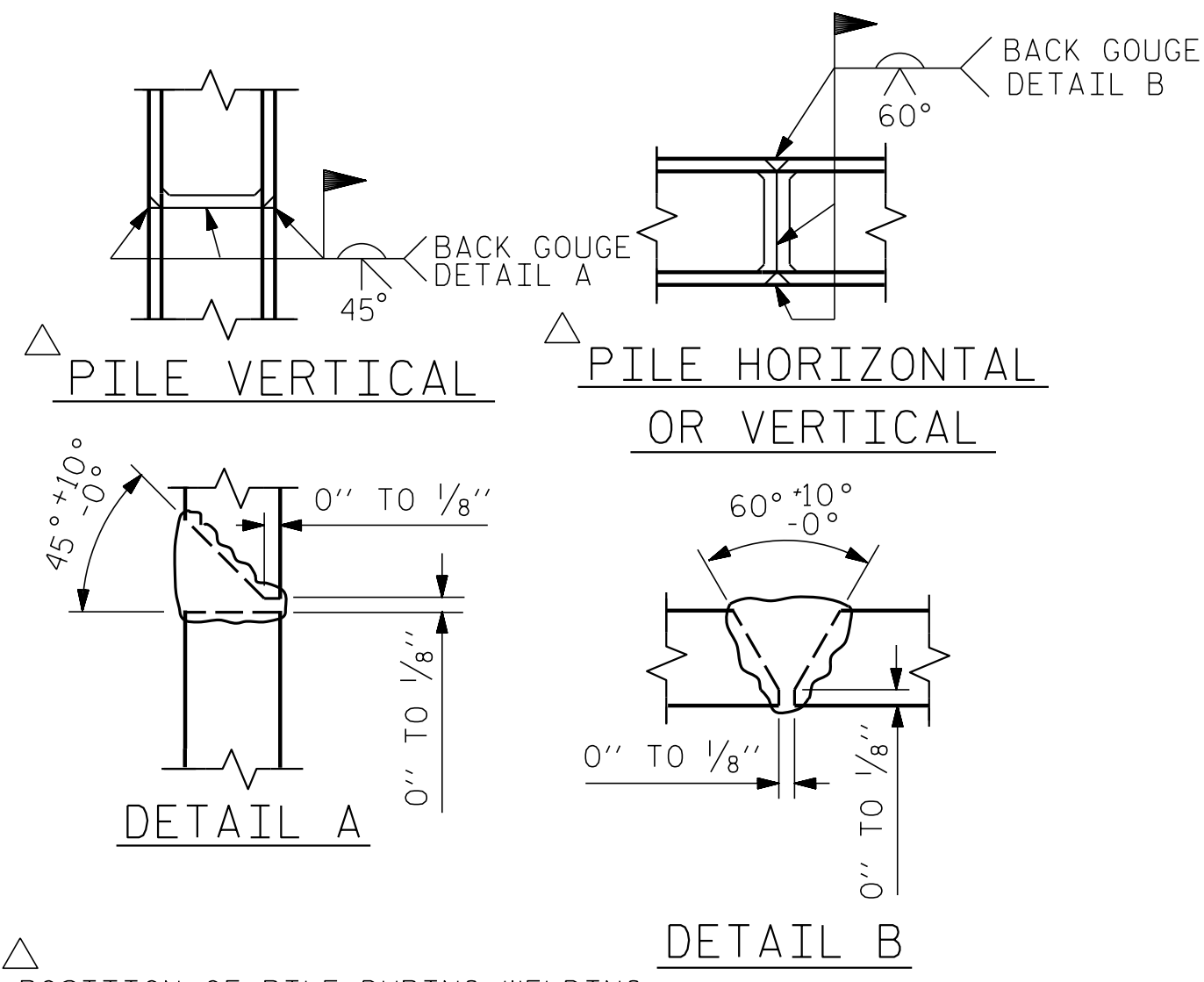


BAGGED STONE AND PIPE SHALL BE PLACED IMMEDIATELY AFTER COMPLETION OF END BENT EXCAVATION. PIPE MAY BE EITHER CONCRETE, CORRUGATED STEEL, CORRUGATED ALUMINUM ALLOY, OR CORRUGATED PLASTIC. PERFORATED PIPE WILL NOT BE ALLOWED.

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.

