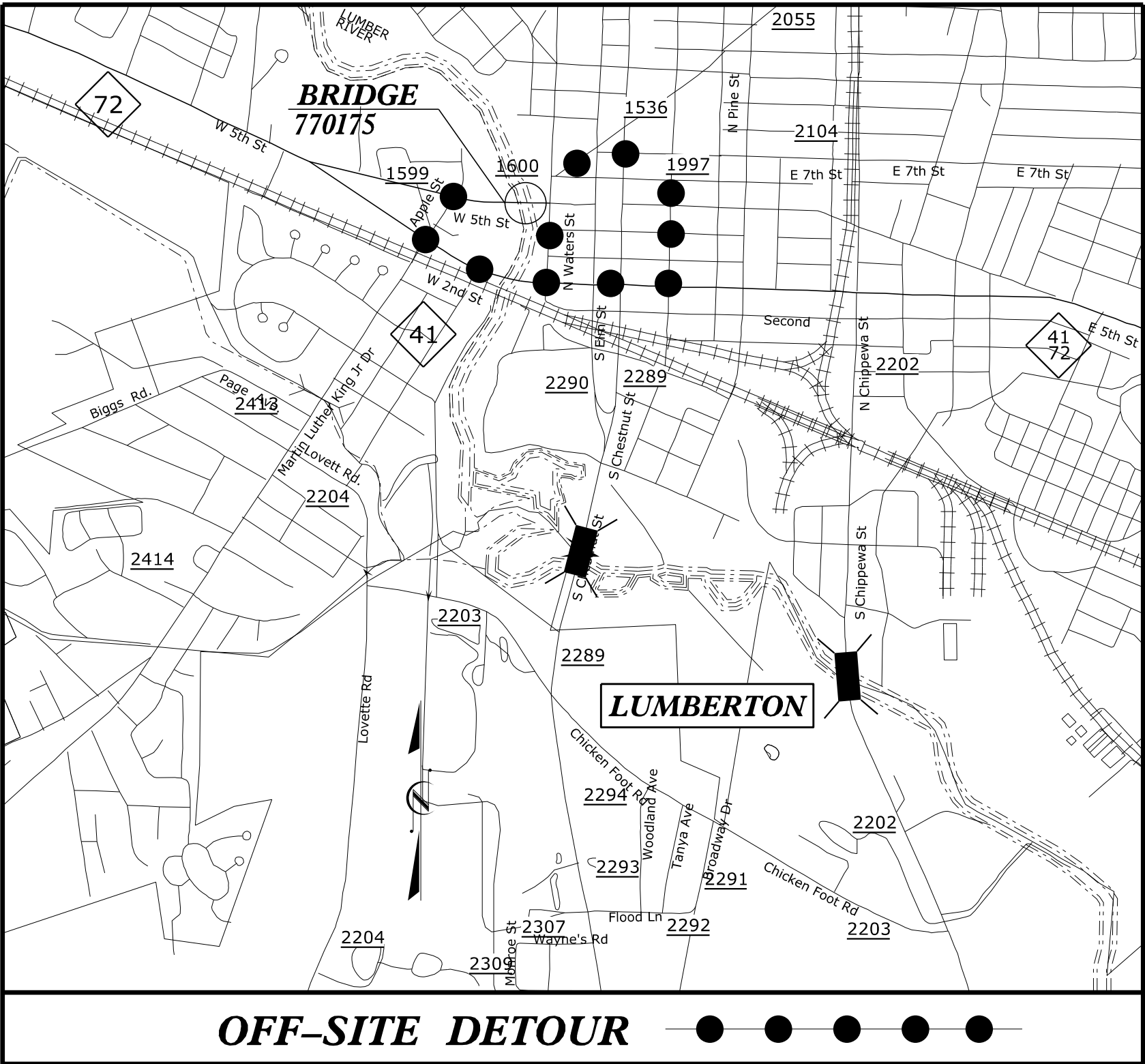
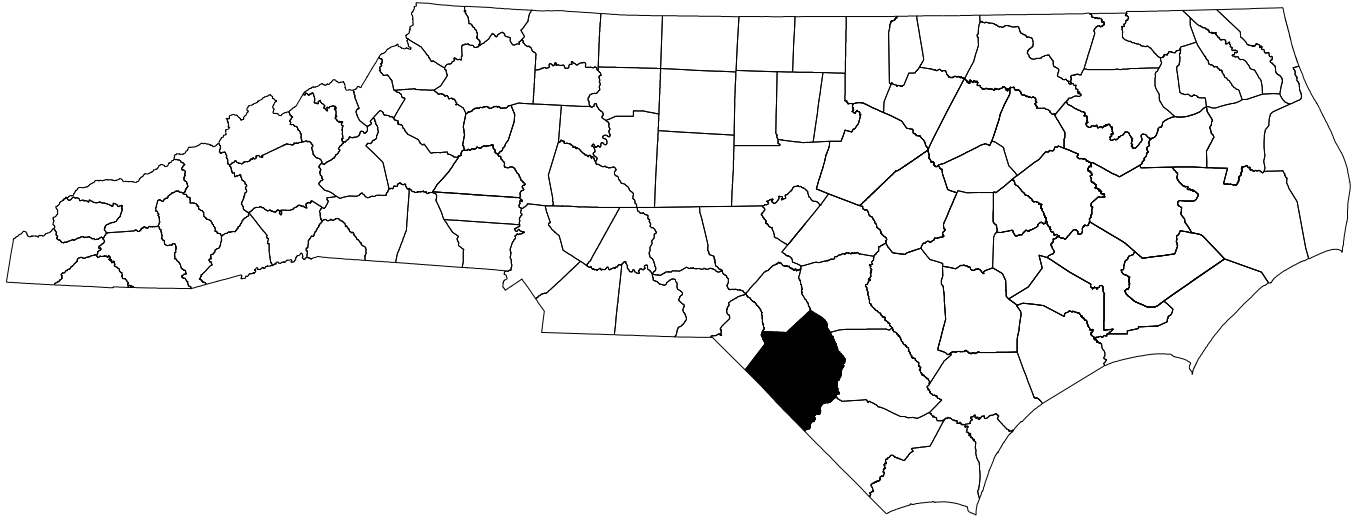


STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

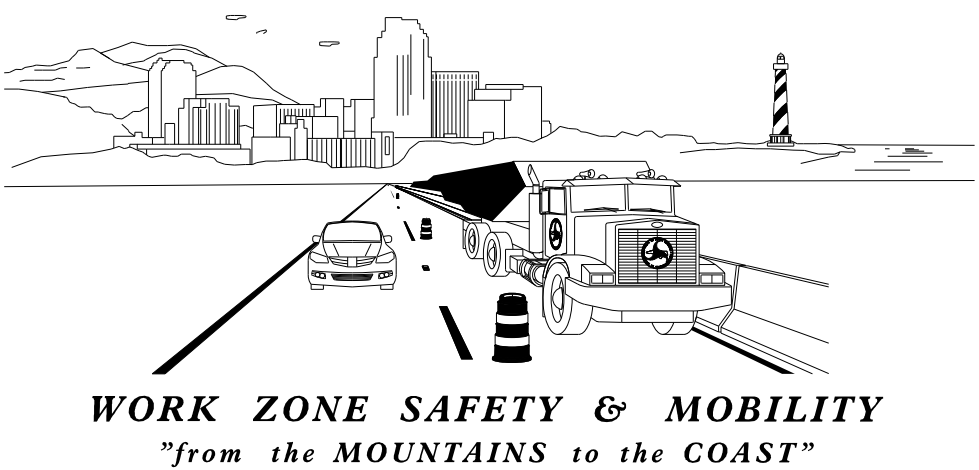
TRANSPORTATION MANAGEMENT PLAN

ROBESON COUNTY



LOCATION: BRIDGE NO. 770175 OVER LUMBER RIVER ON SR 1600

TYPE OF WORK: GRADING, DRAINAGE, SIGNALS, PAVING & STRUCTURES



PLANS PREPARED BY:

LARRY GREEN, P.E.

