

T.I.P.: HE-0016

**STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING & SIGNING PLAN  
BRUNSWICK COUNTY**

TIP NO. HE-0016	SHEET NO. PMSP-01
APPROVED: <small>45087888880488</small>	
DATE: 5/8/2026	
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PMSP-01B	PAVEMENT MARKINGS - LINE TYPES AND OFFSETS
PMSP-01C	PAVEMENT MARKING DETAIL - RAISED PAVEMENT MARKERS
PMSP-02 - 07	PAVEMENT MARKING DETAIL

**ROADWAY STANDARD DRAWING**

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:

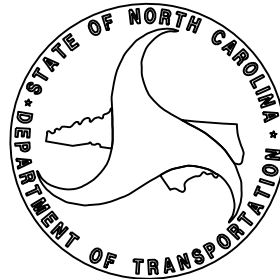
STD. NO.	TITLE
910.30	SIGNING SIGNALIZED AND UNSIGNALIZED SUPERSTREET
904.50	MOUNTING OF TYPE 'D', 'E' AND 'F' SIGNS ON 'U' CHANNEL POSTS
1205.01	PAVEMENT MARKINGS - LINE TYPES AND OFFSETS
1205.02	PAVEMENT MARKINGS - TWO-LANE AND MULTILANE ROADWAYS
1205.04	PAVEMENT MARKINGS - INTERSECTIONS
1205.05	PAVEMENT MARKINGS - TURN LANES
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1205.09	PAVEMENT MARKINGS - PAINTED ISLANDS
1250.01	RAISED PAVEMENT MARKERS - INSTALLATION SPACING

**FINAL PAVEMENT MARKING SCHEDULE**

SYMBOL	DESCRIPTION	PAY ITEM
T1	WHITE SOLID EDGE LINE	THERMOPLASTIC (4")
T2	WHITE SOLID LANE LINE	THERMOPLASTIC (4")
T4	3 FT. - 9 FT./SP WHITE MINISKIP	THERMOPLASTIC (4")
T5	2 FT. - 6 FT./SP WHITE MINISKIP	THERMOPLASTIC (4")
T10	YELLOW EDGELINE	THERMOPLASTIC (4")
T11	YELLOW SINGLE CENTER	THERMOPLASTIC (4")
T13	YELLOW DOUBLE CENTER	THERMOPLASTIC (4")
T20	WHITE SOLID EDGE LINE	THERMOPLASTIC (6")
T21	WHITE SOLID LANE LINE	THERMOPLASTIC (6")
T22	10 FT. - 30 FT./SP WHITE SKIP	THERMOPLASTIC (6")
T23	3 FT. - 9 FT./SP WHITE MINISKIP	THERMOPLASTIC (6")
T24	2 FT. - 6 FT./SP WHITE MINISKIP	THERMOPLASTIC (6")
T30	YELLOW EDGELINE	THERMOPLASTIC (6")
T34	2 FT. - 6 FT./SP YELLOW MINISKIP	THERMOPLASTIC (6")
T42	YELLOW DIAGONAL	THERMOPLASTIC (8")
T50	WHITE GORELINE	THERMOPLASTIC (12")
T51	WHITE DIAGONAL	THERMOPLASTIC (12")
T61	WHITE STOPBAR	THERMOPLASTIC (24")
T70	LEFT TURN ARROW	THERMOPLASTIC PAVEMENT MARKING SYMBOLS
T71	RIGHT TURN ARROW	THERMOPLASTIC PAVEMENT MARKING SYMBOLS
T72	STRAIGHT ARROW	THERMOPLASTIC PAVEMENT MARKING SYMBOLS
T74	RIGHT/STRAIGHT TURN ARROW	THERMOPLASTIC PAVEMENT MARKING SYMBOLS
T75	LEFT/RIGHT TURN ARROW	THERMOPLASTIC PAVEMENT MARKING SYMBOLS
T100	ALPHANUMERIC CHARACTER	THERMOPLASTIC PAVEMENT MARKING CHARACTER
T103	24" YIELD LINE TRIANGLE	THERMOPLASTIC (24")
MF	CRYSTAL & RED	POLYCARBONATE H-SHAPED MARKER