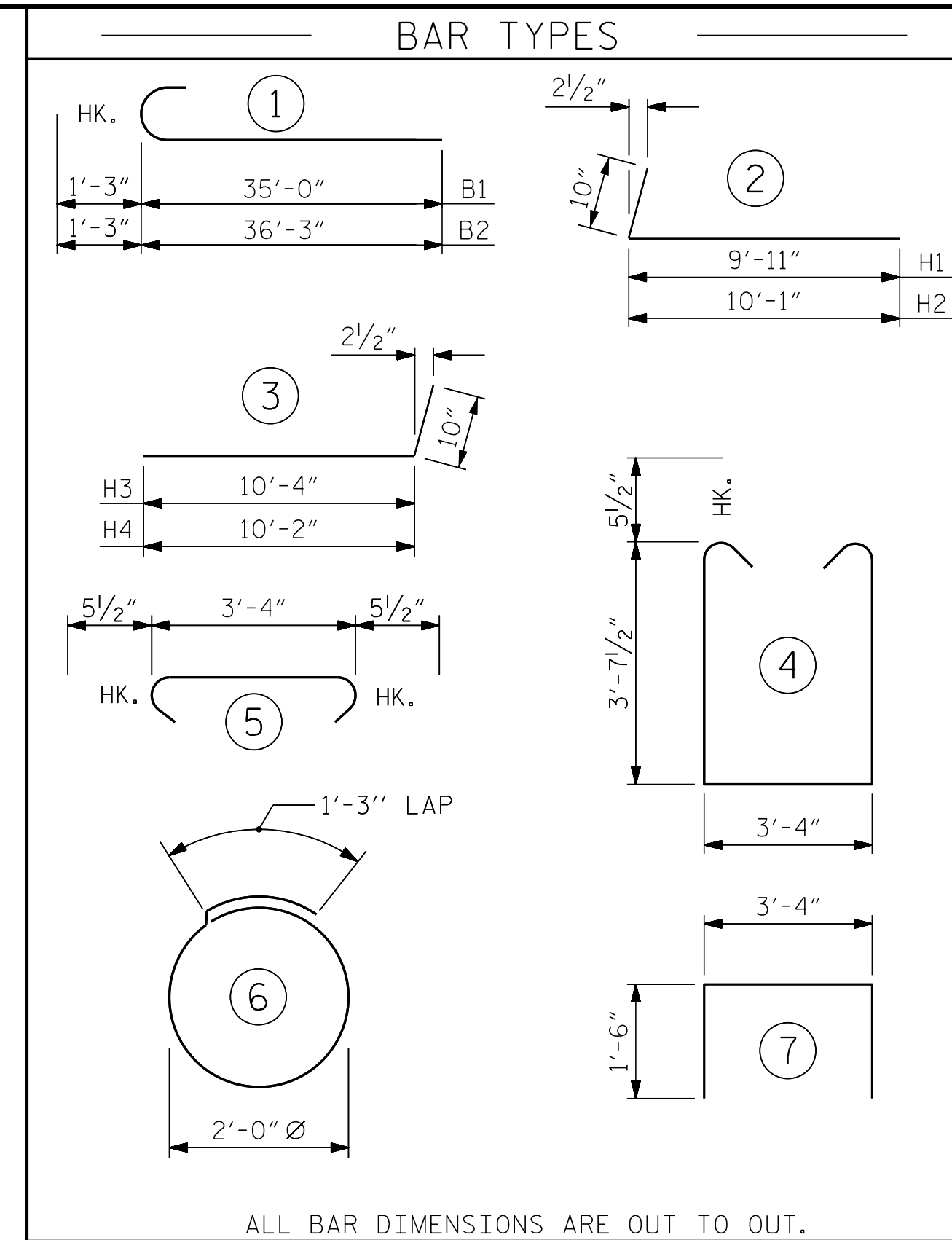
NO SEPARATE PAYMENT WILL BE MADE FOR THIS WORK AND THE ENTIRE COST OF THIS WORK SHALL BE INCLUDED IN THE UNIT CONTRACT PRICE BID FOR THE SEVERAL PAY ITEMS.

TEMPORARY DRAINAGE AT END BENT



PILE SPLICE DETAILS

POSITION OF PILE DURING WELDING.



ALL BAR DIMENSIONS ARE OUT TO OUT.

BILL OF MATERIAL

END BENT No. 1

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	8	#9	1	36'-3"	986
B2	8	#9	1	37'-6"	1020
B3	12	#5	STR	33'-6"	419
B4	12	#4	STR	22'-11"	184
B5	16	#4	STR	3'-4"	36
B6	8	#4	STR	9'-10"	53
B7	4	#4	STR	13'-8"	37
H1	14	#5	2	10'-9"	157
H2	14	#5	2	10'-11"	159
H3	14	#5	3	11'-2"	163
H4	14	#5	3	11'-0"	161
H5	32	#4	STR	3'-5"	73
S1	84	#5	4	11'-6"	1008
S2	84	#5	5	4'-3"	372
S3	44	#4	6	7'-7"	223
V1	102	#4	STR	6'-5"	437
V2	60	#4	STR	9'-5"	377
U1	23	#4	7	6'-4"	97

