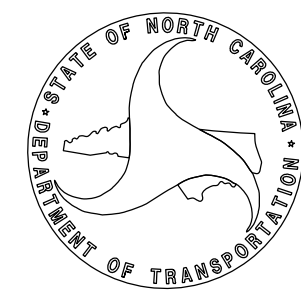
**ROADWAY STANDARD DRAWING**

THE FOLLOWING ROADWAY STANDARDS AS APPEAR IN "ROADWAY STANDARD DRAWINGS" - PROJECT SERVICES UNIT - N.C. DEPARTMENT OF TRANSPORTATION - RALEIGH, N.C., DATED JANUARY 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
1205.04	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
1205.10	PAVEMENT MARKINGS - SCHOOL AREAS
1205.15	PAVEMENT MARKINGS - SUPERSTREETS
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

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

<b>AYMAN ALQUDWAH, P.E.</b>	SIGNING & DELINEATION REGIONAL ENGINEER
<b>STACEY JOHNS</b>	SIGNING & DELINEATION PROJECT DESIGN ENGINEER



**PLAN PREPARED BY: Stantec Consulting Services, Inc.**

<b>BETSY L. WATSON, P.E.</b>	Senior Principal
<b>JAY WOOLARD, P.E.</b>	Senior Transportation Engineer
<b>JAMES HAMBRIGHT</b>	Senior Transportation Technician



