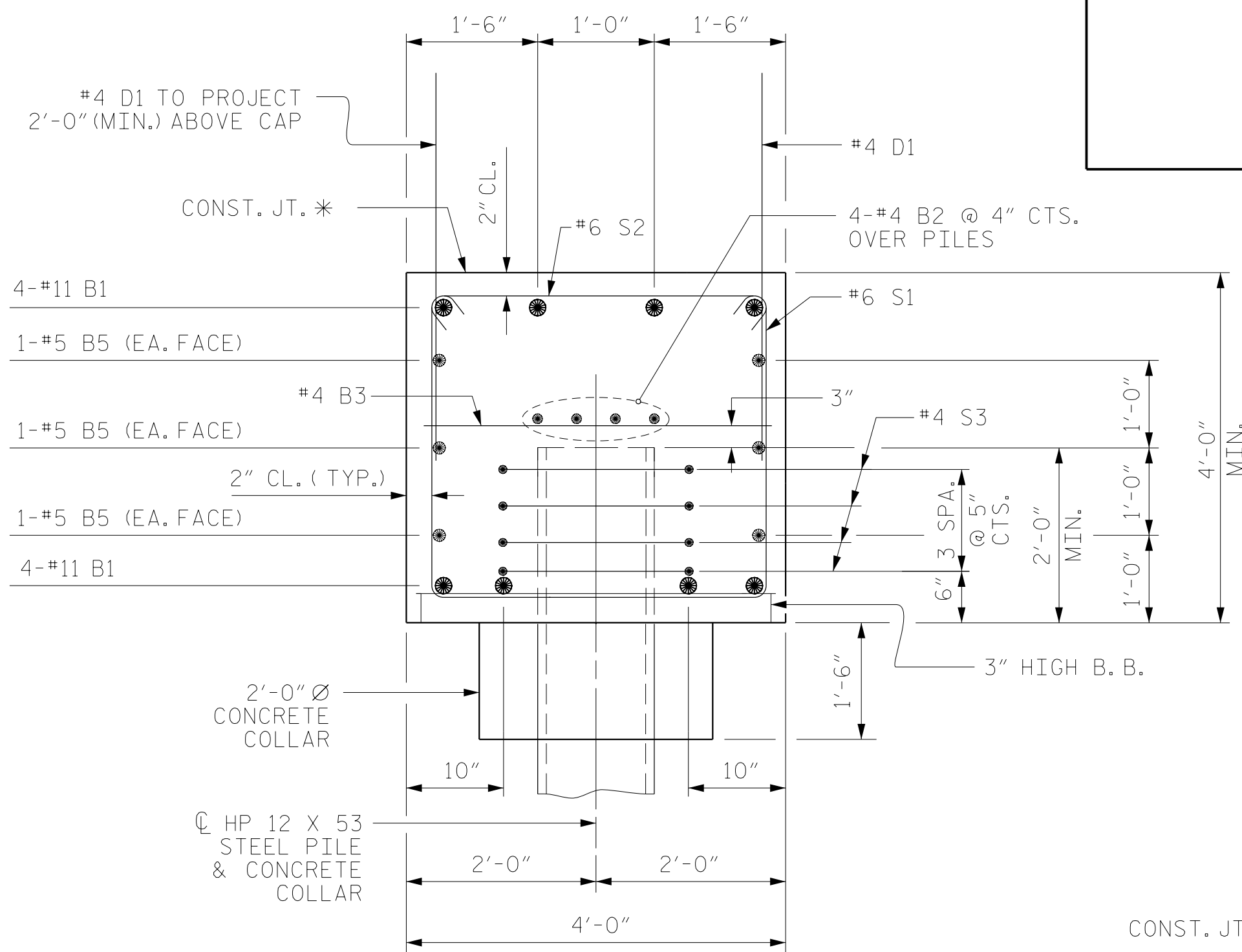


BAGGED STONE AND PIPE SHALL BE PLACED IMMEDIATELY AFTER COMPLETION OF END BENT EXCAVATION. PIPE MAY BE EITHER CONCRETE, CORRUGATED STEEL, CORRUGATED ALUMINUM ALLOY, OR CORRUGATED PLASTIC. PERFORATED PIPE WILL NOT BE ALLOWED.

