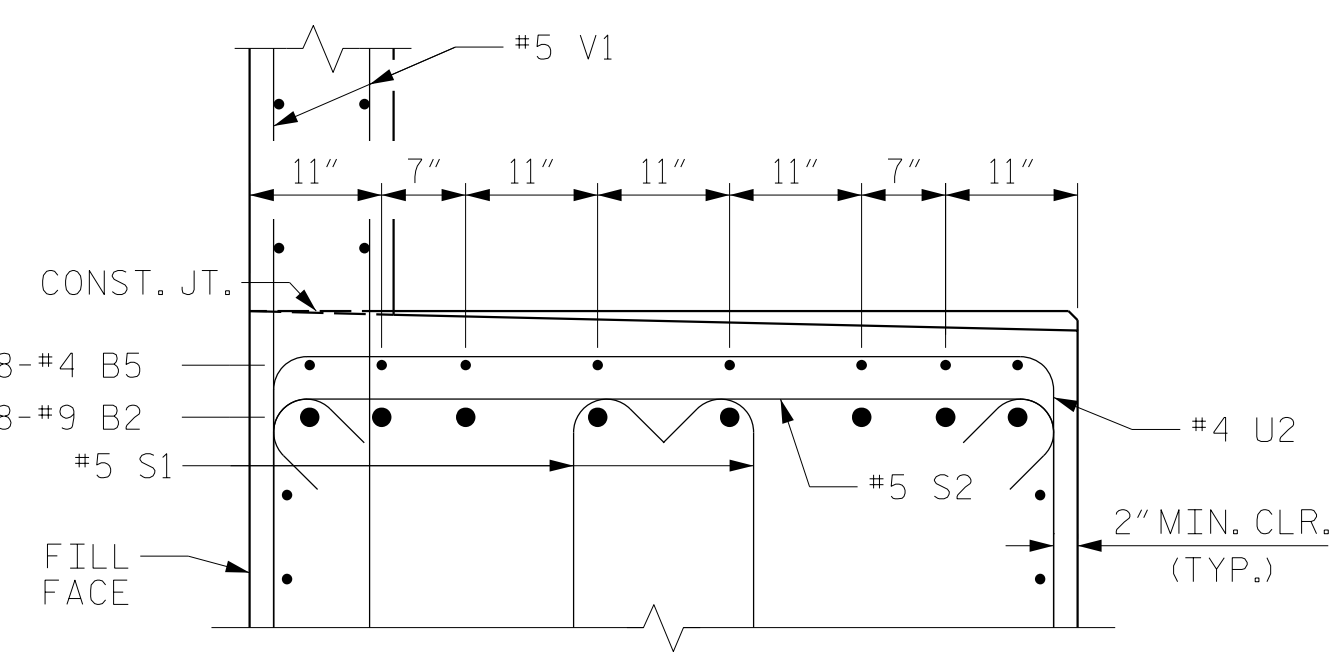


BAGGED STONE AND PIPE SHALL BE PLACED IMMEDIATELY AFTER COMPLETION OF END BENT EXCAVATION. PIPE MAY BE EITHER CONCRETE, CORRUGATED STEEL, CORRUGATED ALUMINUM ALLOY, OR CORRUGATED PLASTIC. PERFORATED PIPE WILL NOT BE ALLOWED.

