

T.I.P.: R-5739

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING PLAN
NORTHAMPTON COUNTY

LOCATION: NC 46 FROM THE VIRGINIA STATE LINE
TO NC 48 IN GASTON
UPGRADE AND WIDEN EXISTING FACILITY

TIP NO.
R - 5739

SHEET NO.
PMP - 1

APPROVED:

Signed by:

Don A. Parker

DATE: 8/13/2025

SEAL

NORTH CAROLINA
PROFESSIONAL
ENGINEER
DON A. PARKER

SEAL
043251

DOCUMENT NOT CONSIDERED FINAL
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INDEX

SHEET NO.	DESCRIPTION
PMP - 1	PAVEMENT MARKING PLAN TITLE, INDEX OF SHEETS, LIST OF APPLICABLE ROADWAY STANDARD DRAWINGS, GENERAL NOTES, AND FINAL PAVEMENT MARKING SCHEDULE
PMP-1A	REVISED ROADWAY STANDARD DRAWING (1250D01)
PMP-4 THRU PMP-11	PAVEMENT MARKING DETAIL

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 2024 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
1205.08	PAVEMENT MARKINGS - SYMBOLS AND WORD MESSAGES
1205.09	PAVEMENT MARKINGS - PAINTED ISLANDS
1205.10	PAVEMENT MARKINGS - SCHOOL AREAS
1250.01	PAVEMENT MARKERS - INSTALLATION SPACING
1251.01	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

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
NC 46		SNOWPLOWABLE (POLYCARBONATE H-SHAPED MARKERS)
SR 1215 BRADLEY RD. SR 1214 RIVER RD. SR 1213 OLD GASTON RD. SR 1212 OAK GROVE CHURCH RD. PLANTATION DR. SR 1220 HICKORY HOLLOW RD. SANDY RIDGE LN. SR 1222 GUS SMITH RD. THORN ST. PEARSON ST. SHILOH ST. WORTH ST. SR 1281 BROUGHTON ST. WORTH ST. REID ST. NC 48	THERMOPLASTIC	NONE

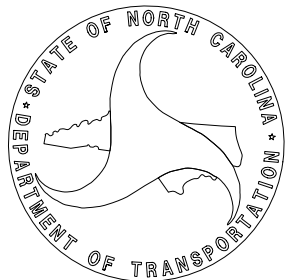
- B) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.
- C) REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS AND MARKERS.
- D) PASSING ZONES WILL BE DETERMINED IN THE FIELD AND MUST BE APPROVED BY THE ENGINEER.
- E) STOP BAR LOCATION AT NON-SIGNALIZED INTERSECTIONS MAY BE ADJUSTED AS DIRECTED BY THE ENGINEER.
- F) 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.

FINAL PAVEMENT MARKING
SCHEDULE

SYMBOL	DESCRIPTION
PAVEMENT MARKINGS	
THERMOPLASTIC (6", 90 MILS)	
T20	(6") WHITE EDGELINE
T21	(6") WHITE SOLID LANE LINE
T23	(6") 3 FT.-9 FT./SP WHITE MINISKIP
T24	(6") 2 FT.-6 FT./SP WHITE MINISKIP
T31	(6") YELLOW SINGLE CENTER
T32	(6") 10 FT. YELLOW SKIP
T33	(6") YELLOW DOUBLE CENTER
THERMOPLASTIC (8", 90 MILS)	
T42	(8") YELLOW DIAGONAL
THERMOPLASTIC (12", 90 MILS)	
T52	(12") YELLOW DIAGONAL
THERMOPLASTIC (24", 90 MILS)	
T61	(24", 90 MILS) WHITE STOPBAR
T62	(24", 90 MILS) WHITE CROSSWALK LINE
THERMOPLASTIC PAVEMENT MARKING SYMBOLS	
T70	LEFT TURN ARROW
T71	RIGHT TURN ARROW
T72	STRAIGHT ARROW
T74	COMBO. RIGHT/STRAIGHT ARROW
T75	COMBO. LEFT/RIGHT ARROW
T76	COMBO. LEFT/RIGHT/STRAIGHT ARROW
THERMOPLASTIC PAVEMENT MARKING CHARACTER	
T100	ALPHANUMERIC CHARACTER (90 MILS)
PAVEMENT MARKERS - SNOWPLOWABLE (POLYCARBONATE H-SHAPED)	
ME	YELLOW/YELLOW SNOWPLOWABLE MARKER
MF	CRYSTAL/RED SNOWPLOWABLE MARKER

