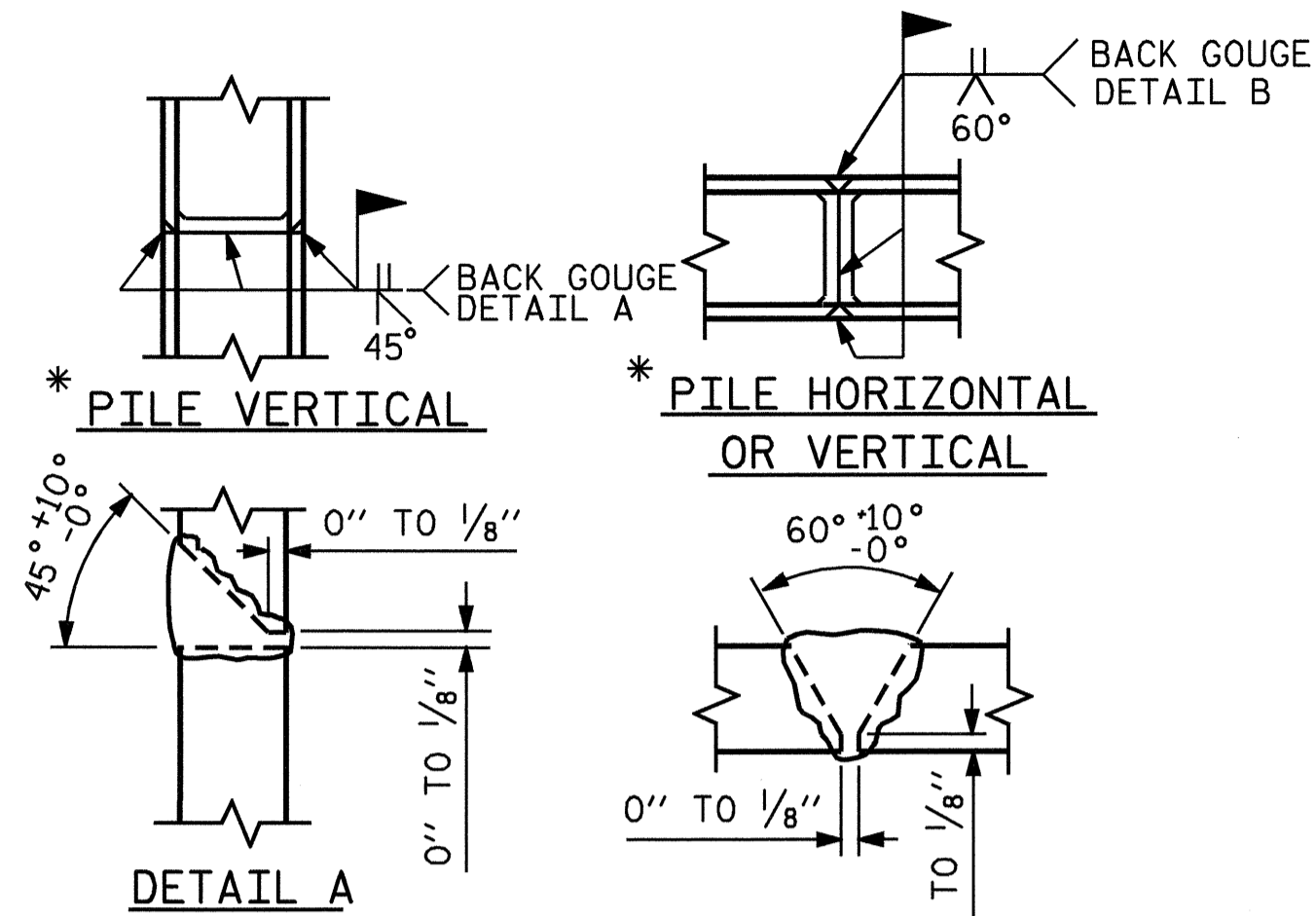


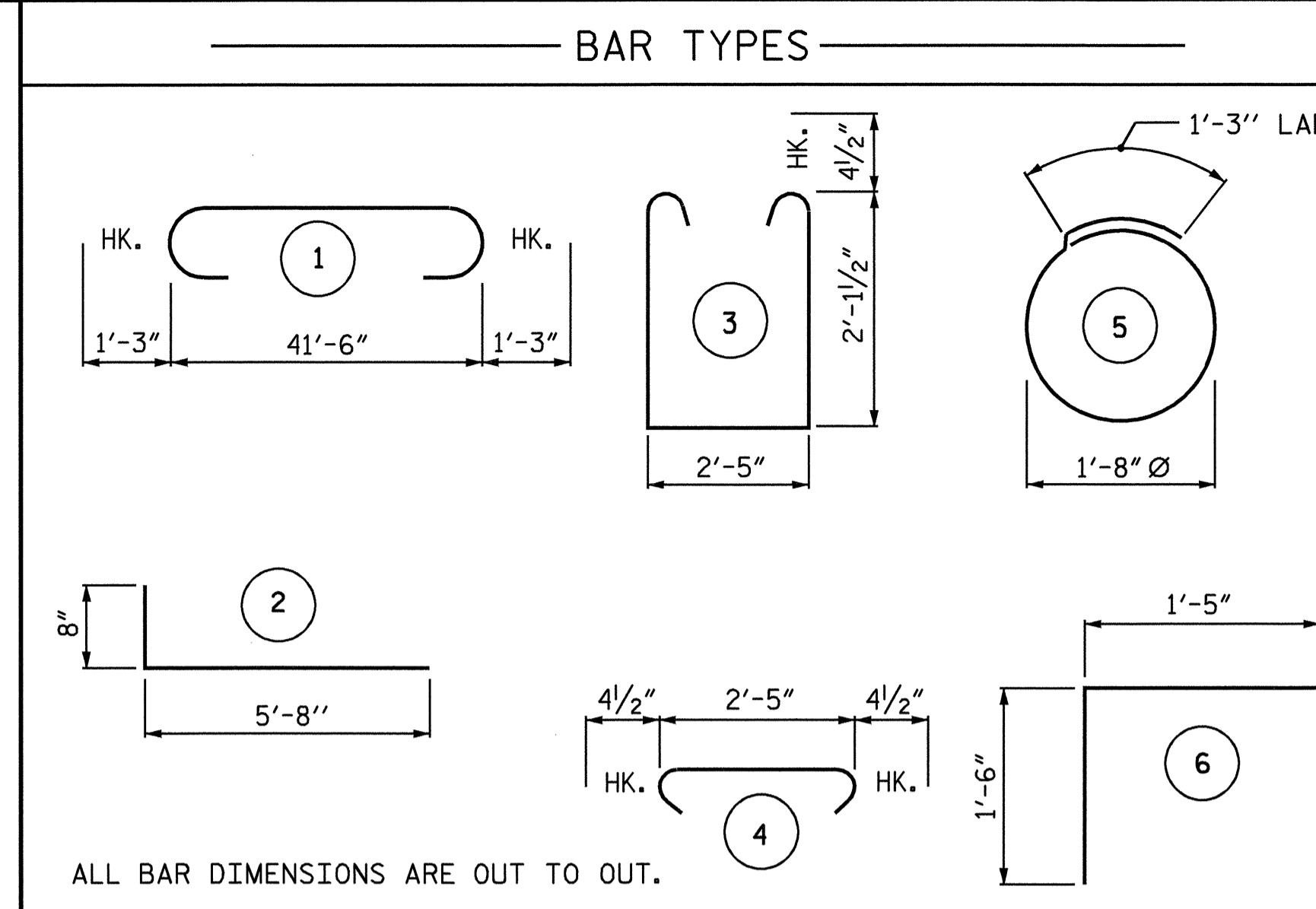
NOTE: NO SEPARATE PAYMENT WILL BE MADE FOR FURNISHING AND INSTALLING THE PVC PLASTIC PIPE DRAINS, HARDWARE CLOTH, AND FASTENERS. THE ENTIRE COST OF THIS WORK SHALL BE INCLUDED IN THE UNIT CONTRACT PRICE BID FOR THE SEVERAL PAY ITEMS.

PIPE DRAIN DETAILS



* POSITION OF PILE DURING WELDING. DETAIL B

PILE SPLICE DETAILS



ALL BAR DIMENSIONS ARE OUT TO OUT.

