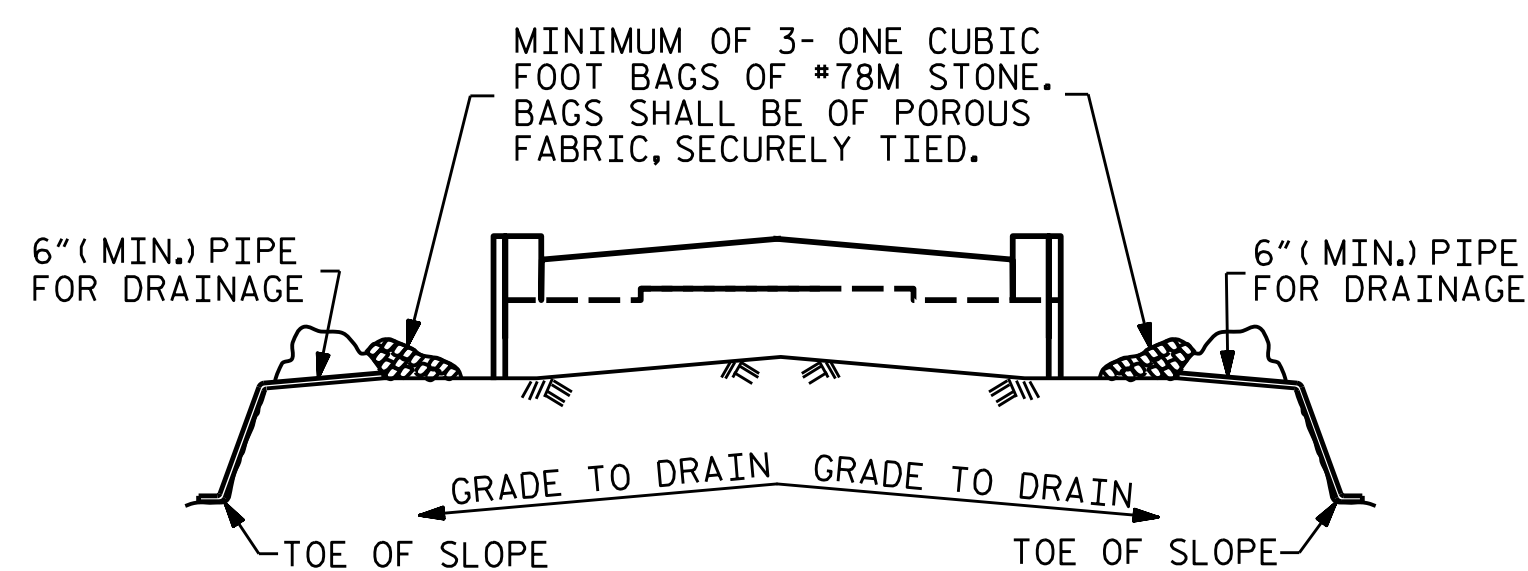


SECTION A-A



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.