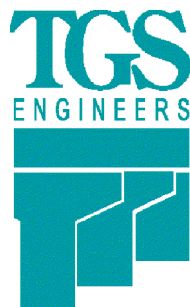
PLAN SUBMITTED TO: NCDOT DIVISION 1

ROGER BULLOCK PROJECT DEVELOPMENT GROUP
NCDOT DIVISION 1



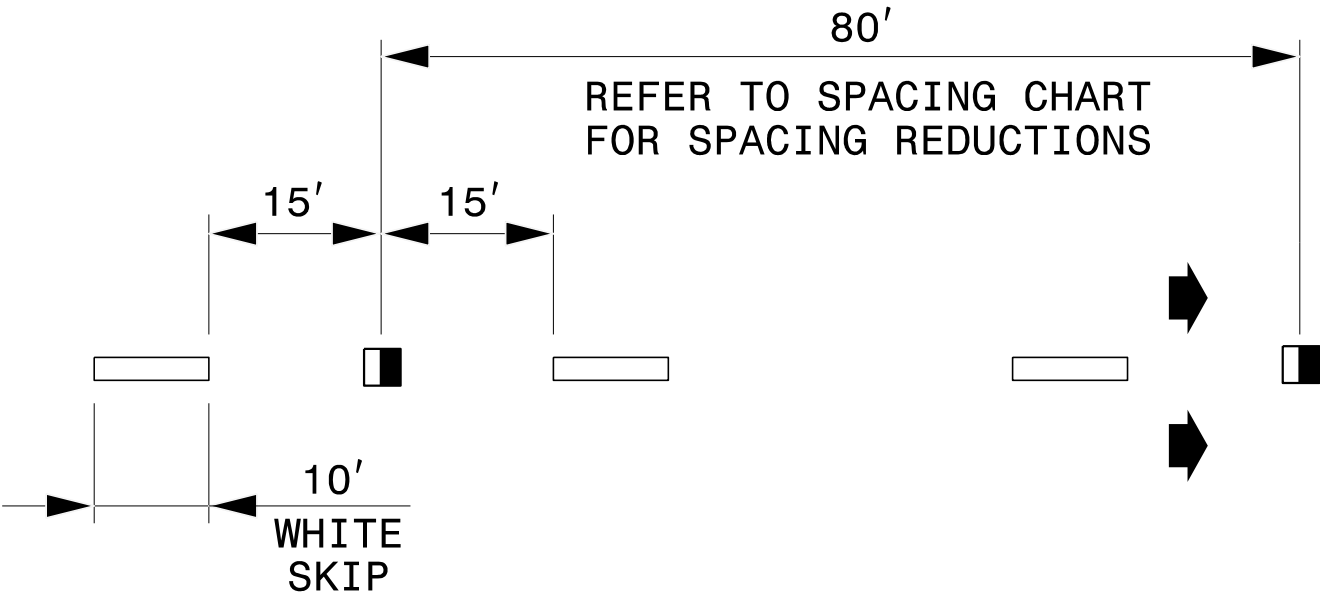
PLAN PREPARED BY: TGS ENGINEERS

DON A. PARKER, P.E. PROJECT ENGINEER
CODA BRANNAN, E.I. DESIGN ENGINEER

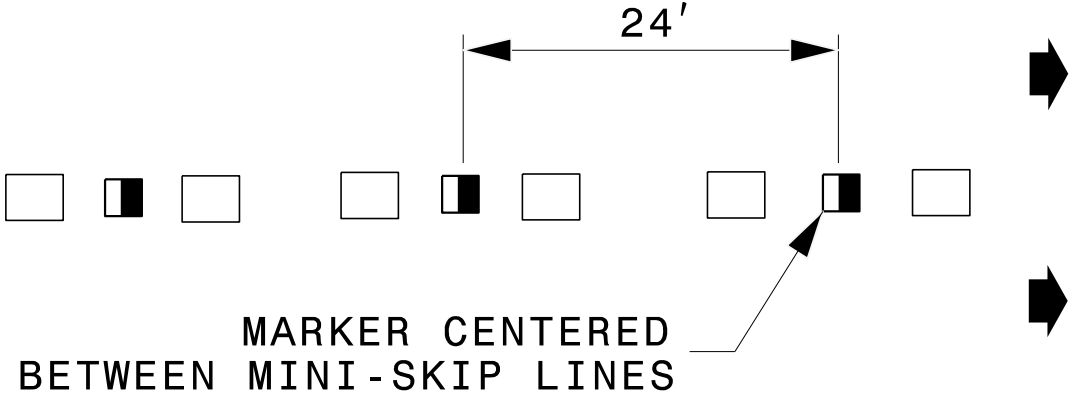


TGS ENGINEERS
706 HILLSBOROUGH ST. SUITE 200
RALEIGH, NC 27603
PH (919) 773-8887
CORP. LICENSE NO.: C-0275

10'-30'/SP SKIP LINE



3'-9'/SP MINI-SKIP LINE



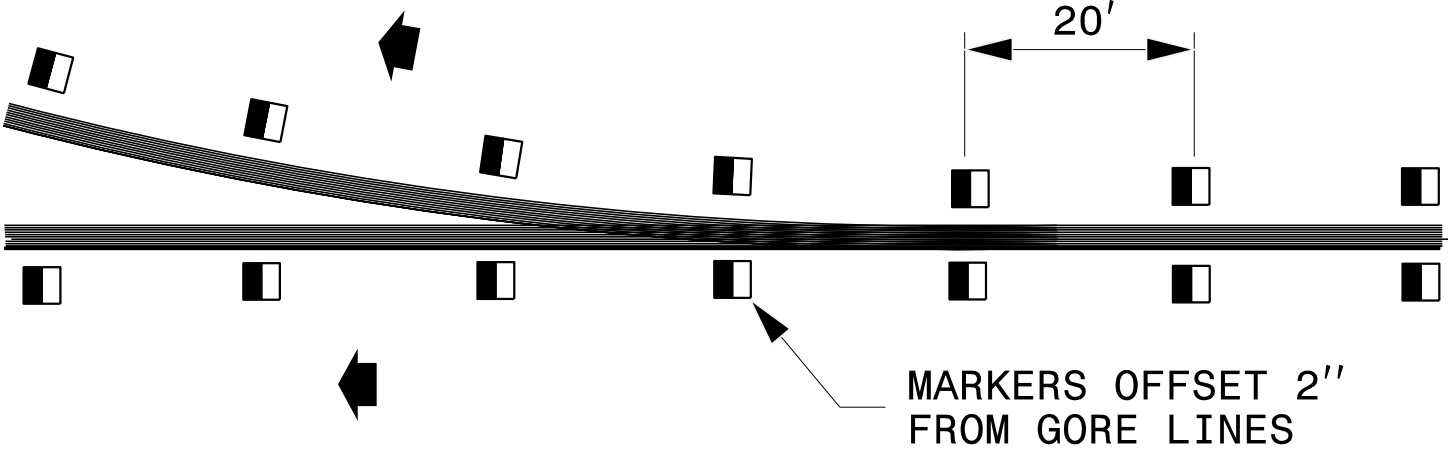
LEGEND

 CRYSTAL/RED PAVEMENT MARKER

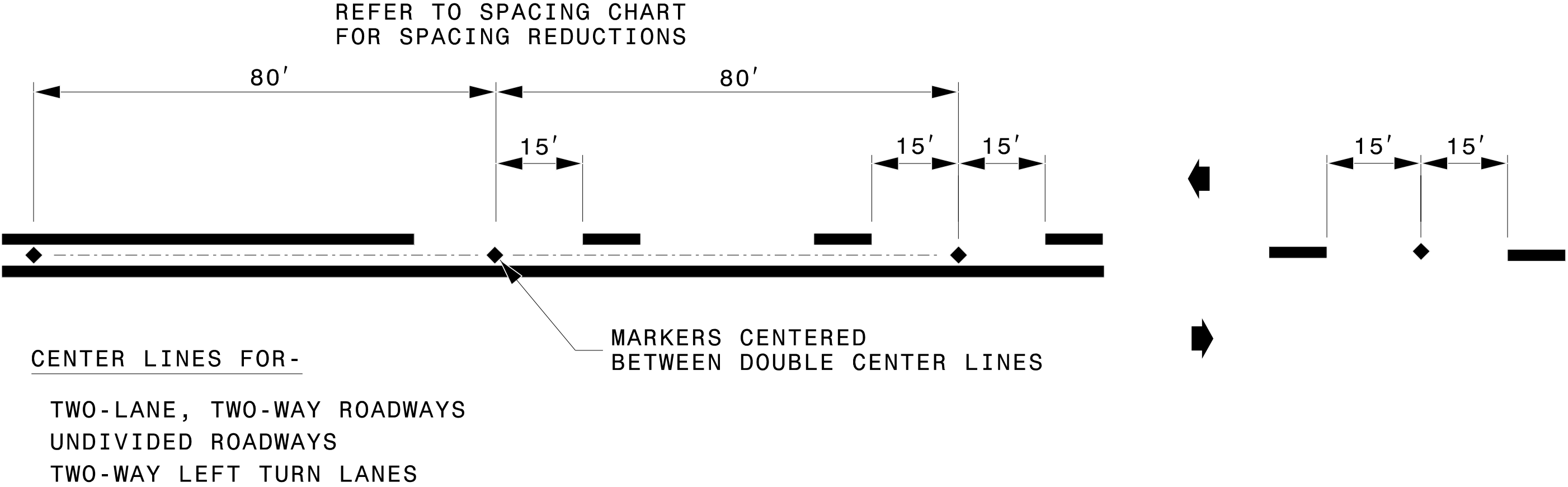
 YELLOW/YELLOW PAVEMENT MARKER

 DIRECTION OF TRAFFIC FLOW

GORE LINES

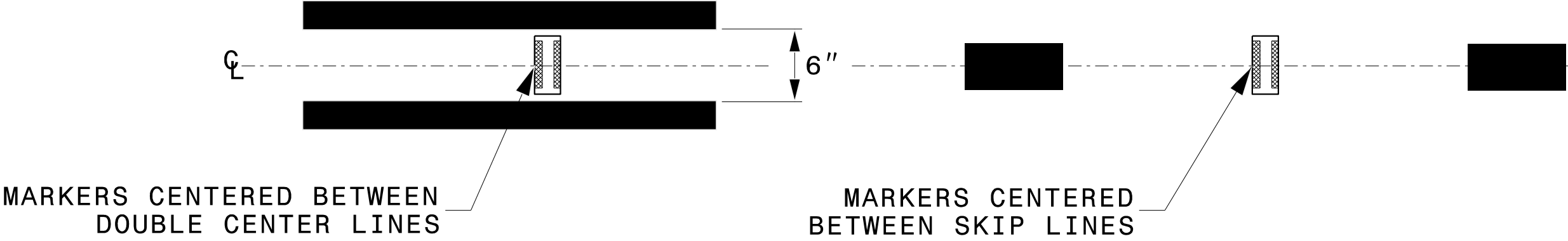


YELLOW CENTER LINES



