

# LOCATION SKETCH

INFORMATION INDICATED ON THE LOCATION SKETCH SHALL BE CONSIDERED GENERAL INFORMATION ONLY. CONTRACTOR SHALL CONFIRM, THROUGH OTHER SOURCES, SPECIFIC INFORMATION REGARDING BRIDGES, ROADWAY, UTILITIES, THE SURROUNDING AREA, AND ANY OTHER ASPECTS THAT MAY BE NECESSARY TO PERFORM AND COMPLETE THE PROJECT.

DRAWN BY :	R.L.PUTEK	DATE: 08/2024
CHECKED BY :	J.A.YANNACCONE	DATE . 08/2024

SEE CONTRACT DOCUMENTS
SEQUENCING AND OTHER TR
MEASURES FOR STAGING OF
PREPARATION AND POLYMER

THE CONTRACTOR'S ATTENTION IS CALLED TO THE FACT THAT DUE TO THE NATURE OF PRESERVATION PROJECTS, THE EXTENT OF WORK CANNOT ALWAYS BE ACCURATELY DETERMINED PRIOR TO COMMENCEMENT OF WORK. REPAIR LOCATIONS AND ESTIMATES OF **OUANTITIES ARE GIVEN WITH THE BEST INFORMATION** AVAILABLE. IF ADDITIONAL REPAIRS NOT SHOWN ON THE DRAWINGS ARE DEEMED NECESSARY BY THE ENGINEER, THE ENGINEER SHALL NOTE ON THE DRAWINGS THE APPROXIMATE LOCATION AND DESCRIPTION OF THE REPAIR.

EXISTING DIMENSIONS AND BRIDGE CONDITION ARE FROM THE BEST INFORMATION AVAILABLE. THE CONTRACTOR SHALL FIELD VERIFY THE INFORMATION SHOWN ON THE PLANS AND NOTIFY THE ENGINEER IF ACTUAL DIMENSIONS AND CONDITIONS DIFFER.

EXISTING JOINTS AND DECK DRAINS SHALL BE SEALED PRIOR TO BEGINNING SURFACE PREPARATIONS THE CONTRACTOR SHALL HAVE NO CLAIM WHATSOEVER AGAINST THE DEPARTMENT FOR ANY DELAYS OR OF THE BRIDGE DECK. THE CONTRACTOR SHALL TAKE ADDITIONAL COST INCURRED BASED ON DIFFERENCES CARE THAT ANY CONSTRUCTION DEBRIS THAT COLLECTS IN THE DRAINS IS CONTAINED. DRAINS IN BETWEEN WHAT IS SHOWN ON THE PLANS AND THE SHOULDERS OF ADJACENT TRAVEL LANES SHALL BE KEPT FREE AND CLEAR OF DEBRIS. ACTUAL CONDITIONS AT THE PROJECT SITE.

IT IS THE CONTRACTOR'S RESPONSIBILITY TO FOLLOW ALL STATE AND FEDERAL SAFETY REOUIREMENTS.

WORK ON THE BRIDGE SHALL BE PERFORMED SO AS NOT TO ALLOW DEBRIS TO FALL BELOW, EXCEPT WHERE THE CONTRACTOR'S PLAN USED PLATFORMS, NETS, SCREEN OR OTHER PROTECTIVE DEVICES TO CATCH THE MATERIAL. THE CONTRACTOR SHALL SUBMIT PLANS FOR CONSTRUCTION IN ACCORDANCE WITH ARTICLE 402-2 OF THE STANDARD SPECIFICATIONS AND THE PROJECT SPECIAL PROVISIONS. ANY DAMAGE TO EXISTING REINFORCING STEEL DURING CONTRACTOR'S OPERATIONS SHALL BE REPAIRED AS DIRECTED BY THE ENGINEER AND PERFORMED AT NO ADDITIONAL COST TO THE DEPARTMENT.

FOR CONTROL OF TRAFFIC AND LIMITS OF PHASING OF CONSTRUCTION, SEE CONTRACT DOCUMENTS.

