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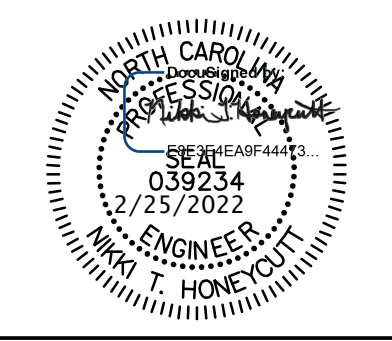
8/17/99

TIP PROJECT: B-5810

**STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION**

**SIGNING PLANS
CABARRUS COUNTY**

LOCATION: BRIDGE #022 OVER ROCKY RIVER ON EASTBOUND NC 2427

TIP NO.	SHEET NO.
B-5810	SIGN-1
APPROVED: _____	
DATE: _____	
SEAL	
	
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INDEX

SHEET NO.	DESCRIPTION
SIGN-1	SIGNING PLAN TITLE SHEET
SIGN-2	REVISED SIGNING ROADWAY STANDARD DRAWING
SIGN-3	TYPE D SIGN DETAIL
SIGN-4 THRU SIGN-6	SIGN DETAIL SHEETS

SUMMARY OF SIGN QUANTITIES

ITEM NO.		ITEM DESCRIPTION	QUANTITY	UNIT
DESC. NO.	SECT. NO.			
4072000000	903	SUPPORTS, 3 LBS STEEL U-CHANNEL.....	15	L.F.
4096000000	904	SIGN ERECTION, TYPE D.....	1	EA.
4155000000	907	DISPOSAL OF SIGN SYSTEM, U-CHANNEL.....	1	EA.

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 2018 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 POSTS

SIGNING GENERAL NOTES

- A) SIGNS FURNISHED BY THE STATE.
- B) IF REMOVAL OR RELOCATION OF SIGNS ON PRIVATE STREET (NON-STATE MAINTAINED) IS REQUIRED DUE TO CONSTRUCTION, THE CONSTRUCTION SHALL INFORM THE ENGINEER. THE WORK WILL BE COMPLETED BY OTHERS.
- C) SIGNING PLANS DO NOT INCLUDE TEMPORARY CONSTRUCTION SIGNING OR PAVEMENT MARKINGS. SEE TRANSPORTATION MANAGEMENT AND PAVEMENT MARKING PLANS.
- D) WHEN NOT STATIONED OR DIMENSIONED ON PLANS, ALL "E" AND "F" SIGNS SHALL BE FIELD LOCATED BY THE ENGINEER.
- E) WHEN EXISTING SIGNS ARE REMOVED AND INSTALLED ON NEW SUPPORTS, THE RE-ERECTION SHALL IMMEDIATELY FOLLOW THE REMOVAL.
- F) THE BACKGROUND FOR TYPE "E" SIGNS SHALL BE TYPE "C" REFLECTIVE SHEETING.


TYPE D SIGNS

301 QUANTITY REQ'D 1
ONE "U" POST PER SIGN

**Rocky
River**

TYPE D SIGN 1

SEE SHEET SIGN-3
FOR TYPE D SIGN DETAIL

PLAN PREPARED BY: <i>STV Engineers, Inc.</i>		
NIKKI T. HONEYCUTT, PE	TRAFFIC ENGINEER	
MAAMOON ABDELAZIZ	TRANSPORTATION DESIGNER	

STV Engineers, Inc.
900 West Trade St., Suite 715
Charlotte, NC 28202
NC License Number F-0991