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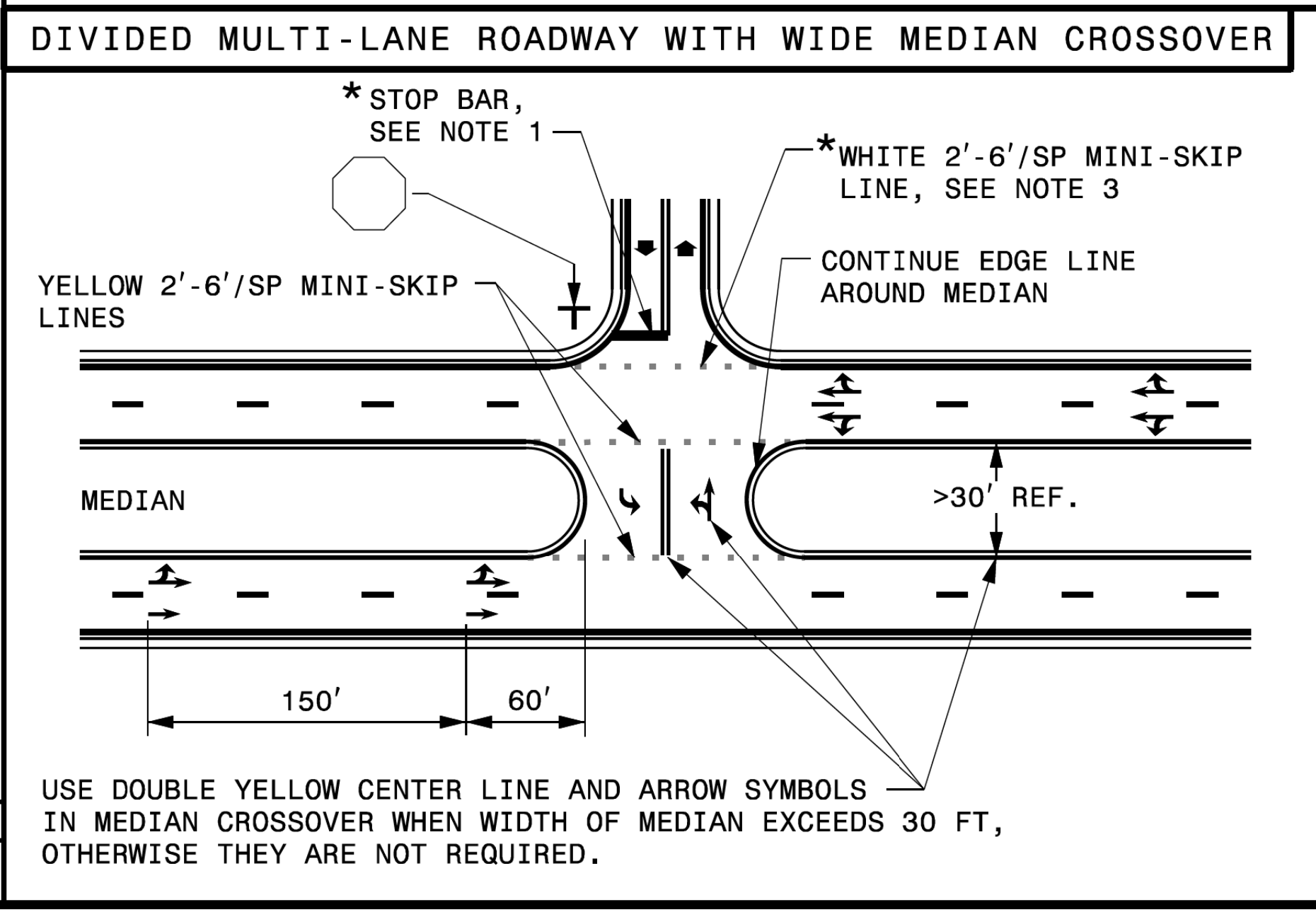
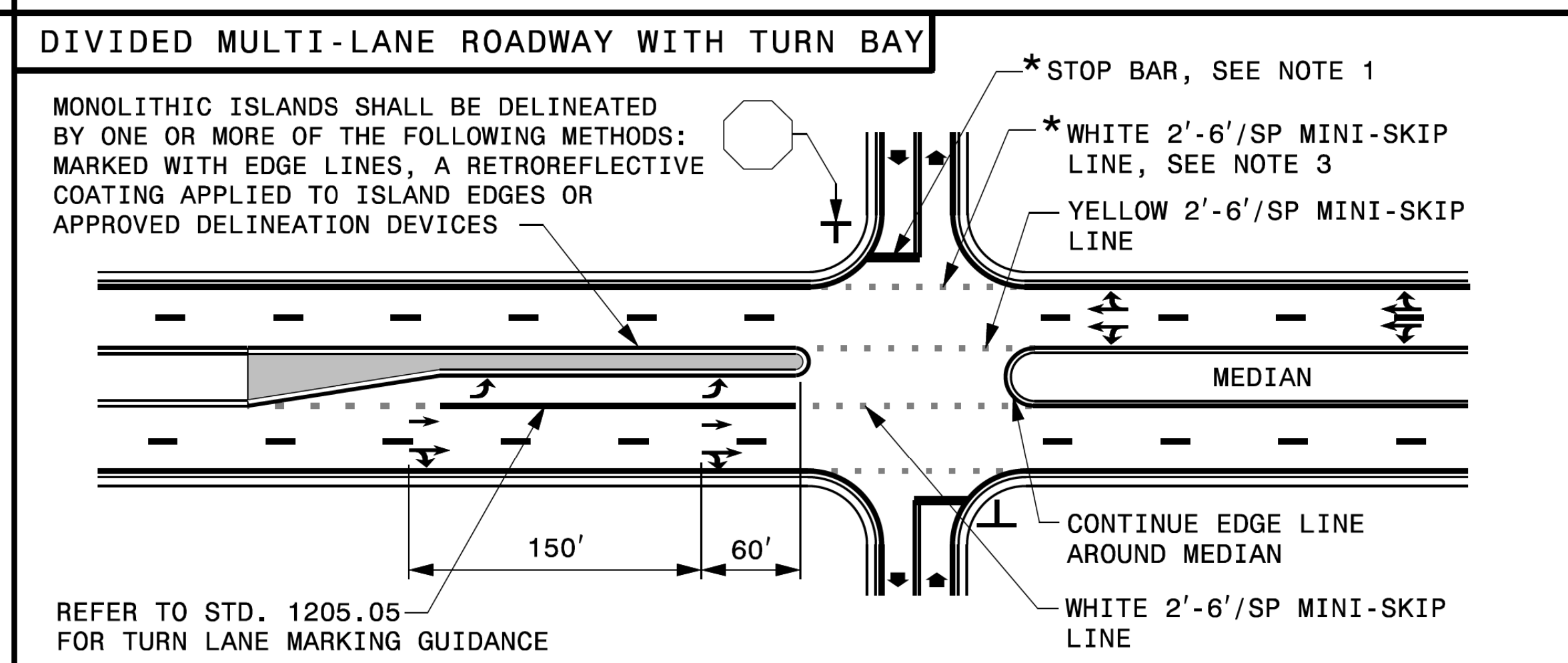
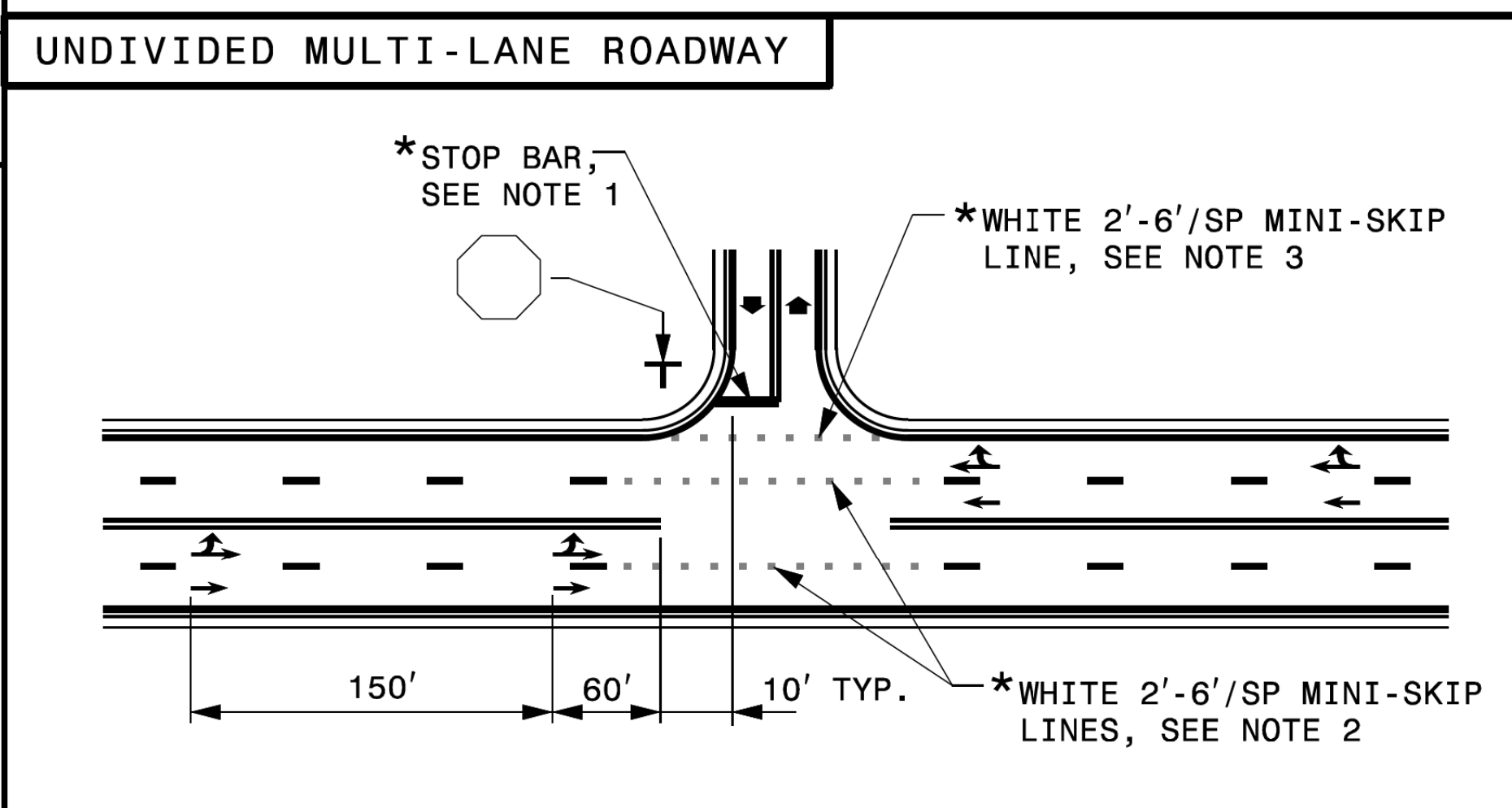
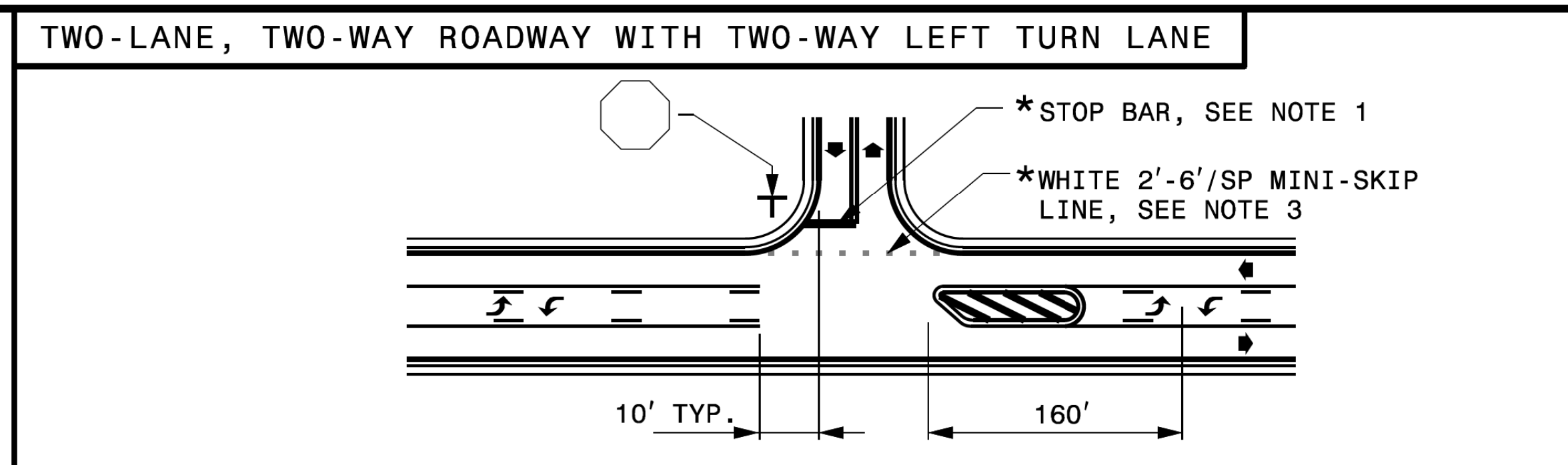
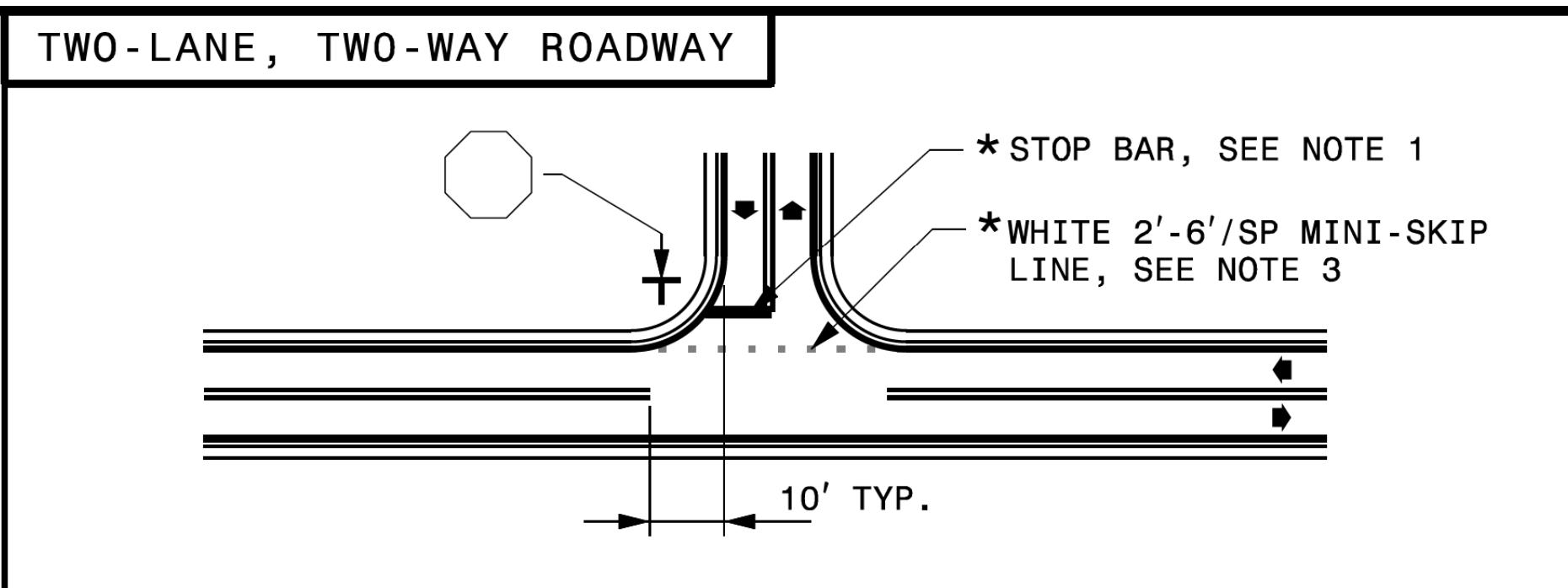