BRIDGE COORDINATES								
LATITUDE	LONGITUDE							
34°-19'-20.52''	78°-28'-9.54''							



# **GENERAL NOTES**

FOR LANE WIDTHS, RAFFIC CONTROL OVERLAY SURFACE

PRIOR TO BEGINNING WORK, THE CONTRACTOR SHALL SUBMIT FOR REVIEW AND APPROVAL A COMPLETE SEQUENCE OF TASKS FOR EACH OPERATION AFFECTING R CONCRETE (PC) PLACEMENT. THE BRIDGE SURFACE AND/OR TRAFFIC.

> FOR OTHER DESIGN DATA AND GENERAL NOTES, SEE SHEET SN.

FOR FALSEWORK AND FORMWORK, SEE SPECIAL PROVISIONS.

FOR SUBMITTAL OF WORKING DRAWINGS, SEE SPECIAL PROVISIONS.

FOR CRANE SAFETY, SEE SPECIAL PROVISIONS.

FOR GROUT FOR STRUCTURES, SEE SPECIAL PROVISIONS.

ALL PAVEMENT MARKING WILL BE IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.

LONGITUDINAL CONSTRUCTION JOINTS OF OVERLAYS SHALL BE LOCATED ALONG THE CENTERLINE OR EDGE OF TRAVEL LANES.

FOR CLASS IB SURFACE PREPARATION, SEE BRIDGE DECK ASPHALT OVERLAY SPECIAL PROVISION.

FOR ASPHALT PLUG JOINTS FOR PRESERVATION, SEE SPECIAL PROVISIONS.

FOR PILE ENCAPSULATION, SEE SPECIAL PROVISIONS.

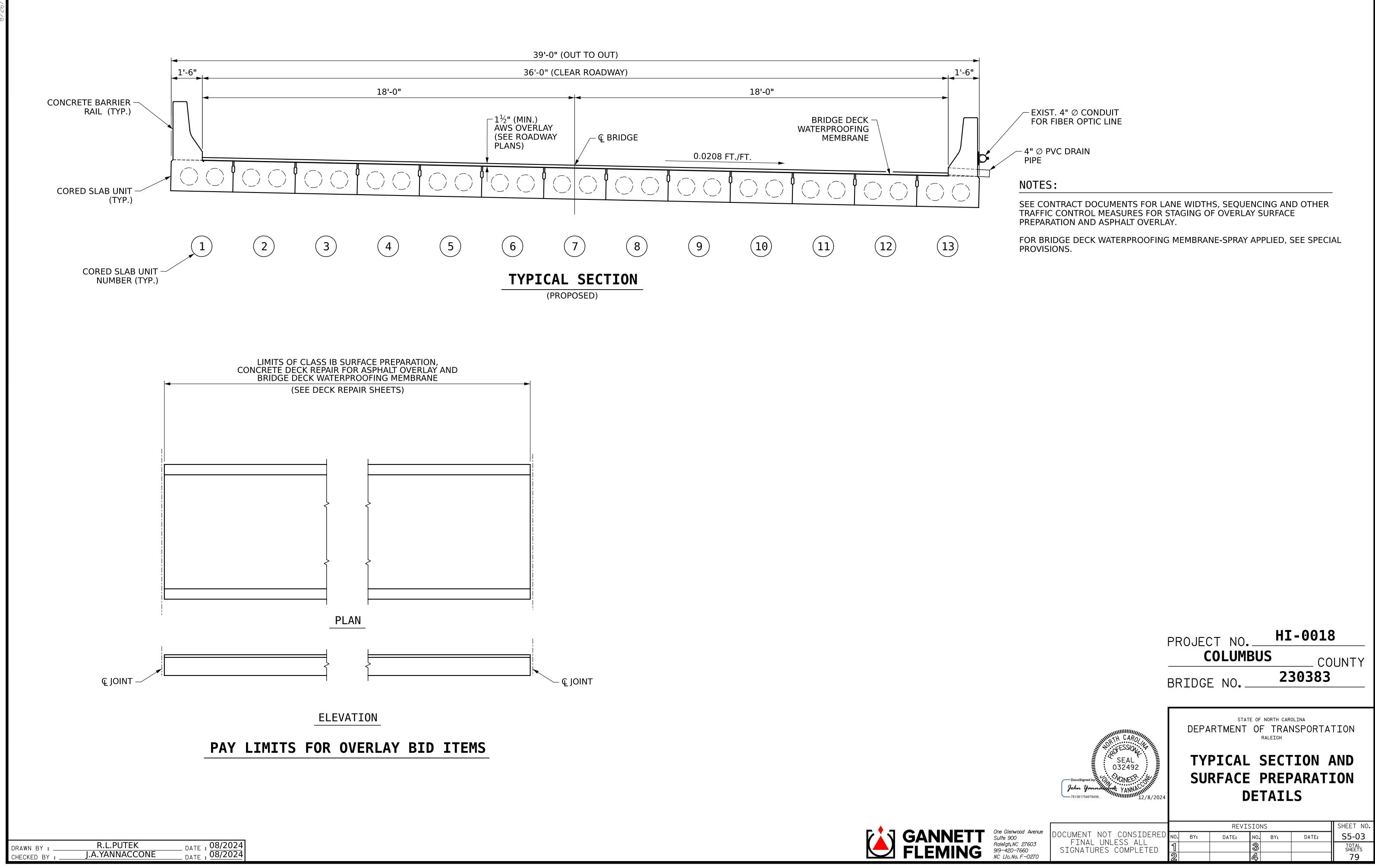
FOR BRIDGE DECK WATERPROOFING MEMBRANE-SPRAY APPLIED, SEE SPECIAL PROVISIONS.