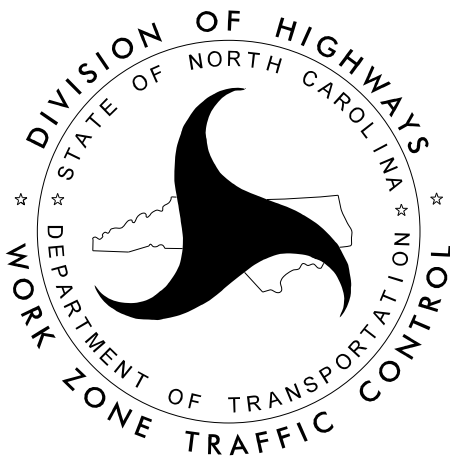
D. ALLEN HAYES, E.I.

NCDOT CONTACTS:

TIERRE PETERSON, P.E.

PROJECT ENGINEER

PROJECT DESIGN ENGINEER



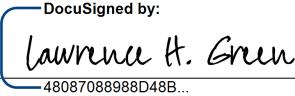
BRIDGE 770175



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License No. F-0377
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Fax: 919 851 8107

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

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APPROVED: 

DATE: 1/9/2025

SEAL



SHEET NO.
TMP-01

B-5985B

TIP PROJECT:

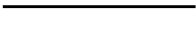
ROADWAY STANDARD DRAWINGS

THE FOLLOWING ROADWAY STANDARDS AS SHOWN IN "ROADWAY STANDARD DRAWINGS" - 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
1101.03	TEMPORARY ROAD CLOSURES
1110.01	STATIONARY WORK ZONE SIGNS
1130.01	DRUMS
1145.01	BARRICADES
1205.07	PAVEMENT MARKINGS - PEDESTRIAN CROSSWALKS

LEGEND

GENERAL

-  DIRECTION OF TRAFFIC FLOW
-  DIRECTION OF PEDESTRIAN TRAFFIC FLOW
-  EXIST. PVMT.
-  NORTH ARROW
-  PROPOSED PVMT.
-  WORK AREA

TRAFFIC CONTROL DEVICES

-  BARRICADE (TYPE III)
-  PEDESTRIAN BARRICADE
-  CHANGEABLE MESSAGE SIGN

TEMPORARY SIGNING

-  STATIONARY SIGN

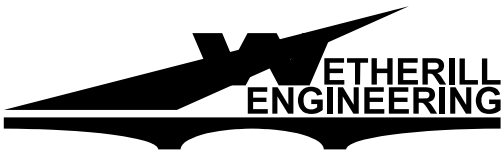
PAVEMENT MARKINGS

-  EXISTING LINES
-  TEMPORARY LINES

TEMPORARY PAVEMENT MARKING

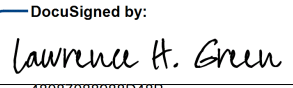
SYMBOL	DESCRIPTION	PAY ITEM
C46	WHITE CROSSWALK LINE	COLD APPLIED PLASTIC, TYPE IV (8")

BRIDGE 770175

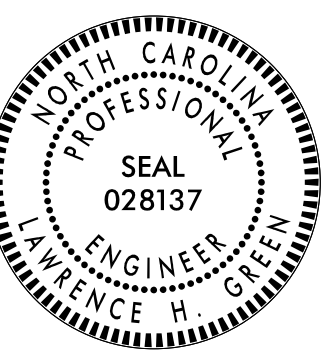


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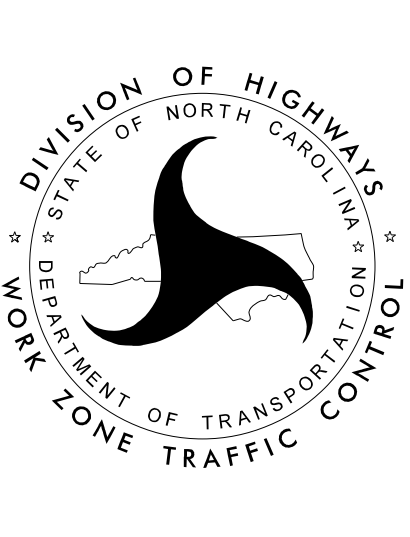
TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN
CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

APPROVED: 

DATE: 1/9/2025



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LIST OF APPLICABLE
ROADWAY STANDARD
DRAWINGS, AND LEGEND

R11-3 60" X 30" ROAD CLOSED #.# MILES AHEAD LOCAL TRAFFIC ONLY ← DETOUR M4-10L 48" X 18" TYPE III BARRICADE A	R11-3 60" X 30" ROAD CLOSED #.# MILES AHEAD LOCAL TRAFFIC ONLY DETOUR→ M4-10R 48" X 18" TYPE III BARRICADE B	R11-2 48" X 30" ROAD CLOSED TYPE III BARRICADE C	R11-2 48" X 30" ROAD CLOSED ← DETOUR M4-10L 48" X 18" TYPE III BARRICADE D	R11-2 48" X 30" ROAD CLOSED DETOUR→ W1-6R 48" X 24" TYPE III BARRICADE E					
ROAD CLOSED 500 FT W20-3 48" X 48" A	ROAD CLOSED 1000 FT W20-3 48" X 48" B	ROAD CLOSED AHEAD W20-3 48" X 48" NEXT LEFT SP-4L 42" X 12" C	ROAD CLOSED AHEAD W20-3 48" X 48" ROAD CLOSED AHEAD W20-3 48" X 48" D	ROAD CLOSED AHEAD W20-3 48" X 48" X.X MILES W16-3P 24" X 24" E	ROAD CLOSED AHEAD W20-3 48" X 48" NEXT RIGHT SP-4R 42" X 12" F	DETOUR AHEAD W20-2 48" X 48" G	SSD003 30" X 36" W. 5TH STREET DETOUR ← M4-8 24" X 12" M6-1 L 21" X 15" H	SSD003 30" X 36" W. 5TH STREET DETOUR ↶ M4-8 24" X 12" M5-2 21" X 15" I	SSD003 30" X 36" W. 5TH STREET DETOUR ↑ M4-8 24" X 12" M6-3 21" X 15" J
SSD003 30" X 36" W. 5TH STREET DETOUR ↗ M4-8 24" X 12" M5-2 R 21" X 15" K	SSD003 30" X 36" W. 5TH STREET DETOUR → M4-8 24" X 12" M6-1 21" X 15" L	SSD003 30" X 36" W. 5TH STREET END DETOUR M4-8 A 24" X 18" M	SSD004 30" X 36" WATER STREET DETOUR ← M4-8 24" X 12" M6-1 L 21" X 15" N	SSD004 30" X 36" WATER STREET DETOUR ↶ M4-8 24" X 12" M5-2 21" X 15" O	SSD004 30" X 36" WATER STREET DETOUR ↑ M4-8 24" X 12" M6-3 21" X 15" P	SSD004 30" X 36" WATER STREET DETOUR ↗ M4-8 24" X 12" M5-2 R 21" X 15" Q	SSD004 30" X 36" WATER STREET DETOUR → M4-8 24" X 12" M6-1 21" X 15" R	SSD004 30" X 36" WATER STREET END DETOUR M4-8 A 24" X 18" S	
MESSAGE NO. 1 W 5TH ST CLOSED AHEAD CHANGEABLE MESSAGE SIGN 1	MESSAGE NO. 2 FOLLOW DETOUR NC 72 CHANGEABLE MESSAGE SIGN 2	MESSAGE NO. 1 WATER ST CLOSED AHEAD CHANGEABLE MESSAGE SIGN 3	MESSAGE NO. 2 FOLLOW DETOUR PINE ST CHANGEABLE MESSAGE SIGN 2	MESSAGE NO. 1 WATER ST CLOSED AHEAD CHANGEABLE MESSAGE SIGN 3	MESSAGE NO. 2 DETOUR ELIZABE - THTOWNRD CHANGEABLE MESSAGE SIGN 3				

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User:AHayes

X

BARRICADES

-WITH MOUNTED SIGNING

A

SIGNING

-STATIONARY MOUNTED

#

PCMS

BRIDGE 770175



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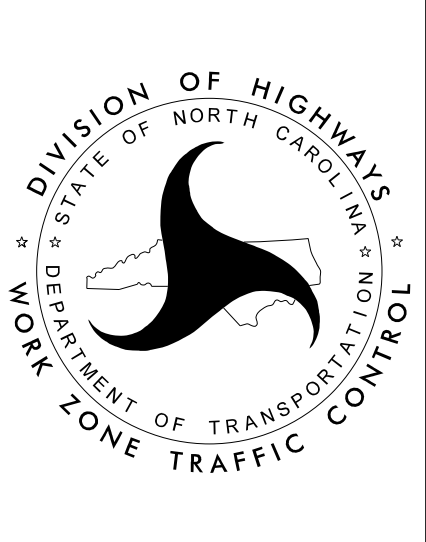
APPROVED:

DocuSigned by:
Lawrence H. Green
480870859880486...

