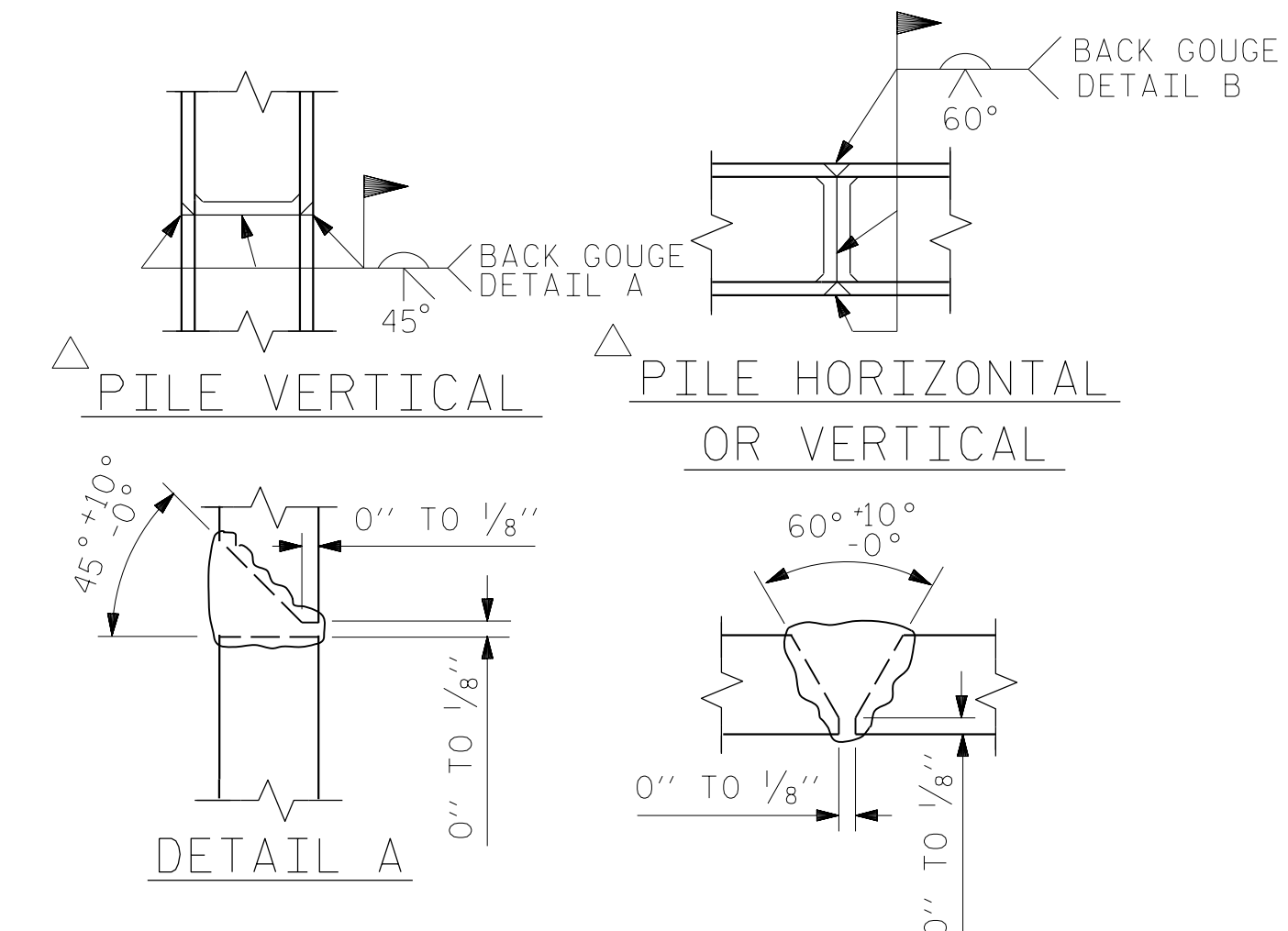


BAGGED STONE AND PIPE SHALL BE PLACED IMMEDIATELY AFTER COMPLETION OF END BENT EXCAVATION. PIPE MAY BE EITHER CONCRETE, CORRUGATED STEEL, CORRUGATED ALUMINUM ALLOY, OR CORRUGATED PLASTIC. PERFORATED PIPE WILL NOT BE ALLOWED.

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.

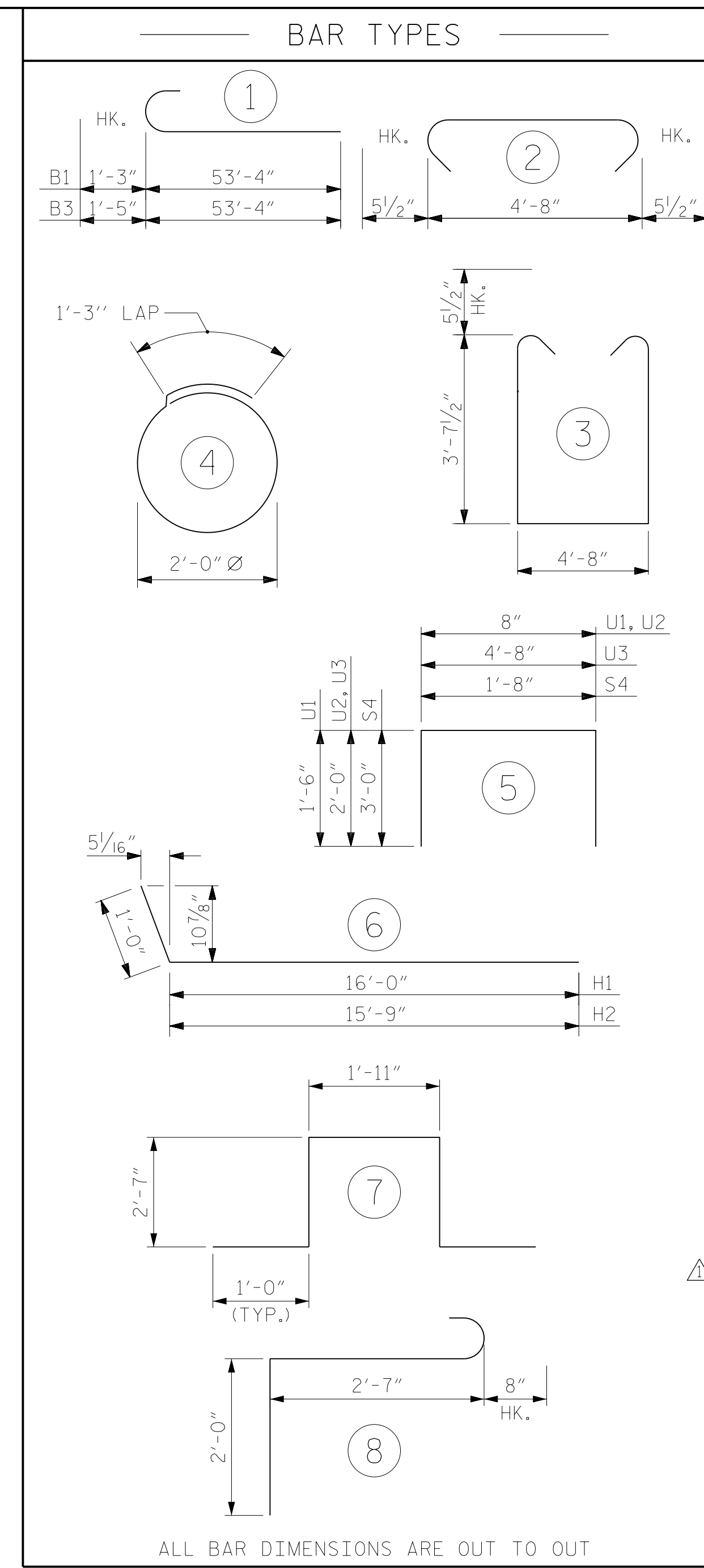
NO SEPARATE PAYMENT WILL BE MADE FOR THIS WORK AND THE ENTIRE COST OF THIS WORK SHALL BE INCLUDED IN THE UNIT CONTRACT PRICE BID FOR THE SEVERAL PAY ITEMS.