DETAIL OF PAVEMENT MARKER PLACEMENT

RAISED REFLECTIVE PAVEMENT MARKERS



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

ROADWAY DETAIL DRAWING FOR
RAISED PAVEMENT MARKERS
INSTALLATION SPACING

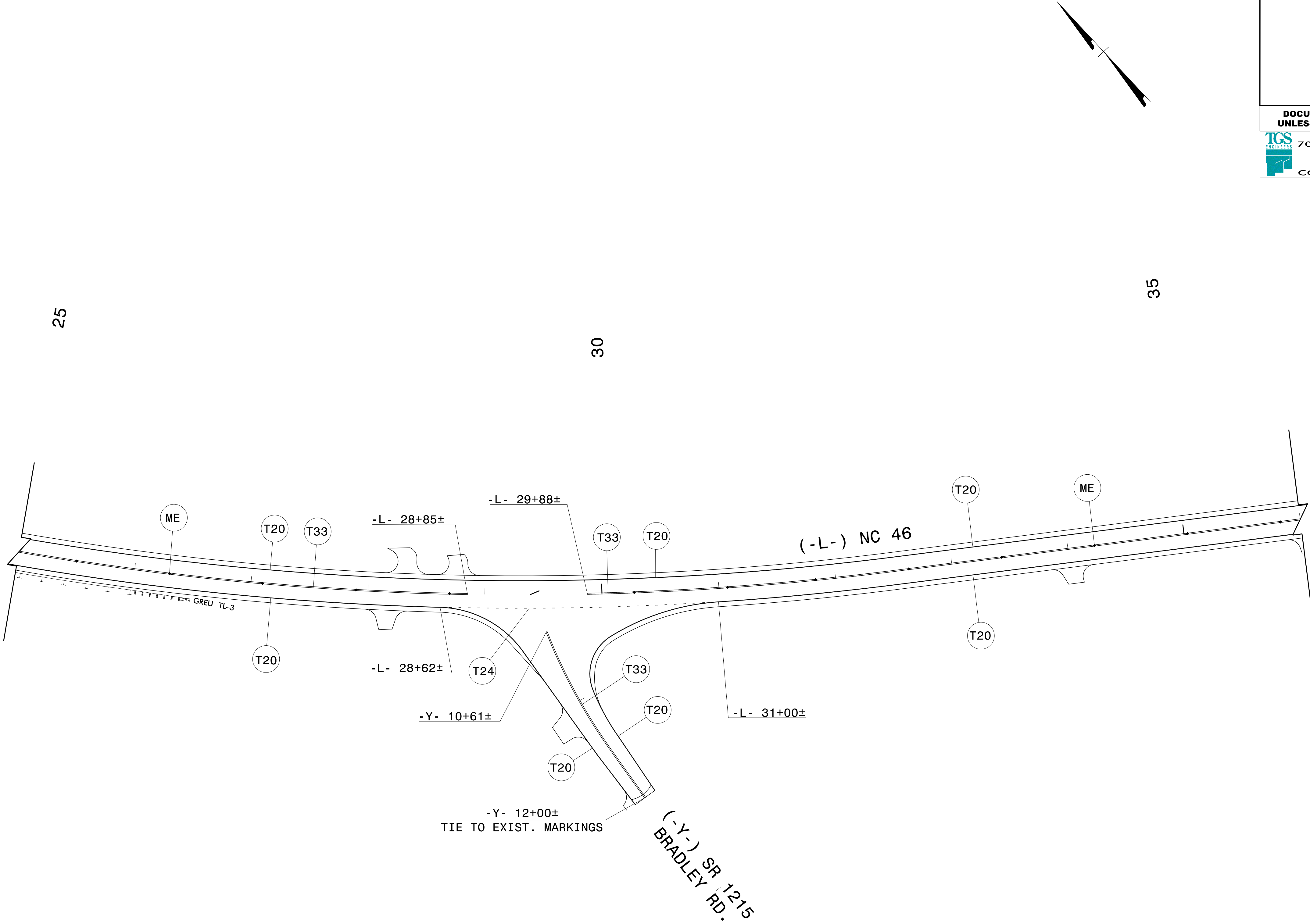
SHEET 2 OF 3
1250D01

CONTRACTS STANDARDS
AND DEVELOPMENT UNIT
Office 919-707-8950 FAX 919-250-4119

SEE TITLE BLOCK

ORIGINAL BY: M.V. SPRINGER	DATE: 2-15-24
MODIFIED BY:	DATE:
CHECKED BY:	DATE:
FILE SPEC.:	

TIP NO.	SHEET NO.
R-5739	PMP-4
APPROVED: Don A. Parker	
DATE: 8/21/2025	
SEAL	
Professional Engineer Seal: Don A. Parker, Seal 043251, State of North Carolina	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
TGS ENGINEERS 706 HILLSBOROUGH STREET (SUITE 200) RALEIGH, NC 27603 PH (919) 773-8887 CORP. LICENSE NO.: C-0275	



