

**T.I.P.: U-4015A**

**STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLAN  
GUILFORD COUNTY**

**LOCATION: SR 1556 (GALLIMORE DAIRY RD.) FROM NC 68  
(LYNWOOD SMITH EXPY.) TO AIRPARK RD. IN GREENSBORO**

<small>PROJECT REFERENCE NO.</small> U-4015A	<small>SHEET NO.</small> PMP-1
<small>APPROVED:</small> <small>DocuSigned by: David T. Sears 090183F2B2E741E...</small>	
<small>DATE:</small> 10/1/2024	
<small>SEAL</small> 	
<small>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</small>	

**INDEX**

<u>SHEET NO.</u>	<u>DESCRIPTION</u>
PMP-1	PAVEMENT MARKING PLAN TITLE SHEET, APPLICABLE ROADWAY STD. DWGS., AND GENERAL NOTES
PMP-1A	DETAIL OF INLAID CRADLE MARKER
PMP-2 THROUGH PMP-6	PAVEMENT MARKING DETAIL

**ROADWAY STANDARD DRAWINGS**

THE FOLLOWING ROADWAY STANDARDS AS APPEAR IN "ROADWAY STANDARD DRAWINGS" - PROJECT SERVICES UNIT - N.C. DEPARTMENT OF TRANSPORTATION - RALEIGH, N.C., DATED JANUARY 2024 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
1205.04	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
1250.01	RAISED PAVEMENT MARKERS - INSTALLATION SPACING
1261.01	GUARDRAIL AND BARRIER DELINEATORS - INSTALLATION SPACING
1261.02	GUARDRAIL AND BARRIER DELINEATORS - TYPES AND MOUNTING
1262.01	GUARDRAIL END DELINEATION

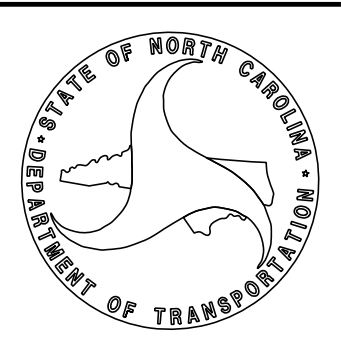
**GENERAL NOTES**

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                     |
|-----------|---------------|----------------------------|
| -L-LINE   | THERMOPLASTIC | SNOWPLOWABLE-INLAID CRADLE |
| -Y-LINES  | THERMOPLASTIC | SNOWPLOWABLE-INLAID CRADLE |
- 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. 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. SEE ROADWAY PLANS FOR ALTERNATE CURB RAMP DESIGNS WHEN INDICATED ON PAVEMENT MARKING DETAIL SHEETS.

**PLAN SUBMITTED TO: N.C.D.O.T. DIVISION 7**

DAWN McPHERSON \_\_\_\_\_ DIVISION TRAFFIC ENGINEER- DIVISION 7  
KELVIN JORDAN \_\_\_\_\_ SIGNING & DELINEATION REGIONAL ENGINEER



