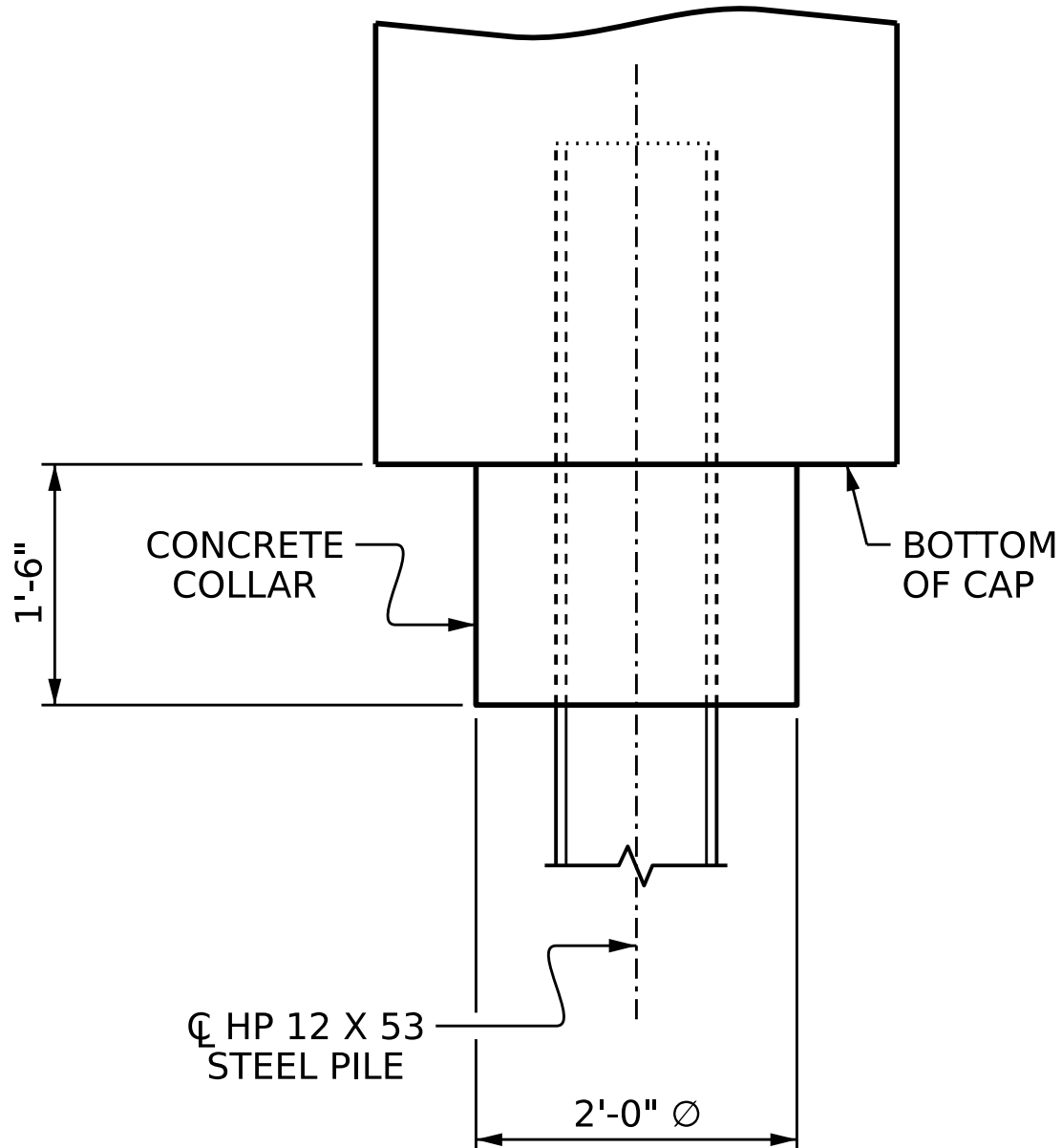