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.

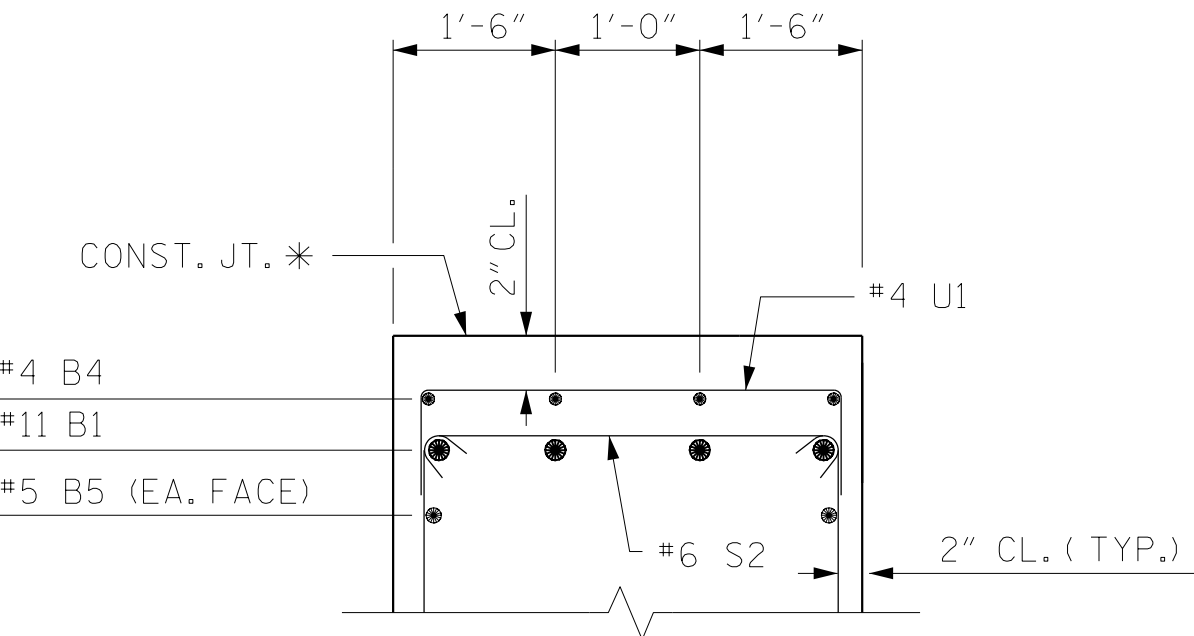
NO SEPARATE PAYMENT WILL BE MADE FOR THIS WORK AND THE ENTIRE COST OF THIS WORK SHALL BE INCLUDED IN THE UNIT CONTRACT PRICE BID FOR THE SEVERAL PAY ITEMS.

