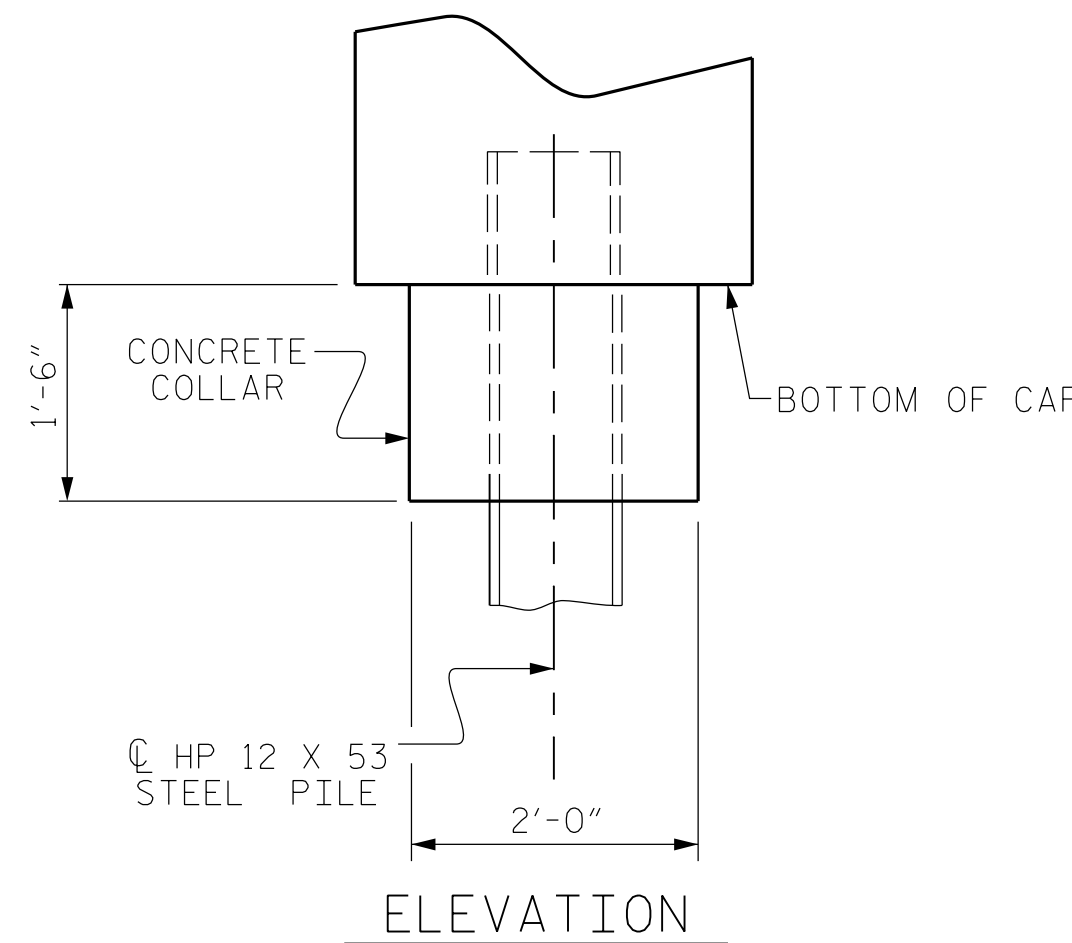
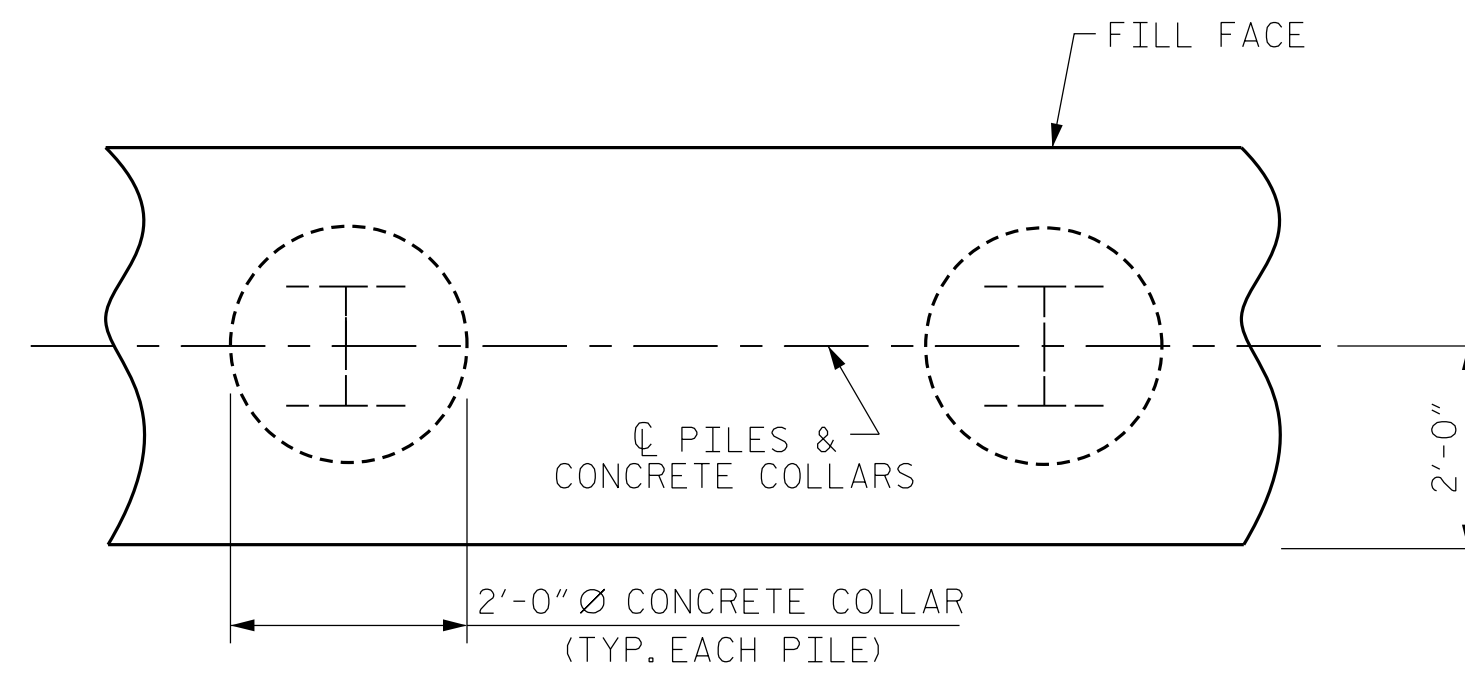