DATE: 1/9/2025

NORTH CAROLINA
PROFESSIONAL
SEAL
028137
ENGINEER
LAWRENCE H. GREEN

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SIGN & DEVICE LEGEND

GENERAL NOTES

TRAFFIC PATTERN ALTERATIONS

- A) NOTIFY THE ENGINEER THIRTY (30) CALENDAR DAYS PRIOR TO ANY TRAFFIC PATTERN ALTERATION.

SIGNING

- B) PROVIDE SIGNING AND DEVICES REQUIRED TO CLOSE THE ROAD ACCORDING TO THE ROADWAY STANDARD DRAWINGS AND TRAFFIC CONTROL PLANS.

AND

PROVIDE SIGNING REQUIRED FOR THE OFF-SITE DETOUR ROUTE AS SHOWN IN THE TRAFFIC CONTROL PLANS.

- C) COVER OR REMOVE ALL SIGNS AND DEVICES REQUIRED TO CLOSE THE ROAD WHEN ROAD CLOSURE IS NOT IN OPERATION.

AND

COVER OR REMOVE ALL SIGNS REQUIRED FOR THE OFF-SITE DETOUR WHEN THE DETOUR IS NOT IN OPERATION.

- D) ENSURE ALL NECESSARY SIGNING IS IN PLACE PRIOR TO ALTERING ANY TRAFFIC PATTERN.

TRAFFIC CONTROL DEVICES

- E) PLACE TYPE III BARRICADES, WITH "ROAD CLOSED" SIGN R11-2 ATTACHED, OF SUFFICIENT LENGTH TO CLOSE ENTIRE ROADWAY.

PAVEMENT MARKINGS AND MARKERS

- F) INSTALL TEMPORARY PAVEMENT MARKINGS AND TEMPORARY PAVEMENT MARKERS ON INTERIM LAYERS OF PAVEMENT AS FOLLOWS:

ROAD NAME	MARKING	MARKER
1. -L-	COLD APPLIED (TYPE IV)	NONE

- G) REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS AND MARKERS BY THE END OF EACH DAY'S OPERATION.

MISCELLANEOUS

- H) ALL CURB RAMP LOCATIONS SHALL BE DERIVED FROM STATIONING SHOWN ON PAVEMENT MARKING PLANS OR AS DIRECTED BY THE ENGINEER IN COORDINATION WITH THE SIGNING AND DELINEATION UNIT.

- I) CONTRACTOR SHALL MAINTAIN SIDEWALK ACCESS AT ALL TIMES AS STATED IN THE PHASING. CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE TEMPORARY SIDEWALKS (CONCRETE, ASPHALT, OR OTHER SUITABLE MATERIAL AS APPROVED BY THE ENGINEER) AT ALL LOCATIONS WHERE THE OPEN PEDESTRIAN TRAVELWAY HAS BEEN REMOVED FOR CONSTRUCTION OPERATIONS (UTILITIES, DRAINAGE, ETC.).

- J) DO NOT PLACE TRANSPORTATION MANAGEMENT DEVICES OR SIGNING ON OPEN PEDESTRIAN TRAVELWAYS.

- K) ALL STATIONS ARE CONSIDERED +/- UNLESS OTHERWISE SHOWN ON THE PLANS.

- L) MAINTAIN ACCESS TO ALL ROADS AND DRIVEWAYS PER THE DISCRETION OF THE ENGINEER. USE COMPACTED ABC OR OTHER SUITABLE MATERIAL AS APPROVED BY THE ENGINEER.

MANAGEMENT STRATEGIES

THE FOLLOWING LISTED WORK ZONE STRATEGIES ARE RECOMMENDED FOR INCLUSION WITHIN THIS TRANSPORTATION MANAGEMENT PLAN (TMP).

RECOMMENDED STRATEGIES:

TRAFFIC MANAGEMENT STRATEGIES:
FULL ROADWAY CLOSURES
PEDESTRIAN / BICYCLE ACCOMMODATIONS
OFF-SITE DETOURS / USE OF ALTERNATIVE ROUTES

CORRIDOR / NETWORK MANAGEMENT STRATEGIES:
SIGNAL TIMING / COORDINATION IMPROVEMENTS

PHASE I

STEP 1) USING SHEETS TMP-04 THRU 08 INSTALL ALL ROAD CLOSURE AND DETOUR SIGNING, CLOSE -L- AND THE INTERSECTION OF W. 5TH ST./WATER ST., DETOUR TRAFFIC OFFSITE, INSTALL ALL PEDESTRIAN DETOUR SIGNING, TEMPORARY CURB RAMPS, BARRICADES, AND DETOUR PEDESTRIANS OFFSITE.

USING SHEETS TMP-02 & 02A DETOUR WATER TRAFFIC AS NEEDED.

STEP 2) AWAY FROM TRAFFIC CONSTRUCT -L- FROM THE BEGIN CONSTRUCTION LIMITS TO STA. 19+12 -L-, UP TO BUT NOT INCLUDING THE FINAL LIFT OF SURFACE COURSE, INCLUDING THE INSTALLATION OF THE 72" RCP. THE CONTRACTOR MAY BEGIN THE REMOVAL OF THE EAST SIDE OF THE EXISTING BRIDGE STRUCTURE, THE CONSTRUCTION OF THE EAST SIDE OF THE PROPOSED STRUCTURE, AND CONSTRUCTION OF -EY2- FROM THE BEGIN CONSTRUCTION LIMITS TO STA. 14+25 -EY2- PER THE DISCRETION OF THE ENGINEER. BEGIN INSTALLATION OF THE PROPOSED SIGNAL.
[TMP-07 & 08 AND ROADWAY PLANS]

STEP 3) UPON COMPLETION OF PHASE I, STEP 2, REALIGN THE PEDESTRIAN CROSSING AT -L-. REMOVE AND INSTALL PEDESTRIAN DETOUR SIGNING AND BARRICADES AS NEEDED, AND PLACE PEDESTRIAN TRAFFIC ON REVISED DETOUR ROUTE. THEN, AWAY FROM TRAFFIC, COMPLETE THE REMOVAL OF THE EXISTING STRUCTURE, THE CONSTRUCTION OF -L- FROM STA. 19+12 -L- TO THE END CONSTRUCTION LIMITS, AND -EY2- FROM THE BEGIN CONSTRUCTION LIMITS TO STA. 14+25 -EY2-.
[TMP-08 & 09 AND ROADWAY PLANS]

PHASE II

STEP 1) AWAY FROM TRAFFIC, INSTALL THE FINAL LIFT OF SURFACE COURSE, INCLUDING FINAL PAVEMENT MARKINGS AND MARKERS. COMPLETE THE INSTALLATION OF THE PROPOSED SIGNAL AND ACTIVATE.
[FINAL PAVEMENT MARKING PLANS]

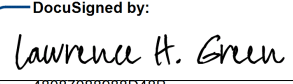
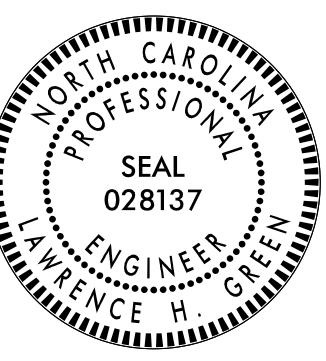
STEP 2) REMOVE ALL TRANSPORATION MANAGEMENT DEVICES AND SIGNING AND PLACE TRAFFIC ONTO THE FINAL PATTERN.

