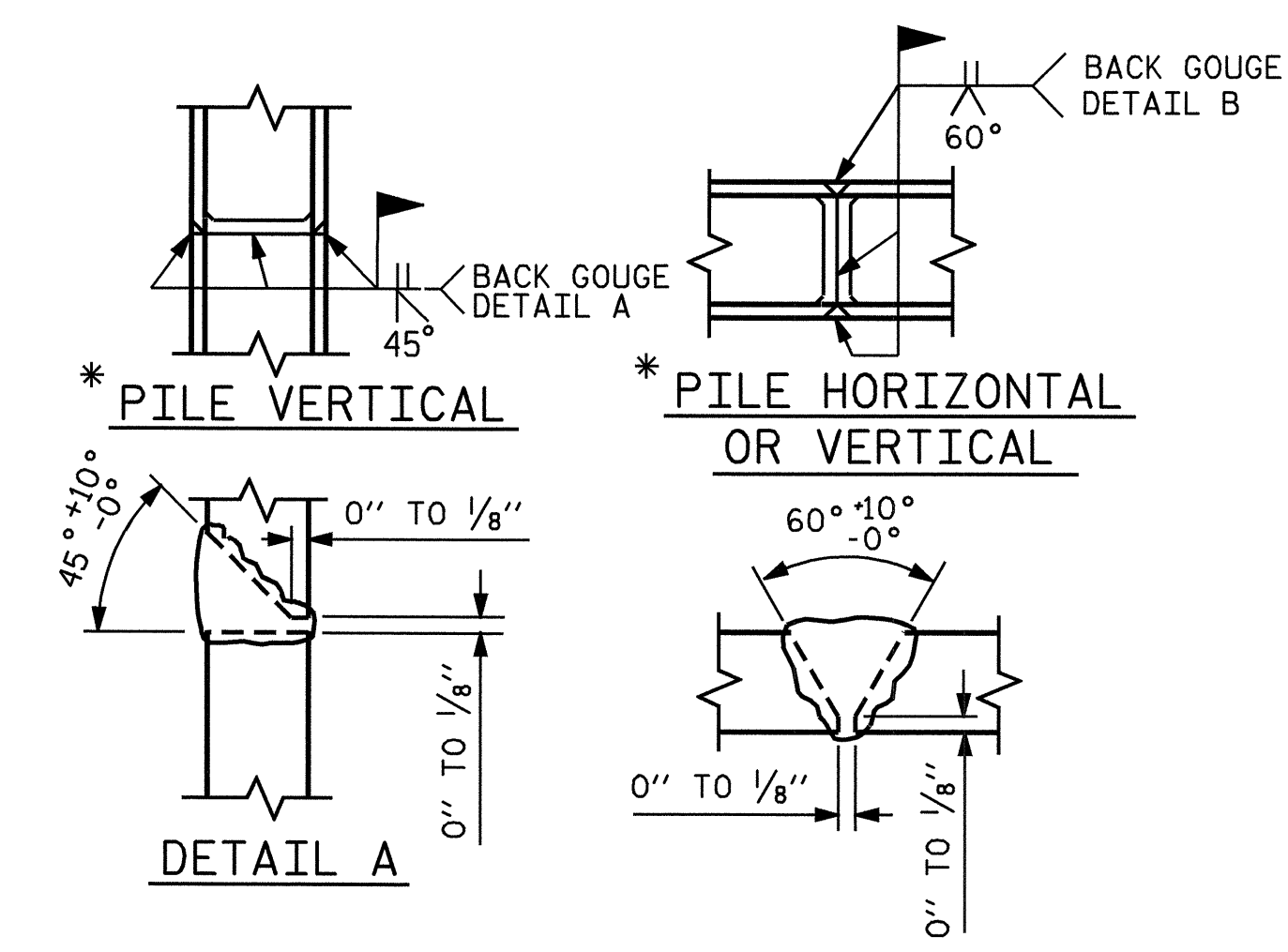


BAGGED STONE AND PIPE SHALL BE PLACED IMMEDIATELY AFTER COMPLETION OF END BENT EXCAVATION. PIPE MAY BE EITHER CONCRETE, CORRUGATED STEEL, CORRUGATED ALUMINUM ALLOY, OR CORRUGATED PLASTIC. PERFORATED PIPE WILL NOT BE ALLOWED.