TIP NO.	SHEET NO.
U-4405	AMP - 1A
APPROVED: <i>Matthew V. Springer</i>	
DATE: 8/13/2019	
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 DEPT. OF TRANSPORTATION  
 DIVISION OF HIGHWAYS  
 RALEIGH, N.C.

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	

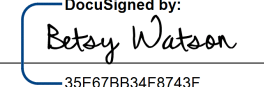

SHEET 2 OF 2  
**1205D04**

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

ENGLISH DETAIL DRAWING FOR  
**PAVEMENT MARKINGS**  
 INTERSECTIONS

SHEET 2 OF 2  
**1205D04**

**REVISED PAVEMENT MARKING ROADWAY STANDARD DRAWING**

TIP NO. U - 4405A	SHEET NO. PMP - 1B
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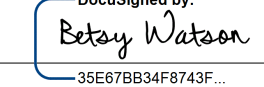

## PAVEMENT MARKING SCHEDULE

<u>THERMOPLASTIC (4", 90 MILS)</u>		
T1	WHITE EDGELINE (4", 90 MIL)	4685000000-E
T2	WHITE SOLID LANE LINE (4", 90 MIL)	4685000000-E
T3	10 FT. WHITE SKIP (4", 90 MIL)	4685000000-E
T4	3 FT. - 9 FT./SP WHITE MINISKIP (4", 90 MIL)	4685000000-E
T5	2 FT. - 6 FT./SP WHITE MINISKIP (4", 90 MIL)	4685000000-E
T10	YELLOW EDGELINE (4", 90 MIL)	4685000000-E
T11	YELLOW SINGLE CENTER (4", 90 MIL)	4685000000-E
T13	YELLOW DOUBLE CENTER (4", 90 MIL)	4685000000-E
T14	2 FT. - 6 FT./SP YELLOW MINISKIP (4", 90 MIL)	4685000000-E
<u>THERMOPLASTIC (8", 90 MILS)</u>		
T40	WHITE GORELINE (8", 90 MIL)	4695000000-E
T41	WHITE DIAGONAL (8", 90 MIL)	4695000000-E
T42	YELLOW DIAGONAL (8", 90 MIL)	4695000000-E
T43	WHITE SOLID LANE LINE (8", 90 MIL)	4695000000-E
T44	3 FT. - 9 FT./SP WHITE MINISKIP (8", 90 MIL)	4695000000-E
T46	WHITE CROSSWALK LINE (8", 90 MIL)	4695000000-E
<u>THERMOPLASTIC (24", 90 MILS)</u>		
T61	WHITE STOPBAR (24", 90 MIL)	4891000000-E
T62	WHITE CROSSWALK LINE (24", 90 MIL)	4891000000-E
<u>THERMOPLASTIC PAVEMENT MARKING SYMBOLS (90 MILS)</u>		
T70	LEFT TURN ARROW (90 MIL)	4725000000-E
T71	RIGHT TURN ARROW (90 MIL)	4725000000-E
T72	STRAIGHT ARROW (90 MIL)	4725000000-E
T73	COMBO. LEFT/STRAIGHT ARROW (90 MIL)	4725000000-E
T74	COMBO. RIGHT/STRAIGHT ARROW (90 MIL)	4725000000-E
T78	COMBO. LEFT/U-TURN ARROW (90 MIL)	4725000000-E
<u>THERMOPLASTIC PAVEMENT MARKING CHARACTER (90 MILS)</u>		
T100	ALPHANUMERIC CHAR. (90 MIL)	4720000000-E

