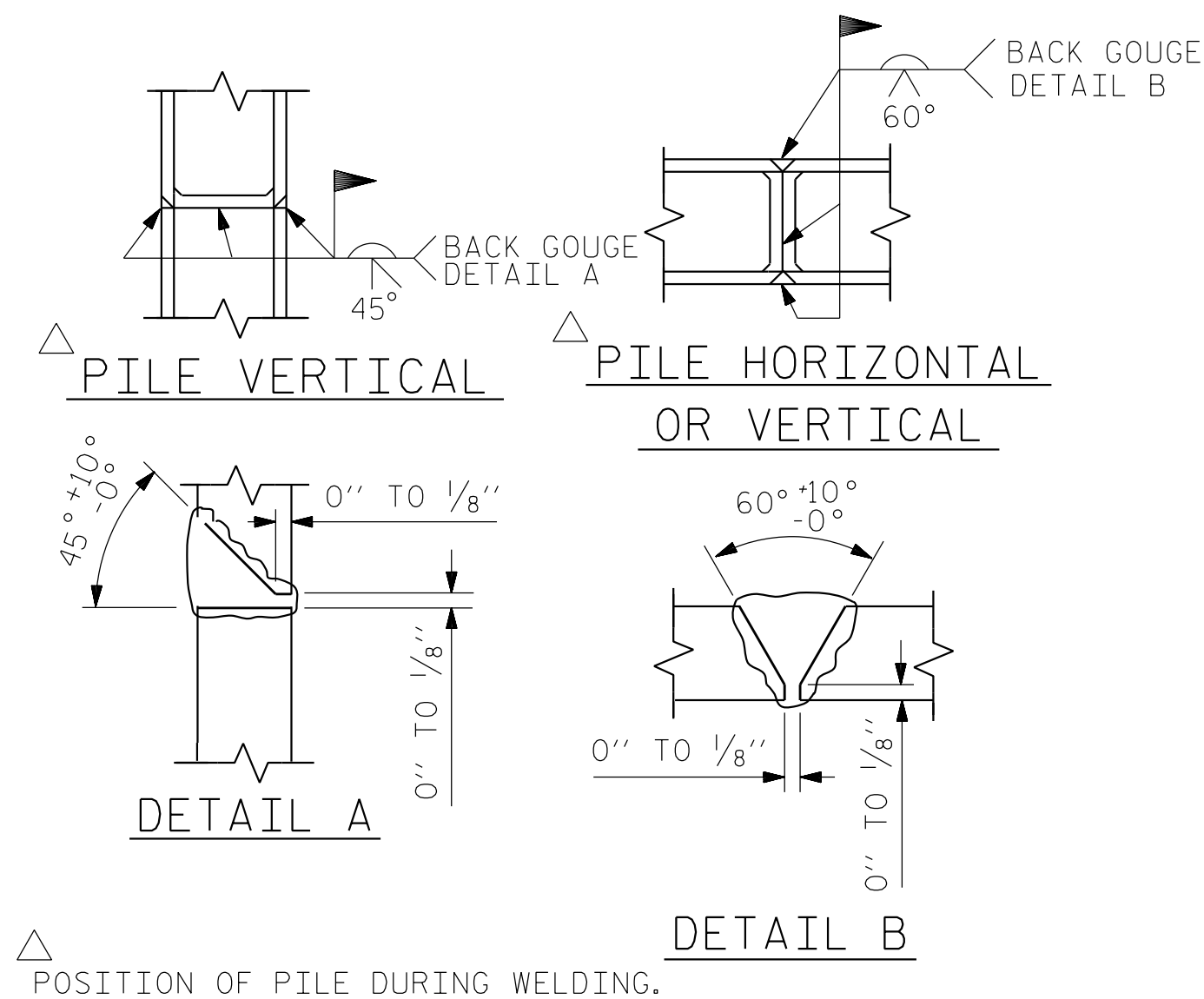


BAGGED STONE AND PIPE SHALL BE PLACED IMMEDIATELY AFTER COMPLETION OF END BENT EXCAVATION. PIPE MAY BE EITHER CONCRETE, CORRUGATED STEEL, CORRUGATED ALUMINUM ALLOY, OR CORRUGATED PLASTIC. PERFORATED PIPE WILL NOT BE ALLOWED.

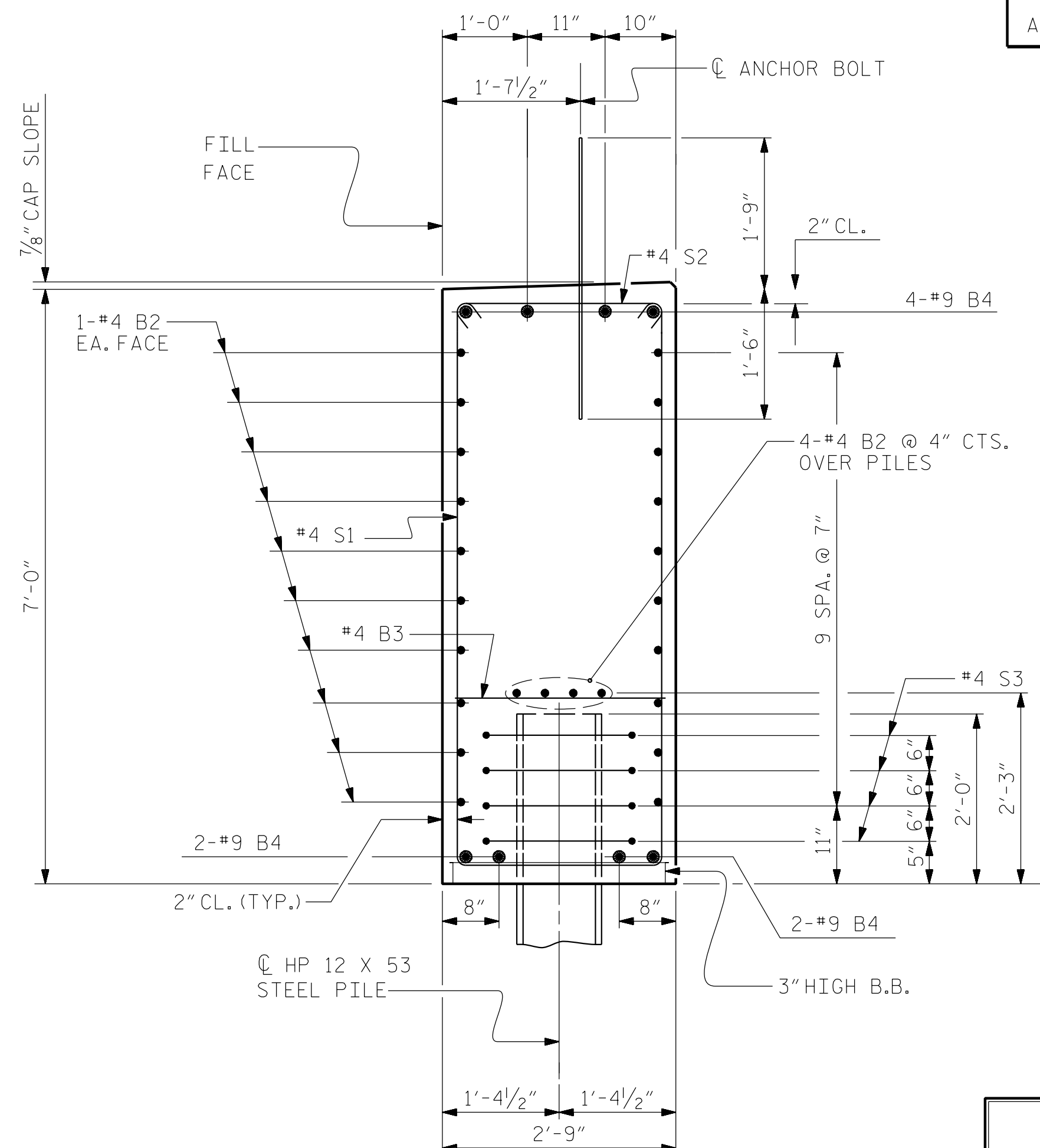
BAGGED STONE SHALL REMAIN IN PLACE UNTIL THE ENGINEER DIRECTS THAT IT BE REMOVED. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF SILT ACCUMULATIONS AT BAGGED STONE WHEN SO DIRECTED BY THE ENGINEER. BAGS SHALL BE REMOVED AND REPLACED WHENEVER THE ENGINEER DETERMINES THAT THEY HAVE DETERIORATED AND LOST THEIR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

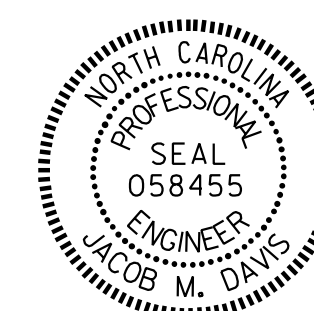


SECTION B-B

(CONCRETE COLLAR NOT SHOWN FOR CLARITY.
SEE "CORROSION PROTECTION FOR STEEL PILES DETAIL.")



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



BILL OF MATERIAL					
END BENT No. 2					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	24	#4	STR	19'-6"	313
B2	24	#4	STR	27'-9"	445
B3	12	#4	STR	2'-5"	19
B4	8	#9	1	26'-8"	725
B6	8	#9	1	20'-6"	558
H1	14	#4	2	9'-9"	91
H2	14	#4	2	9'-4"	87
H3	28	#4	3	8'-10"	165
K1	16	#4	STR	3'-3"	35
S1	56	#4	4	16'-5"	614
S2	56	#4	5	3'-2"	118
S3	28	#4	6	6'-6"	122
V1	53	#4	STR	9'-0"	319
REINFORCING STEEL				3611 LBS.	
CLASS A CONCRETE BREAKDOWN					
POUR #1: CAP, LOWER PART OF WINGS & COLLARS				33.4 C.Y.	
POUR #2: UPPER PART OF WINGS				2.2 C.Y.	
TOTAL CLASS A CONCRETE				35.6 C.Y.	
HP 12 X 53 STEEL PILES					
NO: 7 LIN. FT.= 140					
STEEL PILE POINTS					
NO: 7					

PROJECT NO. BP14.R006
POLK COUNTY
 STATION: 12+92.50 -L-

SHEET 5 OF 5

STATE OF NORTH CAROLINA

DEPARTMENT OF TRANSPORTATION

RALEIGH

SUBSTRUCTURE

END BENT No. 2

DETAILS

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	<div style="font-size: 2em; font-weight: bold;">S-18</div> <div style="font-size: 1.5em; font-weight: bold;">TOTAL SHEETS</div> <div style="font-size: 2em; font-weight: bold;">20</div>
1			3			
2			4			

STD. NO. EB_33_60S4

ASSEMBLED BY : J. M. DAVIS		DATE : 6/23	
CHECKED BY : R. C. LARSON		DATE : 6/23	
DRAWN BY : WJH 12/11		REV. 4/17	MAA/THC
CHECKED BY : AAC 12/11			

DESIGN ENGINEER OF RECORD: R. C. LARSON DATE : 6/23

10/9/2025
\$DGN
11:23:31 AM