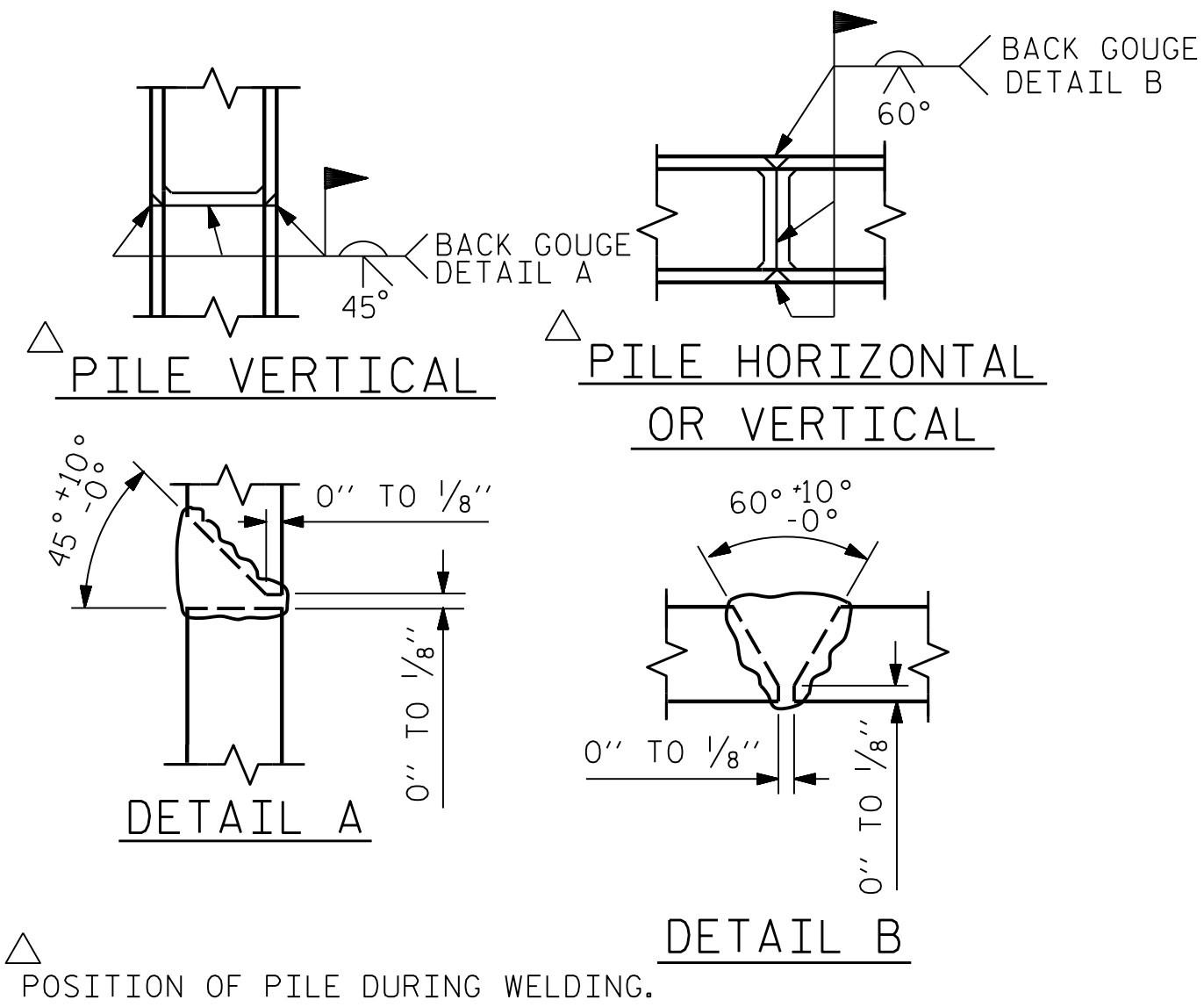


BAGGED STONE AND PIPE SHALL BE PLACED IMMEDIATELY AFTER COMPLETION OF END BENT EXCAVATION. PIPE MAY BE EITHER CONCRETE, CORRUGATED STEEL, CORRUGATED ALUMINUM ALLOY, OR CORRUGATED PLASTIC. PERFORATED PIPE WILL NOT BE ALLOWED.