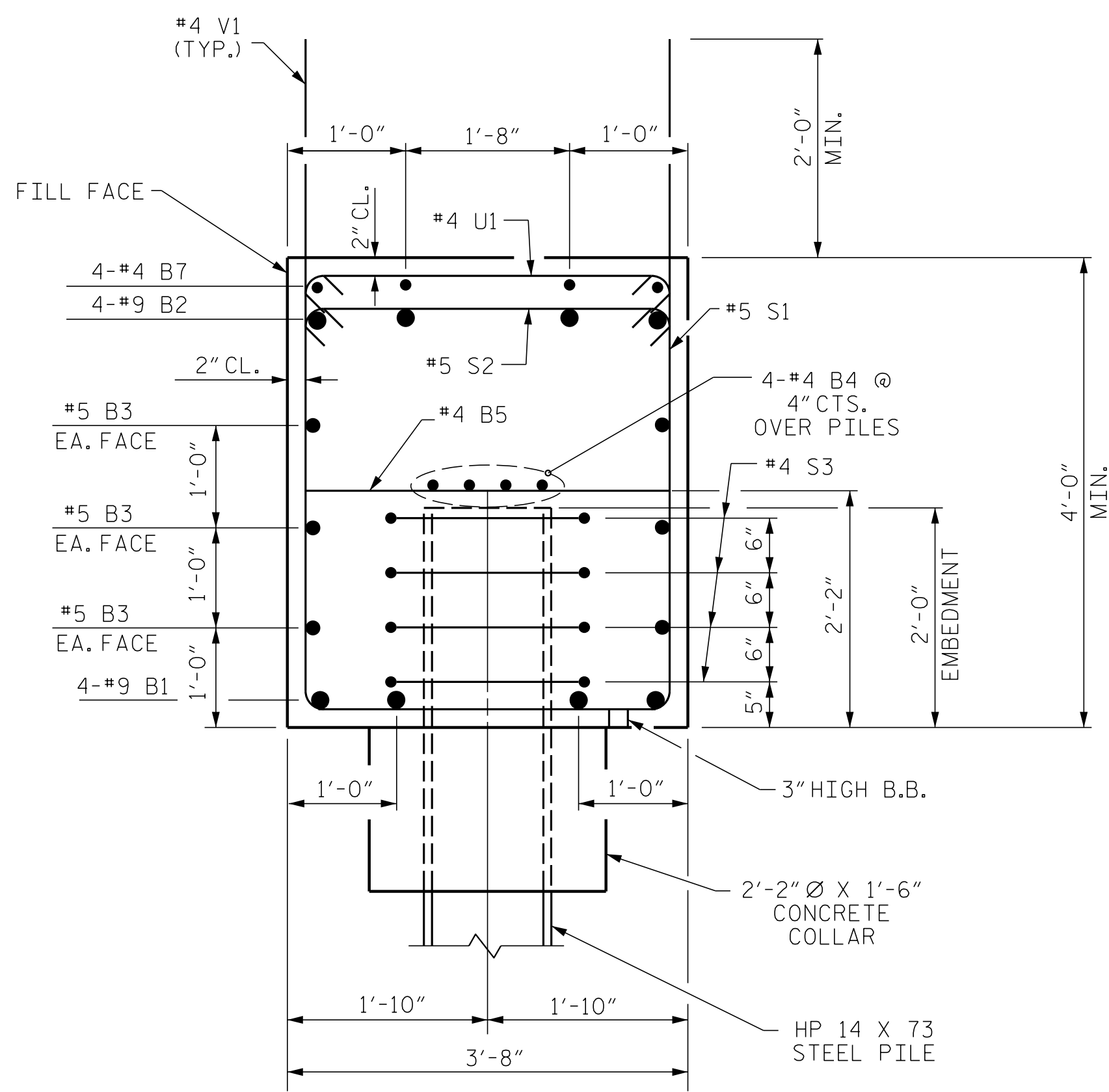
REINFORCING STEEL 5,962 LBS.

