

TIP PROJECT: BP10-R013

STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

STV  
STV Engineers, Inc.  
2151 Hawkins St., Suite 1400  
Charlotte, NC 28203  
NC License Number F-0991

|                                                                                  |           |
|----------------------------------------------------------------------------------|-----------|
| TIP NO.                                                                          | SHEET NO. |
| BP10-R013                                                                        | PMP - 1   |
| APPROVED: <div>Signed by: Robert M. Kirk<br/>091FAA8D8054EE...</div>             |           |
| DATE: 6/5/2025                                                                   |           |
| SEAL                                                                             |           |
| <div>Seal: NORTH CAROLINA PROFESSIONAL ENGINEER ROBERT M. KIRK SEAL 042069</div> |           |
| DOCUMENT NOT CONSIDERED FINAL<br>UNLESS ALL SIGNATURES COMPLETED                 |           |

PAVEMENT MARKING AND SIGNING PLAN  
MECKLENBURG COUNTY

LOCATION: BRIDGE #590165 COFFEY CREEK ON SR 5469 (SHOPTON RD)

INDEX

| SHEET NO.        | DESCRIPTION                                   |
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| PMP-1            | PAVEMENT MARKING AND SIGNING PLAN TITLE SHEET |
| PMP-2            | PAVEMENT MARKING SCHEDULE                     |
| PMP-3 THRU PMP-6 | PAVEMENT MARKING DETAIL AND SIGNING PLAN      |

ROADWAY STANDARD DRAWINGS

THE FOLLOWING ROADWAY STANDARDS AS SHOWN 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                                                                          |
|----------|--------------------------------------------------------------------------------|
| 903.10   | GROUND MOUNTED SIGN SUPPORTS                                                   |
| 904.10   | ORIENTATION OF GROUND MOUNTED SIGNS                                            |
| 904.50   | MOUNTING OF TYPE 'D','E', AND 'F' SIGNS ON 'U' CHANNEL SUPPORTS                |
| 910.20   | SIGNING SCHOOL ZONE WITHOUT MARKED CROSSWALK WHERE SPEED REDUCTION IS REQUIRED |
| 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                                                 |
| 1205.07  | PAVEMENT MARKINGS - PEDESTRIAN CROSSWALKS                                      |
| 1205.08  | PAVEMENT MARKINGS - SYMBOLS AND WORD MESSAGES                                  |
| 1205.09  | PAVEMENT MARKINGS - PAINTED ISLANDS                                            |
| 1205.10  | PAVEMENT MARKINGS - SCHOOL AREAS                                               |
| 1205.12  | PAVEMENT MARKINGS - BRIDGES                                                    |
| 1205.16  | BICYCLE FACILITIES - BUFFERED BICYCLE LANES                                    |
| 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 ON THE FINAL SURFACE.

| ROAD NAME              | MARKING              | MARKERS |
|------------------------|----------------------|---------|
| SR 5469 (SHOPTON ROAD) | THERMO PLASTIC       | NONE    |
| SR 5469 (SHOPTON ROAD) | COLD APPLIED PLASTIC | 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) REPLACE ANY PAVEMENT MARKINGS BEYOND THE PROJECT LIMITS DAMAGED BY THE CONTRACTORS' OPERATIONS DURING CONSTRUCTION.

SIGNING GENERAL NOTES

A) SIGNS FURNISHED BY THE CONTRACT.

B) SIGNING PLANS DO NOT INCLUDE TEMPORARY CONSTRUCTION SIGNING. SEE TRAFFIC MANAGEMENT PLANS.

C) WHEN NOT STATIONED OR DIMENSIONED ON PLANS, ALL SIGNS SHALL BE FIELD LOCATED BY THE ENGINEER.

D) WHEN EXISTING SIGNS ARE REMOVED AND INSTALLED ON NEW SUPPORTS, THE RE-ERECTION SHALL IMMEDIATELY FOLLOW THE REMOVAL.