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User: Mharris


B-5810 SIGN-2

DocuSigned by:
Matthew V. Springer

APPROVED: 6/23/2021

DATE: 6/23/2021

SEAL

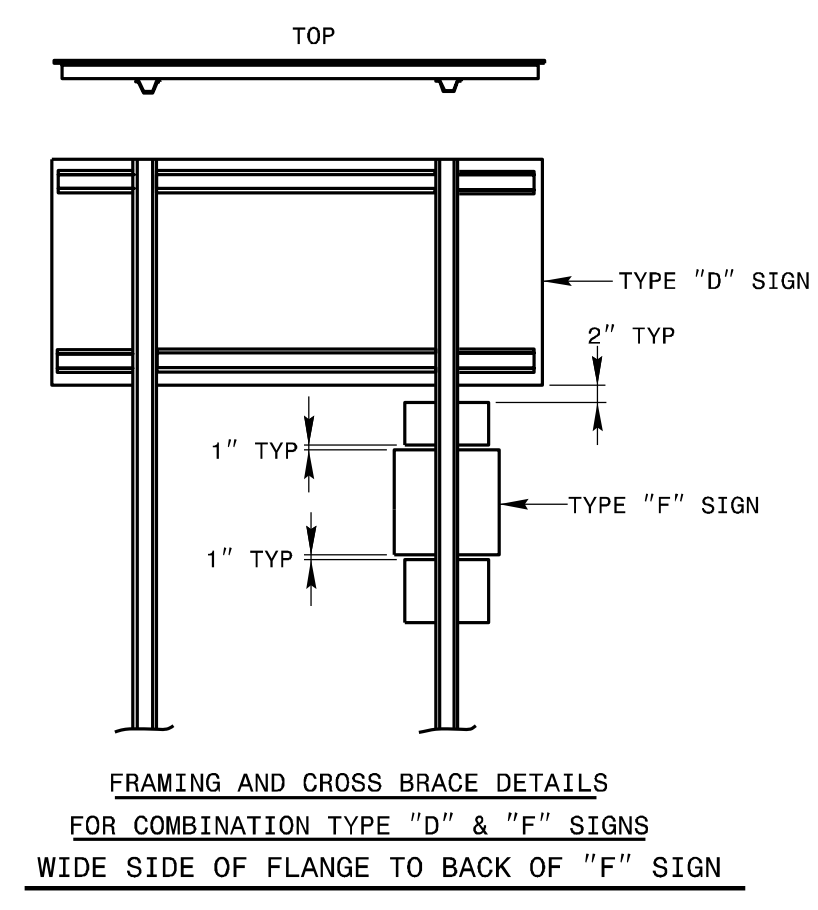
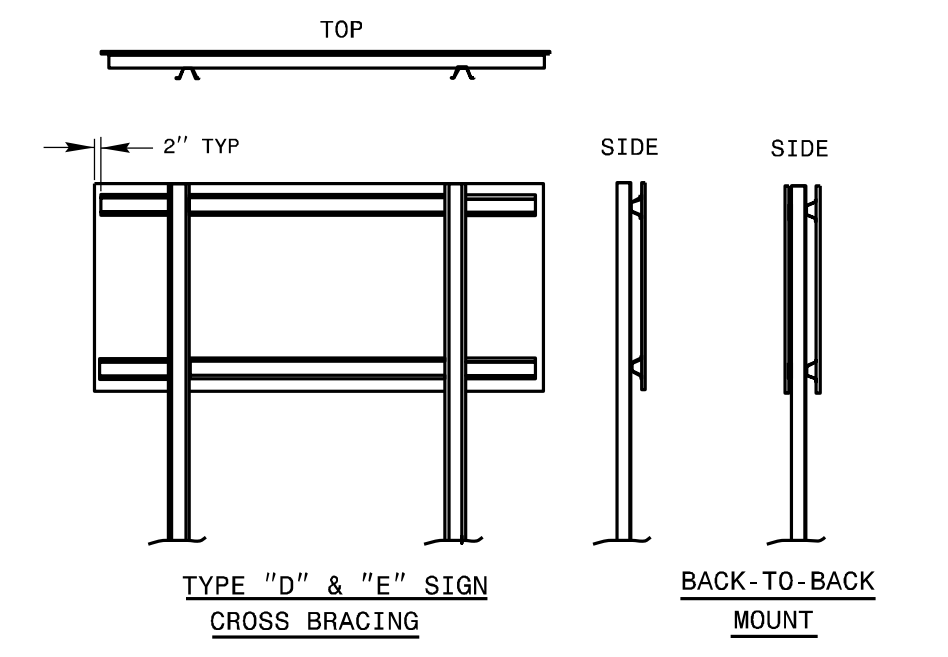
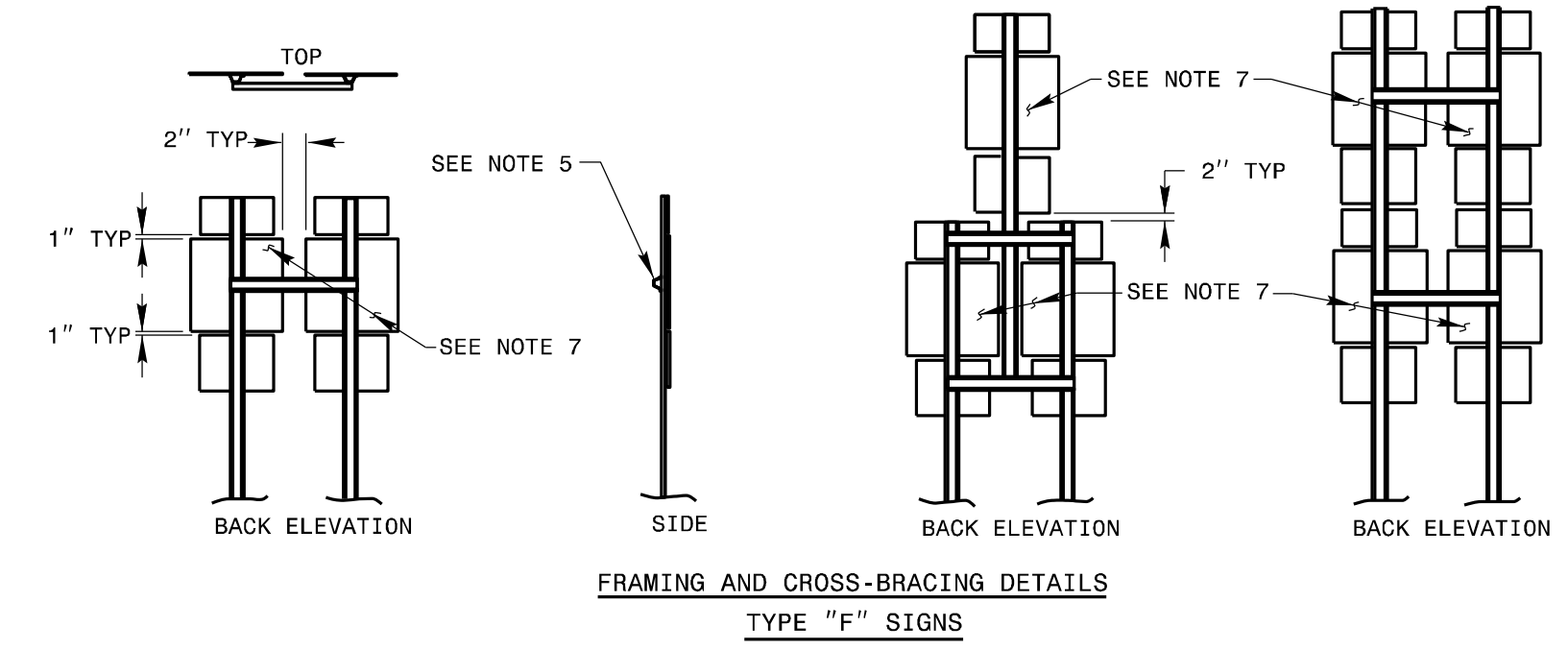
