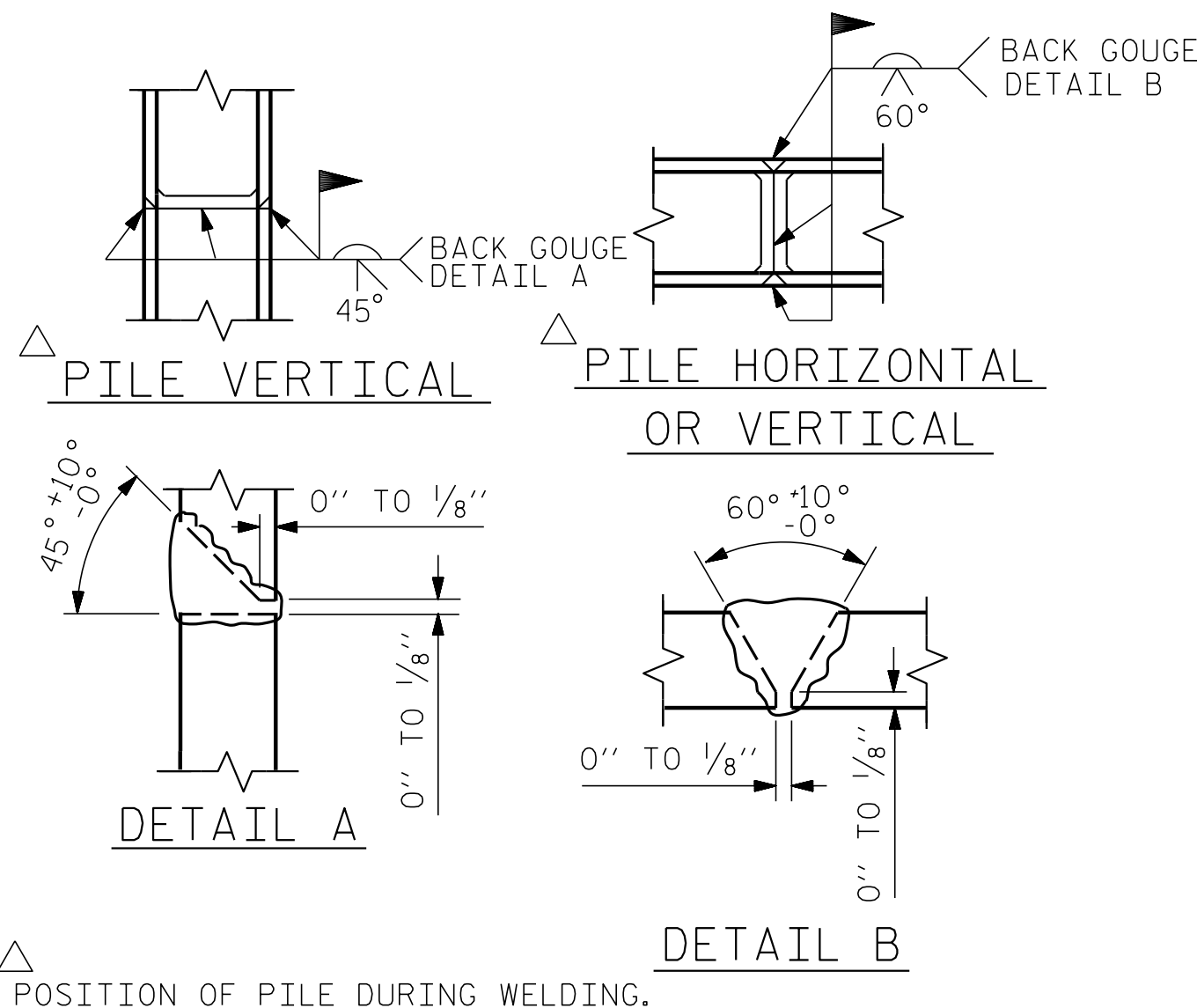


BAGGED STONE AND PIPE SHALL BE PLACED IMMEDIATELY AFTER COMPLETION OF END BENT EXCAVATION. PIPE MAY BE EITHER CONCRETE, CORRUGATED STEEL, CORRUGATED ALUMINUM ALLOY, OR CORRUGATED PLASTIC. PERFORATED PIPE WILL NOT BE ALLOWED.