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PAVEMENT MARKING DETAIL



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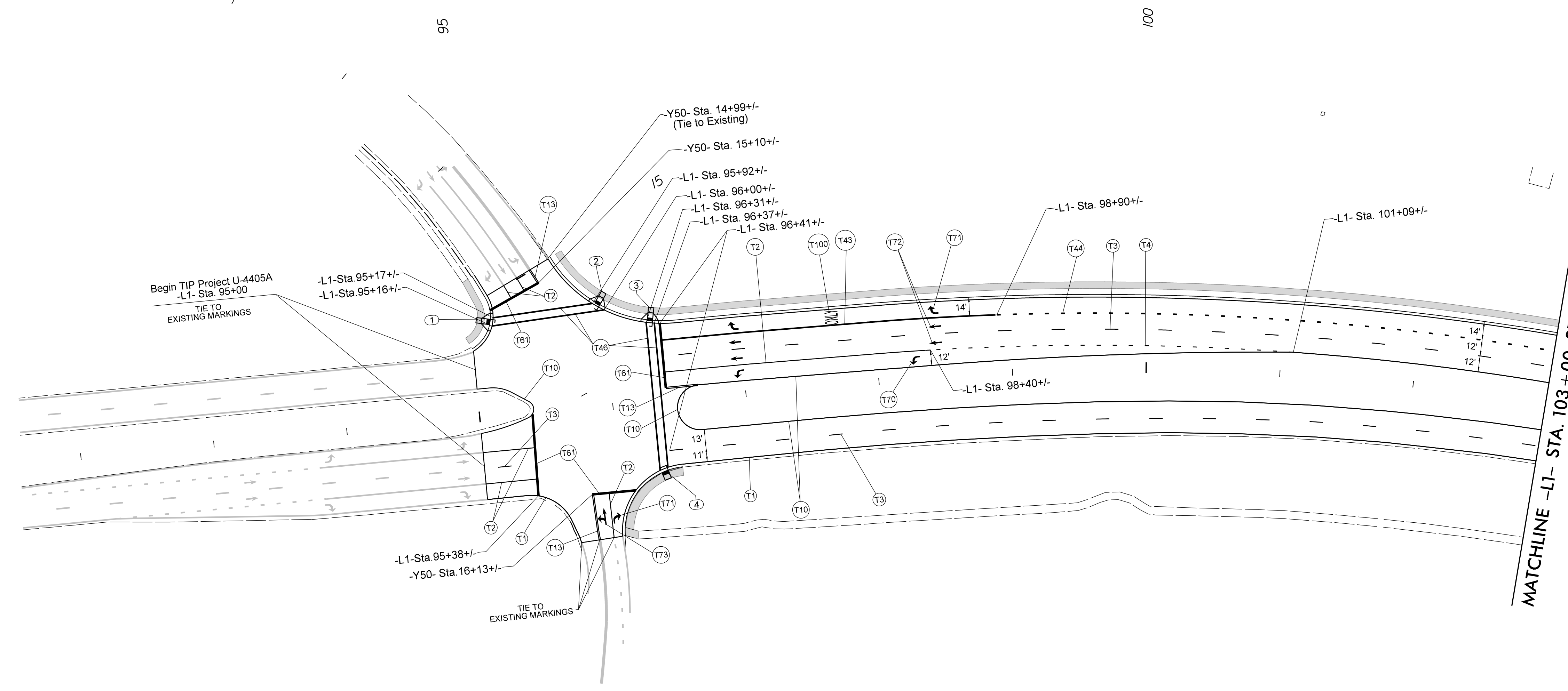
CURB RAMP NUMBER	CURB RAMP LOCATION		CURB RAMP TYPE
	STATION	OFFSET	
1	-Y50- Sta. 15+18 +/-	32.87' RT	STANDARD
2	-Y50- Sta. 15+45 +/-	44.09' LT	STANDARD
3	-L1- Sta. 96+34 +/-	64.10' LT	STANDARD
4	-L1- Sta. 96+35 +/-	49.45' RT	TYPE 2
5	-Y51- Sta. 11+62 +/-	16.17' RT	STANDARD
6	-Y51- Sta. 11+61 +/-	16.58' LT	STANDARD
7	-Y52- Sta. 11+43 +/-	25.99' RT	STANDARD
8	-Y52- Sta. 11+46 +/-	20.85' LT	STANDARD
9	-Y53- Sta. 12+33 +/-	25.86' RT	STANDARD
10	-Y53- Sta. 12+33 +/-	26.19' LT	STANDARD
11	-Y1- Sta. 14+62 +/-	44.66' RT	STANDARD
12	-Y1- Sta. 14+63 +/-	43.35' LT	STANDARD
13	-Y2- Sta. 10+88 +/-	21.67' RT	STANDARD
14	-Y2- Sta. 10+88 +/-	23.60' LT	STANDARD
15	-L- Sta. 25+37 +/-	62.77' LT	STANDARD
16	-L- Sta. 25+73 +/-	62.45' LT	STANDARD
17	-L- Sta. 28+86 +/-	94.95' LT	STANDARD
18	-L- Sta. 29+23 +/-	94.95' LT	STANDARD
19	-L- Sta. 31+65 +/-	70.06' LT	STANDARD
20	-L- Sta. 32+31 +/-	68.66' LT	TYPE 4A
21	-L- Sta. 32+36 +/-	64.33' LT	
22	-L- Sta. 32+36 +/-	12.90' LT	STANDARD
23	-L- Sta. 32+36 +/-	12.90' RT	STANDARD
24	-L- Sta. 32+36 +/-	40.50' RT	TYPE 3
25	-L- Sta. 35+97 +/-	62.66' LT	STANDARD
26	-L- Sta. 36+41 +/-	62.47' LT	STANDARD
27	-L- Sta. 39+41 +/-	59.88' LT	STANDARD
28	-L- Sta. 39+89 +/-	59.43' LT	STANDARD
29	-L- Sta. 41+63 +/-	59.43' LT	STANDARD
30	-L- Sta. 42+08 +/-	59.43' LT	STANDARD
31	-L- Sta. 44+72 +/-	57.28' RT	STANDARD
32	-L- Sta. 44+73 +/-	2.75' RT	MEDIAN CUT
33	-L- Sta. 44+73 +/-	13.75' LT	MEDIAN CUT
34	-L- Sta. 44+73 +/-	40.58' LT	STANDARD
35	-Y4- Sta. 17+89 +/-	37.23' RT	STANDARD
36	-Y4- Sta. 17+82 +/-	44.24' LT	STANDARD
37	-L- Sta. 45+95 +/-	54.57' LT	STANDARD
38	-L- Sta. 45+94 +/-	2.75' LT	MEDIAN CUT
39	-L- Sta. 45+94 +/-	13.75' RT	MEDIAN CUT
40	-L- Sta. 45+95 +/-	55.29' RT	STANDARD
41	-Y4- Sta. 19+11 +/-	48.66' LT	STANDARD
42	-Y4- Sta. 19+18 +/-	45.06' RT	STANDARD
43	-L- Sta. 48+12 +/-	59.73' RT	STANDARD
44	-L- Sta. 48+77 +/-	60.00' RT	STANDARD
45	-L- Sta. 49+53 +/-	59.54' LT	STANDARD
46	-L- Sta. 49+92 +/-	59.69' LT	STANDARD
47	-L- Sta. 50+67 +/-	60.02' RT	STANDARD
48	-L- Sta. 51+38 +/-	60.09' RT	STANDARD
49	-L- Sta. 56+61 +/-	59.26' LT	STANDARD
50	-L- Sta. 57+07 +/-	59.61' LT	STANDARD
51	-L- Sta. 56+97 +/-	59.73' RT	STANDARD
52	-L- Sta. 57+74 +/-	59.71' RT	STANDARD
53	-L- Sta. 64+86 +/-	59.30' RT	STANDARD
54	-L- Sta. 65+15 +/-	59.20' RT	STANDARD
55	-L- Sta. 66+17 +/-	59.17' RT	STANDARD
56	-L- Sta. 66+62 +/-	59.03' RT	STANDARD
57	-L- Sta. 66+66 +/-	85.47' LT	TYPE 2
58	-L- Sta. 67+08 +/-	84.01' LT	TYPE 2
59	-L- Sta. 66+94 +/-	60.42' RT	STANDARD

CURB RAMP NUMBER	CURB RAMP LOCATION		CURB RAMP TYPE
	STATION	OFFSET	
60	-L- Sta. 67+26 +/-	56.49' RT	TYPE 1
61	-L- Sta. 68+40 +/-	56.50' RT	TYPE 1
62	-L- Sta. 69+08 +/-	56.50' RT	TYPE 1
63	-L- Sta. 72+06 +/-	67.50' RT	TYPE 1
64	-L- Sta. 72+68 +/-	67.50' RT	TYPE 1
65	-L- Sta. 75+63 +/-	62.67' RT	STANDARD
66	-L- Sta. 75+64 +/-	2.75' RT	MEDIAN CUT
67	-L- Sta. 75+64 +/-	13.75' LT	MEDIAN CUT
68	-L- Sta. 75+64 +/-	49.76' LT	STANDARD
69	-Y5- Sta. 20+39 +/-	45.06' RT	STANDARD
70	-Y5- Sta. 20+39 +/-	53.42' LT	STANDARD
71	-L- Sta. 77+11 +/-	65.15' LT	STANDARD
72	-L- Sta. 77+10 +/-	53.59' RT	STANDARD
73	-Y5- Sta. 21+82 +/-	44.52' LT	STANDARD
74	-Y5- Sta. 21+87 +/-	64.05' RT	STANDARD
75	-L- Sta. 85+34 +/-	67.11' LT	STANDARD
76	-L- Sta. 86+27 +/-	68.42' LT	STANDARD
77	-Y6- Sta. 10+53 +/-	28.89' RT	STANDARD
78	-Y6- Sta. 10+56 +/-	33.20' LT	STANDARD
79	-L- Sta. 98+31 +/-	64.84' RT	STANDARD
80	-L- Sta. 98+31 +/-	75.47' LT	STANDARD
81	-Y7- Sta. 13+94 +/-	85.64' RT	STANDARD
82	-Y7- Sta. 13+98 +/-	53.67' LT	STANDARD
83	-L- Sta. 100+04 +/-	71.07' LT	STANDARD
84	-L- Sta. 100+05 +/-	76.96' RT	STANDARD
85	-Y7- Sta. 15+72 +/-	67.73' LT	STANDARD
86	-Y7- Sta. 15+72 +/-	68.10' RT	STANDARD
87	-L- Sta. 101+96 +/-	86.47' LT	STANDARD
88	-L- Sta. 102+40 +/-	87.63' LT	STANDARD
89	-L- Sta. 101+91 +/-	65.45' RT	STANDARD
90	-L- Sta. 102+39 +/-	65.16' RT	STANDARD

