

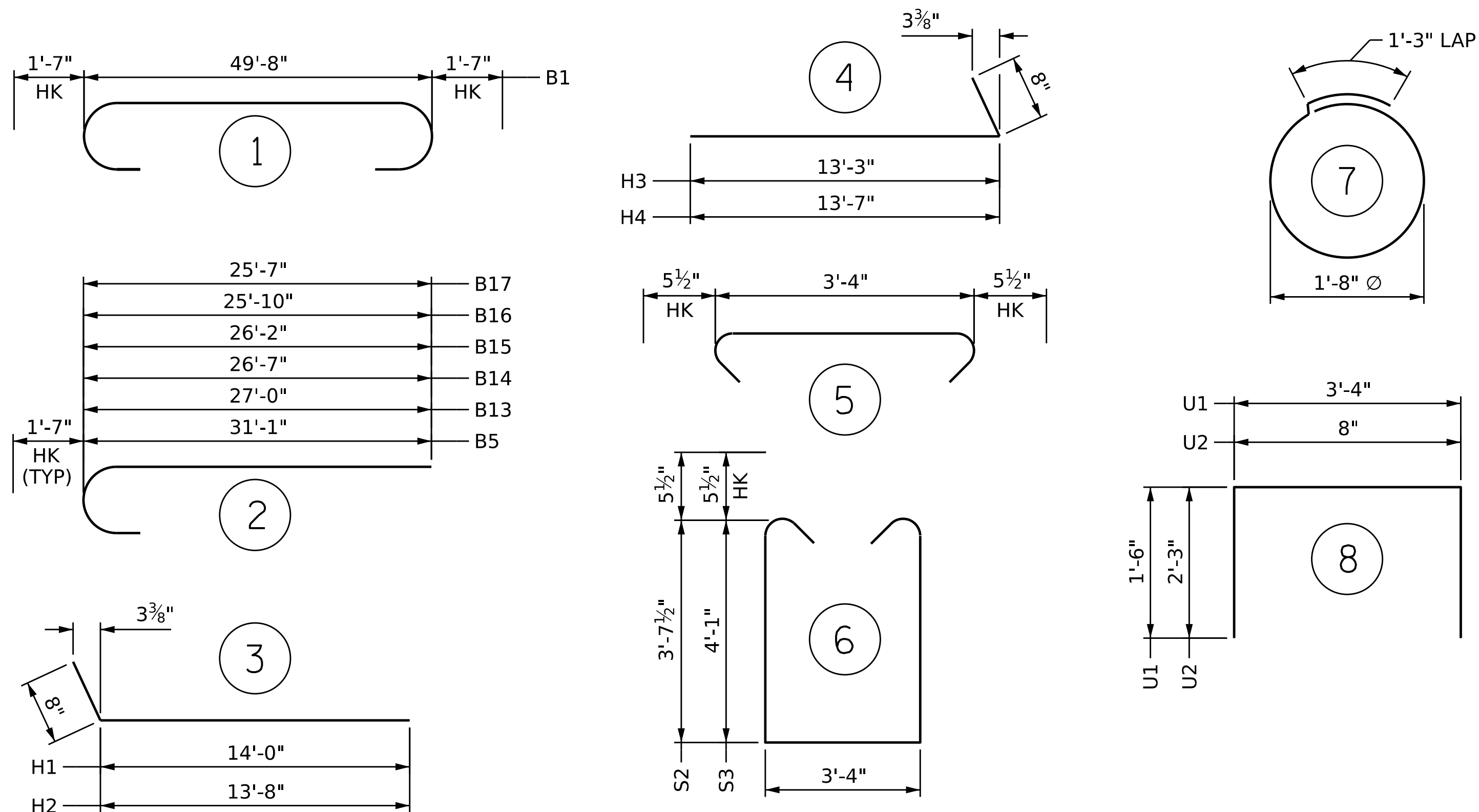
BAGGED STONE AND PIPE SHALL BE PLACED IMMEDIATELY AFTER COMPLETION OF END BENT EXCAVATION. PIPE MAY BE EITHER CONCRETE, CORRUGATED STEEL, CORRUGATED ALUMINUM ALLOY, OR CORRUGATED PLASTIC. PERFORATED PIPE WILL NOT BE ALLOWED.