BILL OF MATERIAL

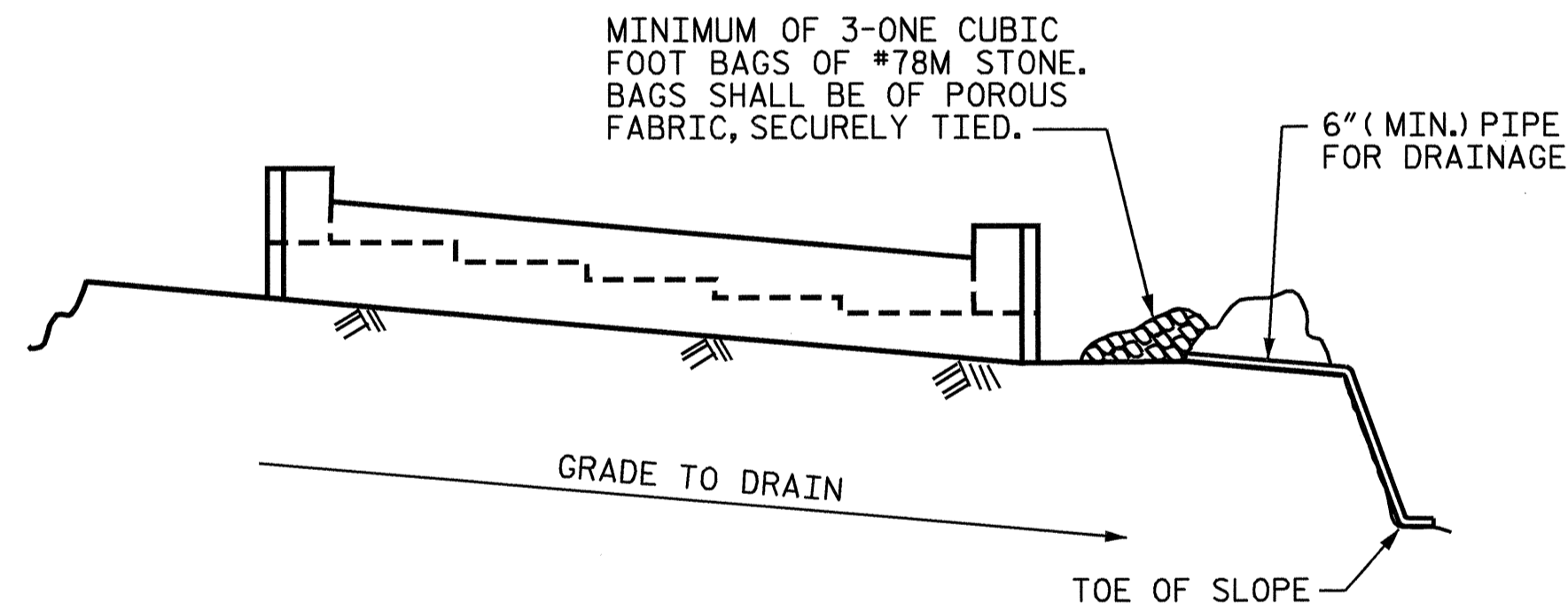
END BENT NO. 1

BAR	No.	SIZE	TYPE	LENGTH	WEIGHT
B1	8	9	1	44'-0"	1197
B2	4	5	STR	41'-8"	174
B3	8	4	STR	22'-1"	118
B4	11	4	STR	2'-5"	18
D1	24	6	STR	1'-6"	54
H1	24	4	2	6'-4"	102
K1	12	4	STR	2'-6"	20
S1	44	4	3	7'-5"	218
S2	44	4	4	3'-2"	93
S3	14	4	5	6'-6"	61
S4	4	4	6	4'-5"	12
V1	36	4	STR	3'-11"	94
REINFORCING STEEL				LBS.	2161

CLASS A CONCRETE BREAKDOWN

POUR #1	CAP & BOTTOM OF WINGS	11.6 C. Y.
POUR #2	UPPER WINGS	1.1 C. Y.
POUR #3	LATERAL GUIDE	0.1 C. Y.
TOTAL CLASS A CONCRETE		12.8 C. Y.