**PLAN SUBMITTED TO:**

**Brian Harding, P.E., Division Design Engineer**



**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
1) -L1-, -L2-, -L3-, -DWY1-	THERMOPLASTIC	NONE
2) -Y1-	THERMOPLASTIC	POLYCARBONATE H-SHAPED MARKER
  - 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.
  - G) ALL STATION ARE CONSIDERED +/- UNLESS OTHERWISE SHOWN ON THE PLANS.
  - H) ALL PAVEMENT MARKINGS ARE 90 MILS UNLESS OTHERWISE NOTED IN THE FINAL PAVEMENT MARKING SCHEDULE.
  - I) SIGNS FURNISHED BY CONTRACTOR.
  - J) IF REMOVAL OR RELOCATION OF SIGNS ON PRIVATE STREET (NON-STATE MAINTAINED) IS REQUIRED DUE TO CONSTRUCTION, THE CONTRACTOR SHALL INFORM THE ENGINEER. THE WORK WILL BE COMPLETED BY OTHERS.
  - K) WHEN NOT STATIONED OR DIMENSIONED ON PLANS, ALL 'E' SIGNS SHALL BE FIELD LOCATED BY THE ENGINEER.
  - L) ALL EXISTING SIGNS ON "U" CHANNEL POST WITHIN THE PROJECT LIMITS SHALL BE REMOVED AND DISPOSED OF UNLESS OTHERWISE NOTED ON PLANS.
  - M) THE BACKGROUND FOR TYPE E SIGNS SHALL BE TYPE C REFLECTIVE SHEETING.

**SUMMARY OF QUANTITIES**

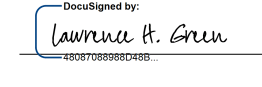
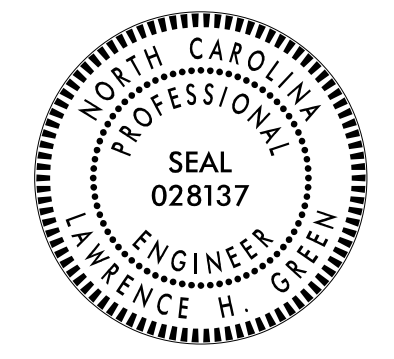
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DESC. NO.	SECT. NO.			
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4072000000	903	SUPPORTS, 3 LB STEEL U-CHANNEL	639.6	L.F.
4102000000	904	SIGN ERECTION, TYPE E	41	EA.
4155000000	907	DISPOSAL OF SIGN SYSTEM, U-CHANNEL	2	EA.

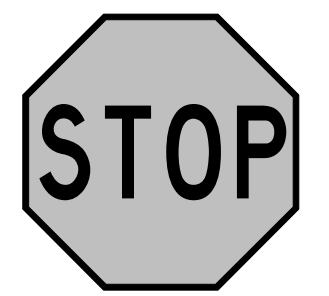
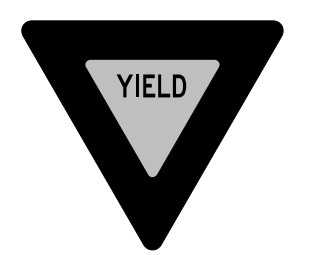
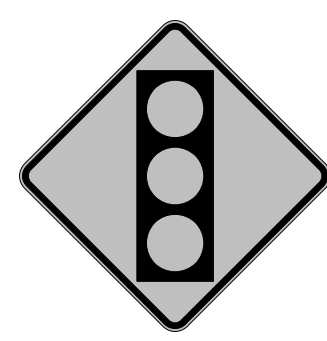






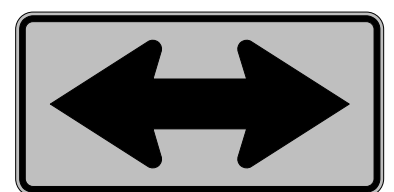

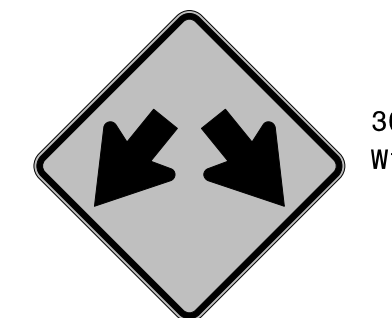

**PLAN PREPARED BY: Wetherill Engineering, Inc.**

**Larry Green, P.E.** Project Manager  
**D. Allen Hayes, E.I.** Traffic Design Engineering Intern



TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN  
CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