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

BAR TYPES



BILL OF MATERIAL

END BENT 1

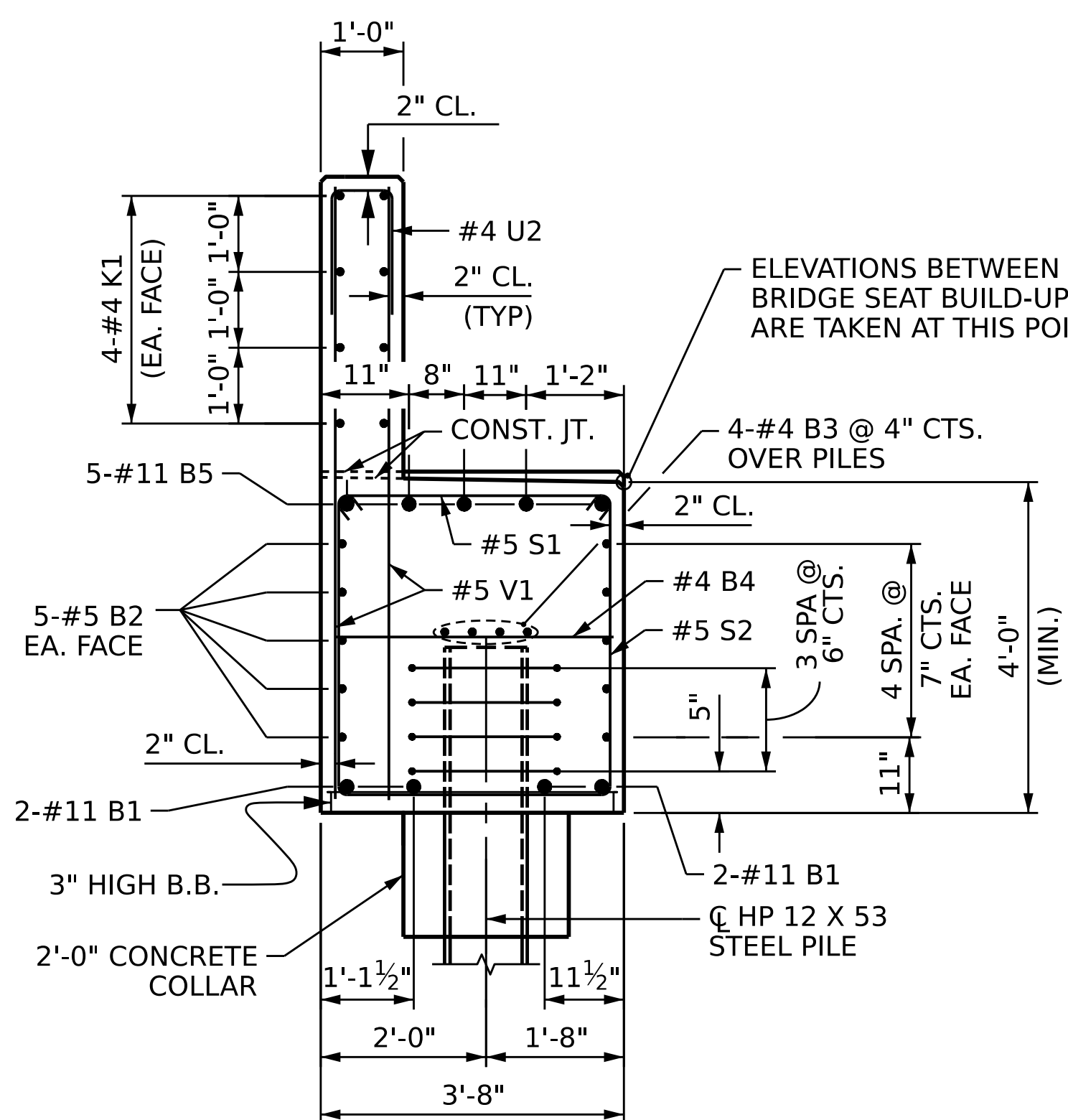
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	4	#11	1	52'-10"	1123
B2	10	#5	STR	49'-10"	520
B3	8	#4	STR	26'-2"	140
B4	16	#4	STR	3'-4"	36
B5	5	#11	2	32'-8"	868
B6	2	#5	STR	21'-10"	46
B7	10	#4	STR	3'-3"	22
B8	1	#4	STR	8'-8"	6
B9	1	#4	STR	8'-3"	6
B10	1	#4	STR	7'-10"	5
B11	1	#4	STR	7'-6"	5
B12	1	#4	STR	7'-3"	5
B13	1	#11	2	28'-7"	152
B14	1	#11	2	28'-2"	150
B15	1	#11	2	27'-9"	147
B16	1	#11	2	27'-5"	146
B17	1	#11	2	27'-2"	144
H1	19	#6	3	14'-8"	419
H2	19	#6	3	14'-4"	409
H3	21	#6	4	13'-11"	439
H4	21	#6	4	14'-3"	449
K1	16	#4	STR	26'-2"	280
K2	6	#4	STR	3'-9"	15
K3	6	#4	STR	3'-11"	16
S1	78	#5	5	4'-3"	346
S2	37	#5	6	11'-6"	444
S3	41	#5	6	12'-5"	531
S4	28	#4	7	6'-6"	122
U1	17	#4	8	6'-4"	72
U2	42	#4	8	5'-2"	145
V1	84	#5	STR	7'-3"	635
V2	44	#5	STR	9'-0"	413
V3	40	#5	STR	10'-0"	417