BAGGED STONE AND PIPE SHALL BE PLACED IMMEDIATELY AFTER COMPLETION OF END BENT EXCAVATION. PIPE MAY BE EITHER CONCRETE, CORRUGATED STEEL, CORRUGATED ALUMINUM ALLOY, OR CORRUGATED PLASTIC. PERFORATED PIPE WILL NOT BE ALLOWED.

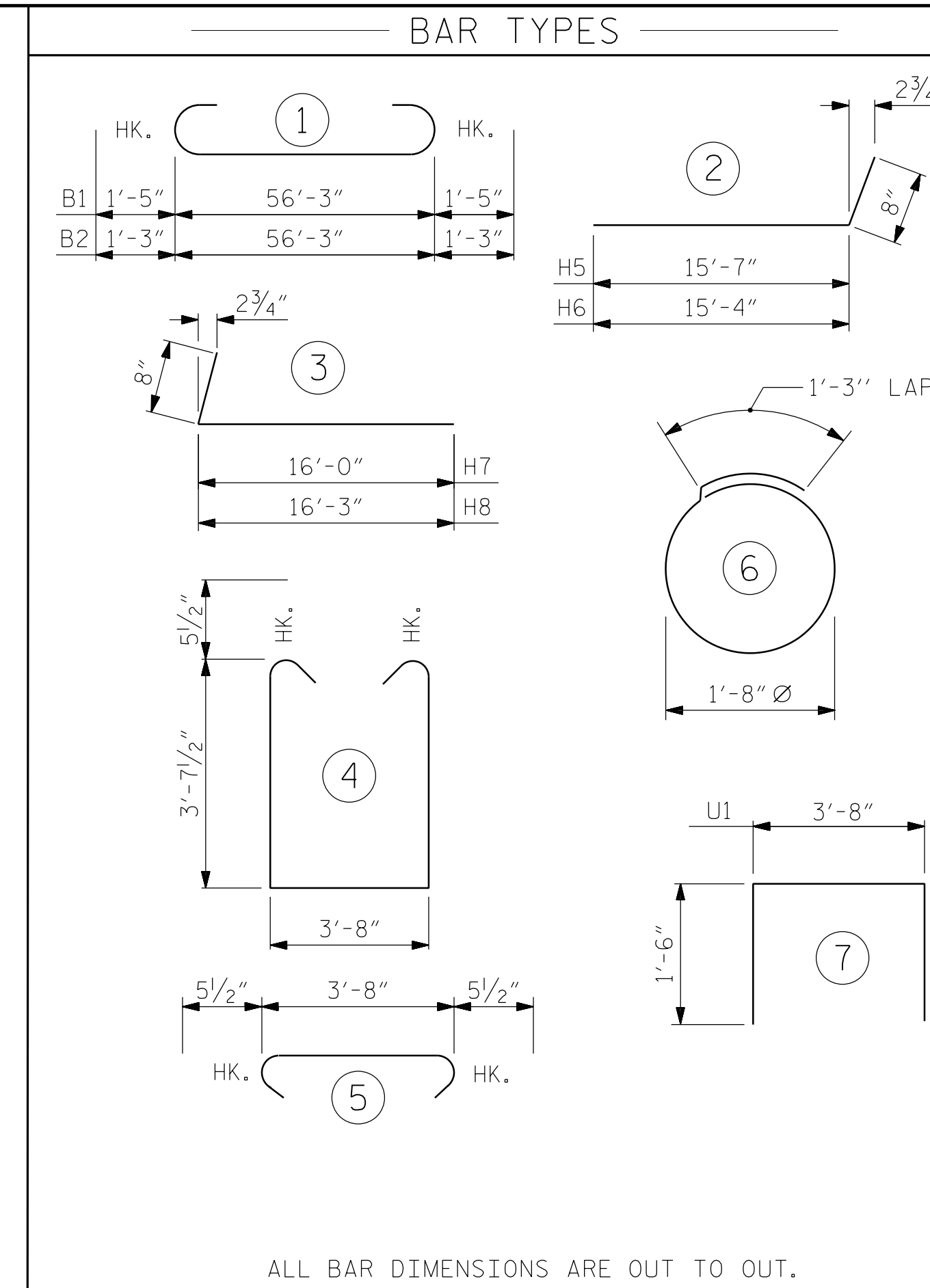
BAGGED STONE SHALL REMAIN IN PLACE UNTIL THE ENGINEER DIRECTS THAT IT BE REMOVED. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF SILT ACCUMULATIONS AT BAGGED STONE WHEN SO DIRECTED BY THE ENGINEER. BAGS SHALL BE REMOVED AND REPLACED WHENEVER THE ENGINEER DETERMINES THAT THEY HAVE DETERIORATED AND LOST THEIR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



CORROSION PROTECTION FOR STEEL PILES DETAIL



BILL OF MATERIAL FOR END BENT #2					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	4	#10	1	59'-1"	1,017
B2	5	#9	1	58'-9"	999
B3	8	#5	STR	56'-5"	471
B4	8	#4	STR	29'-5"	157
B5	14	#4	STR	3'-8"	34
B6	5	#4	STR	9'-10"	33
B7	5	#4	STR	31'-10"	106
H5	8	#6	2	16'-3"	195
H6	8	#6	2	16'-0"	192
H7	9	#6	3	16'-8"	225
H8	9	#6	3	16'-11"	229
S1	68	#5	4	11'-10"	839
S2	68	#5	5	4'-7"	325
S3	36	#4	6	6'-6"	156
U1	29	#4	7	6'-8"	129
V1	88	#5	STR	6'-6"	597
V2	28	#5	STR	6'-3"	183
V3	29	#5	STR	6'-8"	202

REINFORCING STEEL (FOR END BENT #2) 6,089 LBS.