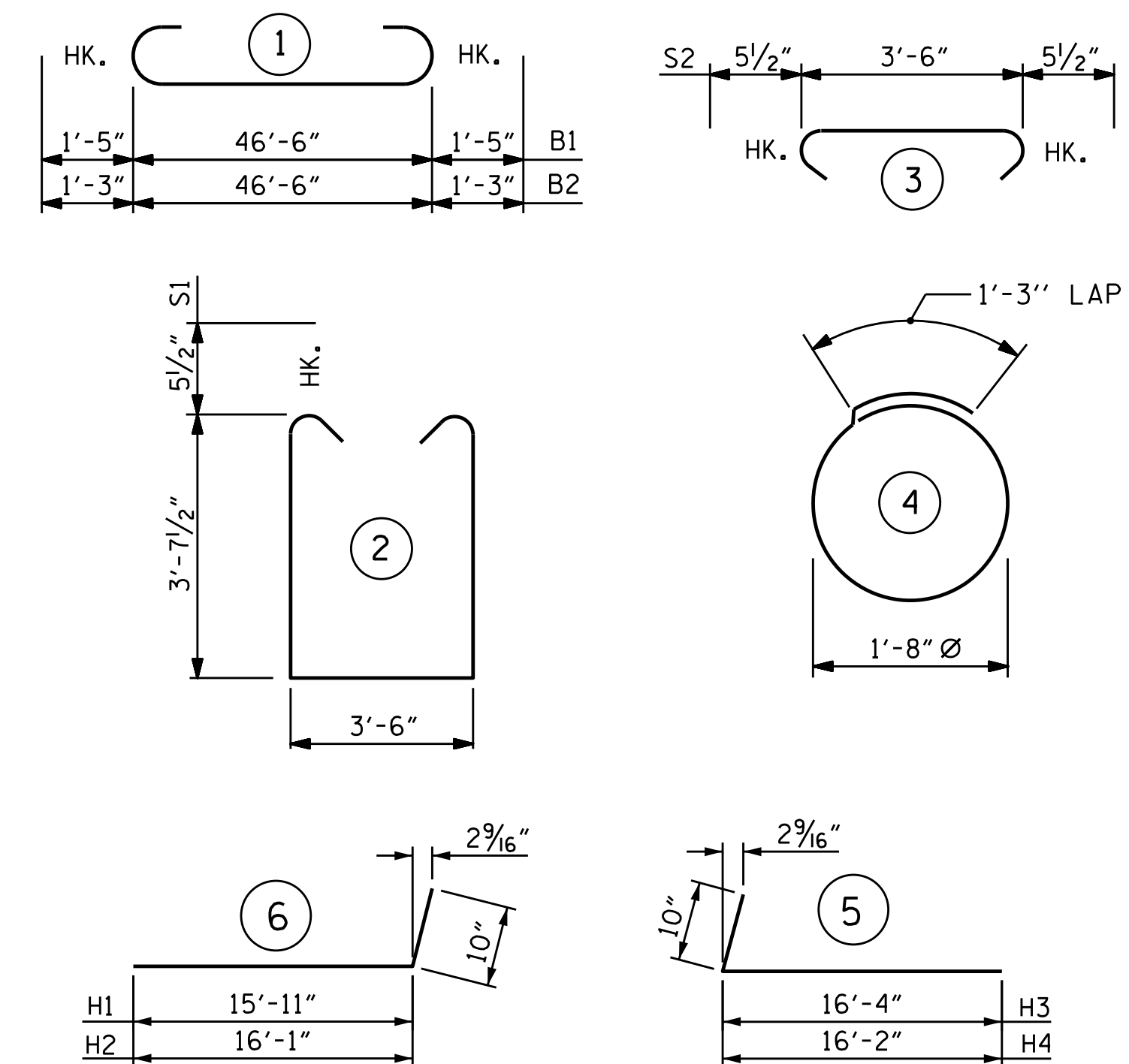
NO SEPARATE PAYMENT WILL BE MADE FOR THIS WORK AND THE ENTIRE COST OF THIS WORK SHALL BE INCLUDED IN THE UNIT CONTRACT PRICE BID FOR THE SEVERAL PAY ITEMS.

TEMPORARY DRAINAGE AT END BENT

DRAWN BY : M.M. AHMED DATE : 05/22
 CHECKED BY : S. WANCE DATE : 06/22
 DESIGN ENGINEER OF RECORD: M.M. AHMED DATE : 07/2020