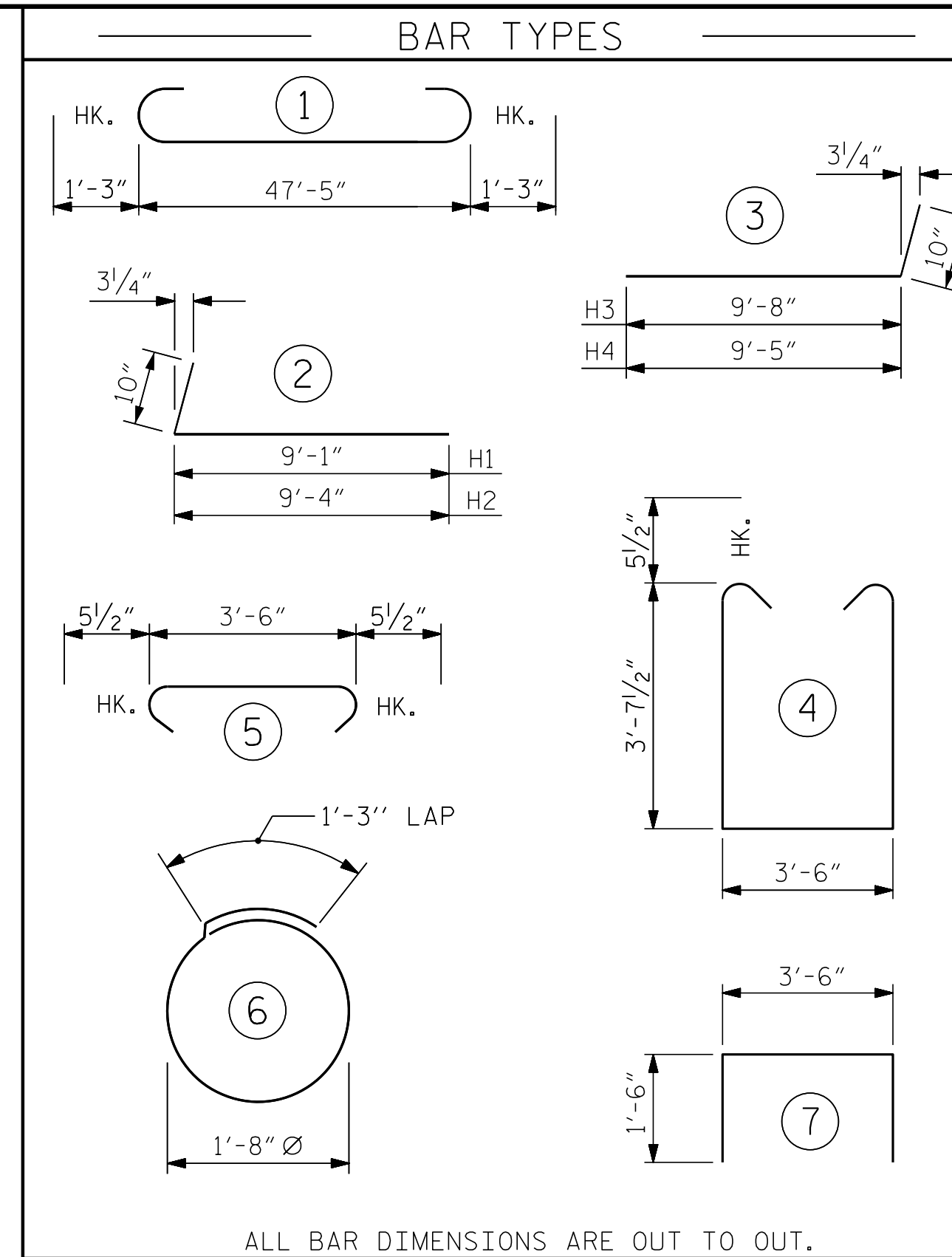
BAGGED STONE SHALL REMAIN IN PLACE UNTIL THE ENGINEER DIRECTS THAT IT BE REMOVED. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF SILT ACCUMULATIONS AT BAGGED STONE WHEN SO DIRECTED BY THE ENGINEER. BAGS SHALL BE REMOVED AND REPLACED WHENEVER THE ENGINEER DETERMINES THAT THEY HAVE DETERIORATED AND LOST THEIR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