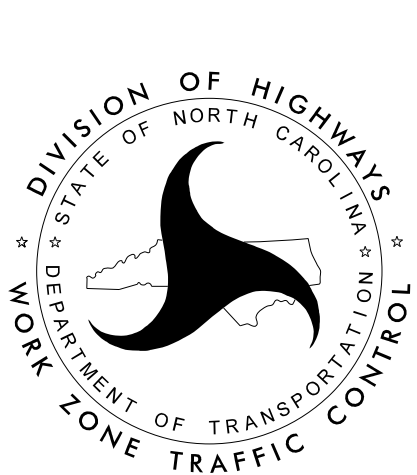
BRIDGE 770175



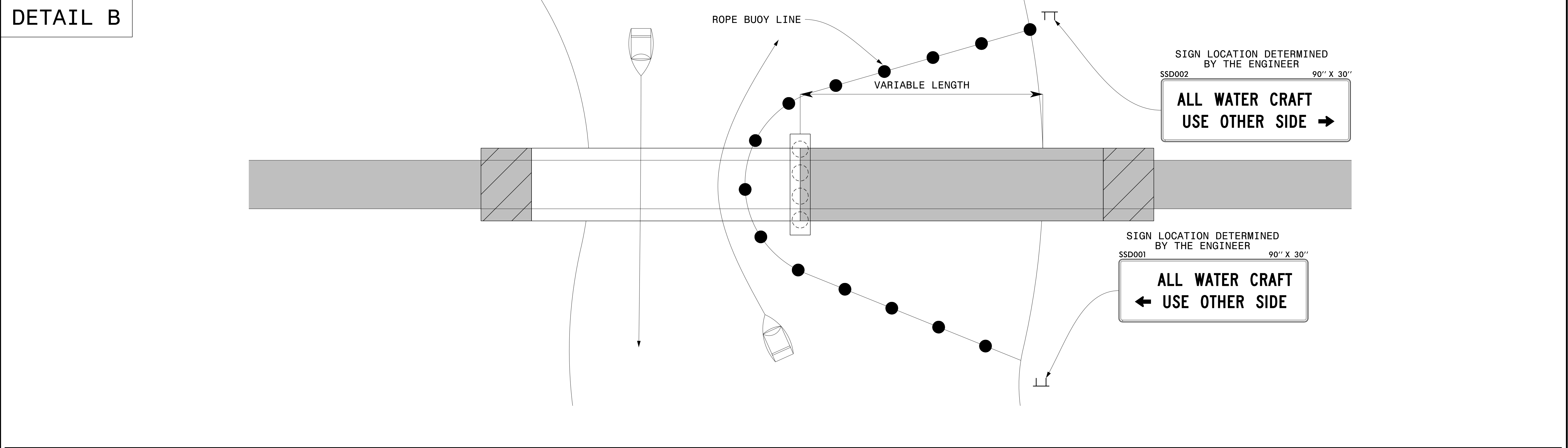
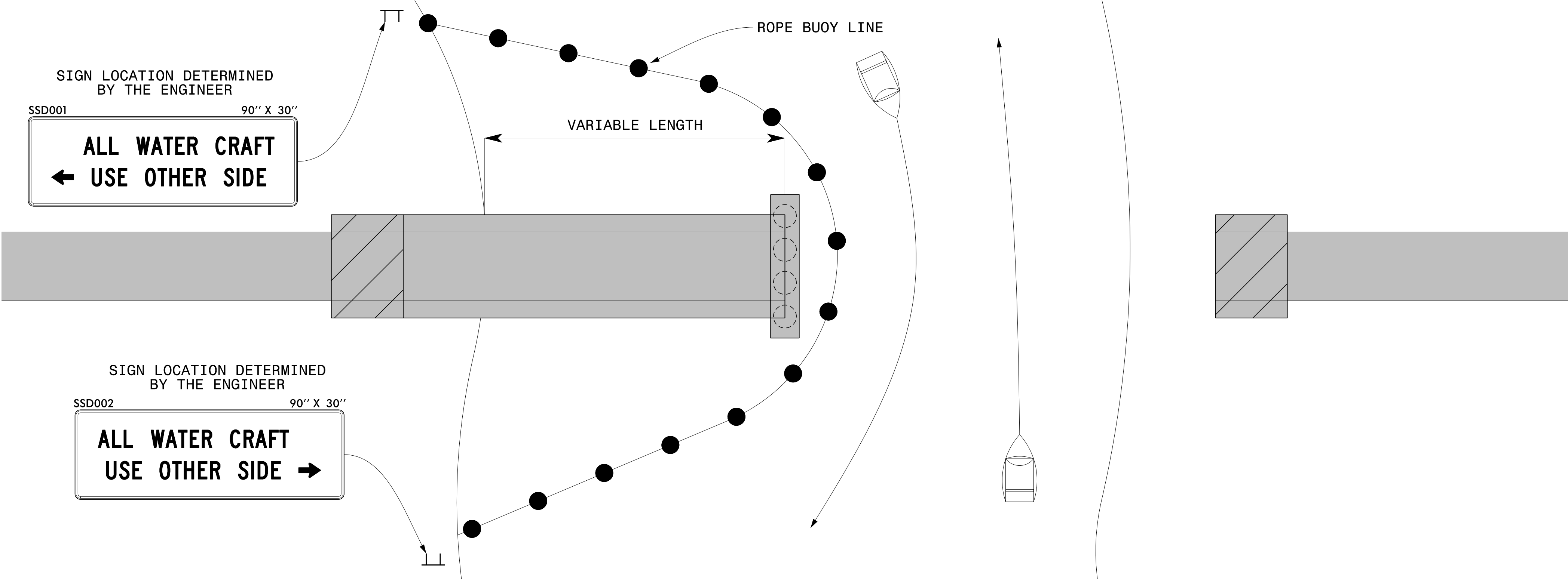
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TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN
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TRANSPORTATION OPERATIONS
PLAN: (GENERAL NOTES AND
MANAGEMENT STRATEGIES)
AND PHASING



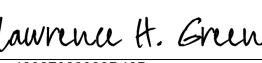
NOTES:
1) THE STRUCTURE DEPICTED IN THIS DETAIL MAY EITHER BE EXISTING OR PROPOSED.
2) THIS DETAIL DOES NOT DEPICT A SPECIFIC END OF THE STRUCTURE FOR WORK TO BEGIN.
3) SEE STRUCTURE PLANS FOR ALL STRUCTURAL RELATED INFORMATION.
4) SEE SHEET TMP-02A FOR SIGN DESIGN.
5) NAVIGATION ROPE BUOYS WILL BE UTILIZED BY THE CONTRACTOR IN ADDITION TO SIGNAGE PRESCRIBED IN PLANS TO MARK AND DIRECT RIVER TRAFFIC AROUND CONSTRUCTION AREAS/ACTIVITIES. ROPE BUOY LINE SHALL BE OF SUFFICIENT LENGTH TO DELINEATE THE LIMITS OF CONSTRUCTION, OR AS DIRECT BY THE ENGINEER. ROPE BUOYS WILL BE COMPLETELY FILLED WITH URETHANE FOAM OR OTHER MATERIALS TO PREVENT POTENTIAL FAILURE (I.E., SINKING) WHICH MEET OR EXCEED UNITED STATES COAST GUARD REQUIREMENTS. ROPE BUOYS WILL BE EFFECTIVELY SECURED AGAINST ACCIDENTAL OR INTENTIONAL DISPLACEMENT. PLACEMENT OF ROPE BUOYS SHALL BE AS DIRECTED BY THE ENGINEER. CONTRACTOR SHALL INSTALL, MAINTAIN AND REMOVE ROPE BUOY. NO PAYMENT WILL BE MADE FOR ROPE BUOY LINE AS WORK IS CONSIDERED INCIDENTAL TO OTHER LINE ITEMS.

