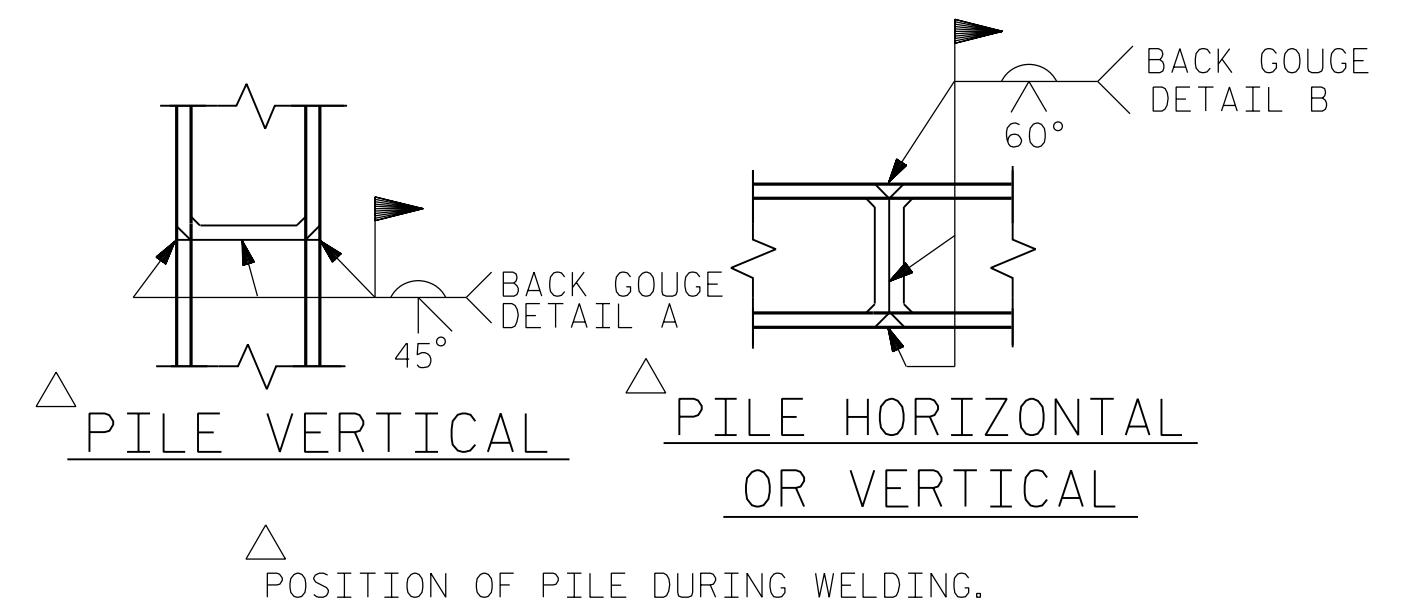
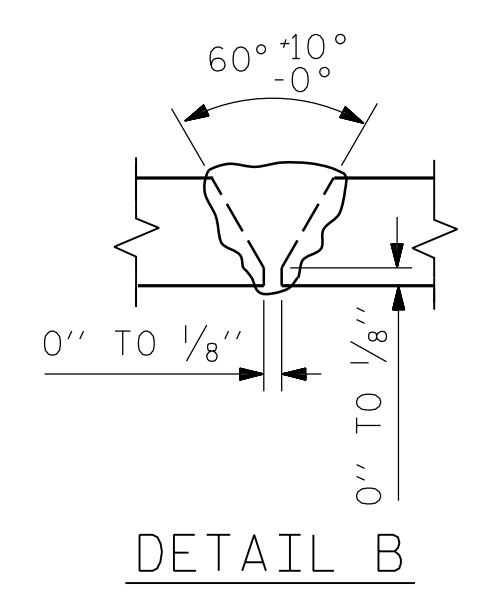
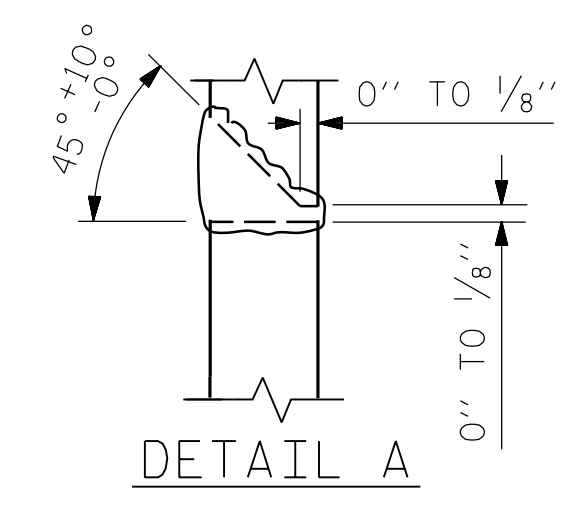