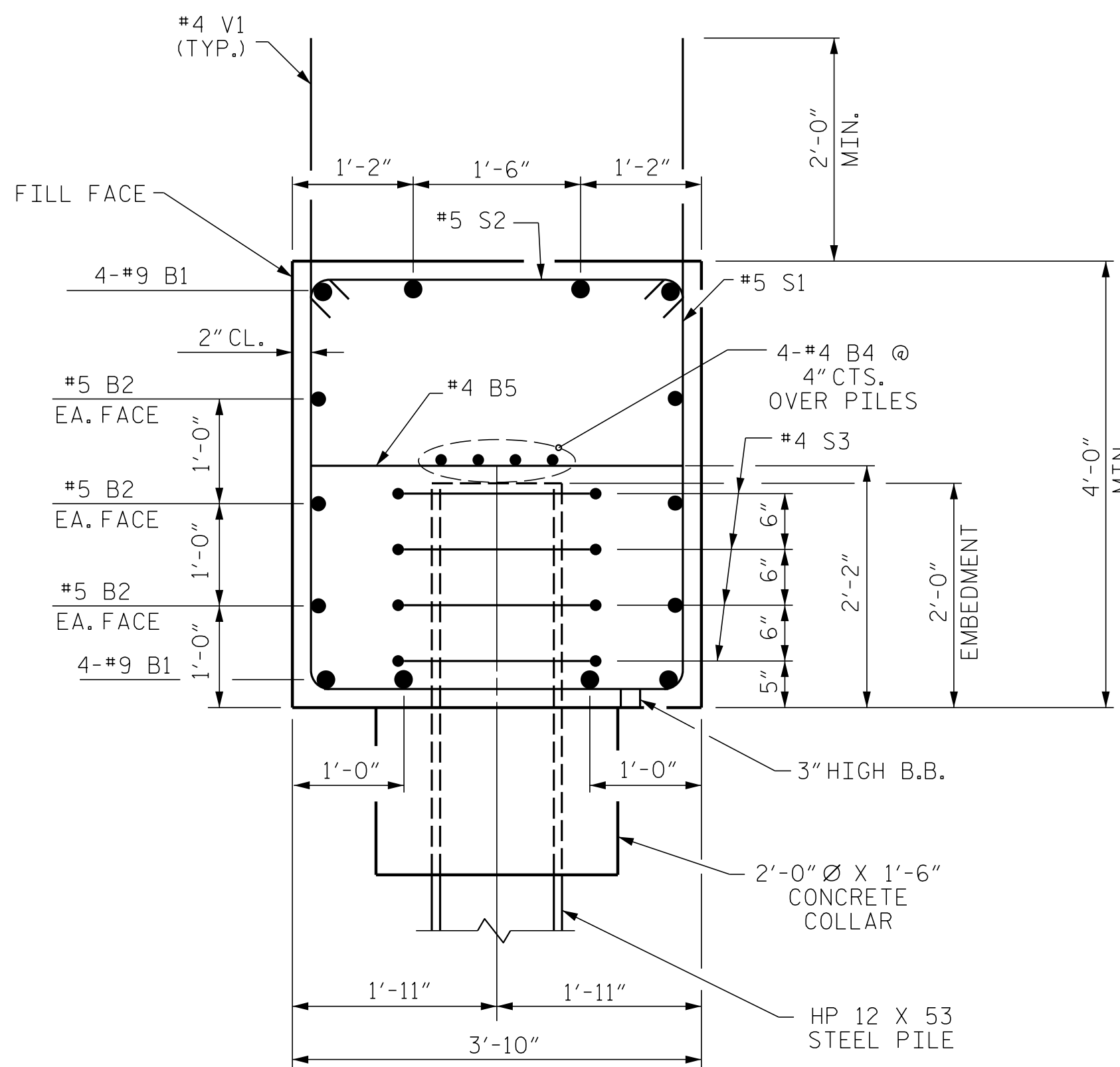
PILE SPLICE DETAILS



