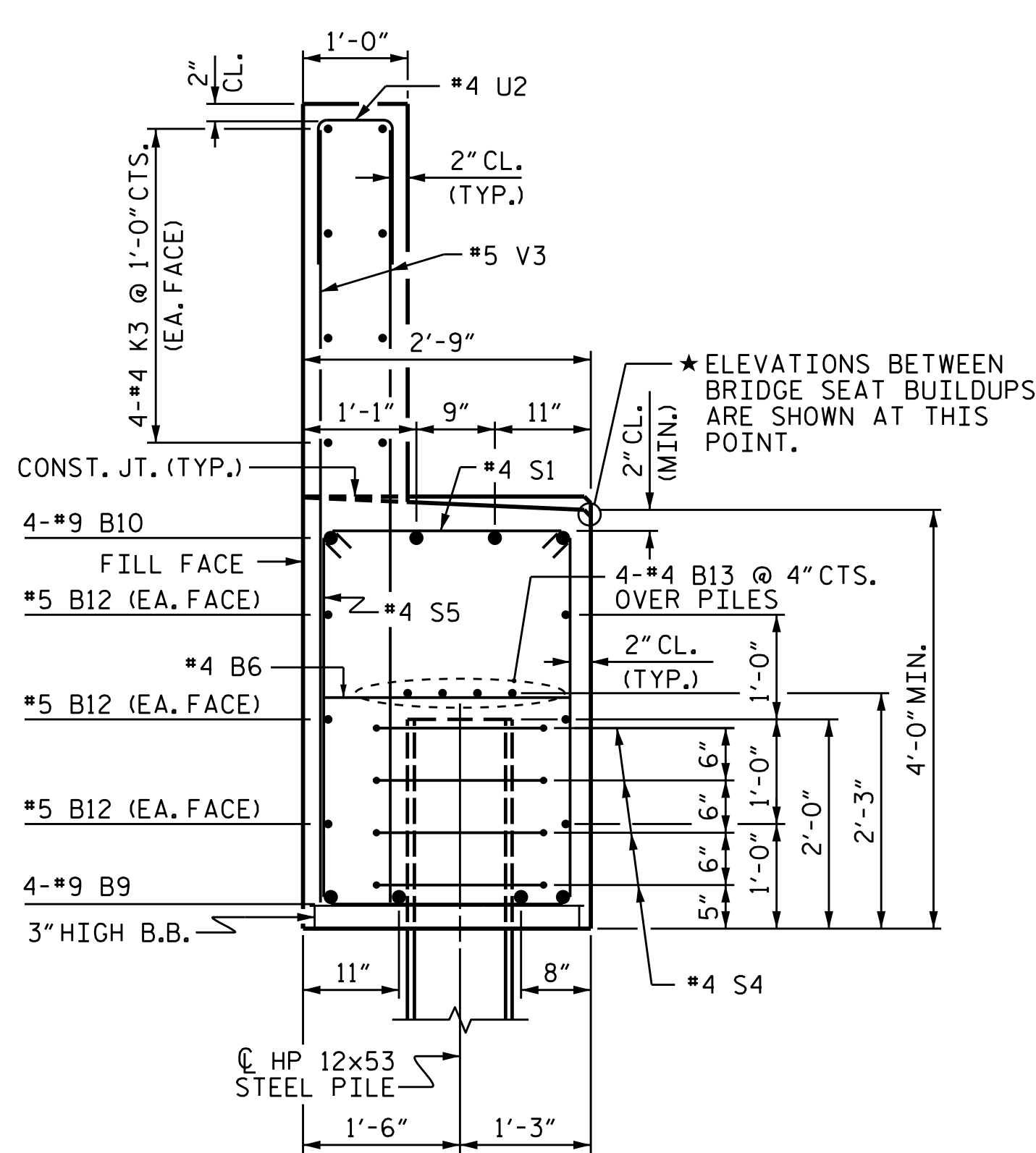