**PLAN PREPARED BY: RK&K**

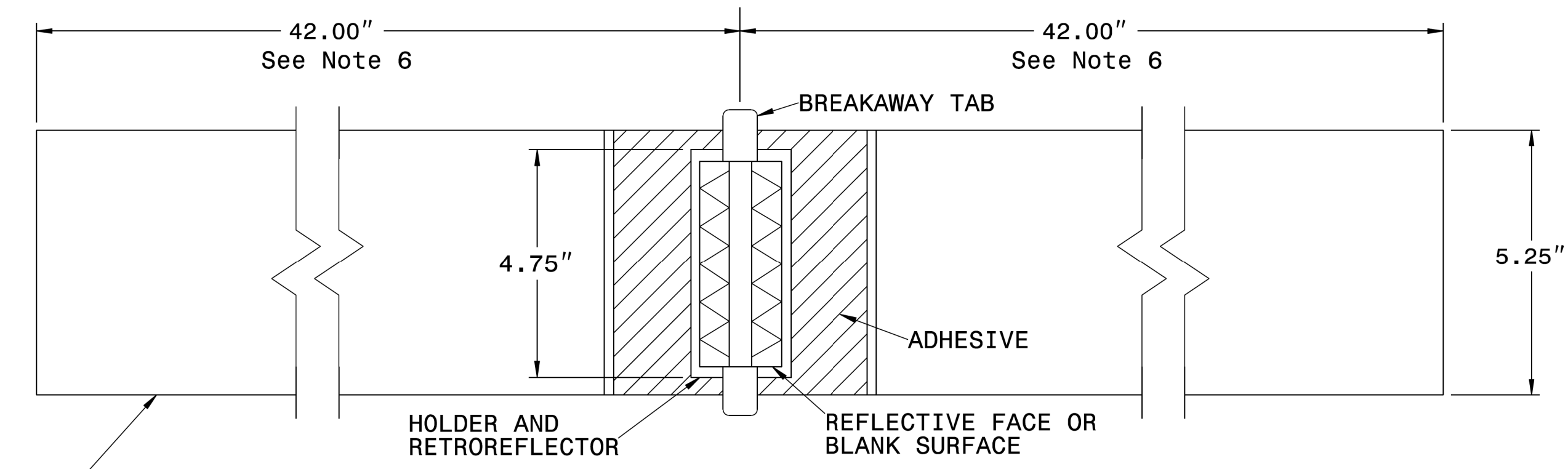
DAVID SEARS, PE, PTOE PROJECT ENGINEER  
ALLEN TUTT \_\_\_\_\_ SENIOR DESIGNER



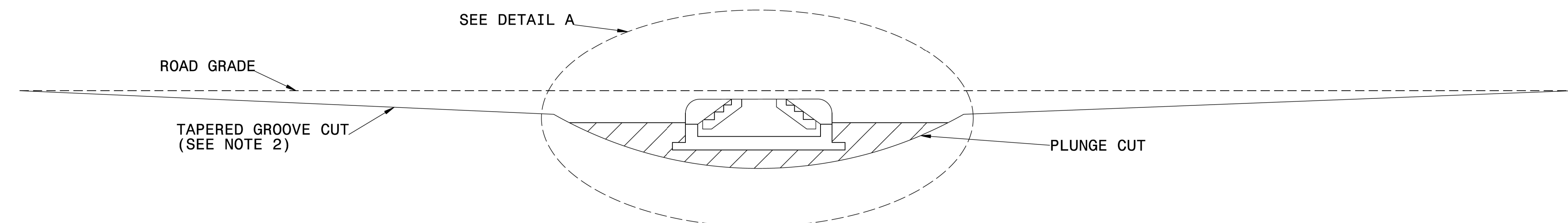
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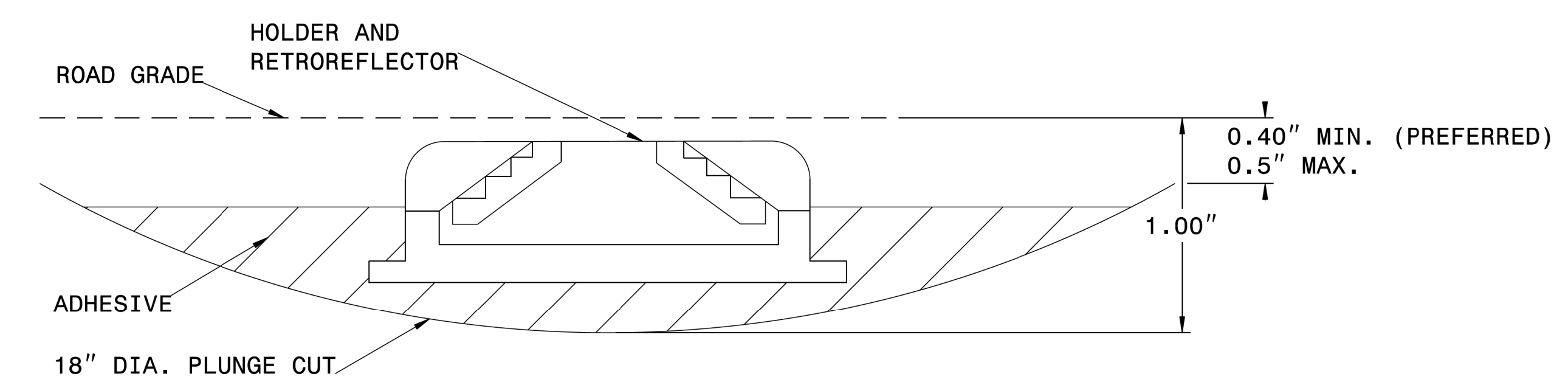
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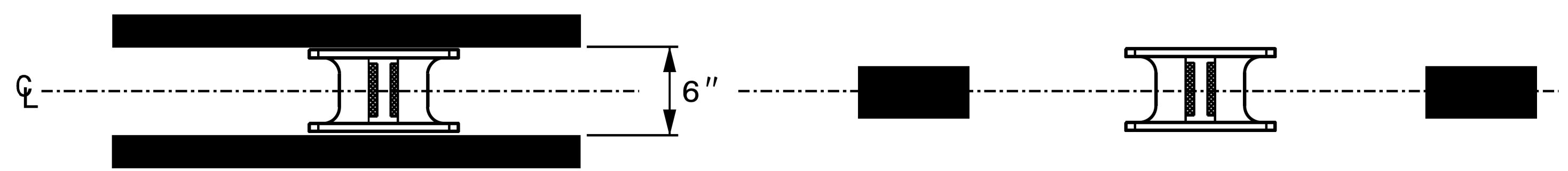
**PLAN VIEW - TANGENT SECTIONS**