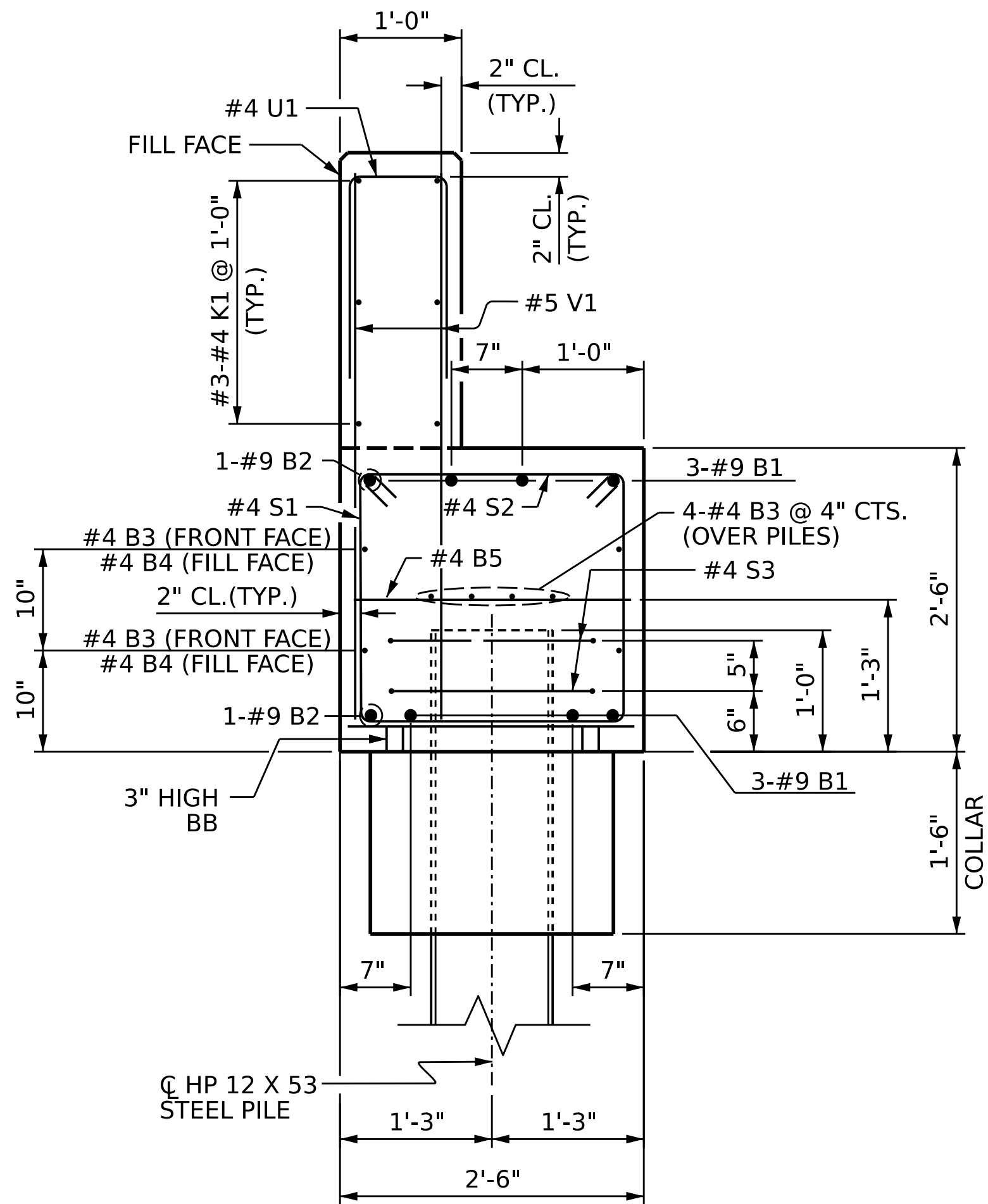


PLAN

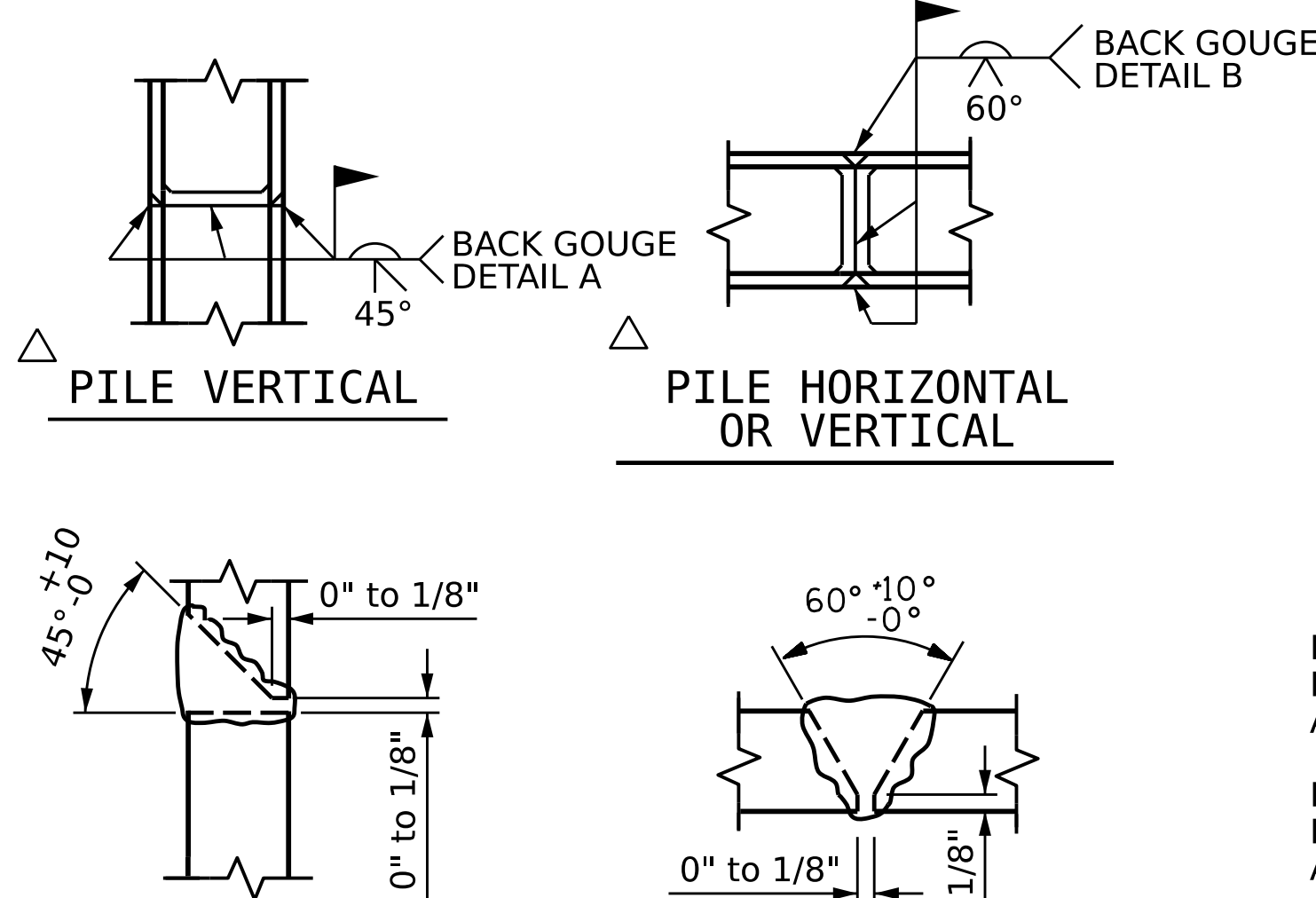


ELEVATION

CORROSION PROTECTION FOR STEEL PILES DETAIL



SECTION A-A



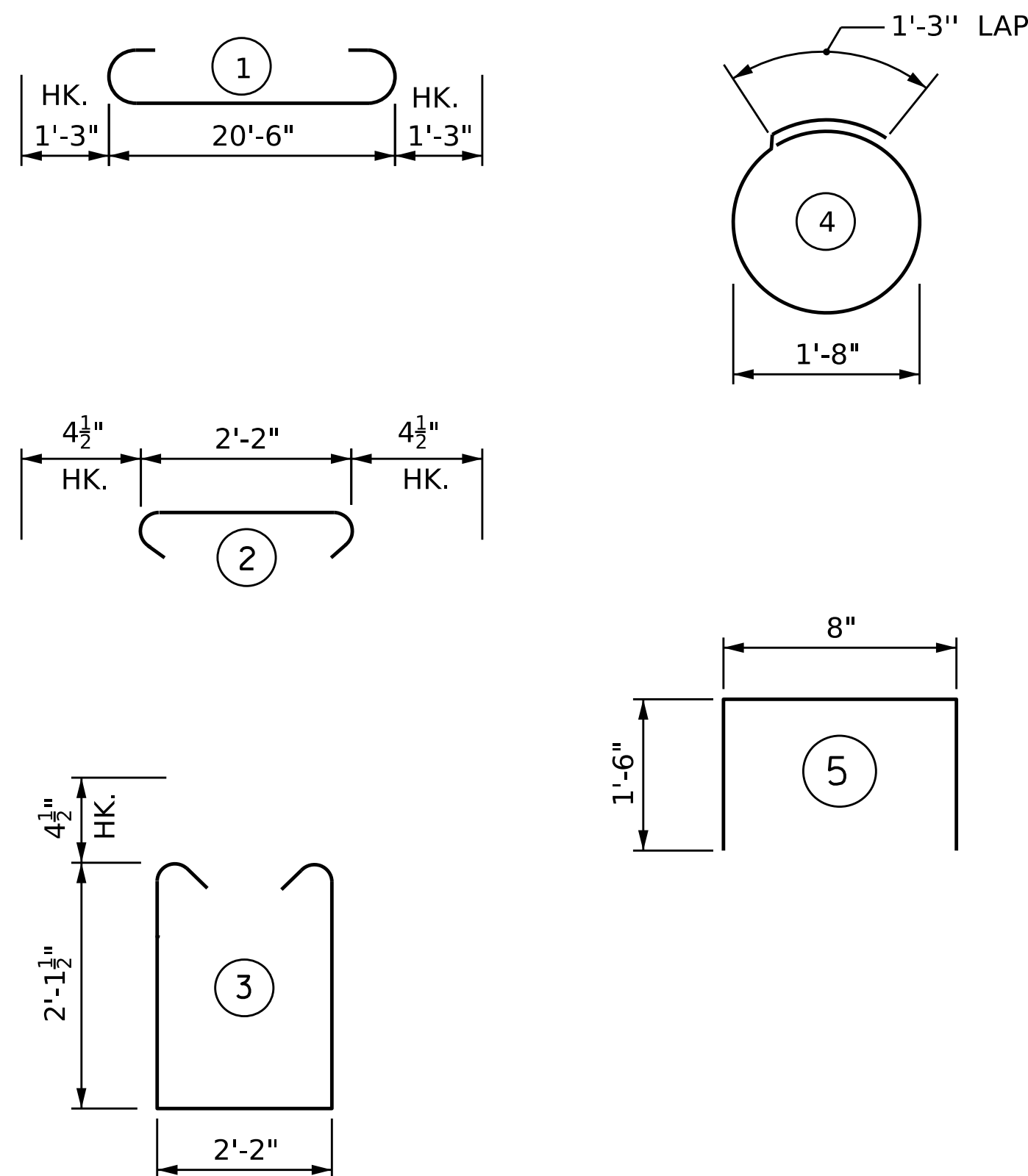
DETAIL A

DETAIL B

POSITION OF PILE DURING WELDING

PILE SPLICE DETAILS

BAR TYPES



ALL BAR DIMENSIONS ARE OUT TO OUT.

