

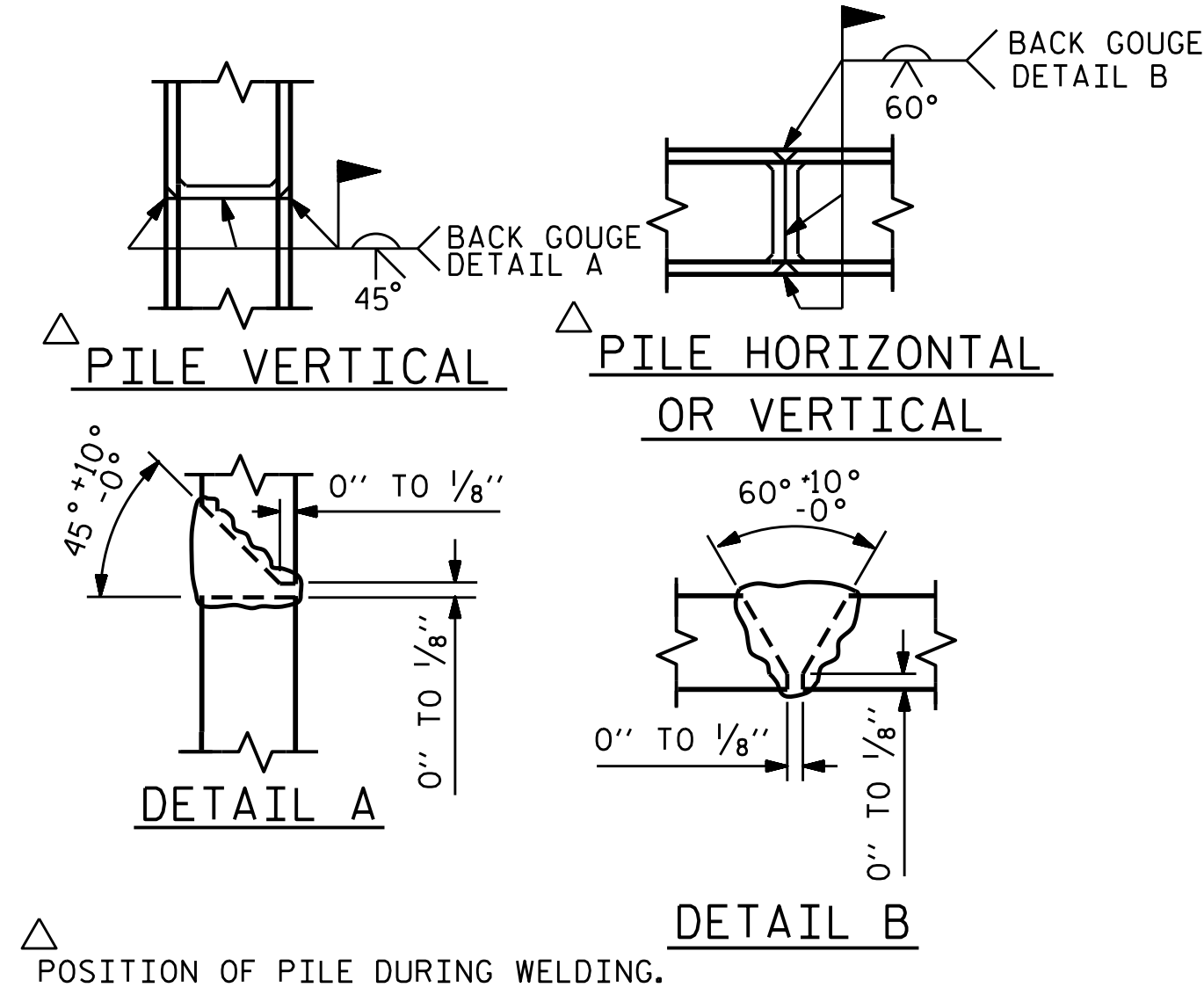
MINIMUM OF 3- ONE CUBIC FOOT BAGS OF #78M STONE. BAGS SHALL BE OF POROUS FABRIC, SECURELY TIED.

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.