**PROFILE VIEW**



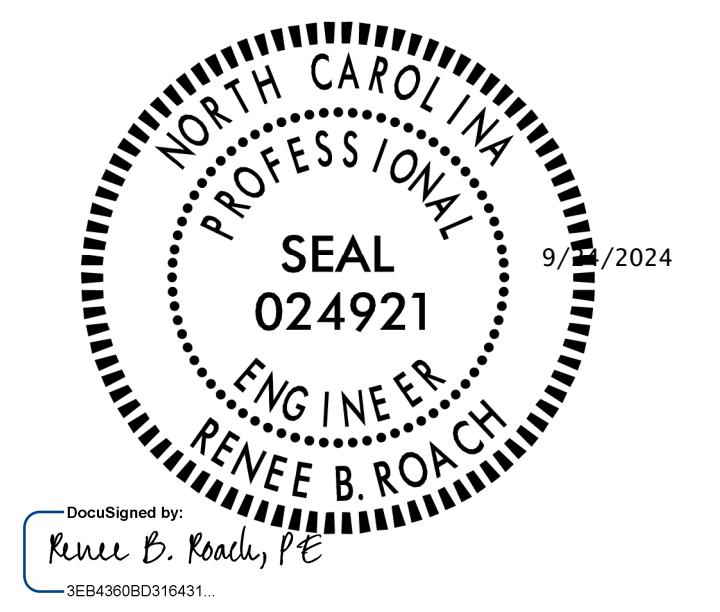
**DETAIL A**



**MARKER SPACING**

**NOTES:**

1. ALL GROOVE EDGES SHALL BE AT LEAST 2 INCHES FROM ANY SEAM OR PAVEMENT JOINT
2. GROOVE CUTS MAY BE TAPERED OR BEVELED. TAPERED CUTS SHALL START AT ROAD LEVEL ON EACH END AND TAPER AT A FIXED RATE AS SHOWN ON THE PROFILE VIEW. BEVELED GROOVE CUTS SHALL BE 0.5" MAXIMUM DEPTH (0.4" PREFERRED), AND SHALL BE 0.4" MINIMUM DEPTH AT BOTH ENDS OF THE PLUNGE CUT.
3. GROOVE AND PLUNGE CUT SHALL BE CLEAN AND DRY PRIOR TO PLACEMENT OF ADHESIVE.
4. THE EPOXY ADHESIVE SHALL BE THOROUGHLY MIXED UNTIL IT IS UNIFORM IN COLOR, AND APPLIED IN COLOR, AND APPLIED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
5. MARKER SHALL BE INSTALLED AS PER MANUFACTURER'S INSTALLATION INSTRUCTIONS WITH THE BREAKWAY TABS RESTING ON THE PAVEMENT SURFACE. THE EPOXY SHALL BE FILLED TO THE LEVEL OF THE TOP OF THE MARKER HOLDER. EPOXY SHALL NOT TOUCH THE RETROREFLECTOR.
6. TOTAL GROOVE LENGTH MAY BE SHORTENED TO 54" ON SHARP CURVES IF APPROVED BY THE ENGINEER. GROOVES SHALL NOT OVERLAP WITH LOOP DETECTOR WIRES.



