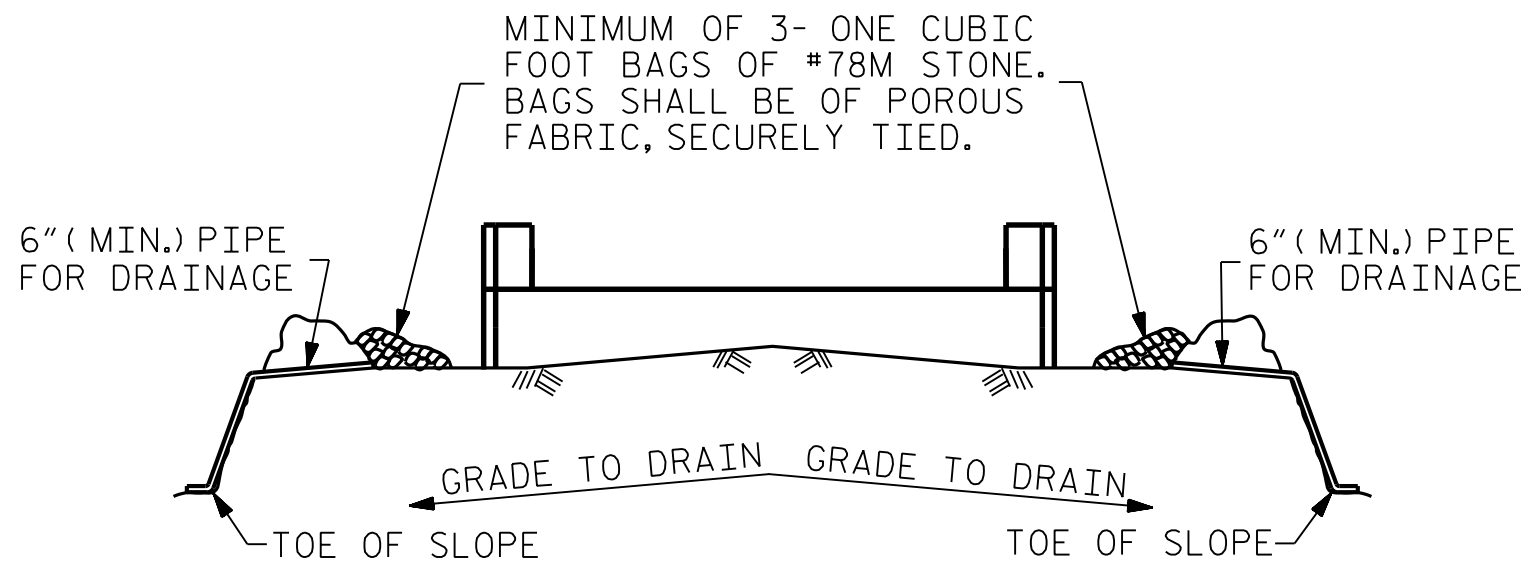


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7/6/2026  
bgonfa

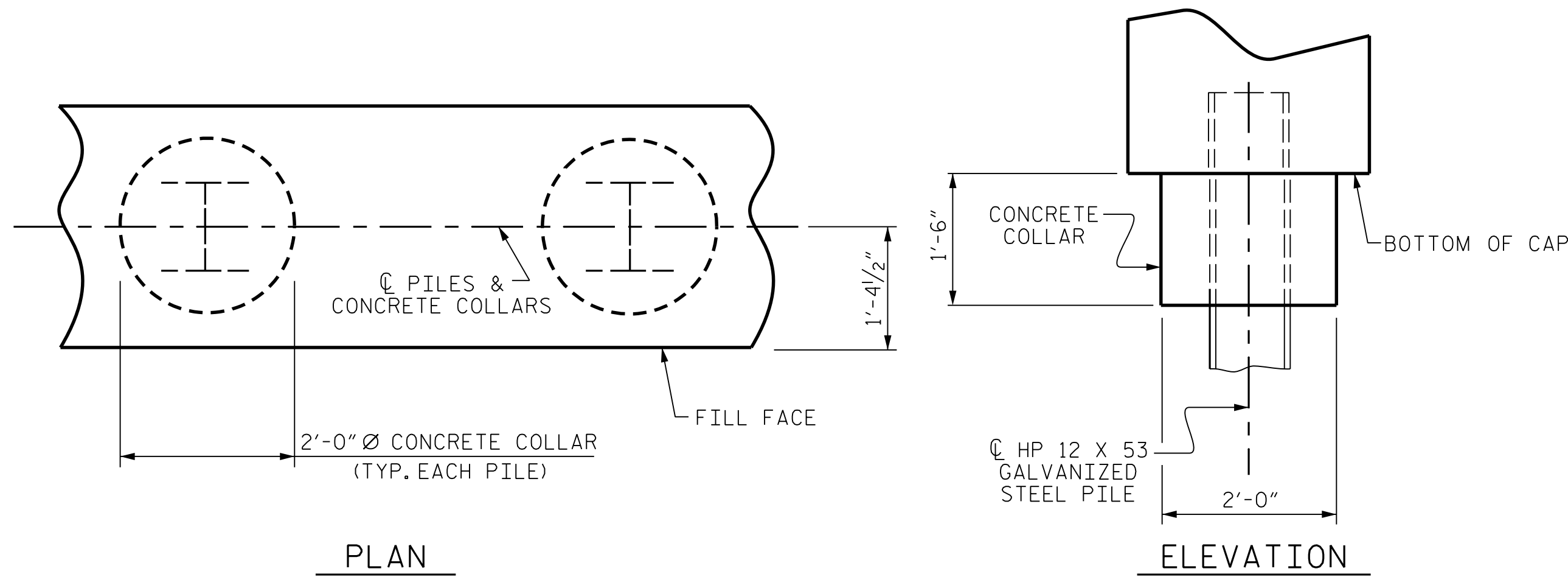


BAGGED STONE AND PIPE SHALL BE PLACED IMMEDIATELY AFTER COMPLETION OF END BENT EXCAVATION. PIPE MAY BE EITHER CONCRETE, CORRUGATED STEEL, CORRUGATED ALUMINUM ALLOY, OR CORRUGATED PLASTIC. PERFORATED PIPE WILL NOT BE ALLOWED.