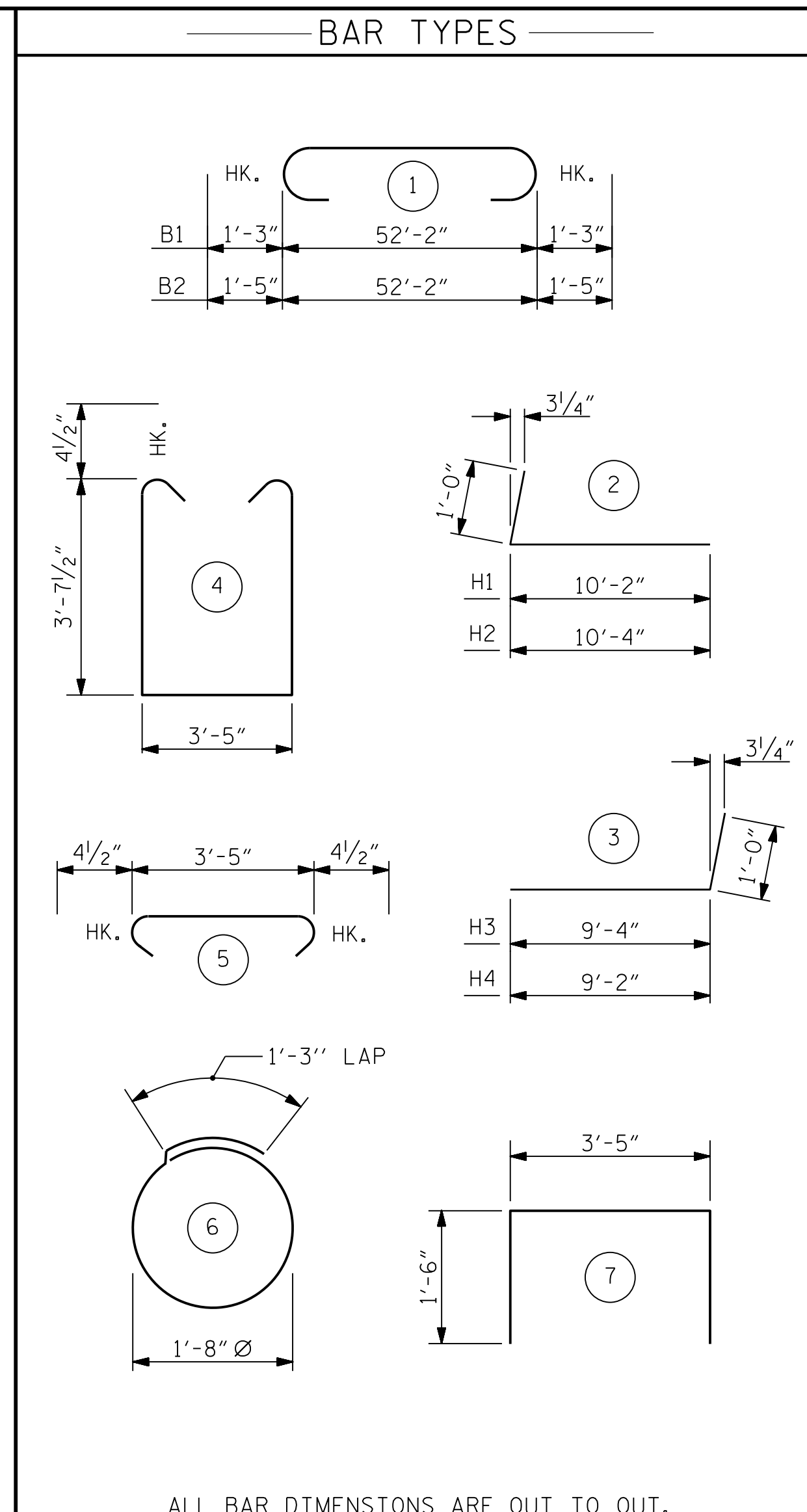
BAGGED STONE SHALL REMAIN IN PLACE UNTIL THE ENGINEER DIRECTS THAT IT BE REMOVED. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF SILT ACCUMULATIONS AT BAGGED STONE WHEN SO DIRECTED BY THE ENGINEER. BAGS SHALL BE REMOVED AND REPLACED WHENEVER THE ENGINEER DETERMINES THAT THEY HAVE DETERIORATED AND LOST THEIR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