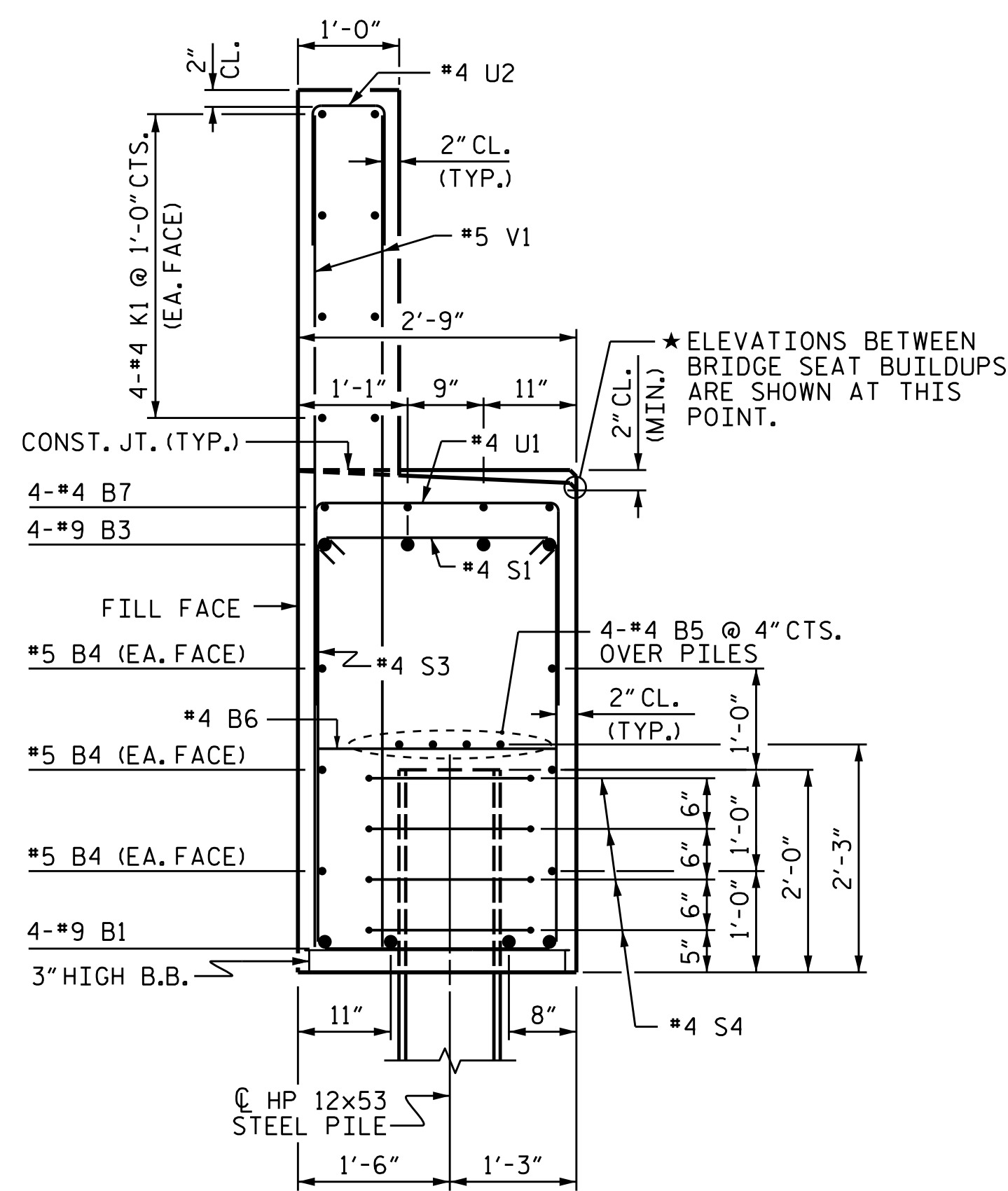