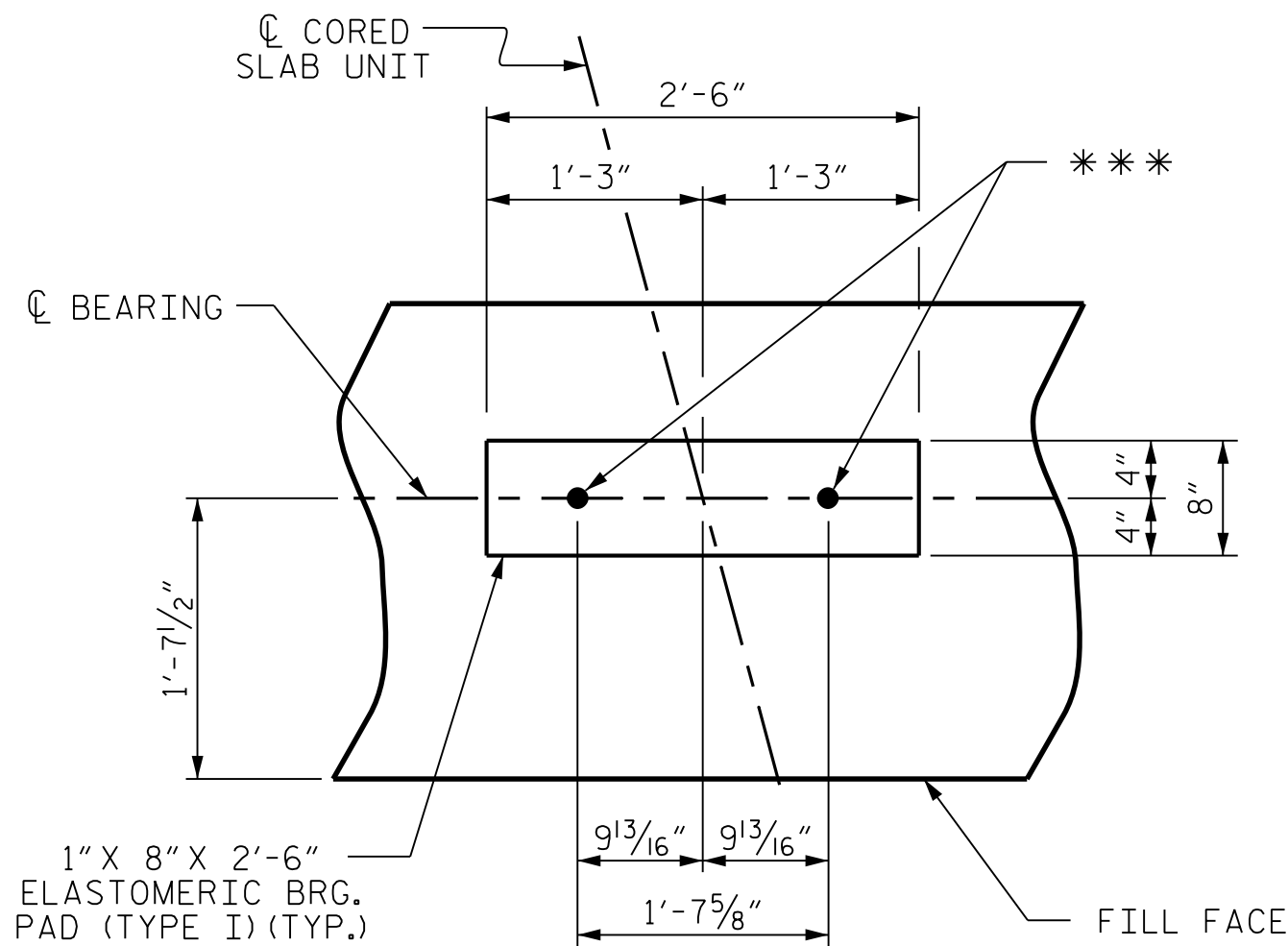
BAGGED STONE SHALL REMAIN IN PLACE UNTIL THE ENGINEER DIRECTS THAT IT BE REMOVED. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF SILT ACCUMULATIONS AT BAGGED STONE WHEN SO DIRECTED BY THE ENGINEER. BAGS SHALL BE REMOVED AND REPLACED WHENEVER THE ENGINEER DETERMINES THAT THEY HAVE DETERIORATED AND LOST THEIR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

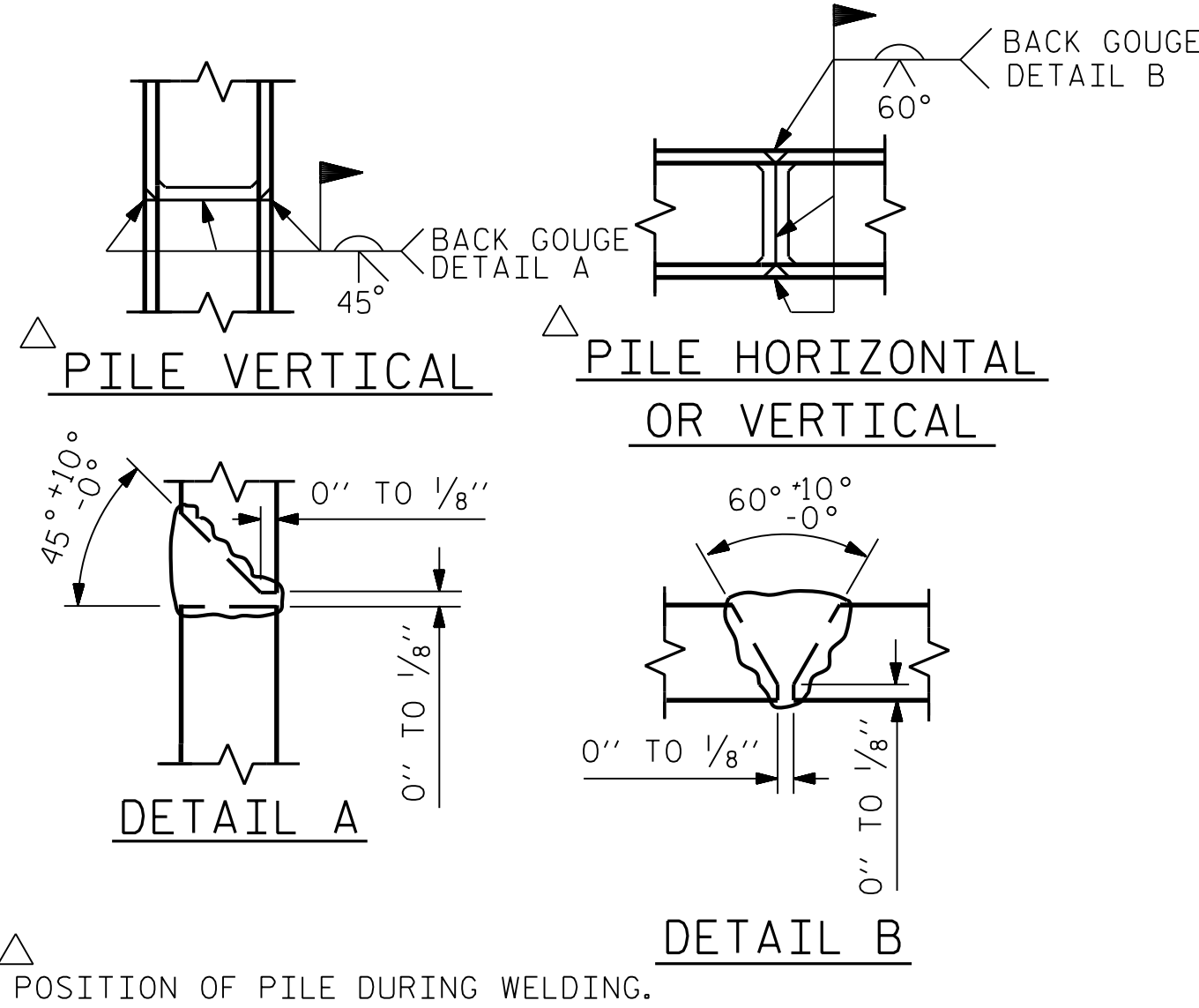
## TEMPORARY DRAINAGE AT END BENT



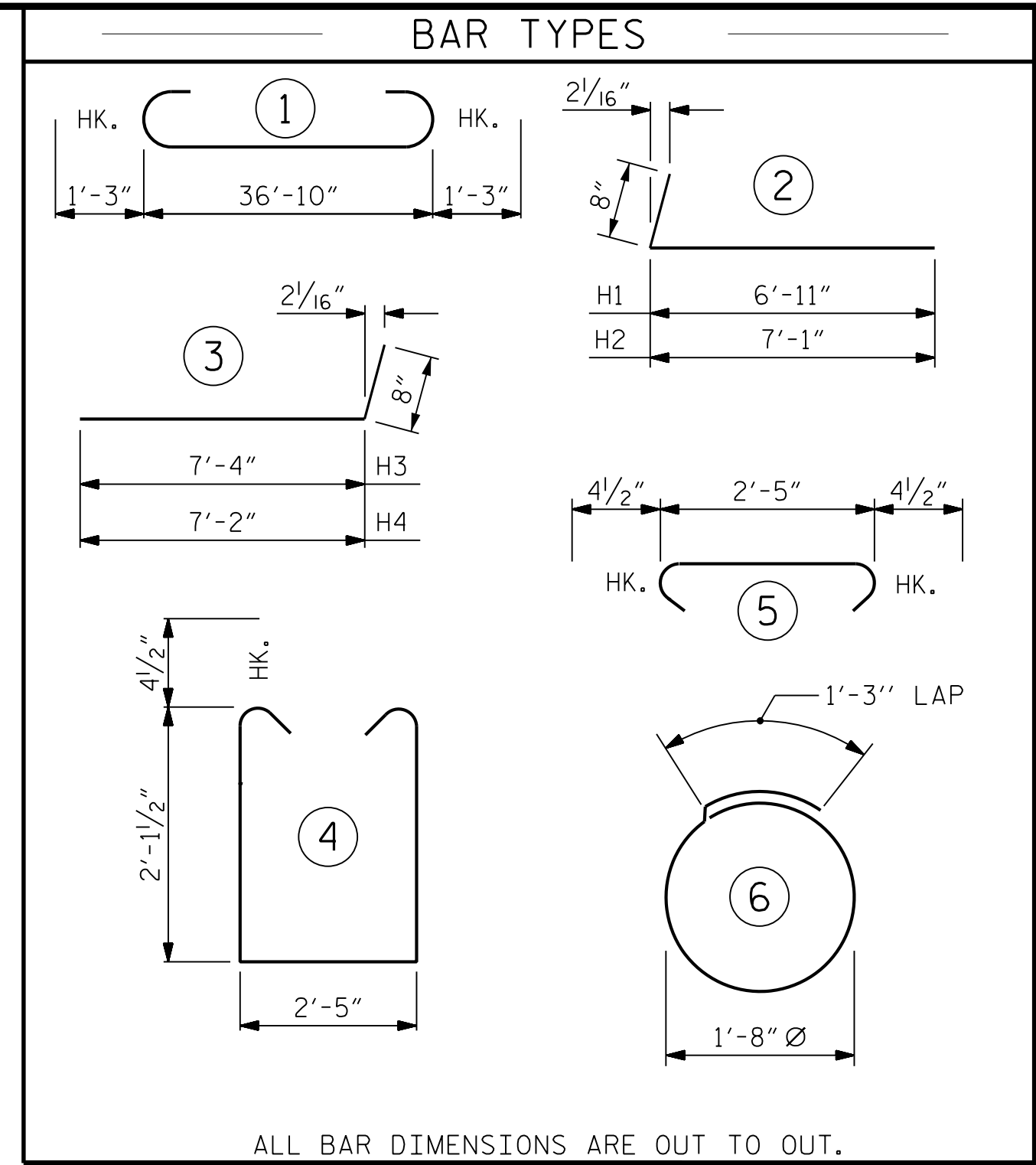
## CORROSION PROTECTION FOR GALVANIZED STEEL PILES DETAIL



\*\*\* 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

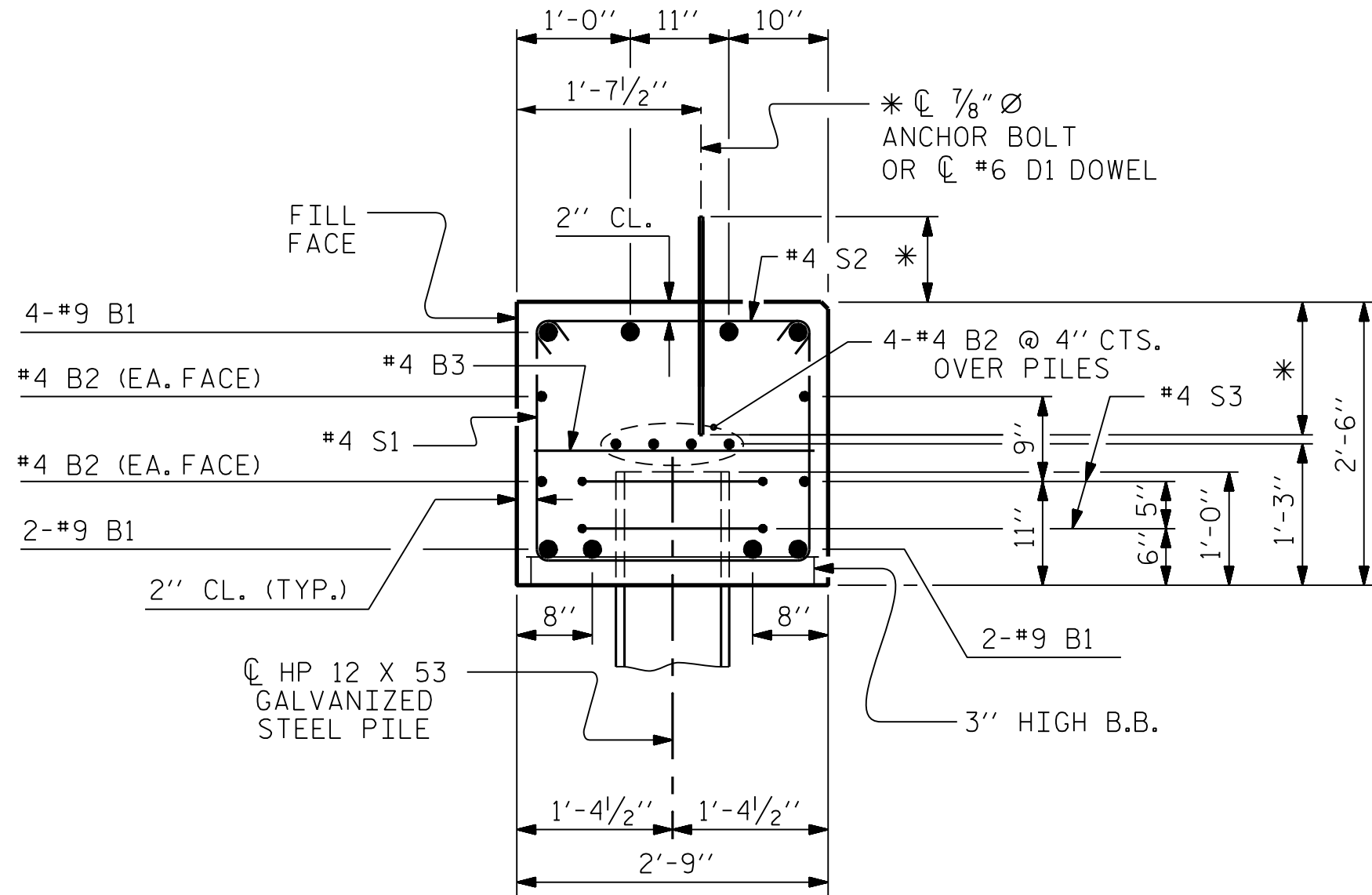


## PILE SPLICE DETAILS



| END BENT No. 1                                                     |               |
|--------------------------------------------------------------------|---------------|
| 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



| BILL OF MATERIAL FOR END BENT 1 |     |      |      |        |        |
|---------------------------------|-----|------|------|--------|--------|
| BAR                             | NO. | SIZE | TYPE | LENGTH | WEIGHT |
| B1                              | 8   | #9   | 1    | 39'-4" | 1070   |
| B2                              | 16  | #4   | STR  | 19'-9" | 211    |