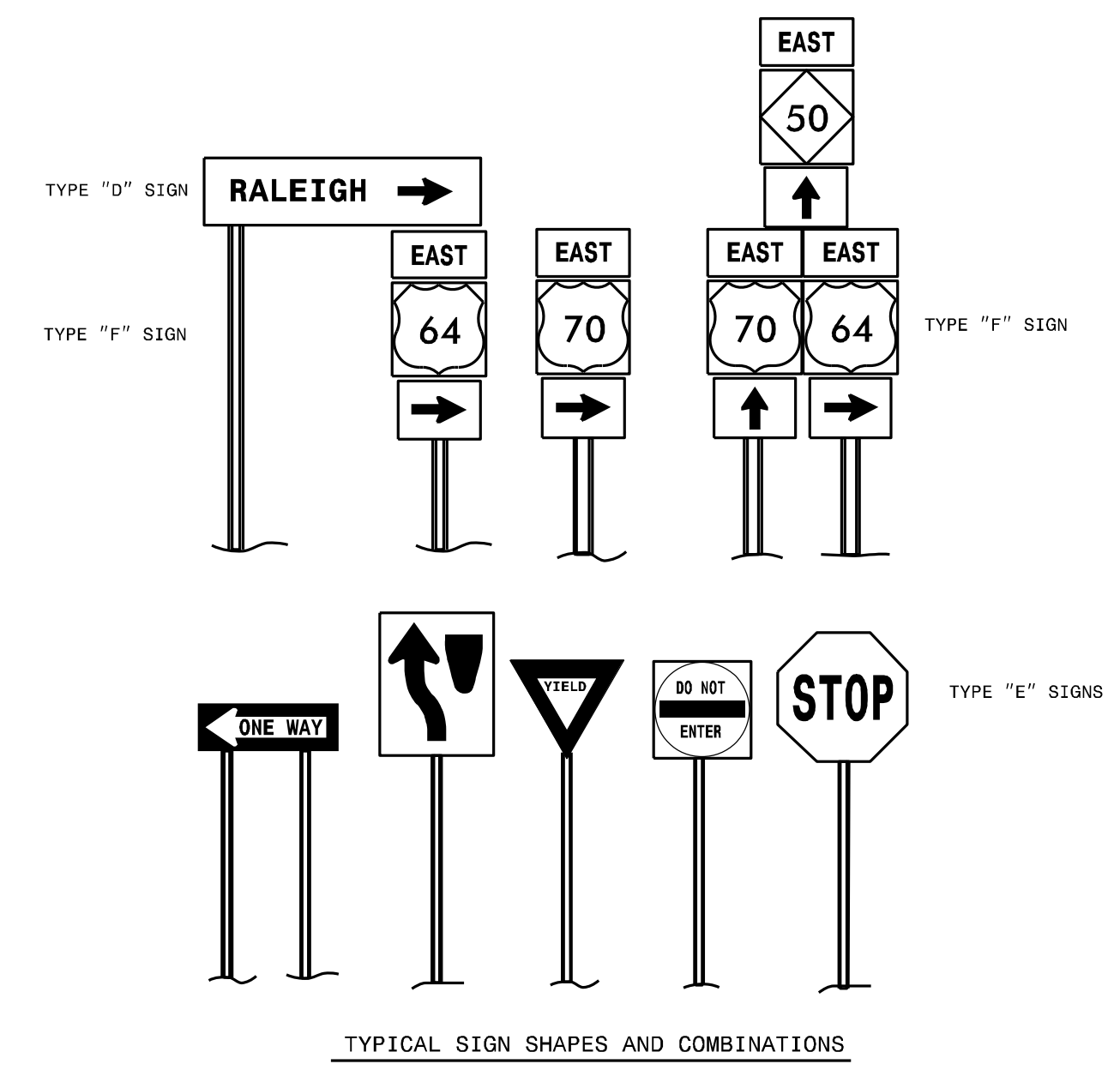
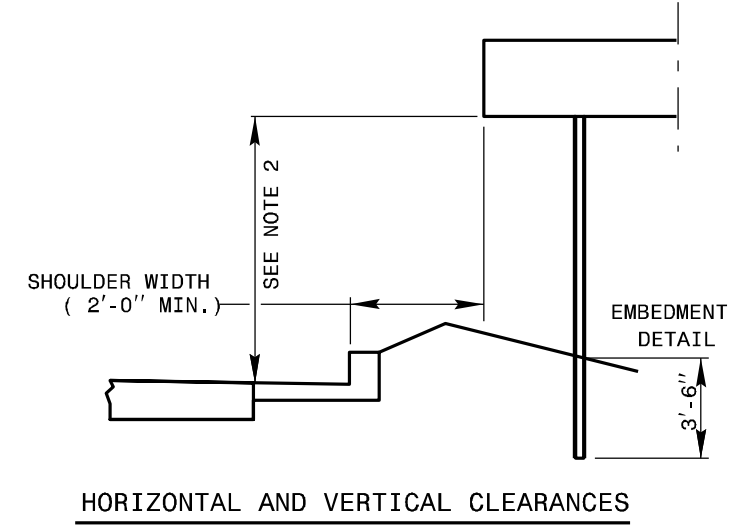
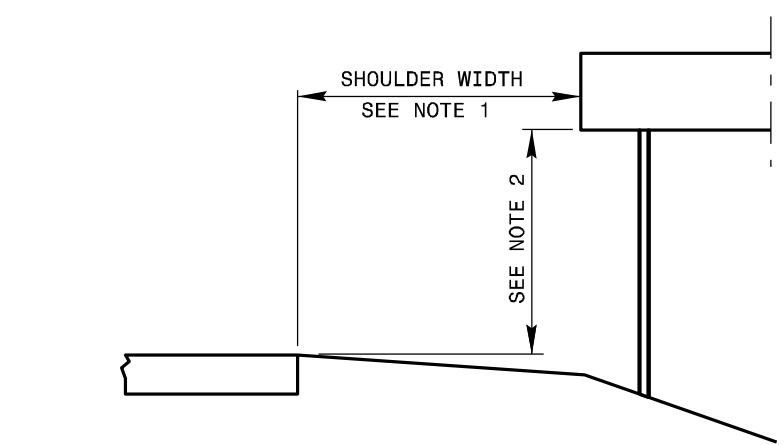


STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

6-21

ENGLISH DETAIL DRAWING FOR
MOUNTING OF
TYPE 'D', 'E' AND 'F' SIGNS
ON 'U' CHANNEL POSTS

SHEET 1 OF 2
904D50



- NOTES:
- ERECT TYPE "D", "E", AND "F" SIGNS ON FREEWAYS WITH THE NEAR EDGE OF THE SIGN 20 FT. FROM THE TRAVEL LANE. ERECT ALL OTHER "D", "E", AND "F" SIGNS WITH THE NEAR EDGE OF THE SIGN AT THE EDGE OF THE SHOULDER BREAK (6 FT. MINIMUM CLEARANCE, 12 FT. DESIRABLE, FROM THE EDGE OF TRAVEL LANE), OR AS DIMENSIONED ON PLAN SHEETS.
 - ERECT TYPE "D", "E", AND "F" SIGNS WITH THE BOTTOM OF SIGN ASSEMBLY AT LEAST 7 FT. ABOVE THE EDGE OF THE TRAVEL LANE ON ROADS WITH 2 OR MORE LANES IN THE SAME DIRECTION AND AT LEAST 5 FT. ON OTHER ROUTES. THE VERTICAL CLEARANCE IS 7 FT. WHERE REQUIRED FOR PEDESTRIAN TRAFFIC AND/OR PARKED VEHICLES.
 - THE VERTICAL DIMENSION BETWEEN MOUNTING HOLE CENTERS ON ALL TYPES "D", "E", AND "F" SIGNS IS 30" MAXIMUM. THE VERTICAL AND HORIZONTAL DIMENSIONS BETWEEN MOUNTING HOLES IS TO THE WHOLE INCH. EACH SIGN PANEL HAS A MINIMUM OF 2 BOLTS PER SUPPORT.
 - ATTACH SIGN W/ 5/16" HEX HEAD BOLT, NYLON WASHER, SHIM, FLAT WASHER, LOCK WASHER, HEX NUT. NO BUCKLING OF THE SIGN WILL BE PERMITTED. SEE ASSEMBLY DETAIL SHEET# 2 OF 904.50.
 - FURNISH AND INSTALL CROSS-BRACING AS SHOWN IN DETAIL. PAINT ENDS OF CROSS BRACES W/ APPROVED. ZINC PAINT.
 - INSTALL POST AND CROSS-BRACING WITH THE WIDE SIDE OF THE FLANGE TOWARD THE BACK OF SIGN(S) FOR COMBINATION TYPE "D" AND "F" SIGNS.
 - THE SHIELD HEIGHTS IN THESE ASSEMBLIES CAN NOT BE LARGER THAN 24".
 - IF SIGN ASSEMBLIES REQUIRE MORE THAN TWO U-CHANNEL SUPPORTS, THE SUPPORTS SHALL BE PLACED A MINIMUM OF 4 FT. BETWEEN POSTS. NO MORE THAN TWO POSTS SHALL FALL WITHIN 7 FT. PATH, OR THE SIGN ASSEMBLY MUST BE PLACED BEHIND BARRIER PROTECTION.