- NOTE:
1. SEE SHEET PMP-1 FOR FINAL PAVEMENT MARKINGS SCHEDULE.
 2. UNLESS OTHERWISE NOTED PLACE PAVEMENT MARKING SYMBOLS IN ACCORDANCE TO NCDOT STANDARDS.
 3. MF AND ME SEE NCDOT STD DRAWINGS 1250.01 AND PMP-1A FOR MARKER LOCATIONS AND SPACING.

PAVEMENT MARKING DETAIL
-L- STA 25+00 TO 36+00
-Y- STA 10+00 TO 12+00

TIP NO.
R - 5739

SHEET NO.
PMP - 5

APPROVED:

Signed by:

Don A. Parker

76039690ADE7440...

DATE: 8/13/2025

SEAL

NORTH CAROLINA

PROFESSIONAL

SEAL

043251

ENGINEER

DON A. PARKER

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TCS

ENGINEERS

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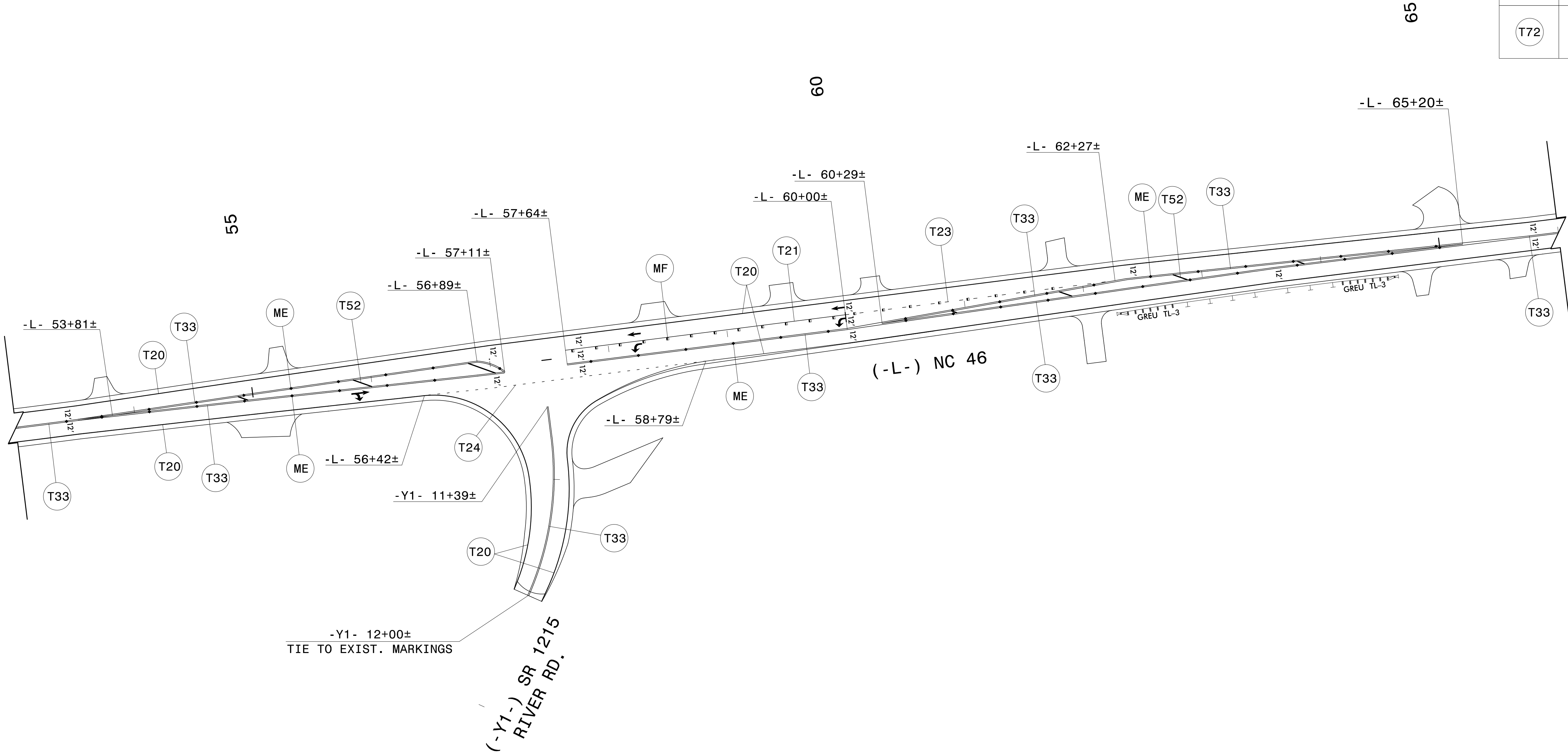
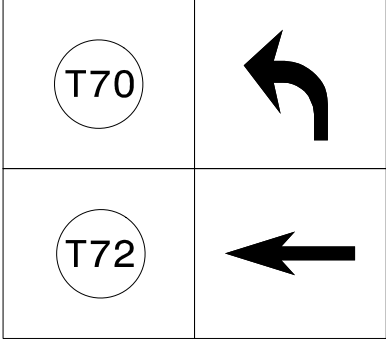
706 HILLSBOROUGH STREET