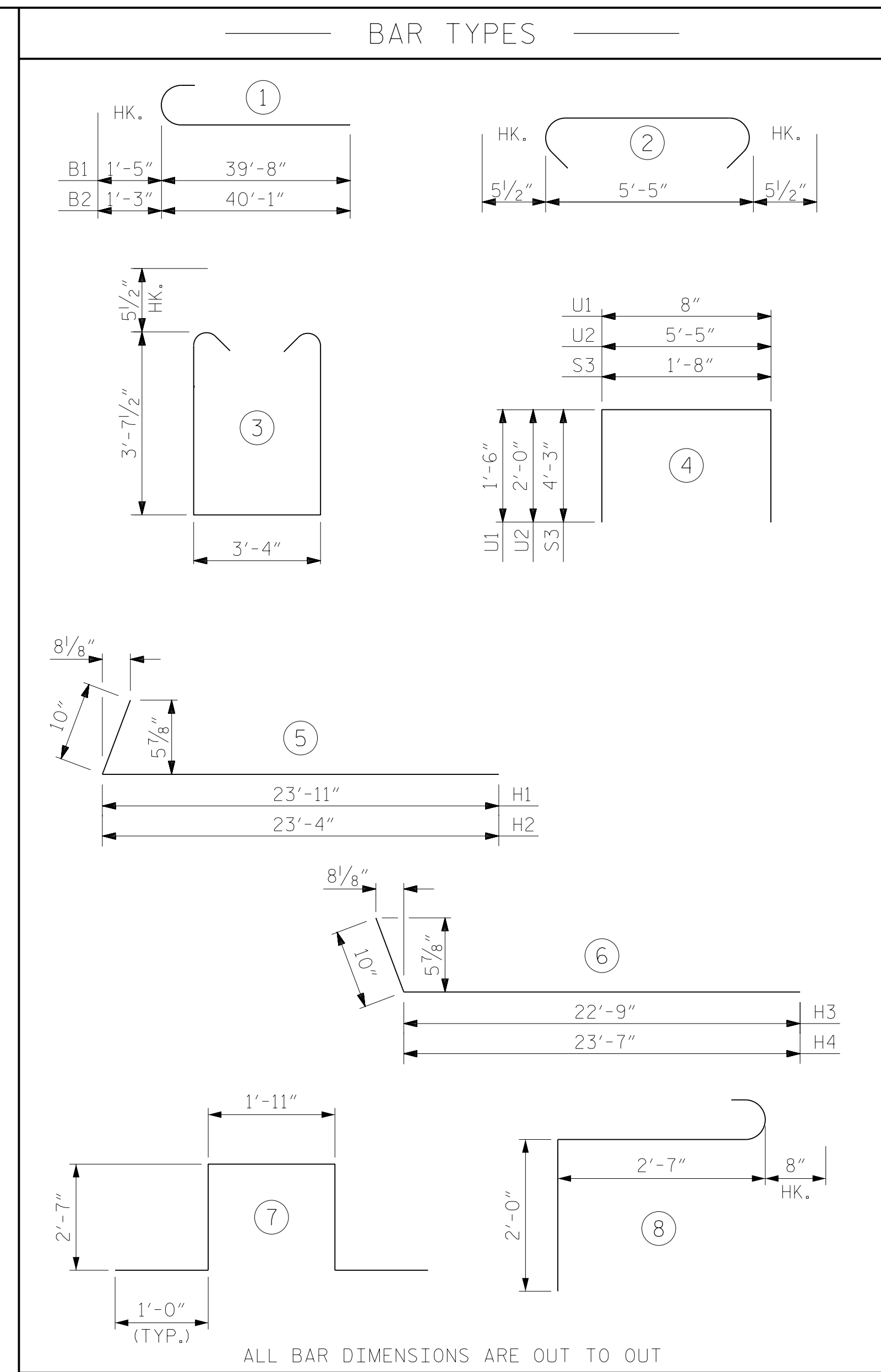
BAGGED STONE SHALL REMAIN IN PLACE UNTIL THE ENGINEER DIRECTS THAT IT BE REMOVED. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF SILT ACCUMULATIONS AT BAGGED STONE WHEN SO DIRECTED BY THE ENGINEER. BAGS SHALL BE REMOVED AND REPLACED WHENEVER THE ENGINEER DETERMINES THAT THEY HAVE DETERIORATED AND LOST THEIR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