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PAVEMENT MARKING DETAIL  
CURB RAMP LOCATION INFORMATION


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APPROVED: <i>Betsy Watson</i> DATE: 8/2/2021	
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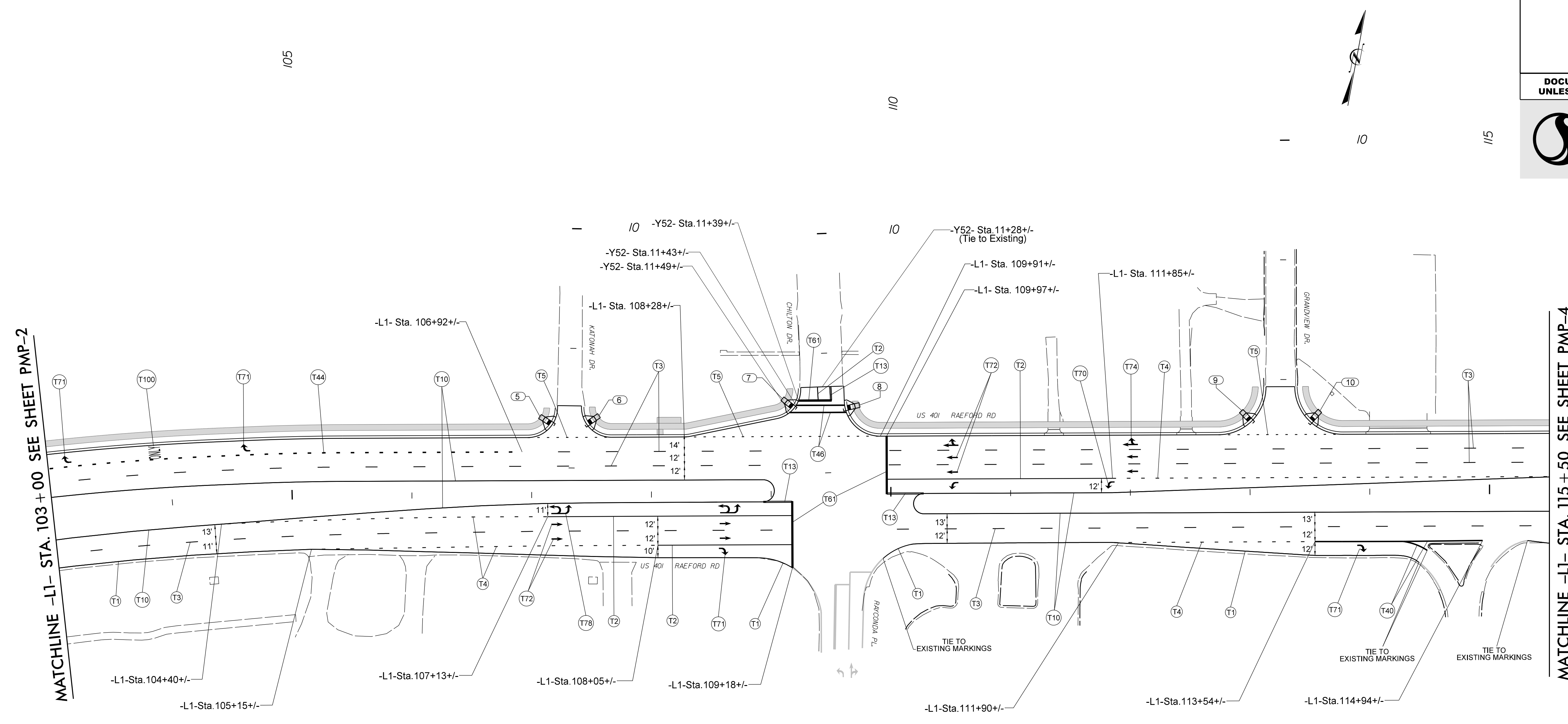


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PAVEMENT MARKING DETAIL



TIP NO. U-4405A	SHEET NO. PMP-3
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MATCHLINE -L1- STA. 103+00 SEE SHEET PMP-2

MATCHLINE -L1- STA. 115+50 SEE SHEET PMP-4

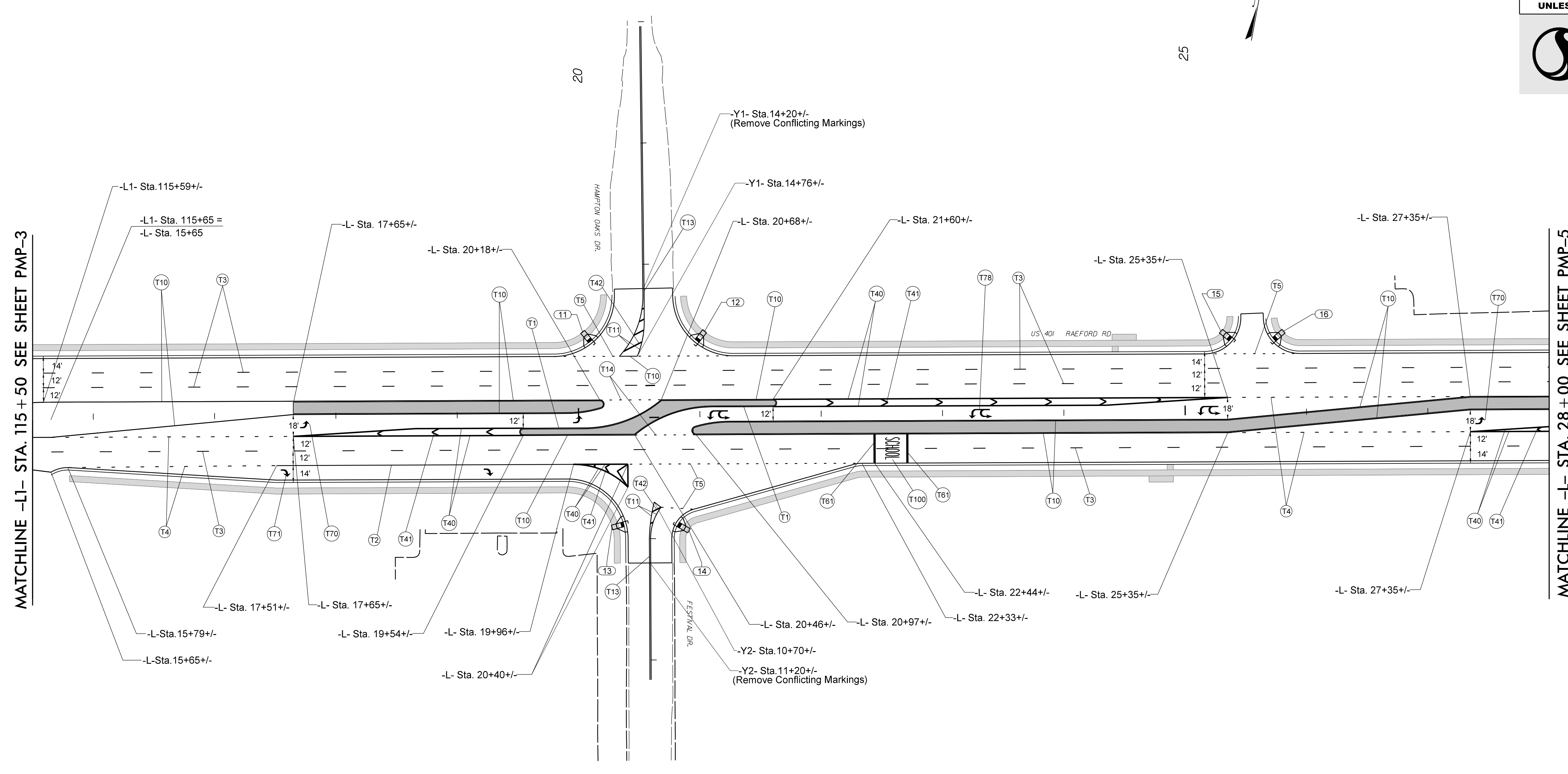
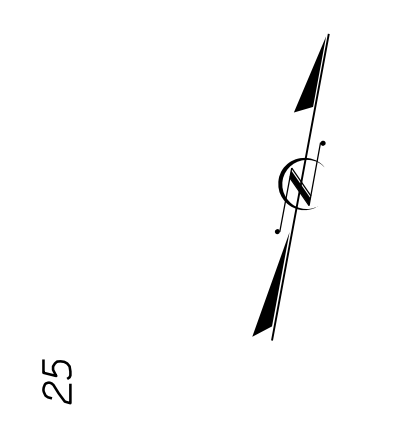
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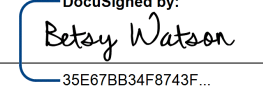