TEMPORARY DRAINAGE AT END BENT



POSITION OF PILE DURING WELDING.

PILE SPLICE DETAILS



BILL OF MATERIAL					
END BENT NO. 1					
BAR NO.	SIZE	TYPE	LENGTH	WEIGHT	
B1	7	#9	1	54'-7"	1299
B2	7	#9	STR	13'-1"	311
B3	7	#10	1	54'-9"	1649
B4	7	#10	STR	11'-7"	349
B5	18	#4	STR	40'-0"	481
B6	18	#4	STR	20'-8"	248
B7	14	#4	STR	4'-8"	44
B8	7	#4	STR	40'-0"	187
B9	4	#4	STR	11'-3"	30
H1	14	#4	6	17'-0"	159
H2	14	#4	6	16'-9"	157
K1	12	#4	STR	40'-0"	321
K2	12	#4	STR	20'-9"	166
K3	6	#4	STR	4'-3"	17
S1	88	#5	3	12'-10"	1178
S2	88	#5	2	5'-7"	512
S3	12	#4	4	7'-7"	61
S4	32	#4	5	7'-8"	164
S5	3	#6	7	9'-1"	41
S6	3	#6	8	5'-3"	24
U1	44	#4	5	3'-8"	108
U2	8	#4	5	4'-8"	25
U3	25	#4	5	8'-8"	145
V1	104	#5	STR	9'-0"	976
V2	41	#5	STR	12'-5"	531

REINFORCING STEEL 9,183 LBS.
CLASS A CONCRETE

POUR #1
CAP, COLLARS AND LOWER PART OF WINGS 50.9 C.Y.