| B3                              | 10  | #4   | STR  | 2'-5"  | 16     |
| D1                              | 16  | #6   | STR  | 1'-6"  | 36     |
| H1                              | 6   | #4   | 2    | 7'-7"  | 30     |
| H2                              | 6   | #4   | 2    | 7'-9"  | 31     |
| H3                              | 6   | #4   | 3    | 8'-0"  | 32     |
| H4                              | 6   | #4   | 3    | 7'-10" | 31     |
| K1                              | 12  | #4   | STR  | 3'-1"  | 25     |
| S1                              | 48  | #4   | 4    | 7'-5"  | 238    |
| S2                              | 48  | #4   | 5    | 3'-2"  | 102    |
| S3                              | 10  | #4   | 6    | 6'-6"  | 43     |
| 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. |           |

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

SHEET 3 OF 3

| STATE OF NORTH CAROLINA<br>DEPARTMENT OF TRANSPORTATION<br>RALEIGH |     |       |     |     |           |
|--------------------------------------------------------------------|-----|-------|-----|-----|-----------|
| SUBSTRUCTURE<br>END BENT 1 BILL OF MATERIAL AND DETAILS            |     |       |     |     |           |
| REVISIONS                                                          |     |       |     |     | SHEET NO. |
| NO.                                                                | BY: | DATE: | NO. | BY: | DATE:     |
| 1                                                                  |     |       | 3   |     |           |
| 2                                                                  |     |       | 4   |     |           |
| TOTAL SHEETS                                                       |     |       |     |     | S-11      |
| 16                                                                 |     |       |     |     |           |