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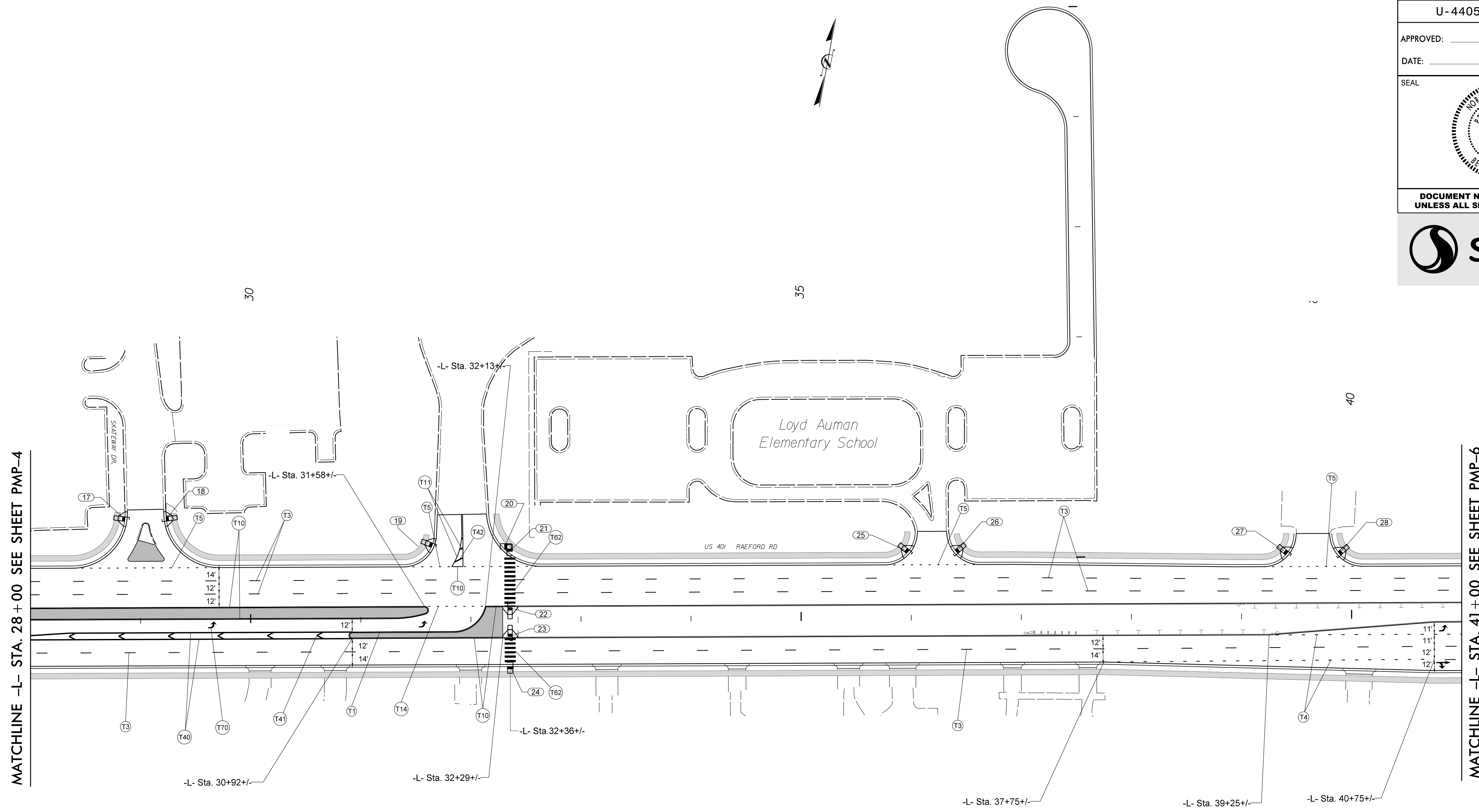


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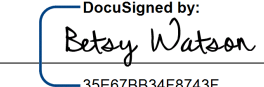



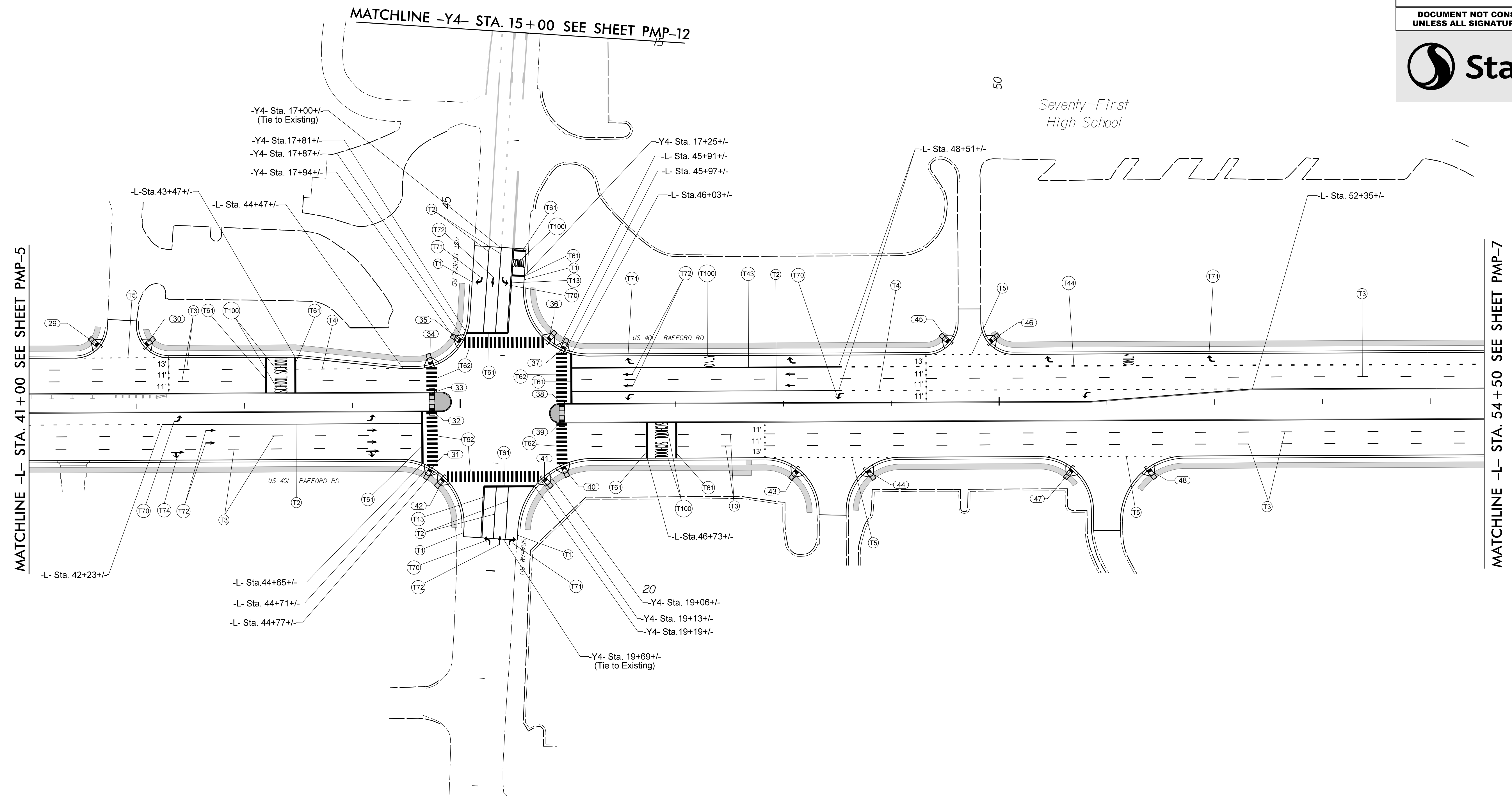
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PAVEMENT MARKING DETAIL