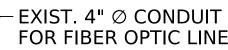
	PROJECT NO. <u>HI-0018</u> <u>Columbus</u> county	_ Ƴ
	BRIDGE NO. 230383	
TH CAROLUM	STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH	
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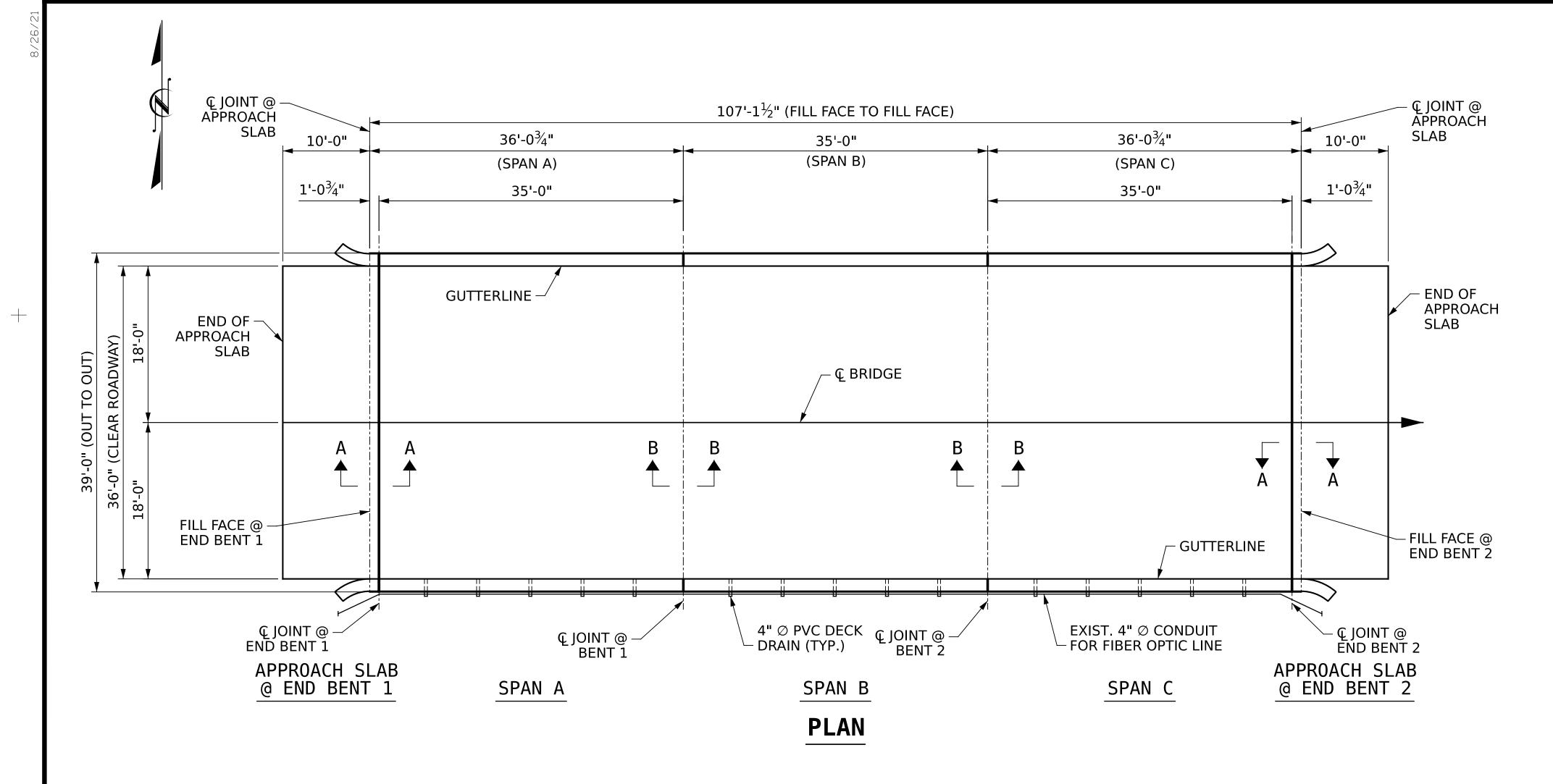


