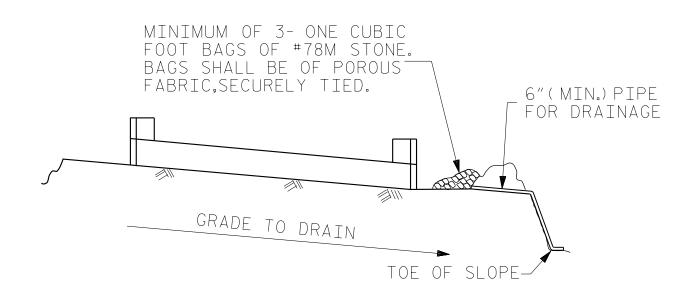
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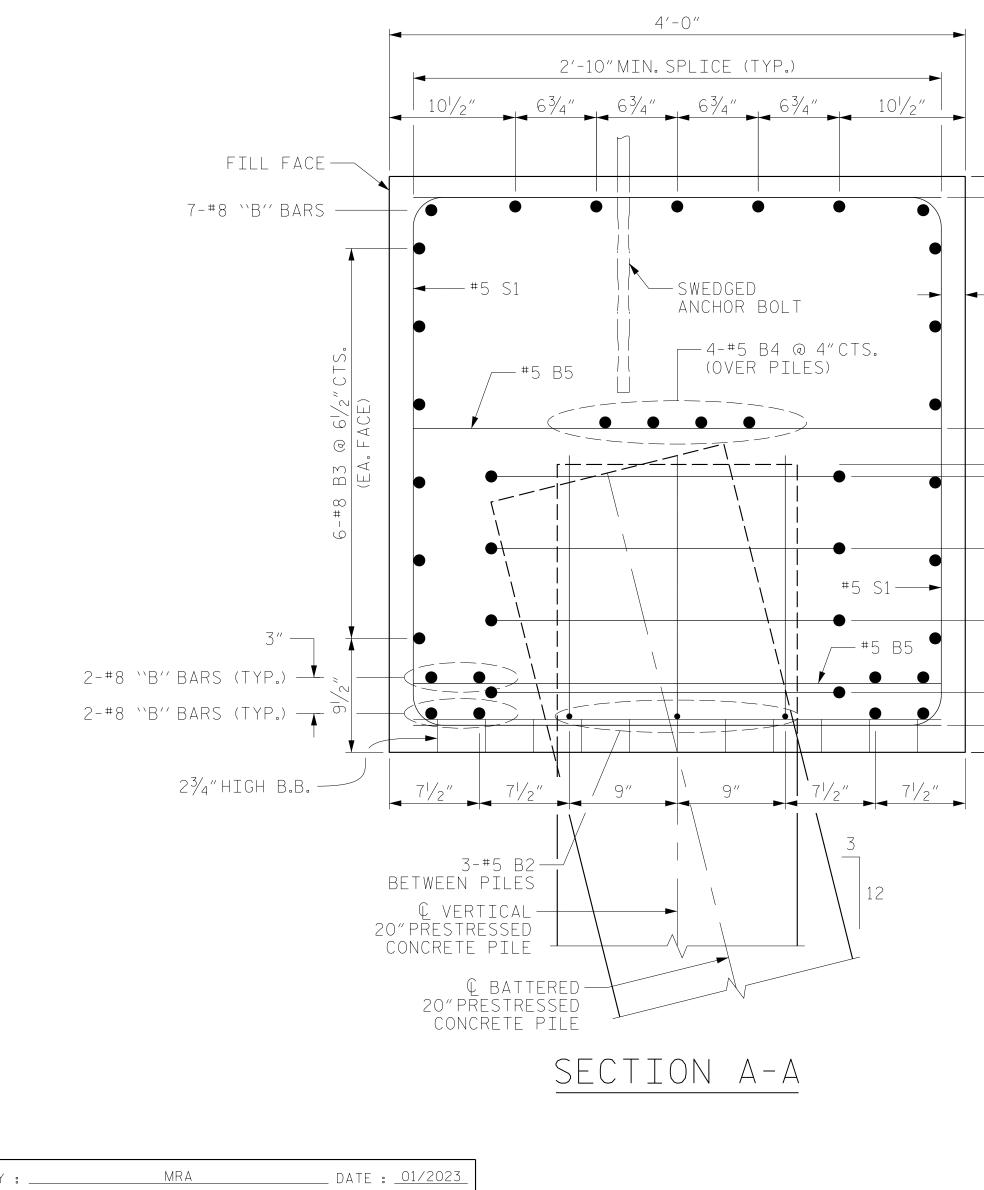


