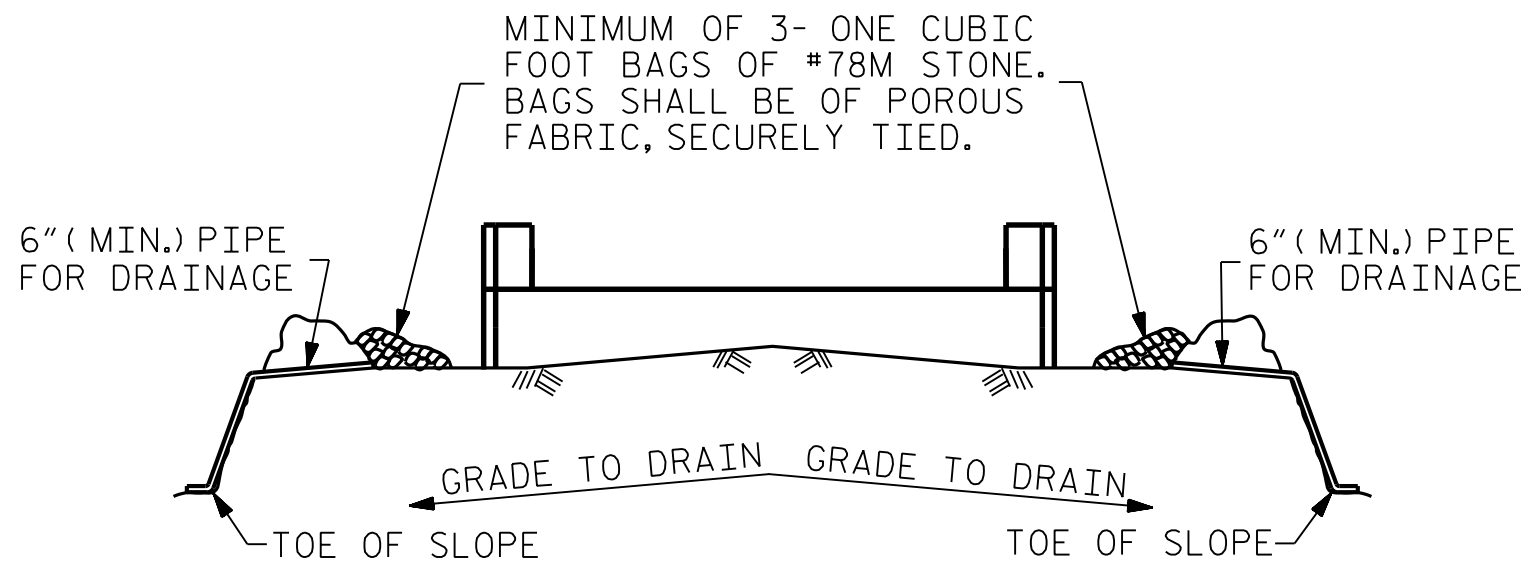


R:\Structures\DCN\Final\BP1.R021.1.SMU.E2C.570025.dgn
7/6/2026 bgonfa

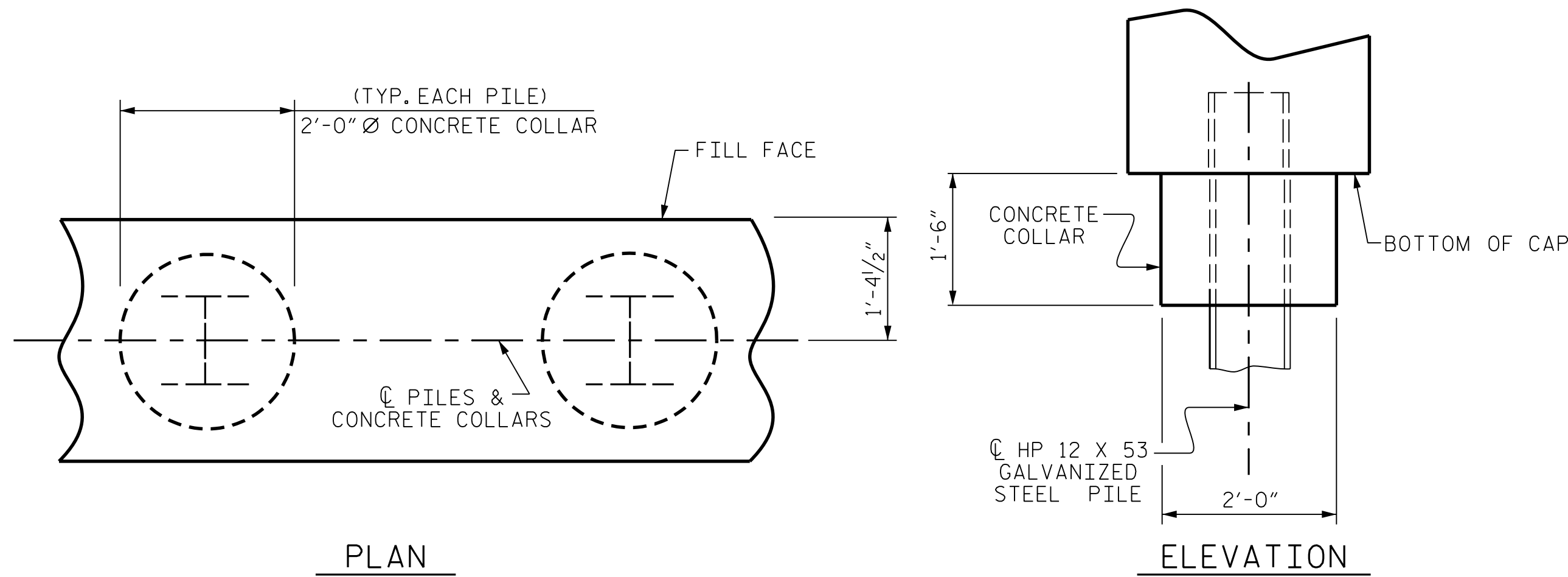


BAGGED STONE AND PIPE SHALL BE PLACED IMMEDIATELY AFTER COMPLETION OF END BENT EXCAVATION. PIPE MAY BE EITHER