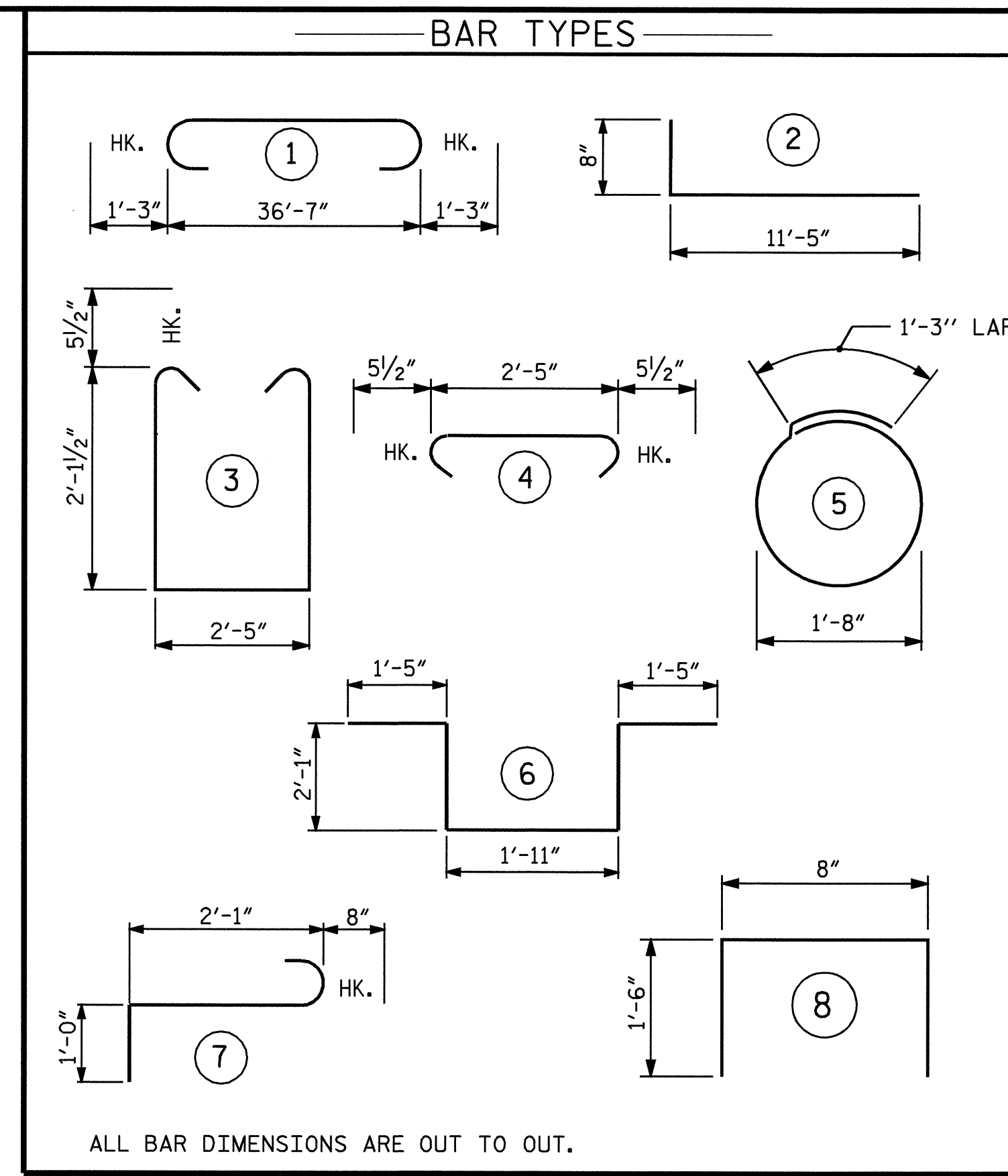
BAGGED STONE SHALL REMAIN IN PLACE UNTIL THE ENGINEER DIRECTS THAT IT BE REMOVED. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF SILT ACCUMULATIONS AT BAGGED STONE WHEN SO DIRECTED BY THE ENGINEER. BAGS SHALL BE REMOVED AND REPLACED WHENEVER THE ENGINEER DETERMINES THAT THEY HAVE DETERIORATED AND LOST THEIR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