<b>CONTRACTS STANDARDS AND DEVELOPMENT UNIT</b>	
Office 919-707-8950	FAX 919-250-4119
<b>DETAIL OF INLAID CRADLE MARKER</b>	
ORIGINAL BY: rgwatson	DATE: 02-06-2024
MODIFIED BY:	DATE:
CHECKED BY:	DATE:
FILE SPEC.:	

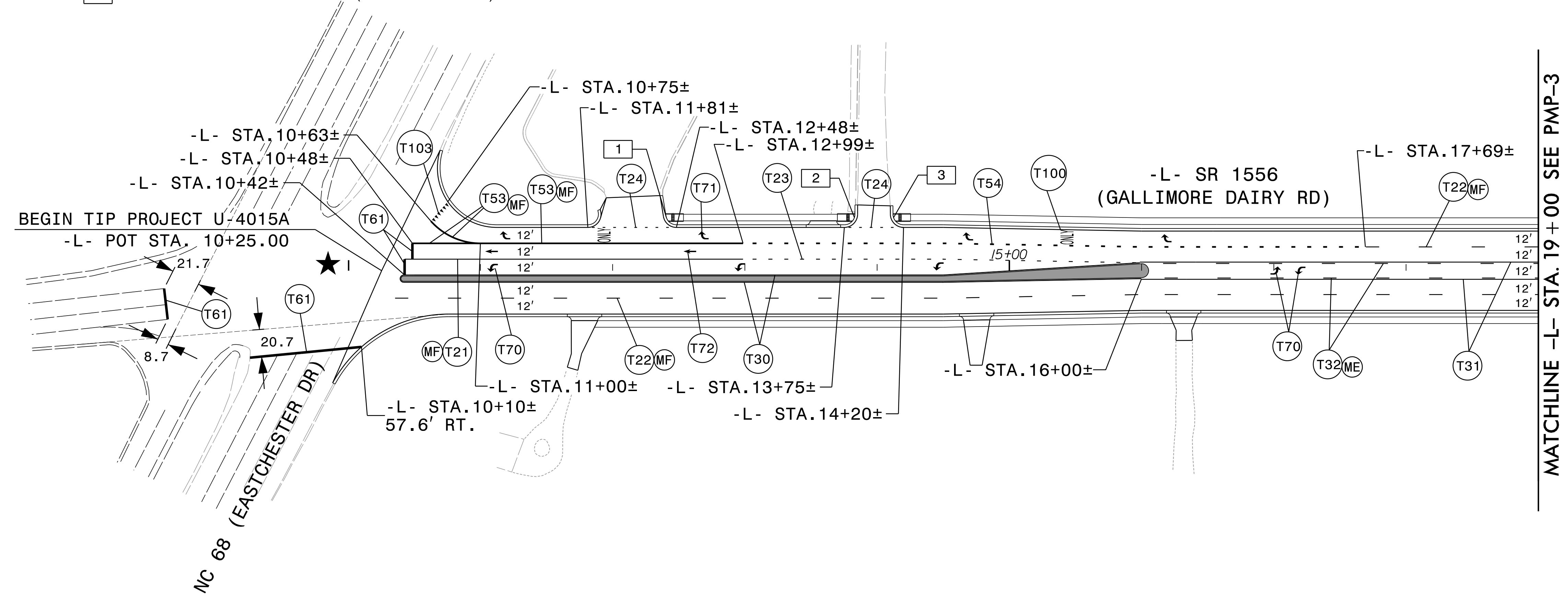
### PAVEMENT MARKING SCHEDULE

THERMOPLASTIC LINES (90 MILS)	THERMOPLASTIC SYMBOLS (90 MILS)
T20 WHITE EDGELINE (6")	T70 LEFT TURN ARROW
T21 WHITE SOLID LANE LINE (6")	T71 RIGHT TURN ARROW
T22 10FT. WHITE SKIP (6")	T72 STRAIGHT ARROW
T23 3FT.- 9FT./SP WHITE MINISKIP (6")	T73 COMBO. LEFT/STRAIGHT ARROW
T24 2FT.- 6FT./SP WHITE MINISKIP (6")	T74 COMBO. RIGHT/STRAIGHT ARROW
T30 YELLOW EDGELINE (6")	T100 ALPHANUMERIC CHAR.
T31 YELLOW SINGLE CENTER (6")	T103 24" YIELD LINE TRIANGLE
T32 10FT. YELLOW SKIP (6")	
T33 YELLOW DOUBLE CENTER (6")	
T46 WHITE CROSSWALK LINE (8")	
T60 WHITE GORE LINE (12")	
T51 WHITE DIAGONAL (12")	
T52 YELLOW DIAGONAL (12")	
T53 WHITE SOLID LANE LINE (12")	
T54 3FT.- 9FT./SP WHITE MINISKIP (12")	
T61 WHITE STOPBAR (24")	
	PAVEMENT MARKERS
	ME SNOWPLOWABLE-INLAID CRADLE (YELLOW/YELLOW)
	MF SNOWPLOWABLE-INLAID CRADLE (CRYSTAL/RED)

