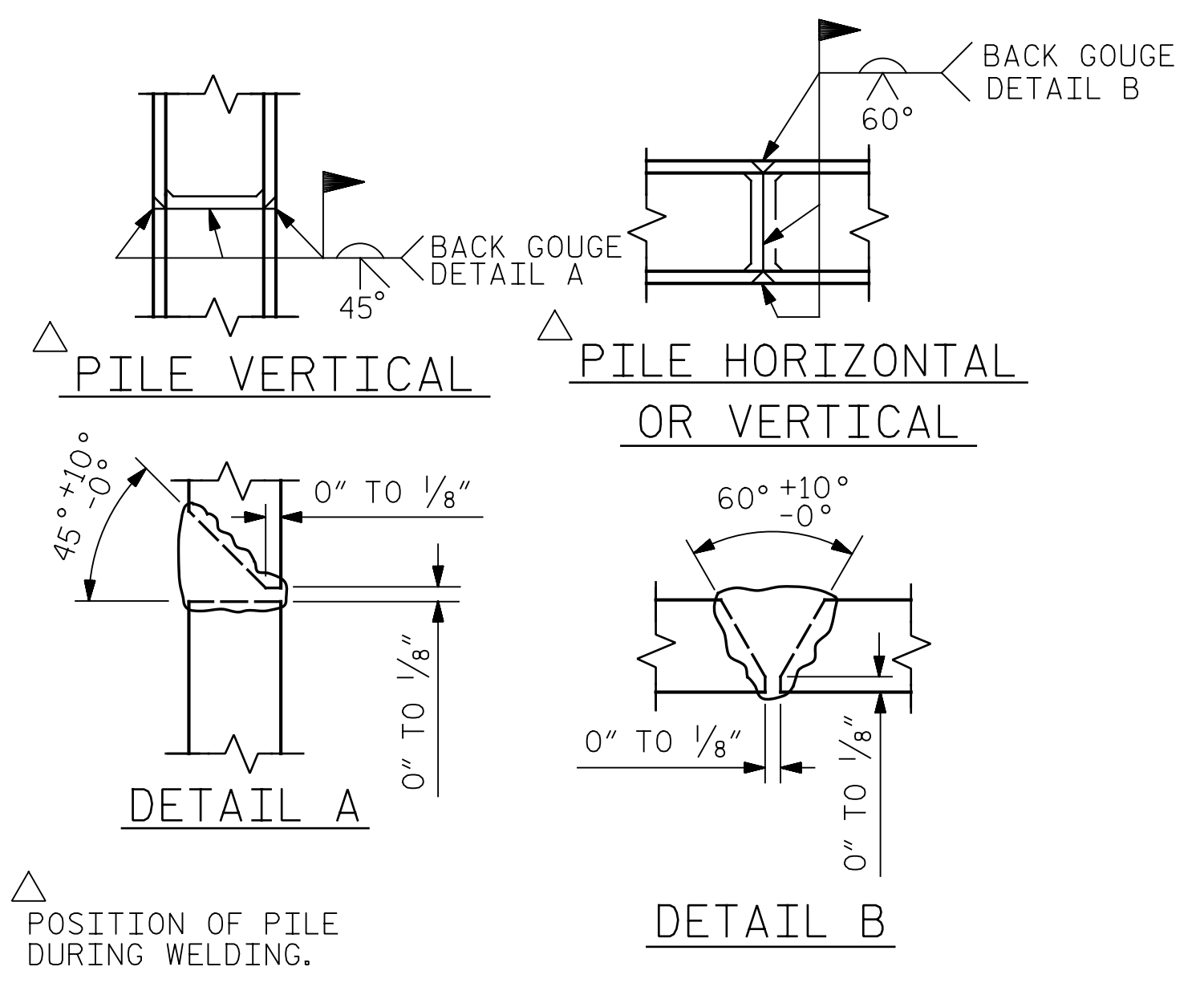


BAGGED STONE AND PIPE SHALL BE PLACED IMMEDIATELY AFTER COMPLETION OF END BENT EXCAVATION. PIPE MAY BE EITHER CONCRETE, CORRUGATED STEEL, CORRUGATED ALUMINUM ALLOY, OR CORRUGATED PLASTIC. PERFORATED PIPE WILL NOT BE ALLOWED.

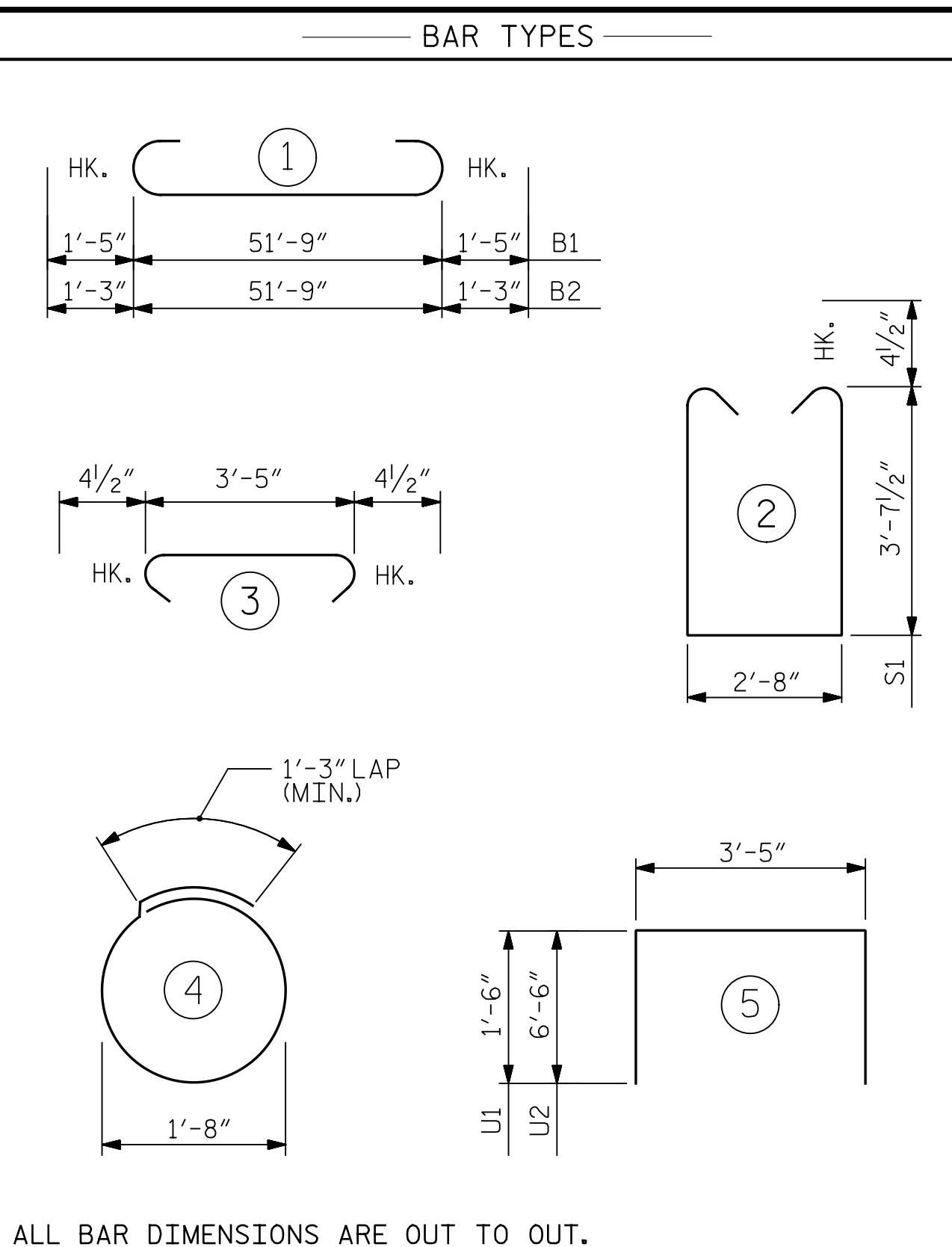
BAGGED STONE SHALL REMAIN IN PLACE UNTIL THE ENGINEER DIRECTS THAT IT BE REMOVED. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF SILT ACCUMULATIONS AT BAGGED STONE WHEN SO DIRECTED BY THE ENGINEER. BAGS SHALL BE REMOVED AND REPLACED WHENEVER THE ENGINEER DETERMINES THAT THEY HAVE DETERIORATED AND LOST THEIR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