BRIDGE 770175



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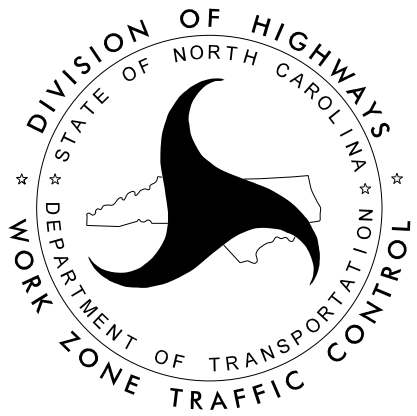
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DATE: 1/16/2025



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WATER TRANSPORTATION
MANAGEMENT PLAN DETAIL

SIGN NUMBER: 001
TYPE: STATIONARY
QUANTITY: SEE PLANS
SIGN WIDTH: 7'-6"
HEIGHT: 2'-6"
TOTAL AREA: 18.8 Sq.Ft.
BORDER TYPE: INSET
RECESS: 0.38"
WIDTH: 0.63"
RADII: 1.5"
NO. Z BARS:
LENGTH:

BACKG COLOR: Fluorescent Orange
COPY COLOR: Black
SYMBOL
AR_Type D
X
Y
WID
HT
7.8
7.3
5
7.5

MAT'L: 0.080" (2.0 mm) ALUMINUM

DESIGN BY: DAH
PROJECT ID: B-5985
CHECKED BY: WEI
LOCATION: BRIDGE
Aug 05, 2022
DIV: 6

2'-6"

17.8"

5"

7.2"

7'-6"

6.75"

6"

4.5"

6"

6.75"

7.75"

74.5"

7.75"

BORDER
R=1.5"
TH=0.63"
IN=0.38"

ALL WATER CRAFT
← USE OTHER SIDE

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS
Letter locations are panel edge to lower left corner
Series/Size
Text Length
C 2000
63.7
C 2000
58.3
FILENAME: B-5985_REF_BSSD
NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 002
TYPE: STATIONARY
QUANTITY: SEE PLANS
SIGN WIDTH: 7'-6"
HEIGHT: 2'-6"
TOTAL AREA: 18.8 Sq.Ft.
BORDER TYPE: INSET
RECESS: 0.38"
WIDTH: 0.63"
RADII: 1.5"
NO. Z BARS:
LENGTH:

BACKG COLOR: Fluorescent Orange
COPY COLOR: Black
SYMBOL
AR_Type D
X
Y
WID
HT
74.7
7.3
5
7.5

MAT'L: 0.080" (2.0 mm) ALUMINUM

DESIGN BY: DAH
PROJECT ID: B-5985
CHECKED BY: WEI
LOCATION: BRIDGE
Aug 05, 2022
DIV: 6

2'-6"

17.8"

5"

7.2"

7'-6"

6.75"

6"

4.5"

6"

6.75"

7.75"

74.5"

7.75"

BORDER
R=1.5"
TH=0.63"
IN=0.38"

ALL WATER CRAFT
USE OTHER SIDE →

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS
Letter locations are panel edge to lower left corner
Series/Size
Text Length
C 2000
63.7
C 2000
58.3
FILENAME: B-5985_REF_BSSD
NORTH CAROLINA D.O.T. SIGN DETAIL

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User:AHayes

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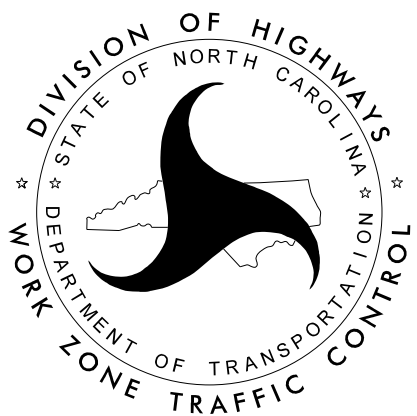
TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN
CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

DocuSigned by:
Lawrence H. Green

APPROVED: _____
DATE: 1/9/2025

SEAL
028137
NORTH CAROLINA
PROFESSIONAL
ENGINEER
LAWRENCE H. GREEN

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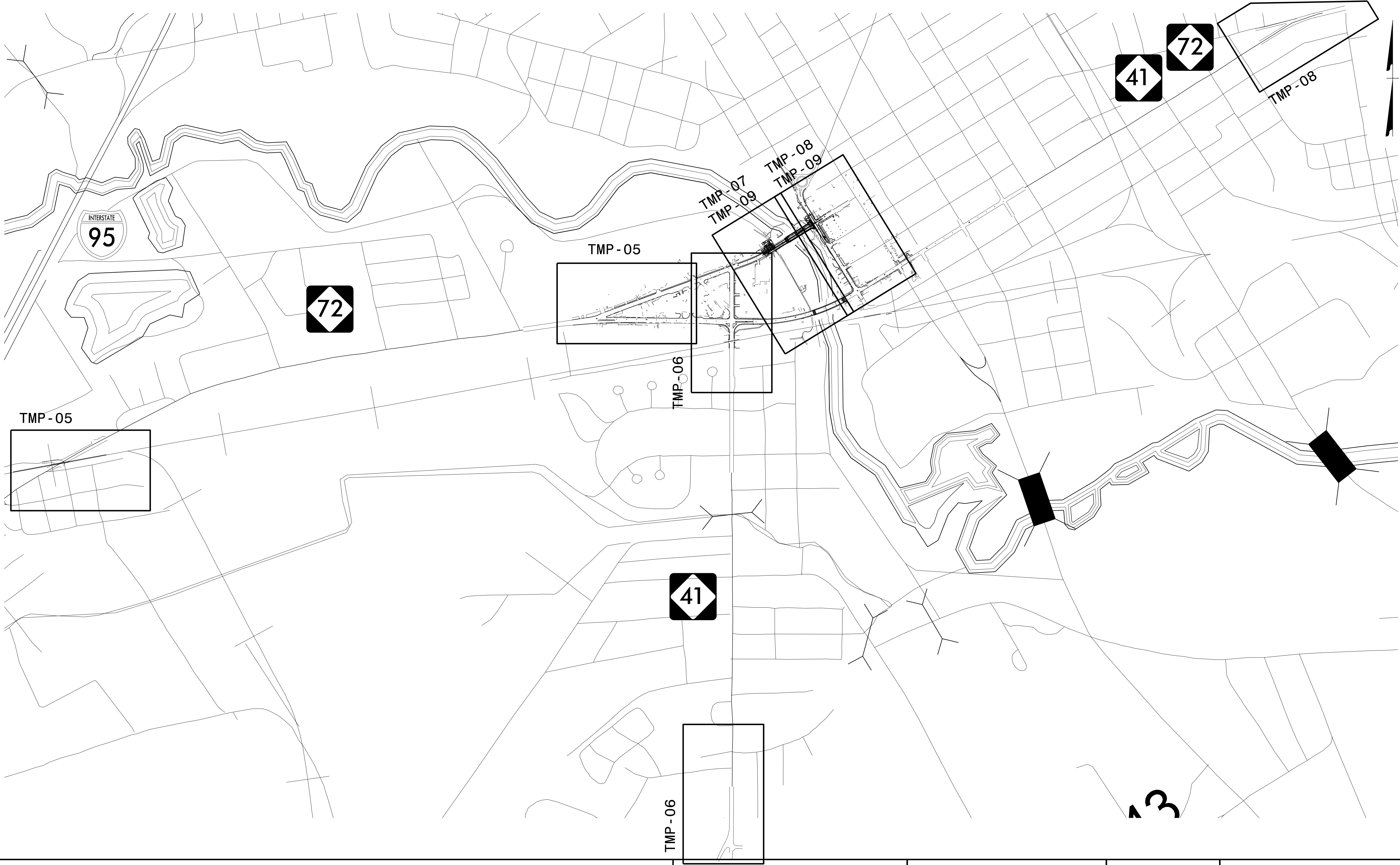


SPECIAL SIGN DESIGNS

[illegible]

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User:AHayes

PROJ. REFERENCE NO.	SHEET NO.
B - 5985B	TMP - 03

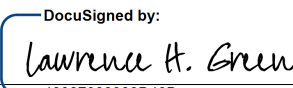


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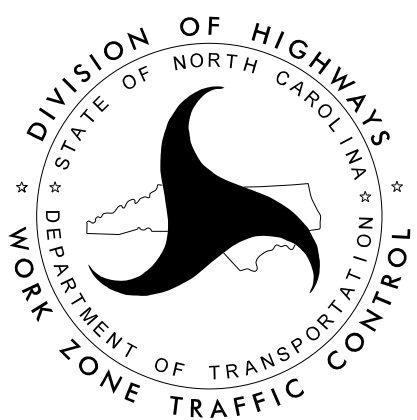
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APPROVED: 
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DATE: 1/9/2025