HP 12 x 53 STEEL PILES
 NO. = 7 LIN. FT. = 245.0

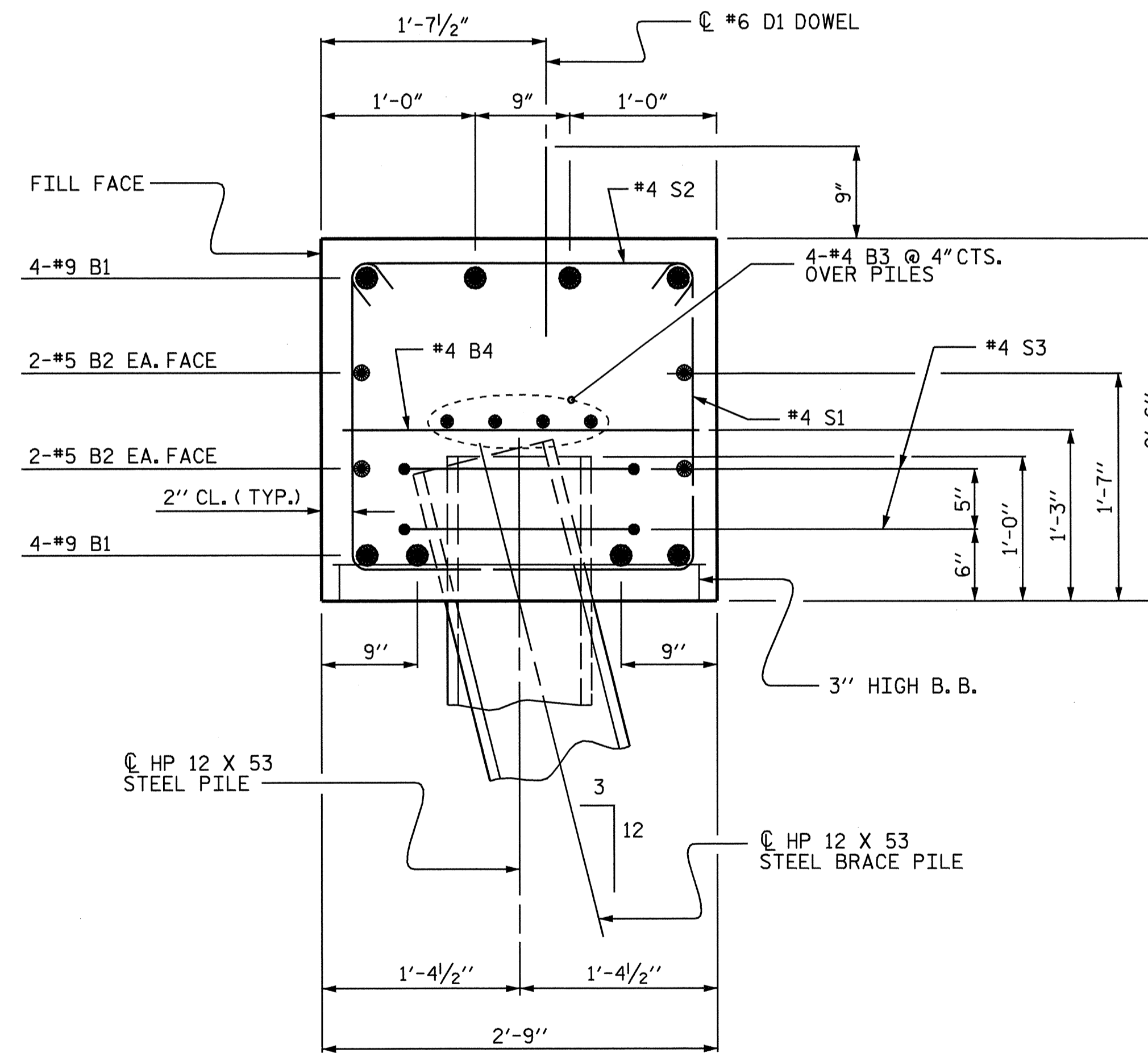


BAGGED STONE AND PIPE SHALL BE PLACED IMMEDIATELY AFTER COMPLETION OF END BENT EXCAVATION. PIPE MAY BE EITHER CONCRETE, CORRUGATED STEEL, CORRUGATED ALUMINUM ALLOY, OR CORRUGATED PLASTIC. PERFORATED PIPE WILL NOT BE ALLOWED.

BAGGED STONE SHALL REMAIN IN PLACE UNTIL THE ENGINEER DIRECTS THAT IT BE REMOVED. THE CONTRACTOR SHALL REMOVE AND DIPOSE 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 NO. 1



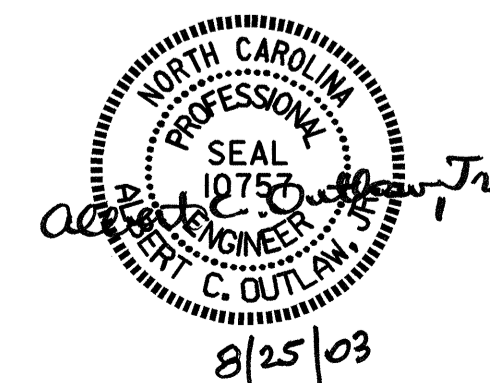
SECTION A-A

PROJECT NO. B-3470
HAYWOOD COUNTY
 STATION: 15+18.00 -L-

SHEET 3 OF 3

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

SUBSTRUCTURE
 END BENT NO. 1



REVISIONS						SHEET NO. S-10
NO.	BY:	DATE:	NO.	BY:	DATE:	
1			3			TOTAL SHEETS 22
2			4			