TEMPORARY DRAINAGE AT END BENT



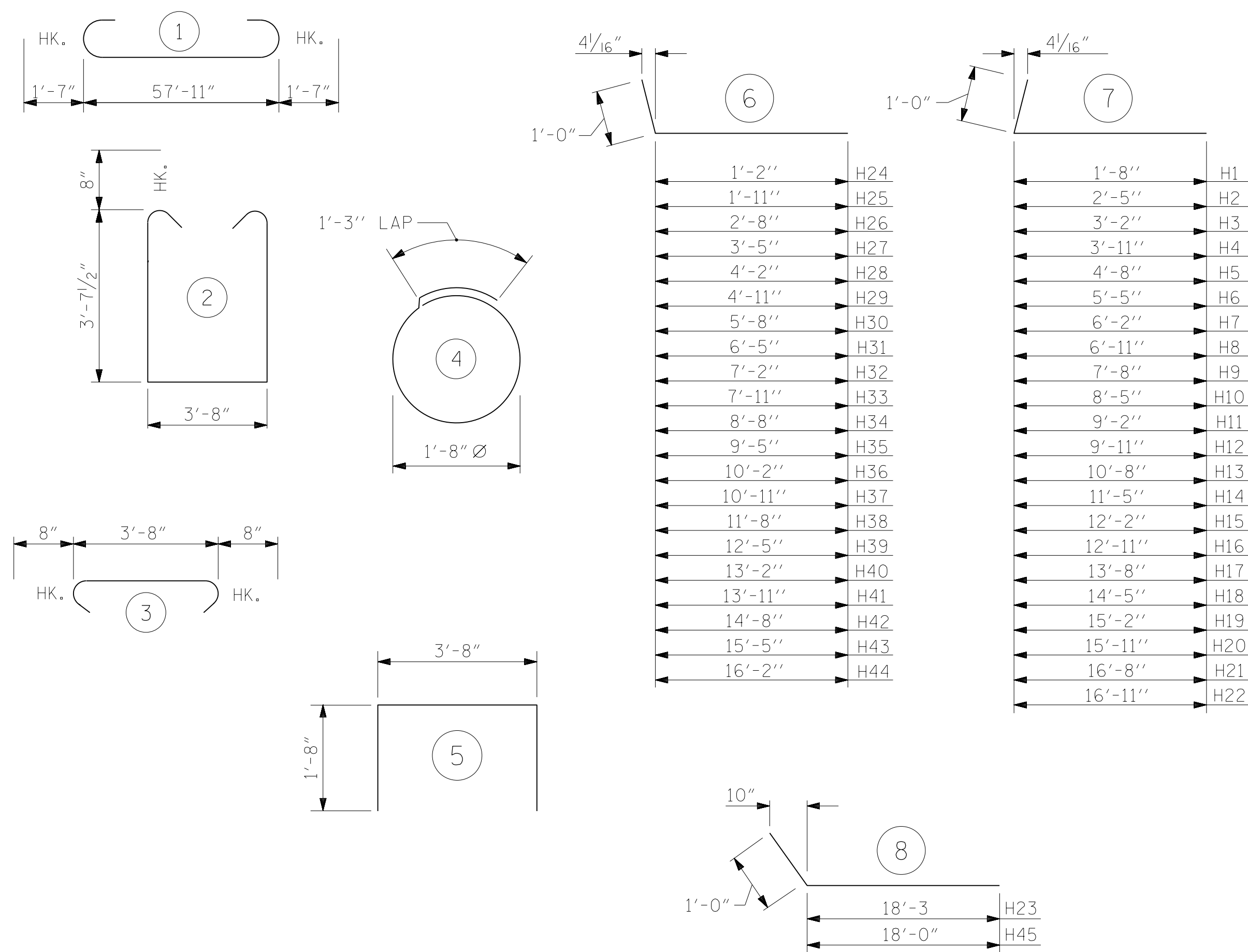
SECTION A-A

* THE TOP SURFACE OF THE END BENT CAP & WINGS, EXCLUDING THE BEARING AREA, SHALL BE RAKED TO A DEPTH OF 1/4\".

