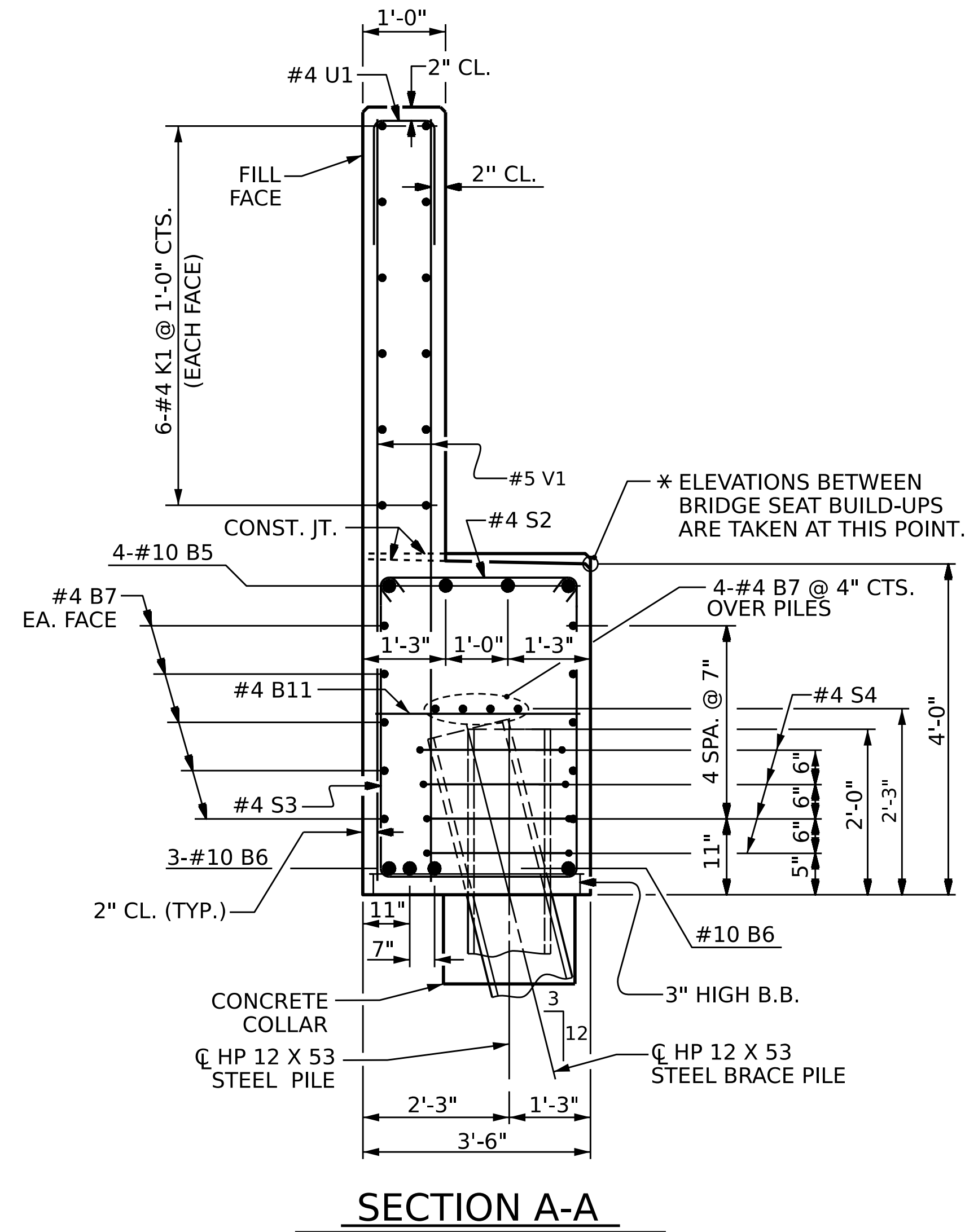


BAGGED STONE AND PIPE SHALL BE PLACED IMMEDIATELY AFTER COMPLETION OF END BENT EXCAVATION. PIPE MAY BE EITHER CONCRETE, CORRUGATED STEEL, CORRUGATED ALUMINUM ALLOY, OR CORRUGATED PLASTIC. PERFORATED PIPE WILL NOT BE ALLOWED.