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### NOTES

REPAIR LOCATIONS AND ESTIMATED QUANTITIES ARE GIVEN WITH THE BEST INFORMATION AVAILABLE. IF ADDITIONAL REPAIRS NOT SHOWN ON THE DRAWINGS ARE DEEMED NECESSARY BY THE ENGINEER, THE ENGINEER WILL NOTE ON THE DRAWINGS THE APPROXIMATE LOCATIONS AND DESCRIPTION OF THE REPAIRS AND ADJUST THE ACTUAL QUANTITIES ENTERED INTO THE REPAIR QUANTITY TABLE.

FOR SECTION A-A AND B-B. SEE "ASPHALT PLUG JOINT DETAILS" SHEET.

FOR CLASS IB SURFACE PREPARATION, SEE BRIDGE DECK ASPHALT OVERLAY SPECIAL PROVISION.

FOR BRIDGE DECK WATERPROOFING MEMBRANE-SPRAY APPLIED, SEE SPECIAL PROVISIONS.

FOR ASPHALT OVERLAY, SEE ROADWAY PLANS.

DRAWN BY :	R.L.PUTEK	DATE : 08/2024
CHECKED BY	J.A.YANNACCONE	DATE : 08/2024

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# AS-BUILT QUANTITY REPAIR TABLE

DECK SURFACE REPAIR & APPROACH SLAB REPAIR

		ESTIMATE	ACTUAL
	APPROACH SLAB @ END BENT 1	40.0 SQ. YDS.	
CLASS IB	SPAN A	144.3 SQ. YDS.	
SURFACE PREPARATION	SPAN B	140.0 SQ. YDS.	
	SPAN C	144.3 SQ. YDS.	
	APPROACH SLAB @ END BENT 2	40.0 SQ. YDS.	
BRIDGE DECK ATERPROOFING MBRANE-SPRAY APPLIED	APPROACH SLAB @ END BENT 1	6.0 SQ. YDS.	
	SPAN A	144.3 SQ. YDS.	
	SPAN B	140.0 SQ. YDS.	
	SPAN C	144.3 SQ. YDS.	
	APPROACH SLAB @ END BENT 2	6.0 SQ. YDS.	

