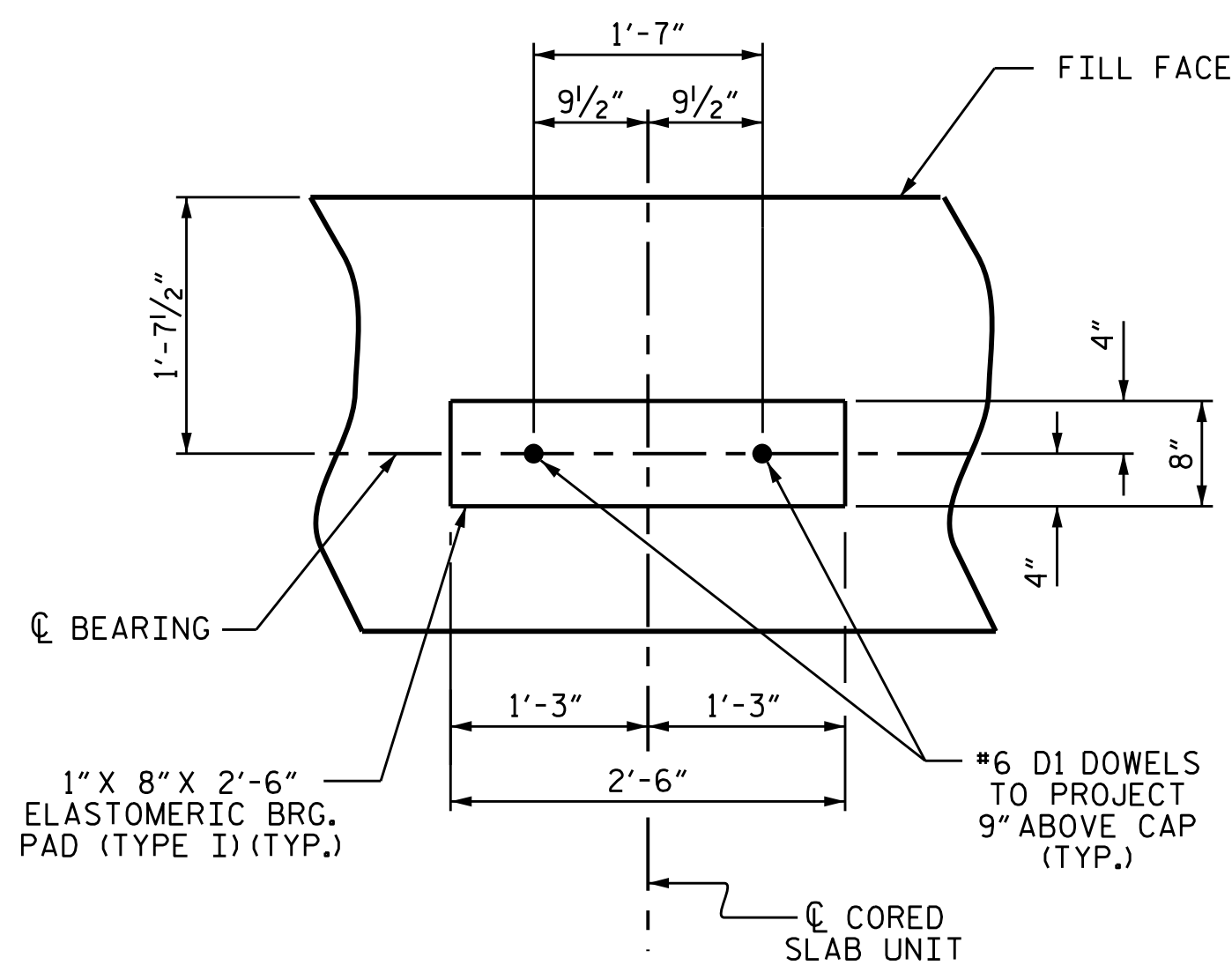


BAGGED STONE AND PIPE SHALL BE PLACED IMMEDIATELY AFTER COMPLETION OF END BENT EXCAVATION. PIPE MAY BE EITHER CONCRETE, CORRUGATED STEEL, CORRUGATED ALUMINUM ALLOY, OR CORRUGATED PLASTIC. PERFORATED PIPE WILL NOT BE ALLOWED.