NAD 83/2011

#### CURB RAMP DATA

1	-L- STA. 12+41±	40.3' LT	(TYPE 1 MODIFIED)
2	-L- STA. 13+83±	40.3' LT	(TYPE 1 MODIFIED)
3	-L- STA. 14+12±	40.3' LT	(TYPE 1 MODIFIED)



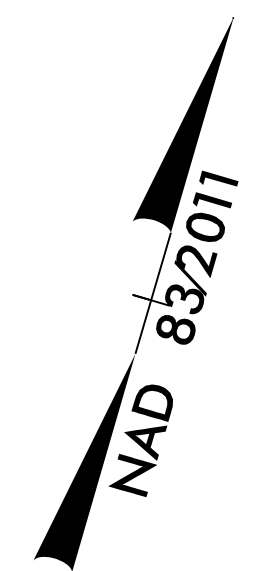
★ SIGNALIZED INTERSECTION

**PAVEMENT MARKING DETAIL**

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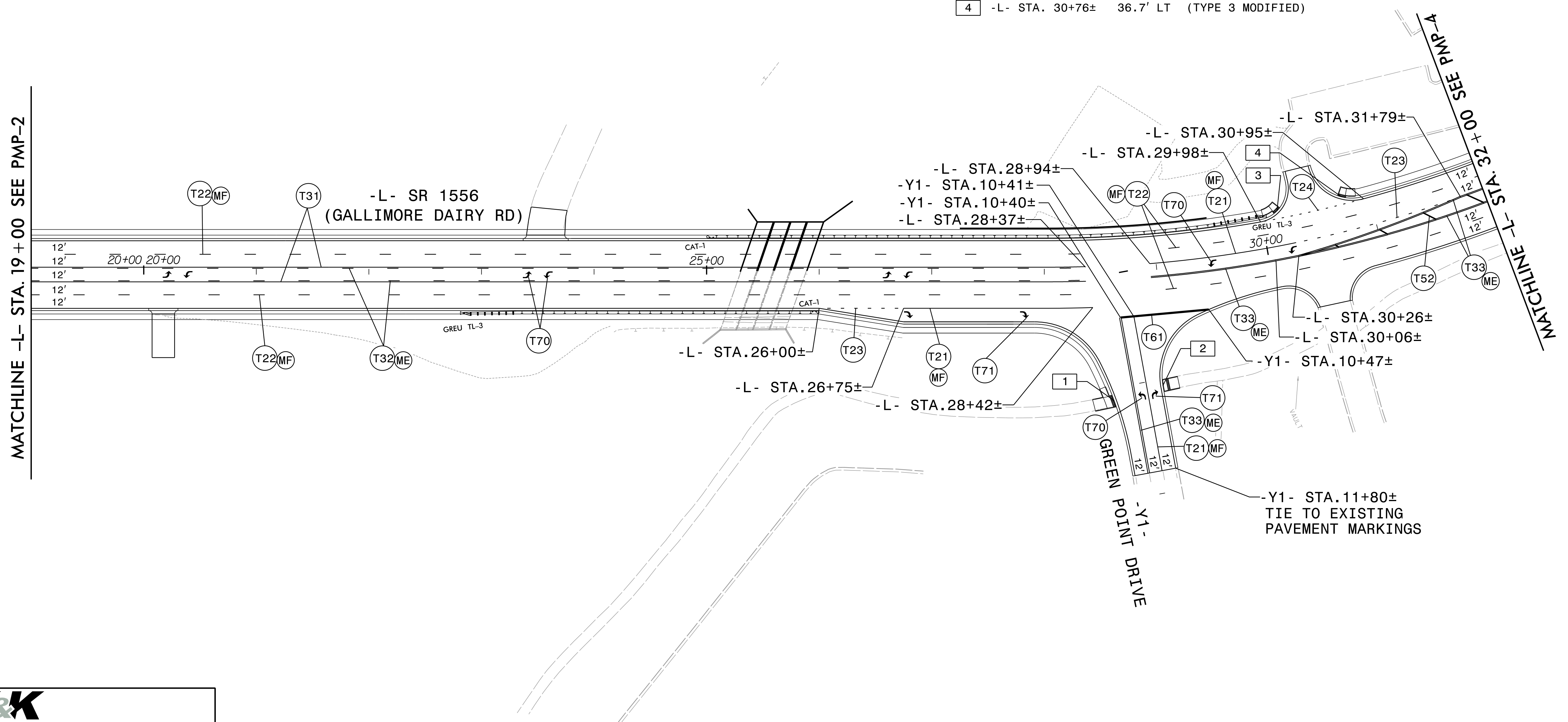
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	PAVEMENT MARKERS
	ME SNOWPLOWABLE-INLAID CRADLE (YELLOW/YELLOW)
	MF SNOWPLOWABLE-INLAID CRADLE (CRYSTAL/RED)



#### CURB RAMP DATA

1	-Y1- STA. 11+18±	24.7' RT	(TYPE 3)
2	-Y1- STA. 11+06±	20.3' LT	(TYPE 1 MODIFIED)
3	-L- STA. 30+15±	37.0' LT	(TYPE 3 MODIFIED)
4	-L- STA. 30+76±	36.7' LT	(TYPE 3 MODIFIED)



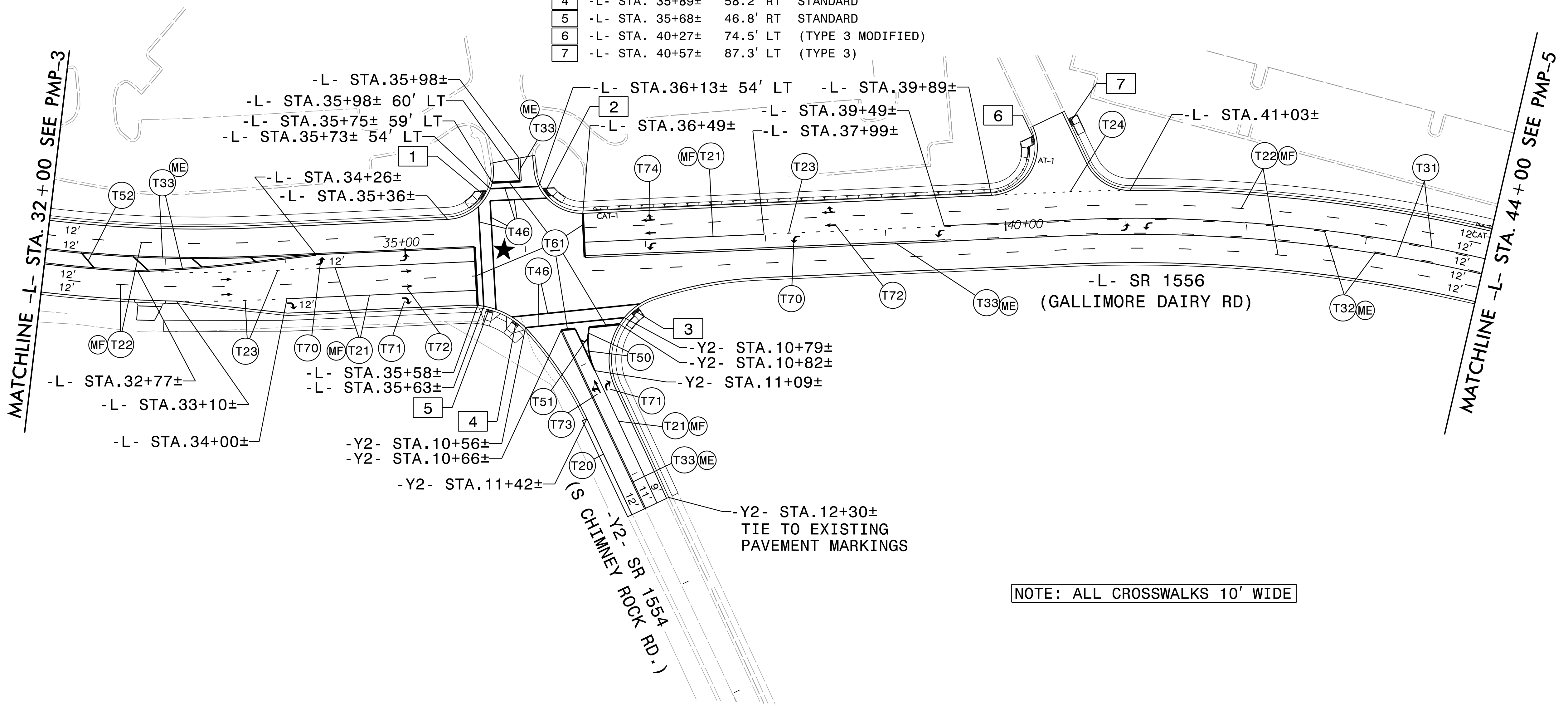
### PAVEMENT MARKING SCHEDULE

THERMOPLASTIC LINES (90 MILS)	THERMOPLASTIC SYMBOLS (90 MILS)
T20 WHITE EDGELINE (6")	T70 LEFT TURN ARROW
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T53 WHITE SOLID LANE LINE (12")	MF SNOWPLOWABLE-INLAID CRADLE (CRYSTAL/RED)
T54 3FT.- 9FT./SP WHITE MINISKIP (12")	
T61 WHITE STOPBAR (24")	