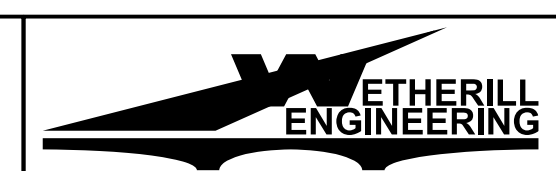
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<b>401</b> QUANTITY REQ'D 6   30" x 30" R01-01  ONE 3LB/FT U-CHANNEL POST	<b>402</b> QUANTITY REQ'D 3   36" x 36" R01-02  ONE 3LB/FT U-CHANNEL POST	<b>403</b> QUANTITY REQ'D 4   30" x 30" W03-03  ONE 3LB/FT U-CHANNEL POST	<b>404</b> QUANTITY REQ'D 3   24" x 30" R02-01  ONE 3LB/FT U-CHANNEL POST	<b>405</b> QUANTITY REQ'D 2   24" x 24" R03-04  ONE 3LB/FT U-CHANNEL POST	<b>406</b> QUANTITY REQ'D 3   24" x 30" R04-07  ONE 3LB/FT U-CHANNEL POST	
<b>407</b> QUANTITY REQ'D 2   24" x 24" R05-02a  MOUNT BELOW SIGN 405 IN 2 INSTALLATIONS	<b>408</b> QUANTITY REQ'D 4   36" x 12" R06-01L  TWO 3LB/FT U-CHANNEL POSTS MOUNT BACK TO BACK WITH SIGN 409 IN 2 INSTALLATIONS	<b>409</b> QUANTITY REQ'D 3   36" x 12" R06-01R  TWO 3LB/FT U-CHANNEL POSTS MOUNT BACK TO BACK WITH SIGN 408 IN 2 INSTALLATIONS	<b>410</b> QUANTITY REQ'D 2   48" x 24" W01-07  ONE 3LB/FT U-CHANNEL POST	<b>411</b> QUANTITY REQ'D 4   36" x 36" W03-04  ONE 3LB/FT U-CHANNEL POST	<b>412</b> QUANTITY REQ'D 1   30" x 30" W12-01  ONE 3LB/FT U-CHANNEL POST	<b>413</b> QUANTITY REQ'D 4   30" x 24" W16-13  MOUNT BELOW SIGN 413 IN 2 INSTALLATIONS

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 User: AHayes

**PROJECT NOTES**

- 1 SIGN ERECTION, TYPE D, E, AND F
- 2 DISPOSAL OF SIGN SYSTEM, U-CHANNEL



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**TYPE "E" SIGNS**

PROJECT REFERENCE NO. SHEET NO.

<p><b>CONTINUOUS LINES</b></p> <p><b>EDGE LINE</b> YELLOW OR WHITE 4" / 6"</p> <p><b>LANE LINE</b> WHITE 4" / 6"</p> <p><b>CENTER LINE</b> YELLOW 4" / 6"</p> <p><b>GORE LINE</b> WHITE 8" / 12"</p> <p><b>DIAGONAL LINE</b> YELLOW OR WHITE 12" 45 MPH OR HIGHER 8" LESS THAN 45 MPH 4" - 6" FOR BICYCLE FACILITIES</p> <p><b>CROSSWALK LINE</b> WHITE 8" TRANSVERSE 24" LONGITUDINAL</p> <p><b>RxR LINE</b> WHITE 16"</p> <p><b>STOP OR TRANSVERSE BAR</b> WHITE 24"</p>	<p><b>10'-30'/SP SKIP LINE</b></p> <p>UNLESS OTHERWISE SHOWN, USE 10'-30'/SP SKIPS FOR SKIP LANE LINES AND SKIP CENTER LINES.</p> <p>YELLOW OR WHITE</p>	<p><b>2'-6'/SP MINI-SKIP LINE</b></p> <p>UNLESS OTHERWISE SHOWN, USE 2'-6'/SP MINI-SKIPS FOR LANE LINE EXTENSIONS THROUGH INTERSECTIONS, EDGE LINE EXTENSIONS THROUGH INTERSECTIONS AND BICYCLE LANE EXTENSIONS.</p> <p>YELLOW OR WHITE</p>	<p>STATE OF NORTH CAROLINA DEPT. OF TRANSPORTATION DIVISION OF HIGHWAYS RALEIGH, N.C.</p> <p>ROADWAY DETAIL DRAWING FOR <b>PAVEMENT MARKINGS</b> LINE TYPES AND OFFSETS</p>
	<p><b>3'-3'/SP MINI-SKIP LINE</b></p> <p>UNLESS OTHERWISE SHOWN, USE 3'-3'/SP MINI-SKIPS FOR THE WHITE EDGE LINE EXTENSIONS AT ROUNDABOUTS.</p> <p>WHITE</p>	<p><b>3'-9'/SP MINI-SKIP LINE</b></p> <p>UNLESS OTHERWISE SHOWN, USE 3'-9'/SP MINI-SKIPS FOR MINI-SKIP LANE LINES, LINE EXTENSIONS THROUGH TAPERS, AND MINI-SKIPS USED FOR BICYCLE LANE LINES.</p> <p>WHITE</p>	
	<p>GENERAL NOTES:</p> <p>1- USE 6" LANE, EDGE, AND CENTER LINES ON ALL FULL CONTROL OF ACCESS FACILITIES AND OTHER ROUTES AS DIRECTED BY THE ENGINEER.</p> <p>2- LANE LINES INDICATED AS "WIDE" ON THE ROADWAY STANDARD DRAWINGS SHALL BE AT LEAST TWICE THE WIDTH OF THE NORMAL LINE.</p> <p>3- GORE LINES SHALL BE TWICE THE WIDTH OF THE NORMAL LINE.</p>		
	<p>SHEET 1 OF 2 <b>1205D01</b></p>		