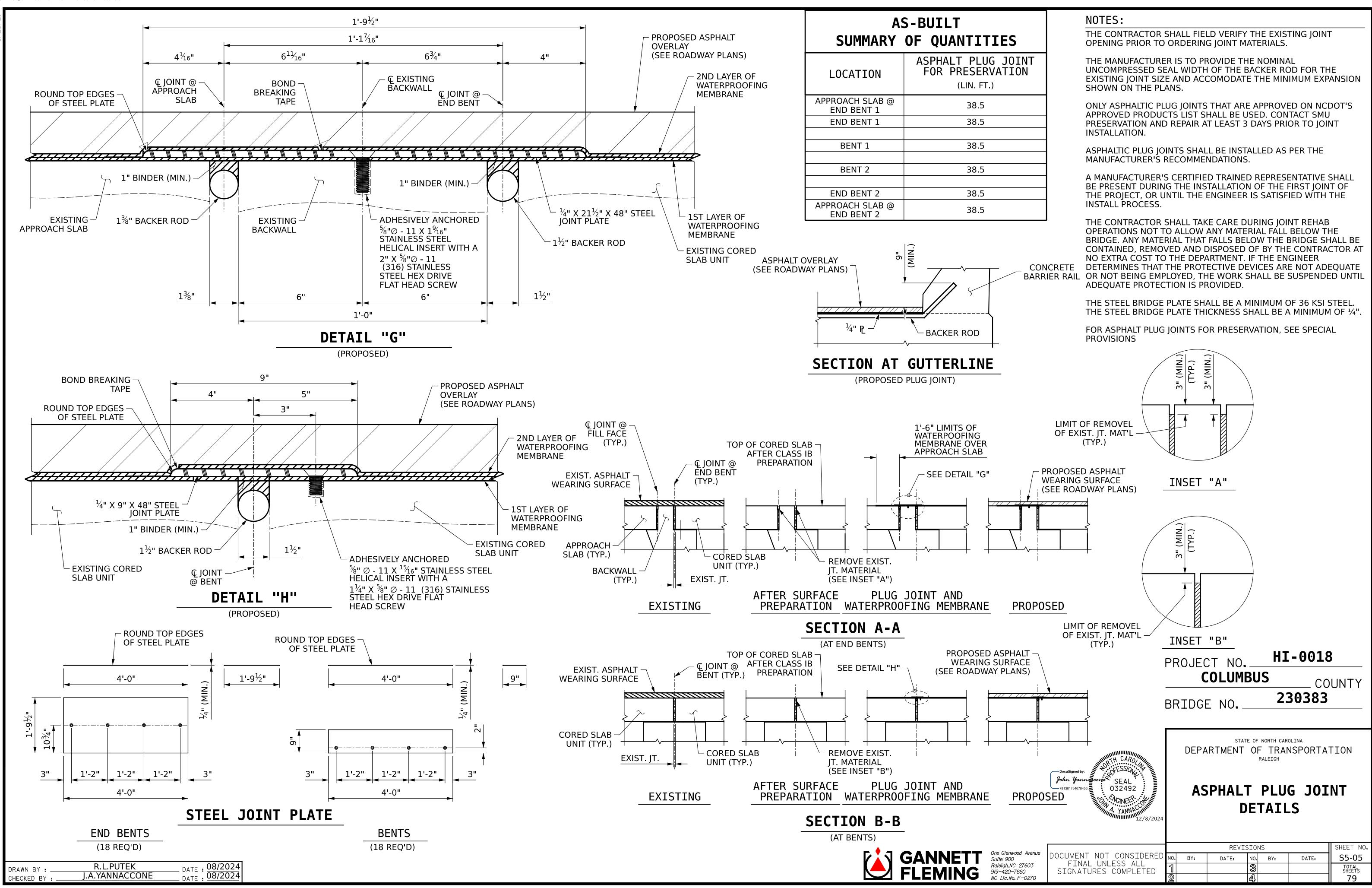
CLASS IB SURFACE PREPARATION

		PROJECT <b>CO</b> BRIDGE	LUMB	SUS	-0018 C0 30383	<b>B</b> UNTY
	DocuSigned by: John Yannidestree 781361754678456		MENT	RALEIGH	NSPORTAT	
nwood Avenue 20	DOCUMENT NOT CONSIDERED	NO. BY:	REVIS:	IONS NO. BY:	DATE:	SHEET NO. <b>S5-04</b>
NC 27603 D-7660 No. F-0270	FINAL UNLESS ALL SIGNATURES COMPLETED	1		3 4		TOTAL SHEETS <b>79</b>