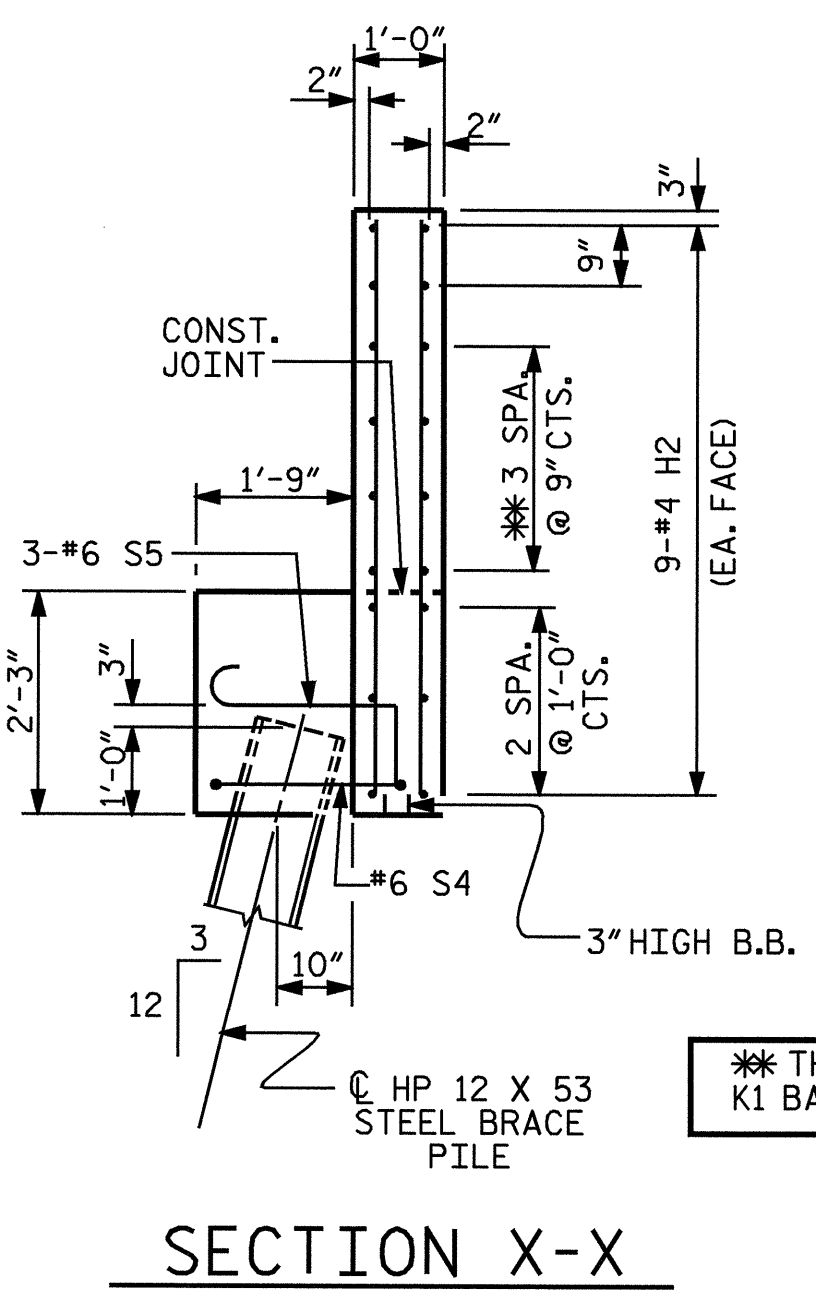
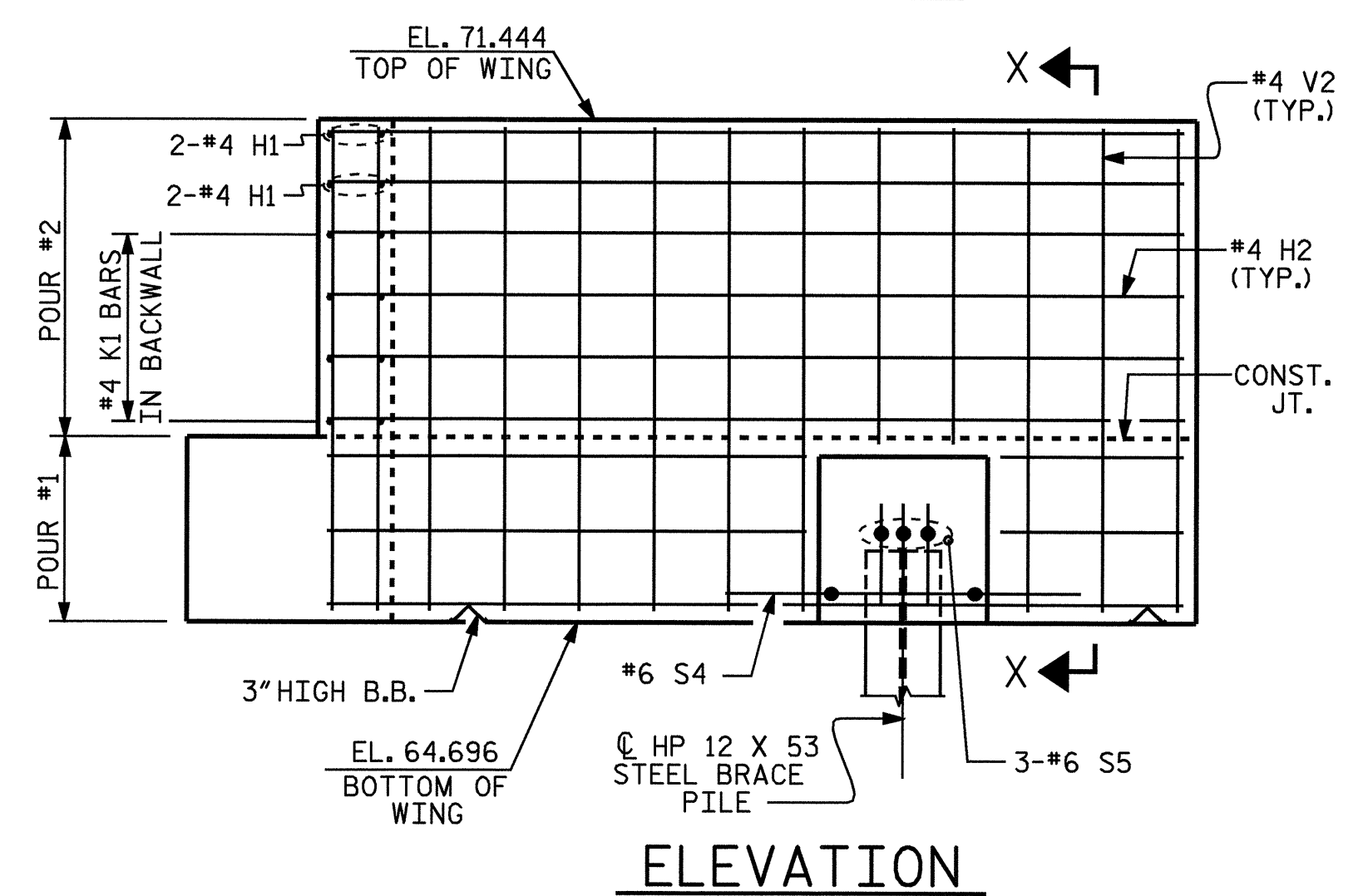