BAGGED STONE AND PIPE SHALL BE PLACED IMMEDIATELY AFTER COMPLETION OF END BENT EXCAVATION. PIPE MAY BE EITHER CONCRETE, CORRUGATED STEEL, CORRUGATED ALUMINUM ALLOY, OR CORRUGATED PLASTIC. PERFORATED PIPE WILL NOT BE ALLOWED.

BAGGED STONE SHALL REMAIN IN PLACE UNTIL THE ENGINEER DIRECTS THAT IT BE REMOVED. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF SILT ACCUMULATIONS AT BAGGED STONE WHEN SO DIRECTED BY THE ENGINEER. BAGS SHALL BE REMOVED AND REPLACED WHENEVER THE ENGINEER DETER-MINES THAT THEY HAVE DETERIORATED AND LOST THEIR EFFECTIVENESS.

NO SEPARATE PAYMENT WILL BE MADE FOR THIS WORK AND THE ENTIRE COST OF THIS WORK SHALL BE INCLUDED IN THE UNIT CONTRACT PRICE BID FOR THE SEVERAL PAY ITEMS.

TEMPORARY DRAINAGE AT END BENT



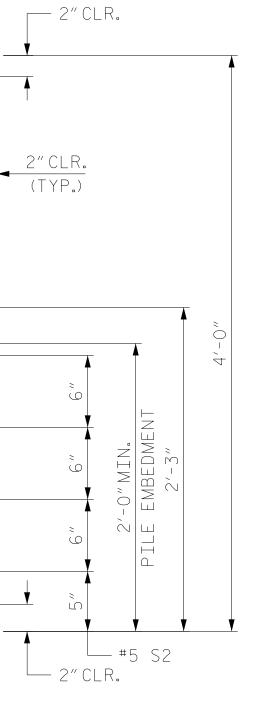
DRAWN BY :	MRA		DATE	8	01/2023
CHECKED BY :	МКО		DATE	0	01/2023
DESIGN ENGINEER	OF RECORD:	RLB	DATE	0	03/2023

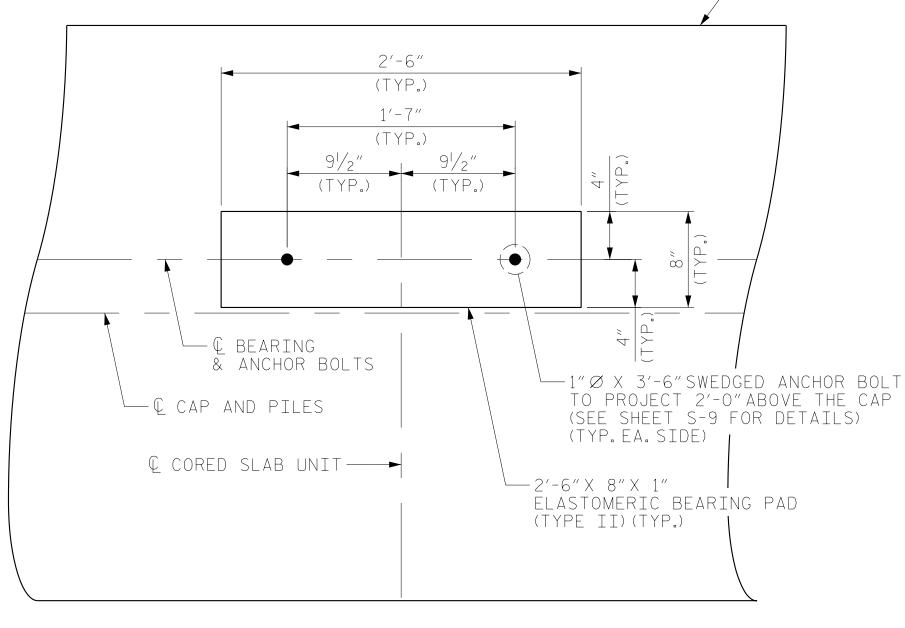
3/28/2023 X:\P\1034226004_BR-0160 Brunswick 15\Design\Structures\CAD\401_063_BR0160_SMU_E_S-32_090015.dgn CuanyN



