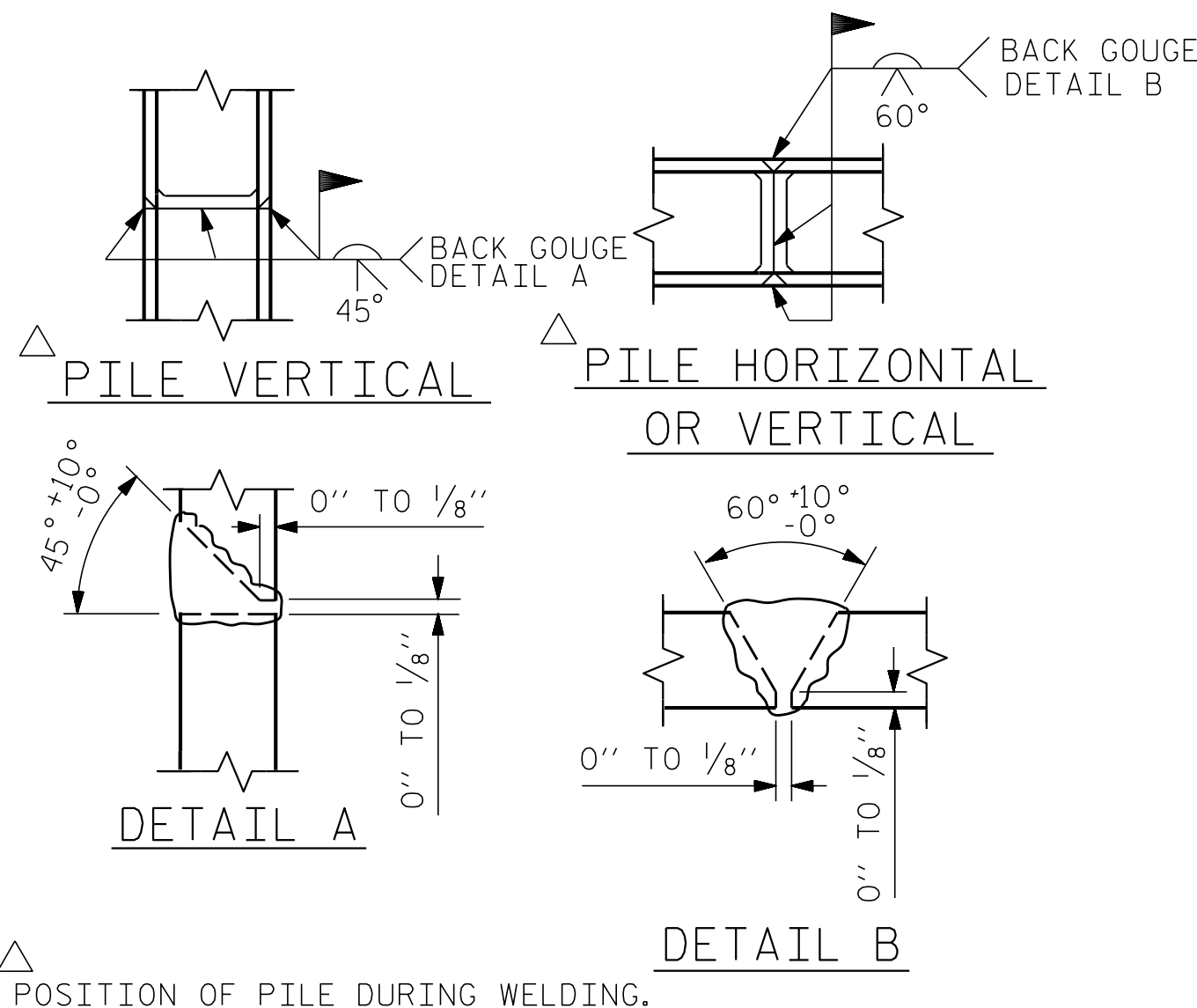


BAGGED STONE AND PIPE SHALL BE PLACED IMMEDIATELY AFTER COMPLETION OF END BENT EXCAVATION. PIPE MAY BE EITHER CONCRETE, CORRUGATED STEEL, CORRUGATED ALUMINUM ALLOY, OR CORRUGATED PLASTIC. PERFORATED PIPE WILL NOT BE ALLOWED.

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.

