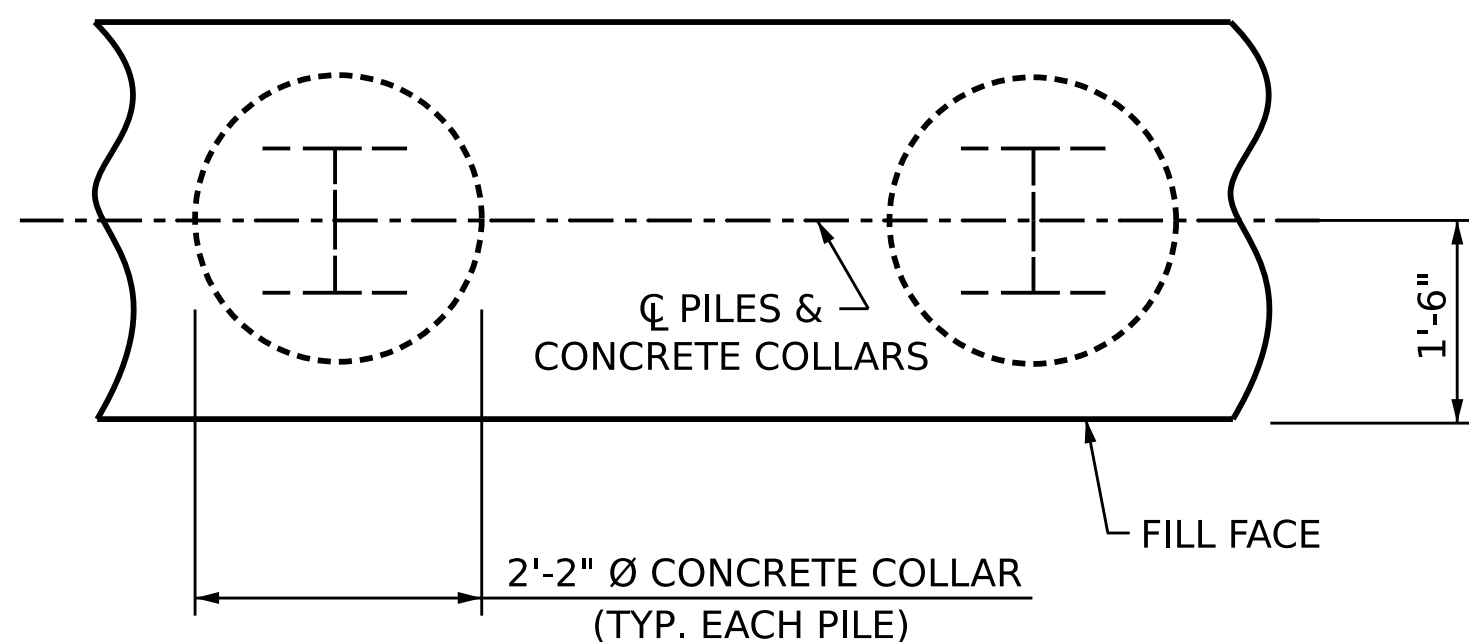
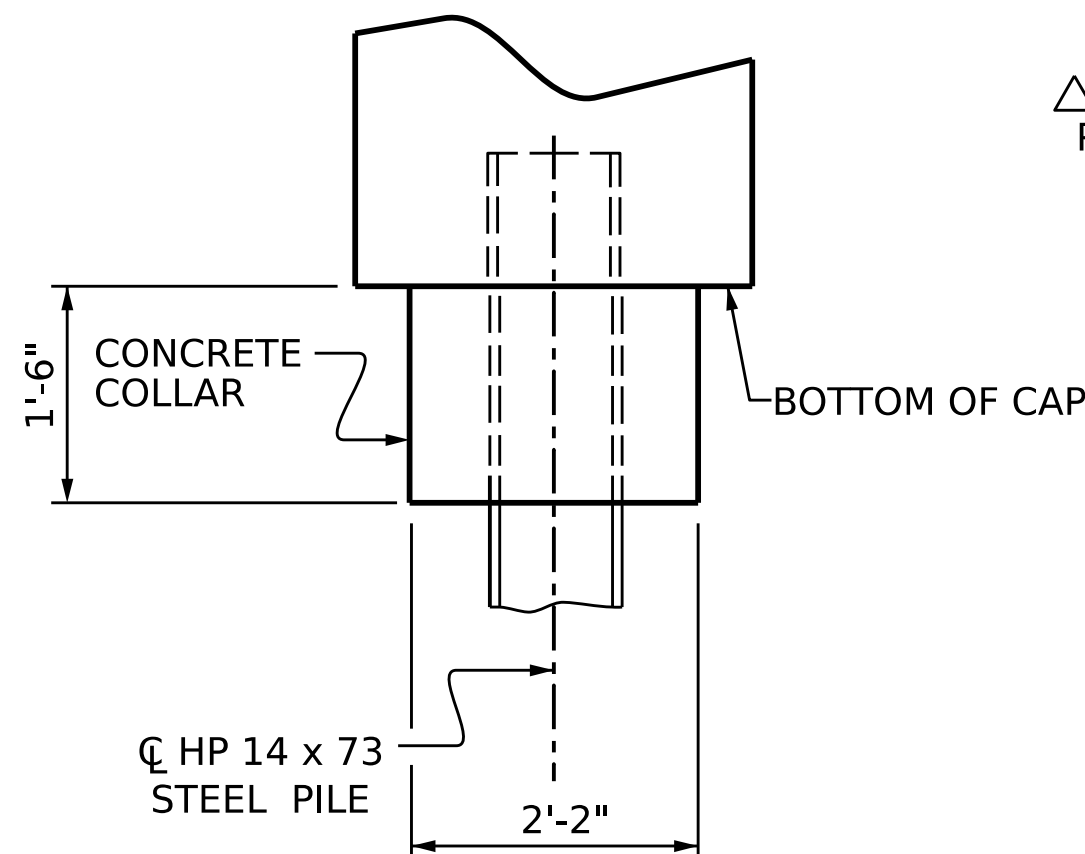


SECTION A-A

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

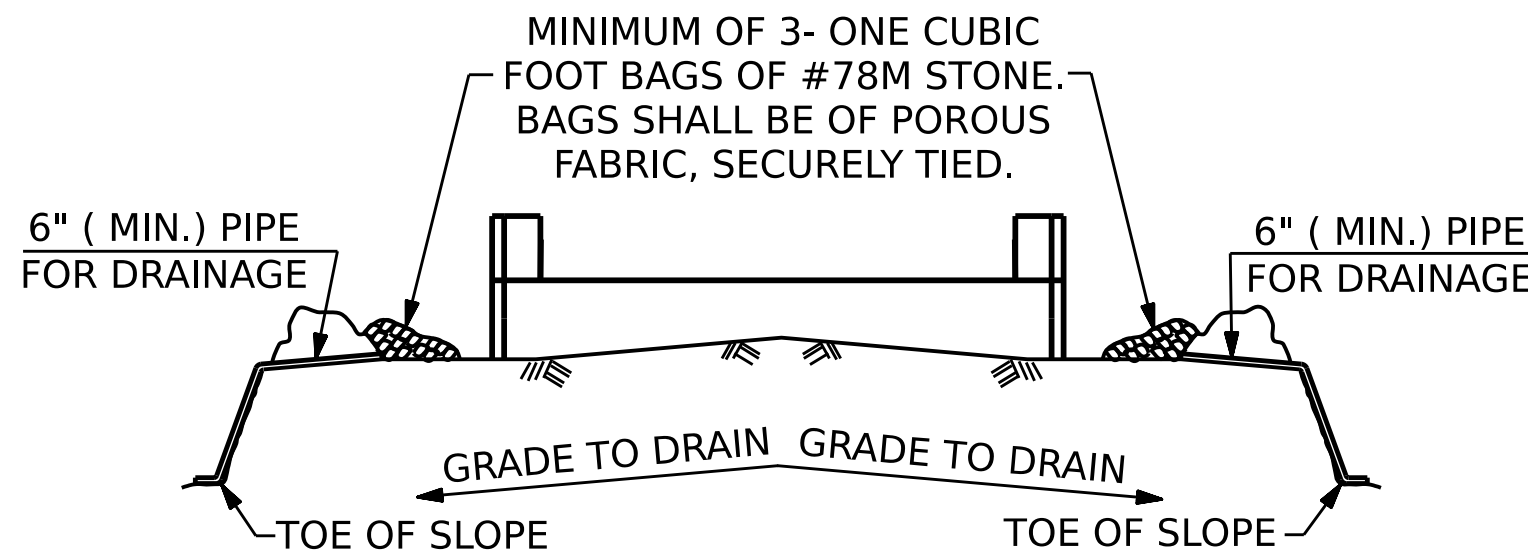


PLAN



ELEVATION

CORROSION PROTECTION FOR STEEL PILES DETAIL

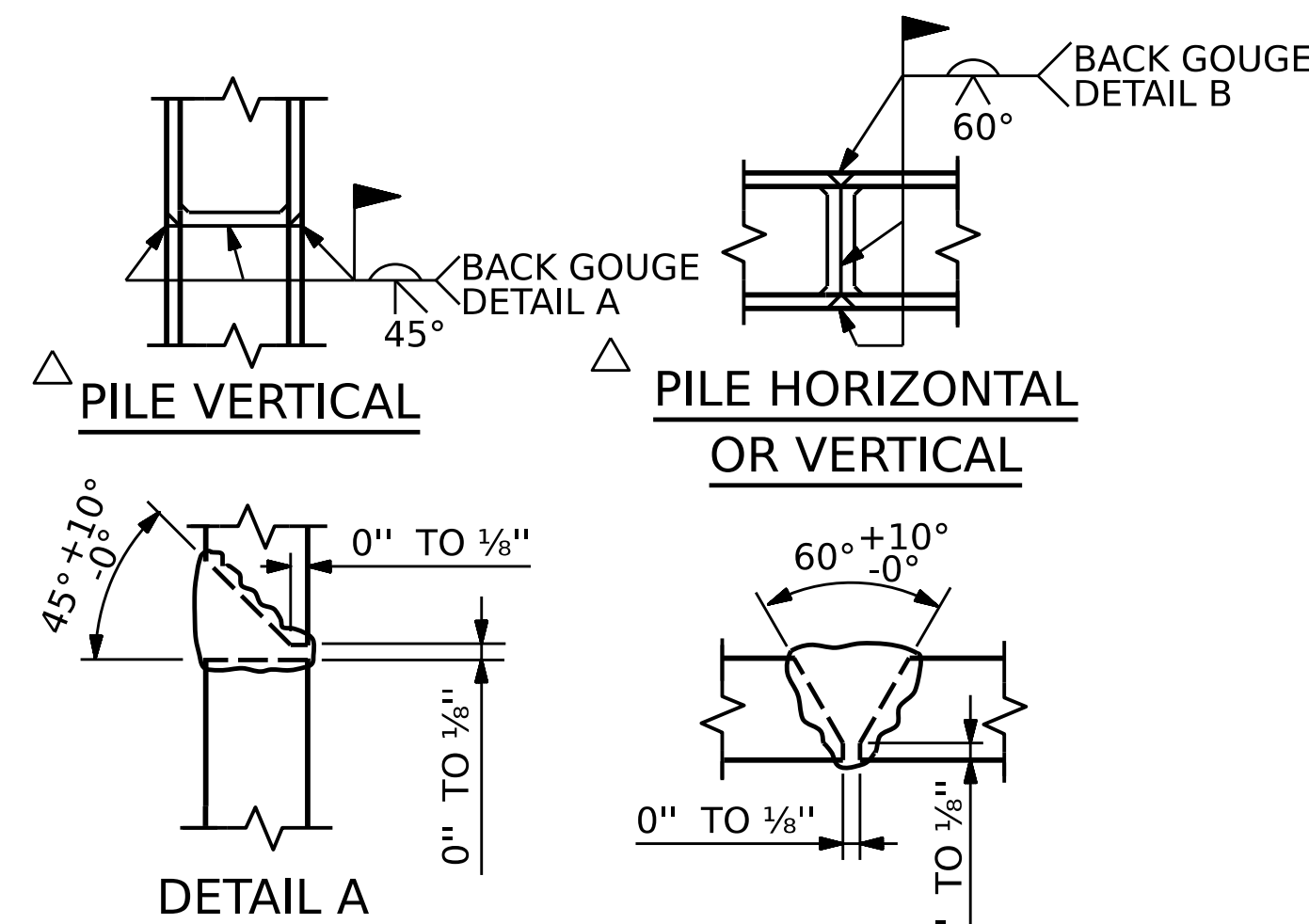


BAGGED STONE AND PIPE SHALL BE PLACED IMMEDIATELY AFTER COMPLETION OF END BENT EXCAVATION. PIPE MAY BE EITHER CONCRETE, CORRUGATED STEEL, CORRUGATED ALUMINUM ALLOY, OR CORRUGATED PLASTIC. PERFORATED PIPE WILL NOT BE ALLOWED.

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.

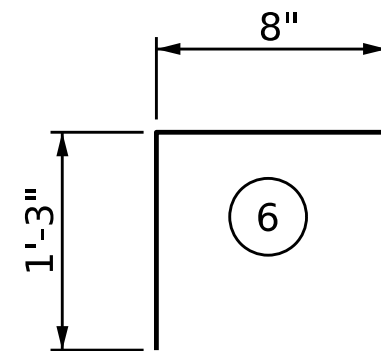
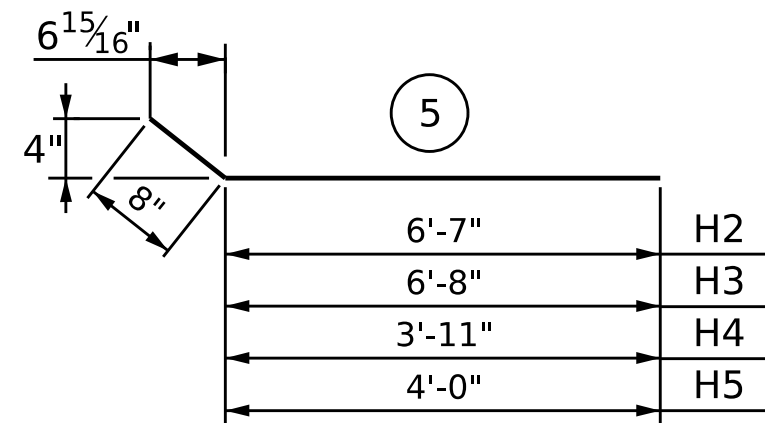
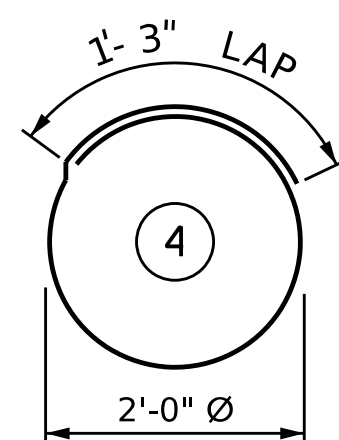
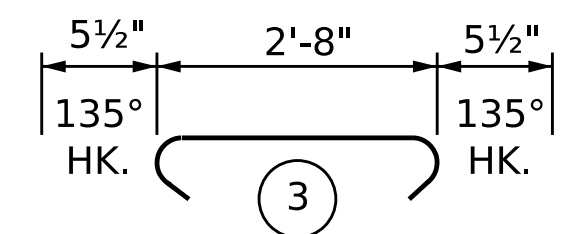
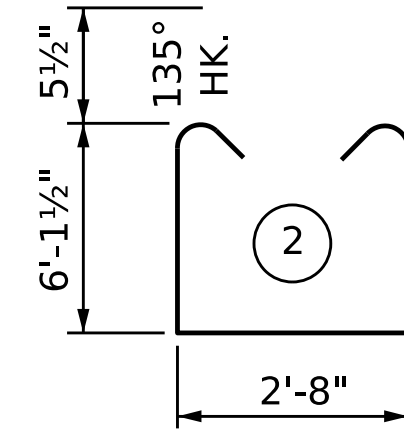
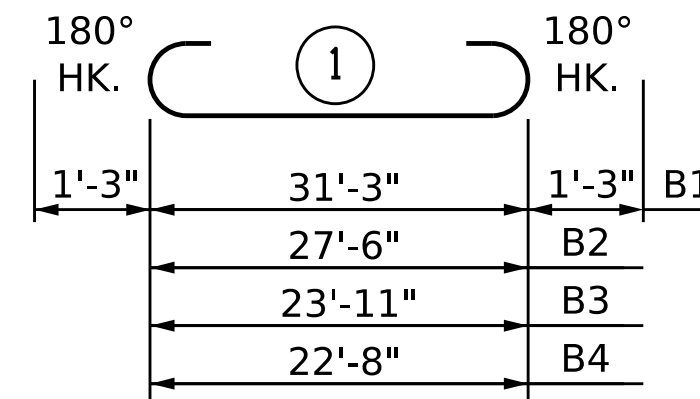
TEMPORARY DRAINAGE AT END BENT