PLAN PREPARED BY:  
STV Engineers, Inc.

|                     |                         |
|---------------------|-------------------------|
| ROBERT M. KIRK, PE  | TRAFFIC ENGINEER        |
| CARLOS G. OWENS JR. | TRANSPORTATION DESIGNER |

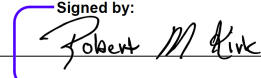
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8/17/99

5/19/2025  
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|                                                                                                                                                   |           |
|---------------------------------------------------------------------------------------------------------------------------------------------------|-----------|
| TIP NO.                                                                                                                                           | SHEET NO. |
| BP10-R013                                                                                                                                         | PMP-2     |
| Signed by:<br>APPROVED: <br>DATE: 6/5/2025<br>891FAA8D8C4EE... |           |
| SEAL<br>                                                       |           |
| DOCUMENT NOT CONSIDERED FINAL<br>UNLESS ALL SIGNATURES COMPLETED                                                                                  |           |

FINAL PAVEMENT MARKING SCHEDULE

SYMBOL

DESCRIPTION

PAVEMENT MARKINGS

THERMOPLASTIC (90 MIL)

|     |                               |
|-----|-------------------------------|
| T2  | 4" WHITE SOLID LANE LINE      |
| T4  | 4" 3' - 9' SP WHITE MINI SKIP |
| T5  | 4" 2' - 6' SP WHITE MINI SKIP |
| T11 | 4" YELLOW SINGLE CENTER       |
| T12 | 4' 10 FT. YELLOW SKIP         |
| T13 | 4" YELLOW DOUBLE CENTER       |
| T42 | 8" YELLOW DIAGONAL            |
| T61 | 24" WHITE TRANSVERSE BAND     |
| T62 | 24" WHITE CROSSWALK LINE      |

THERMOPLASTIC PAVEMENT MARKING SYMBOLS (90 MILS)

|      |                                         |
|------|-----------------------------------------|
| T70  | LEFT TURN ARROW                         |
| T71  | RIGHT TURN ARROW                        |
| T90  | BICYCLE SYMBOL, HEATED-IN-PLACE         |
| T91  | BICYCLE STRAIGHT ARROW, HEATED-IN-PLACE |
| T100 | ALPHANUMERIC CHAR.                      |

NOTE: ALL BICYCLE AND PEDESTRIAN MARKINGS SHOULD BE SKID RESISTANT.

COLD APPLIED PLASTIC

|     |                          |
|-----|--------------------------|
| C2  | 4" WHITE SOLID LANE LINE |
| C11 | 4" YELLOW SINGLE CENTER  |
| C12 | 4" 10 FT. YELLOW SKIP    |

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DATE: 6/5/2025

Signed by: Robert M. Lusk  
891FA4A8D8054EE...



| NOTES                                                                                              |
|----------------------------------------------------------------------------------------------------|
| 1) RELOCATE EXIST. SIGN SYSTEM AND ERECT NEW U-CHANNEL.<br>2) EACH W1-8 U-CHANNEL IS DOUBLE-FACED. |



8/17/99

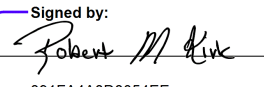
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# PAVEMENT MARKING AND SIGNING PLAN