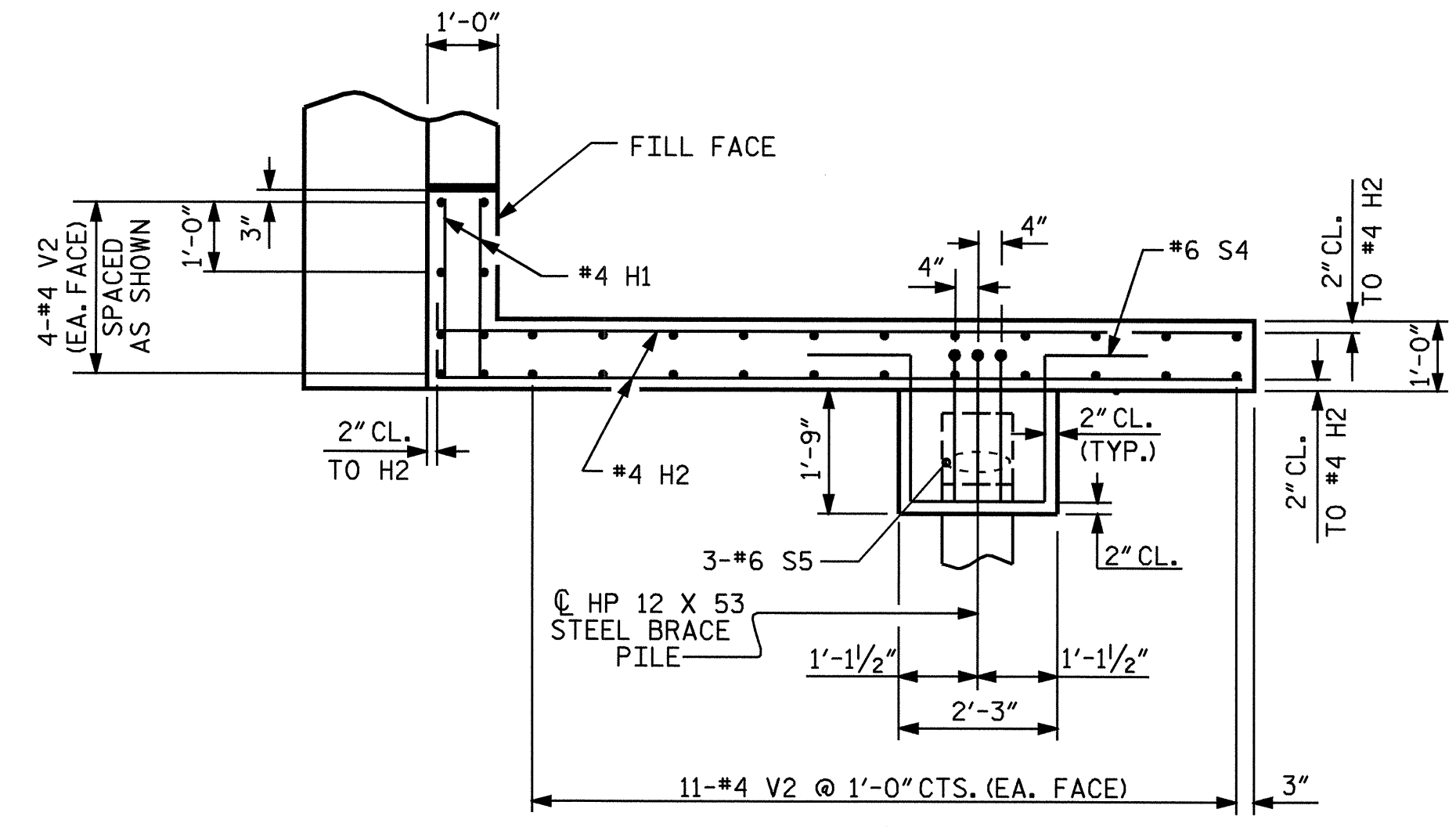
TEMPORARY DRAINAGE AT END BENT



