

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

ROY COOPER GOVERNOR J. ERIC BOYETTE Secretary

April 13, 2023

Addendum No. 2

RE: Contract # C204741 WBS # 45762.3.1 FEDERAL AID NO. NHP-0029(062) Cabarrus County (B-5808) BRIDGES #57 AND #59 OVER IRISH BUFFALO CREEK ON US-29 AND US-601.

April 18, 2023 Letting

To Whom It May Concern:

Reference is made to the plans furnished to you on this project.

The following revisions have been made to the Structures Plans.

Sheet No.	Revision
S-6 thru S-8	Note regarding Temporary Barrier added.
S-9	Temporary Barrier w/Drainage Slots note revised.
S-25	Twelfth Paragraph removed under "Notes".

Please void the above listed Sheets in your Plans and staple the revised Sheets thereto.

The contract will be prepared accordingly.

Sincerely,

Ronald E. Davenport, Jr., PE State Contract Officer

RED/cms Attachments

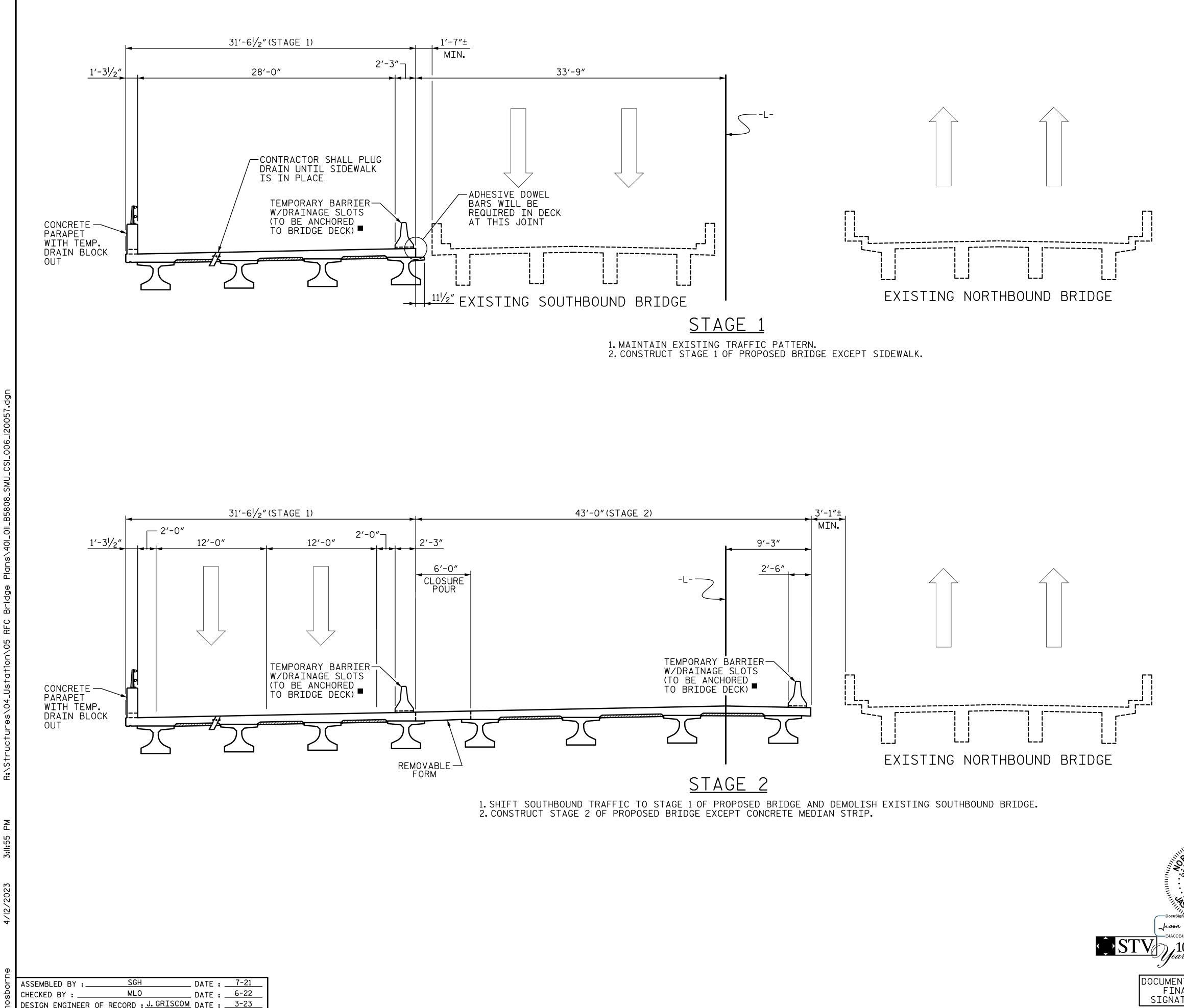
cc: Mr. Boyd Tharrington, PE Mr. Brett D. Canipe, PE Mr. Ken Kennedy, PE Mr. Mike Gwyn Project File (2)