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

**SEE TITLE BLOCK**

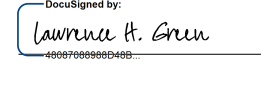
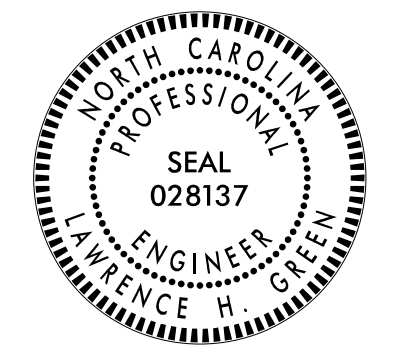
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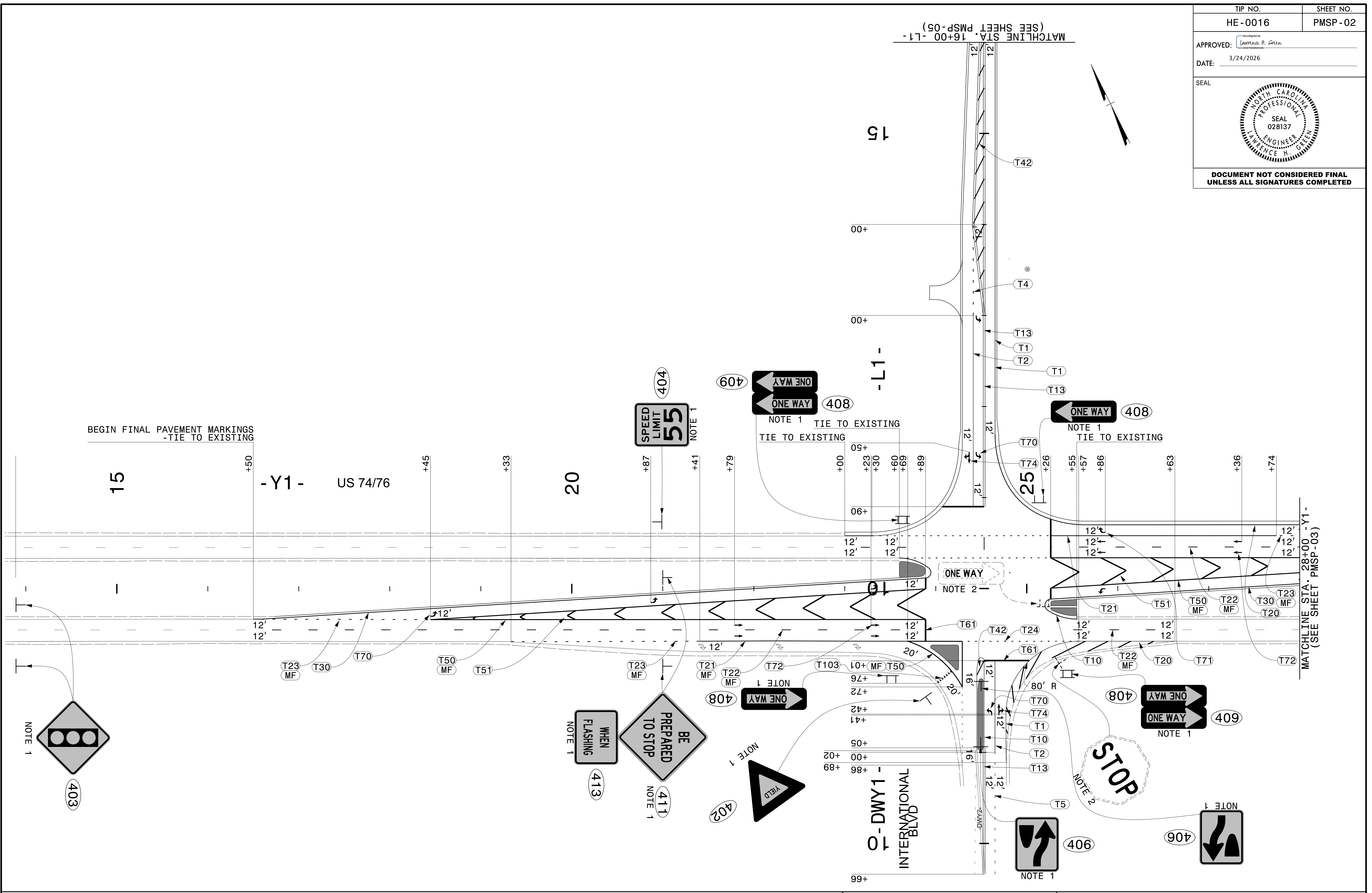
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TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN  
CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