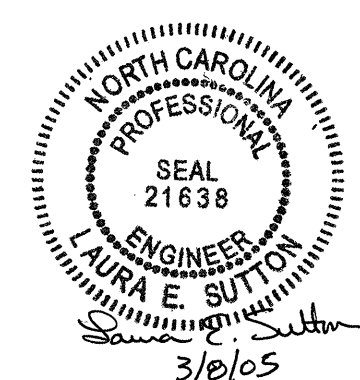
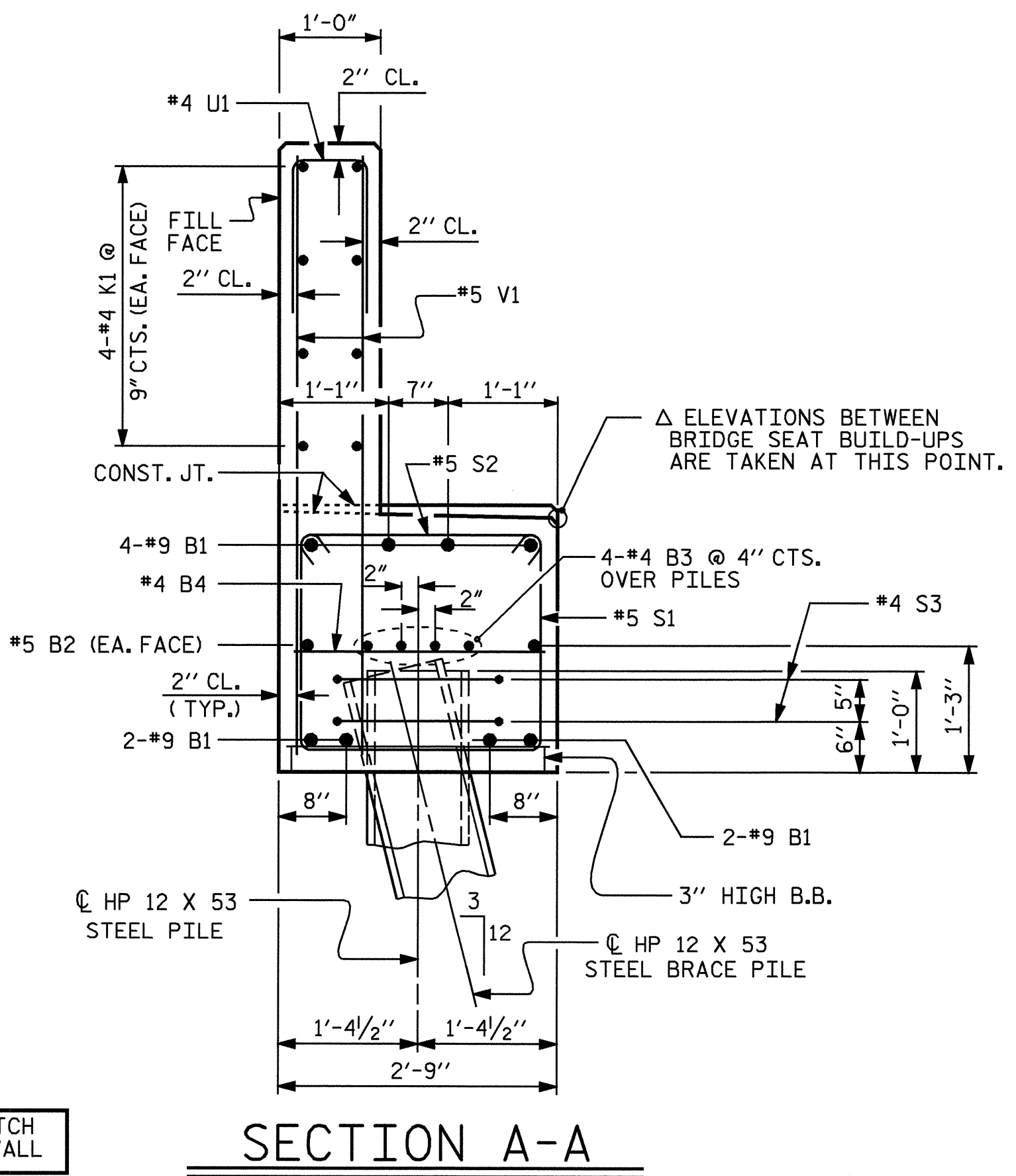
* POSITION OF PILE DURING WELDING. **PILE SPLICE DETAILS**



