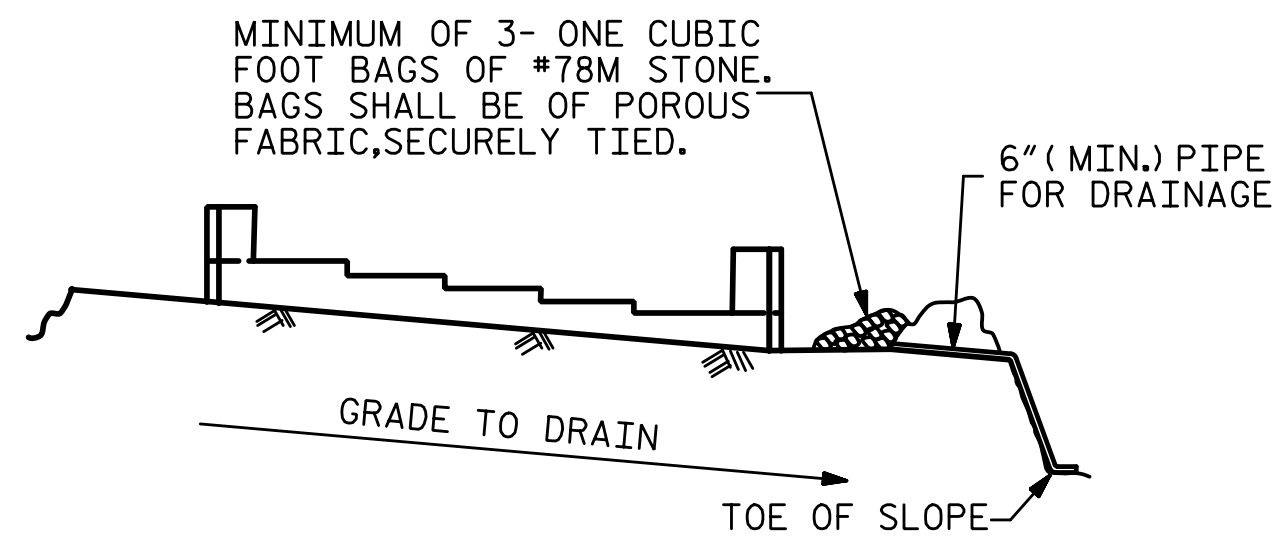


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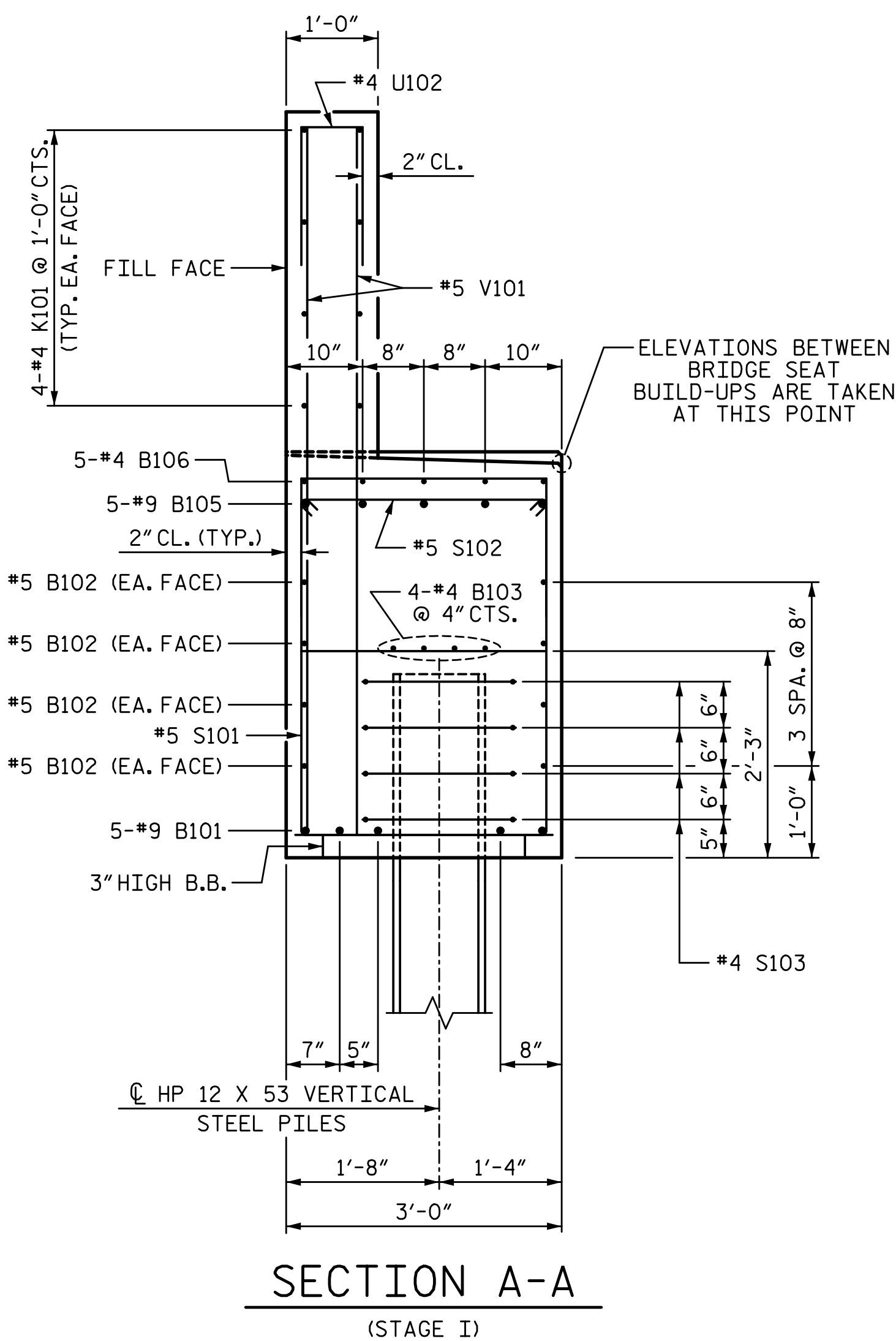