BAGGED STONE AND PIPE SHALL BE PLACED IMMEDIATELY AFTER COMPLETION OF END BENT EXCAVATION. PIPE MAY BE EITHER CONCRETE, CORRUGATED STEEL, CORRUGATED ALUMINUM ALLOY, OR CORRUGATED PLASTIC. PERFORATED PIPE WILL NOT BE ALLOWED.

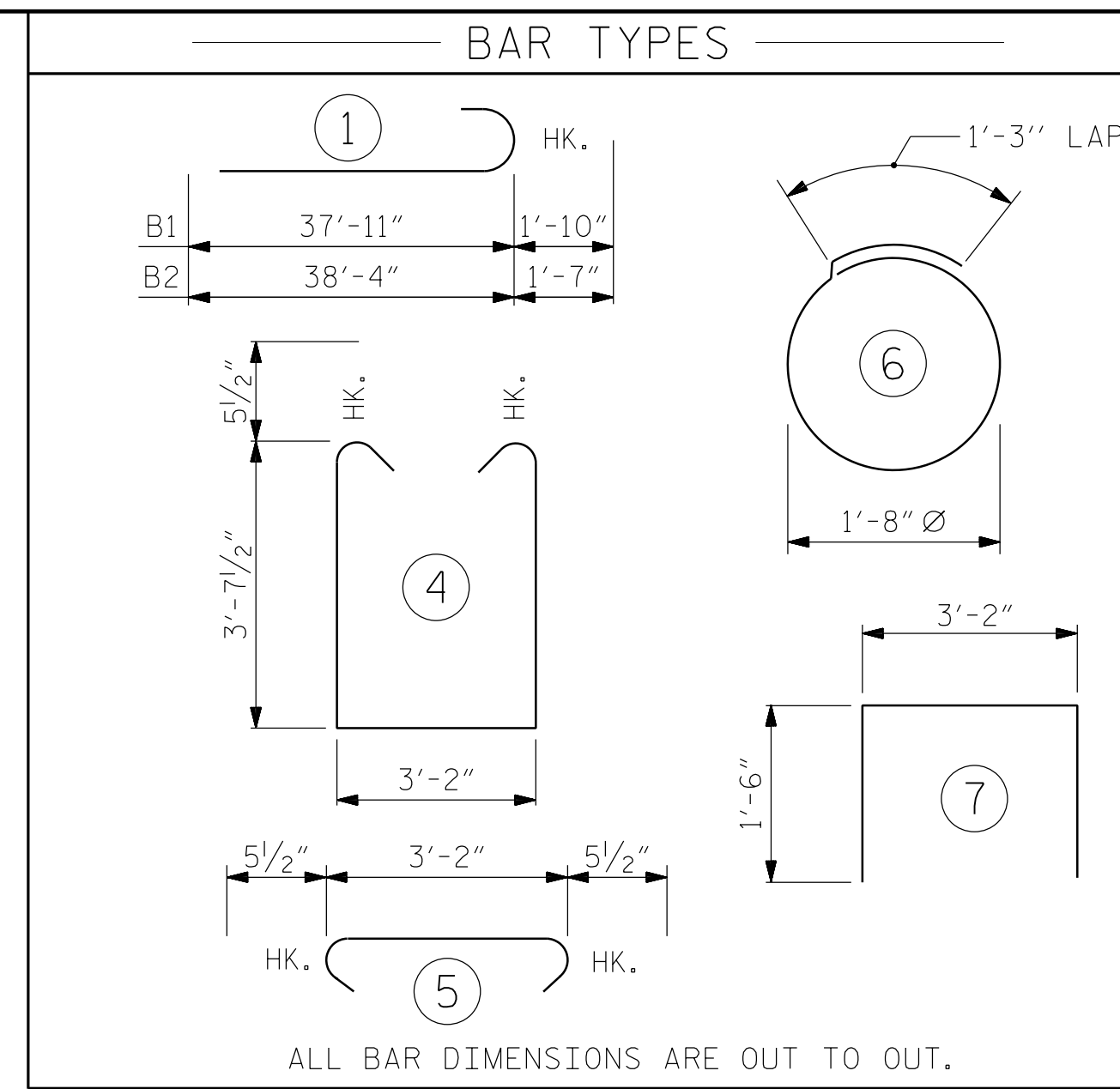
BAGGED STONE SHALL REMAIN IN PLACE UNTIL THE ENGINEER DIRECTS THAT IT BE REMOVED. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF SILT ACCUMULATIONS AT BAGGED STONE WHEN SO DIRECTED BY THE ENGINEER. BAGS SHALL BE REMOVED AND REPLACED WHENEVER THE ENGINEER DETERMINES THAT THEY HAVE DETERIORATED AND LOST THEIR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