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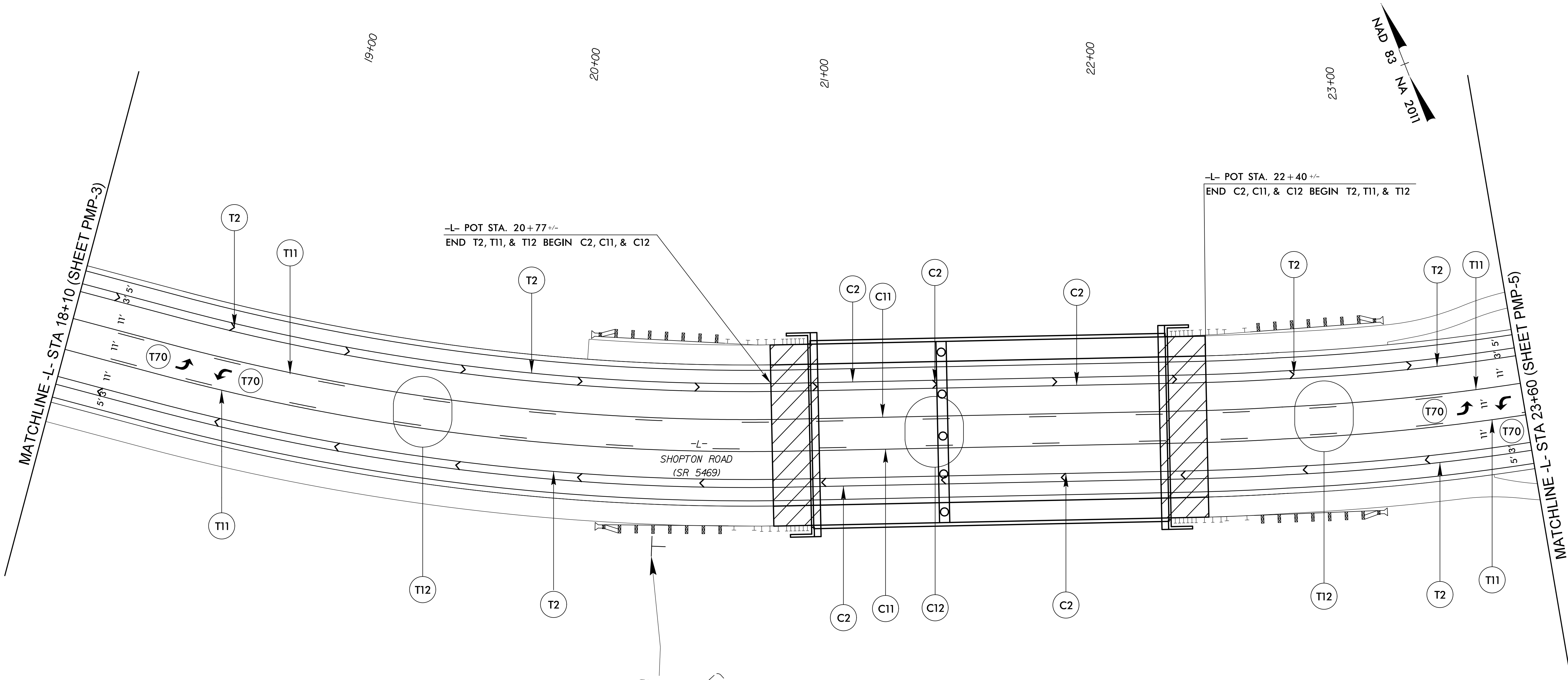
TIP NO.  
BP10-R013

SHEET NO.  
PMP - 4

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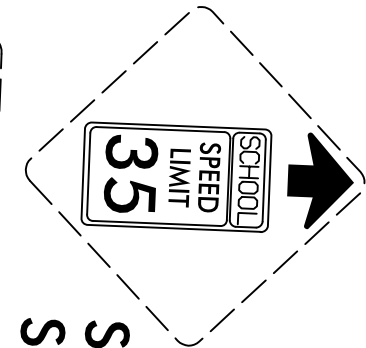
SEAL  


DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED



| PAVEMENT MARKING SCHEDULE  |                                  |
|----------------------------|----------------------------------|
| C2 - COLD APPLIED PLASTIC  | WHITE SOLID LANE LINE (4")       |
| C11 - COLD APPLIED PLASTIC | YELLOW SINGLE CENTER (4")        |
| C12 - COLD APPLIED PLASTIC | 10 FT. YELLOW SKIP (4")          |
| T2 - THERMOPLASTIC         | WHITE SOLID LANE LINE (4", 90ML) |
| T11 - THERMOPLASTIC        | YELLOW SINGLE CENTER ( 4", 90ML) |
| T12 - THERMOPLASTIC        | 10 FT. YELLOW SKIP ( 4", 90ML)   |
| T70 - THERMOPLASTIC        | LEFT TURN ARROW ( 90ML)          |

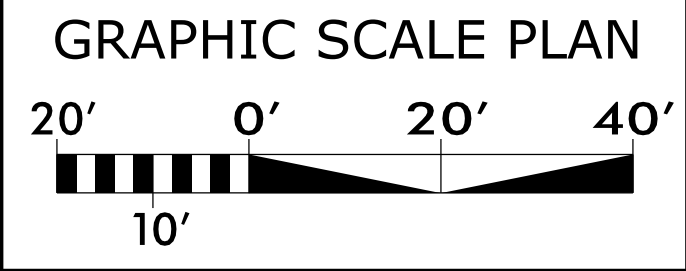
WHEN FLASHING



S5-2  
SEE NOTE 1

NOTES

1) RELOCATE EXIST. SIGN SYSTEM AND ERECT NEW U-CHANNEL.



SEE PMP-2 FOR PAVEMENT MARKING SCHEDULE

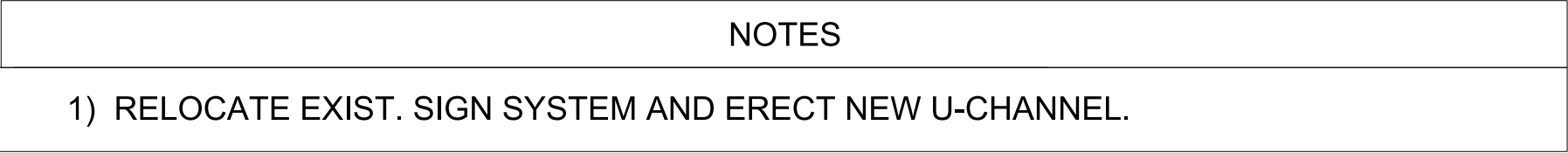
## PAVEMENT MARKING AND SIGNING PLAN DETAIL

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**GRAPHIC SCALE PLAN**

20' 0' 20' 40'

10'

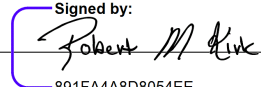


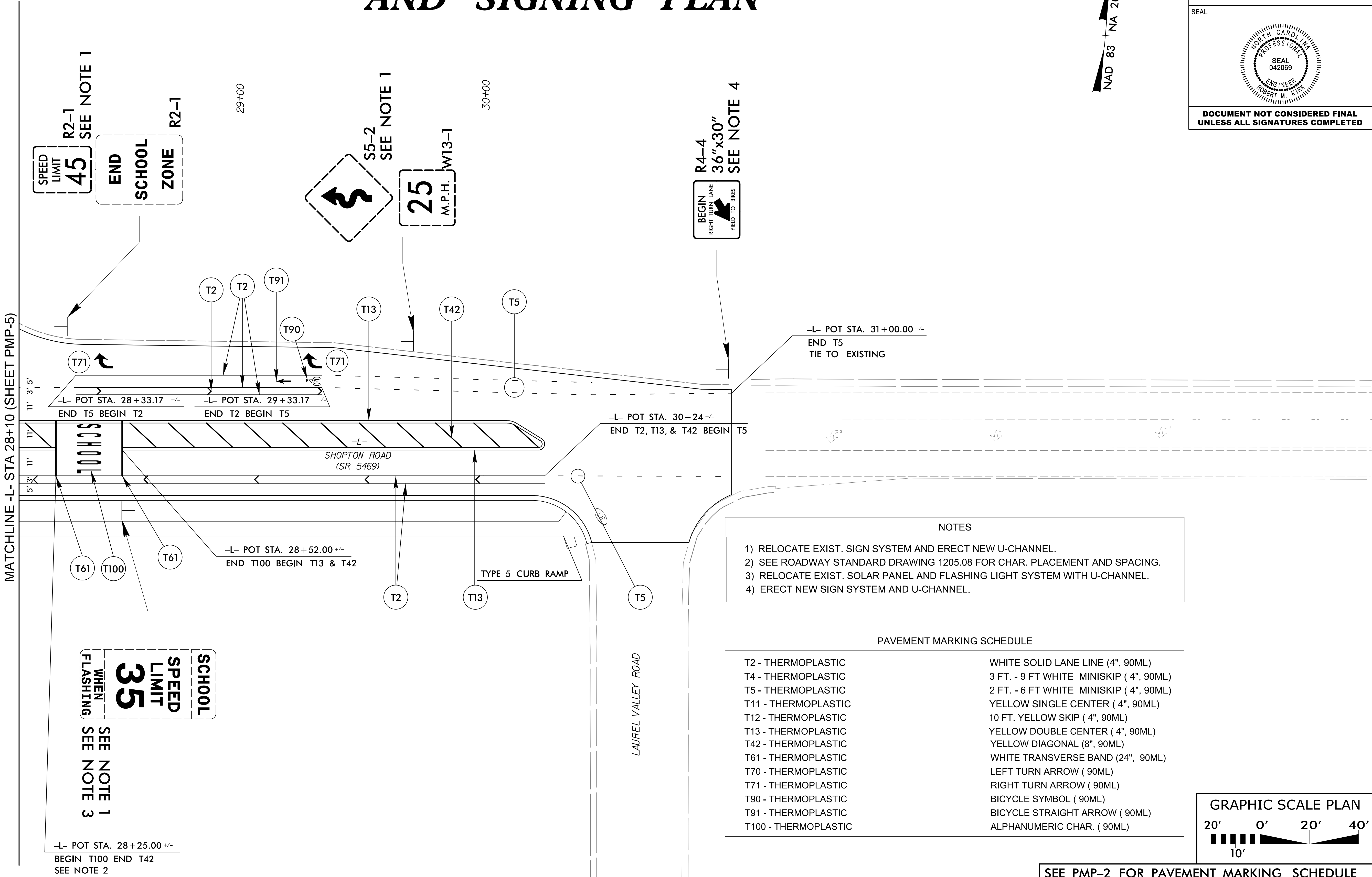
| PAVEMENT MARKING SCHEDULE |                                         |
|---------------------------|-----------------------------------------|
| T2 - THERMOPLASTIC        | WHITE SOLID LANE LINE (4", 90ML)        |
| T4 - THERMOPLASTIC        | 3 FT. - 9 FT WHITE MINISKIP ( 4", 90ML) |
| T5 - THERMOPLASTIC        | 2 FT. - 6 FT WHITE MINISKIP ( 4", 90ML) |
| T11 - THERMOPLASTIC       | YELLOW SINGLE CENTER ( 4", 90ML)        |
| T12 - THERMOPLASTIC       | 10 FT. YELLOW SKIP ( 4", 90ML)          |
| T13 - THERMOPLASTIC       | YELLOW DOUBLE CENTER ( 4", 90ML)        |
| T62 - THERMOPLASTIC       | WHITE CROSSWALK LINE (24", 90ML)        |
| T70 - THERMOPLASTIC       | LEFT TURN ARROW ( 90ML)                 |
| T90 - THERMOPLASTIC       | BICYCLE SYMBOL ( 90ML)                  |
| T91 - THERMOPLASTIC       | BICYCLE STRAIGHT ARROW ( 90ML)          |

# PAVEMENT MARKING AND SIGNING PLAN

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|                                                                                                                             |           |
|-----------------------------------------------------------------------------------------------------------------------------|-----------|
| TIP NO.                                                                                                                     | SHEET NO. |
| BP10-R013                                                                                                                   | PMP-6     |
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SEE PMP-2 FOR PAVEMENT MARKING SCHEDULE

**PAVEMENT MARKING AND  
SIGNING PLAN DETAIL**