CONCRETE, CORRUGATED STEEL, CORRUGATED ALUMINUM ALLOY, OR CORRUGATED PLASTIC. PERFORATED PIPE WILL NOT BE ALLOWED.

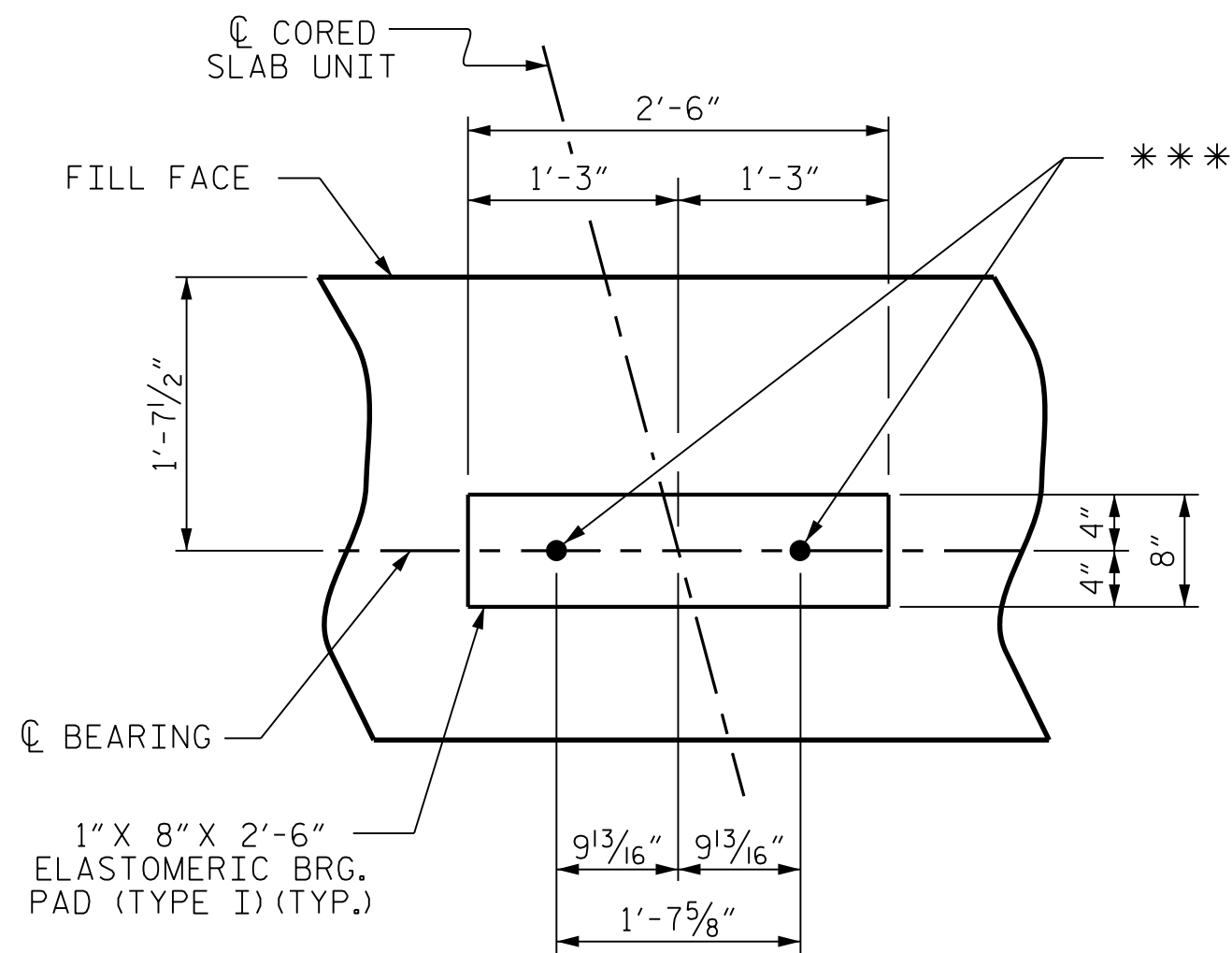
BAGGED STONE SHALL REMAIN IN PLACE UNTIL THE ENGINEER DIRECTS THAT IT BE REMOVED. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF SILT ACCUMULATIONS AT BAGGED STONE WHEN SO DIRECTED BY THE ENGINEER. BAGS SHALL BE REMOVED AND REPLACED WHENEVER THE ENGINEER DETERMINES THAT THEY HAVE DETERIORATED AND LOST THEIR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