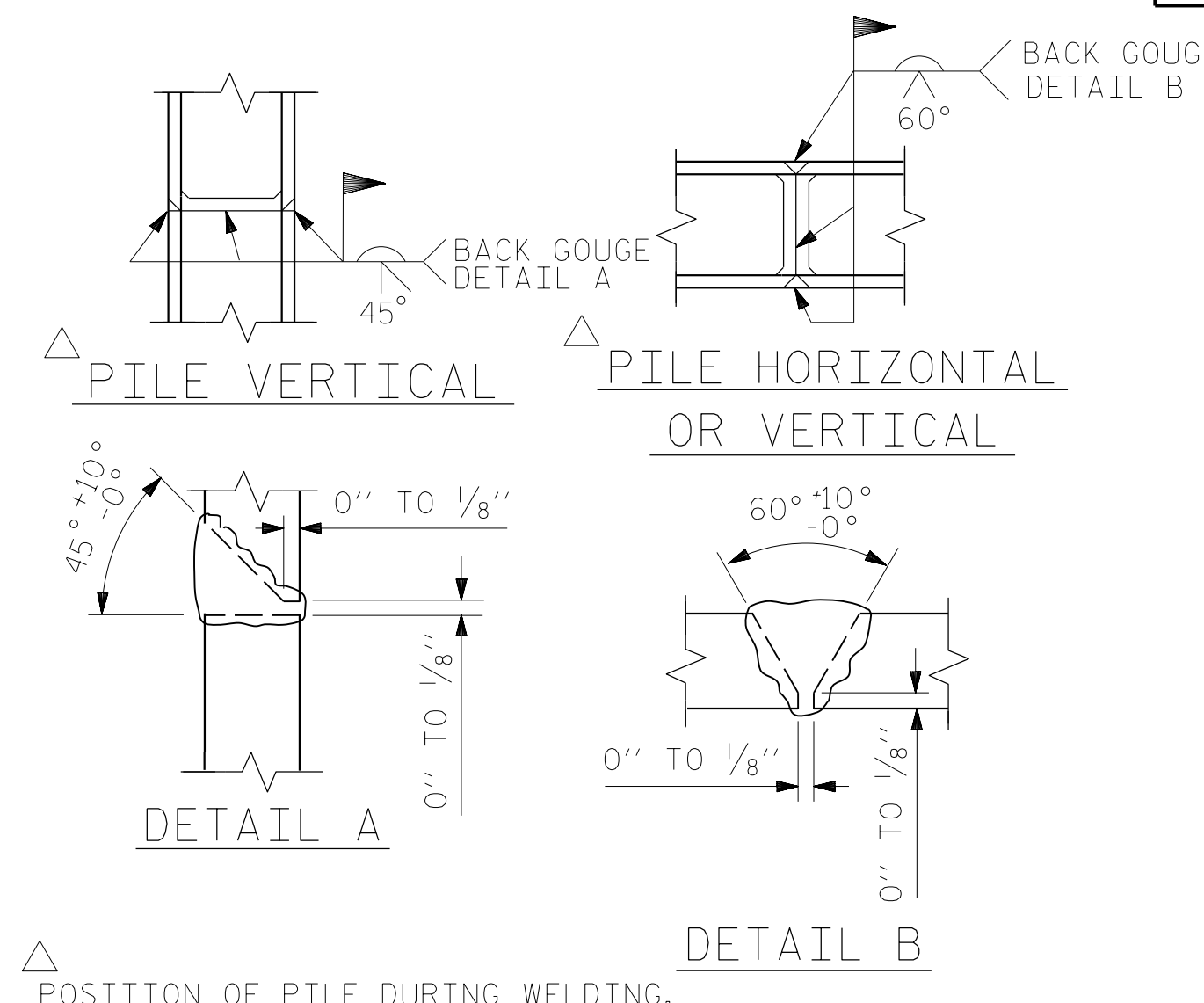


PARTIAL SECTION B-B

BAR TYPES



ALL BAR DIMENSIONS ARE OUT TO OUT.