Mailing Address: NC DEPARTMENT OF TRANSPORTATION CONTRACT STANDARDS AND DEVELOPMENT 1591 MAIL SERVICE CENTER RALEIGH, NC 27699-1591 —Docusigned by: Konald Elton Davenport, Jr. —F81B6038A47A442...

> Mr. Forrest Dungan, PE Ms. Jaci Kincaid Mr. Jon Weathersbee, PE

Telephone: (919) 707-6900 Fax: (919) 250-4127 Customer Service: 1-877-368-4968 Location: 1020 BIRCH RIDGE DR. RALEIGH, NC 27610

Website: www.ncdot.gov

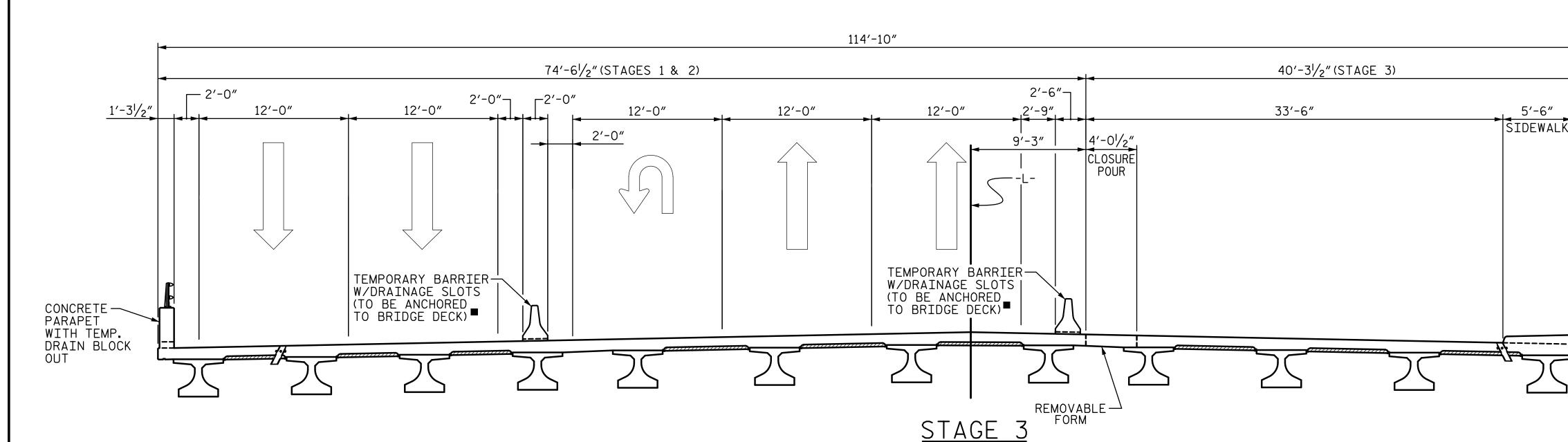


έ				
Ľ	ASSEMBLED BY :	SGH	DATE :.	7-21
ğ	CHECKED BY :	MLO	DATE :	6-22
õ	DESIGN ENGINEER	SGH MLO OF RECORD : J. GRISCOM	DATE :	3-23