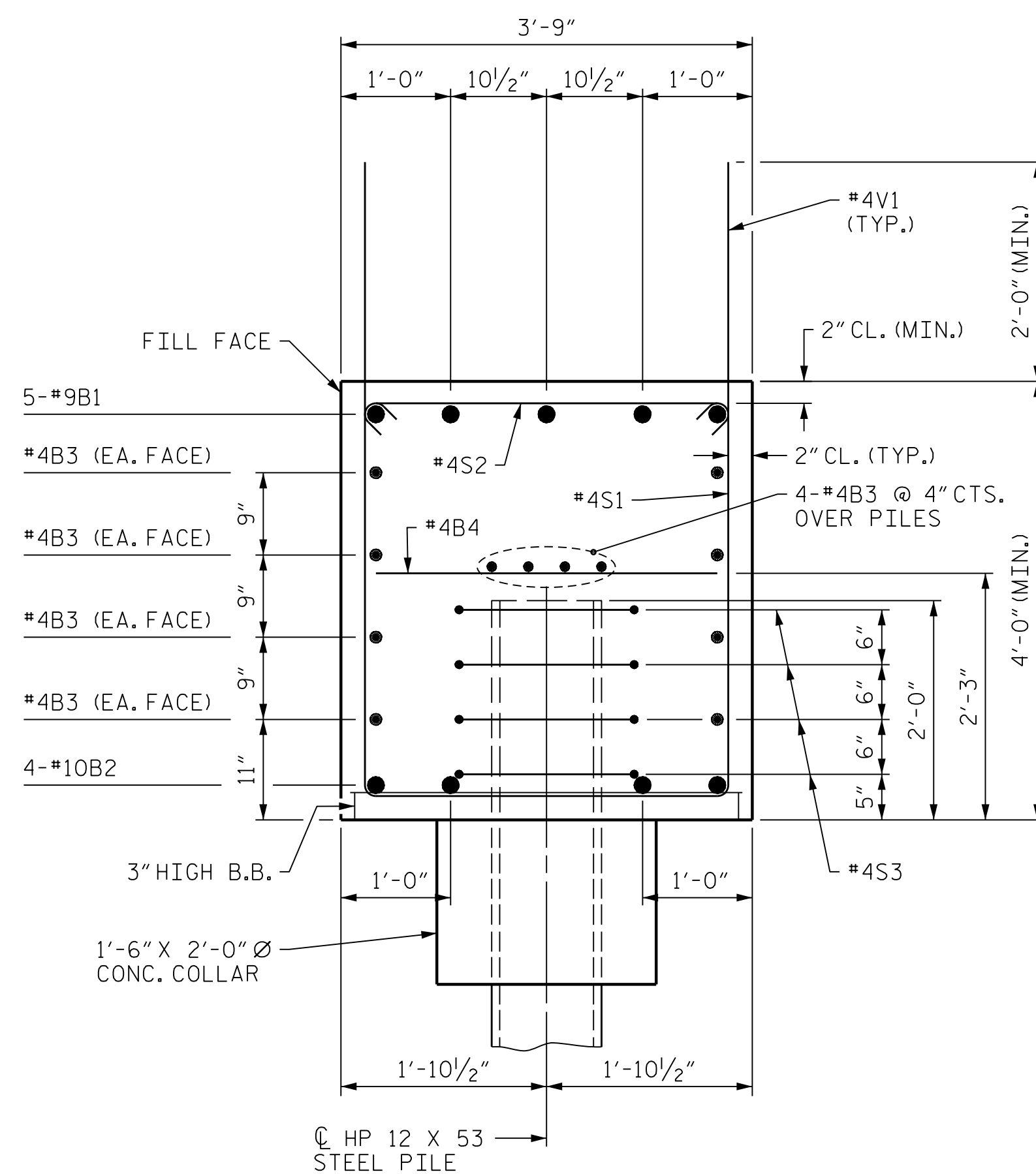