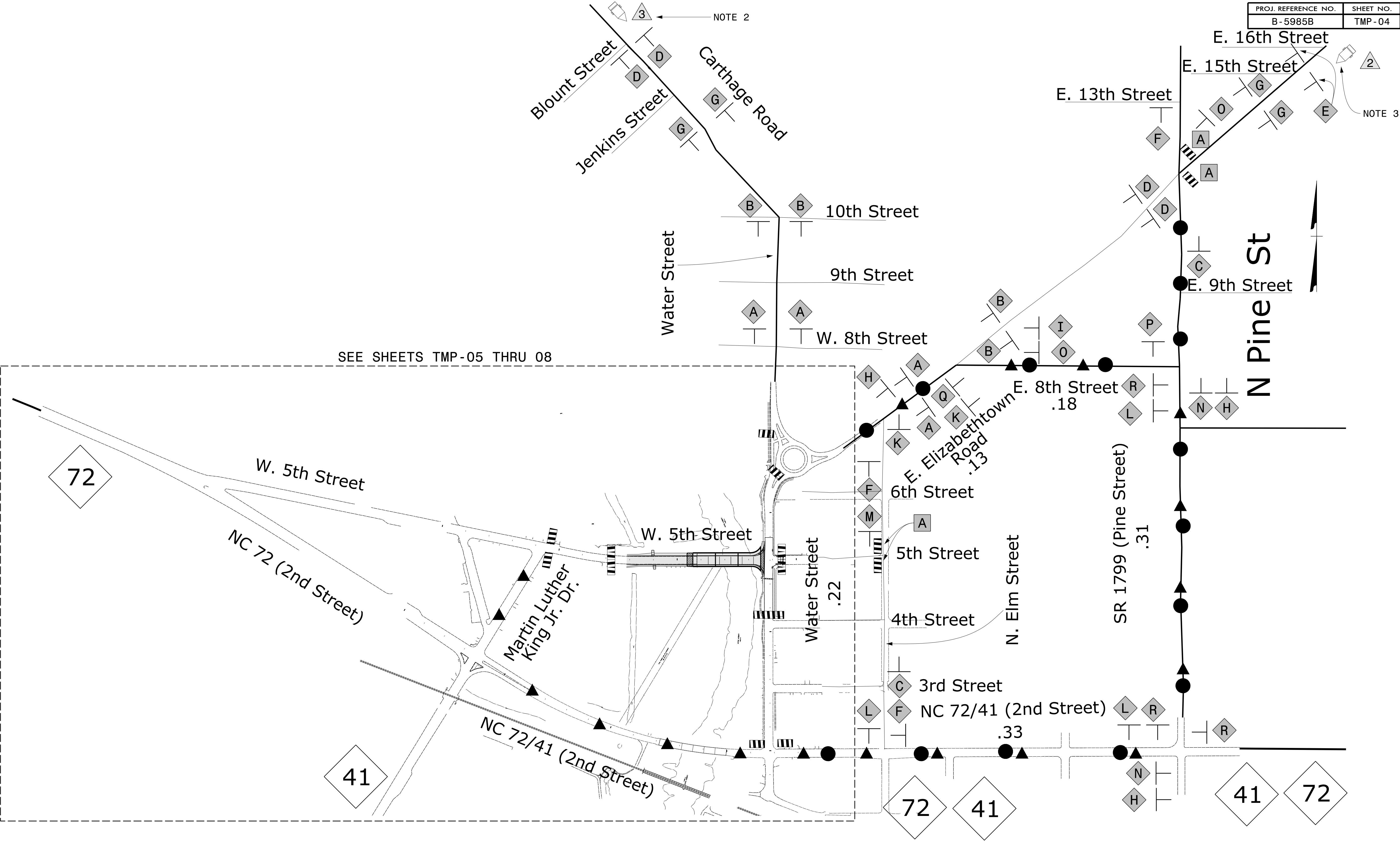


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PROJECT LAYOUT

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User:AHayes



NOTES:

- 1) REFER TO SHEET TMP-01B FOR SIGN AND DEVICE LEGEND.
- 2) PLACE JUST EAST OF THE I-95 INTERCHANGE.
- 3) PLACE JUST WEST OF THE NC 211 INTERSECTION.

- ▲ W. 5th St. DETOUR
- Water St. DETOUR

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APPROVED: *Lawrence H. Green*
DATE: 1/9/2025

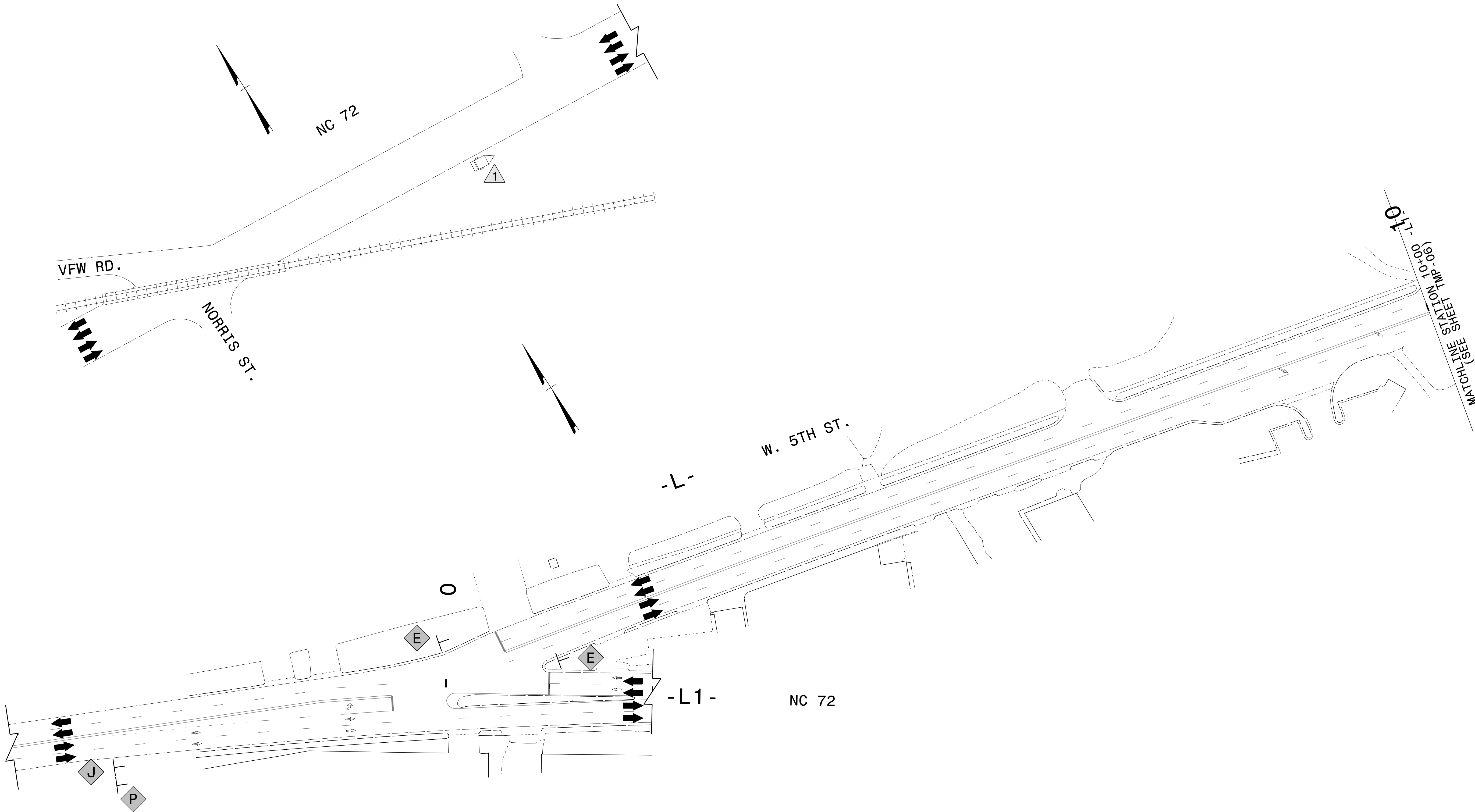


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UNLESS ALL SIGNATURES COMPLETED**



OFF-SITE DETOUR

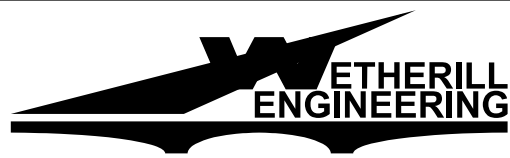
PROJ. REFERENCE NO.	SHEET NO.
B - 5985B	TMP - 05



NOTES:

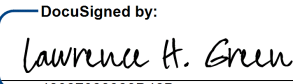
1) REFER TO SHEET TMP-01B FOR SIGN AND DEVICE LEGEND.