BAGGED STONE AND PIPE SHALL BE PLACED IMMEDIATELY AFTER COMPLETION OF END BENT EXCAVATION. PIPE MAY BE EITHER CONCRETE, CORRUGATED STEEL, CORRUGATED ALUMINUM ALLOY, OR CORRUGATED PLASTIC. PERFORATED PIPE WILL NOT BE ALLOWED.

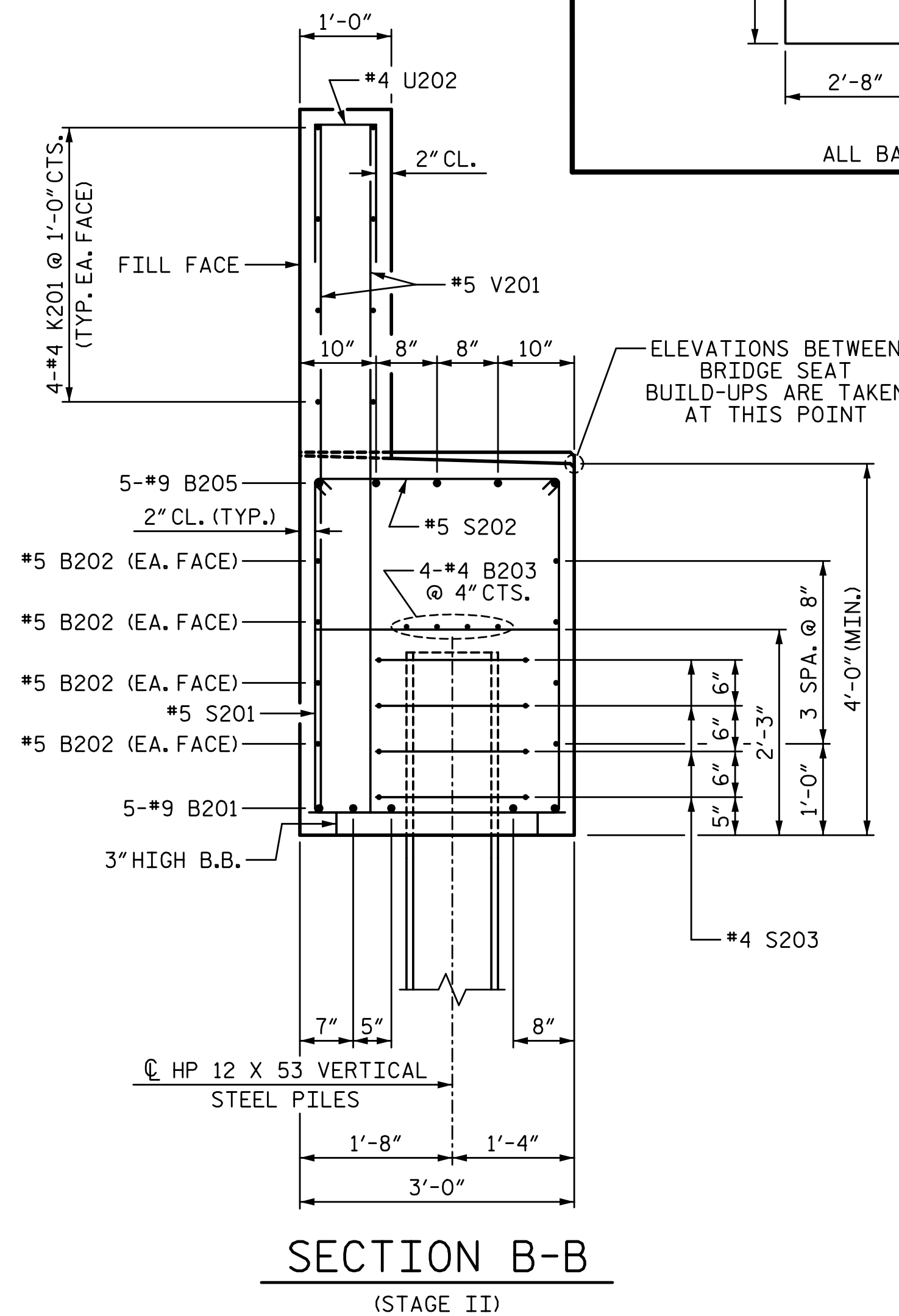
BAGGED STONE SHALL REMAIN IN PLACE UNTIL THE ENGINEER DIRECTS THAT IT BE REMOVED. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF SILT ACCUMULATIONS AT BAGGED STONE WHEN SO DIRECTED BY THE ENGINEER. BAGS SHALL BE REMOVED AND REPLACED WHENEVER THE ENGINEER DETERMINES THAT THEY HAVE DETERIORATED AND LOST THEIR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