2′-10″ LAP — (2)2'-6"Ø

ALL BAR DIMENSIO





DETAIL ``A'' END BENT NO.2.SHOWN,END BENT NO.1SIMILAR BUT OPPOSITE HAND. DIMENSIONS ARE TYPICAL FOR EACH GIRDER. PILES NOT SHOWN FOR CLARITY.

			1						
TYPES	BILL OF MATERIAL								
	FOR ONE END BENT								
B2 	1'-10" 3'-8"		BAR	NO.	SIZE	TYPE	LENGTH	TOTAL LENGTH	
			B1	15	#8	STR	50'-6"	757'-6"	
			B2	30	#5	1	6'-11''	207'-6″	
			B3	12	#8	STR	50'-6"	606'-0"	
			Β4	4	#5	STR	50'-6"	202'-0"	
	(1)		B5	23	#5	STR	3′-8″	84'-4"	
		ă ă	B6	14	#8	3	8'-7"	120'-2"	
			B7	16	#8	3	5'-6"	88'-0"	
			H1	56	#8	3	10'-0"	560'-0"	
		S1 S1							
			K1	24	#6	STR	3′-8″	88'-0"	
			S1	120	#5	1	11'-0"	1320'-0"	
			S2	36	#5	2	10'-9"	387'-0″	
B7, H1									
B			V1	48	#5	STR	6'-5"	308'-0"	
Β Q			V2	48	#5	STR	6'-7"	316′-0″	
	TOTAL LIN.FT. #5 BARS 2824.8 LIN.FT.								
Ž	TOTAL LIN. FT. #6 BARS 88.0 LIN. FT.								
↓ , , , , , , , , , , , , , , , , , , ,	TOTAL LIN.FT. #8 BARS 2131.7 LIN.FT.								
7'-3" B6 GLASS FIBER REINFORCED									
	4'-2"	−−	POLYMER BARS 5044.5 LIN. FT.						
8'-8" H1 CLASS AA CONCRETE BREAKDOWN									
-	0 0		POUR #			, , , , , , , , , , , , , , , , , , , ,	DHEANDU	31.0 C.Y.	
	(CAP AND LOWER PART OF WINGS)								
	POUR #2 2.7 C.Y.								
ONS ARE OUT TO OUT			(UPPER PART OF WINGS)						
			TOTAL	CLASS	AA CC	NCRET	E	33.7 C.Y.	

CEPTRESSION

18442

LEON BO

3/28/2023

BR-0160 PROJECT NO.__ BRUNSWICK COUNTY STATION: 21+77.50 -L-SHEET 4 OF 4 STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH

SUBSTRUCTURE END BENT NO.1 & 2 RS&H

	RS&H Architects-Engineers-Planners, Inc.	REVISIONS						SHEET NO.
	8521 Six Forks Road, Suite 400 Raleigh, NC 27615	NO.	BY:	DATE:	NO.	BY:	DATE:	S-32
SS ALL	919-926-4100 FAX 919-846-9080	1			3			TOTAL SHEETS
OMPLETED	www.rsandh.com North Carolina License Nos. 50073 * F-0493 * C-28	2			Ą			42