BRIDGE 770175



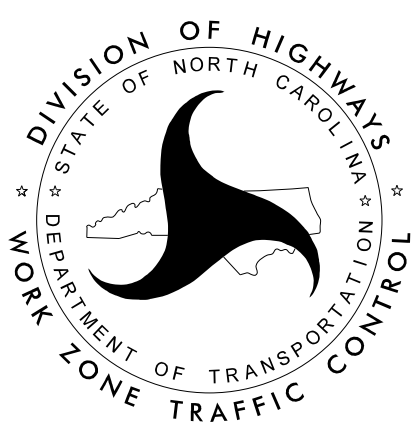
1223 Jones Franklin Rd.
Raleigh, N.C. 27606
License No. F-0377
Bus: 919 851 8077
Fax: 919 851 8107

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

APPROVED: 
DATE: 1/9/2025



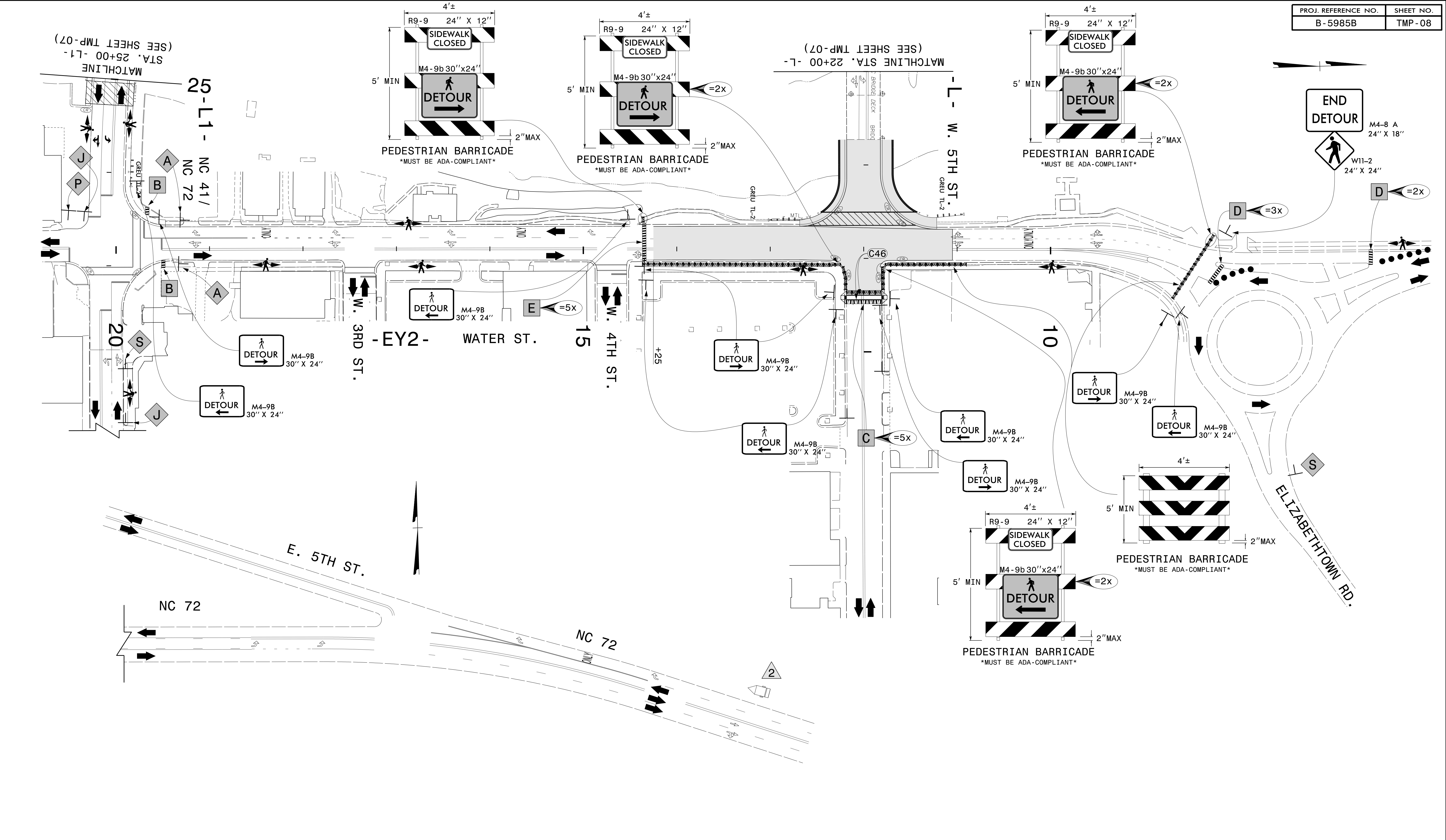
**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**



PHASE I, STEP 1
DETAIL



1/9/2025
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User:AHayes



PROJ. REFERENCE NO.	SHEET NO.
B-5985B	TMP-08

NOTES:

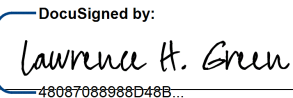
- 1) REFER TO SHEET TMP-01B FOR SIGN AND DEVICE LEGEND.
- 2) SEE FINAL PAVEMENT MARKINGS FOR ALL LANE WIDTHS, PM LABELS, AND STATIONS UNLESS OTHERWISE NOTED ON TMP.
- 3) ALL MARKINGS SHALL BE PAINT UNLESS OTHERWISE NOTED ON TMP.

BRIDGE 770175



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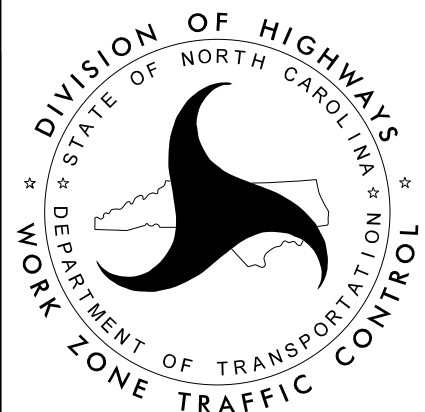
TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN
CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