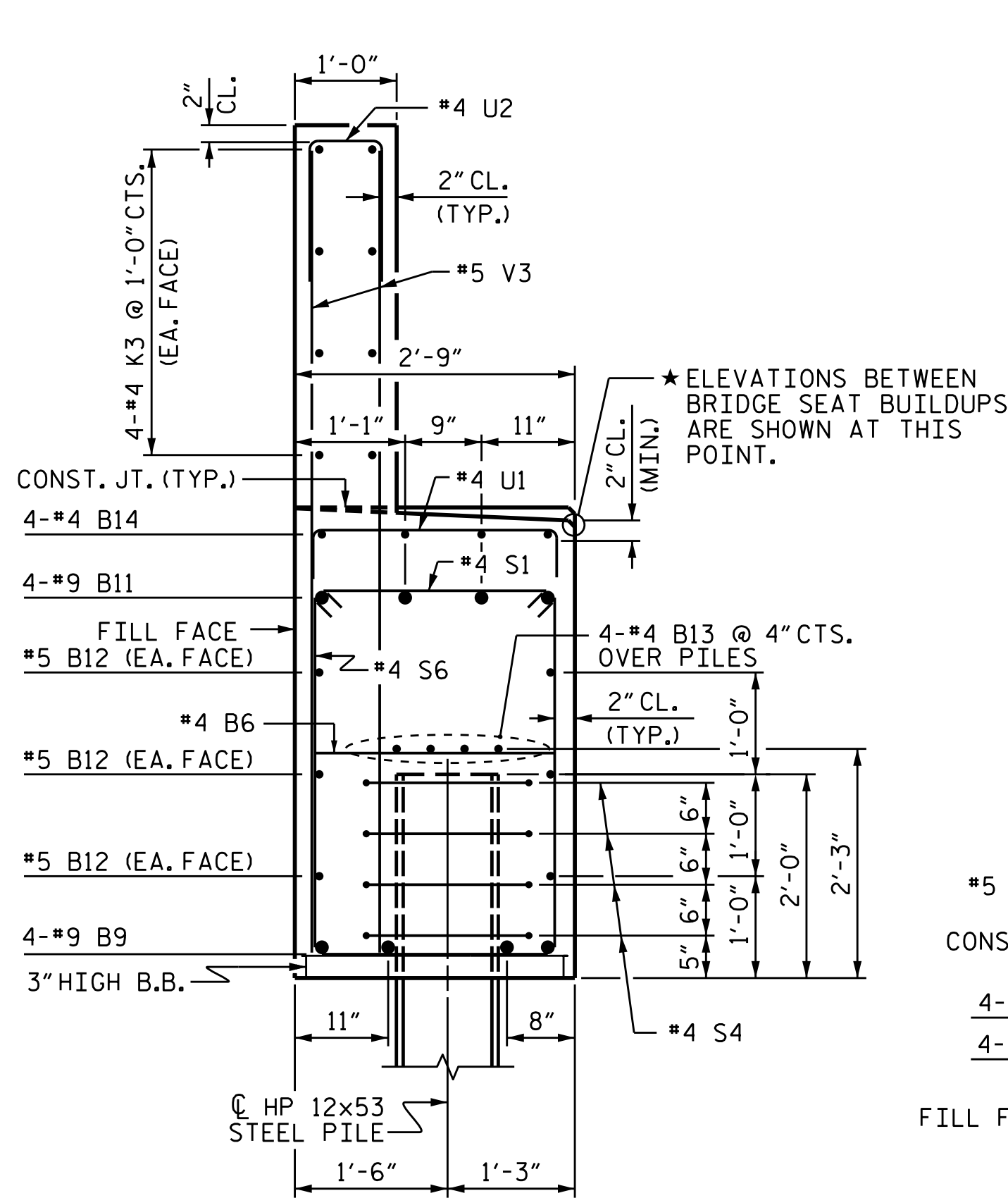
SECTION A-A



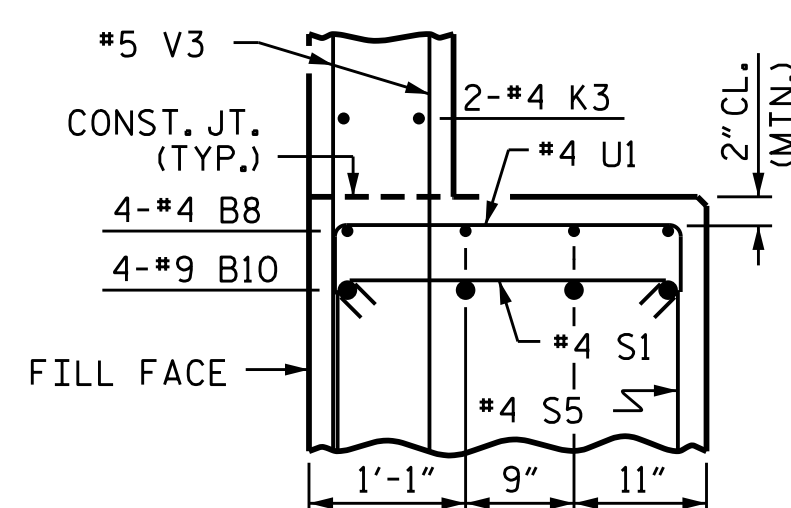
SECTION C-C



SECTION B-B

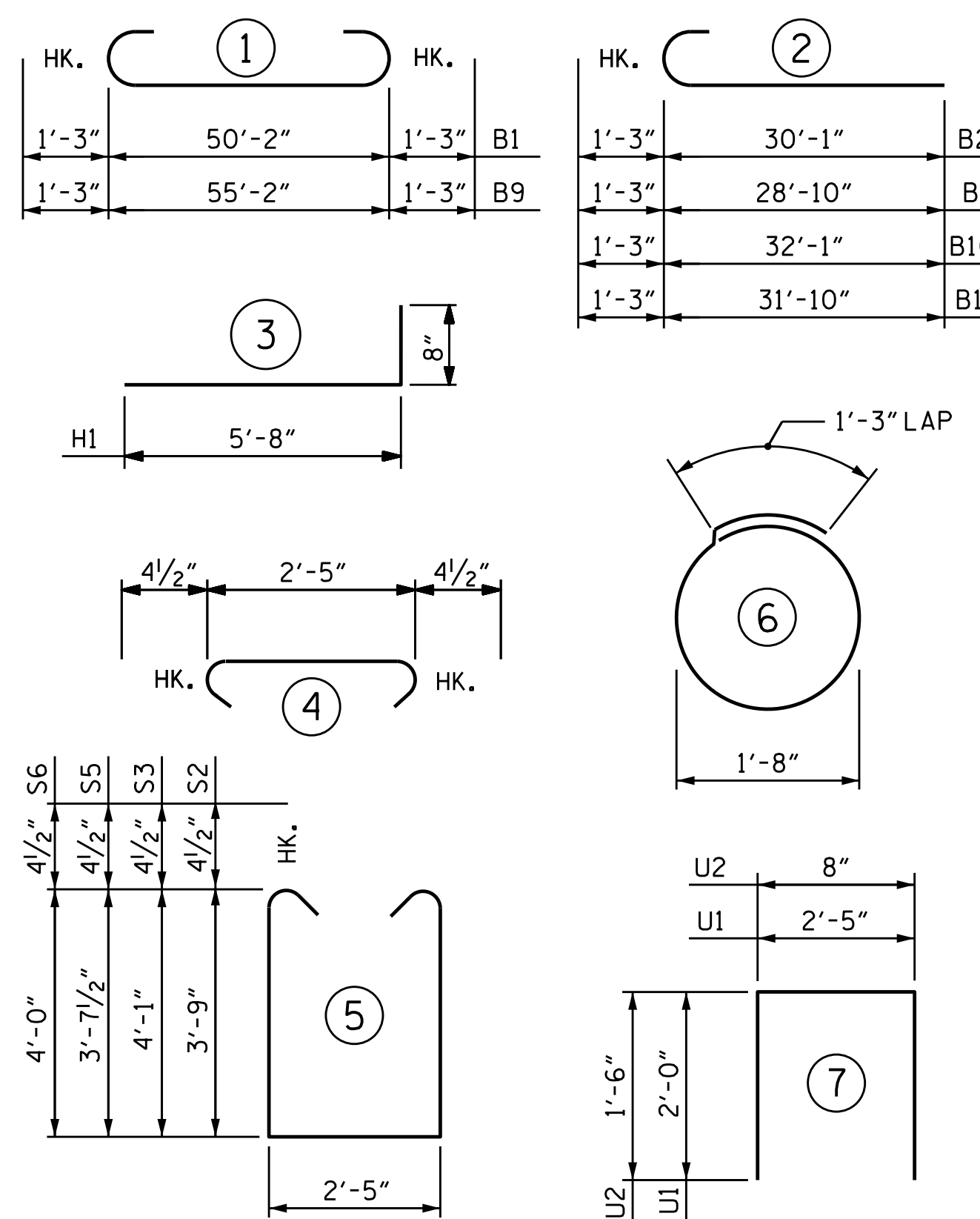


SECTION D-D



SECTION E-E