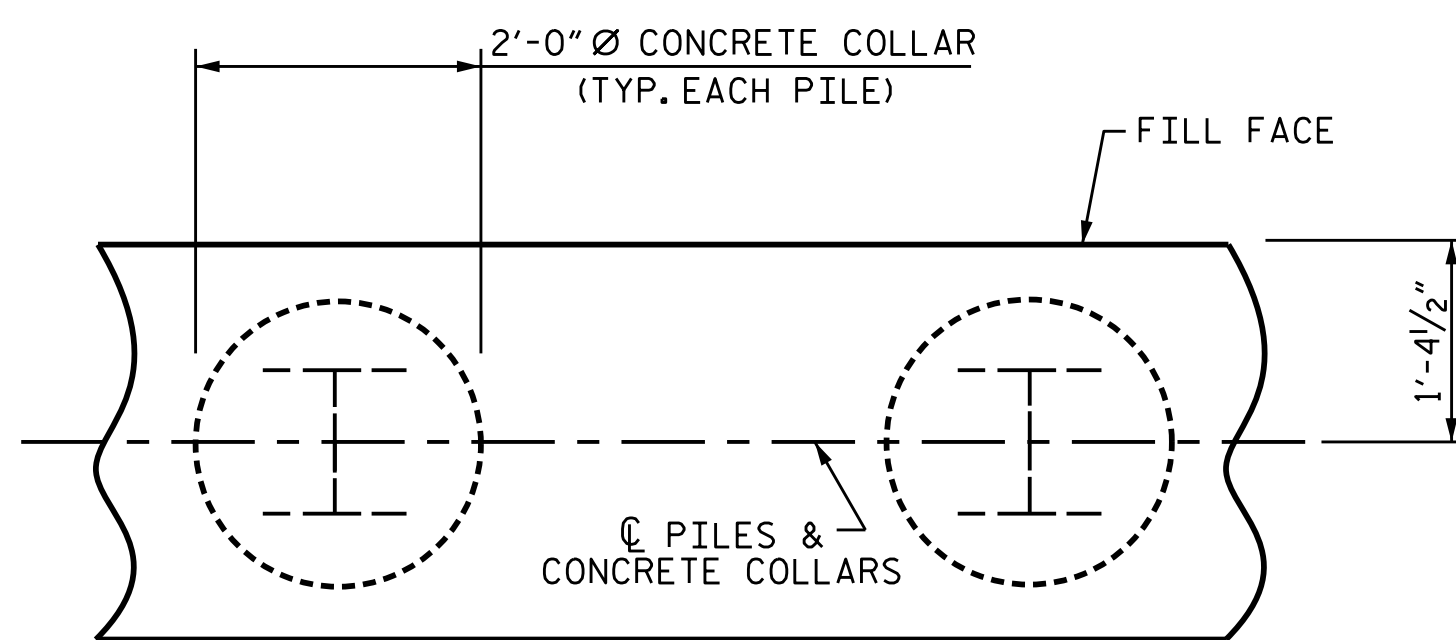
BAGGED STONE SHALL REMAIN IN PLACE UNTIL THE ENGINEER DIRECTS THAT IT BE REMOVED. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF SILT ACCUMULATIONS AT BAGGED STONE WHEN SO DIRECTED BY THE ENGINEER. BAGS SHALL BE REMOVED AND REPLACED WHENEVER THE ENGINEER DETERMINES THAT THEY HAVE DETERIORATED AND LOST THEIR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