CLASS A CONCRETE BREAKDOWN

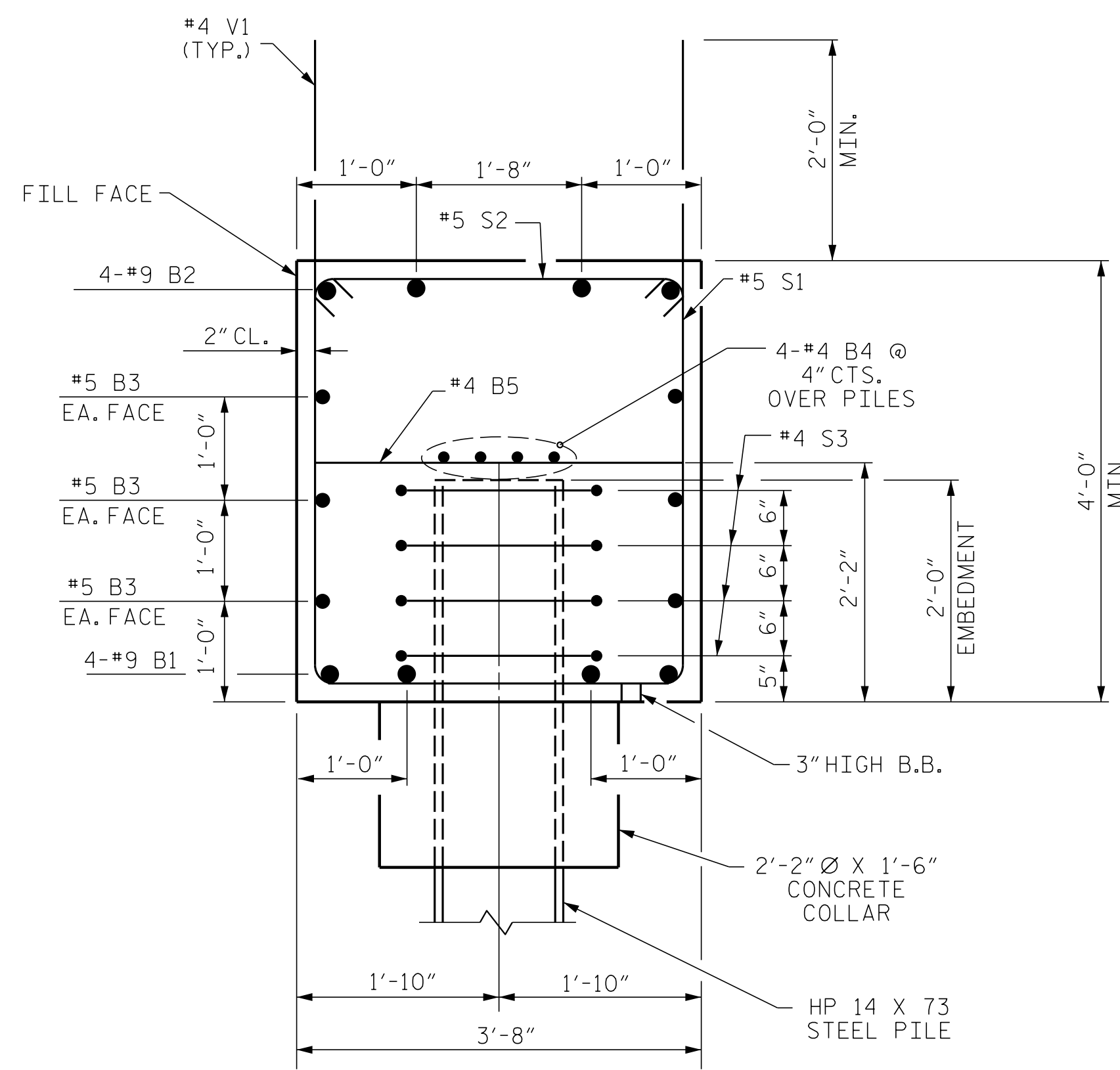
POUR #1	CAP, CONC. COLLARS & LOWER PART OF WINGS	42.1 C.Y.
POUR #2	UPPER PART OF WINGS	5.7 C.Y.
TOTAL CLASS A CONCRETE		47.8 C.Y.

HP 14 X 73 STEEL PILES
NO: 11 LIN. FT.= 632

PILE DRIVING EQUIPMENT SET UP FOR HP 14 X 73 STEEL PILES
11 EA.

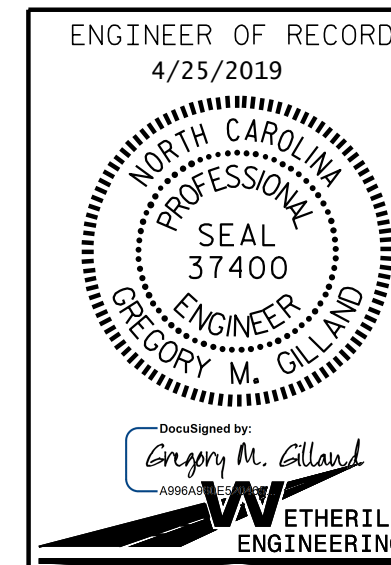


SECTION A-A



SECTION B-B

PROJECT NO. W-5600
JOHNSTON COUNTY
STATION: 27+01.91 -Y7-
SHEET 3 OF 3



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

**SUBSTRUCTURE
END BENT No. 1**

REVISIONS

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

SHEET NO.	
S3-23	TOTAL SHEETS 32

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

DRAWN BY: D. HODGE DATE: 1/18
CHECKED BY: G.M. GILLAND DATE: 2/18

P:\2017\1712\101-W-5600-USTO-Structures\DGMA-Y7- over -L-W-5600-XT-EB-WE I.dgn 4/25/2019 11:10:35 AM