BAR TYPES

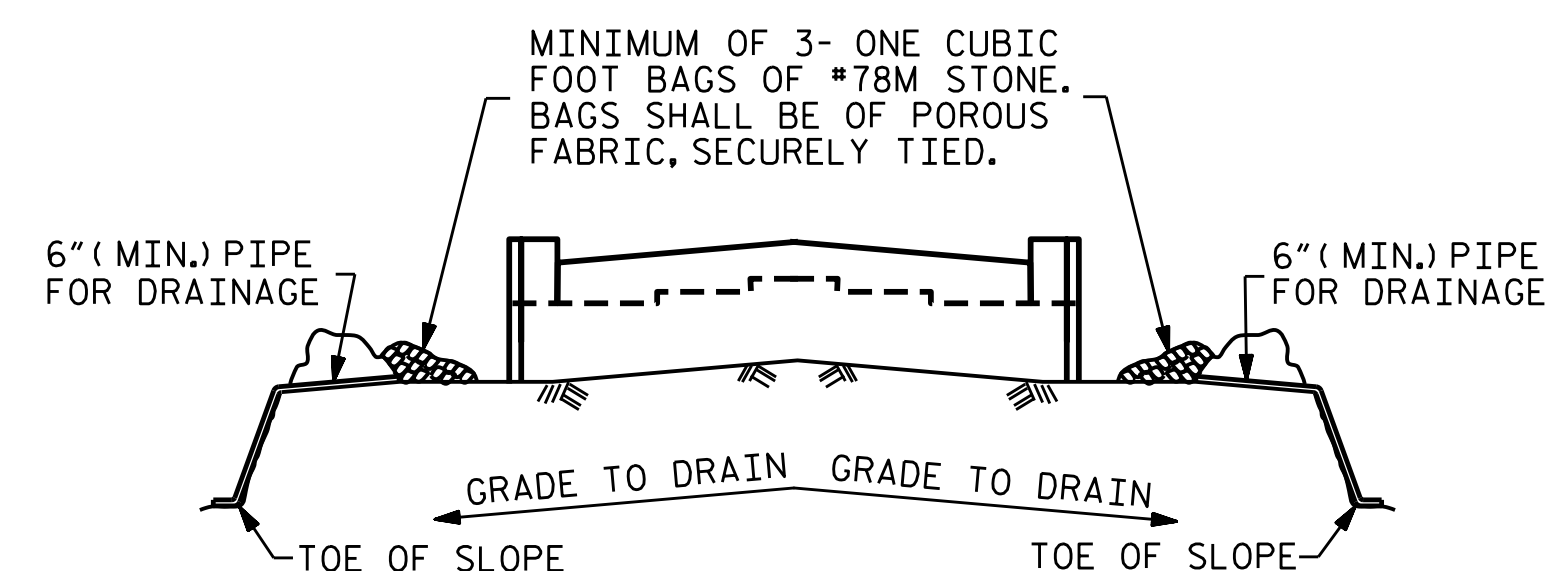


ALL BAR DIMENSIONS ARE OUT TO OUT.