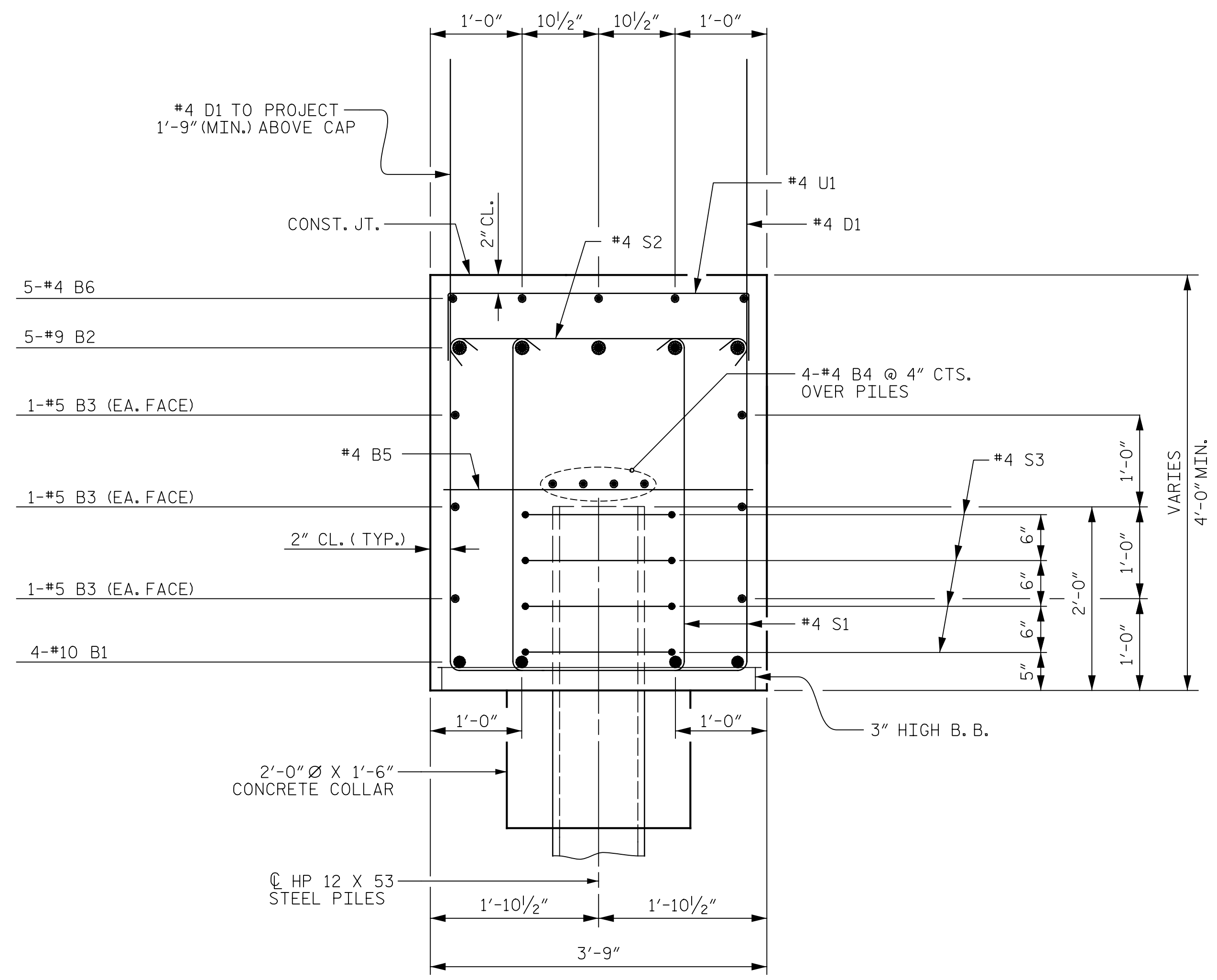


PILE SPLICE DETAILS



ALL BAR DIMENSIONS ARE OUT TO OUT.