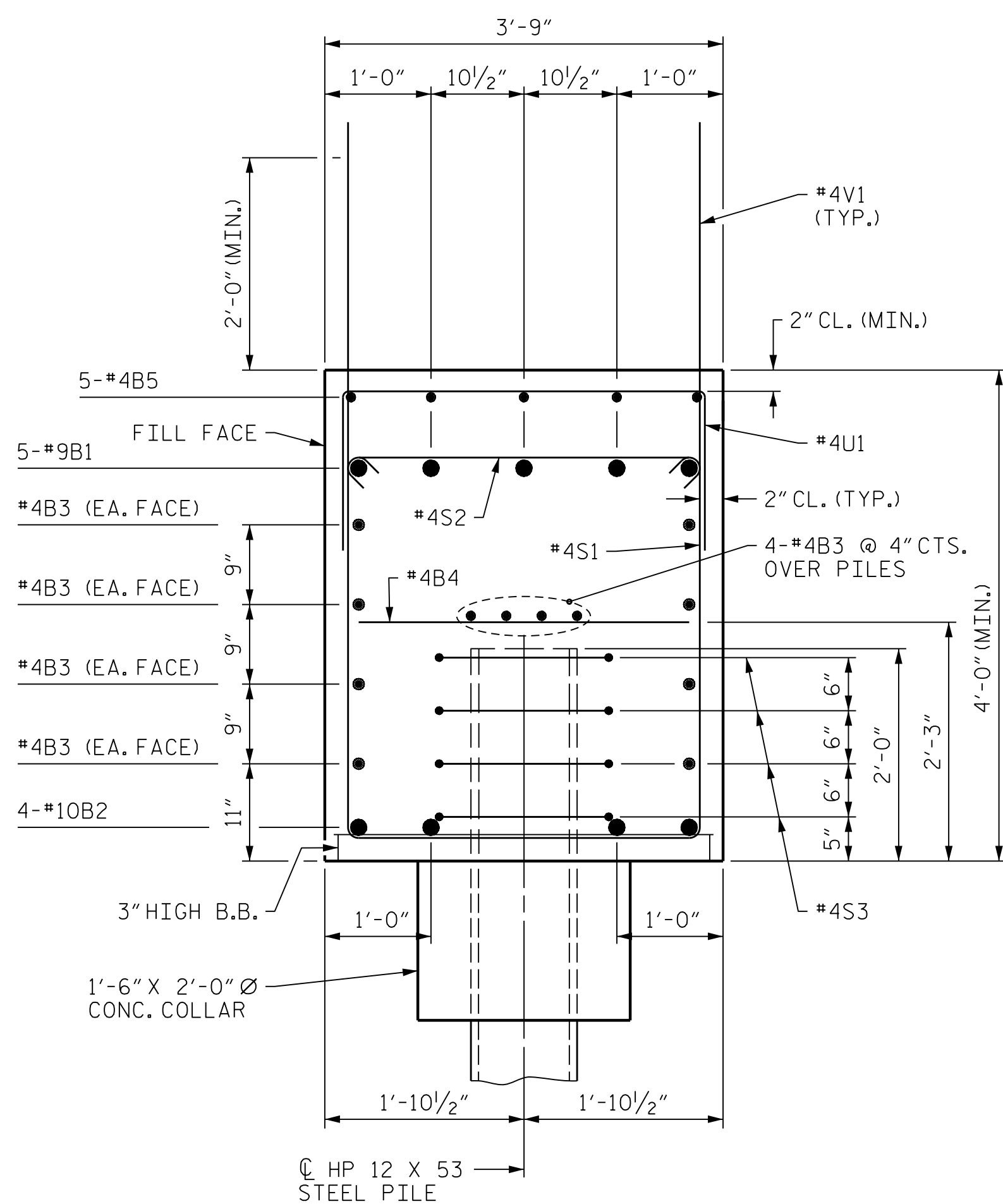
### TEMPORARY DRAINAGE AT END BENT