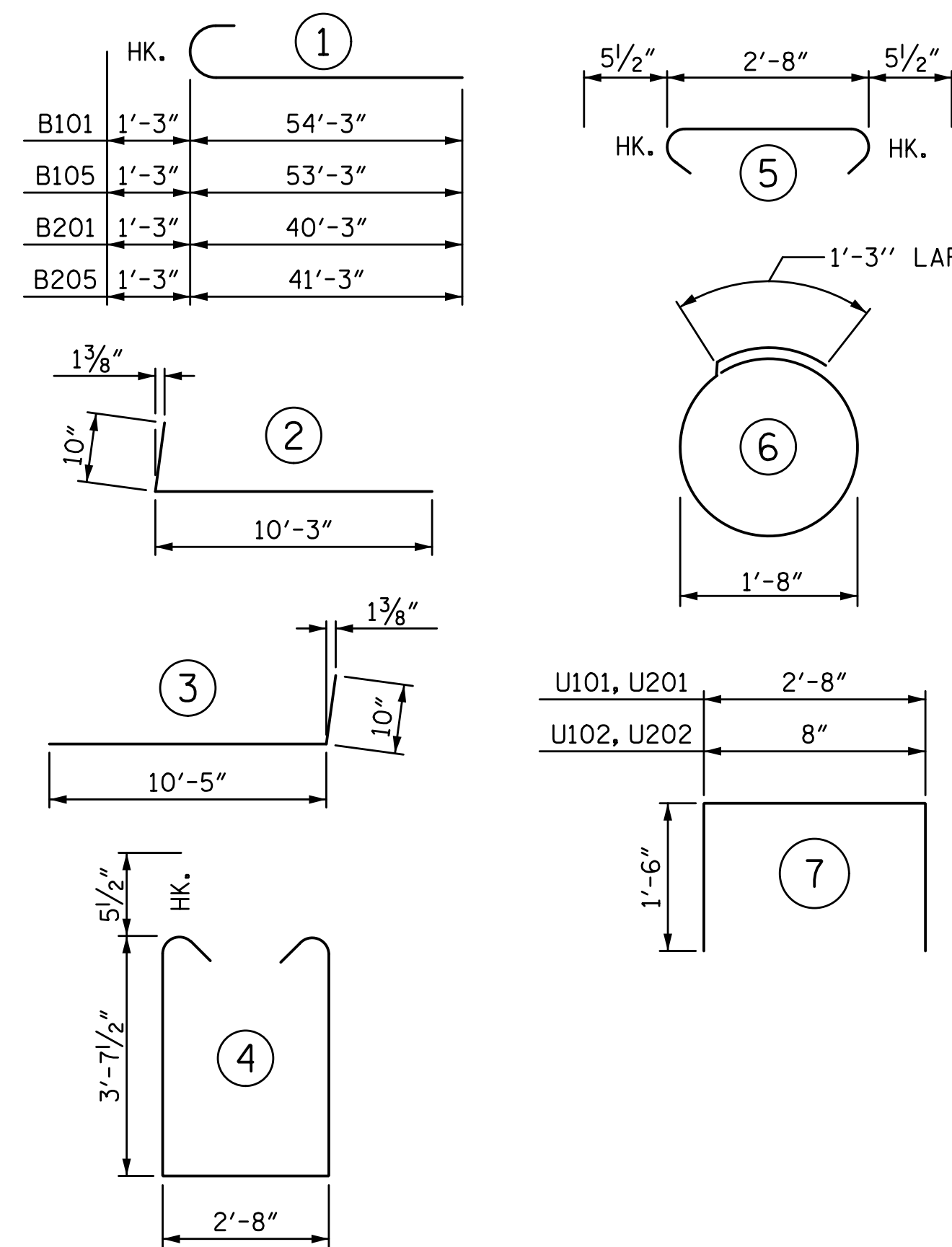
SECTION A-A
(STAGE I)