BILL OF MATERIAL

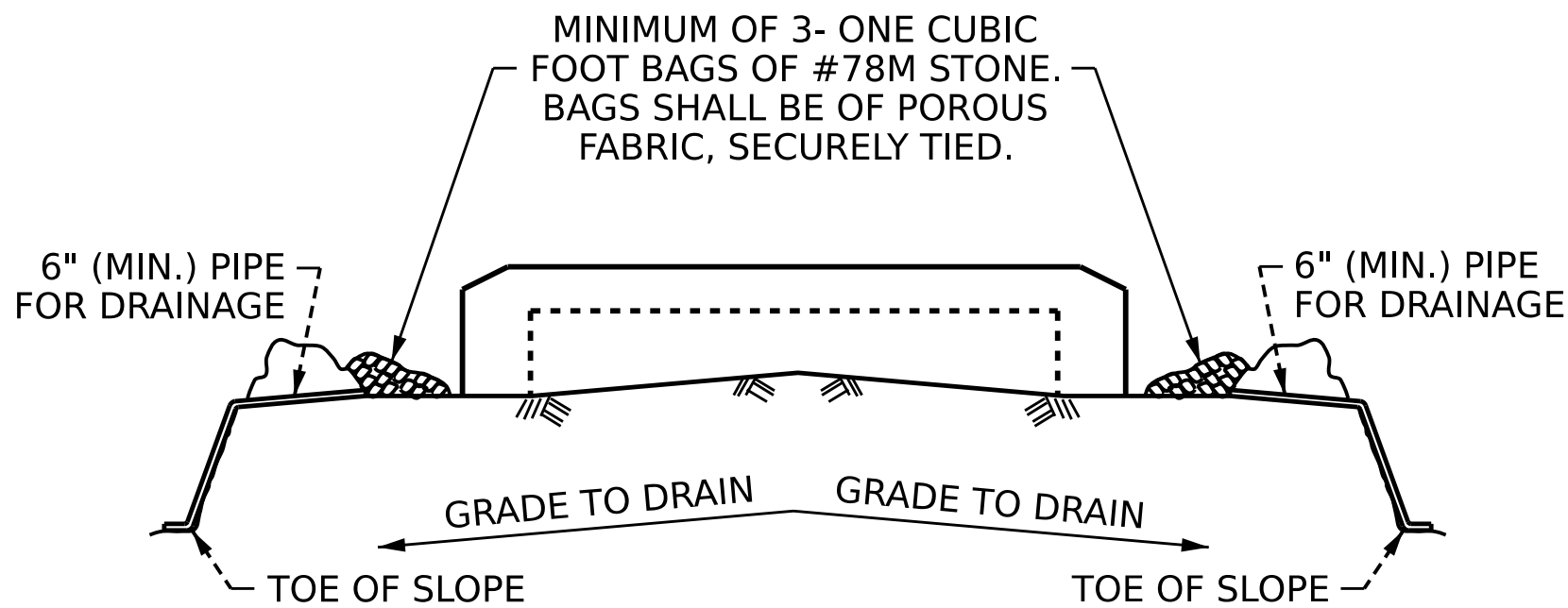
FOR ONE END BENT

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	6	#9	1	23'-0"	469
B2	2	#9	STR	26'-8"	181
B3	6	#4	STR	20'-8"	83
B4	2	#4	STR	26'-8"	36
B5	6	#4	STR	2'-2"	9
H1	8	#5	STR	5'-2"	43
K1	6	#4	STR	26'-8"	107
S1	19	#4	3	7'-2"	91
S2	19	#4	2	2'-11"	37
S3	8	#4	4	6'-6"	35
U1	23	#4	5	3'-8"	56
V1	46	#5	STR	4'-6"	216
V2	4	#5	STR	4'-3"	18
V3	4	#5	STR	3'-9"	16

REINFORCING STEEL 1397 LBS.

CLASS A CONCRETE BREAKDOWN

POUR #1	(COLLARS, CAP & LOWER WINGS)	6.1 C.Y.
POUR #2	(BACKWALL & UPPER WINGS)	2.4 C.Y.
CLASS A CONCRETE TOTAL		8.5 C.Y.

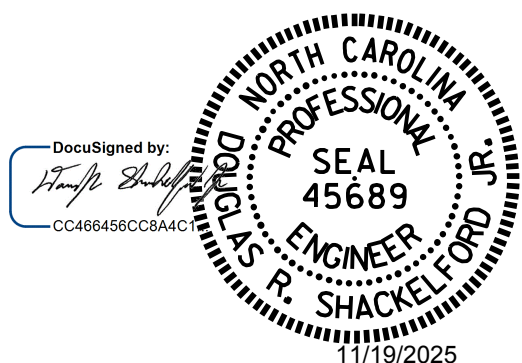


BAGGED STONE AND PIPE SHALL BE PLACED IMMEDIATELY AFTER COMPLETION OF END BENT EXCAVATION. PIPE MAY BE EITHER CONCRETE, CORRUGATED STEEL, CORRUGATED ALUMINUM ALLOY, OR CORRUGATED PLASTIC. PERFORATED PIPE WILL NOT BE ALLOWED.

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



PROJECT NO. **30001.WIUM.002**
WAKE COUNTY
STATION: **12+87.00 -L1-**

SHEET 2 OF 2

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

SUBSTRUCTURE

END BENT No. 1 & 2

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

DOCUMENT NOT CONSIDERED
FINAL UNLESS ALL
SIGNATURES COMPLETED

DRAWN BY : P. D. BRYANT DATE : 08/2025
CHECKED BY : D. SHACKELFORD DATE : 08/2025
DESIGN ENGINEER OF RECORD: P. D. BRYANT DATE : 08/2025