APPROVED: 
DATE: 1/9/2025

DATE: 1/9/2025



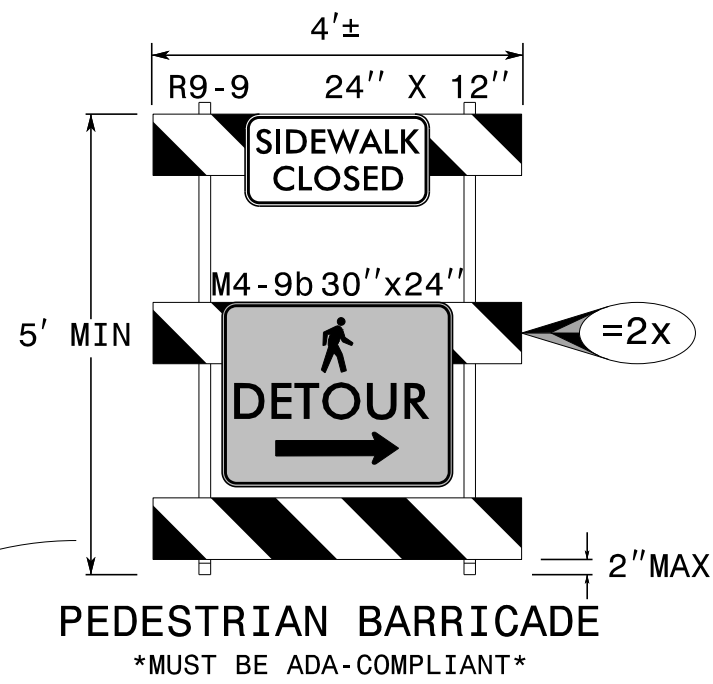
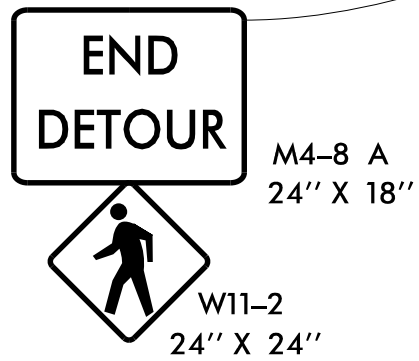
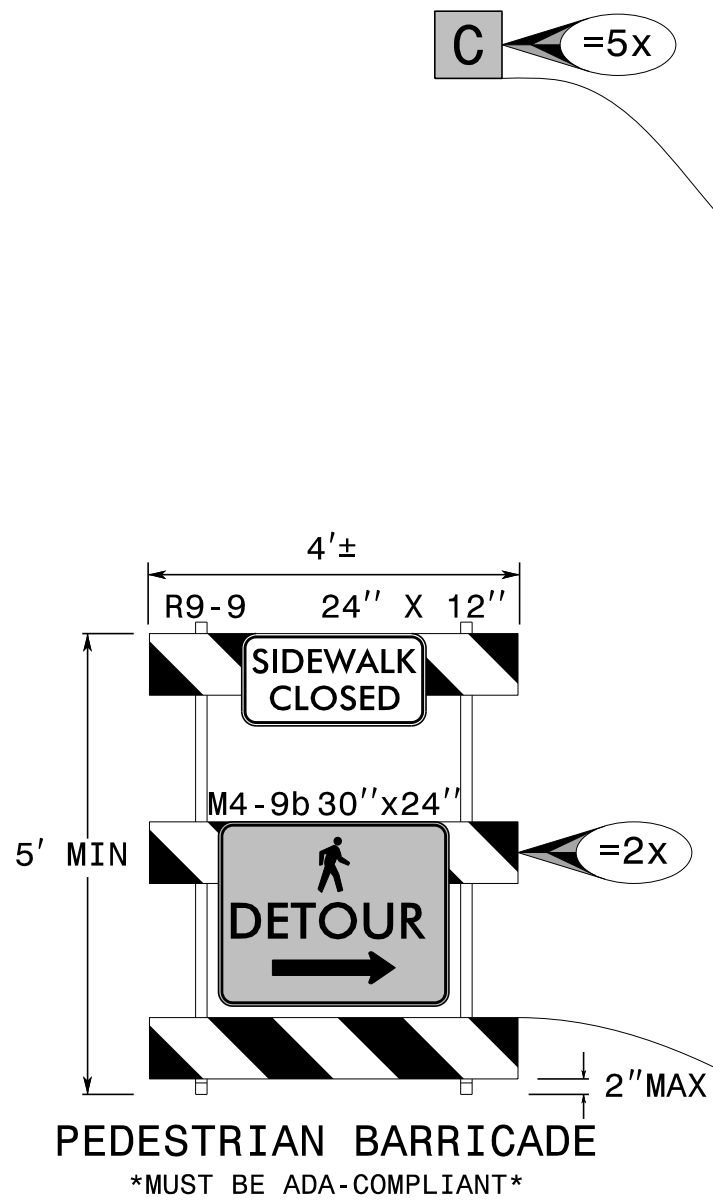
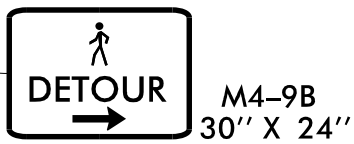
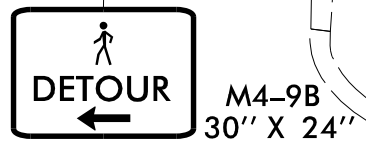
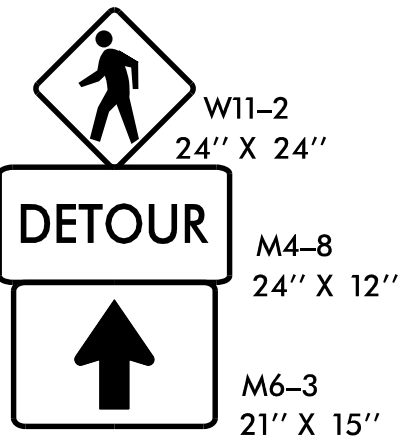
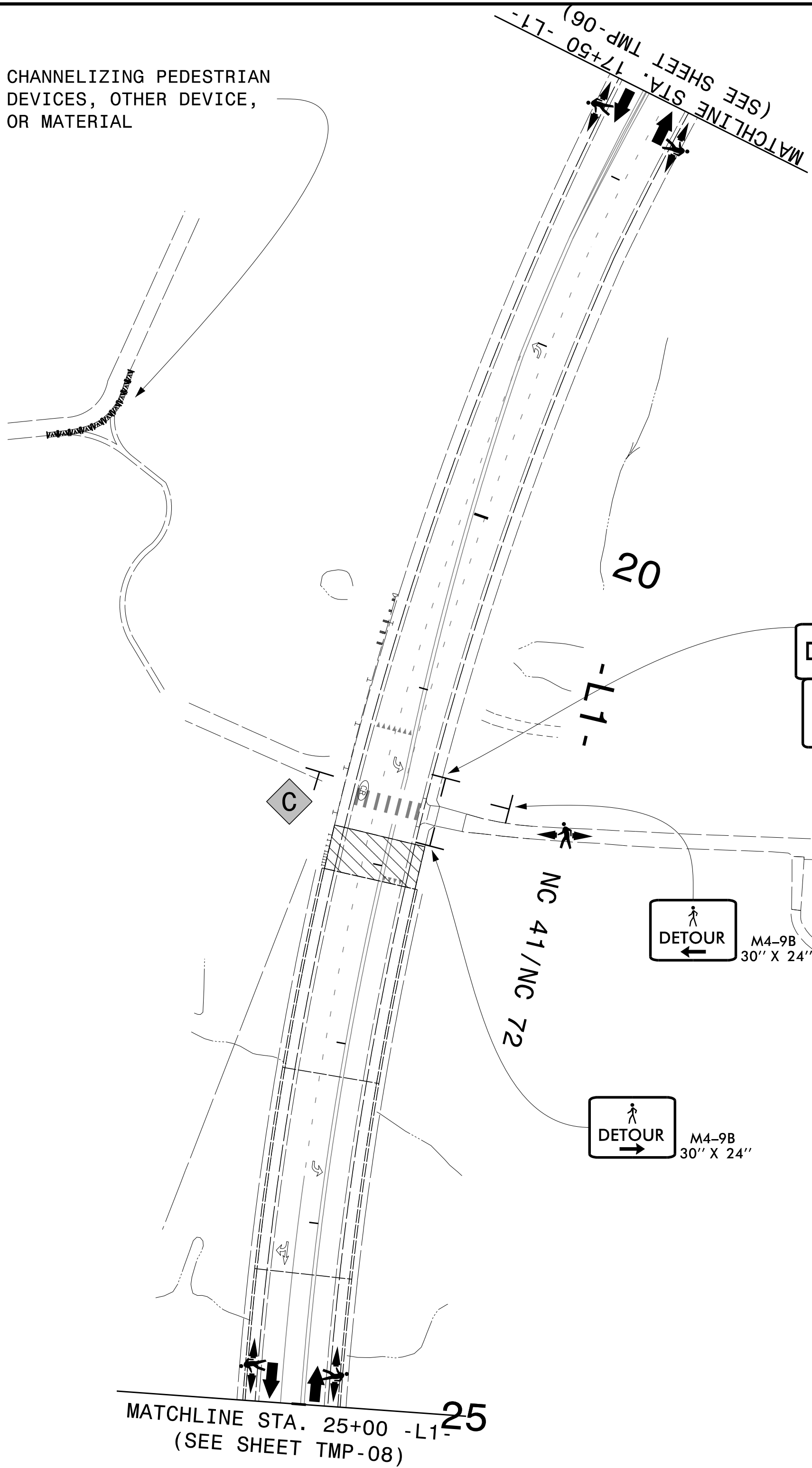
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**PHASE I, STEP 2
DETAIL**

I/9/2025
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User:AHayes

CHANNELIZING PEDESTRIAN
DEVICES, OTHER DEVICE,
OR MATERIAL



NOTES:

- 1) REFER TO SHEET TMP-01B FOR SIGN AND DEVICE LEGEND.
- 2) PER THE DISCRETION OF THE ENGINEER, CLOSE THE 'SHORTCUT' FROM THE PEDESTRIAN TRAIL ACROSS THE RAILROAD TRACKS. USE DEVICES OR MATERIALS DEEMED APPROPRIATE BY THE ENGINEER.

BRIDGE 770175



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

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APPROVED: *Laurence H. Green*
DATE: 1/9/2025



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UNLESS ALL SIGNATURES COMPLETED



PHASE I, STEP 3
DETAIL