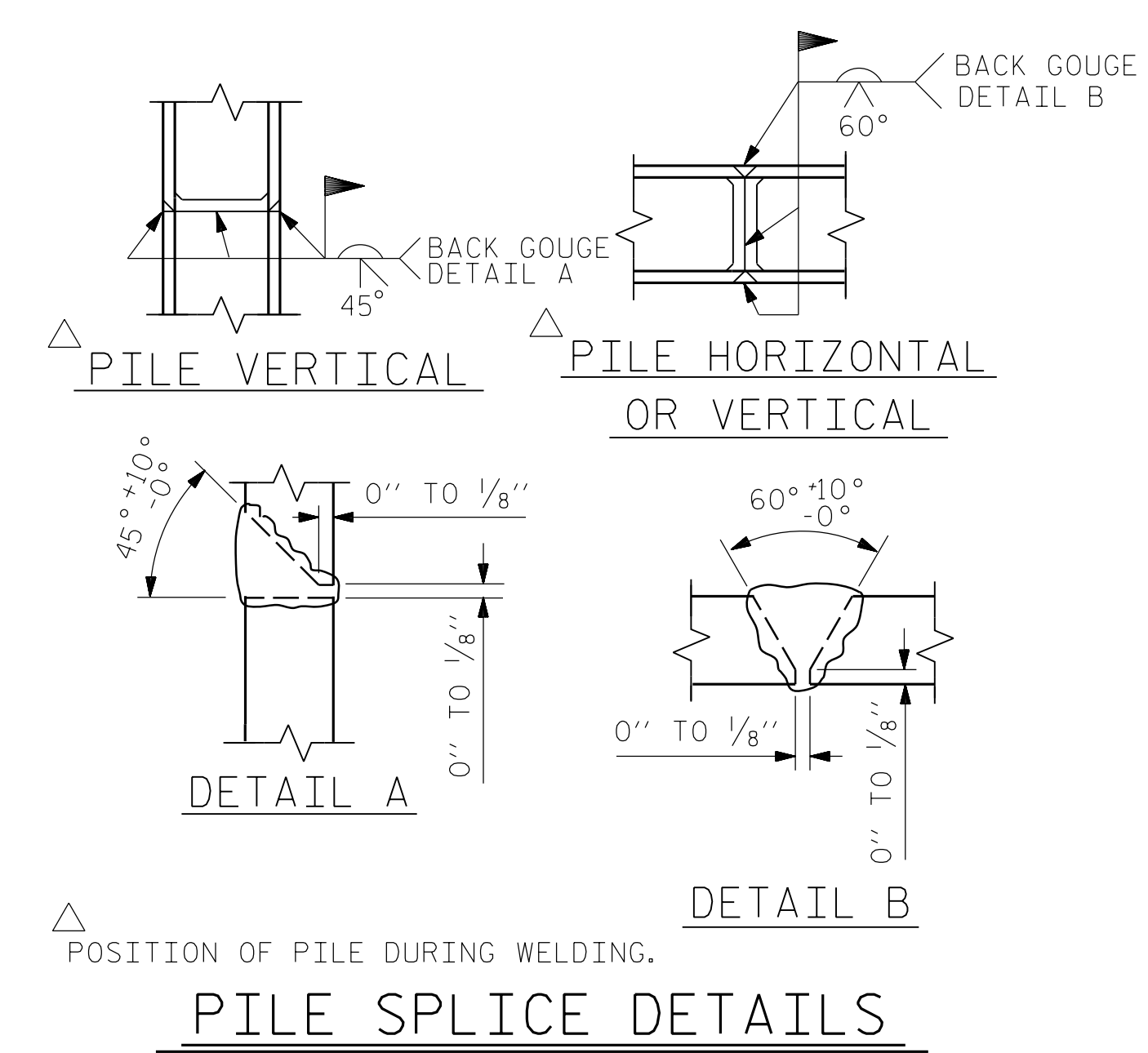