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

6-21

ENGLISH DETAIL DRAWING FOR
MOUNTING OF
TYPE 'D', 'E' AND 'F' SIGNS
ON 'U' CHANNEL POSTS

SHEET 1 OF 2
904D50

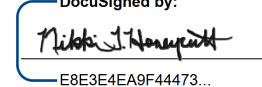
REVISED SIGNING
ROADWAY STANDARD DRAWING

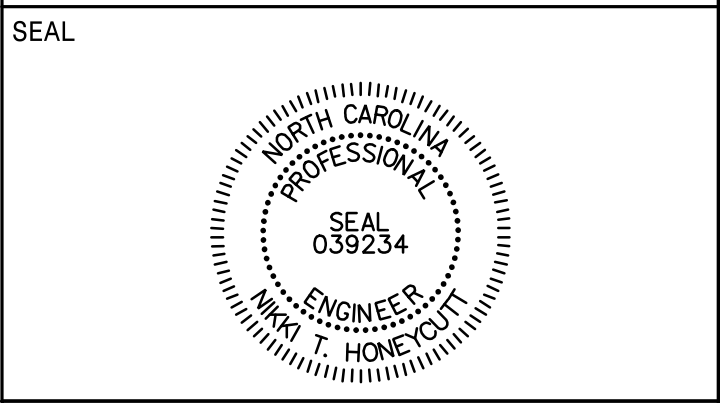
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8/17/99

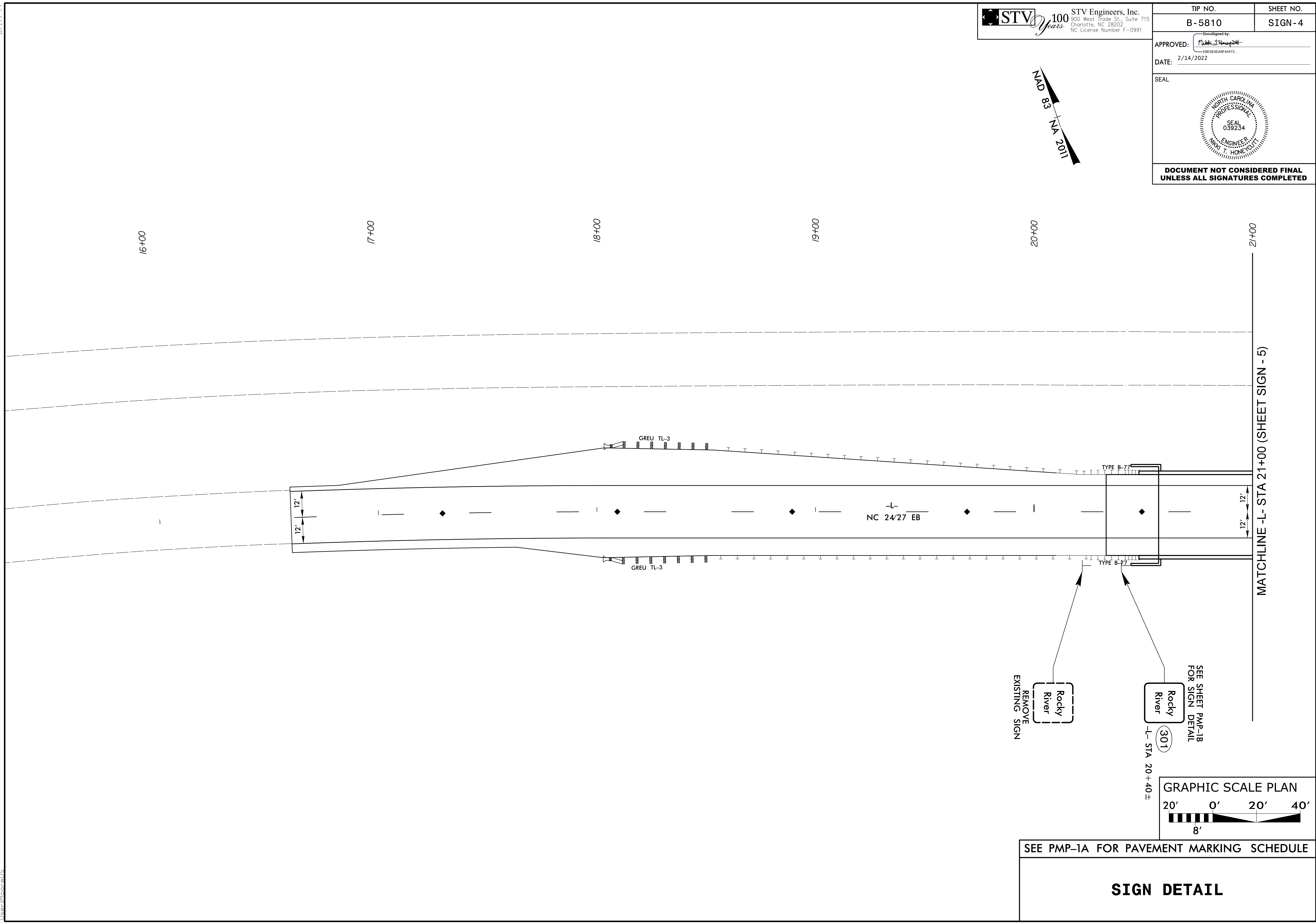
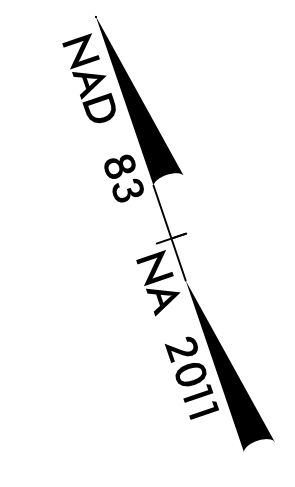
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 Charlotte, NC 28202
 NC License Number F-0991