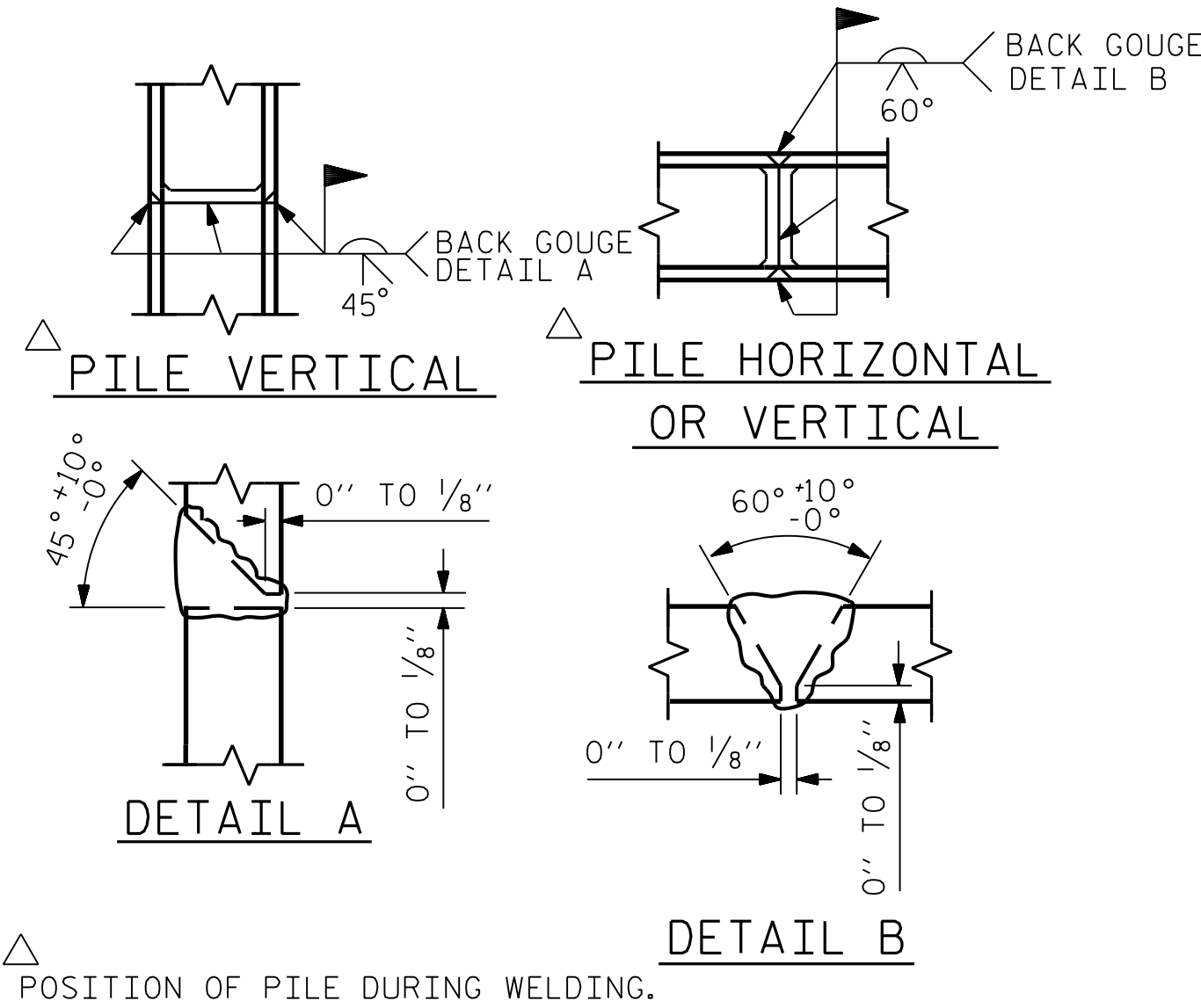
TEMPORARY DRAINAGE AT END BENT



CORROSION PROTECTION FOR GALVANIZED STEEL PILES DETAIL



*** AT EXTERIOR CORED SLAB UNITS, 7/8" Ø ANCHOR BOLTS TO PROJECT 1'-9" ABOVE CAP
AT INTERIOR CORED SLAB UNITS, #6 D1 DOWELS TO PROJECT 9" ABOVE CAP



PILE SPLICE DETAILS

BAR TYPES						BILL OF MATERIAL					
						FOR END BENT 2					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT	BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	8	#9		39'-4"	1070	B1	8	#9		39'-4"	1070
B2	16	#4	STR	19'-9"	211	B2	16	#4	STR	19'-9"	211
B3	10	#4	STR	2'-5"	16	B3	10	#4	STR	2'-5"	16
D1	16	#6	STR	1'-6"	36	D1	16	#6	STR	1'-6"	36
H1	6	#4	2	7'-7"	30	H1	6	#4	2	7'-7"	30
H2	6	#4	2	7'-9"	31	H2	6	#4	2	7'-9"	31
H3	6	#4	3	8'-0"	32	H3	6	#4	3	8'-0"	32
H4	6	#4	3	7'-10"	31	H4	6	#4	3	7'-10"	31
K1	12	#4	STR	3'-1"	25	K1	12	#4	STR	3'-1"	25
S1	48	#4	4	7'-5"	238	S1	48	#4	4	7'-5"	238
S2	48	#4	5	3'-2"	102	S2	48	#4	5	3'-2"	102
S3	10	#4	6	6'-6"	43	S3	10	#4	6	6'-6"	43
V1	49	#4	STR	4'-8"	153	V1	49	#4	STR	4'-8"	153
						REINFORCING STEEL (FOR ONE END BENT)					
						2018 LBS.					
						CLASS A CONCRETE BREAKDOWN (FOR ONE END BENT)					
						POUR #1 CAP, LOWER PART OF WINGS & COLLARS					
						11.6 C.Y.					
						POUR #2 UPPER PART OF WINGS					
						1.8 C.Y.					
						TOTAL CLASS A CONCRETE					
						13.4 C.Y.					

ALL BAR DIMENSIONS ARE OUT TO OUT.