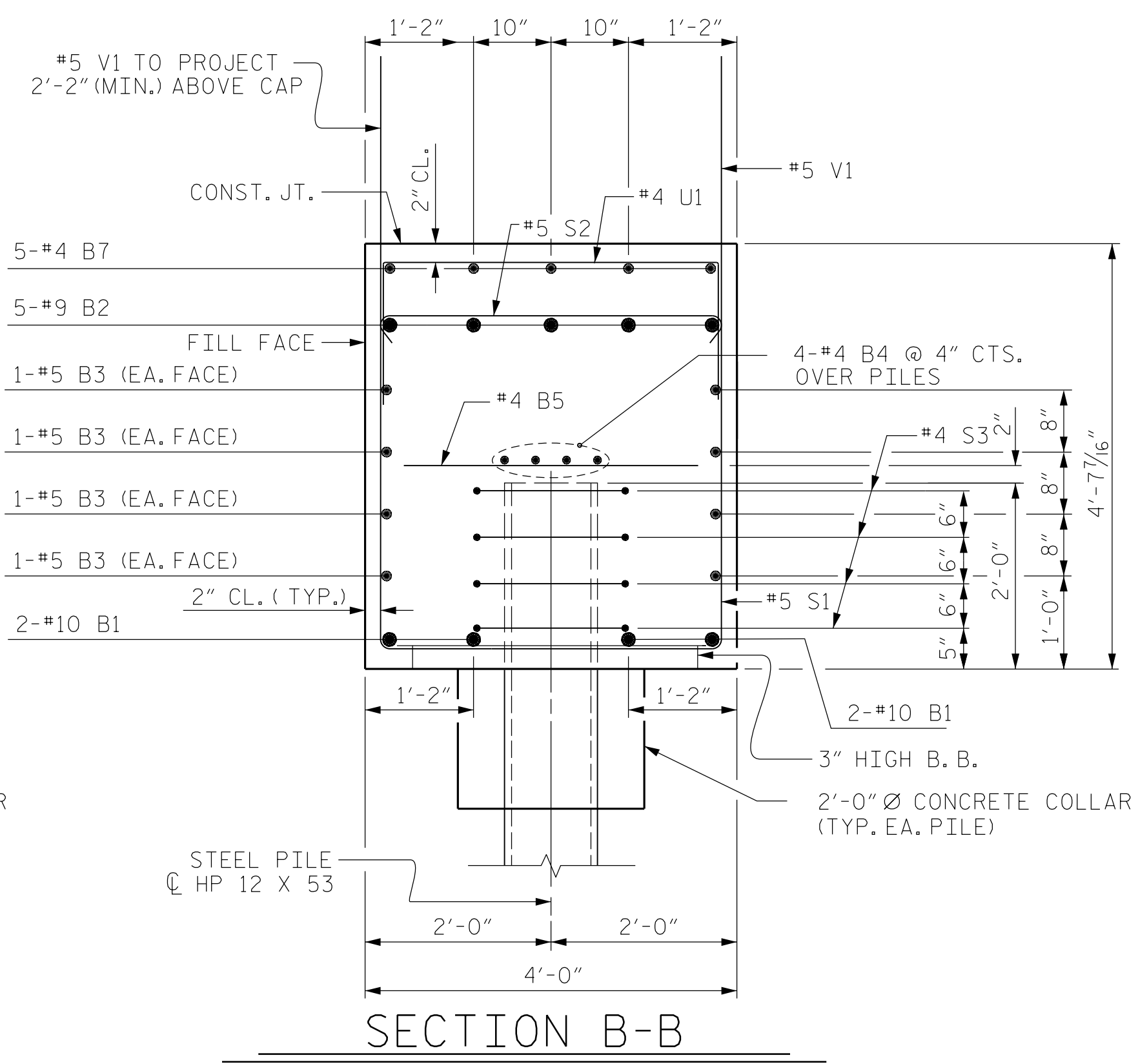
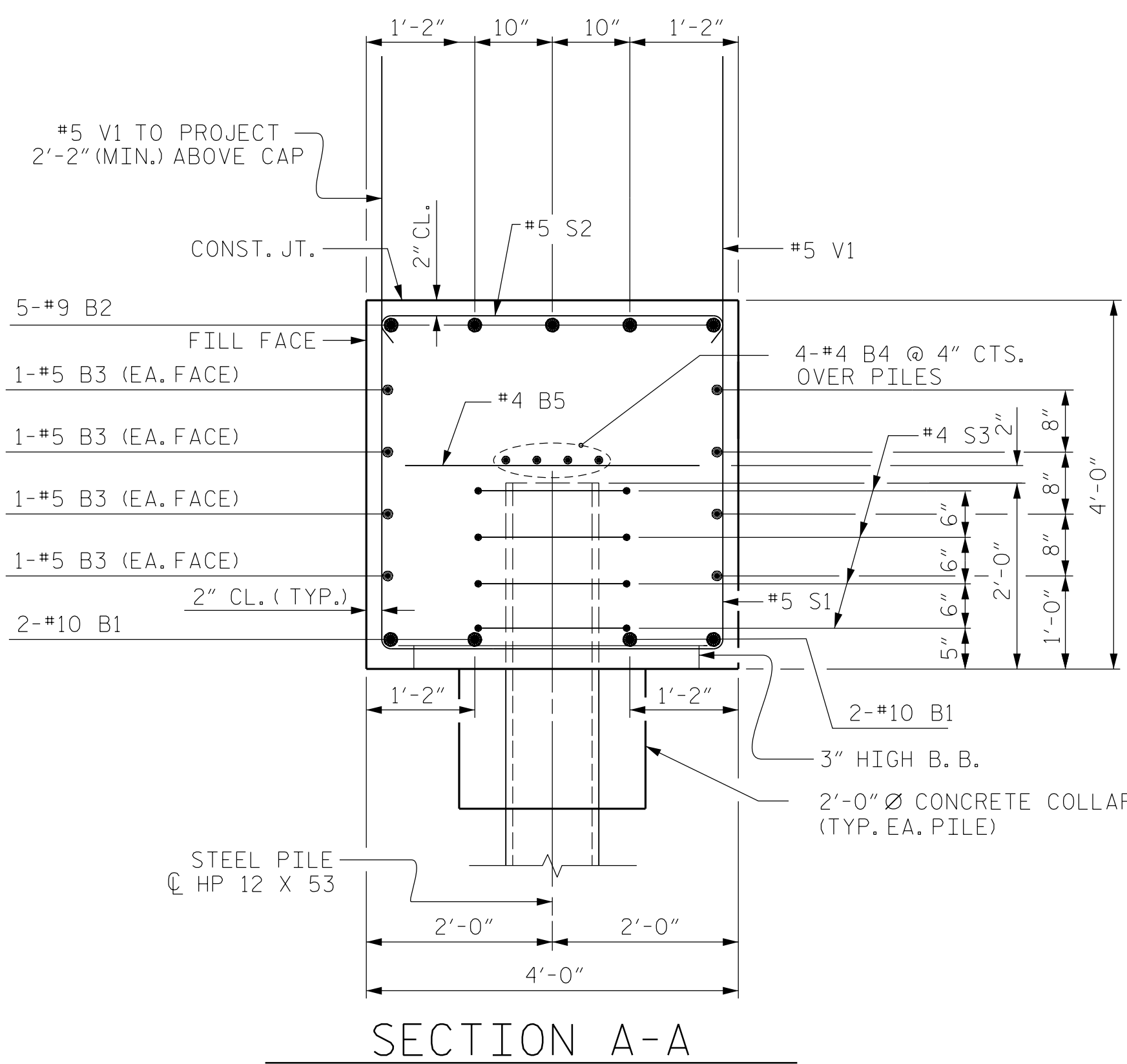
CLASS A CONCRETE BREAKDOWN (FOR END BENT #2)