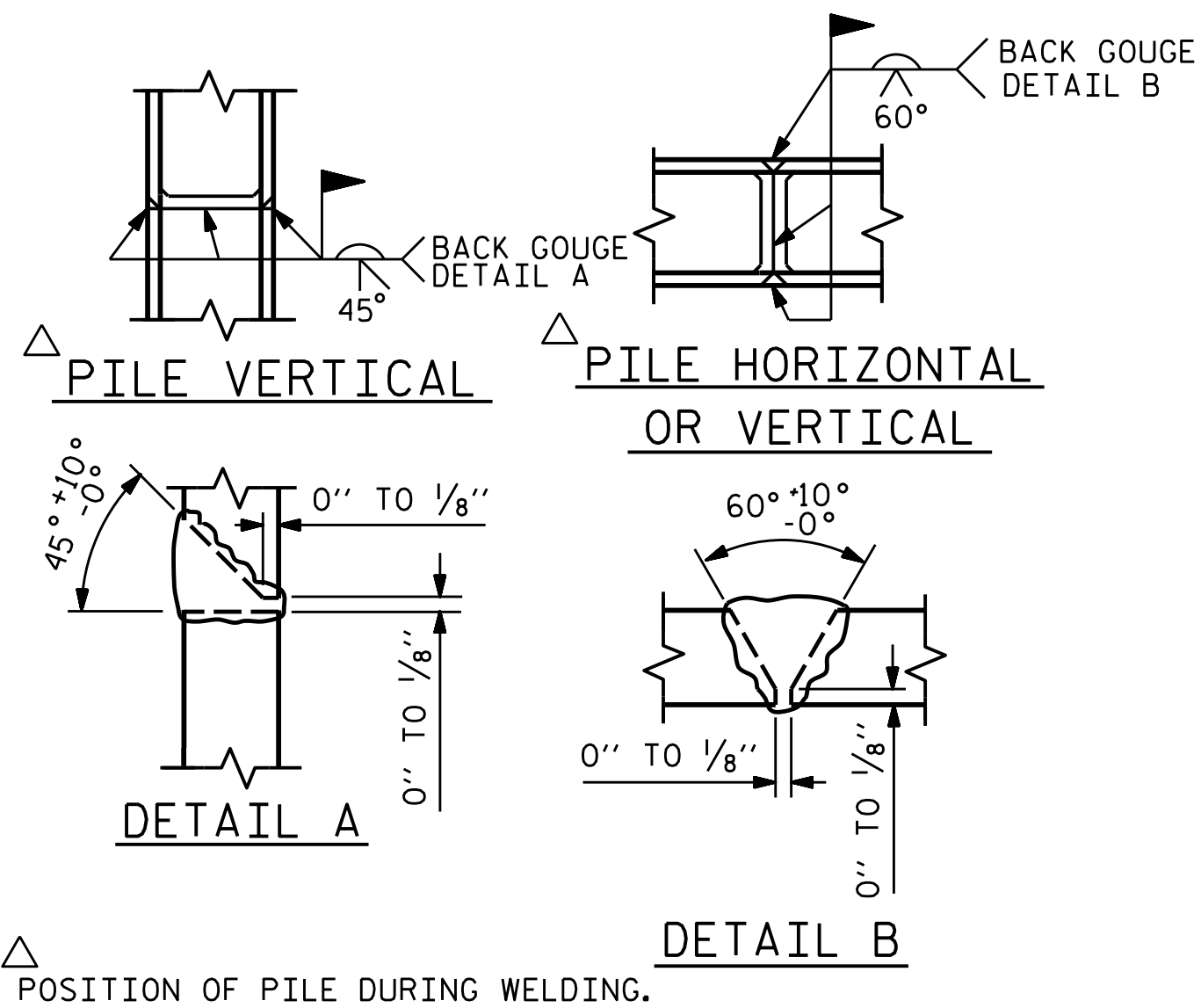


DETAIL "A"