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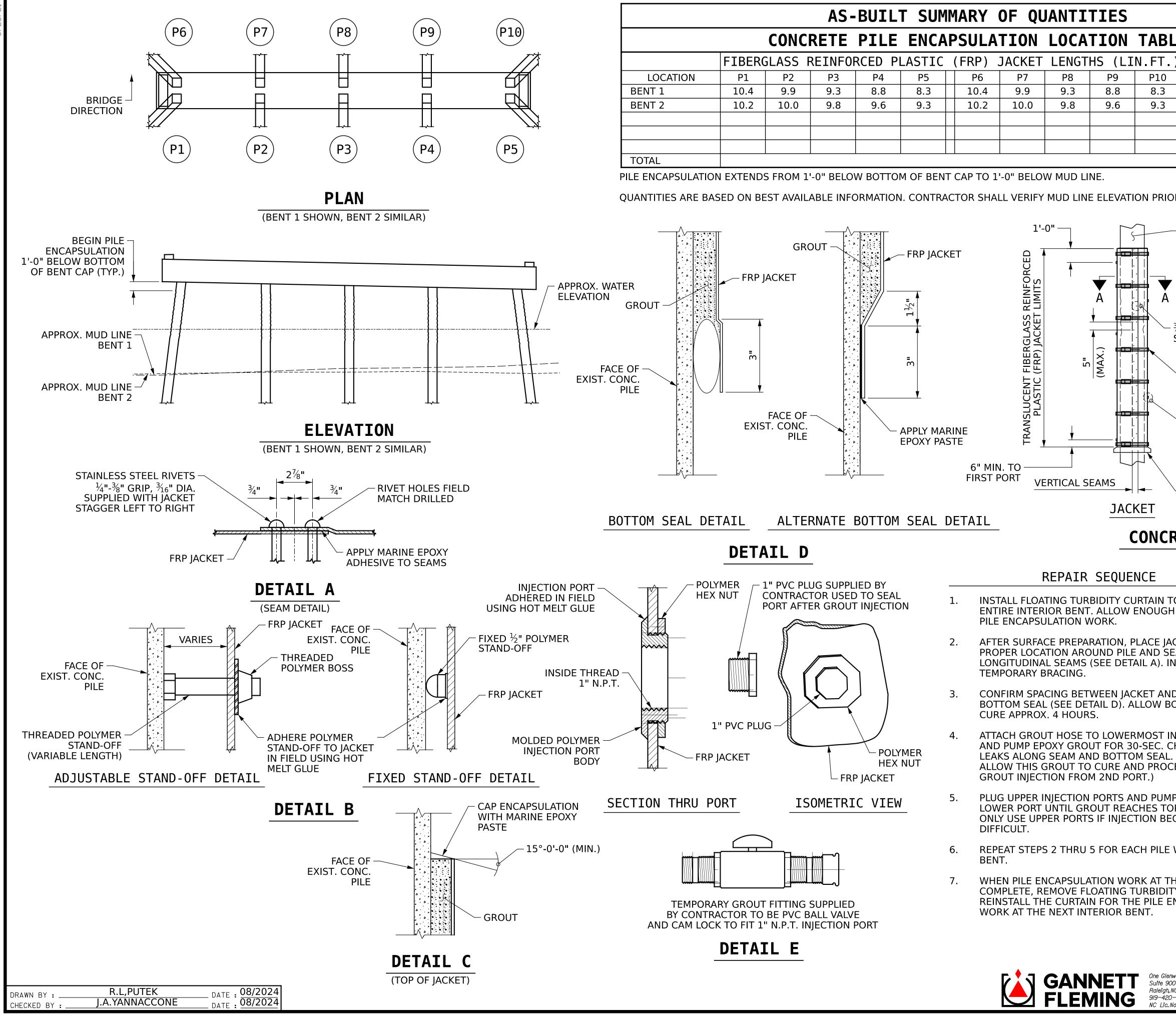