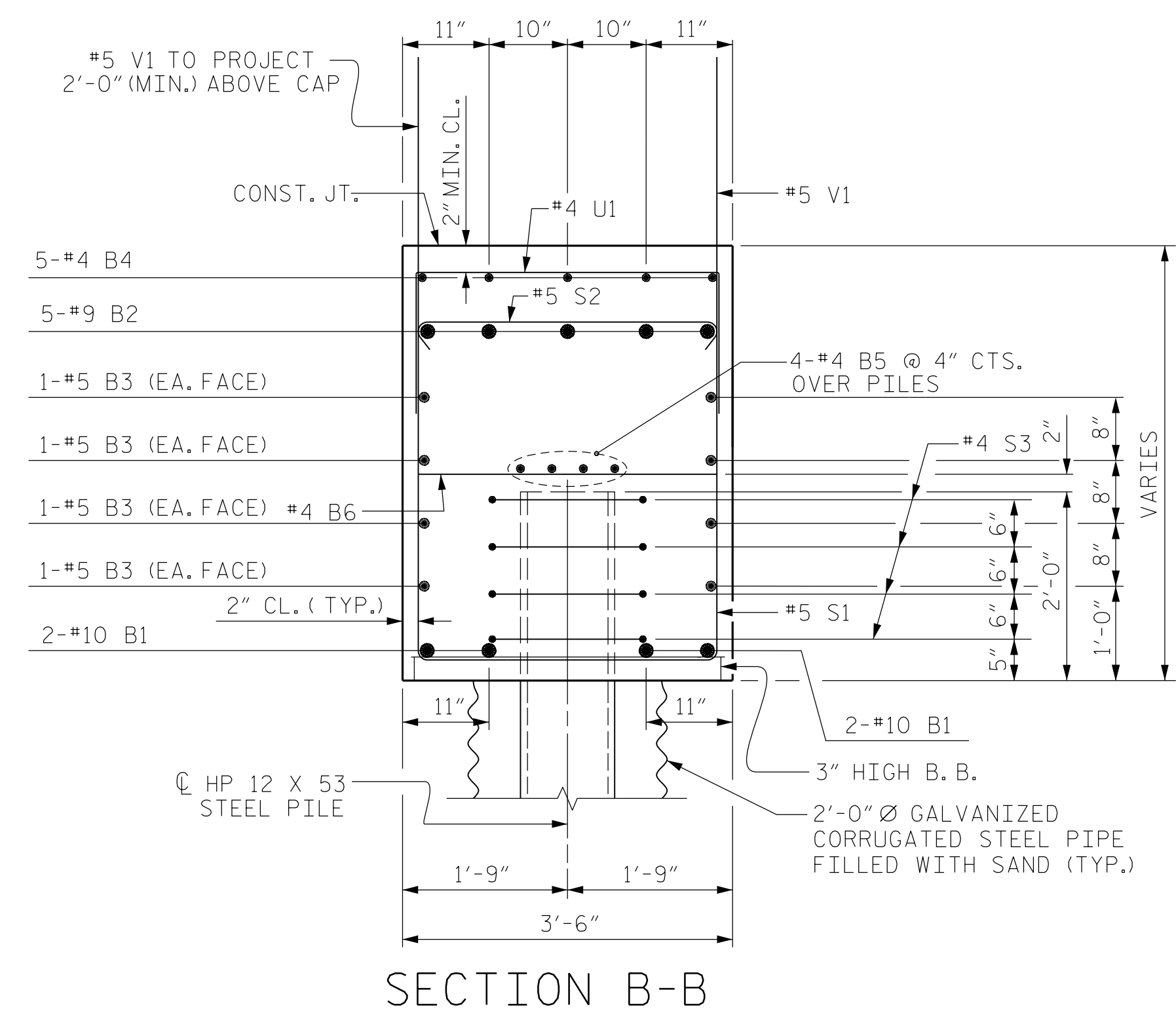