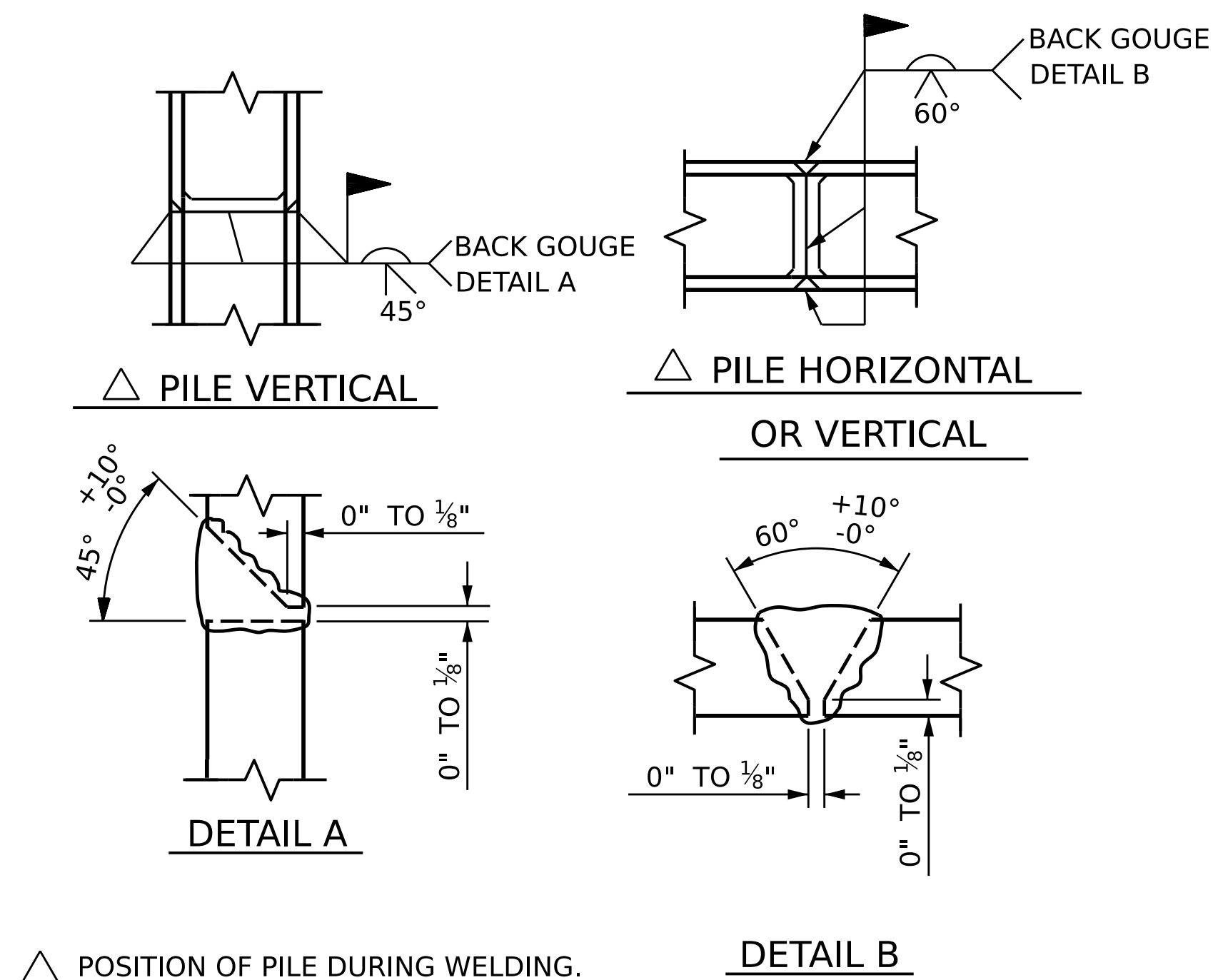
BAGGED STONE SHALL REMAIN IN PLACE UNTIL THE ENGINEER DIRECTS THAT IT BE REMOVED. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF SILT ACCUMULATIONS AT BAGGED STONE WHEN SO DIRECTED BY THE ENGINEER. BAGS SHALL BE REMOVED AND REPLACED WHENEVER THE ENGINEER DETERMINES THAT THEY HAVE DETERIORATED AND LOST THEIR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