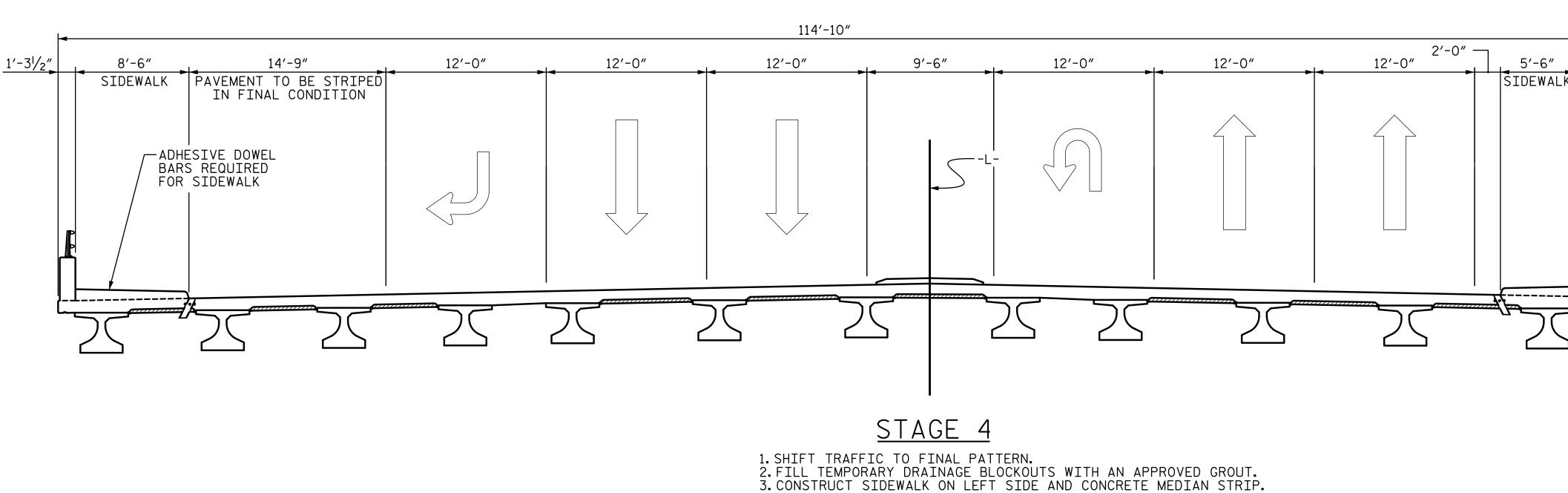
+

	PROJECT N	0B-58	308	
	CABA	RRUS		
	STATION:	20+64.00	-L-	
	SHEET 1 OF 2			
4/12/2023	STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH			
029429 WGINEERS NGINEERS, INC. 100 900 West Trade St., Suite 715		CONSTRL SEQUENCE	JCTION	
100 900 West Trade St., Suite 715 Charlotte, NC 28202 NC License Number F—0991	RE	VISIONS	SHEET NO.	
NT NOT CONSIDERED NAL UNLESS ALL ATURES COMPLETED	NO. BY: DATE: 1 の	NO. BY: DA	TE: S-6 TOTAL SHEETS 65	
	1 2	3 4	total sheets 65	

TEMPORARY BARRIER IS A TRAFFIC CONTROL DETAIL AND PAY ITEM, SEE TRAFFIC CONTROL PLANS FOR LOCATIONS AND PAY LIMITS.



1. SHIFT NORTHBOUND TRAFFIC TO STAGE 2 OF PROPOSED BRIDGE AND DEMOLISH EXISTING NORTHBOUND BRIDGE. 2. CONSTRUCT STAGE 3 OF PROPOSED BRIDGE.