TIP NO.	SHEET NO.
B-5810	SIGN-4

APPROVED: 
 DATE: 2/14/2022



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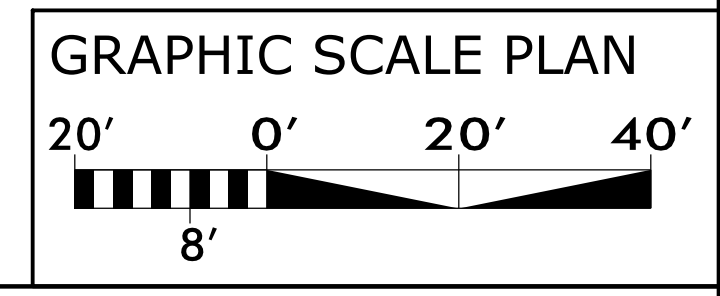


MATCHLINE -L- STA 21+00 (SHEET SIGN - 5)

Rocky River
 REMOVE EXISTING SIGN

Rocky River
 SEE SHEET PMP-1B FOR SIGN DETAIL

(301)
 -L- STA 20+40 ±



SEE PMP-1A FOR PAVEMENT MARKING SCHEDULE

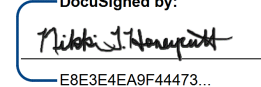
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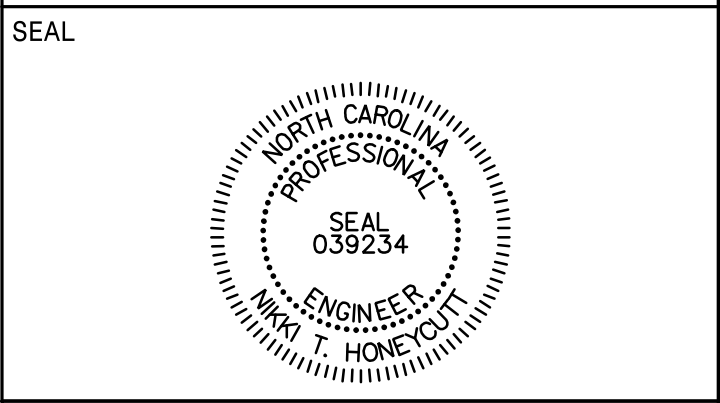
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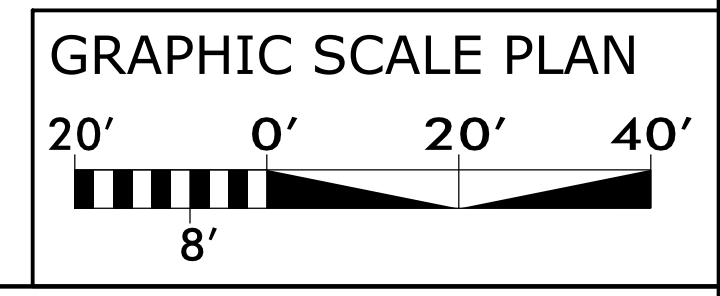
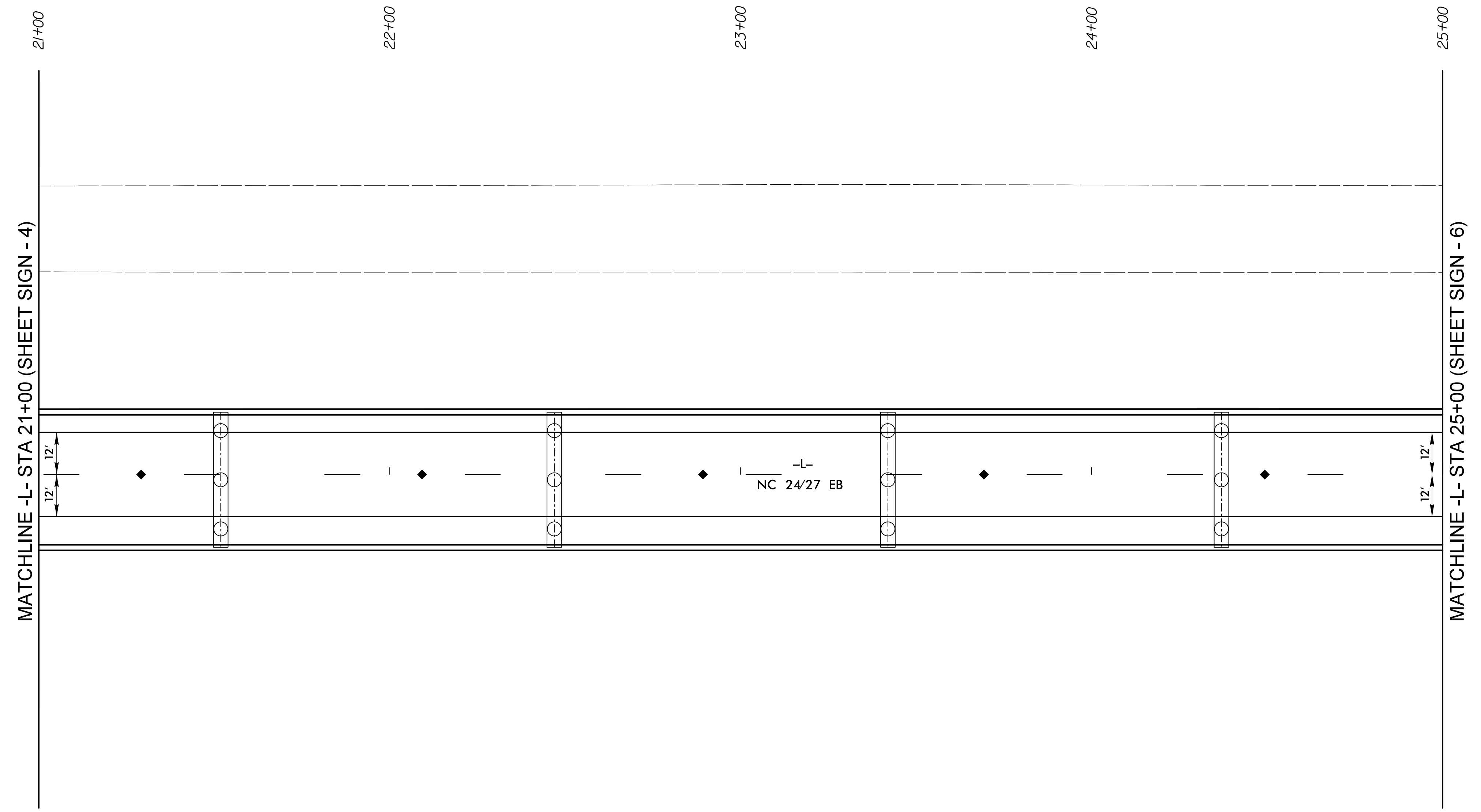
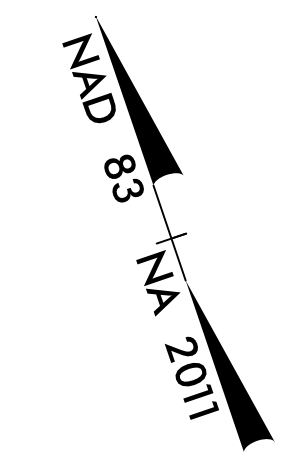
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TIP NO.	SHEET NO.
B-5810	SIGN-5

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SEE PMP-1A FOR PAVEMENT MARKING SCHEDULE