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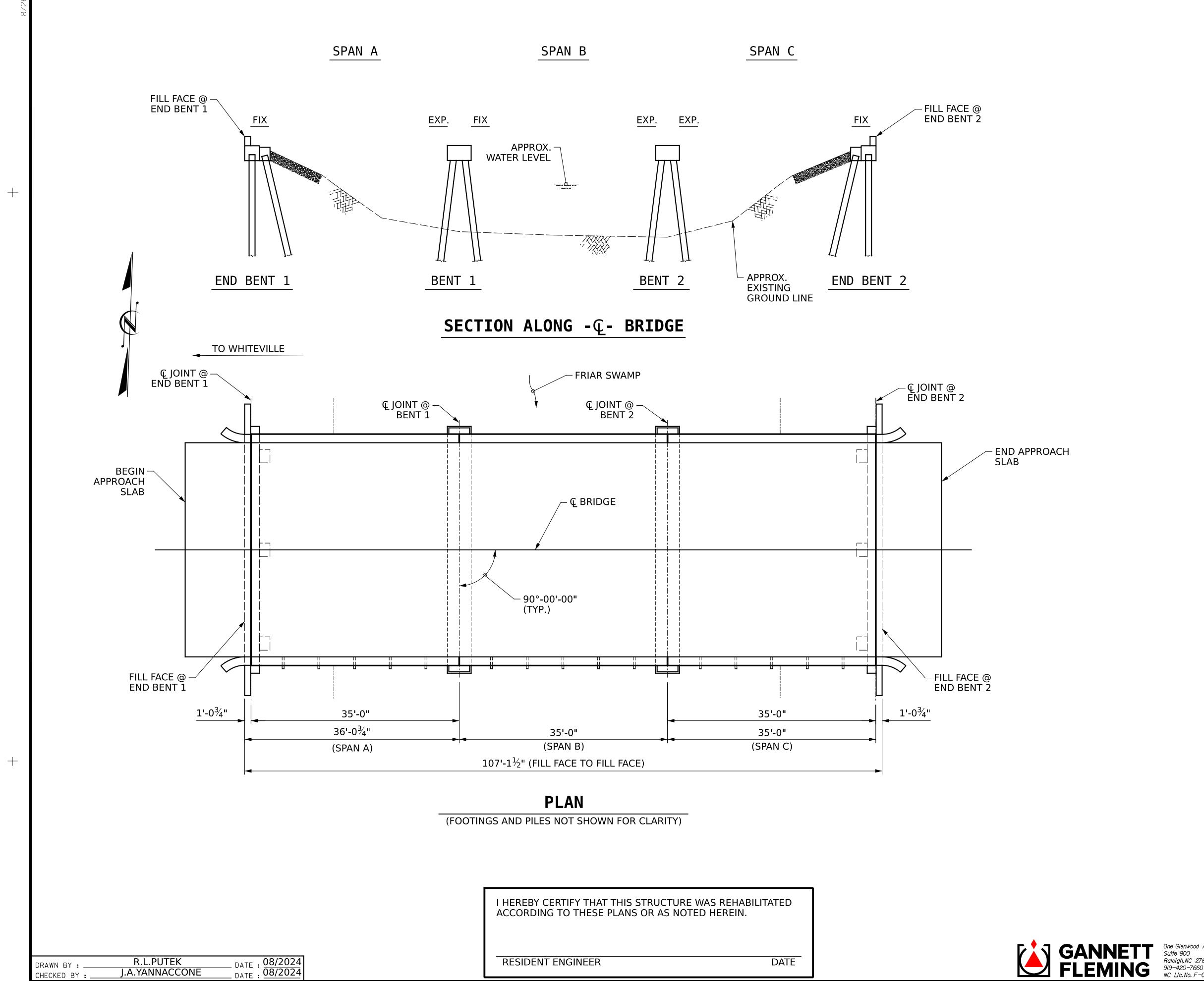