PILE SPLICE DETAILS

BILL OF MATERIAL

END BENT NO. 1

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT	BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	8	#11	1	61'-11"	2596	H42	2	#6	6	15'-8"	47
B2	8	#4	STR	29'-0"	155	H43	2	#6	6	16'-5"	49
B3	14	#4	STR	3'-8"	34	H44	8	#6	6	17'-2"	206
B4	4	#4	STR	10'-0"	27	H45	2	#6	8	19'-0"	57
B5	6	#5	STR	57'-11"	362						
						K1	16	#4	STR	2'-8"	29
						K2	16	#4	STR	2'-8"	29
H1	2	#6	7	2'-8"	8	S1	85	#6	2	12'-3"	1564
H2	2	#6	7	3'-5"	10	S2	85	#6	3	5'-0"	638
H3	2	#6	7	4'-2"	13	S3	48	#4	4	6'-6"	208
H4	2	#6	7	4'-11"	15						
H5	2	#6	7	5'-8"	17	U1	7	#4	5	7'-0"	33
H6	2	#6	7	6'-5"	19						
H7	2	#6	7	7'-2"	22	V1	14	#6	STR	11'-11"	251
H8	2	#6	7	7'-11"	24	V2	4	#6	STR	11'-7"	70
H9	2	#6	7	8'-8"	26	V3	4	#6	STR	11'-3"	68
H10	2	#6	7	9'-5"	28	V4	4	#6	STR	10'-11"	66
H11	2	#6	7	10'-2"	31	V5	4	#6	STR	10'-7"	64
H12	2	#6	7	10'-11"	33	V6	4	#6	STR	10'-3"	62
H13	2	#6	7	11'-8"	35	V7	4	#6	STR	9'-11"	60
H14	2	#6	7	12'-5"	37	V8	4	#6	STR	9'-7"	58
H15	2	#6	7	13'-2"	40	V9	4	#6	STR	9'-3"	56
H16	2	#6	7	13'-11"	42	V10	4	#6	STR	8'-11"	54
H17	2	#6	7	14'-8"	44	V11	4	#6	STR	8'-7"	52
H18	2	#6	7	15'-5"	46	V12	4	#6	STR	8'-3"	50
H19	2	#6	7	16'-2"	49	V13	8	#6	STR	7'-7"	91
H20	2	#6	7	16'-11"	51	V14	4	#6	STR	7'-3"	44
H21	2	#6	7	17'-8"	53	V15	4	#6	STR	6'-11"	42
H22	8	#6	7	17'-11"	215	V16	4	#6	STR	6'-7"	40
H23	2	#6	8	19'-3"	58	V17	4	#6	STR	6'-3"	38
H24	2	#6	6	2'-2"	7	V18	4	#6	STR	5'-11"	36
H25	2	#6	6	2'-11"	9	V19	4	#6	STR	5'-7"	34
H26	2	#6	6	3'-8"	11	V20	4	#6	STR	5'-3"	32
H27	2	#6	6	4'-5"	13	V21	4	#6	STR	4'-11"	30
H28	2	#6	6	5'-2"	16	V22	4	#6	STR	4'-7"	28
H29	2	#6	6	5'-11"	18	V23	4	#6	STR	4'-3"	26
H30	2	#6	6	6'-8"	20	V24	4	#6	STR	3'-11"	24
H31	2	#6	6	7'-5"	22	V25	4	#6	STR	3'-7"	22
H32	2	#6	6	8'-2"	25	V26	4	#6	STR	3'-3"	20
H33	2	#6	6	8'-11"	27	V27	4	#6	STR	2'-11"	18
H34	2	#6	6	9'-8"	29	V28	4	#6	STR	2'-7"	16
H35	2	#6	6	10'-5"	31	V29	4	#6	STR	2'-3"	14
H36	2	#6	6	11'-2"	34	V30	4	#6	STR	2'-0"	12
H37	2	#6	6	11'-11"	36	V31	12	#6	STR	11'-8"	210
H38	2	#6	6	12'-8"	38						
H39	2	#6	6	13'-5"	40						
H40	2	#6	6	14'-2"	43						
H41	2	#6	6	14'-11"	45						

REINFORCING STEEL	9,348 LBS.
CLASS A CONCRETE	
POUR #1	
CAP, CONCRETE COLLARS & LOWER PART OF WINGS	40.9 C. Y.
POUR #2	
UPPER PART OF WINGS	11.3 C. Y.
TOTAL	52.2 C. Y.
HP 12 X 53 STEEL PILES	
NO. 12	480 LIN. FT.
STEEL PILE POINTS	NO.: 12

PROJECT NO. R-2707C
CLEVELAND COUNTY
 STATION: 384+50.00 -L-

SHEET 4 OF 4

3/9/2017
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REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S1-26
1			3			TOTAL SHEETS
2			4			36

DRAWN BY :	MAL	DATE :	11/2016
CHECKED BY :	JMR	DATE :	12/2016
DESIGN ENGINEER OF RECORD:	MAL	DATE :	11/2016

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED