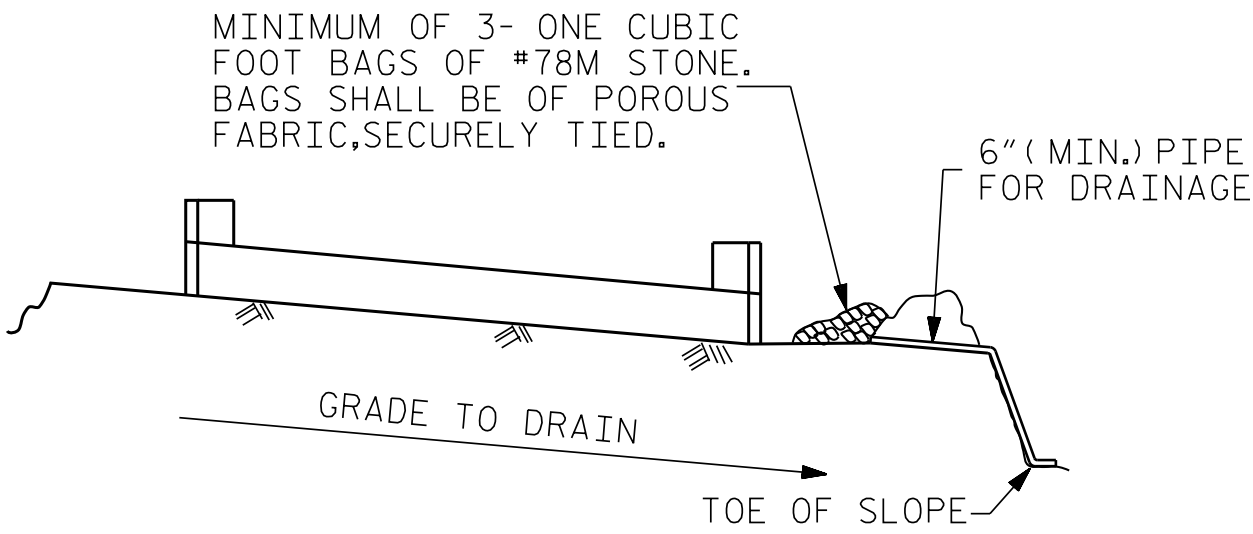


\\jc01\proj\16\ashville\Transportation\31631-05\_Jackson\_65 - B-6034\Structures\Final Plans\Current Plans\_2024\A01\_033\_B6034\_SMU\_EB\_S1r.dgn  
DATE: 1/6/2026 TIME: 1:16:20PM  
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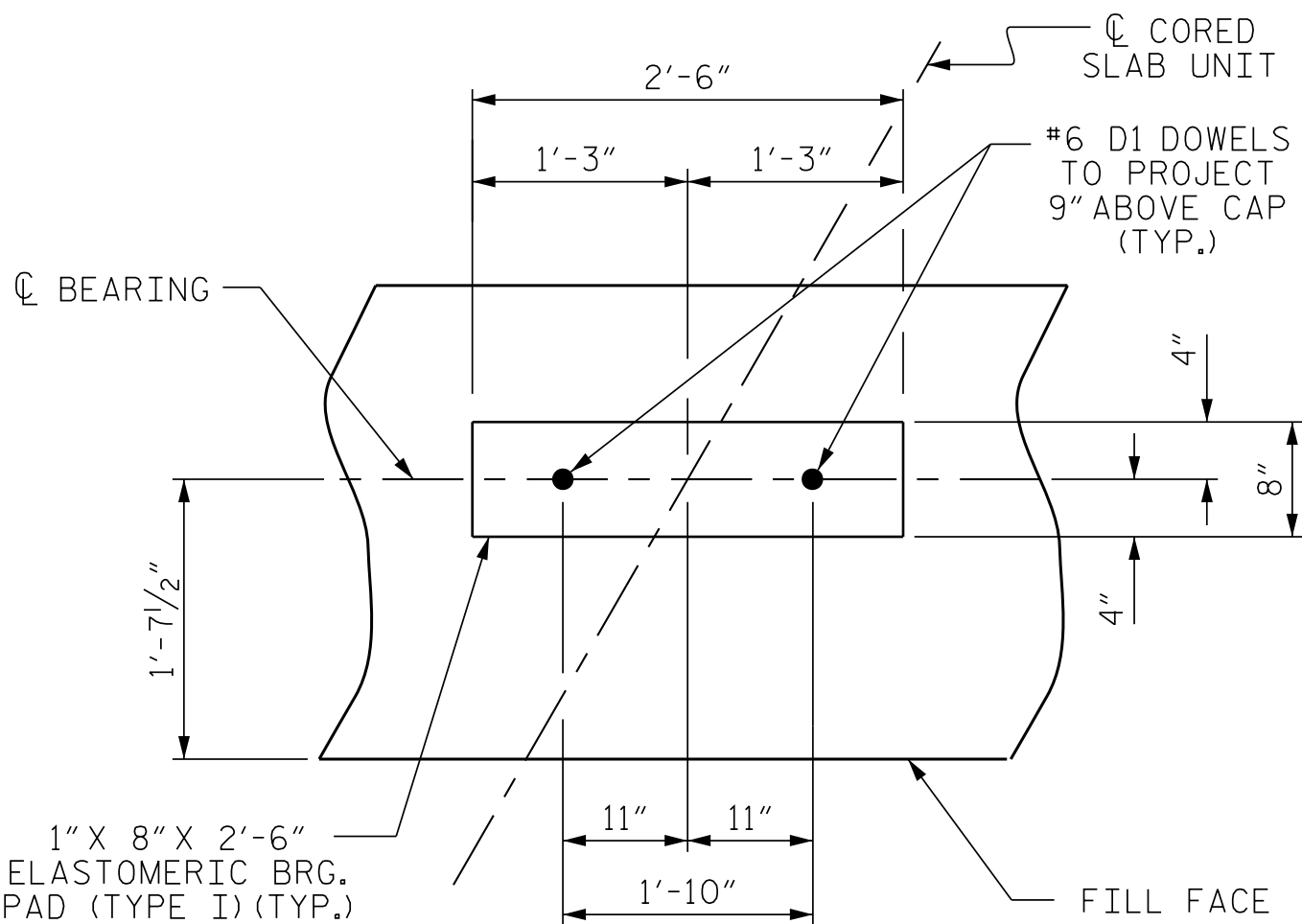


BAGGED STONE AND PIPE SHALL BE PLACED IMMEDIATELY AFTER COMPLETION OF END BENT EXCAVATION. PIPE MAY BE EITHER CONCRETE, CORRUGATED STEEL, CORRUGATED ALUMINUM ALLOY, OR CORRUGATED PLASTIC. PERFORATED PIPE WILL NOT BE ALLOWED.

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.

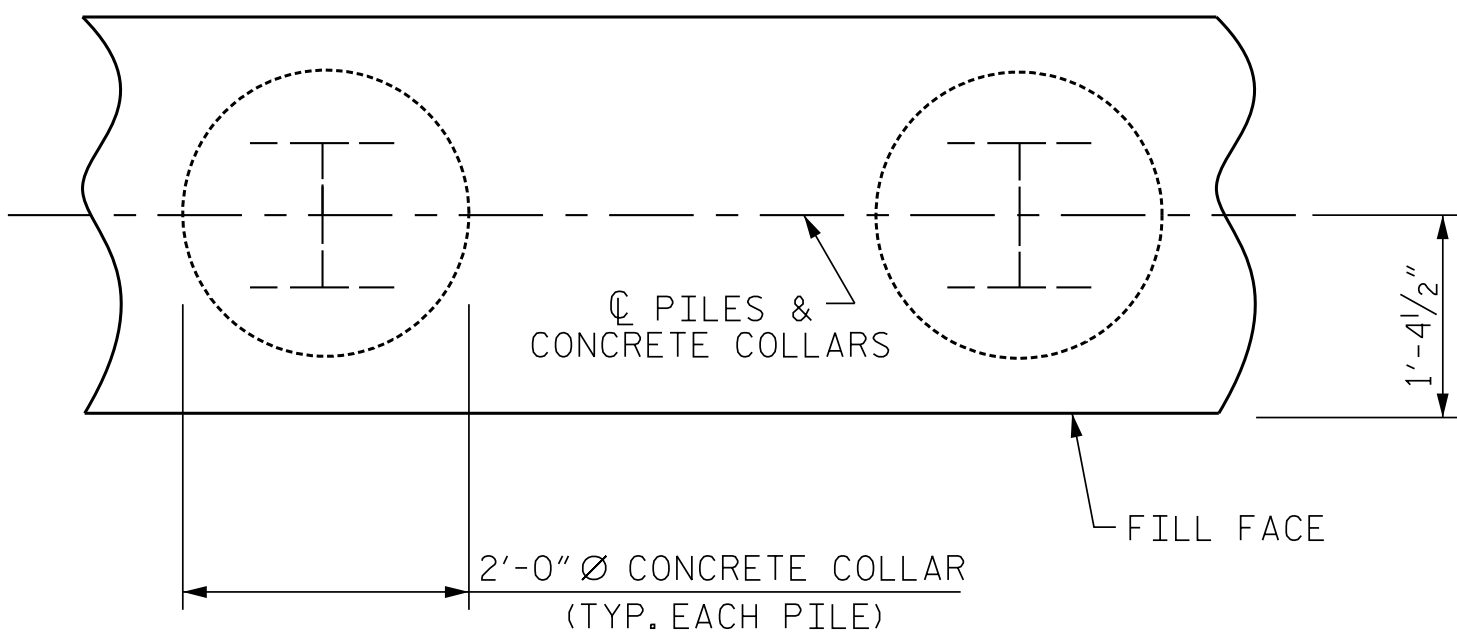
NO SEPARATE PAYMENT WILL BE MADE FOR THIS WORK AND THE ENTIRE COST OF THIS WORK SHALL BE INCLUDED IN THE UNIT CONTRACT PRICE BID FOR THE SEVERAL PAY ITEMS.

## TEMPORARY DRAINAGE AT END BENT



DETAIL "A"

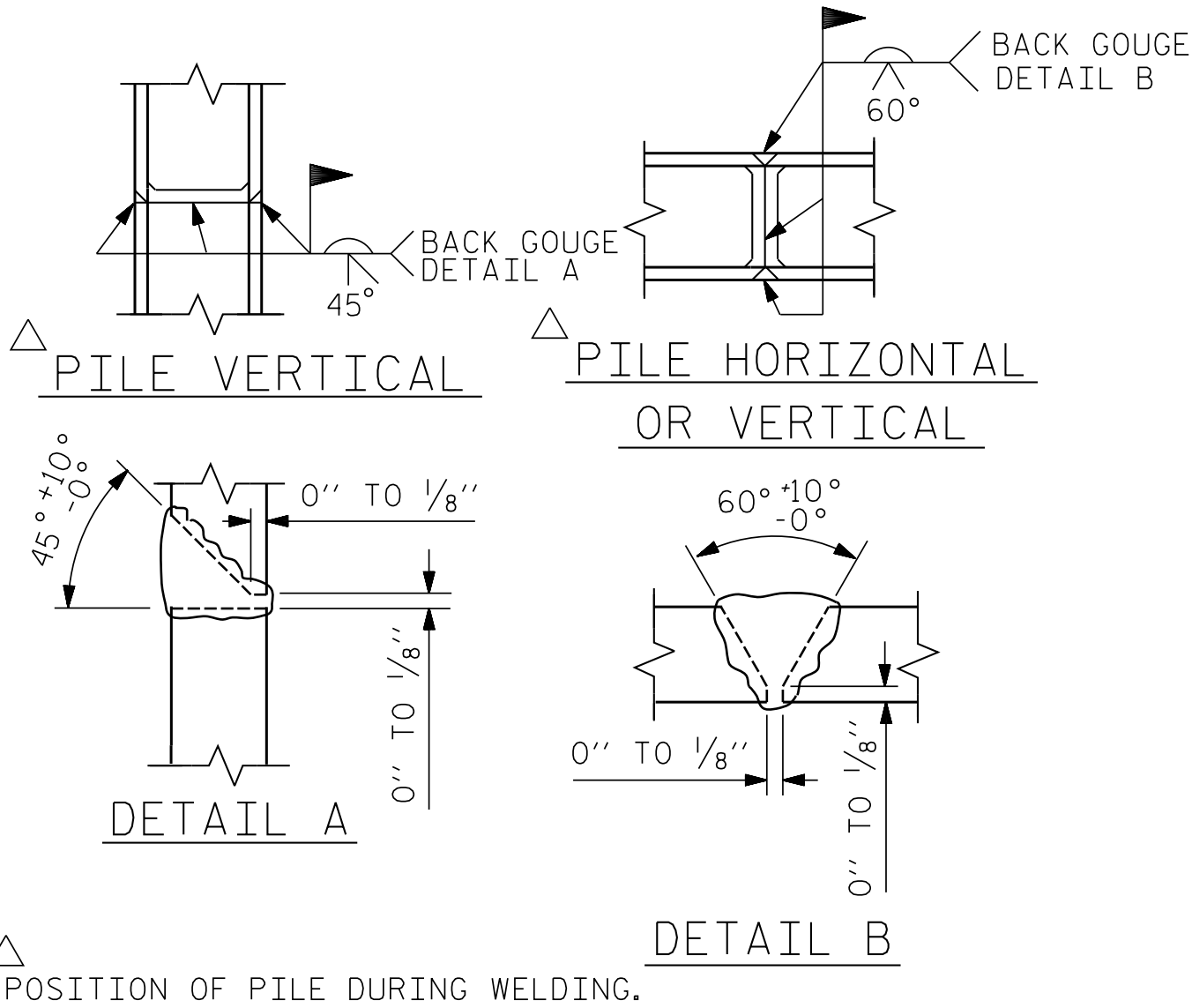
(END BENT No. 1 SHOWN), END BENT No. 2 SIMILAR BY ROTATION)



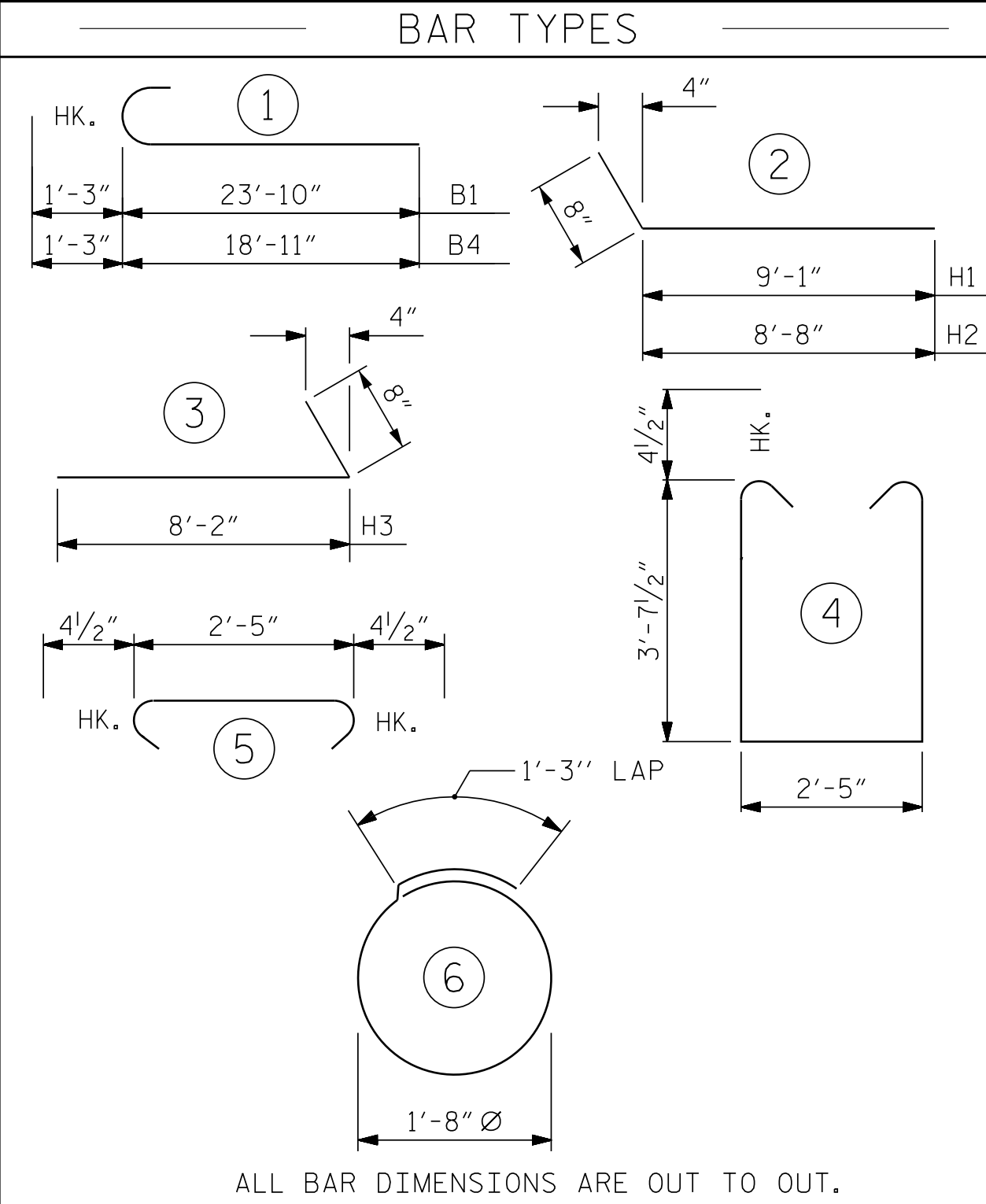
PLAN

## CORROSION PROTECTION FOR STEEL PILES DETAIL

(END BENT No. 1 SHOWN), END BENT No. 2 SIMILAR BY ROTATION)



## PILE SPLICE DETAILS

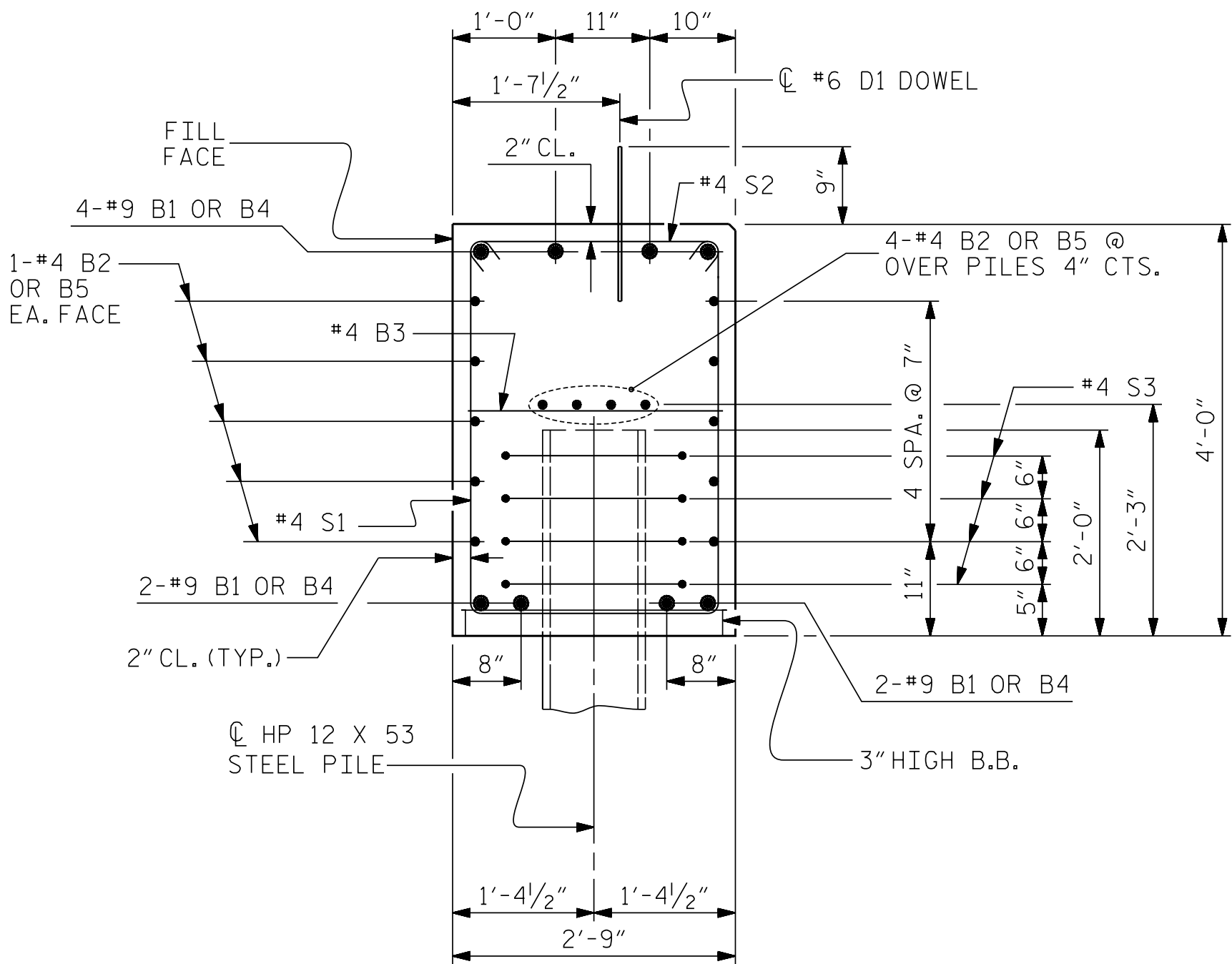


ALL BAR DIMENSIONS ARE OUT TO OUT.