BILL OF MATERIAL					
END BENT 1					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	8	#9	1	39'-1"	1063
B2	2	#5	STR	36'-9"	77
B3	8	#4	STR	19'-7"	105
B4	9	#4	STR	2'-5"	15
H1	8	#4	STR	2'-6"	13
H2	36	#4	2	12'-1"	291
K1	16	#4	STR	19'-7"	209
S1	32	#5	3	7'-7"	253
S2	32	#5	4	3'-4"	111
S3	12	#4	5	6'-6"	52
S4	2	#6	6	8'-11"	27
S5	6	#6	7	3'-9"	34
U1	32	#4	8	3'-8"	78
V1	64	#5	STR	5'-0"	334
V2	60	#4	STR	6'-4"	254
REINFORCING STEEL					LBS. 2916
CLASS 'A' CONCRETE					
POUR #1: CAP & WINGS				CU. YDS. 12.4	
POUR #2: WINGS				CU. YDS. 7.7	
TOTAL:				CU. YDS. 20.1	
HP 12 X 53 STEEL PILES					
NO. 8				LIN. FT. 320	



* THESE BARS TO MATCH K1 BARS IN THE BACKWALL



PROJECT NO. B-3467
 HALIFAX COUNTY
 STATION: 31+50.00 -L-

SHEET 2 OF 2

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

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	
1			3			TOTAL SHEETS
2			4			60

DRAWN BY: J.L. WALTON DATE: 10/13/03
 CHECKED BY: B.N. BARODAWALA DATE: 10/28/03