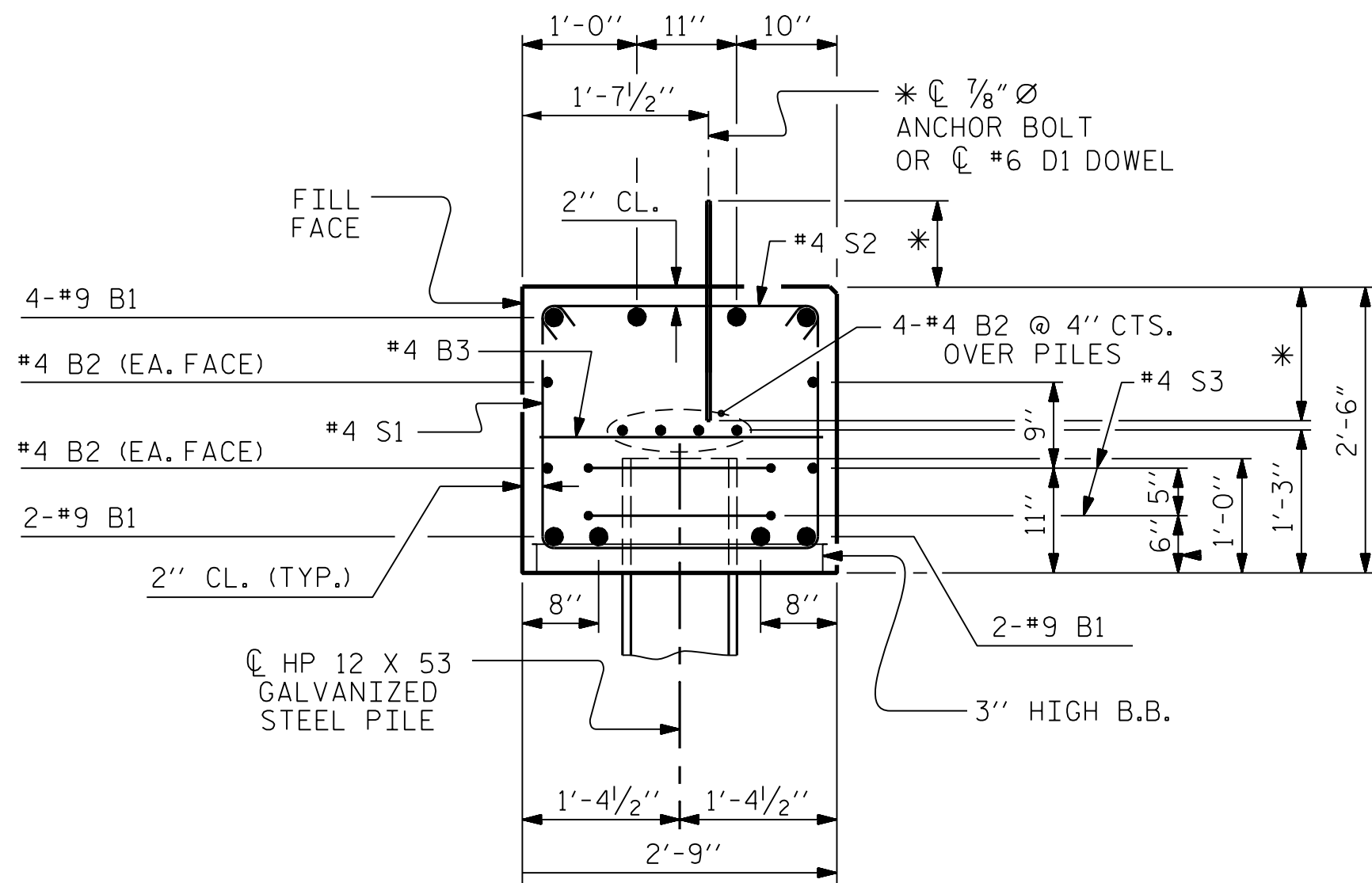
END BENT No. 2

HP 12 X 53 GALVANIZED STEEL PILES
NO: 5
LIN. FT.= 500

PILE DRIVING EQUIPMENT SETUP
FOR HP 12 X 53 GALVANIZED
STEEL PILES
NO: 5

PILE REDRIVES
NO: **

** SEE SHEET S-2

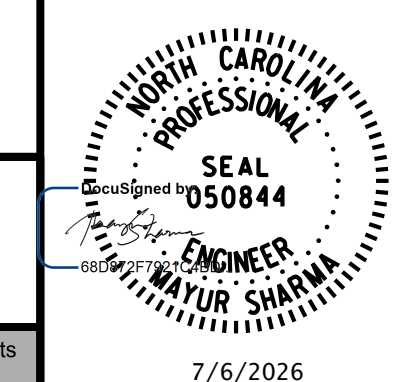


(CONCRETE COLLAR NOT SHOWN FOR CLARITY.
SEE "CORROSION PROTECTION FOR GALVANIZED STEEL PILES DETAIL.")
* FOR ANCHOR BOLT ASSEMBLY & DOWEL DETAILS, SEE SHEET S-5

PROJECT NO. BP1.R021.1
MARTIN COUNTY
STATION: 13+33.50 -L-

SHEET 3 OF 3

BRIDGE NO. 570025



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

SUBSTRUCTURE
END BENT 2 BILL OF MATERIAL AND DETAILS

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	
1			3			S-14
2			4			
TOTAL SHEETS						16

ASSEMBLED BY: B. H. GONFA
CHECKED BY: M. SHARMA
DESIGN ENGINEER OF RECORD: M. SHARMA
DATE: MAR 2026
DATE: MAR 2026
DATE: MAR 2026

DRAWN BY: DGE
CHECKED BY: MKT
12/09
01/10
REV. 4/17
MAA/THC