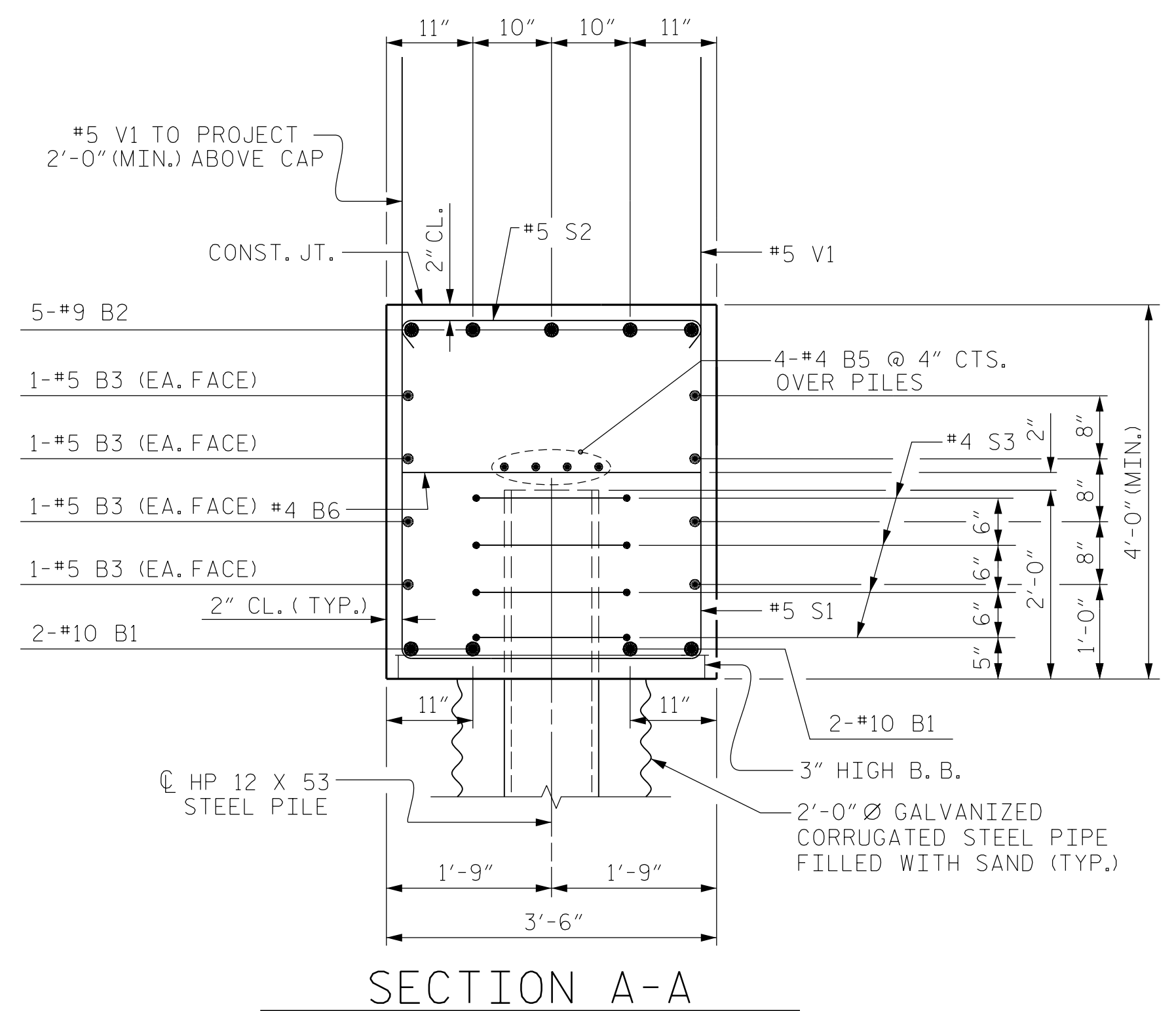
### TEMPORARY DRAINAGE AT END BENT