REINFORCING STEEL 8669 LBS.

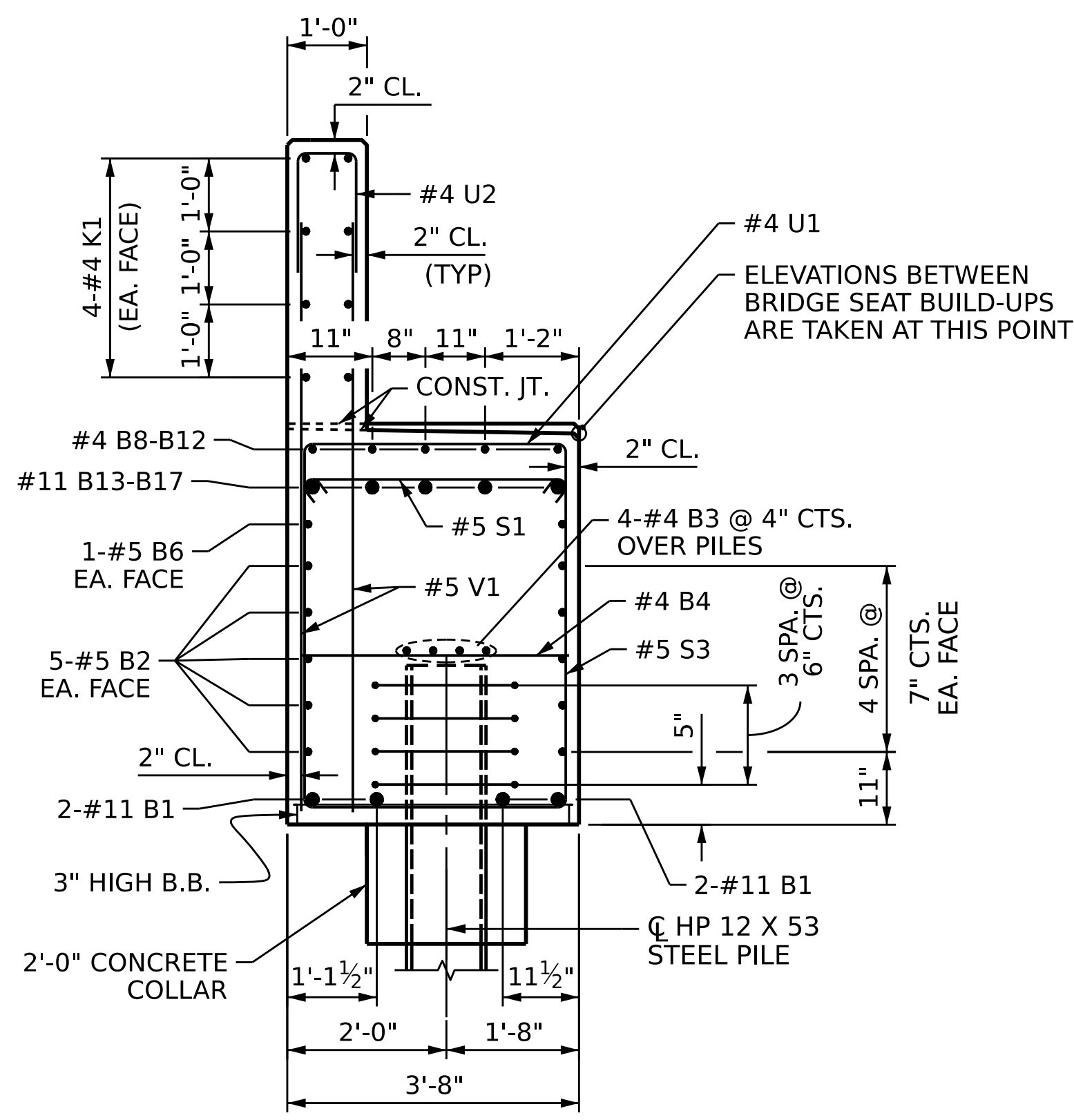
CLASS A CONCRETE
POUR #1 (CAP, COLLARS, & LOWER PART OF WINGS) 35.8 C.Y.

POUR #2 (BACKWALL & UPPER PART OF WINGS) 12.6 C.Y.