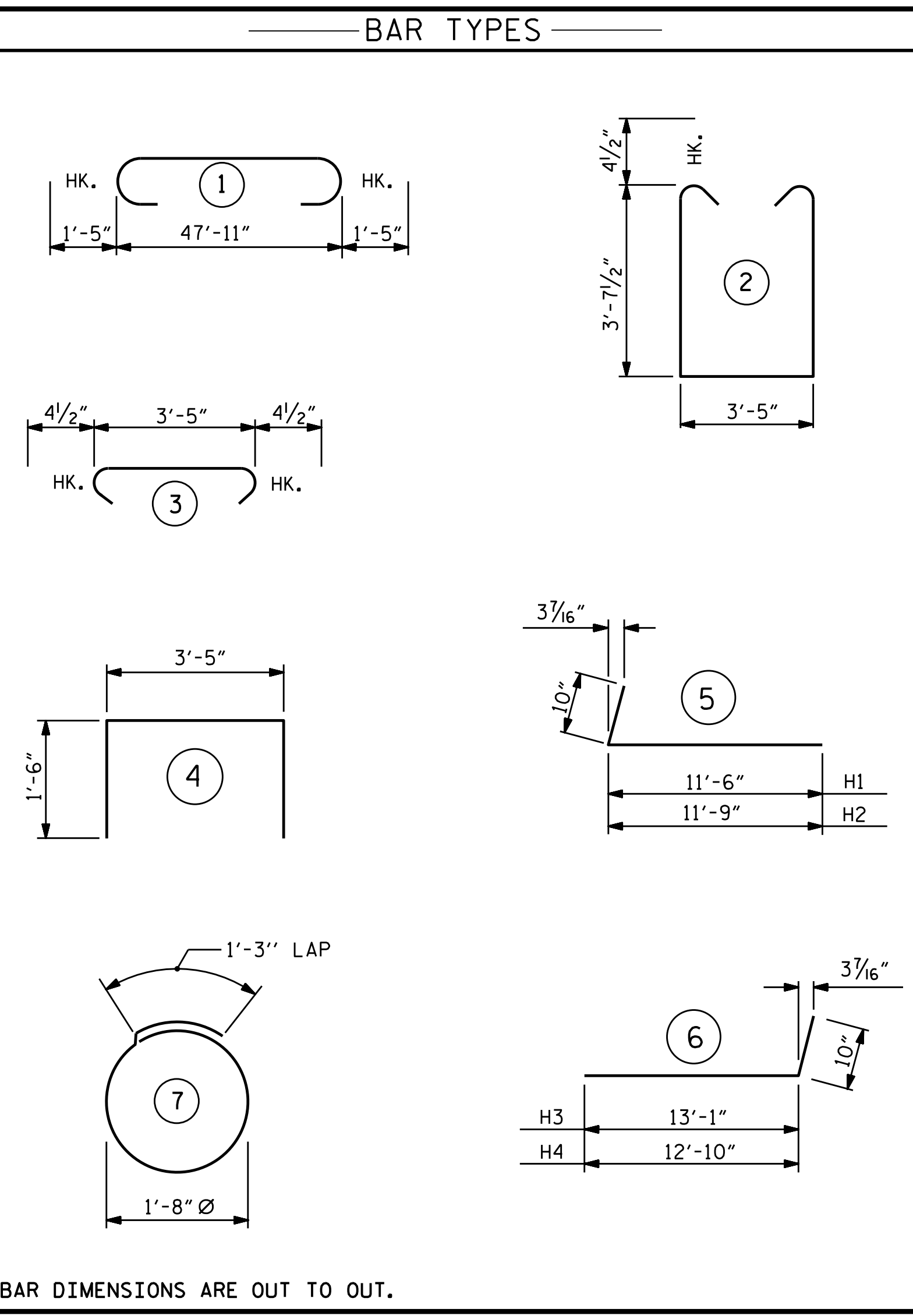
BAGGED STONE SHALL REMAIN IN PLACE UNTIL THE ENGINEER DIRECTS THAT IT BE REMOVED. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF SILT ACCUMULATIONS AT BAGGED STONE WHEN SO DIRECTED BY THE ENGINEER. BAGS SHALL BE REMOVED AND REPLACED WHENEVER THE ENGINEER DETERMINES THAT THEY HAVE DETERIORATED AND LOST THEIR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