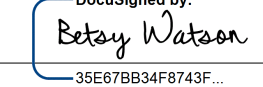

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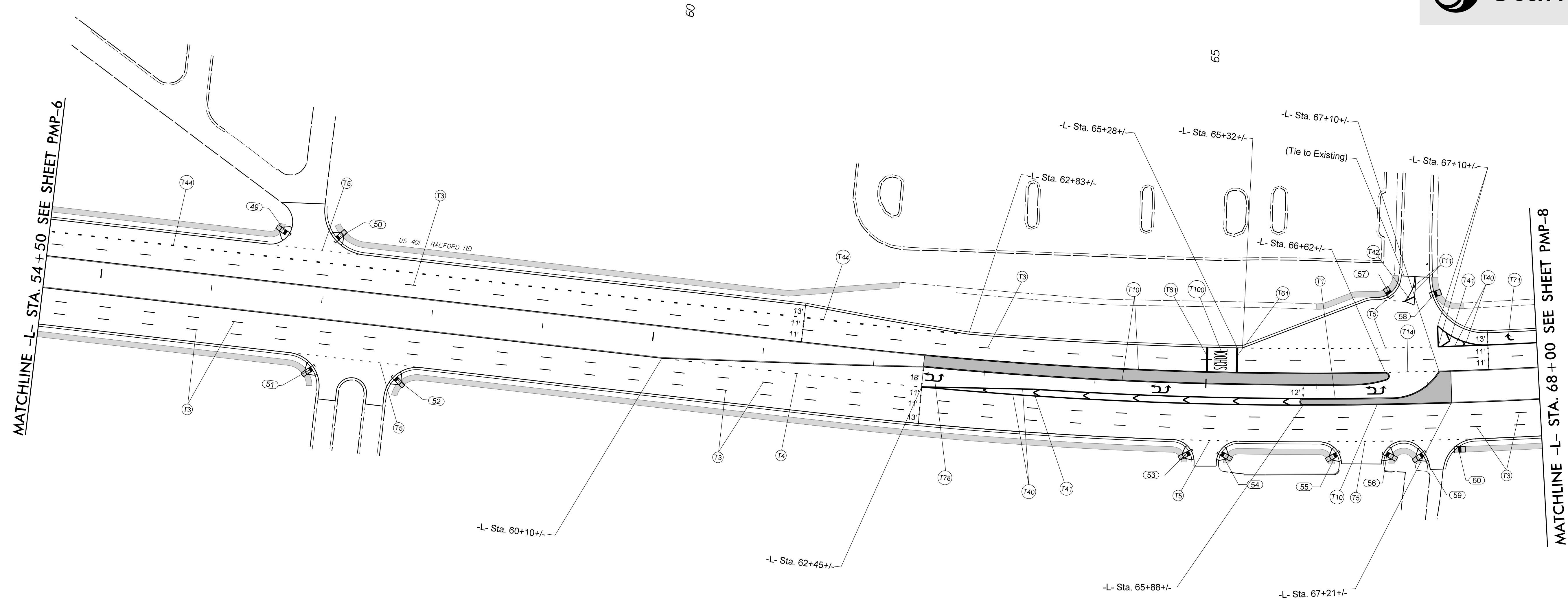


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PAVEMENT MARKING DETAIL



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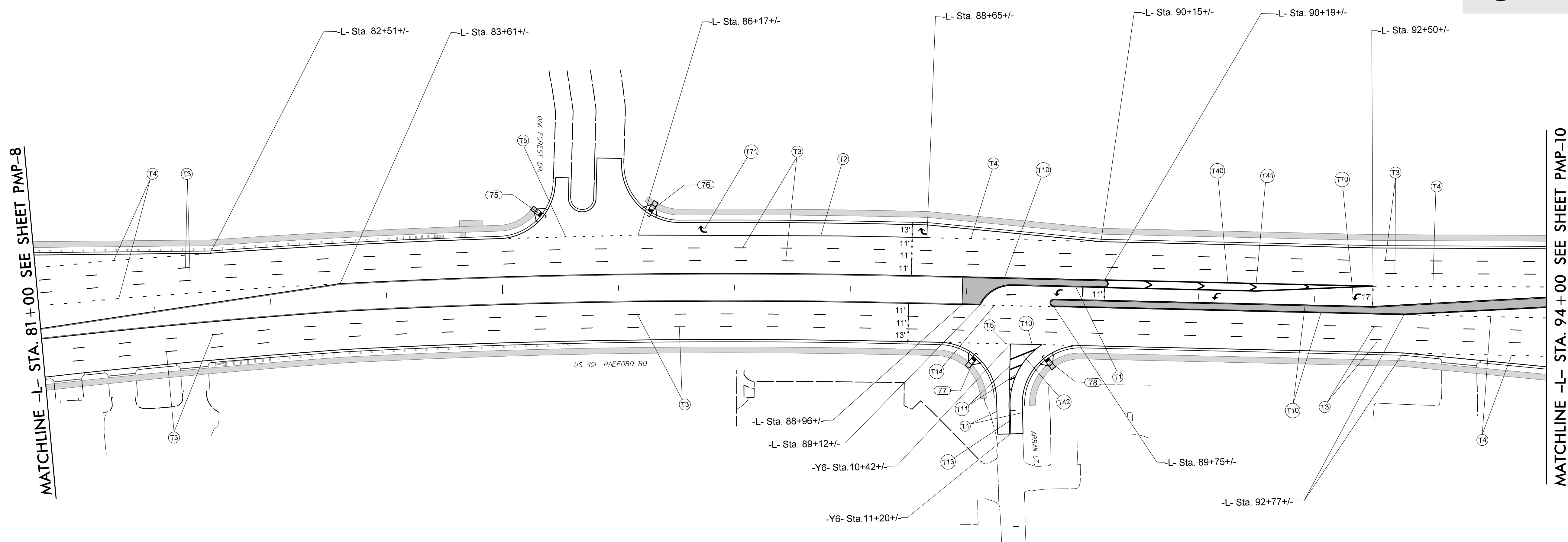
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PAVEMENT MARKING DETAIL





TIP NO. U-4405A	SHEET NO. PMP-9
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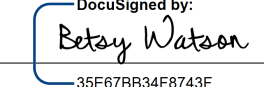