SECTION B-B
(STAGE II)

DRAWN BY: T. BANKOVICH DATE: 9-22
 CHECKED BY: T.J. BEACH DATE: 9-22
 DESIGN ENGINEER OF RECORD: J.A. BATTS DATE: 9-22

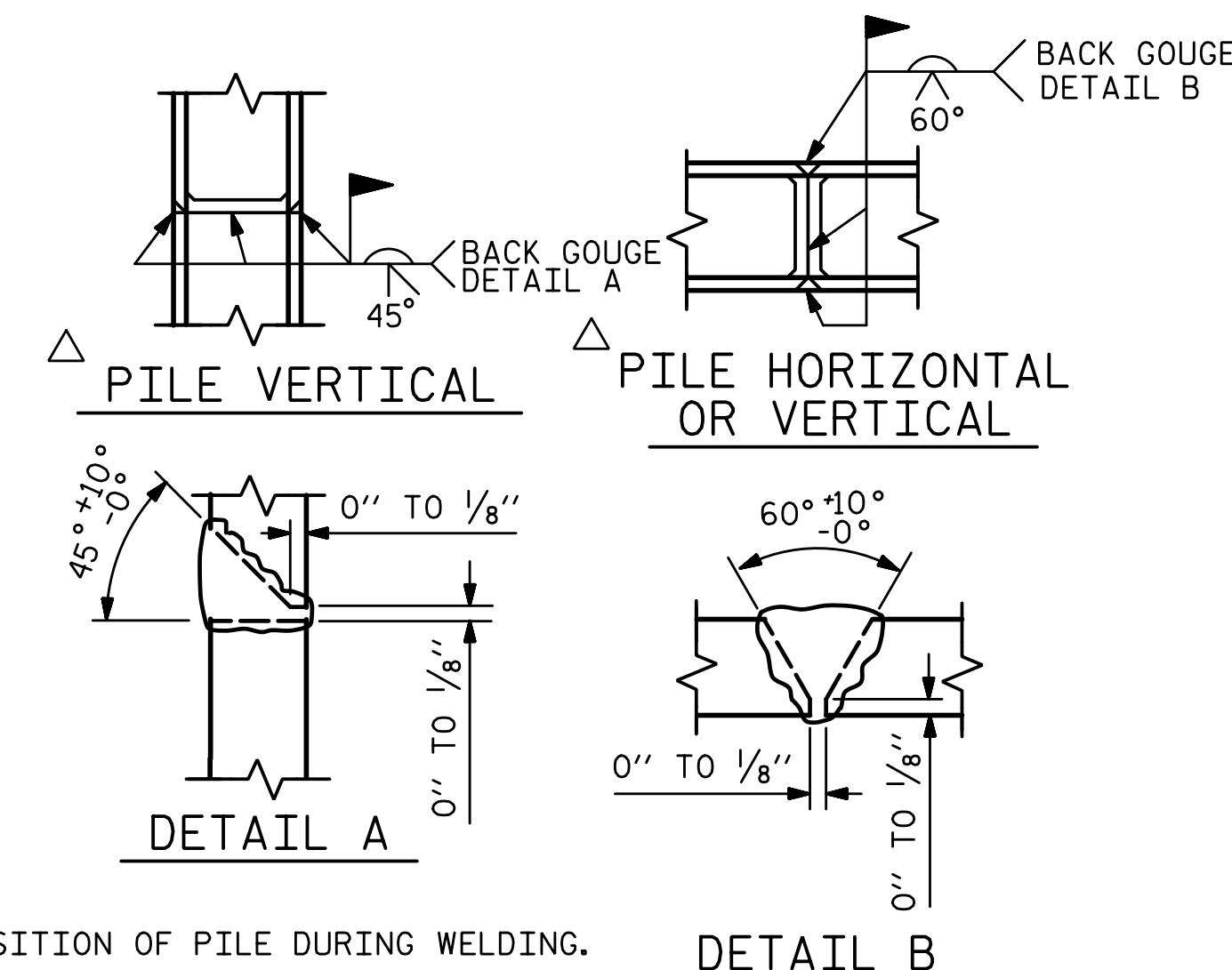
BAR TYPES



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
B101	5	#9	1	55'-6"	944	B201	5	#9	1	41'-6"	706
B102	16	#5	STR	29'-3"	488	B202	8	#5	STR	41'-2"	343
B103	8	#4	STR	28'-11"	155	B203	8	#4	STR	21'-10"	117
B104	13	#4	STR	2'-8"	23	B204	11	#4	STR	2'-8"	20
B105	5	#9	1	54'-6"	927	B205	5	#9	1	42'-6"	723
B106	30	#4	STR	7'-5"	149	B206	20	#4	STR	3'-1"	41
						B207	5	#4	STR	7'-7"	25
H101	28	#5	3	11'-3"	329	H201	28	#5	2	11'-1"	324
K101	16	#4	STR	28'-11"	309	K201	16	#4	STR	21'-10"	233
K102	6	#4	STR	3'-11"	16	K202	6	#4	STR	3'-11"	16
S101	58	#5	4	10'-10"	655	S201	44	#5	4	10'-10"	497
S102	58	#5	5	3'-7"	217	S202	44	#5	5	3'-7"	164
S103	28	#4	6	6'-6"	122	S203	20	#4	6	6'-6"	87
U101	48	#4	7	5'-8"	182	U201	24	#4	7	5'-8"	91
U102	58	#4	7	3'-8"	142	U202	45	#4	7	3'-8"	110
V101	116	#5	STR	7'-8"	928	V201	90	#5	STR	7'-6"	704