3 : 13:		
4/12/2023		
əc		
L D	ASSEMBLED BY : SGH	DATE : <u>7-21</u>
sþ	CHECKED BY : MLO	DATE : <u>6-22</u>
mosborne	DESIGN ENGINEER OF RECORD : J	GRISCOM DATE : 3-23

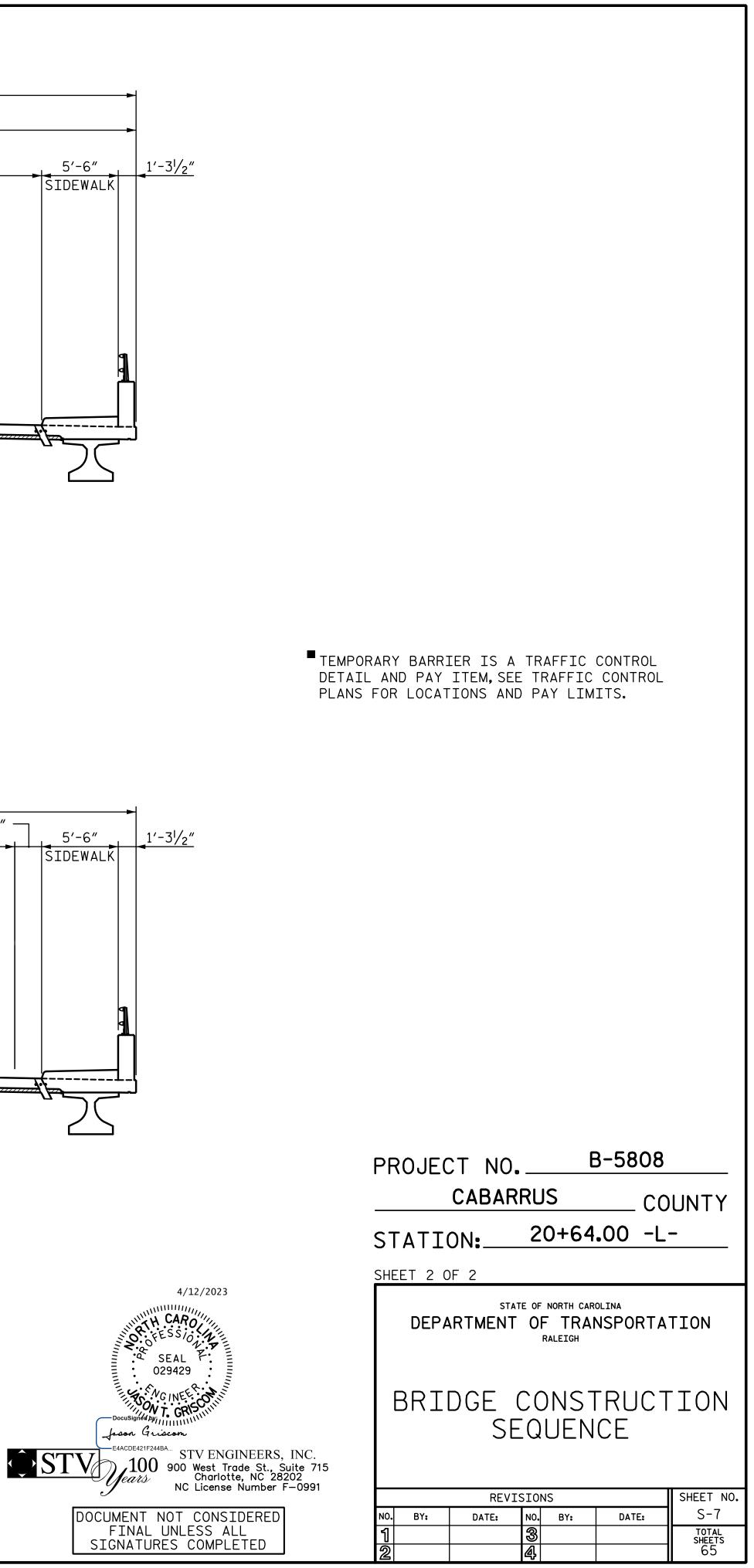
+

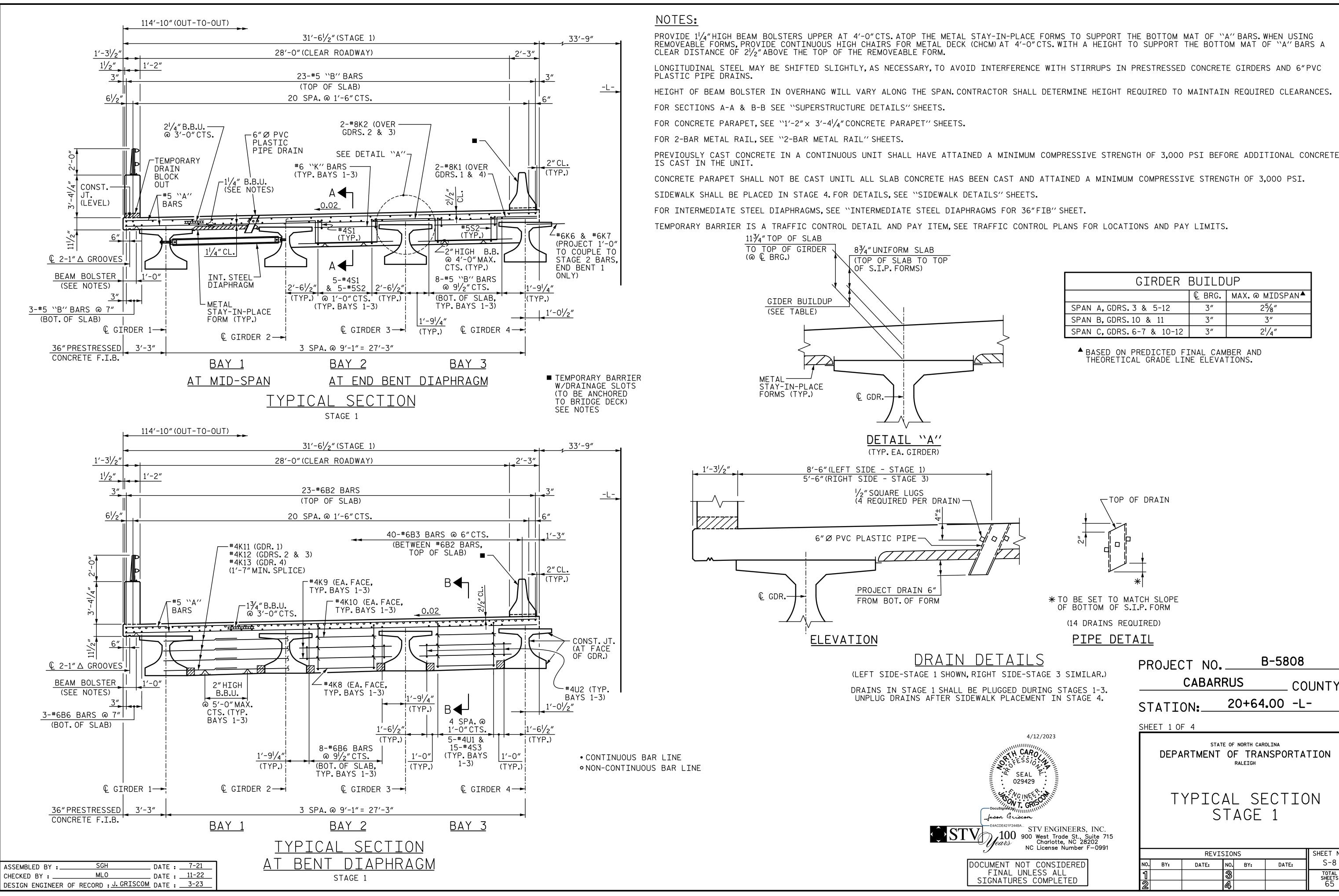
5

+



