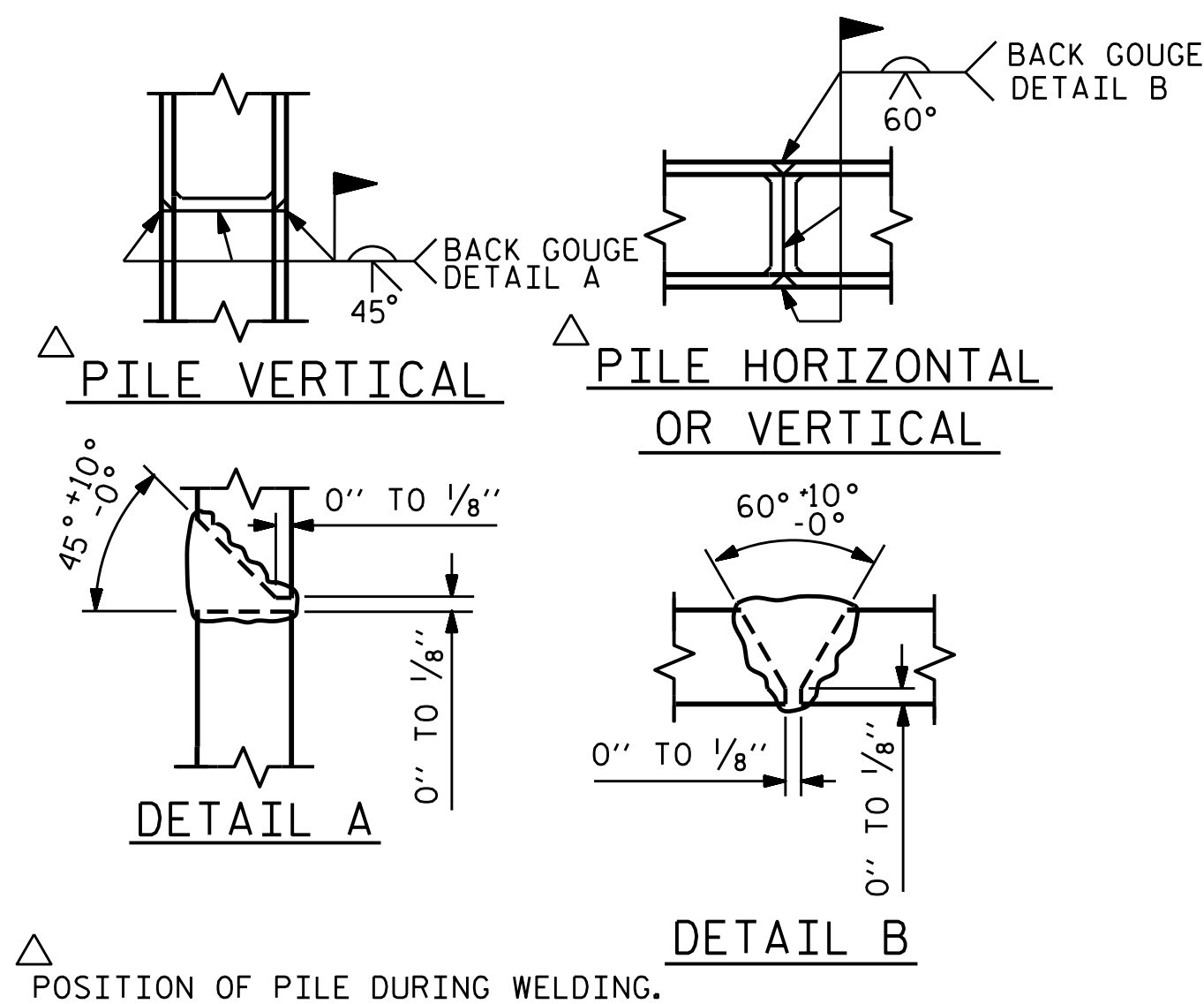