**PAVEMENT MARKING DETAIL**

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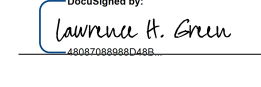
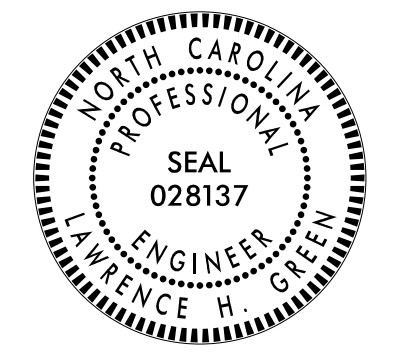
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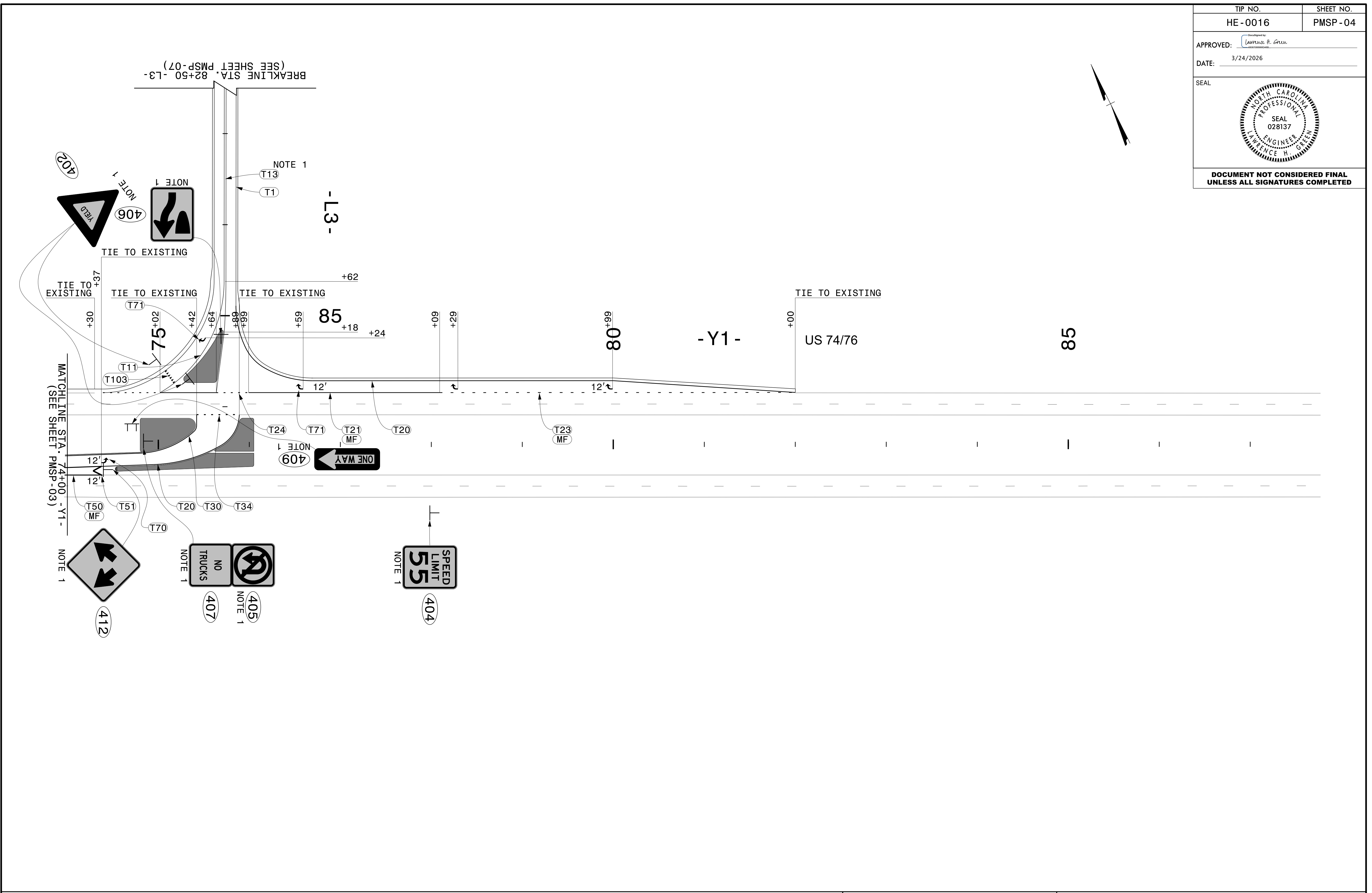
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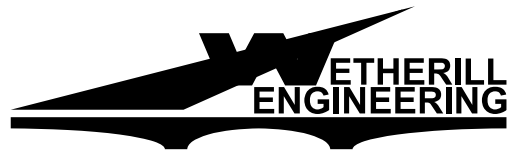