(SUITE 200)

RALEIGH, NC 27603

PH (919) 773-8887

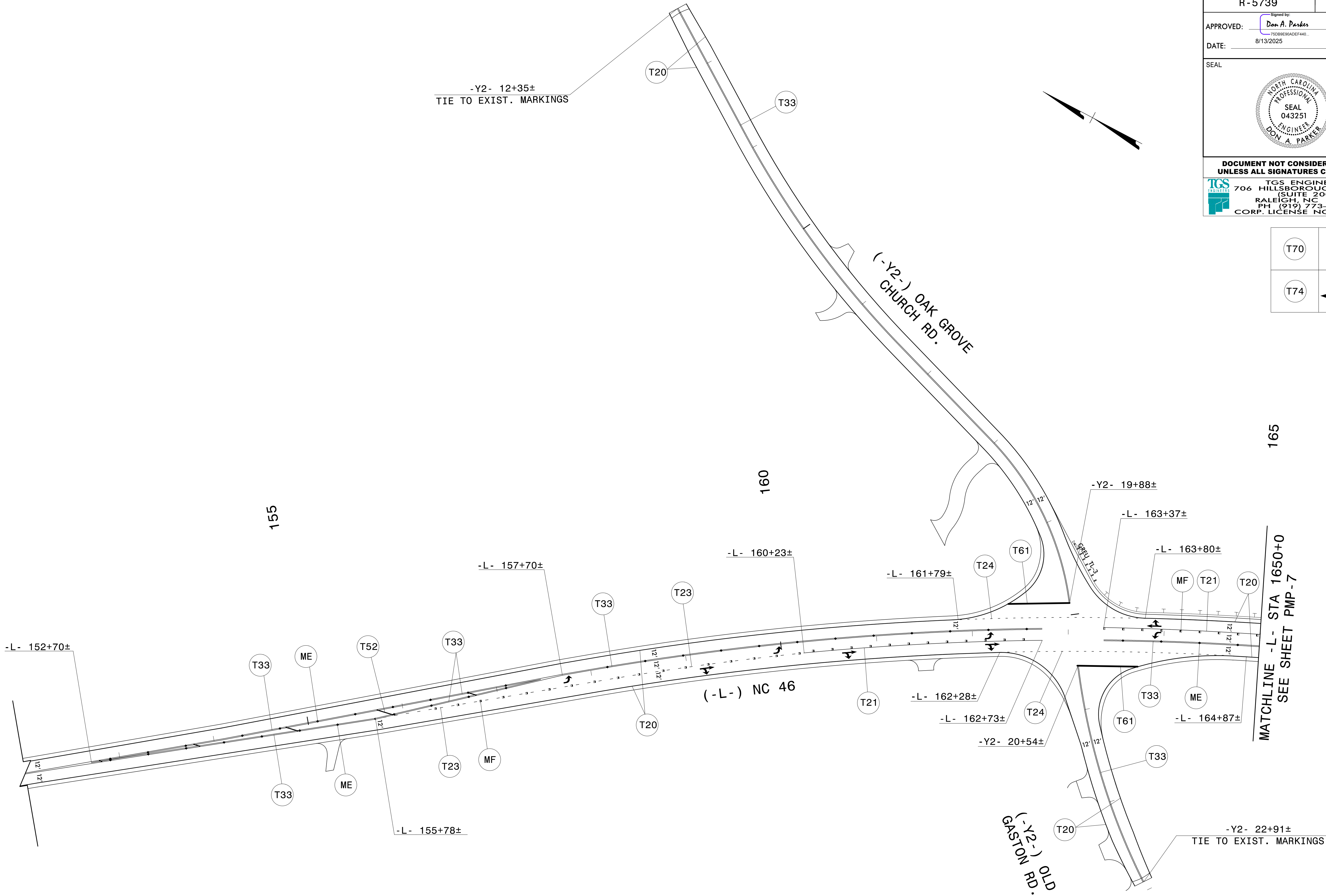
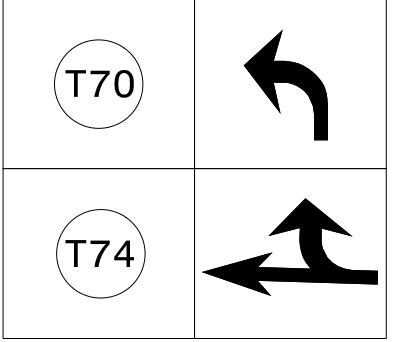
CORP. LICENSE NO.: C-0275



- NOTE:
1. SEE SHEET PMP-1 FOR FINAL PAVEMENT MARKINGS SCHEDULE.
 2. UNLESS OTHERWISE NOTED PLACE PAVEMENT MARKING SYMBOLS IN ACCORDANCE TO NCDOT STANDARDS.
 3. MF AND ME SEE NCDOT STD DRAWINGS 1250.01 AND PMP-1A FOR MARKER LOCATIONS AND SPACING.