POUR #1 CAP, COLLARS & LOWER PART OF WINGS 42.0 C.Y.

TOTAL CLASS A CONCRETE 42.0 C.Y.

HP 12 X 53 STEEL PILES NO: 9
LIN. FT. = 450

PILE DRIVING EQUIPMENT SETUP FOR HP 12 X 53 STEEL PILES NO: 9



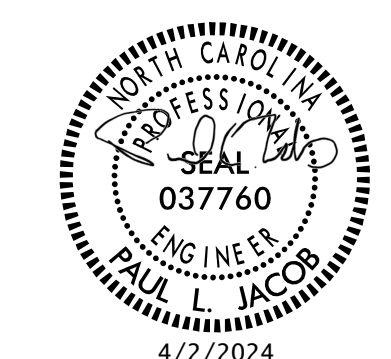
PROJECT NO. BR-0069

CASWELL COUNTY

STATION: 20+18.00 -L-

SHEET 3 OF 3

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH
SUBSTRUCTURE
INTEGRAL END BENT 2
DETAILS



DRAWN BY : J. WEIGER DATE : 6-2023

CHECKED BY : J. LOFTUS DATE : 8-2023

DESIGN ENGINEER OF RECORD : J. LOFTUS DATE : 3-2024

moffatt & nichol
4700 FALLS OF NEUSE ROAD, SUITE 300
RALEIGH, NORTH CAROLINA 27609
(919) 781-4626 VOICE (919) 781-4869 FAX
NC License NO.: F-0105

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

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

TOTAL SHEETS 38

3/20/2024 03:19:10 PM \\1091\BR-0069\Structure\01-CADD\02-Final Drawings\01_067_BR0069_SMLJ.E203_034_160001.dgn jloftus