POSITION OF PILE DURING WELDING.

PILE SPLICE DETAILS

BAR TYPES



ALL BAR DIMENSIONS ARE OUT TO OUT

BILL OF MATERIAL

END BENT 2

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	2	#9	1	33'-9"	230
B2	2	#9	1	30'-0"	204
B3	2	#9	1	26'-5"	180
B4	2	#9	1	25'-2"	171
B5	9	#5	STR.	31'-3"	293
B6	9	#5	STR.	22'-8"	213
B7	4	#4	STR.	23'-11"	64
B8	7	#4	STR.	2'-8"	12
H1	44	#4	STR.	10'-3"	301
H2	2	#4	5	7'-3"	10
H3	2	#4	5	7'-4"	10
H4	2	#4	5	4'-7"	6
H5	2	#4	5	4'-8"	6
H6	4	#4	STR.	6'-11"	18
K1	6	#4	STR.	29'-4"	118
S1	26	#5	2	15'-10"	429
S2	26	#5	3	3'-7"	97
S3	20	#4	4	7'-7"	101
S4	30	#4	6	3'-2"	63
V1	60	#4	STR.	7'-8"	307
V2	4	#4	STR.	7'-7"	20
V3	4	#4	STR.	7'-5"	20
V4	4	#4	STR.	7'-3"	19
V5	4	#4	STR.	7'-1"	19
V6	4	#4	STR.	6'-11"	18
V7	4	#4	STR.	6'-9"	18
V8	4	#4	STR.	6'-7"	18

REINFORCING STEEL				
TOTAL				

CLASS A CONCRETE				
POUR #1 (CAP, LOWER PART OF WINGS & COLLARS)				
POUR #2 (UPPER PART OF WINGS AND BACKWALL)				
TOTAL				

PROJECT NO.: 18314.1044073

HAYWOOD COUNTY

STATION: 12+13.00 -L-

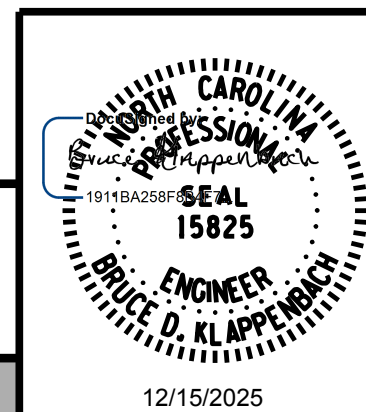
SHEET 3 OF 3

STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
RALEIGH

SUBSTRUCTURE  
END BENT 2  
DETAILS AND  
BILL OF MATERIAL

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

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