				AS-	BUIL	T SUM	MARY	OF QU	JANTI	TIES				
			CONC	RETE	PILE	ENCA	PSULA	TION	LOCA <sup>.</sup>	TION	TABL	E		NOTE:
												ESTIMATE	ACTUAL	THE FLOATING TURBIDITY CURTAIN QUANTITY SHOWN ON THE TOTAL BILL OF MATERIAL IS
	LOCATION	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	LIN. FT.	LIN. FT.	BASED ON A 5.0' WATER DEPTH AND THE
	ENT 1	10.4	9.9	9.3	8.8	8.3	10.4	9.9	9.3	8.8	8.3	93.4		LENGTH NECESSARY TO FULLY ENCOMPASS ONE INTERIOR BENT.
В	ENT 2	10.2	10.0	9.8	9.6	9.3	10.2	10.0	9.8	9.6	9.3	97.8		FOR FLOATING TURBIDITY CURTAIN, SEE
					+									SPECIAL PROVISIONS.
														CONTRACTOR SHALL MAKE ALL REASONABLE
												191.2		EFFORTS TO LIMIT CONTAMINATION OF THE WATER DURING EXCAVATION FOR THE PILE
PILE	ENCAPSULATION	EXTENDS	5 FROM 1	'-0" BELO	W BOLLO	M OF BEN	I CAP IO I	'-0" BELO	W MUD LII	NE.				ENCAPSULATION, PUMPING OF EPOXY GROUT, AND ALL OTHER WORK TO INSTALL THE PILE
QUA	ANTITIES ARE BASI	ED ON BE	ST AVAIL	ABLE INFC	ORMATION	I. CONTRA	ACTOR SHA	LL VERIFY	MUD LINE	E ELEVATIO	ON PRIOR	TO INSTALLATIO	ON OF JACKETS.	ENCAPSULATION.
ACE OF . CONC PILE	GROUT GROUT FRP JACKET													
DUII	OM SEAL DET		IL D		BOTTOM	SEAL	DETAIL			<u> </u>	ONCR	ETE PILE	ENCAPS	JLATION
				-				F	RFPATR	SEQUE	VCF			
	POLYN HEX N	NUT / C	CONTRAC		LIED BY D TO SEAL T INJECTIO		ENT	rall floa Ire inter	TING TUR IOR BENT	BIDITY CU . Allow e	RTAIN TO	ENCOMPASS SPACE FOR	-	
AD –							2. AFT PRO LON	ENCAPSUER SURFA	CE PREPAI TION ARC L SEAMS	RATION, P OUND PILE	AND SEA	L		
P.T.							3. CON BOT	IFIRM SPA	CING BET	TAIL D). AI		PILE. INSTALL ITOM SEAL TO		
	1"	PVC PLU	G –	\ \								ECTION PORT		
	FRP JA	ACKET		– FRI		′MER NUT	LEA ALLO	) PUMP EP KS ALONG OW THIS ( )UT INJECT	SEAM AN	D BOTTO	M SEAL. ( D PROCE	OPTIONALLY		PROJECT NO. HI-0018 COLUMBUS COUNTY
SECT	ION THRU PO	RT	IS	OMETRI	IC VIEW	<u> </u>	LOW ONL		UNTIL GR	OUT REAC	CHES TOP	GROUT INTO OF JACKET. OME		BRIDGE NO. 230383
		<u> </u>	<u>_</u>	- <u> </u>			6. REP BEN		5 2 THRU	5 FOR EAC	CH PILE W	ITHIN ONE		STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
	TEMPORAR BY CONTRAC AND CAM LOCK	CTOR TO	BE PVC B	BALL VALVI	Έ		7. WHI CON REIN	EN PILE EN IPLETE, RI	emove fl Ie curtaii	OATING T N FOR THI	URBIDITY E PILE EN	CURTAIN AND CAPSULATION	AGRAGE MARKAGE	RALEIGH <b>SUBSTRUCTURE REPAIR</b> CONCRETE PILE ENCAPSULATION
		ΝΕΤΛΤ										/-	12, 0,	

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No. F-0270		2			4			79

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## **NOTES:**

GENERAL DRAWING INFORMATION IS TAKEN FROM THE ORIGINAL PLANS AND THE ROUTINE INSPECTION REPORT DATED 07/15/2024.

BRIDGE ORIENTATION CONFORMS TO THE EXISTING BRIDGE PLANS AND ROUTINE INSPECTION REPORT.

# **SCOPE OF WORK:**

- REMOVE ASPHALT WEARING SURFACE BY SCARIFICATION.
- INSTALL WATERPROOFING MEMBRANE.
- OVERLAY PREPARED TOP OF CORED SLABS WITH ASPHALT OVERLAY.
- REMOVE EXISTING JOINT AND INSTALL ASPHALT PLUG JOINTS.
- ENCAPSULATE CONCRETE PILES WITH FRP JACKETS.

		UNTY
	BRIDGE NO. 230384	
	SHEET 1 OF 2	
NUMBER CAROL	STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTAT RALEIGH	ION
DocuSigned by SEAL John Yannadent, YANNA 781361754678456	<b>GENERAL DRAWING</b> FOR BRIDGE ON US 74 - US 76 BYP WB OVER FRIAR SWAMP	
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