4. UNPLUG DECK DRAINS. 5. REMOVE TEMPORARY GLANDS IN JOINTS AND INSTALL FINAL CONTINUOUS GLAND.



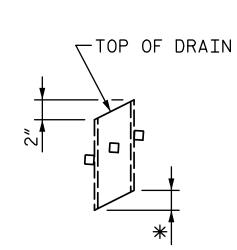


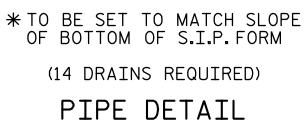
+

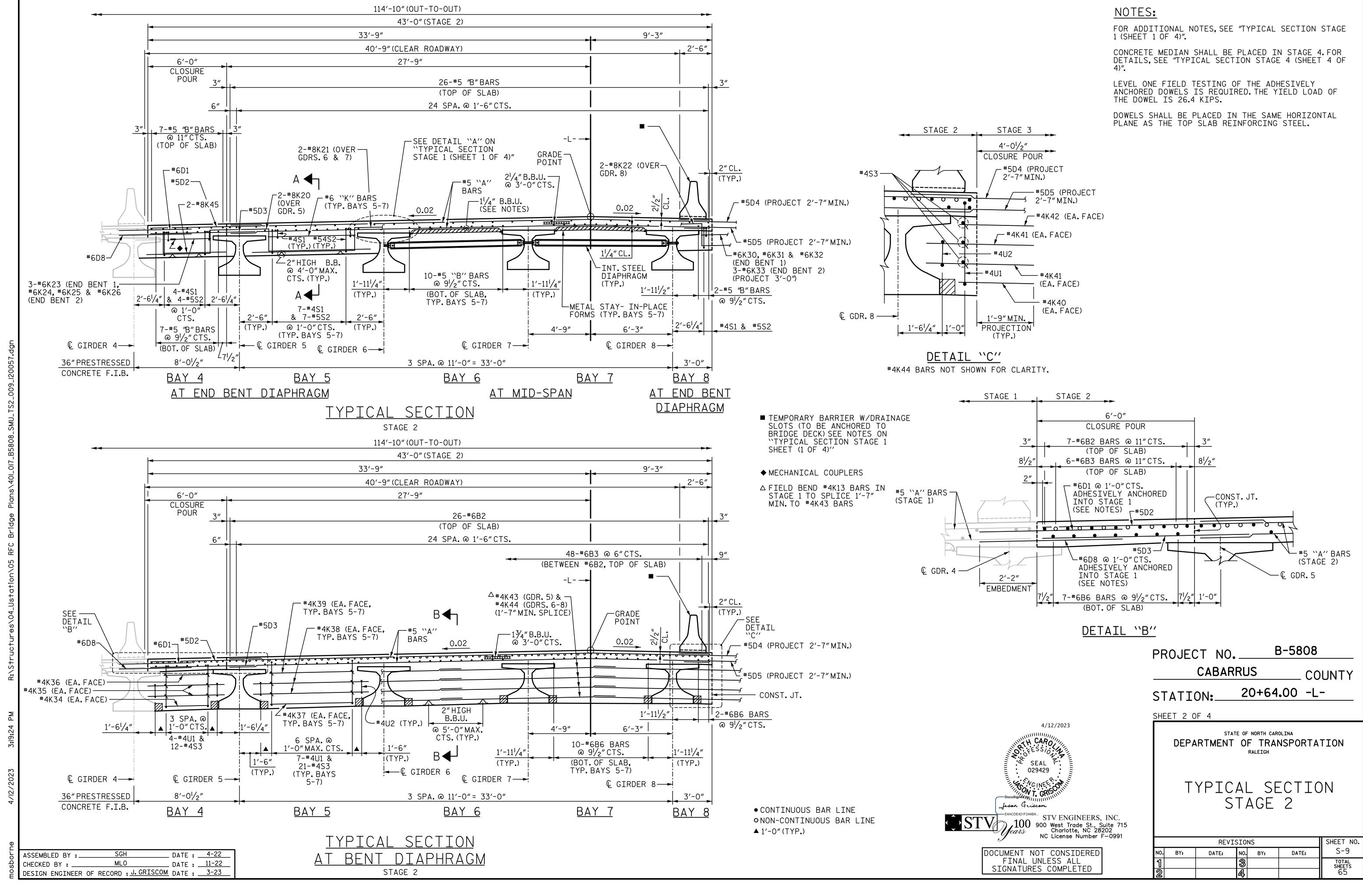
B-5808 PROJECT NO._ CABARRUS COUNTY 20+64.00 -L-STATION: SHEET 1 OF 4 4/12/2023 STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH SEAL SEAL 029429 TYPICAL SECTION STAGE 1 SIVENCINCERS, INC. 900 West Trade St., Suite 715 Charlotte, NC 28202 NC License Number F-0991 SHEET NO REVISIONS S-8 DOCUMENT NOT CONSIDERED DATE: NO. DATE: BY: NO. BY: FINAL UNLESS ALL total sheets 65 SIGNATURES COMPLETED