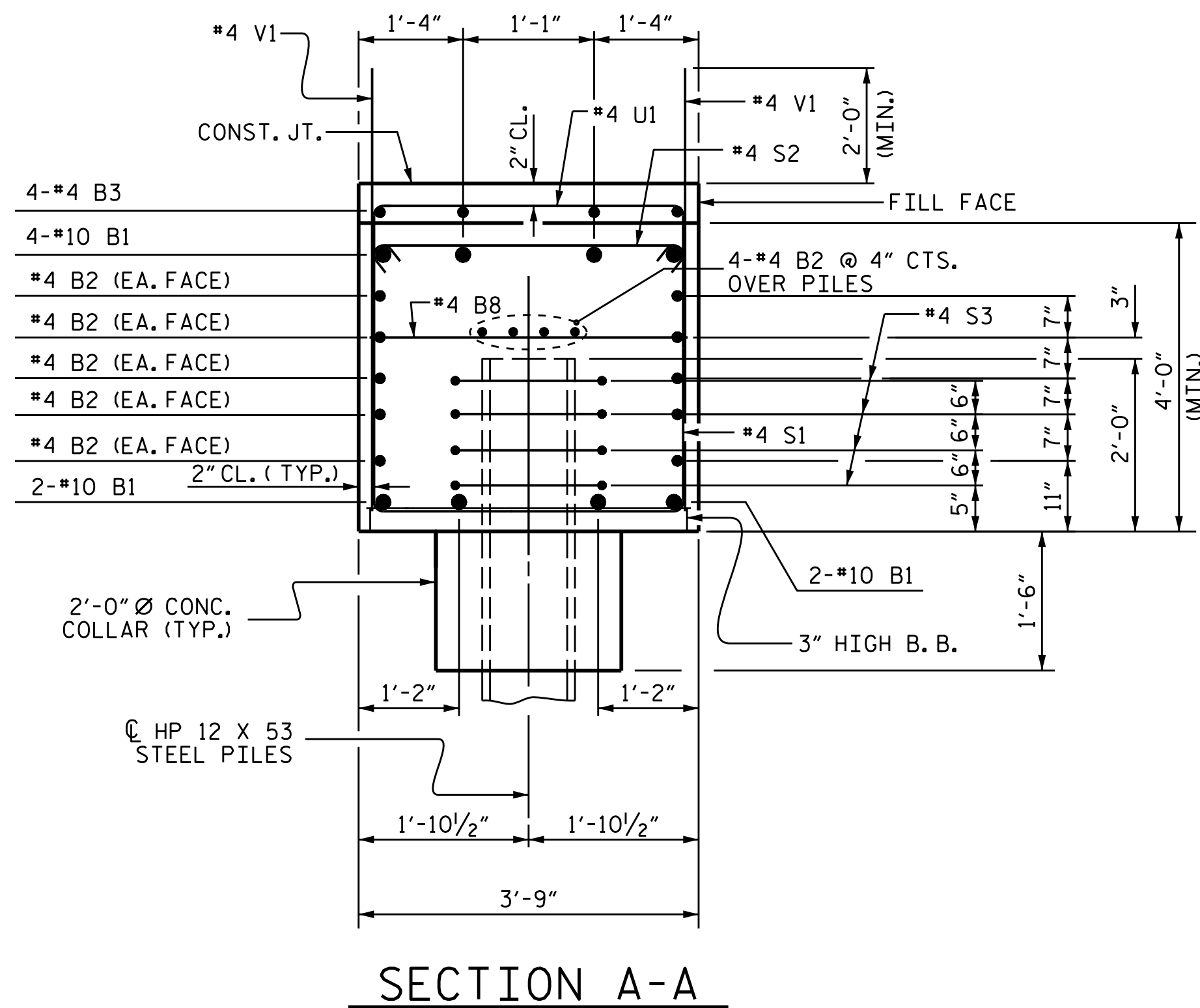