END BENT No. 1 - STAGE I	END BENT No. 1 - STAGE II
HP 12 X 53 STEEL PILES NO: 3 LIN. FT.= 105	HP 12 X 53 STEEL PILES NO: 2 LIN. FT.= 40
STEEL PILE POINTS EA: 3	STEEL PILE POINTS EA: 2
PILE DRIVING EQUIPMENT SETUP FOR HP 12 X 53 STEEL PILES EA. 3	PILE DRIVING EQUIPMENT SETUP FOR HP 12 X 53 STEEL PILES EA. 2
PILE EXCAVATION IN SOIL LIN. FT.= 30	PILE EXCAVATION NOT IN SOIL LIN. FT.= 8

## BILL OF MATERIAL FOR END BENT NO. 1

STAGE I						STAGE II					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT	BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	8	#9	1	25'-1"	682	B3	5	#4	STR	2'-5"	8
B2	14	#4	STR	25'-5"	238	B4	8	#9	1	20'-2"	549
B3	6	#4	STR	2'-5"	10	B5	14	#4	STR	19'-9"	185
D1	10	#6	STR	1'-6"	23	D1	10	#6	STR	1'-6"	23
H3	20	#4	3	8'-10"	118	H1	10	#4	2	9'-9"	65
						H2	10	#4	2	9'-4"	62
K1	8	#4	STR	3'-3"	17	K1	8	#4	STR	3'-3"	17
S1	29	#4	4	10'-5"	202	S1	25	#4	4	10'-5"	174
S2	29	#4	5	3'-2"	61	S2	25	#4	5	3'-2"	53
S3	12	#4	6	6'-6"	52	S3	8	#4	6	6'-6"	35
V1	26	#4	STR	6'-5"	111	V1	27	#4	STR	6'-5"	116
REINFORCING STEEL (FOR STAGE I)						REINFORCING STEEL (FOR STAGE II)					
1514 LBS.						1287 LBS.					
CLASS A CONCRETE BREAKDOWN (FOR END BENT NO. 1 STAGE I)						CLASS A CONCRETE BREAKDOWN (FOR END BENT NO. 1 STAGE II)					
POUR #1 CAP, LOWER PART OF WING & COLLARS						POUR #1 CAP, LOWER PART OF WING & COLLARS					
10.7 C.Y.						9.5 C.Y.					
POUR #2 UPPER PART OF WINGS						POUR #2 UPPER PART OF WING					
1.2 C.Y.						1.2 C.Y.					
TOTAL CLASS A CONCRETE STAGE I						TOTAL CLASS A CONCRETE STAGE II					
11.9 C.Y.						10.7 C.Y.					



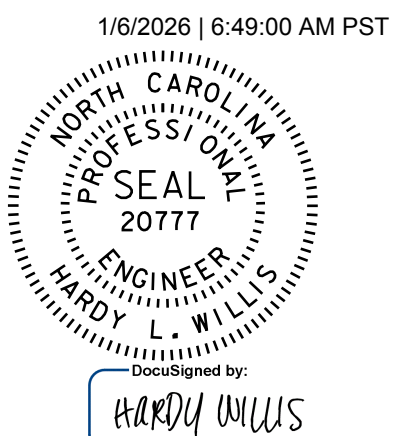
## SECTION A-A

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

DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED



Johnson, Mirmiran, & Thompson Inc.  
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Raleigh, NC, 27609  
License No: C-3097



PROJECT NO. B-6034  
JACKSON COUNTY  
STATION: 13+20.50 -L-

SHEET 6 OF 7

STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
RALEIGH

SUBSTRUCTURE  
END BENT No. 1  
DETAILS  
(STAGE I AND STAGE II)

REVISIONS						SHEET NO. S-17
NO.	BY:	DATE:	NO.	BY:	DATE:	
1			3			TOTAL SHEETS 20
2			4			

STD. NO. EB\_30\_60S4