GIRDER BUILDUP				
	© BRG.	MAX. @ MIDSPAN 🌢		
SPAN A, GDRS. 3 & 5-12	3″	2 ⁵ ⁄/8″		
SPAN B, GDRS. 10 & 11	3″	3″		
SPAN C, GDRS. 6-7 & 10-12	3″	21/4″		

▲ BASED ON PREDICTED FINAL CAMBER AND THEORETICAL GRADE LINE ELEVATIONS.

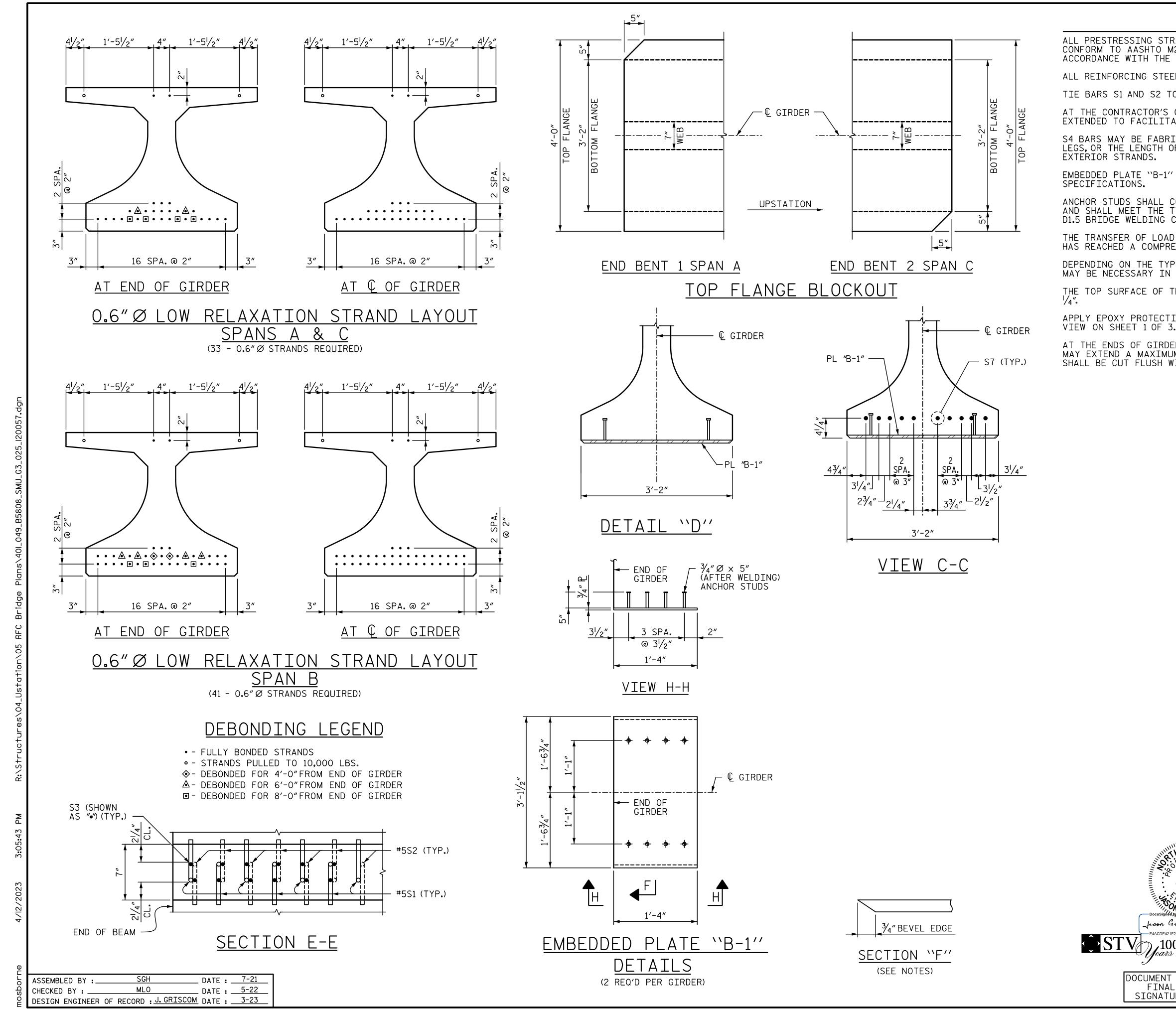






—





+

NOTES

ALL PRESTRESSING STRANDS SHALL BE 7-WIRE LOW-RELAXATION GRADE 270 STRANDS AND SHALL CONFORM TO AASHTO M203 EXCEPT FOR SAMPLING REQUIREMENTS WHICH SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.

ALL REINFORCING STEEL SHALL BE GRADE 60.

TIE BARS S1 AND S2 TO THE FULLY BONDED STRANDS IN THE BOTTOM OR CENTER ROW.

AT THE CONTRACTOR'S OPTION. THE LENGTH OF THE BOTTOM LEGS OF BARS S1 AND S2 MAY BE EXTENDED TO FACILITATE TYING.

S4 BARS MAY BE FABRICATED AS A SINGLE BAR WITH A 1'-O"MINIMUM LAP SPLICE OF THE TOP LEGS, OR THE LENGTH OF THE BOTTOM LEGS MAY BE EXTENDED TO FACILITATE TYING TO THE