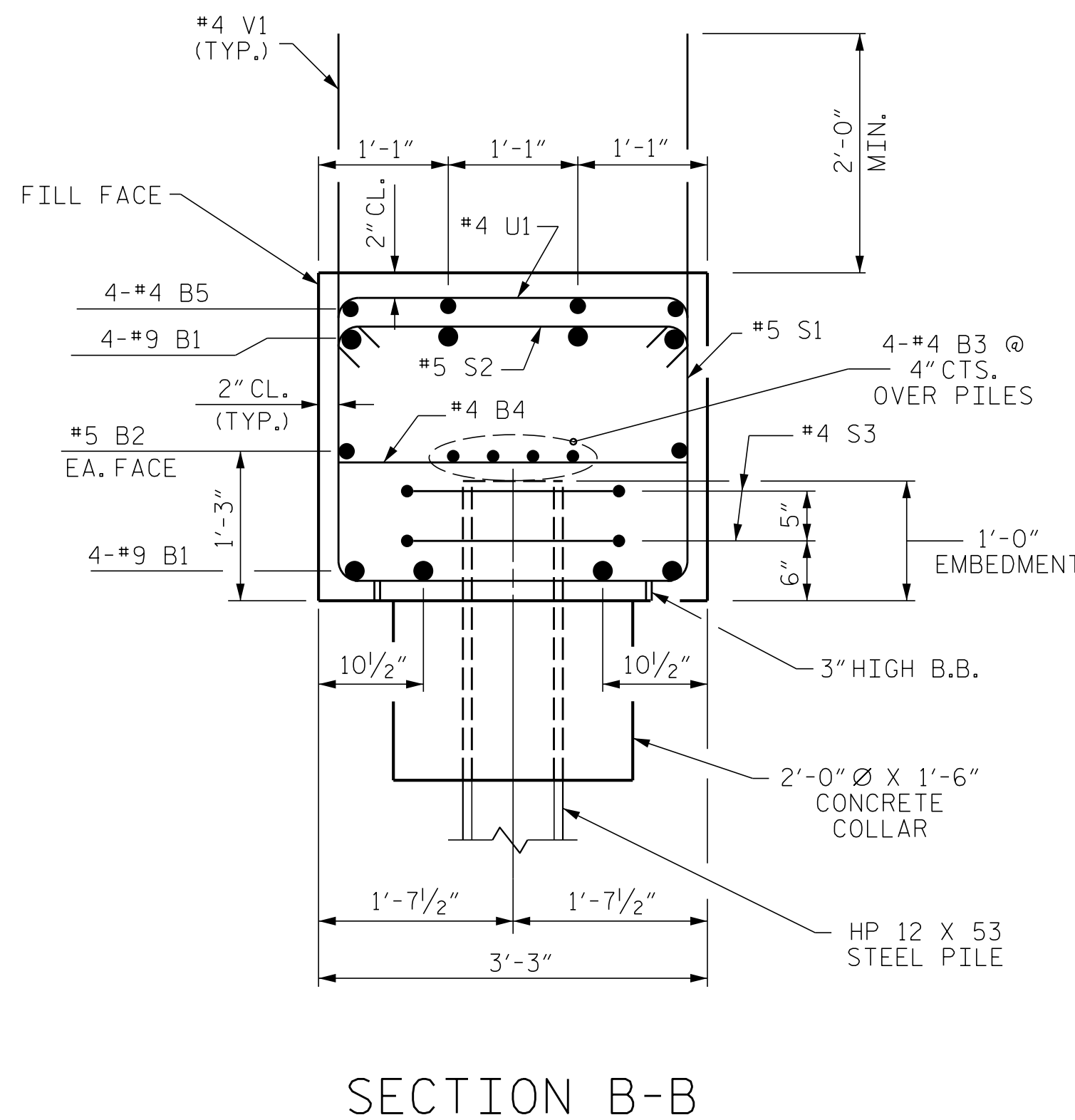
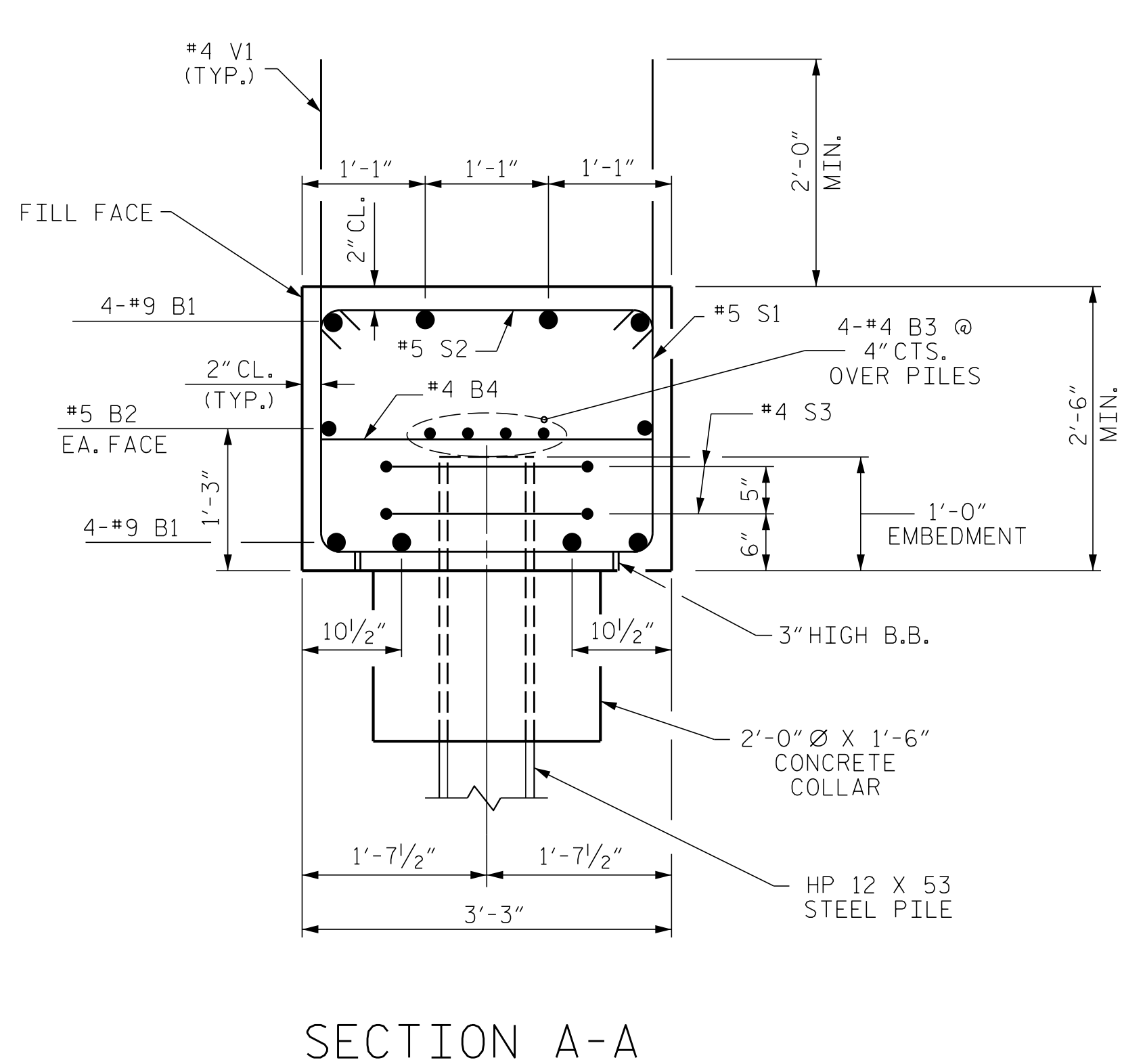
NO SEPARATE PAYMENT WILL BE MADE FOR THIS WORK AND THE ENTIRE COST OF THIS WORK SHALL BE INCLUDED IN THE UNIT CONTRACT PRICE BID FOR THE SEVERAL PAY ITEMS.

TEMPORARY DRAINAGE AT END BENT

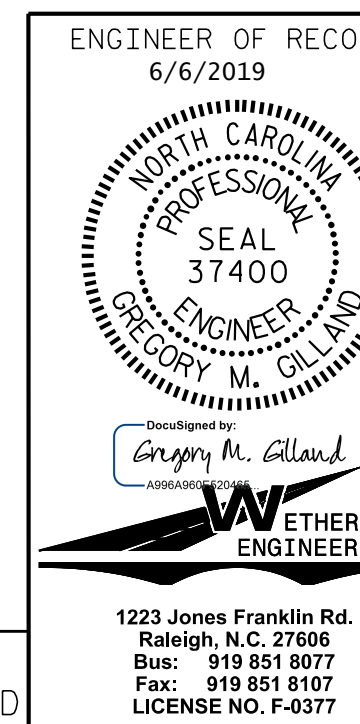


PILE SPLICE DETAILS

BAR TYPES					BILL OF MATERIAL				
					END BENT No. 1				
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT				
B1	8	#9		44'-3"	1,204				
B2	2	#5	STR	41'-11"	87				
B3	8	#4	STR	22'-2"	118				
B4	11	#4	STR	2'-11"	21				
B5	4	#4	STR	12'-8"	34				
H1	32	#4		8'-2"	175				
H2	20	#4	STR	3'-7"	48				
S1	36	#5		8'-1"	304				
S2	36	#5		3'-10"	144				
S3	10	#4		6'-6"	43				
U1	9	#4		5'-11"	36				
V1	64	#4	STR	4'-3"	182				
V2	48	#4	STR	6'-5"	206				
REINFORCING STEEL					2,602 LBS.				
CLASS A CONCRETE BREAKDOWN									
POUR #1	CAP, CONC, COLLARS & LOWER PART OF WINGS				15.2 C.Y.				
POUR #2	UPPER PART OF WINGS				3.5 C.Y.				
TOTAL CLASS A CONCRETE					18.7 C.Y.				
HP 12 X 53 STEEL PILES									
NO: 5					LIN. FT.= 330				
PILE REDRIVES					3 EA.				
PILE DRIVING EQUIPMENT SETUP FOR HP 12 X 53 STEEL PILES					5 EA.				



PROJECT NO. BR-0014
 CUMBERLAND COUNTY
 STATION: 21+37.00 -LREV-
 SHEET 3 OF 3



STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

SUBSTRUCTURE
 END BENT No. 1

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-20
1			3			TOTAL SHEETS
2			4			28

DOCUMENT NOT CONSIDERED FINAL
 UNLESS ALL SIGNATURES COMPLETED

DRAWN BY: D. HODGE DATE: 3/19
 CHECKED BY: G.M. GILLAND DATE: 4/19