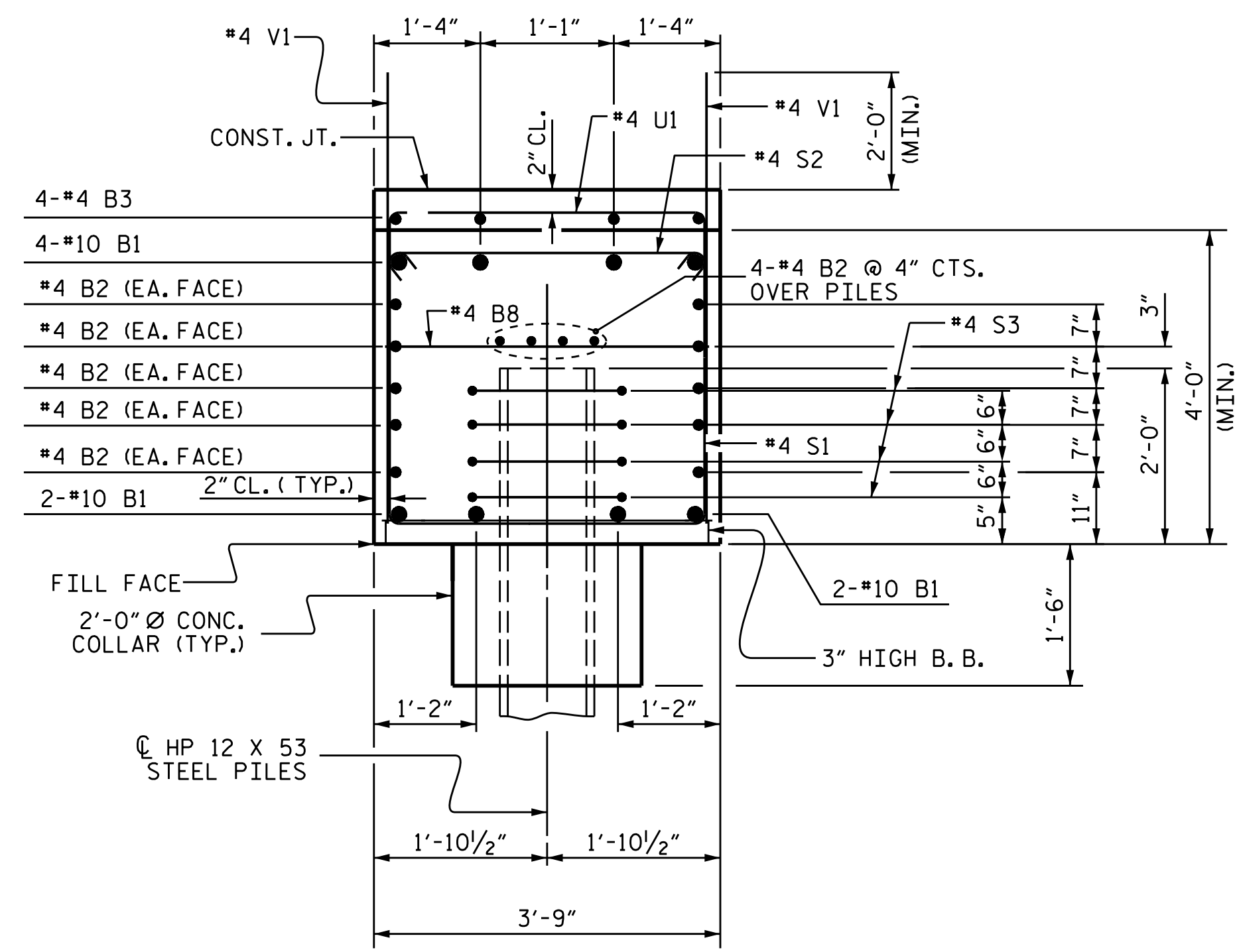
TEMPORARY DRAINAGE AT END BENT



PILE SPLICE DETAILS



ALL BAR DIMENSIONS ARE OUT TO OUT.

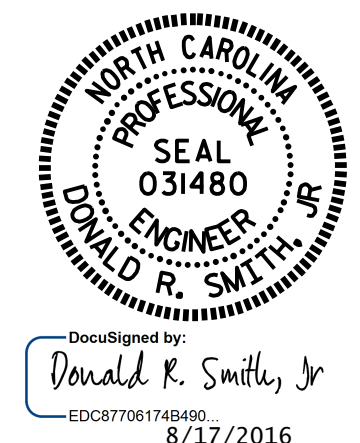


SECTION A-A

BILL OF MATERIAL					
END BENT 1					
BAR NO.	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	8	10	1	50'-9"	1747
B2	28	4	STR	25'-3"	472
B3	4	4	STR	11'-7"	31
B4	1	4	STR	8'-3"	6
B5	1	4	STR	7'-10"	5
B6	1	4	STR	7'-5"	5
B7	1	4	STR	7'-1"	5
B8	12	4	STR	3'-5"	27
H1	19	5	5	12'-4"	244
H2	19	5	5	12'-7"	249
H3	20	5	6	13'-11"	290
H4	20	5	6	13'-8"	285
K1	24	4	STR	2'-10"	45
S1	55	4	2	11'-5"	419
S2	55	4	3	4'-2"	153
S3	24	4	7	6'-6"	104
U1	13	4	4	6'-5"	56
V1	80	4	STR	6'-3"	334
V2	32	4	STR	9'-1"	194
V3	40	4	STR	9'-4"	249
REINFORCING STEEL					4,920 LBS.
CLASS A CONCRETE BREAKDOWN					
POUR #1	CAP, LOWER PART OF WINGS & COLLARS			33.1 C.Y.	
POUR #2	UPPER PART OF WINGS			5.9 C.Y.	
TOTAL CLASS A CONCRETE				39.0 C.Y.	
HP 12 X 53 STEEL PILES					
No.	6		120	LIN. FT.	

PROJECT NO. U-3440
CABARRUS COUNTY
 STATION: 68+25.60 -L-

SHEET 3 OF 3



STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
 SUBSTRUCTURE
 END BENT 1
 (LEFT LANE)

DRAWN BY : J.D. HAWK DATE : 4/2016
 CHECKED BY : K.D. LAYNE DATE : 4/2016
 DESIGN ENGINEER OF RECORD: T.R. PETERSON DATE : 6/2016

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

REVISIONS						SHEET NO.	
NO.	BY:	DATE:	NO.	BY:	DATE:	S1-27	
1			3			TOTAL SHEETS	37
2			4				