BILL OF MATERIAL					
END BENT #1					
BAR	No.	SIZE	TYPE	LENGTH	WEIGHT
B1	4	#10	1	54'-7"	940
B2	5	#9	1	54'-3"	922
B3	6	#5	STR	51'-9"	324
B4	8	#4	STR	27'-1"	145
B5	13	#4	STR	3'-5"	30
B6	5	#4	STR	19'-0"	63
B7	1	#4	STR	7'-7"	5
B8	1	#4	STR	7'-9"	5
B9	1	#4	STR	7'-11"	5
B10	1	#4	STR	8'-0"	5
B11	1	#4	STR	8'-2"	5
D1	84	#4	STR	6'-5"	360
H1	21	#5	STR	15'-3"	334
H2	21	#5	STR	15'-2"	332
H3	23	#5	STR	15'-0"	360
H4	23	#5	STR	15'-1"	362
K6	12	#4	STR	2'-8"	21
S1	108	#4	2	10'-8"	770
S2	54	#4	3	4'-2"	150
S3	44	#4	4	6'-6"	191
U1	13	#4	5	6'-5"	56
U2	6	#4	5	16'-5"	66
V1	28	#5	STR	10'-5"	304
V2	28	#5	STR	11'-3"	329



SECTION A-A

REINFORCING STEEL	6,084 LBS.
CLASS A CONCRETE	
POUR #1 (CAP, LOWER WINGS & COLLARS)	36.9 C.Y.
POUR #2 (UPPER WINGS)	11.8 C.Y.
TOTAL	48.7 C.Y.
HP 12 X 53 STEEL PILES	
No. = 11	580 LIN. FT.
PILE DRIVING EQUIPMENT SETUP FOR HP 12 X 53 STEEL PILES	11 EACH

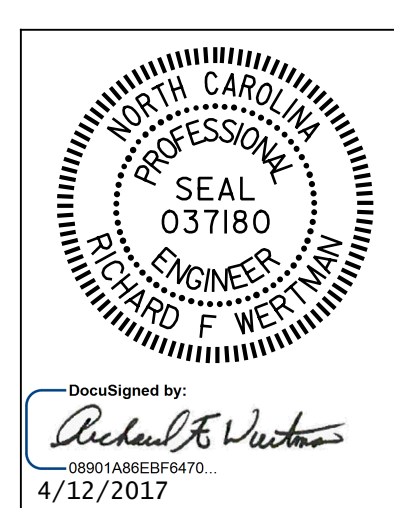
PROJECT NO. B-4447

BURKE COUNTY

STATION: 25+85.40 -L-

15+67.23 -Y-

SHEET 4 OF 4



STATE OF NORTH CAROLINA

DEPARTMENT OF TRANSPORTATION

RALEIGH

SUBSTRUCTURE

INTEGRAL

END BENT #1

WESTBOUND LANE

DRAWN BY : T.J. KIRSCHBAUM	DATE : 2/2/16
CHECKED BY : R.F. WERTMAN	DATE : 4/6/16
DESIGN ENGINEER OF RECORD : R.F. WERTMAN	DATE : 4/6/16

PLANS PREPARED BY:

Gannett Fleming

2610 Wycliff Road

Suite 102

Raleigh, NC 27607-3073

(919) 420-7660

NC Lic. No. F-0270

Excellence Delivered As Promised

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

REVISIONS					
NO.	BY:	DATE:	NO.	BY:	DATE:
1			3		
2			4		

SHEET NO. S01-20

TOTAL SHEETS 28