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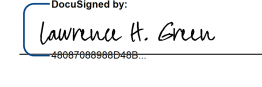
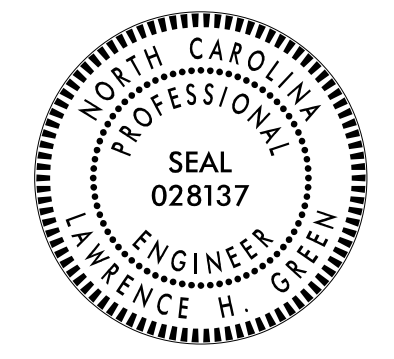
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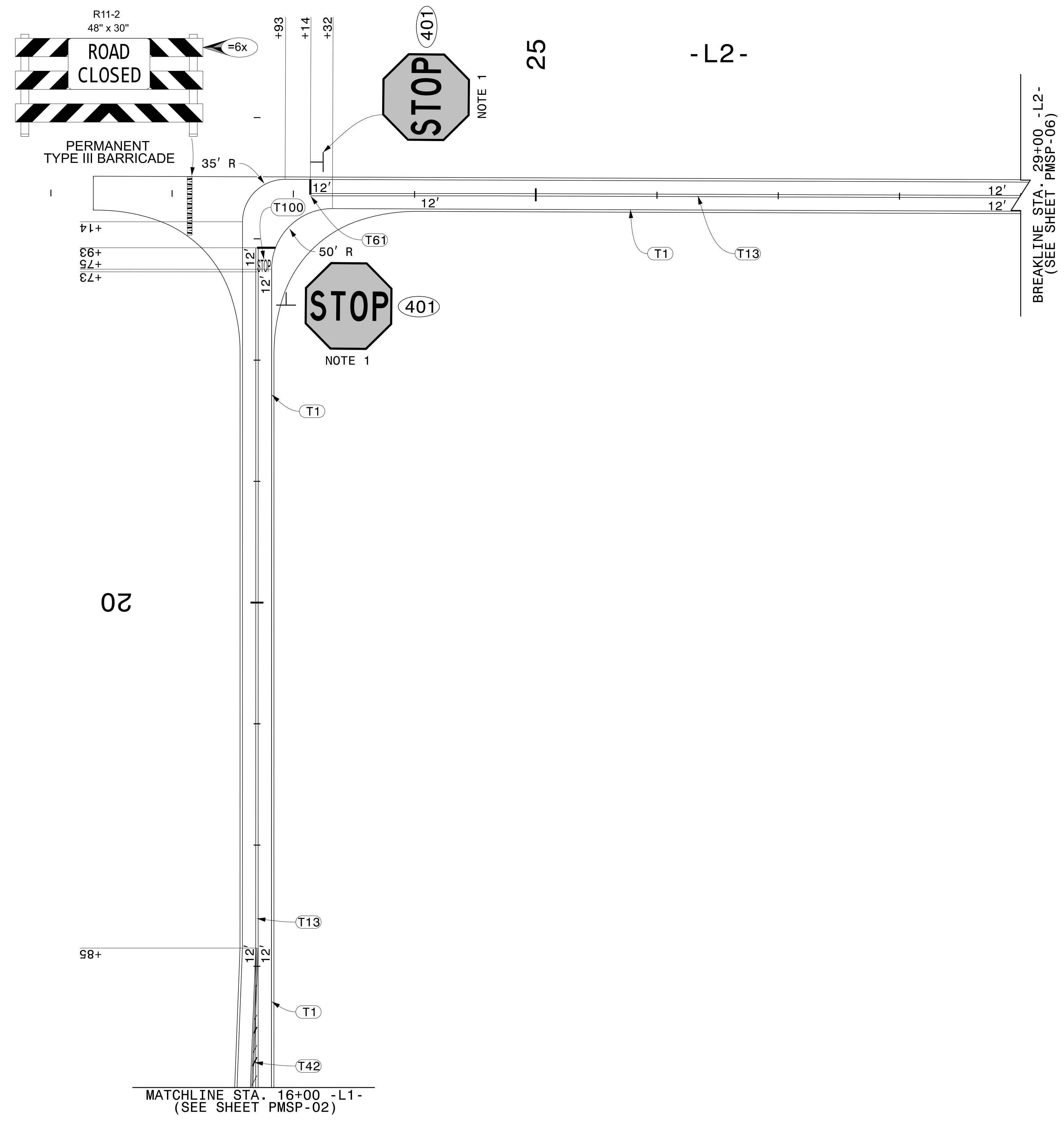