### PILE SPLICE DETAILS



BILL OF MATERIAL					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	5	#9	1	54'-8"	929
B2	4	#10	1	55'-0"	947
B3	24	#4	STR	27'-4"	438
B4	13	#4	STR	3'-5"	30
B5	5	#4	STR	26'-10"	90
B6	5	#4	STR	9'-8"	32
H1	21	#5	2	11'-2"	245
H2	21	#5	2	11'-4"	248
H3	14	#5	3	10'-4"	151
H4	14	#5	3	10'-2"	148
K1	12	#4	STR	4'-1"	33
K2	12	#4	STR	4'-2"	33
S1	56	#4	4	11'-5"	427
S2	56	#4	5	4'-2"	156
S3	36	#4	6	6'-6"	156
U1	25	#4	7	6'-5"	107
V1	70	#4	STR	6'-6"	304
V2	12	#5	STR	10'-5"	130
V3	6	#5	STR	10'-4"	65
V4	6	#5	STR	10'-2"	64
V5	8	#5	STR	9'-10"	82
V6	12	#5	STR	9'-8"	121
V7	6	#5	STR	9'-6"	59
V8	6	#5	STR	9'-4"	58
V9	6	#5	STR	9'-1"	57
REINFORCING STEEL				LBS.	5110
CLASS A CONCRETE					
POUR #1 CAP LOWER WINGS & CONC. COLLARS				C.Y.	36.7
POUR #2 UPPER PART OF WINGS				C.Y.	6.1
TOTAL CLASS A CONCRETE				C.Y.	42.8
HP 12x53 STEEL PILES				NO. 9	630
PILE DRIVING EQUIPMENT SETUP FOR HP 12 x 53 STEEL PILES				NO.	9

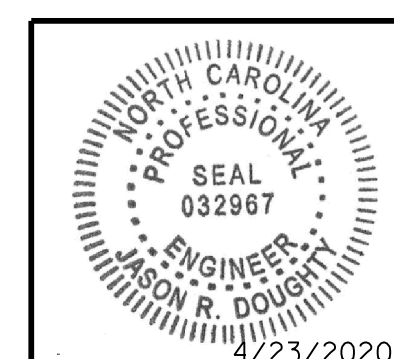


PROJECT NO. R-2233BB  
RUTHERFORD COUNTY  
 STATION: 20+88.94 -Y19-  
 SHEET 3 OF 3

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

SHEET NO. S3-25  
 TOTAL SHEETS 34

**MODJESKI and MASTERS**  
 Experience great bridges.  
 333 FAYETTEVILLE STREET, SUITE 500  
 RALEIGH, NC 27601  
 NC LICENSE NO. C-2979



**DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED**

DocuSigned by:  
 Jason R. Doughty  
 SF73FA2DEA874E...

STR. #3

4/22/2020  
 403\_049\_R2233BB\_SML13\_800662.dgn

DESIGNED BY: C. CORMAN DATE: JULY 2019  
 DRAWN BY: K. WHITE DATE: JULY 2019  
 CHECKED BY: J. BORUTA DATE: AUG 2019  
 DESIGN ENGINEER OF RECORD: J. DOUGHTY DATE: NOV 2019