PAVEMENT MARKING DETAIL
-L- STA 53+00 TO 66+00
-Y1- STA 10+00 TO 12+00

TIP NO.	SHEET NO.
R-5739	PMP-6
Signed by: APPROVED: <u>Don A. Parker</u>	
DATE: 8/13/2025	
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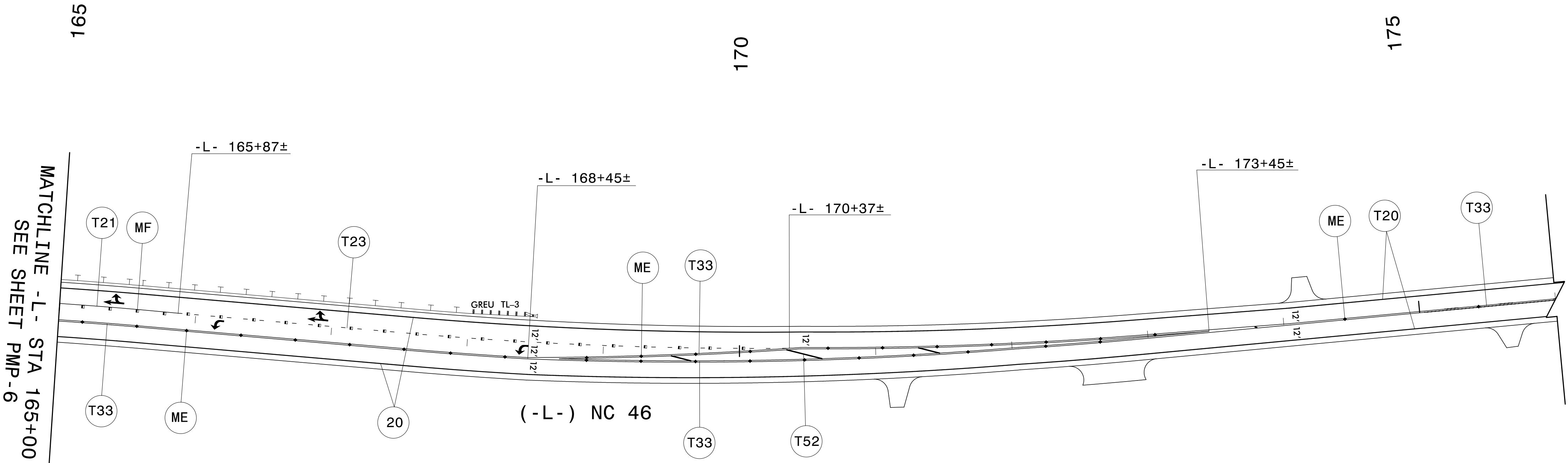


- NOTE:
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 3. MF AND ME SEE NCDOT STD DRAWINGS 1250.01 AND PMP-1A FOR MARKER LOCATIONS AND SPACING.

PAVEMENT MARKING DETAIL
-L- STA 152+00 TO 165+00
-Y2- STA 12+35 TO 22+91

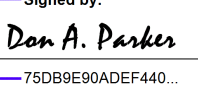
TIP NO.	SHEET NO.
R-5739	PMP-7
APPROVED: Don A. Parker TSC0690ADEF440...	
DATE: 8/13/2025	
SEAL	
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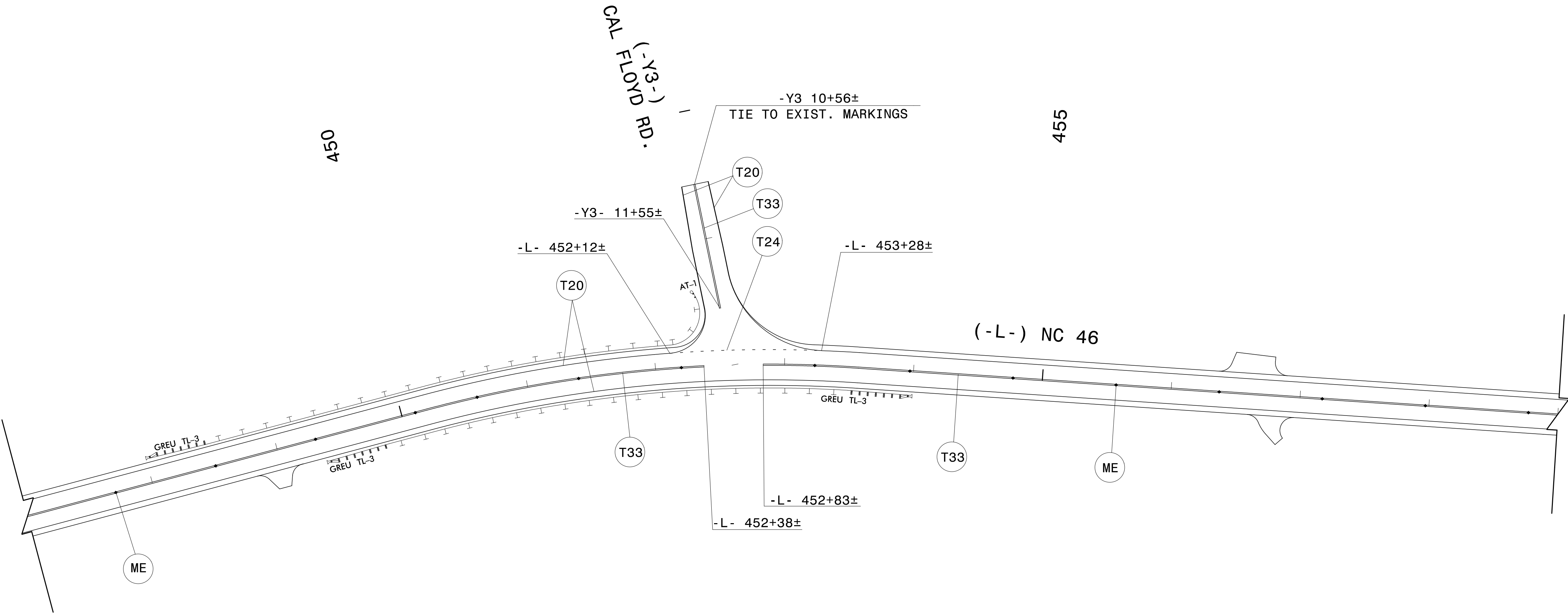
T70	
T74	



- NOTE:
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PAVEMENT MARKING DETAIL
-L- STA 165+00 TO 176+00

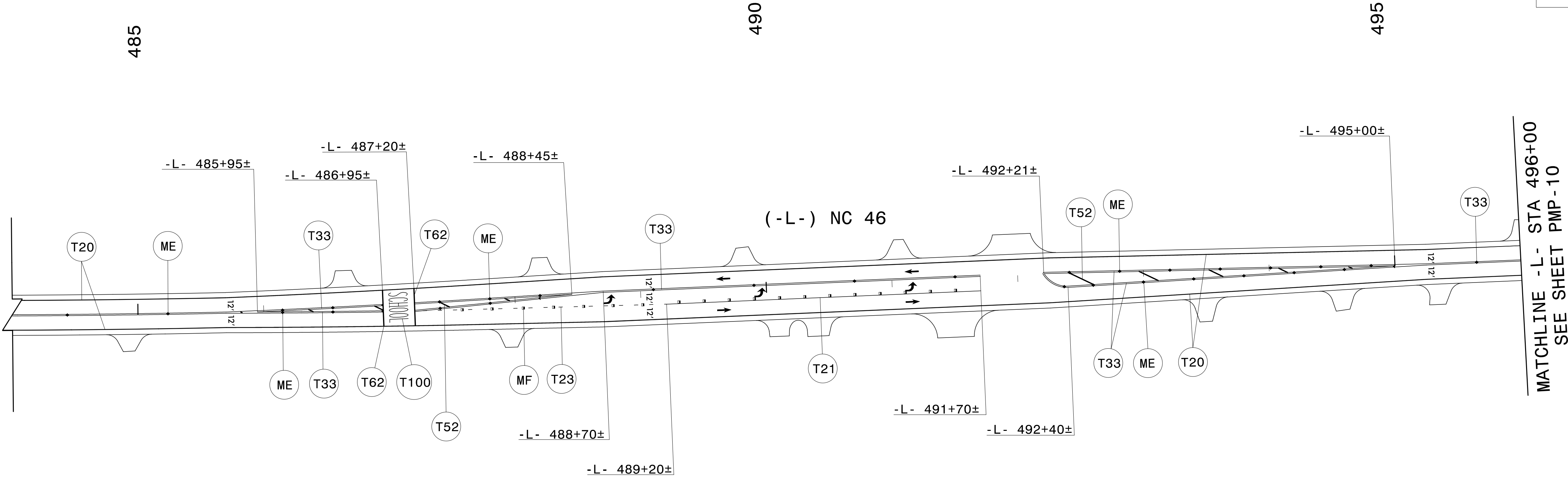
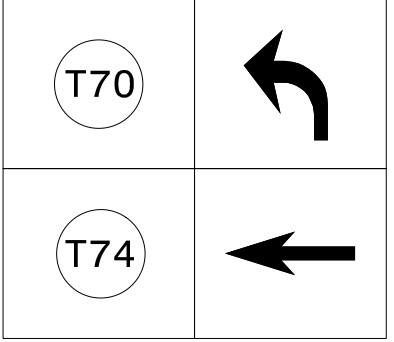
TIP NO.	SHEET NO.
R - 5739	PMP - 8
APPROVED: Signed by:  Don A. Parker 750B8E9ADEF440...	
DATE: 8/21/2025	
SEAL	
	
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PAVEMENT MARKING DETAIL
-L- STA 447+00 TO 459+00
-Y3- 10+56 TO 12+00

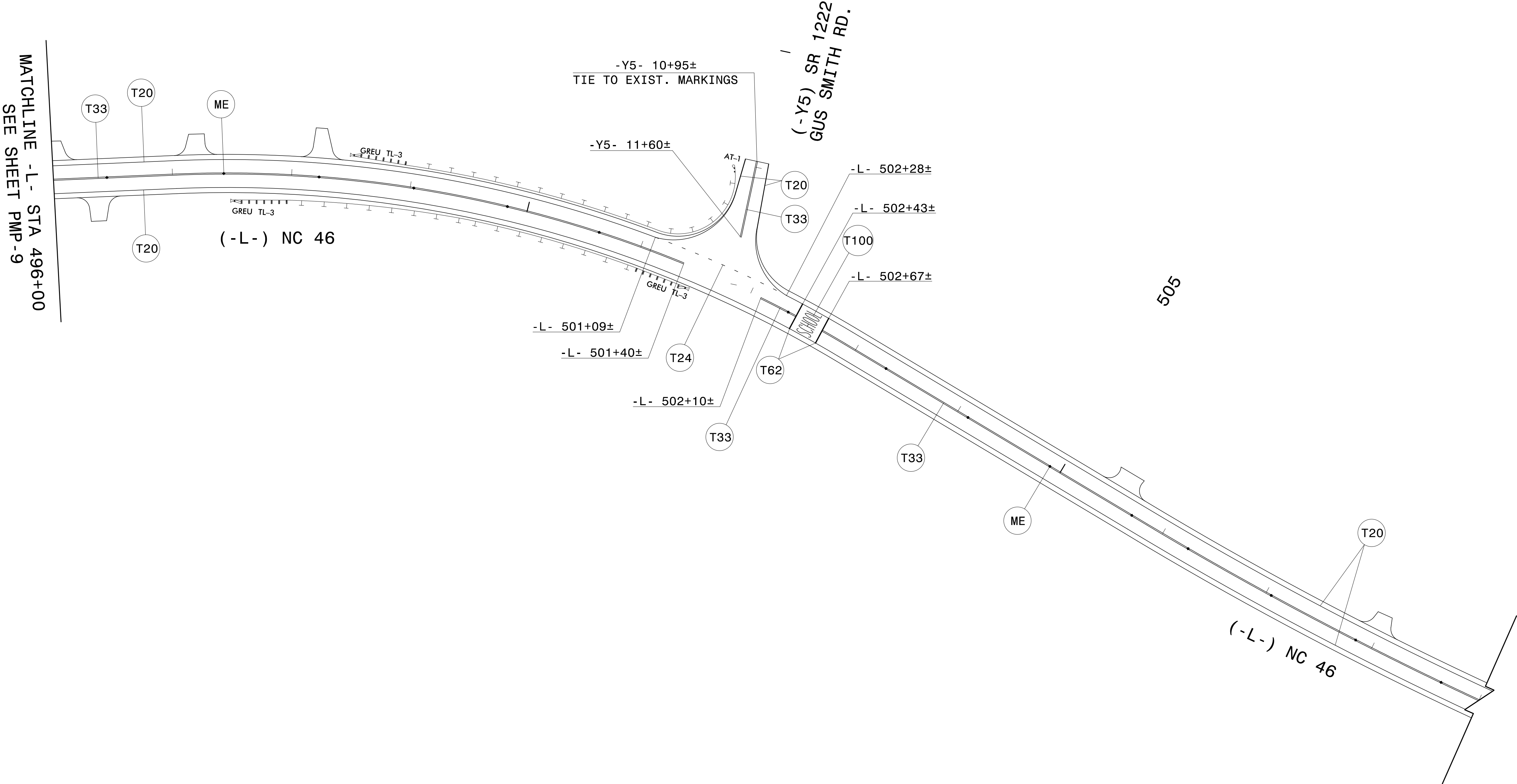
TIP NO.	SHEET NO.
R-5739	PMP-9
APPROVED: Don A. Parker	
DATE: 8/13/2025	
SEAL	
Professional Engineer Seal: Don A. Parker, License No. 043251, State of North Carolina	
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TGS ENGINEERS 706 HILLSBOROUGH STREET (SUITE 200) RALEIGH, NC 27603 PH (919) 773-8887 CORP. LICENSE NO.: C-0275	



- NOTE:
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 - MF AND ME SEE NCDOT STD DRAWINGS 1250.01 AND PMP-1A FOR MARKER LOCATIONS AND SPACING.

PAVEMENT MARKING DETAIL
-L- STA 484+00 TO 496+00

TIP NO.	SHEET NO.
R-5739	PMP-10
APPROVED: Don A. Parker	
DATE: 8/13/2025	
SEAL	
Professional Engineer Seal: Don A. Parker, Seal 043251, State of North Carolina	
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TGS ENGINEERS 706 HILLSBOROUGH STREET (SUITE 200) RALEIGH, NC 27603 PH (919) 773-8887 CORP. LICENSE NO.: C-0275	



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PAVEMENT MARKING DETAIL
-L- STA 496+00 TO 509+00
-Y5- STA 10+95 TO 12+00

TIP NO.
R - 5739

SHEET NO.
PMP - 11

APPROVED:

Don A. Parker

DATE: 8/13/2025

SEAL

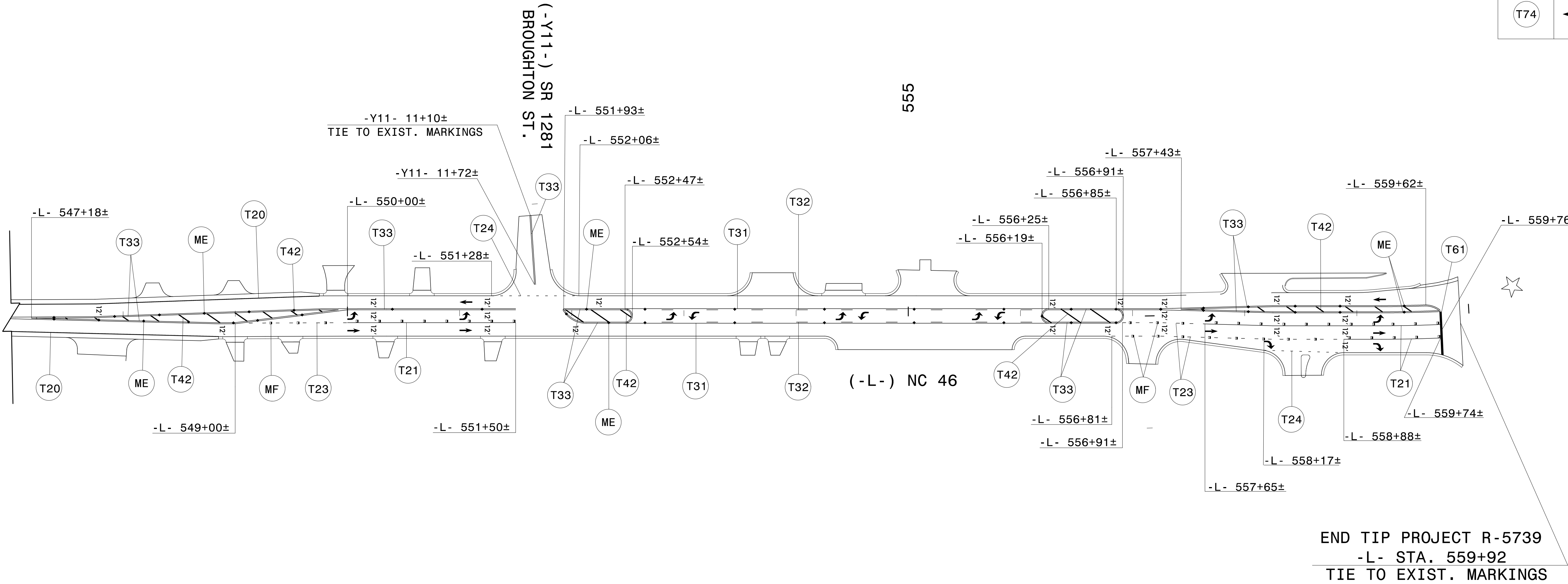
NORTH CAROLINA
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DON A. PARKER

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706 HILLSBOROUGH STREET
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RALEIGH, NC 27603
PH (919) 773-8887
CORP. LICENSE NO.: C-0275

T70	
T71	
T74	



- NOTE:
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 3. MF AND ME SEE NCDOT STD DRAWINGS 1250.01 AND PMP-1A FOR MARKER LOCATIONS AND SPACING.

PAVEMENT MARKING DETAIL
-L- STA 547+00 TO 559+92
-Y11- STA 11+10 TO 12+00