BAGGED STONE AND PIPE SHALL BE PLACED IMMEDIATELY AFTER COMPLETION OF END BENT EXCAVATION. PIPE MAY BE EITHER CONCRETE, CORRUGATED STEEL, CORRUGATED ALUMINUM ALLOY, OR CORRUGATED PLASTIC. PERFORATED PIPE WILL NOT BE ALLOWED.

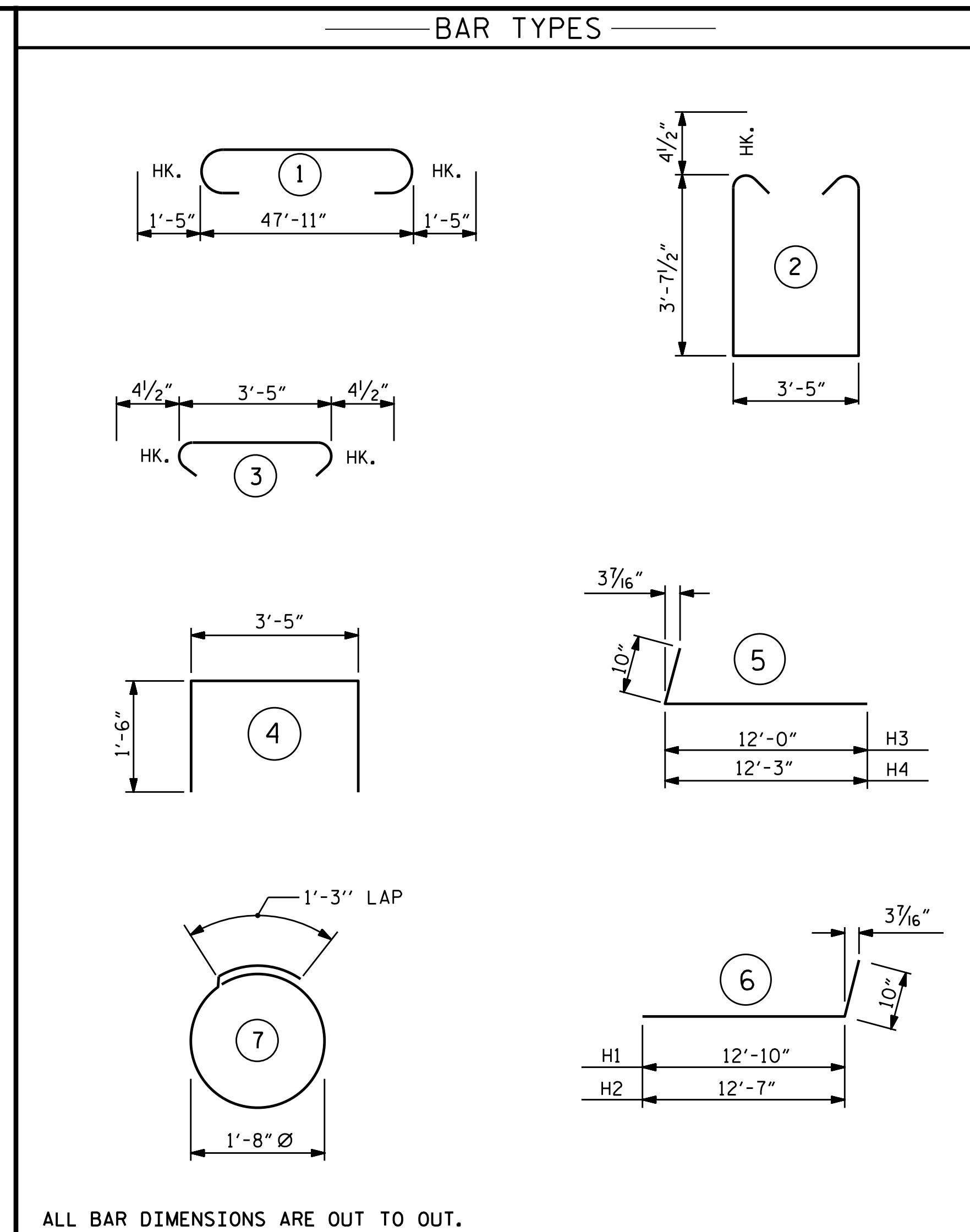
BAGGED STONE SHALL REMAIN IN PLACE UNTIL THE ENGINEER DIRECTS THAT IT BE REMOVED. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF SILT ACCUMULATIONS AT BAGGED STONE WHEN SO DIRECTED BY THE ENGINEER. BAGS SHALL BE REMOVED AND REPLACED WHENEVER THE ENGINEER DETERMINES THAT THEY HAVE DETERIORATED AND LOST THEIR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



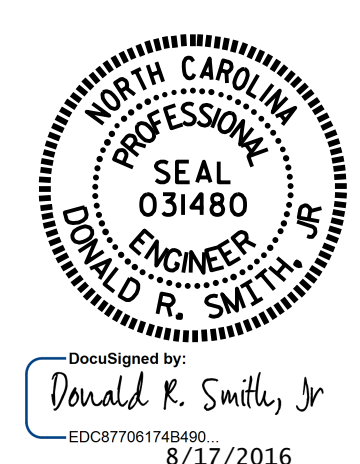
### BILL OF MATERIAL

END BENT 2					
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'-0"	5
B8	12	4	STR	3'-5"	27
H1	19	5	6	13'-8"	271
H2	19	5	6	13'-5"	266
H3	20	5	5	12'-10"	268
H4	20	5	5	13'-1"	273
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'-6"	347
V2	34	4	STR	9'-1"	206
V3	34	4	STR	9'-6"	216

REINFORCING STEEL	4,922 LBS.
CLASS A CONCRETE BREAKDOWN	
POUR #1	CAP, LOWER PART OF WINGS & COLLARS 33.6 C.Y.
POUR #2	UPPER PART OF WINGS 6.0 C.Y.
TOTAL CLASS A CONCRETE	39.6 C.Y.
HP 12 X 53 STEEL PILES	
No. 6	240 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 2  
 (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:	S1-34	
1			3			TOTAL SHEETS 37	
2			4				