V102	32	#5	STR	9'-7"	320	V202	32	#5	STR	9'-9"	325
TOTAL REINFORCING STEEL					5906 LB	TOTAL REINFORCING STEEL					4526 LB
CLASS "A" CONCRETE BREAKDOWN						CLASS "A" CONCRETE BREAKDOWN					
POUR 1					27.0 CY	POUR 1					22.1 CY
(CAP & LOWER WING)						(CAP & LOWER WING)					
POUR 2					9.3 CY	POUR 2					8.2 CY
(UPPER WING & BACKWALL)						(UPPER WING & BACKWALL)					
TOTAL					36.3 CY	TOTAL					30.3 CY
HP 12 X 53 STEEL PILES						HP 12 X 53 STEEL PILES					
NO. 7					700 LF	NO. 5					500 LF
PILE DRIVING EQUIPMENT SETUP						PILE DRIVING EQUIPMENT SETUP					
HP 12 X 53 STEEL PILES					7 EA	HP 12 X 53 STEEL PILES					5 EA



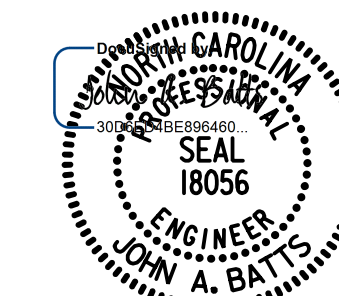
PILE SPLICE DETAILS

PROJECT NO. U-2729
FORSYTH COUNTY
 STATION: 33+99.11 -L-

SHEET 4 OF 4

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
 SUBSTRUCTURE

END BENT 2



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

TOTAL SHEETS: 59

DOCUMENT NOT CONSIDERED FINAL
 UNLESS ALL SIGNATURES COMPLETED