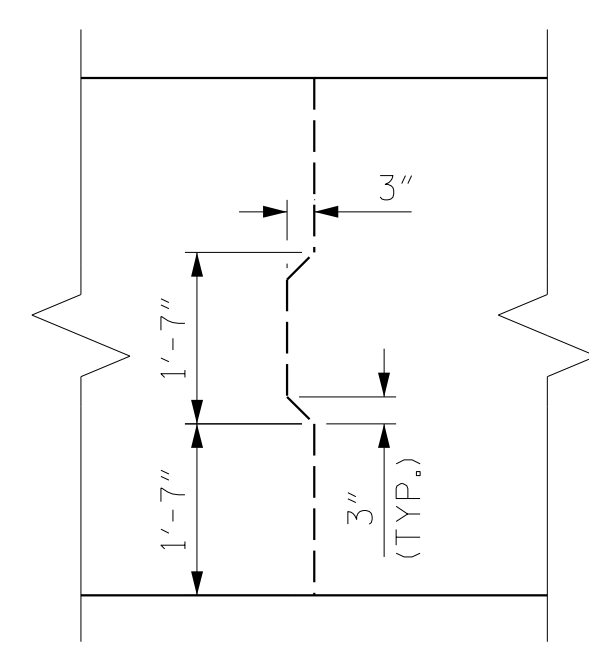
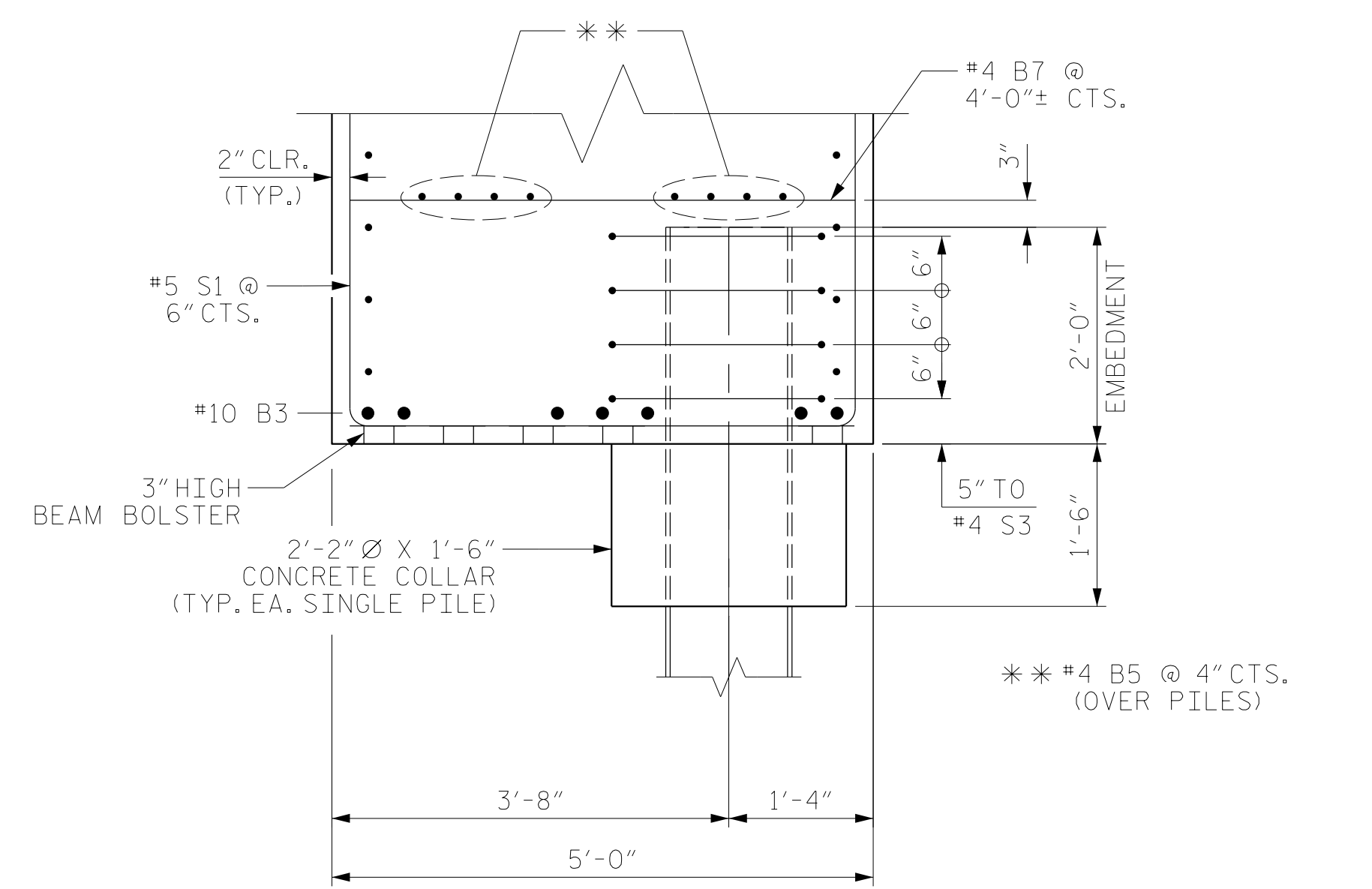
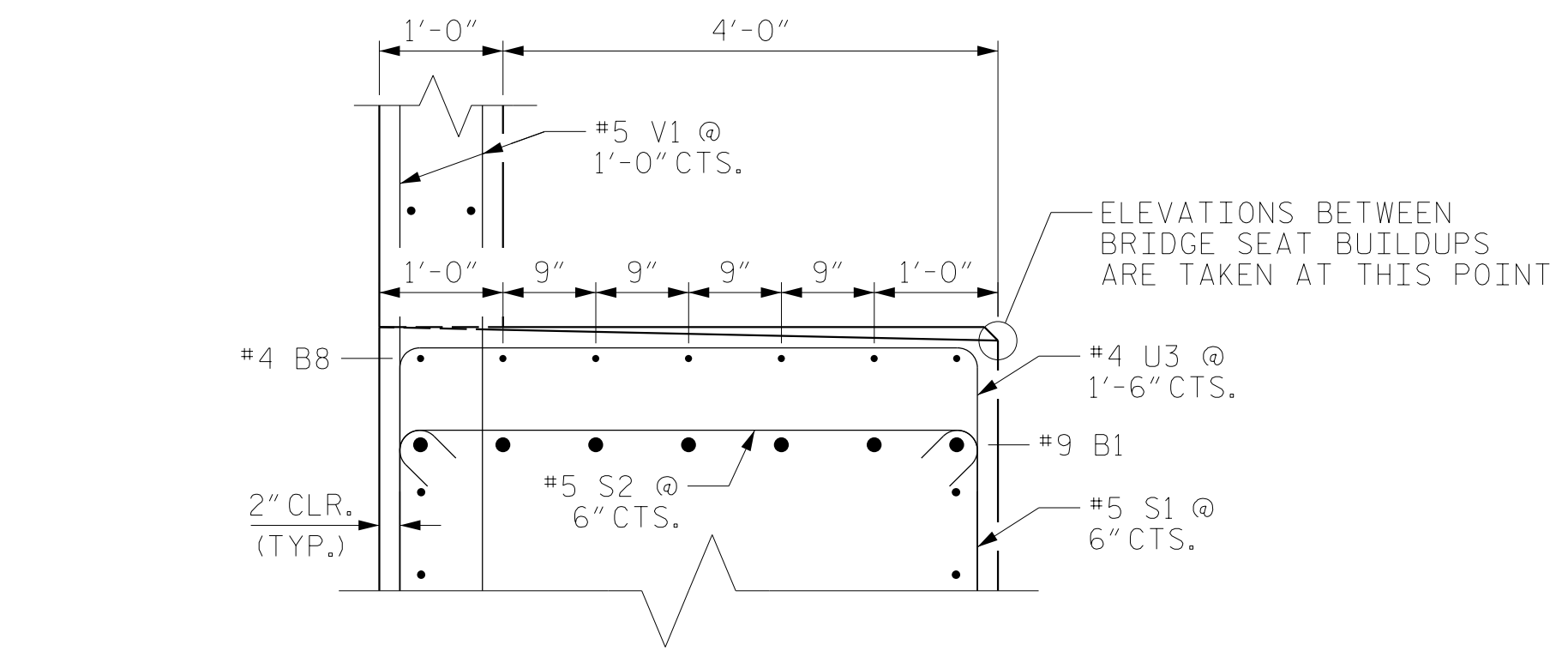
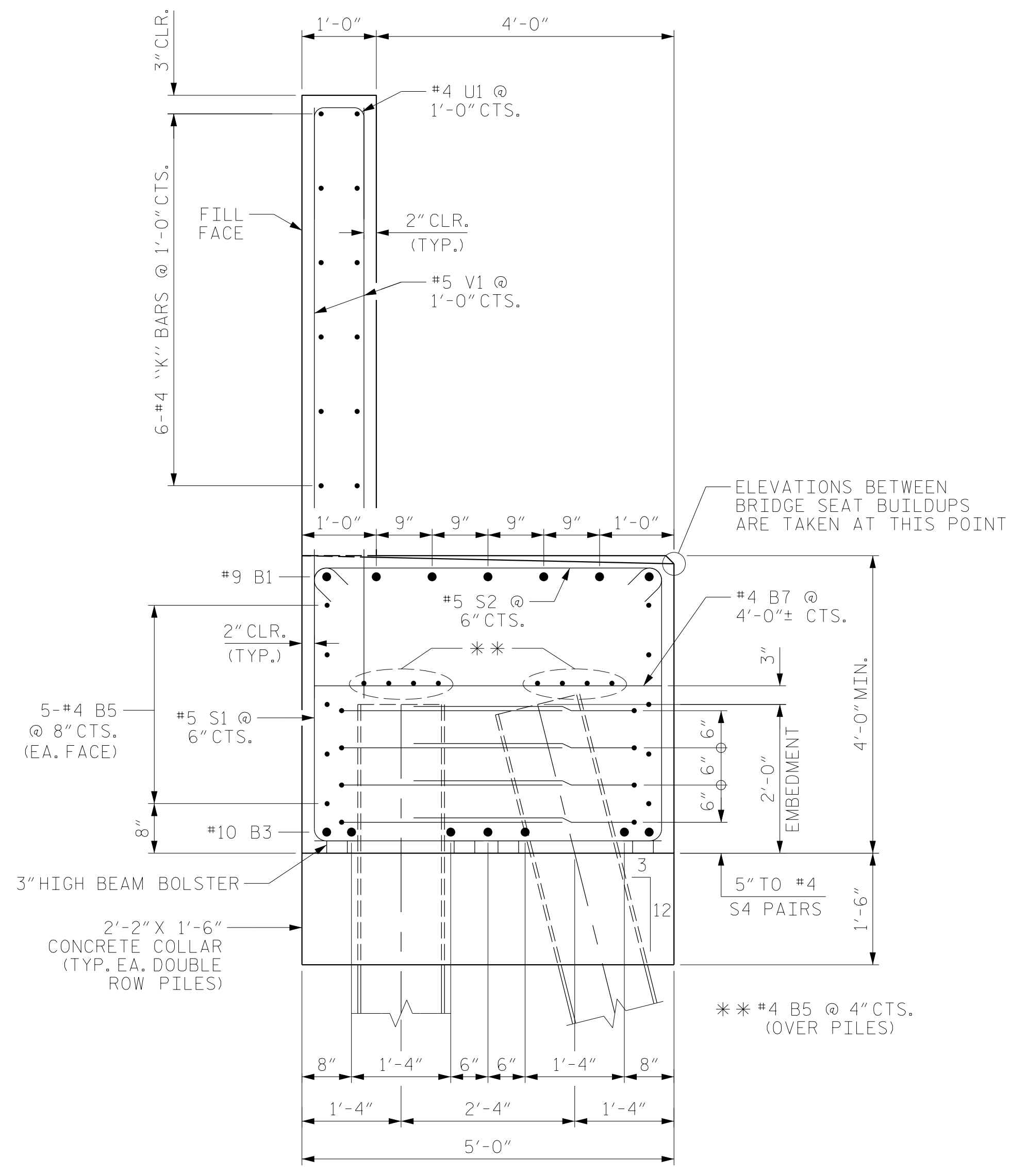
POUR #2
UPPER PART OF WINGS AND BACKWALL 17.8 C.Y.

TOTAL CLASS A CONCRETE 68.7 C.Y.

HP 14 X 73 STEEL PILES NO. 12 720.0 LIN. FT.

PILE DRIVING EQUIPMENT SETUP NO. 12 FOR HP 14X73 STEEL PILES

PILE REDRIVES (FOR ONE END BENT) NO. 6



PROJECT NO. U-5798A
CUMBERLAND COUNTY
STATION: 76+80.00 -L-

SHEET 3 OF 3

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH
SUBSTRUCTURE
END BENT 1
DETAILS
LEFT LANE

REVISIONS

NO.	BY:	DATE:	NO.	BY:	DATE:
1	NSC	03/2022	3		
2			4		

SHEET NO. S1-33
TOTAL SHEETS 43

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www.rsandh.com
North Carolina License No. 50737-F-0403-C-28

DRAWN BY : NSC DATE : 03/2020
CHECKED BY : MKO DATE : 04/2021
DESIGN ENGINEER OF RECORD: RLB DATE : 09/2021

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

REVISD HP 14X73 STEEL PILE COUNT AND LENGTH