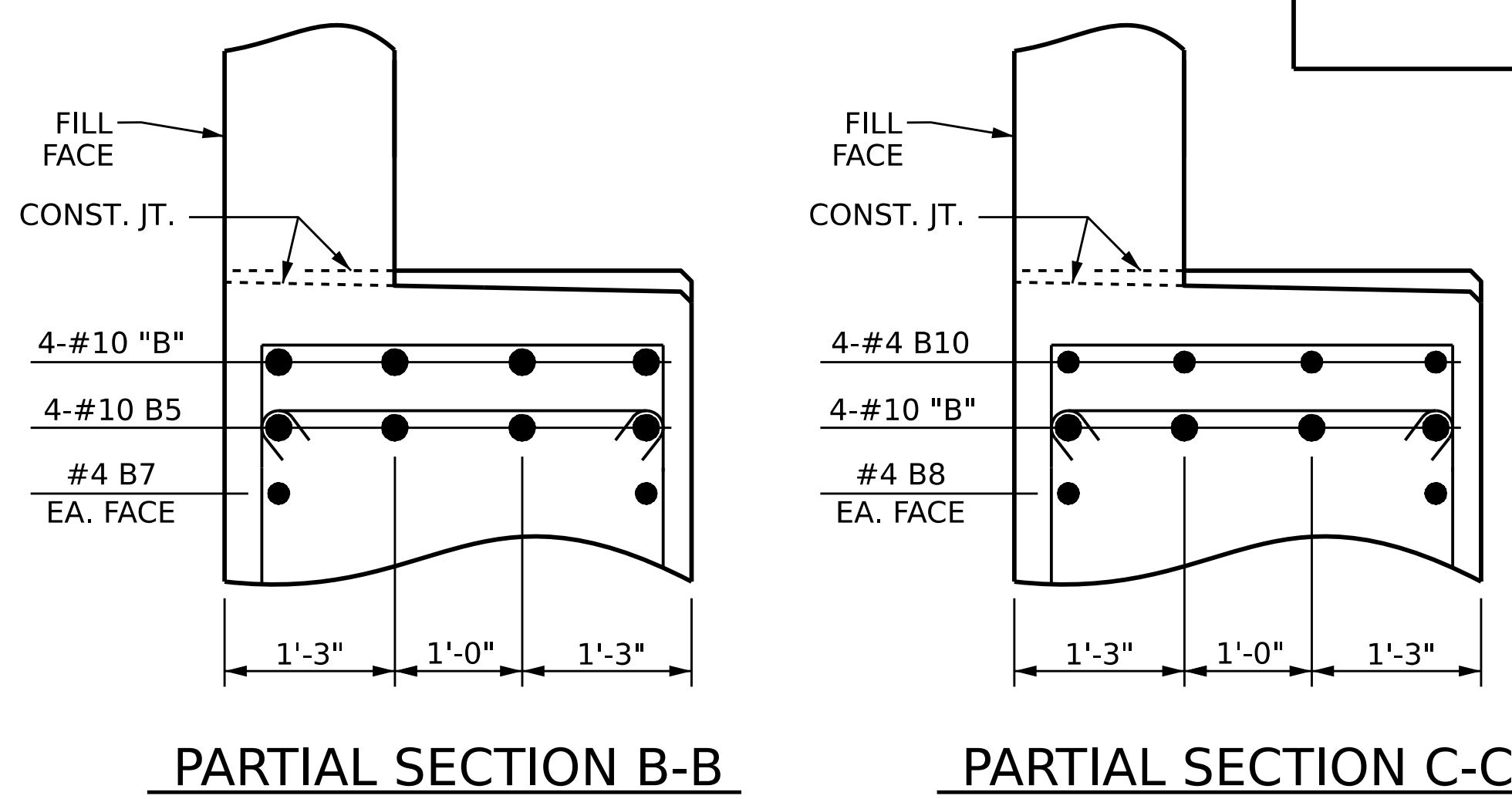
### TEMPORARY DRAINAGE AT END BENT



SECTION A-A

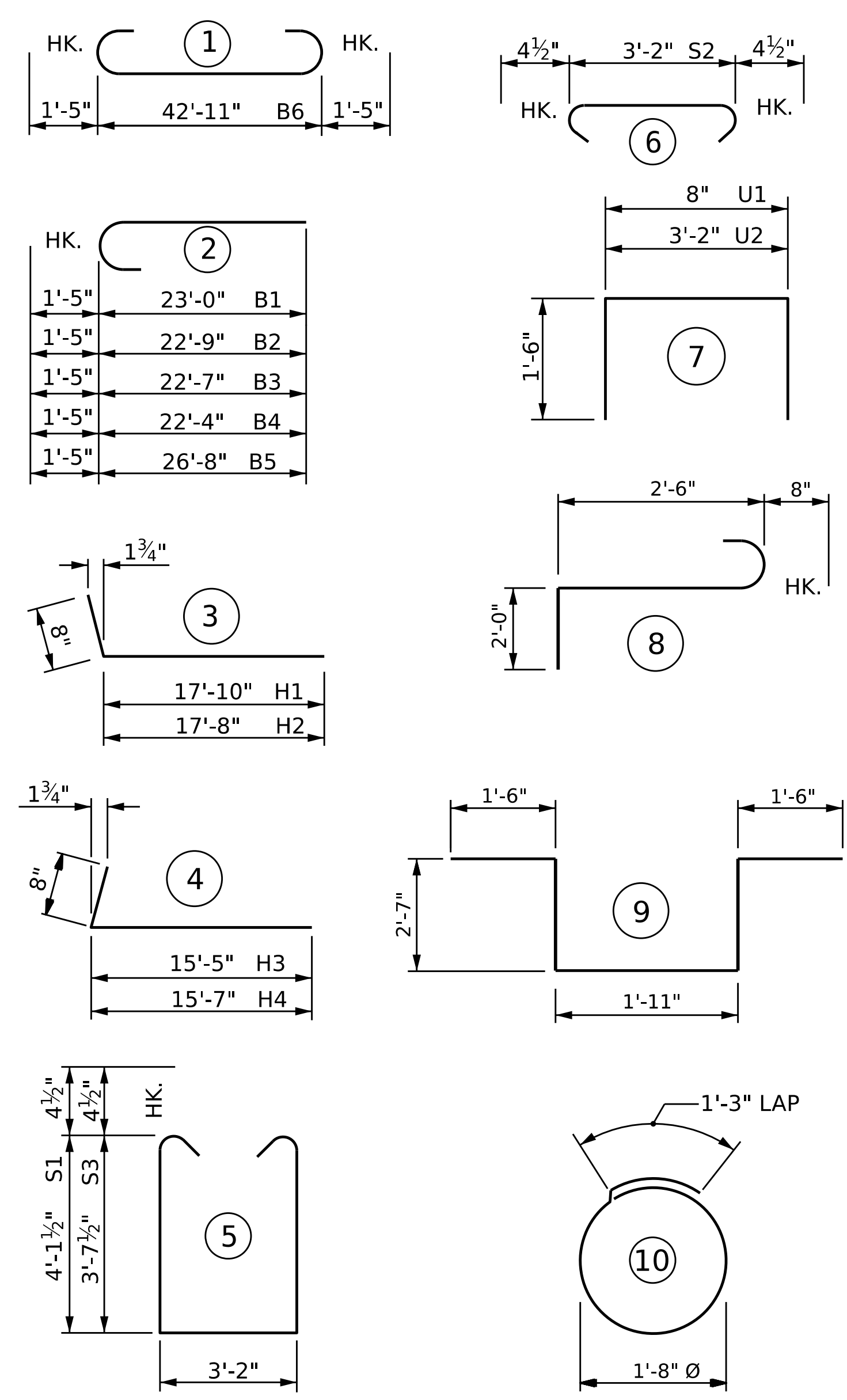


△ POSITION OF PILE DURING WELDING. PILE SPLICE DETAILS



PARTIAL SECTION B-B PARTIAL SECTION C-C

### BAR TYPES



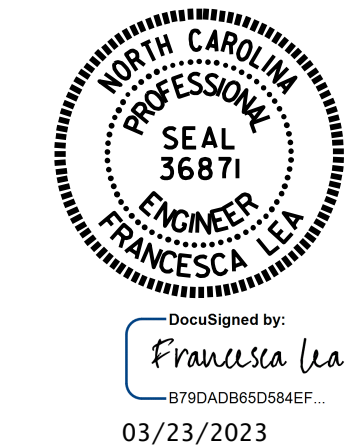
ALL BAR DIMENSIONS ARE OUT TO OUT

### BILL OF MATERIAL

END BENT 2					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	1	#10	2	24'-5"	105
B2	1	#10	2	24'-2"	104
B3	1	#10	2	24'-0"	103
B4	1	#10	2	23'-9"	102
B5	4	#10	2	28'-1"	483
B6	4	#10	1	45'-9"	787