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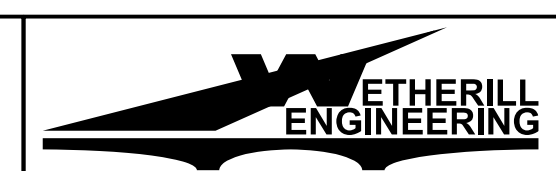
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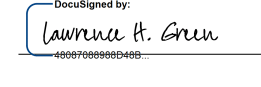
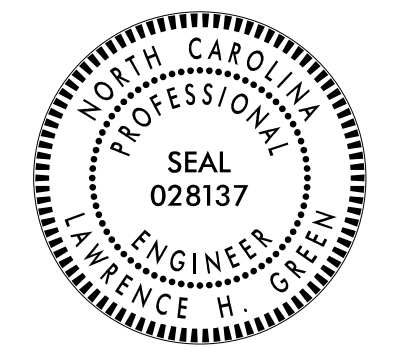
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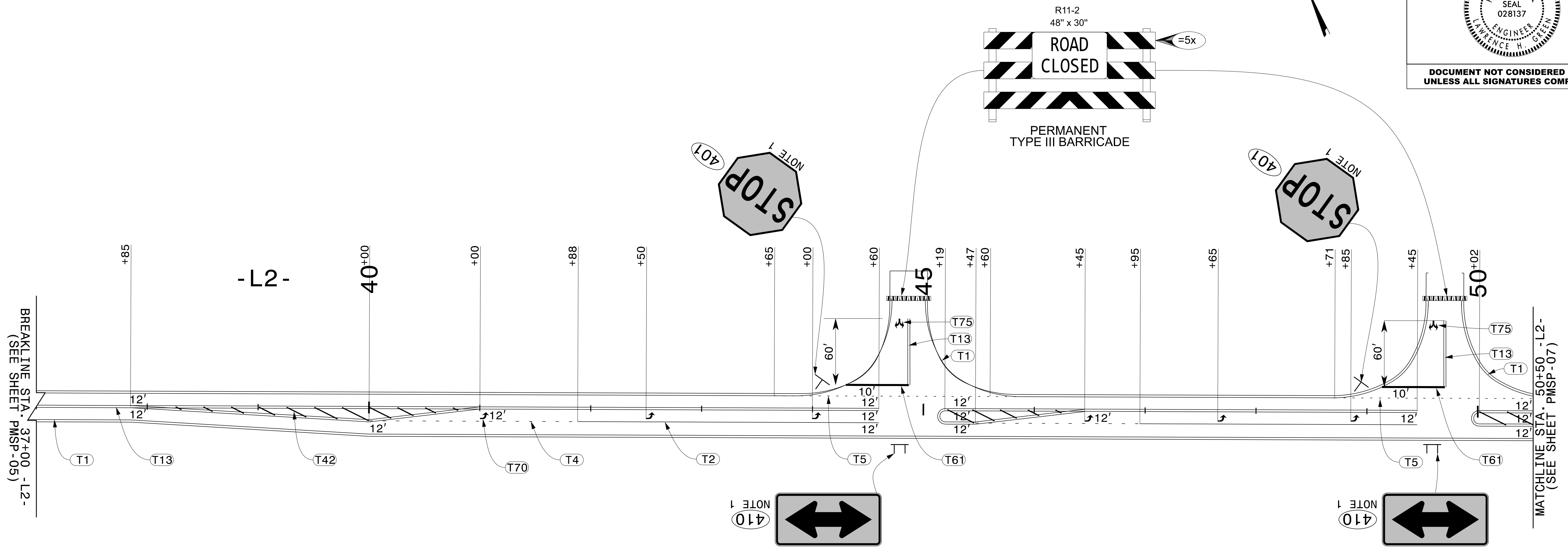