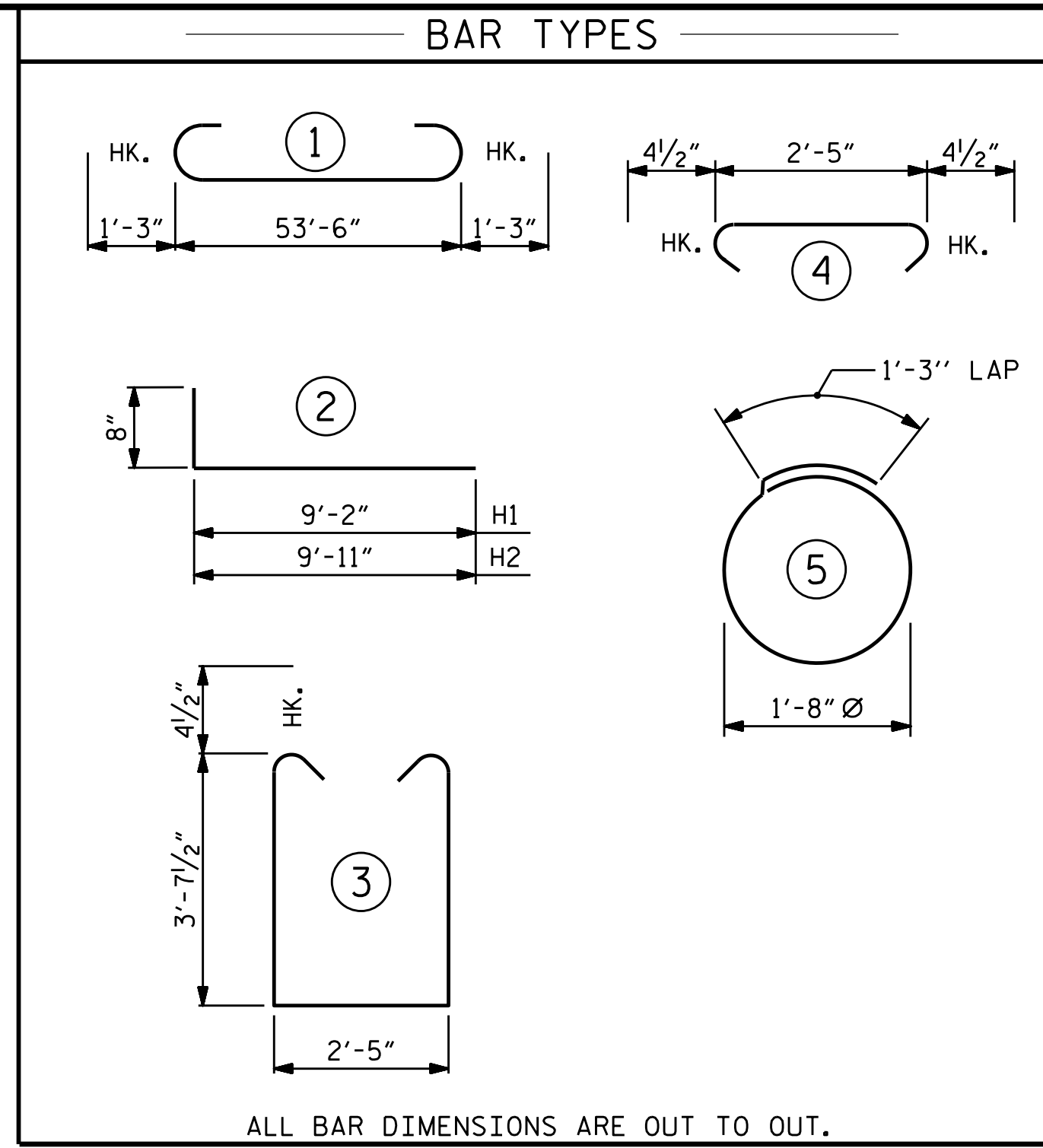


PLAN

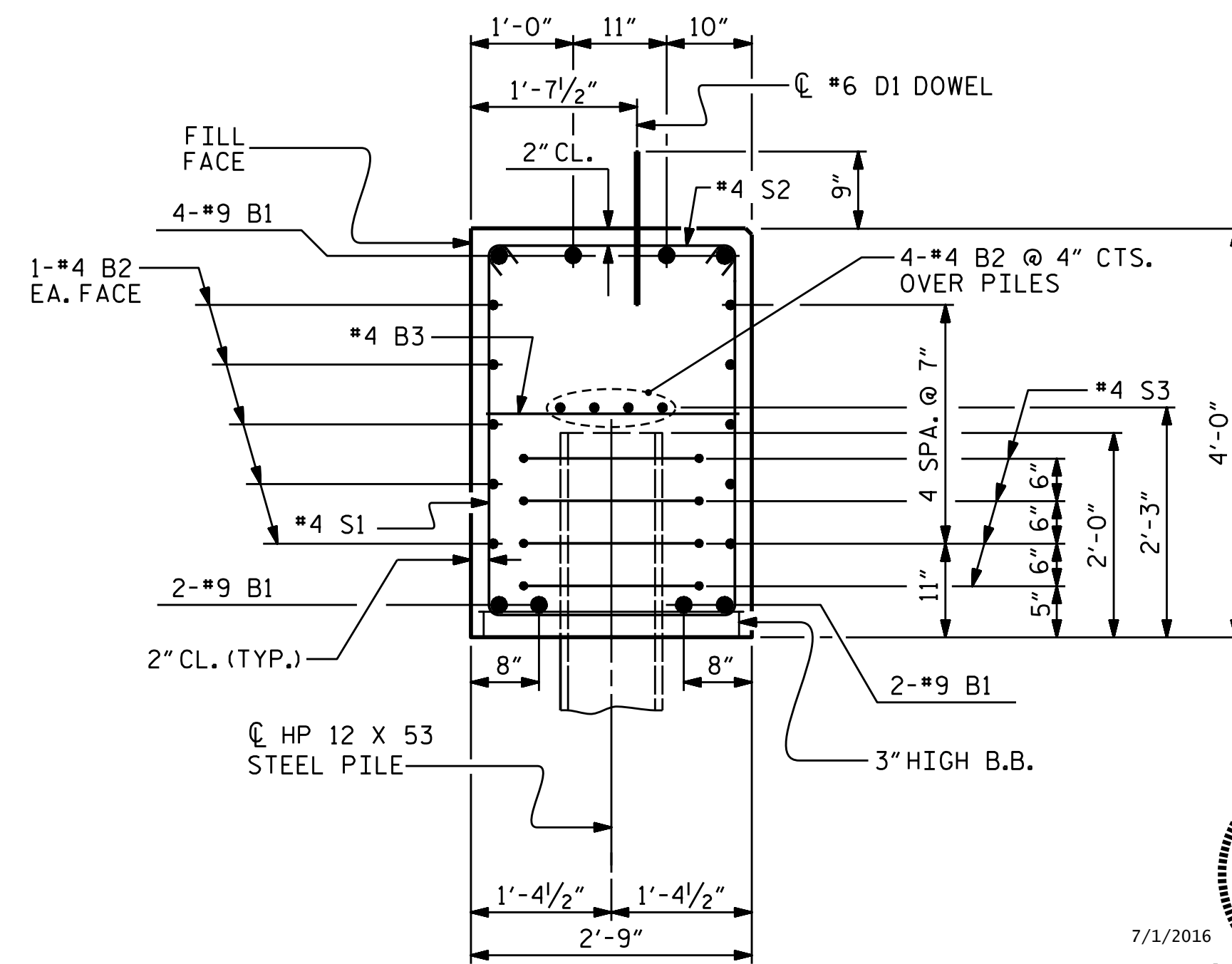
CORROSION PROTECTION FOR STEEL PILES DETAIL



PILE SPLICE DETAILS

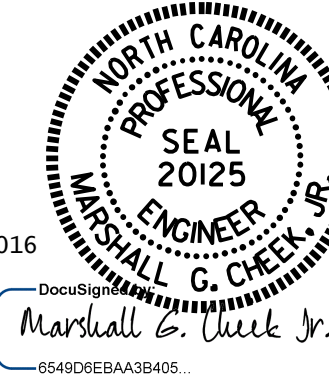


BILL OF MATERIAL					
END BENT No. 2					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	8	#9	1	56'-0"	1523
B2	28	#4	STR	28'-1"	525
B3	14	#4	STR	2'-5"	23
D1	32	#6	STR	1'-6"	72
H1	22	#4	2	9'-10"	145
H2	22	#5	2	10'-7"	243
K1	20	#4	STR	3'-6"	47
S1	58	#4	3	10'-5"	404
S2	58	#4	4	3'-2"	123
S3	32	#4	5	6'-6"	139
V1	28	#4	STR	6'-8"	125
V2	30	#4	STR	7'-3"	145
REINFORCING STEEL				3514 LBS.	
CLASS A CONCRETE BREAKDOWN					
POUR #1 CAP, LOWER PART OF WINGS & COLLARS				26.0 C.Y.	
POUR #2 UPPER PART OF WINGS				3.1 C.Y.	
TOTAL CLASS A CONCRETE				29.1 C.Y.	
HP 12 X 53 STEEL PILES				NO: 8 LIN. FT. = 440	



SECTION A-A

(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. 2

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

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-36
1			3			TOTAL SHEETS
2			4			43