### PILE SPLICE DETAILS



BILL OF MATERIAL FOR END BENT #1						BILL OF MATERIAL FOR END BENT #2					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT	BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	8	#10	1	39'-9"	1,368	B1	8	#10	1	39'-9"	1,368
B2	10	#9	1	39'-11"	1,357	B2	10	#9	1	39'-11"	1,357
B3	16	#5	STR	37'-2"	620	B3	16	#5	STR	37'-2"	620
B4	5	#4	STR	29'-6"	99	B4	5	#4	STR	29'-6"	99
B5	8	#4	STR	36'-11"	197	B5	8	#4	STR	36'-11"	197
B6	18	#4	STR	3'-2"	38	B6	18	#4	STR	3'-2"	38
K1	28	#4	STR	2'-8"	50	K2	28	#4	STR	2'-8"	50
S1	125	#5	4	11'-4"	1478	S1	125	#5	4	11'-4"	1478
S2	125	#5	5	4'-1"	532	S2	125	#5	5	4'-1"	532
S3	48	#4	6	6'-6"	208	S3	48	#4	6	6'-6"	208
U1	20	#4	7	6'-2"	82	U1	20	#4	7	6'-2"	82
V1	122	#5	STR	6'-7"	838	V1	122	#5	STR	6'-7"	838
V2	16	#5	STR	10'-2"	170	V2	16	#5	STR	10'-2"	170
REINFORCING STEEL (FOR END BENT #1)						REINFORCING STEEL (FOR END BENT #2)					
7,037 LBS.						7,037 LBS.					
CLASS A CONCRETE BREAKDOWN (FOR END BENT #1)						CLASS A CONCRETE BREAKDOWN (FOR END BENT #2)					
POUR #1 CAP & LOWER PART OF WINGS 39.7 C.Y.						POUR #1 CAP & LOWER PART OF WINGS 39.8 C.Y.					
POUR #2 UPPER PART OF WINGS 1.3 C.Y.						POUR #2 UPPER PART OF WINGS 1.3 C.Y.					
TOTAL CLASS A CONCRETE 41.0 C.Y.						TOTAL CLASS A CONCRETE 41.1 C.Y.					
HP 12 X 53 STEEL PILES NO: 12 LIN. FT. = 360						HP 12 X 53 STEEL PILES NO: 12 LIN. FT. = 360					
PILE DRIVING EQUIPMENT SETUP FOR HP 12 X 53 STEEL PILES NO: 12						PILE DRIVING EQUIPMENT SETUP FOR HP 12 X 53 STEEL PILES NO: 12					
PILE EXCAVATION NOT IN SOIL LIN. FT. = 120						PILE EXCAVATION NOT IN SOIL LIN. FT. = 120					

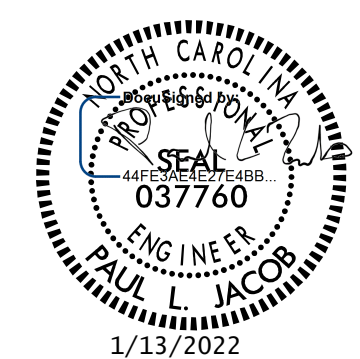


PROJECT NO. B-5737

ROCKINGHAM COUNTY

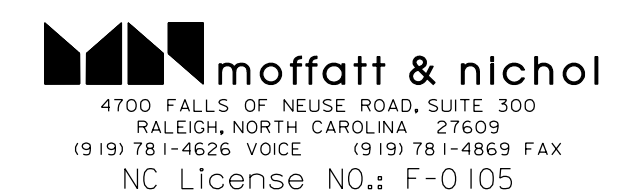
STATION: 20+86.07 -L-

SHEET 4 OF 4



STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH  
 SUBSTRUCTURE  
 INTEGRAL END BENT DETAILS

DRAWN BY : J. LOFTUS DATE : 03-2021  
 CHECKED BY : P. JACOB DATE : 07-2021  
 DESIGN ENGINEER OF RECORD : J. LOFTUS DATE : 04-2021



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

REVISIONS						SHEET NO.	
NO.	BY:	DATE:	NO.	BY:	DATE:	S-24	
1			3			TOTAL SHEETS	
2			4			29	

1/12/2022 02:19:10 PM \\1001-103\B5737\Structures\01-CADD\03-Final Drawings\01\_047\_B5737\_SMU\_EB04\_024\_780106.dgn P:Jacob