EMBEDDED PLATE ``B-1'' SHALL BE GALVANIZED IN ACCORDANCE WITH THE STANDARD

ANCHOR STUDS SHALL CONFORM TO AASHTO M169 GRADES 1010 THROUGH 1020 OR APPROVED EQUAL, AND SHALL MEET THE TYPE "B" REQUIREMENTS OF SUBSECTION 7.3 OF THE ANSI/AASHTO/AWS D1.5 BRIDGE WELDING CODE.

THE TRANSFER OF LOAD FROM THE ANCHORAGES TO THE GIRDER SHALL BE DONE WHEN CONCRETE HAS REACHED A COMPRESSIVE STRENGTH OF NOT LESS THAN 6.000 PSI.

DEPENDING ON THE TYPE OF SYSTEM USED TO SUPPORT THE DECK SLAB FORMS, PRESET ANCHORS MAY BE NECESSARY IN THE PRESTRESSED CONCRETE GIRDER. THE TOP SURFACE OF THE GIRDER, EXCLUDING THE OUTSIDE 4", SHALL BE RAKED TO A DEPTH OF $^{1}\!\!/_{4}$ ".

APPLY EPOXY PROTECTIVE COATING TO END OF GIRDER SURFACES INDICATED IN THE ELEVATION

AT THE ENDS OF GIRDERS TO BE EMBEDDED IN CONCRETE DIAPHRAGMS, PRESTRESSING STRANDS MAY EXTEND A MAXIMUM OF 2"BEYOND THE GIRDER ENDS.OTHERWISE, PRESTRESSING STRANDS SHALL BE CUT FLUSH WITH THE GIRDER ENDS.