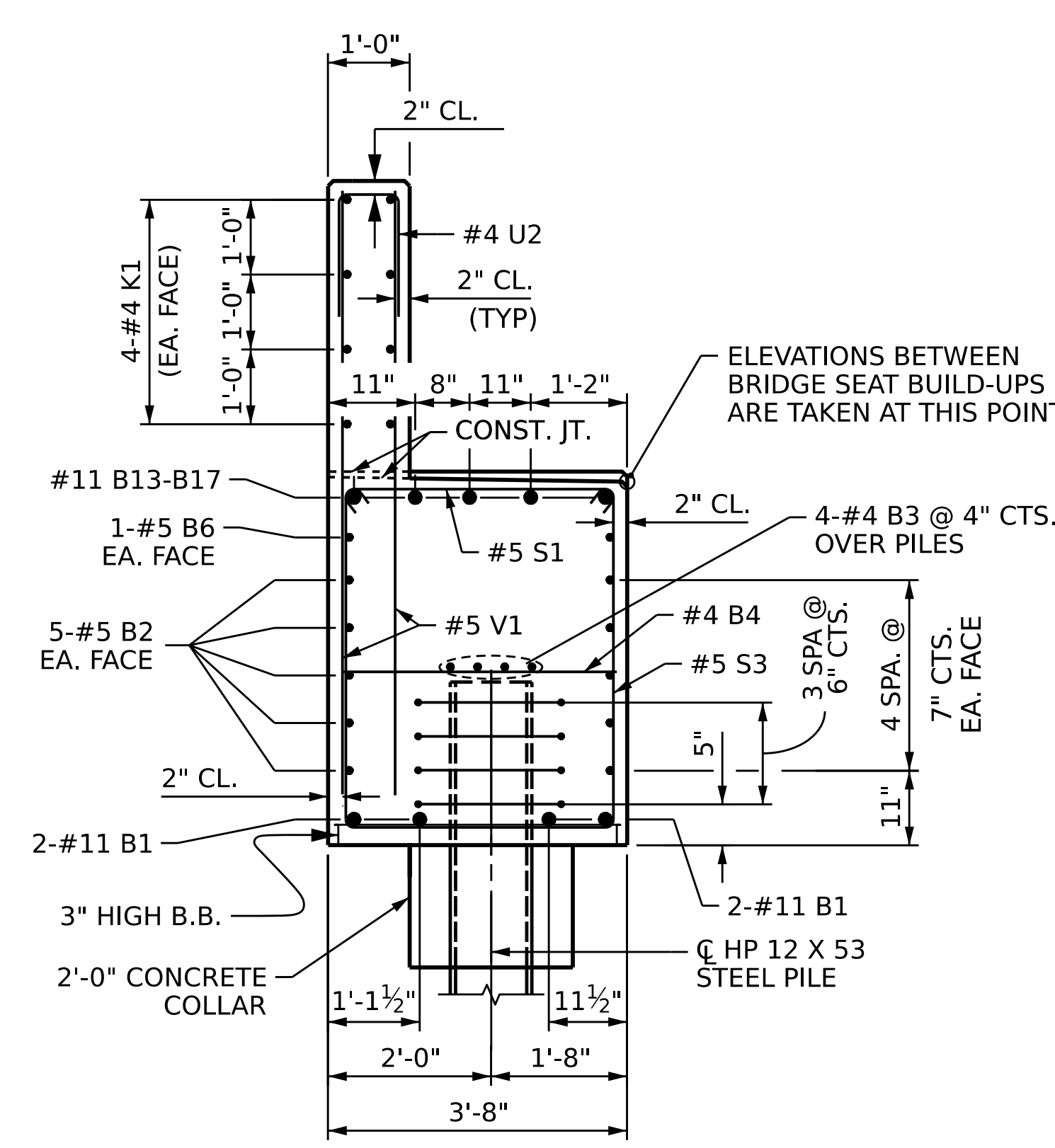
TOTAL CLASS A CONCRETE 48.4 C.Y.



SECTION A-A



SECTION B-B



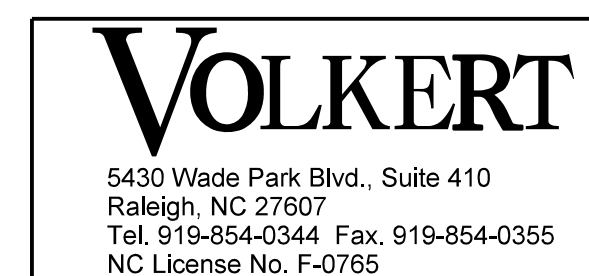
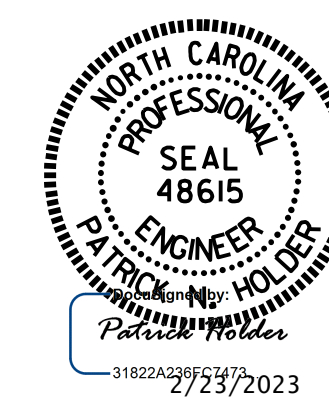
SECTION C-C

PROJECT NO. **BR-0073**
COLUMBUS COUNTY
STATION: **18+24.50 -L-**

SHEET 3 OF 3

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

**SUBSTRUCTURE
END BENT 1**



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

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

TOTAL SHEETS 38

DRAWN BY: B. H. BARNHILL DATE: 10/22
CHECKED BY: D. A. GLADDEN DATE: 11/22
DESIGN ENGINEER OF RECORD: P. N. HOLDER DATE: 11/22