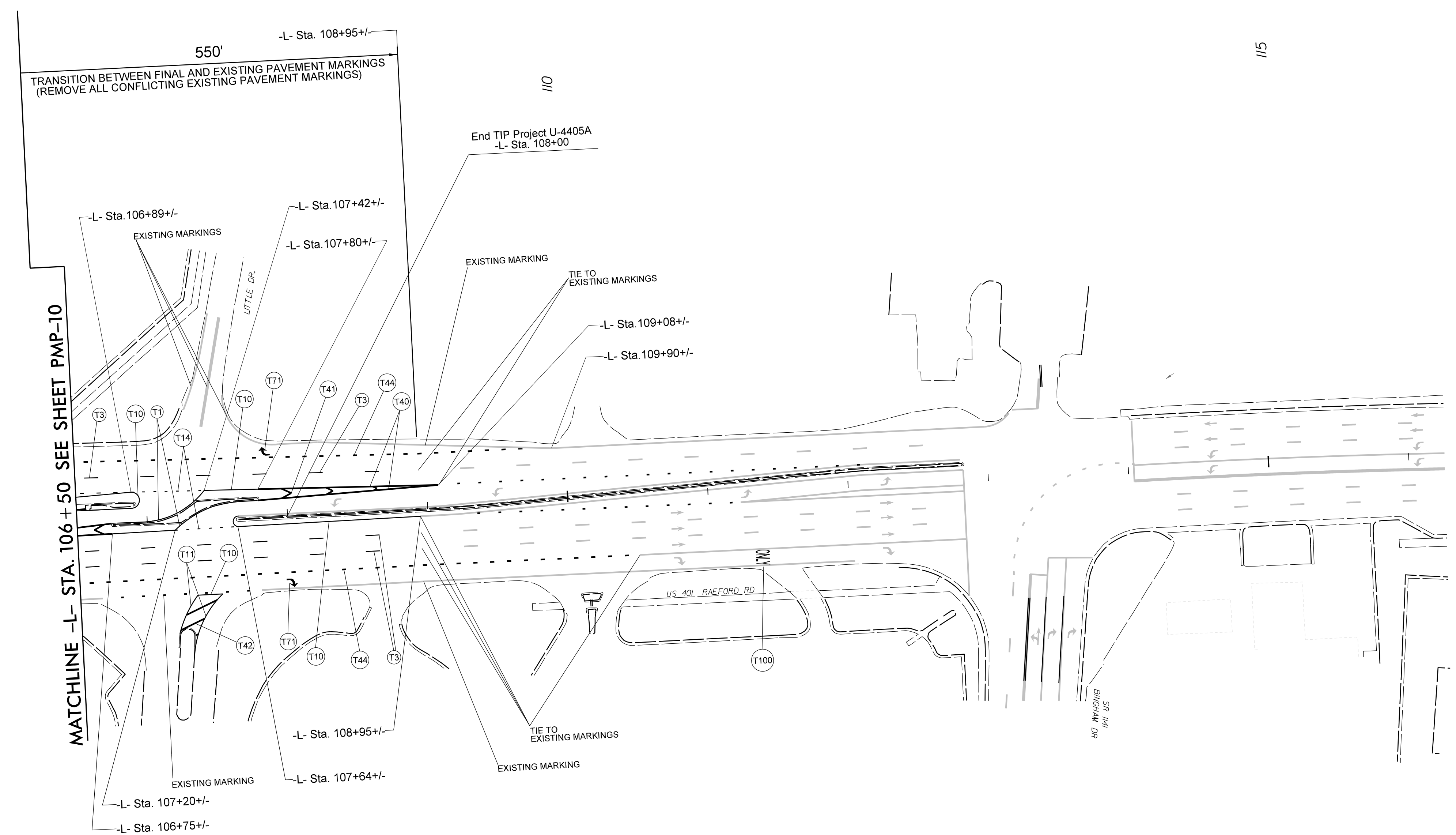
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PAVEMENT MARKING DETAIL



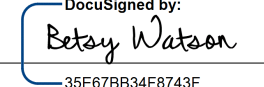



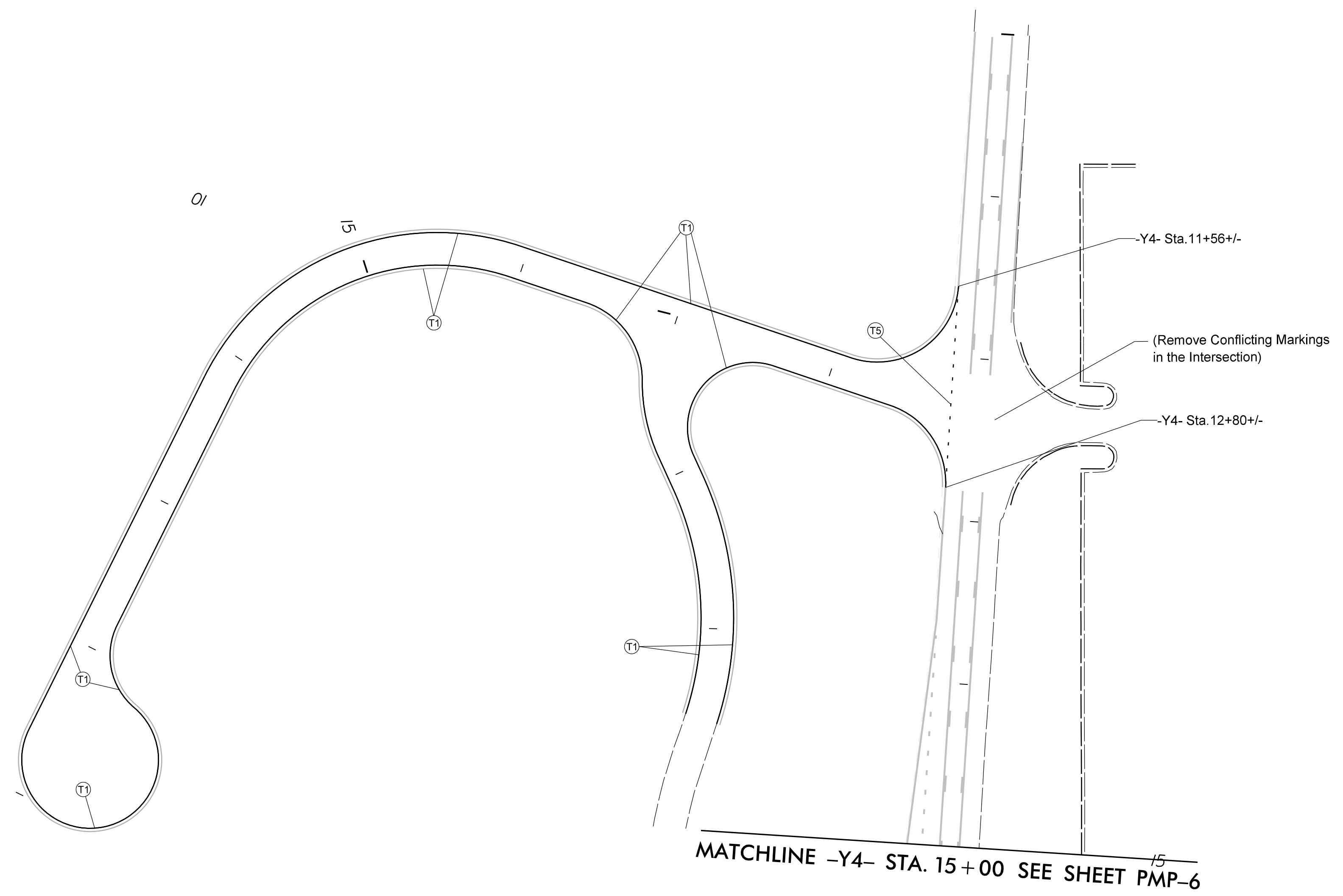
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SEAL 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
	



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PAVEMENT MARKING DETAIL

TIP NO.	SHEET NO.
U - 4405A	PMP - 12
APPROVED: 	
DATE: 8/2/2021	
SEAL	
	
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PAVEMENT MARKING DETAIL