B7	28	#4	STR	22'-9"	426
B8	2	#4	STR	18'-9"	25
B9	4	#4	STR	7'-5"	20
B10	8	#4	STR	7'-1"	38
B11	11	#4	STR	3'-2"	23
H1	14	#4	3	18'-5"	173
H2	14	#4	3	18'-10"	171
H3	13	#4	4	16'-1"	140
H4	13	#4	4	16'-3"	141
K1	24	#4	STR	22'-9"	365
K2	8	#4	STR	3'-7"	19
S1	22	#5	5	12'-2"	203
S2	51	#5	6	3'-11"	131
S3	29	#5	5	11'-2"	187
S4	32	#4	10	6'-6"	156
S5	6	#6	8	5'-2"	47
S6	6	#6	9	10'-1"	91
U1	37	#4	7	3'-8"	88
U2	18	#4	7	6'-2"	74
V1	74	#5	STR	9'-11"	745
V2	46	#5	STR	12'-8"	608
V3	42	#5	STR	11'-6"	480

REINFORCING STEEL	LBS.	6,035
CLASS A CONCRETE		
POUR #1 (CAP, LOWER WINGS, & COLLARS)	CU. YDS.	35.0
POUR #2 (UPPER WINGS & BACKWALL)	CU. YDS.	19.9
TOTAL	CU. YDS.	54.9

PROJECT NO. B-5721  
ROCKINGHAM COUNTY  
 STATION: 21+64.00 -L-  
 SHEET 3 OF 3



STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH  
 SUBSTRUCTURE  
 END BENT 2

DRAWN BY : Q. T. NGUYEN DATE : 05/2022  
 CHECKED BY : F. LEA DATE : 12/2022  
 DESIGN ENGINEER OF RECORD : F. LEA DATE : 04/2022

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

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED