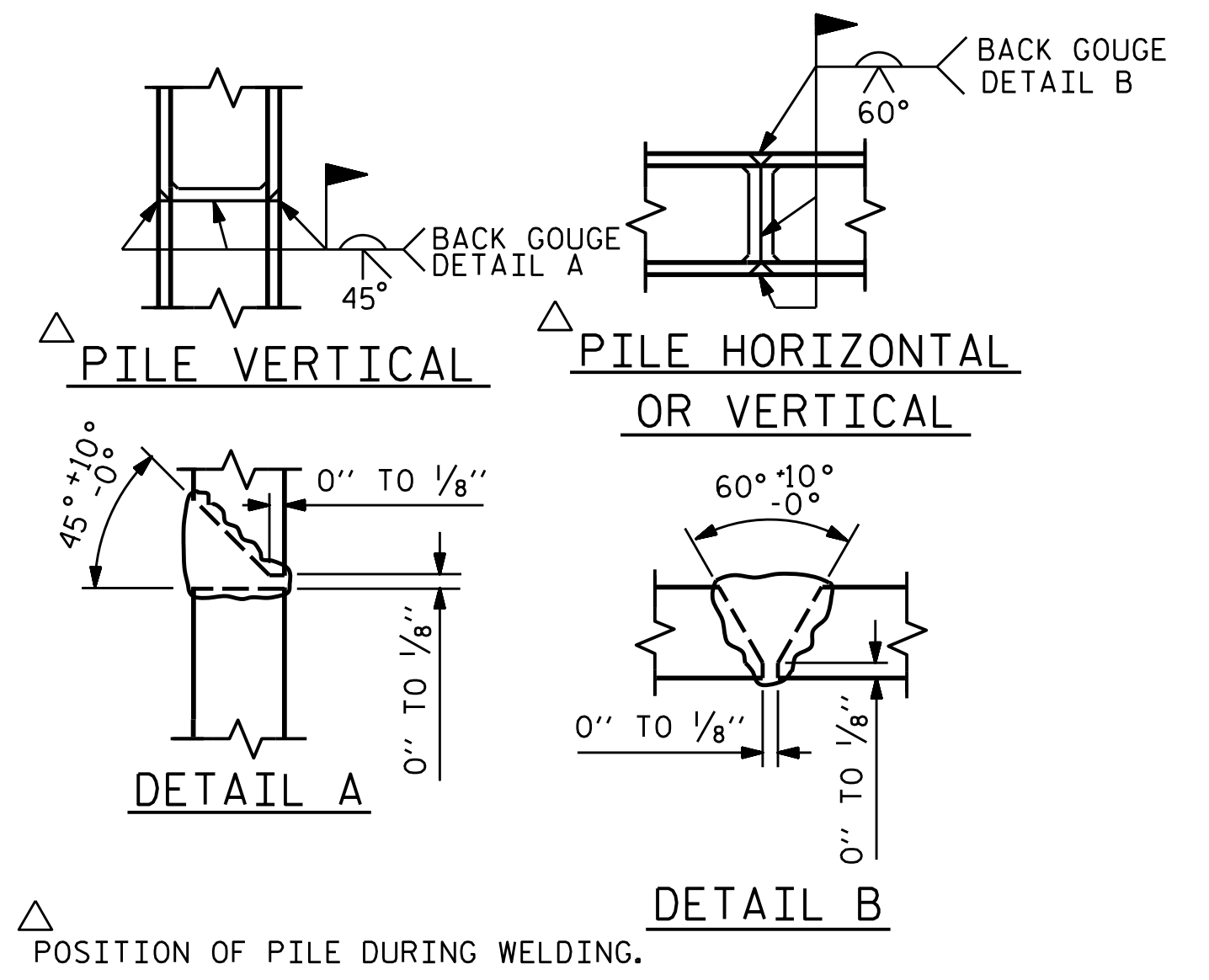


BAGGED STONE AND PIPE SHALL BE PLACED IMMEDIATELY AFTER COMPLETION OF END BENT EXCAVATION. PIPE MAY BE EITHER CONCRETE, CORRUGATED STEEL, CORRUGATED ALUMINUM ALLOY, OR CORRUGATED PLASTIC. PERFORATED PIPE WILL NOT BE ALLOWED.

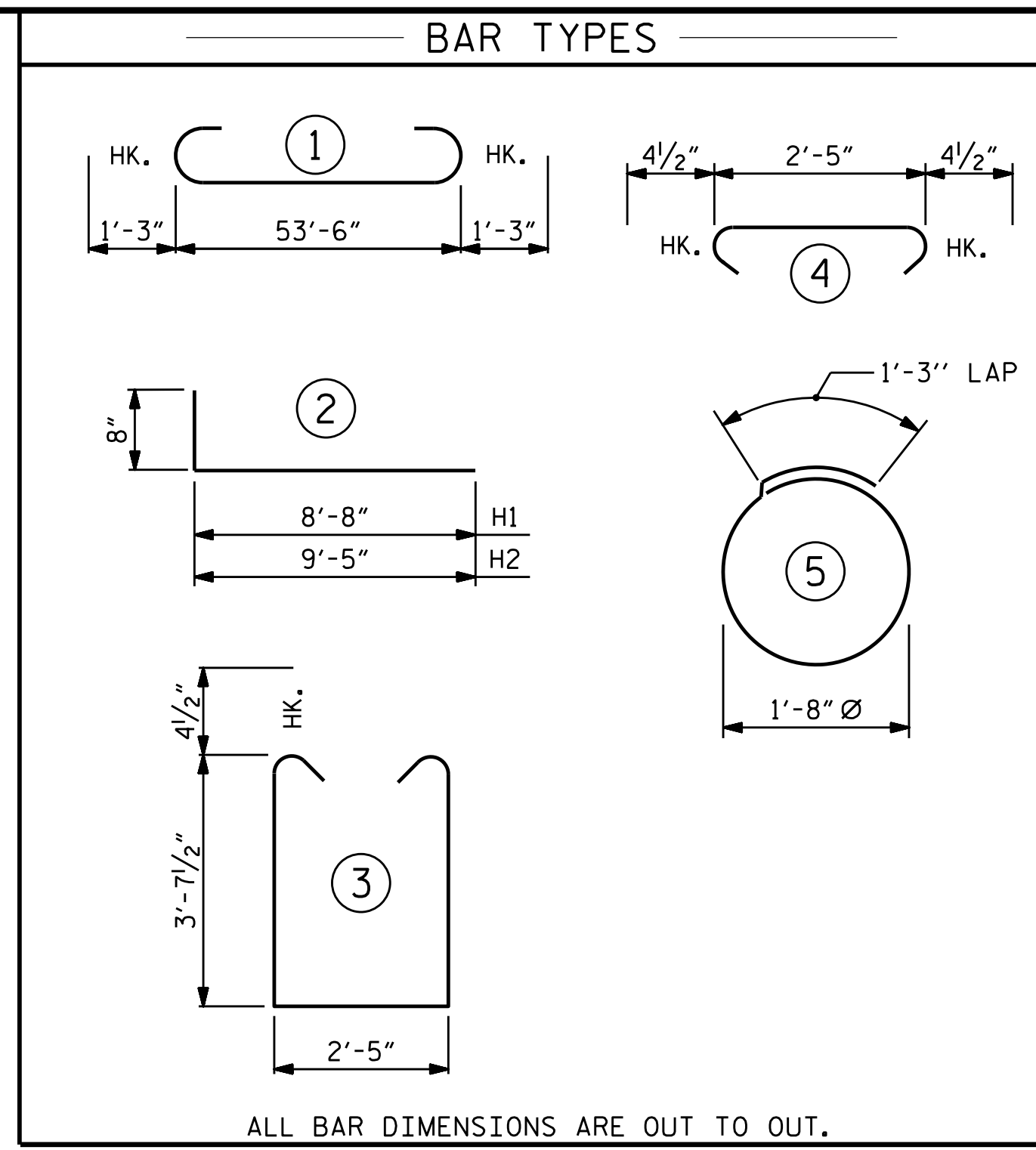
BAGGED STONE SHALL REMAIN IN PLACE UNTIL THE ENGINEER DIRECTS THAT IT BE REMOVED. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF SILT ACCUMULATIONS AT BAGGED STONE WHEN SO DIRECTED BY THE ENGINEER. BAGS SHALL BE REMOVED AND REPLACED WHENEVER THE ENGINEER DETERMINES THAT THEY HAVE DETERIORATED AND LOST THEIR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

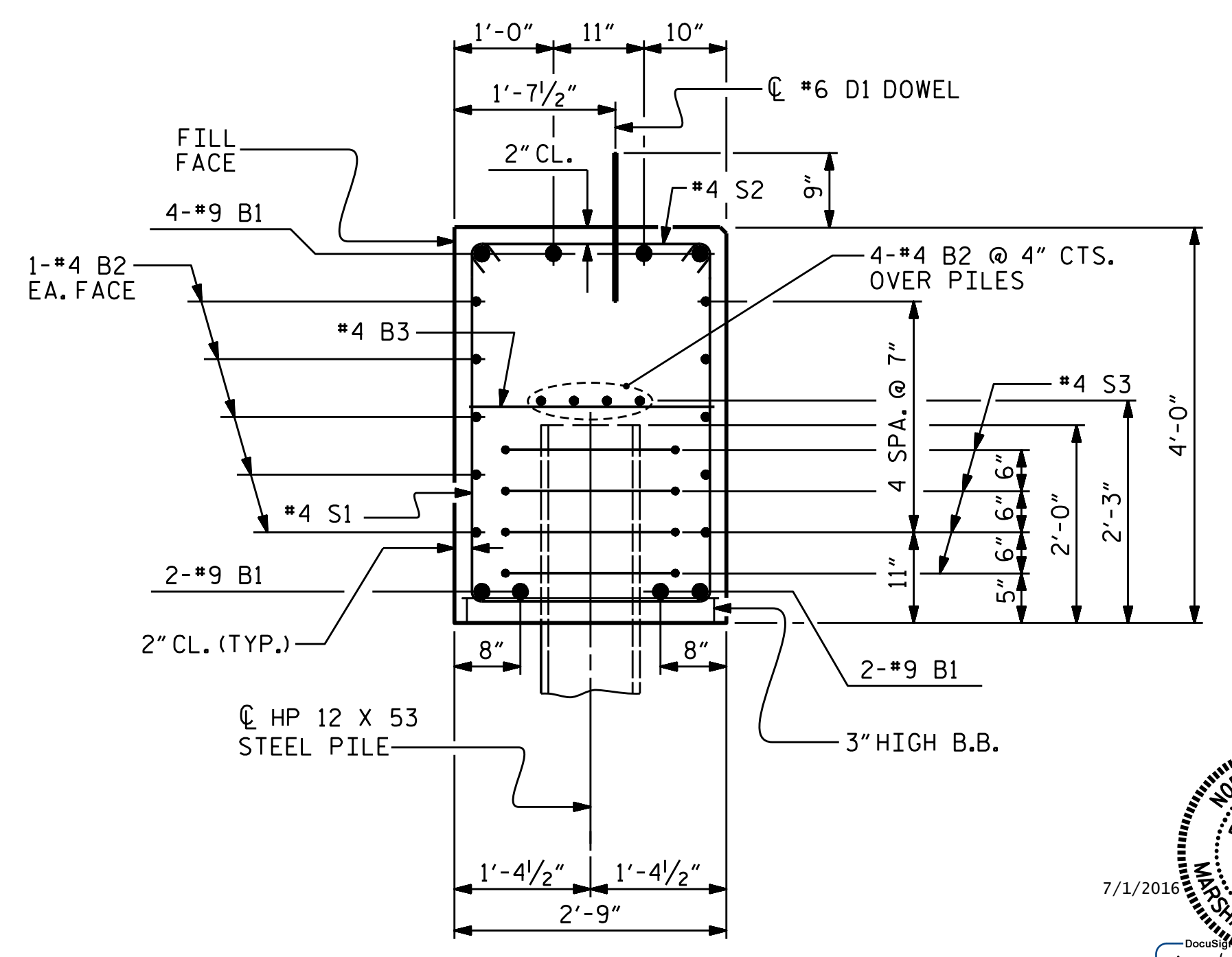
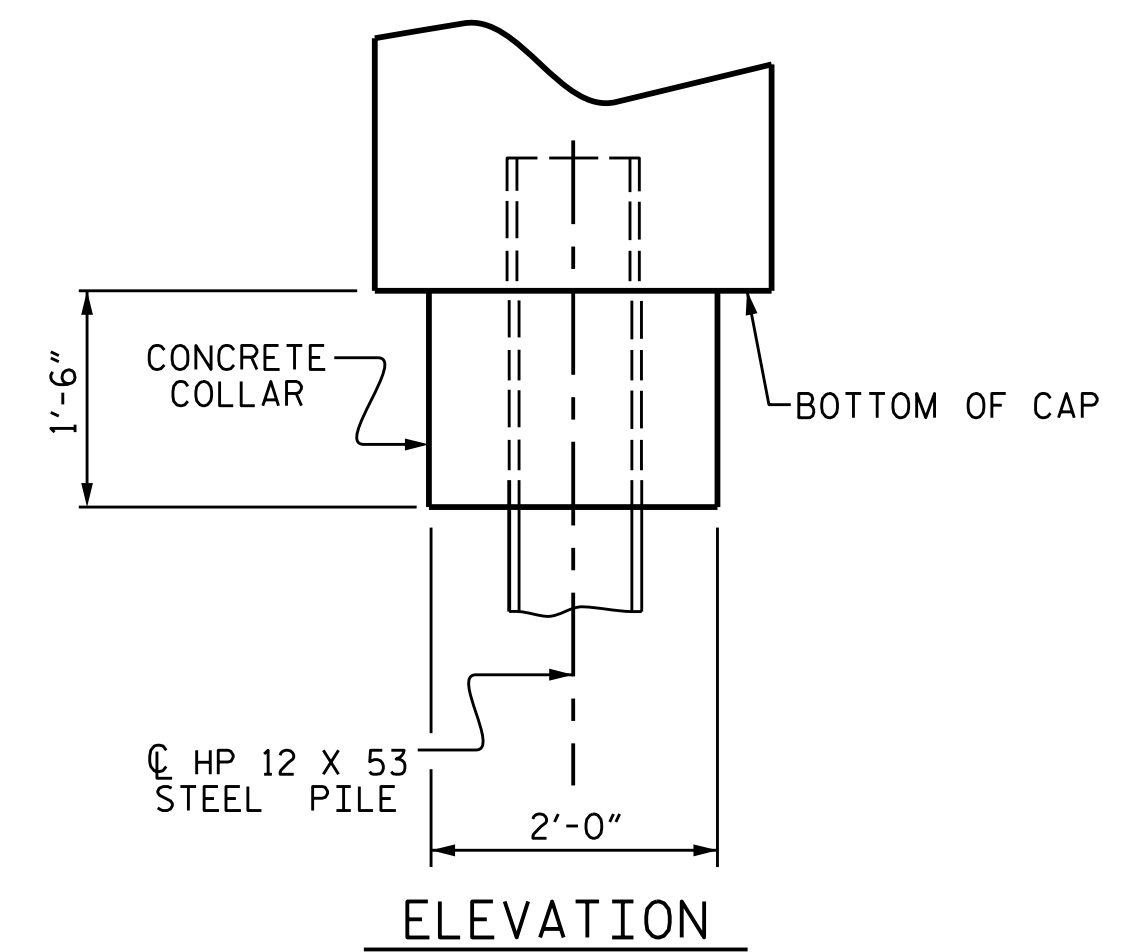
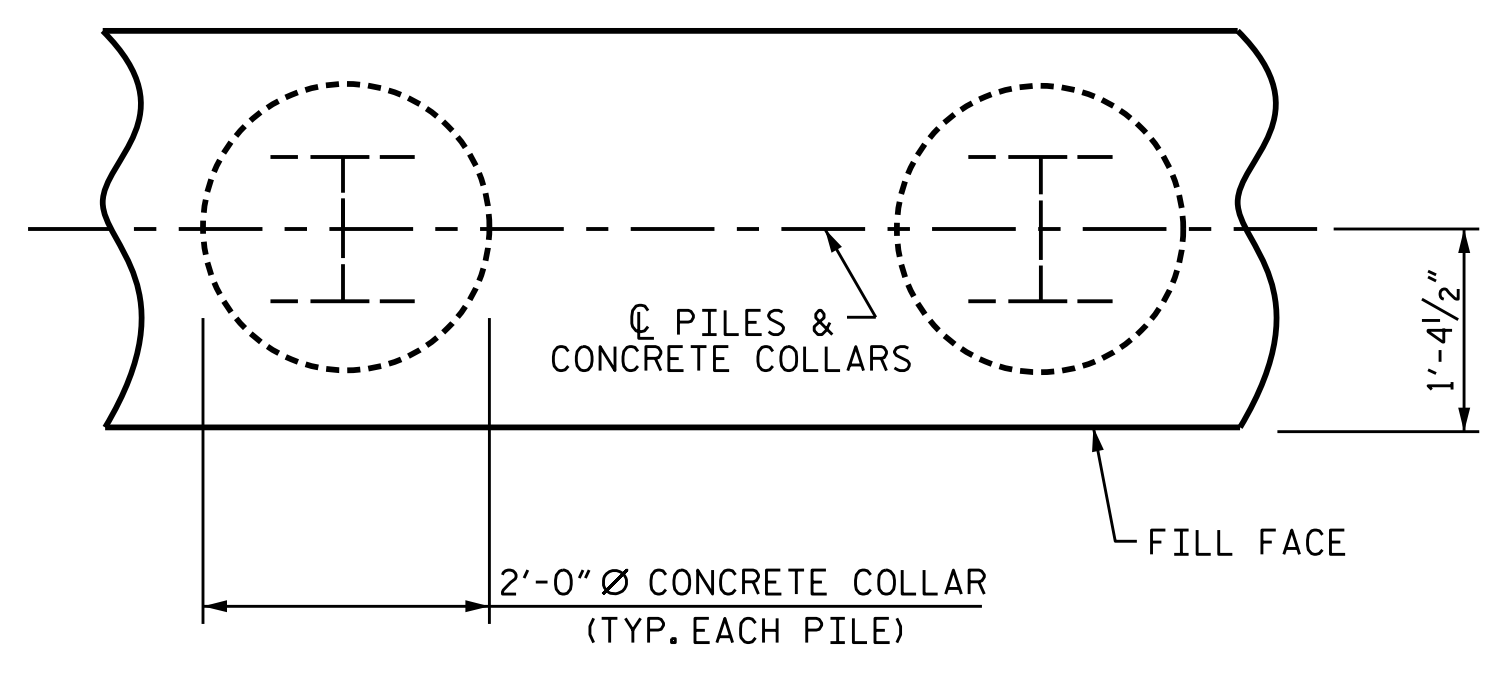
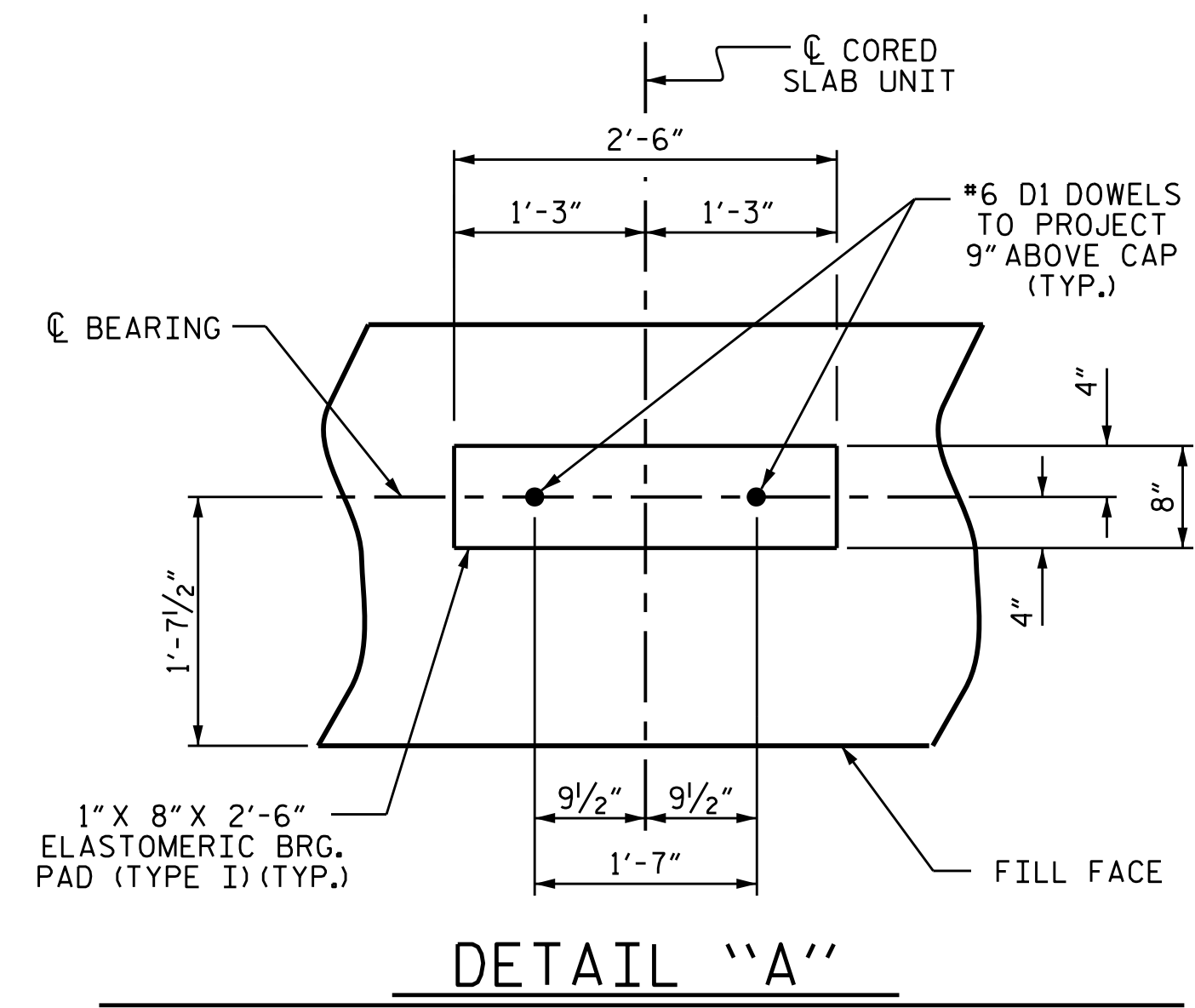
**TEMPORARY DRAINAGE AT END BENT**



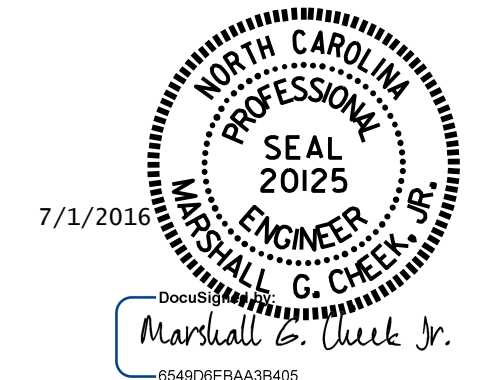
**PILE SPLICE DETAILS**



BILL OF MATERIAL					
END BENT No. 1					
BAR NO.	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	8	#9	1	56'-0"	1523
B2	28	#4	STR	28'-1"	525
B3	14	#4	STR	2'-5"	23
D1	32	#6	STR	1'-6"	72
H1	20	#4	2	9'-4"	125
H2	22	#4	2	10'-1"	148
K1	18	#4	STR	3'-6"	42
S1	58	#4	3	10'-5"	404
S2	58	#4	4	3'-2"	123
S3	32	#4	5	6'-6"	139
V1	26	#4	STR	6'-5"	111
V2	28	#4	STR	6'-11"	129
REINFORCING STEEL					3364 LBS.
CLASS A CONCRETE BREAKDOWN					
POUR #1 CAP, LOWER PART OF WINGS & COLLARS					25.9 C.Y.
POUR #2 UPPER PART OF WINGS					2.8 C.Y.
TOTAL CLASS A CONCRETE					28.7 C.Y.
HP 12 X 53 STEEL PILES					
NO: 8					LIN. FT. = 200
STEEL PILE POINTS					8 EA.



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



PROJECT NO. B-5125  
 MACON COUNTY  
 STATION: 13+25.89 -L-

SHEET 3 OF 3

STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH

SUBSTRUCTURE  
 END BENT No. 1  
 DETAILS

DRAWN BY : B.N. GRADY DATE : 4/16  
 CHECKED BY : H. T. BARBOUR DATE : 4-18-16  
 DESIGN ENGINEER OF RECORD: W.J. HARRIS DATE : 5-16

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	TOTAL SHEETS
1			3			S-27
2			4			43