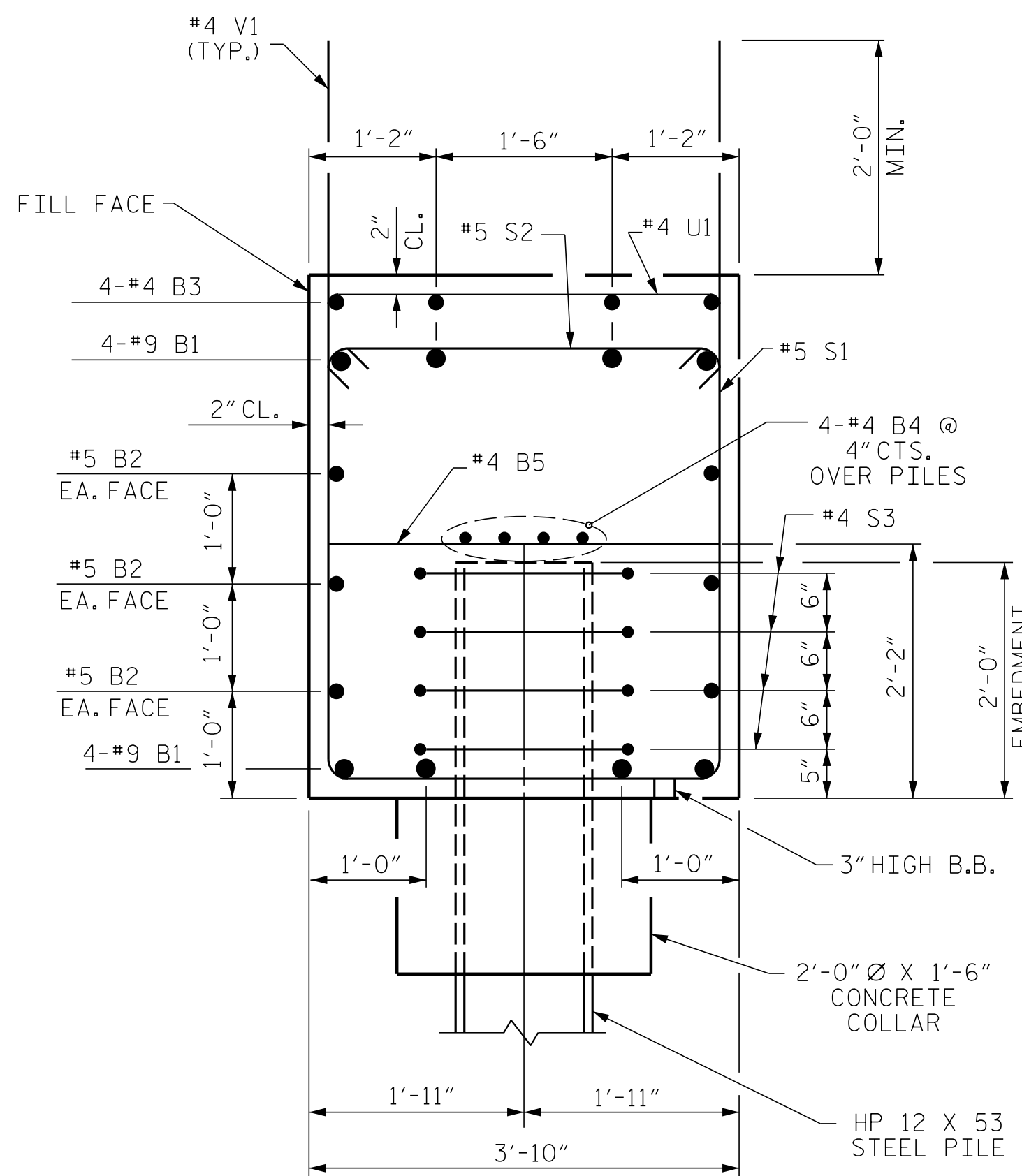
ALL BAR DIMENSIONS ARE OUT TO OUT.