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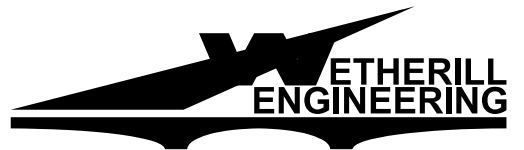
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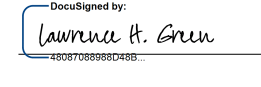
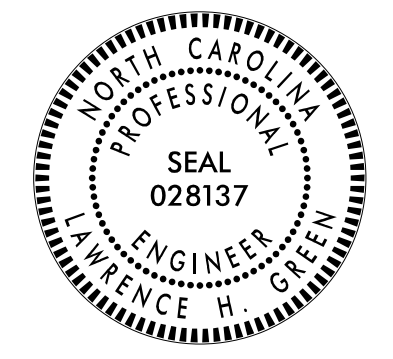
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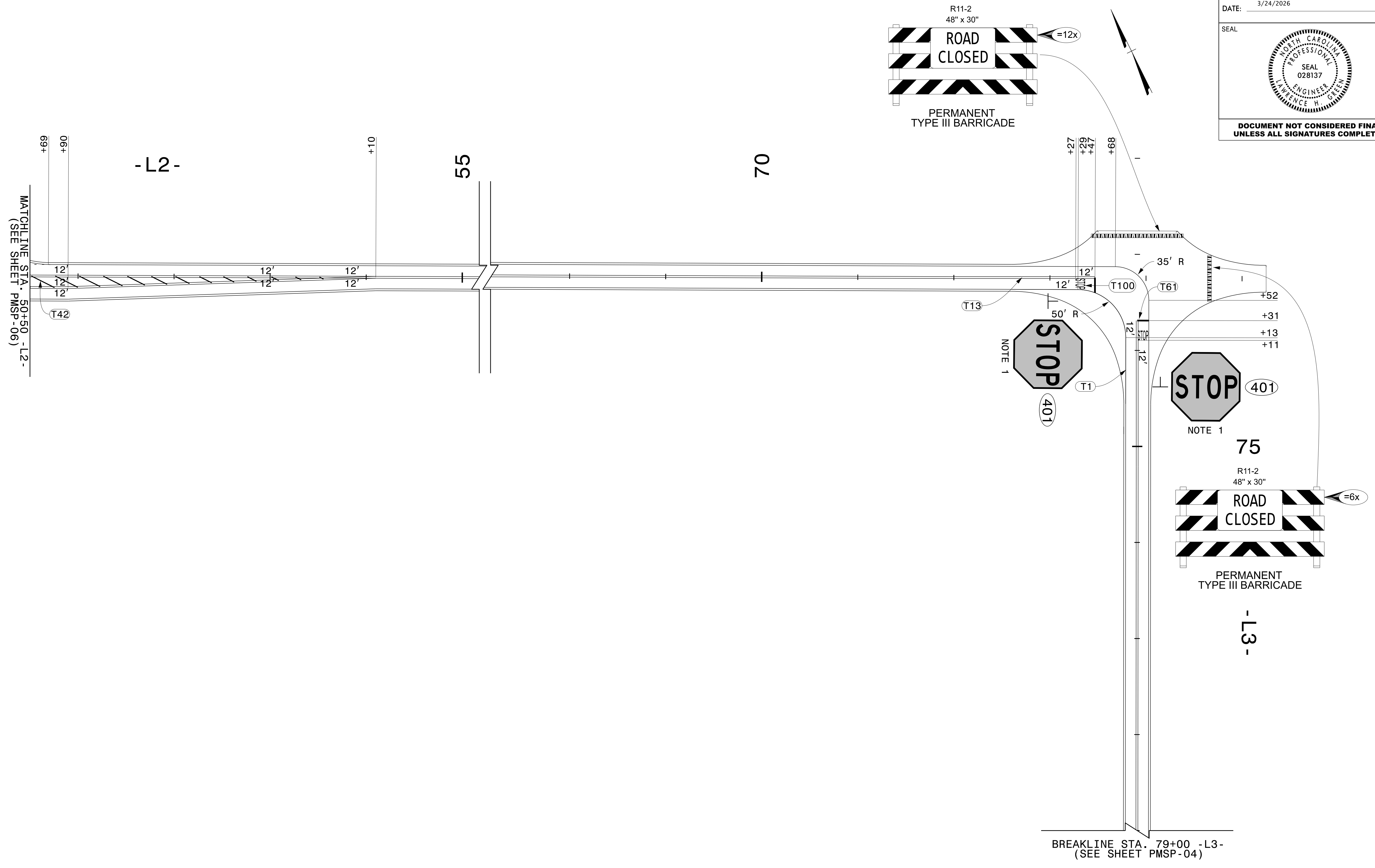


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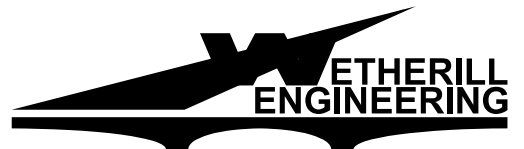
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