### CURB RAMP DATA

1	-L- STA. 35+68±	49' LT	(TYPE 3 MODIFIED)
2	-L- STA. 36+18±	49' LT	(TYPE 3 MODIFIED)
3	-L- STA. 36+88±	52.6' RT	(TYPE 3 MODIFIED)
4	-L- STA. 35+89±	58.2' RT	STANDARD
5	-L- STA. 35+68±	46.8' RT	STANDARD
6	-L- STA. 40+27±	74.5' LT	(TYPE 3 MODIFIED)
7	-L- STA. 40+57±	87.3' LT	(TYPE 3)



NOTE: ALL CROSSWALKS 10' WIDE

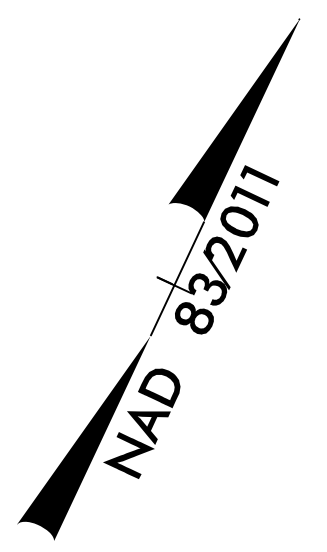
★ SIGNALIZED INTERSECTION

**PAVEMENT MARKING DETAIL**

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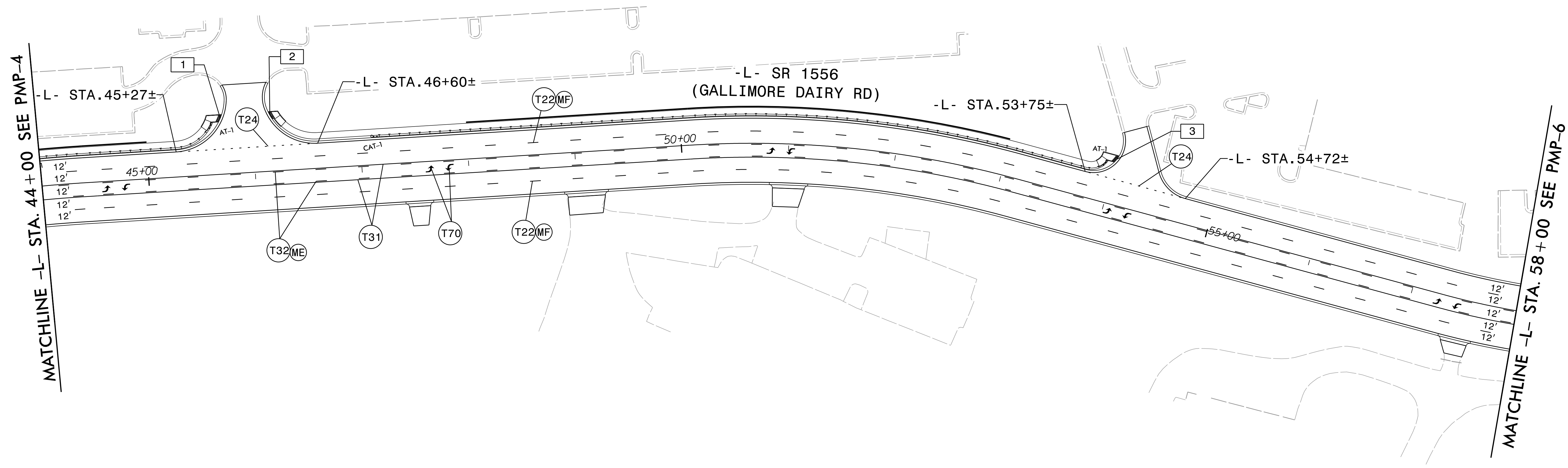
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#### CURB RAMP DATA