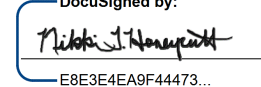
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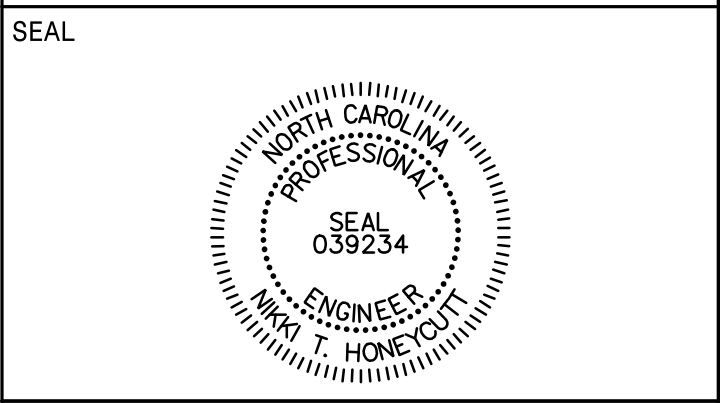
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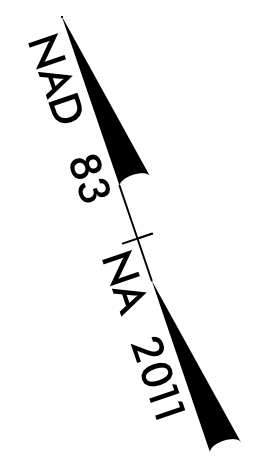
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TIP NO.	SHEET NO.
B-5810	SIGN-6

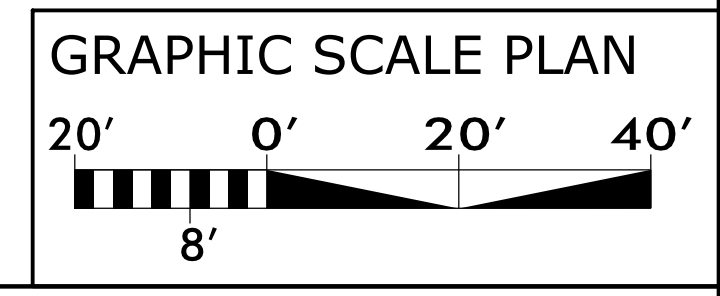
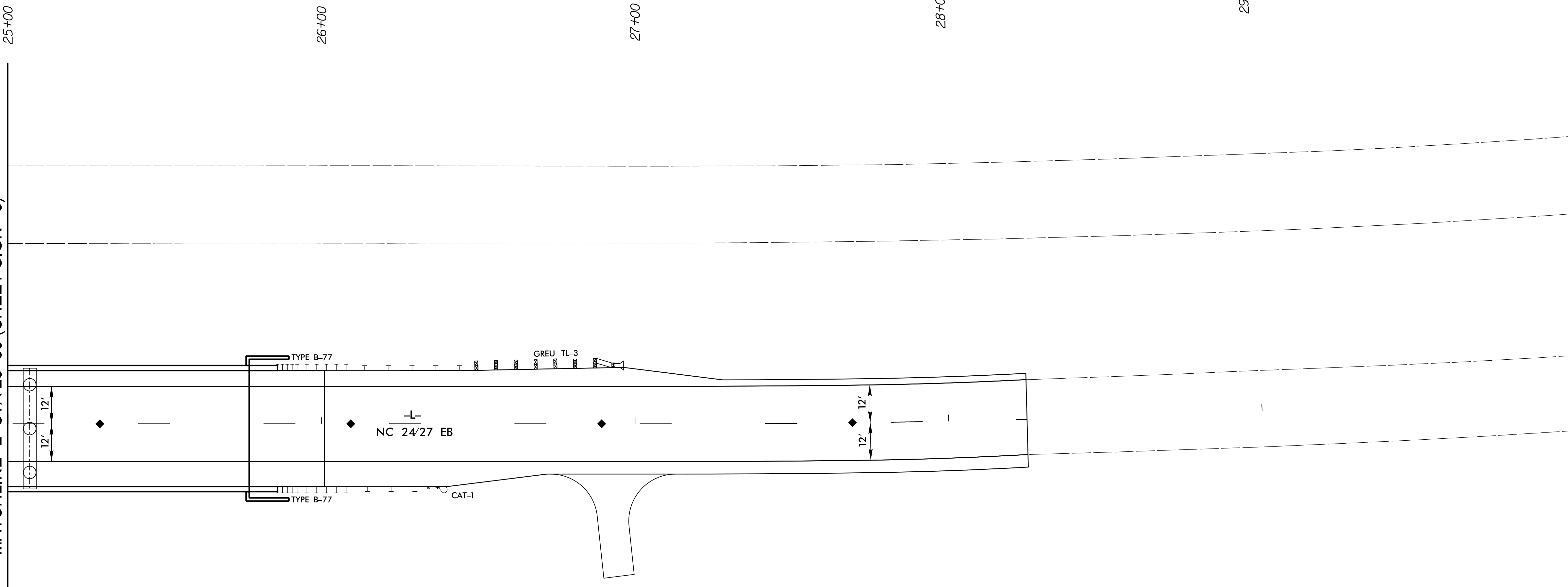
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SEE PMP-1A FOR PAVEMENT MARKING SCHEDULE

SIGN DETAIL

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