BILL OF MATERIAL

END BENT No. 1					
BAR NO.	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	8	#9		49'-11"	1358
B2	6	#5	STR	47'-7"	298
B3	8	#4	STR	16'-11"	90
B4	8	#4	STR	25'-1"	134
B5	12	#4	STR	3'-6"	28
H1	14	#5	2	9'-11"	145
H2	14	#5	2	10'-2"	148
H3	14	#5	3	10'-6"	153
H4	14	#5	3	10'-3"	150
H5	32	#4	STR	3'-6"	75
S1	77	#5	4	11'-8"	937
S2	77	#5	5	4'-5"	355
S3	32	#4	6	6'-6"	139
U1	20	#4	7	6'-6"	87
V1	64	#4	STR	5'-9"	246
V2	28	#5	STR	9'-8"	282
V3	29	#5	STR	9'-4"	282
REINFORCING STEEL					4,907 LBS.
CLASS A CONCRETE BREAKDOWN					
POUR #1 CAP, CONC. COLLARS & LOWER PART OF WINGS					32.6 C.Y.
POUR #2 UPPER PART OF WINGS					5.4 C.Y.
TOTAL CLASS A CONCRETE					38.0 C.Y.
HP 12 X 53 STEEL PILES					
NO: 8					LIN. FT.= 496
PILE REDRIVES					4 EA.
PILE DRIVING EQUIPMENT SET UP FOR HP 12 X 53 STEEL PILES					8 EA.

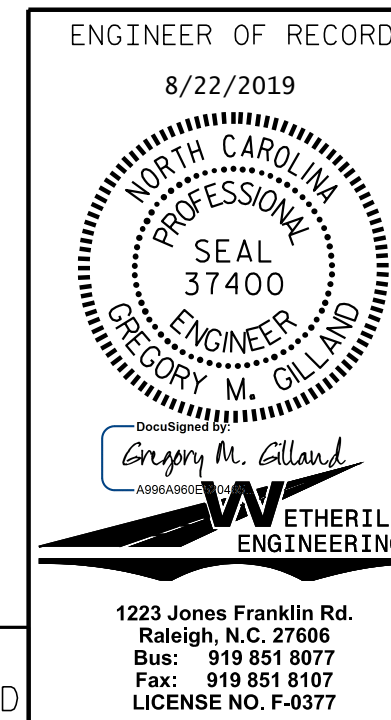


SECTION A-A



SECTION B-B

PROJECT NO. R-5797
COLUMBUS COUNTY
 STATION: 30+65.33 -Y1B-
 SHEET 3 OF 3



STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH					
SUBSTRUCTURE END BENT No. 1					
REVISIONS					
NO.	BY:	DATE:	NO.	BY:	DATE:
1			3		
2			4		

DRAWN BY: D. HODGE DATE: 2/19
 CHECKED BY: B.C. HUNT DATE: 2/19

DOCUMENT NOT CONSIDERED FINAL
 UNLESS ALL SIGNATURES COMPLETED

1223 Jones Franklin Rd.
 Raleigh, N.C. 27606
 Bus: 919 851 8077
 Fax: 919 851 8107
 LICENSE NO. F-0377

SHEET NO.
 S-24
 TOTAL SHEETS
 33

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