1	-L- STA. 45+70±	58.9' LT	(TYPE 3 MODIFIED)
2	-L- STA. 46+17±	58.9' LT	(TYPE 3 MODIFIED)
3	-L- STA. 54+01±	48.9' LT	(TYPE 3 MODIFIED)





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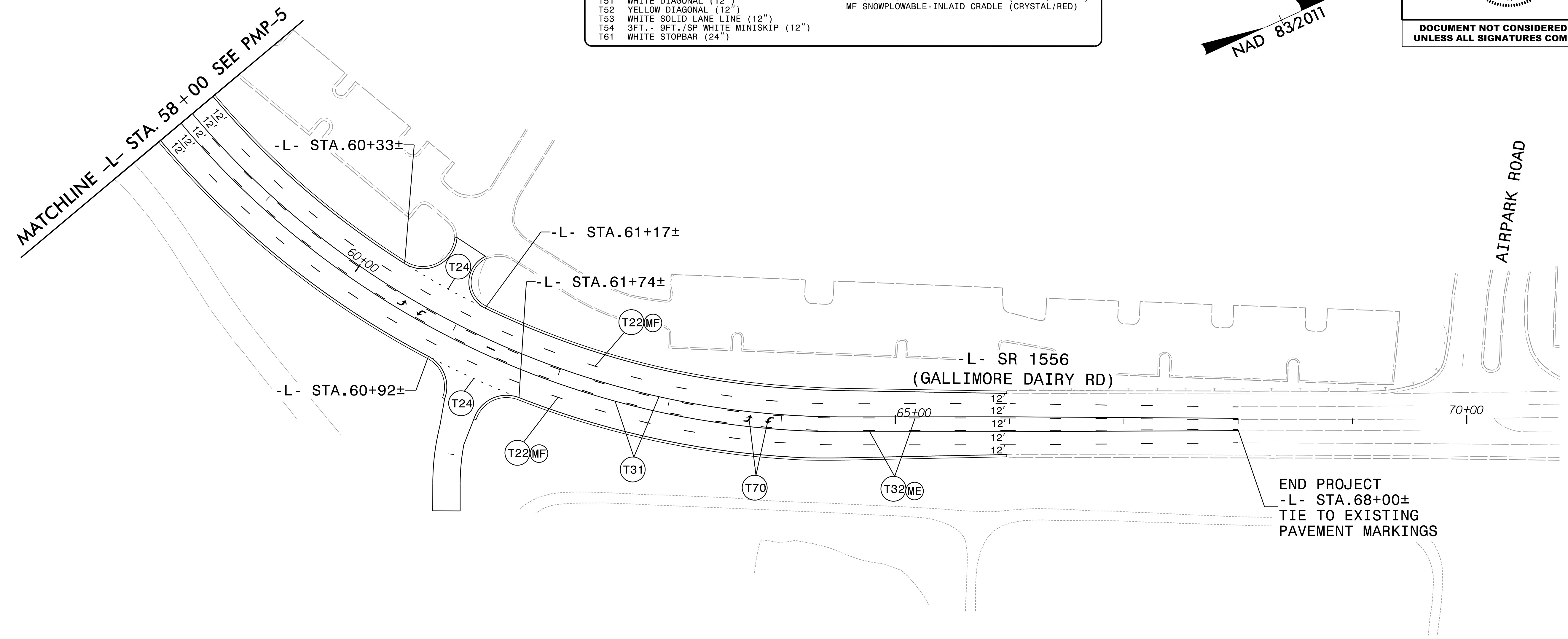
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PAVEMENT MARKING DETAIL

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**PAVEMENT MARKING SCHEDULE**

THERMOPLASTIC LINES (90 MILS)	THERMOPLASTIC SYMBOLS (90 MILS)
T20 WHITE EDGELINE (6")	T70 LEFT TURN ARROW
T21 WHITE SOLID LANE LINE (6")	T71 RIGHT TURN ARROW
T22 10FT. WHITE SKIP (6")	T72 STRAIGHT ARROW
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