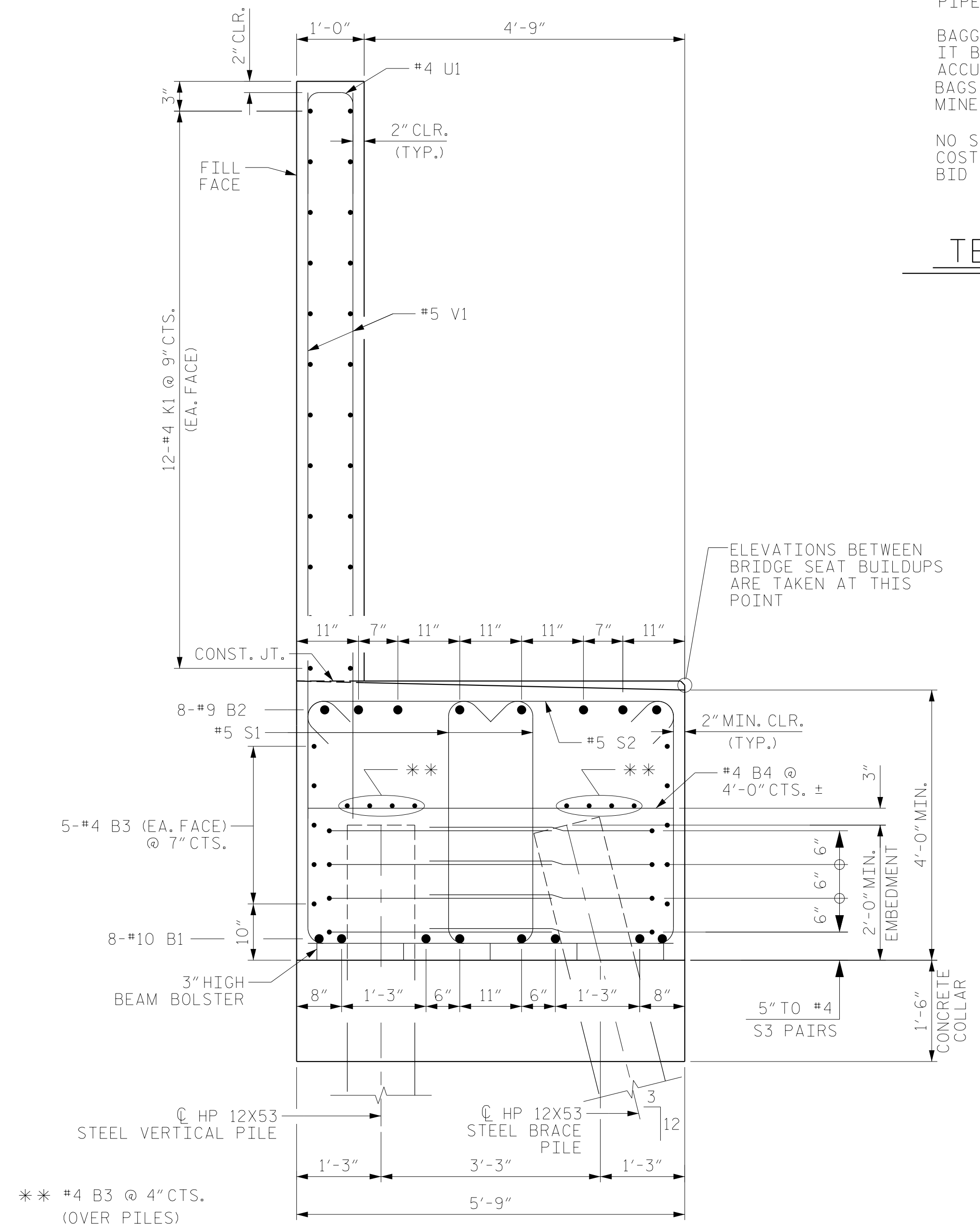


PARTIAL SECTION B-B

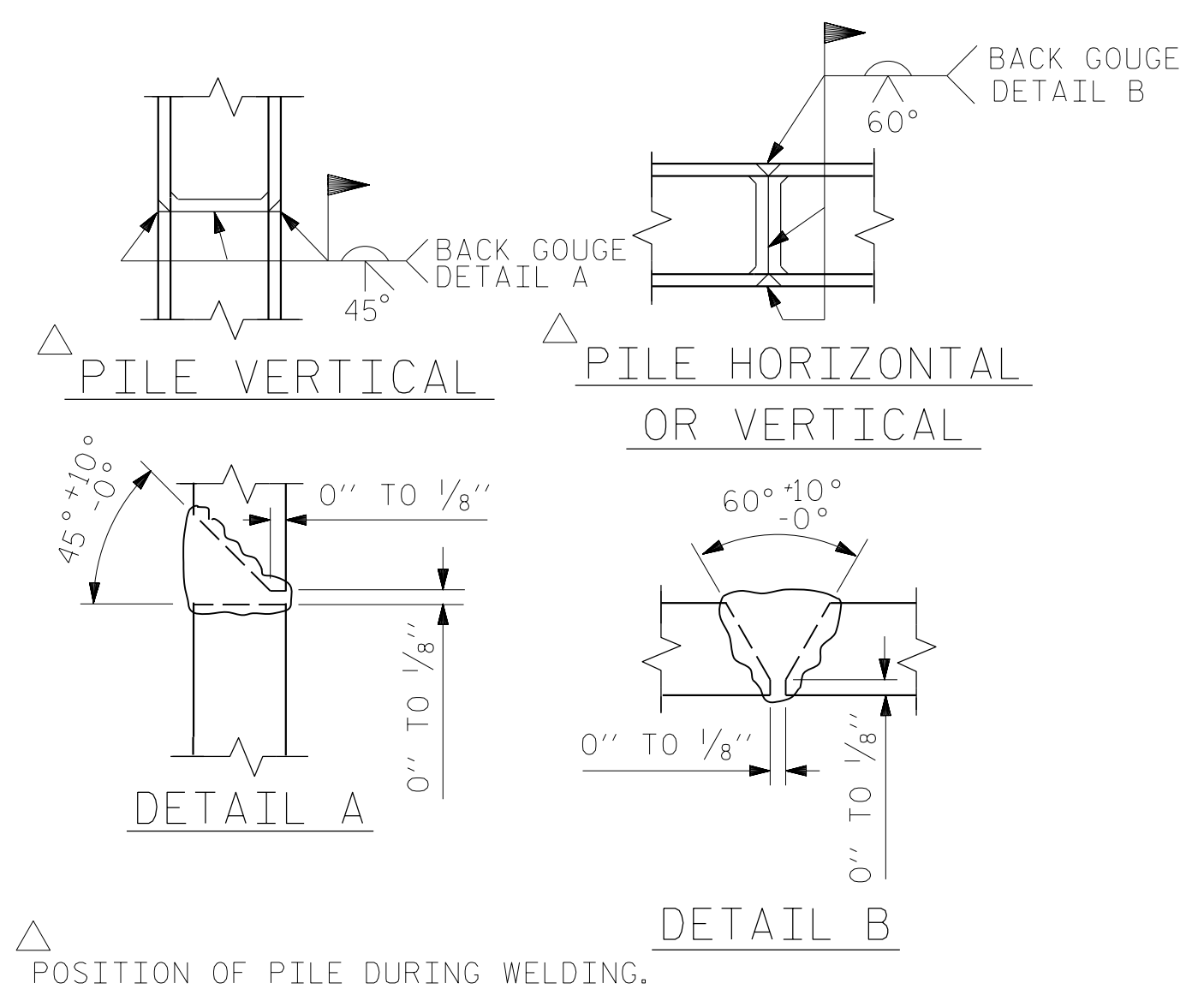


BILL OF MATERIAL					
END BENT NO. 1					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	16	#10	1	41'-1"	2829
B2	16	#9	1	41'-4"	2249
B3	36	#4	STR	38'-7"	928
B4	17	#4	STR	5'-5"	62
B5	8	#4	STR	21'-2"	113
H1	20	#5	5	24'-9"	516
H2	20	#5	5	24'-2"	504
H3	21	#5	6	23'-7"	517
H4	21	#5	6	24'-5"	535
K1	48	#4	STR	38'-7"	1237
K2	6	#4	STR	4'-2"	17
K3	8	#4	STR	4'-5"	24
S1	144	#5	3	11'-6"	1727
S2	72	#5	2	6'-4"	476
S3	72	#4	4	10'-2"	489
S4	6	#6	7	9'-1"	82
S5	6	#6	8	5'-3"	47
U1	86	#4	4	3'-8"	211
U2	15	#4	4	9'-5"	94
V1	172	#5	STR	12'-3"	2198
V2	56	#5	STR	14'-2"	827
V3	57	#5	STR	14'-9"	877

REINFORCING STEEL	16,559 LBS.
CLASS A CONCRETE	
POUR #1 CAP, COLLARS AND LOWER PART OF WINGS	78.0 C.Y.
POUR #2 UPPER PART OF WINGS AND BACKWALL	43.4 C.Y.
TOTAL CLASS A CONCRETE	121.4 C.Y.
HP 12 X 53 STEEL PILES NO. 20	900.0 LIN. FT.
PILE DRIVING EQUIPMENT SETUP NO. 20	



SECTION A-A



PILE SPLICE DETAILS

PROJECT NO. U-2579AB
FORSYTH COUNTY
 STATION: 23+43.03 -Y16-

SHEET 5 OF 5



STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
 SUBSTRUCTURE
 END BENT 1
 DETAILS

DRAWN BY : NSC DATE : .09/2019
 CHECKED BY : MAL DATE : .12/2019
 DESIGN ENGINEER OF RECORD: JMR DATE : .12/2019

DOCUMENT NOT CONSIDERED
 FINAL UNLESS ALL
 SIGNATURES COMPLETED

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 www.rsandh.com
 North Carolina License Nos. 50737-50403-C&E

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S7-37
1			3			TOTAL SHEETS
2			4			48