BILL OF MATERIAL

END BENT 2

STAGE I					STAGE II								
BAR NO.	SIZE	TYPE	LENGTH	WEIGHT	BAR NO.	SIZE	TYPE	LENGTH	WEIGHT				
B1	4	#9	1	52'-8"	716	B6	16	#4	STR	2'-5"	26		
B2	4	#9	2	31'-4"	426	B8	12	#4	STR	3'-2"	25		
B3	4	#9	2	30'-1"	409	B9	4	#9	1	57'-8"	784		
B4	6	#5	STR	50'-0"	313	B10	4	#9	2	33'-4"	453		
B5	8	#4	STR	26'-5"	141	B11	4	#9	2	33'-1"	450		
B6	15	#4	STR	2'-5"	24	B12	6	#5	STR	55'-4"	346		
B7	4	#4	STR	8'-6"	23	B13	8	#4	STR	28'-11"	155		
B8	12	#4	STR	3'-2"	25	B14	4	#4	STR	9'-6"	25		
D1	4	#6	STR	4'-0"	24								
H1	24	#4	3	6'-4"	102	H1	24	#4	2	6'-4"	102		
K1	16	#4	STR	27'-9"	297	K2	6	#4	STR	2'-7"	10		
K2	6	#4	STR	2'-7"	10	K3	16	#4	STR	28'-11"	309		
S1	56	#4	4	3'-2"	118	S1	58	#4	4	3'-2"	123		
S2	24	#4	5	10'-8"	171	S4	28	#4	6	6'-6"	122		
S3	32	#4	5	11'-4"	242	S5	24	#4	5	10'-5"	167		
S4	28	#4	6	6'-6"	122	S6	34	#4	5	11'-2"	254		
U1	15	#4	7	6'-5"	64	U1	16	#4	6	6'-5"	69		
U2	48	#4	7	3'-8"	118	U2	53	#4	6	3'-8"	130		
V1	96	#5	STR	7'-6"	751	V3	106	#5	STR	7'-4"	811		
V2	18	#4	STR	9'-6"	114	V4	18	#4	STR	9'-5"	113		
REINFORCING STEEL LBS.					4,210	REINFORCING STEEL LBS.					4,474		
CLASS A CONCRETE BREAKDOWN						CLASS A CONCRETE BREAKDOWN							
POUR #1	CAP & LOWER PART OF WING W1		C.Y.	24.0		POUR #1	CAP & LOWER PART OF WING W2		C.Y.	25.8			
POUR #2	BACKWALL & UPPER PART OF WING W1		C.Y.	8.5		POUR #2	BACKWALL & UPPER PART OF WING W2		C.Y.	9.2			
TOTAL					C.Y.	32.5	TOTAL					C.Y.	35.0
HP 12x53 STEEL PILES NO. 8					LIN. FT.	425	HP 12x53 STEEL PILES NO. 6					LIN. FT.	240

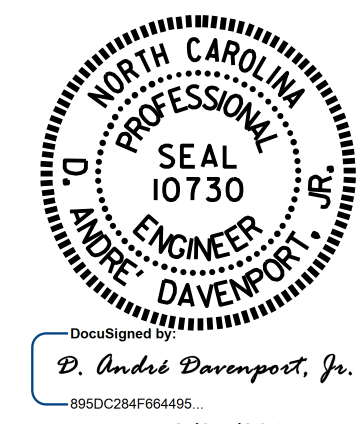


BAGGED STONE AND PIPE SHALL BE PLACED IMMEDIATELY AFTER COMPLETION OF END BENT EXCAVATION. PIPE MAY BE EITHER CONCRETE, CORRUGATED STEEL, CORRUGATED ALUMINUM ALLOY, OR CORRUGATED PLASTIC. PERFORATED PIPE WILL NOT BE ALLOWED.

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



PROJECT NO. B-3159
 DAVIDSON COUNTY
 STATION: 13+41.72 -L-

SHEET 4 OF 4

STATE OF NORTH CAROLINA					
DEPARTMENT OF TRANSPORTATION					
RALEIGH					
SUBSTRUCTURE					
END BENT 2					
REVISIONS					
NO.	BY:	DATE:	NO.	BY:	DATE:
1			3		
2			4		
SHEET NO. S-38					
TOTAL SHEETS 43					

DRAWN BY : K. D. LAYNE DATE : 5/15/15
 CHECKED BY : H. P. KIM DATE : 5/28/15
 DESIGN ENGINEER OF RECORD: R. L. CHESSON DATE : 6/10/15