9/20/2022
 R:\Structures\Plans\08D\401.B5670.SMU.Eb2.S03.630029.dgn
 oabr.ohd

BAR TYPES



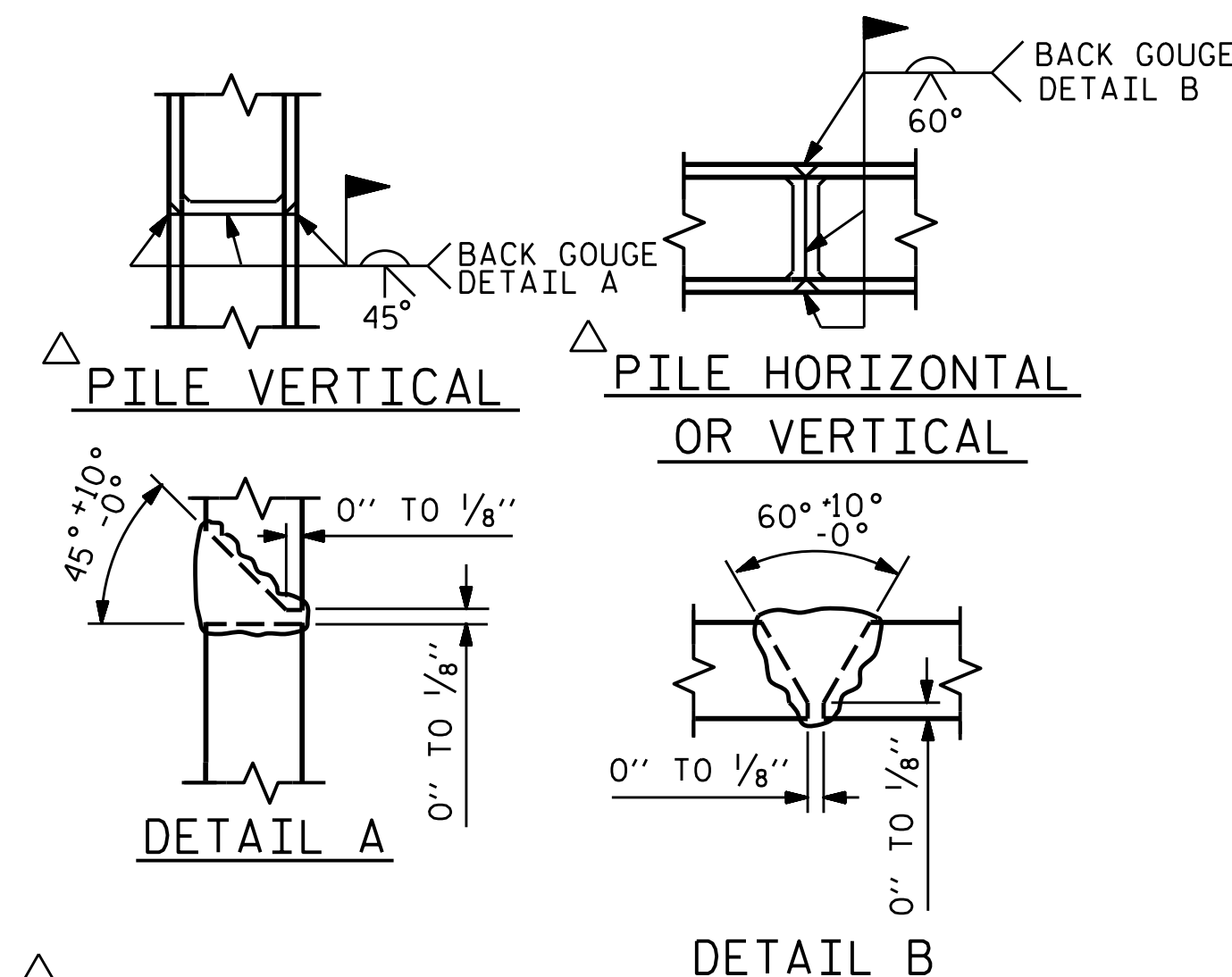
ALL BAR DIMENSIONS ARE OUT TO OUT.

BILL OF MATERIAL

| INTEGRAL END BENT #2 | | | | | |
|----------------------|-----|------|------|---------|--------|
| BAR | NO. | SIZE | TYPE | LENGTH | WEIGHT |
| B1 | 4 | #10 | 1 | 49'-4" | 849 |
| B2 | 5 | #9 | 1 | 49'-0" | 833 |
| B3 | 10 | #5 | STR | 46'-6" | 485 |
| B4 | 8 | #4 | STR | 24'-7" | 131 |
| B5 | 12 | #4 | STR | 3'-6" | 28 |
| H1 | 8 | #5 | 6 | 16'-9" | 140 |
| H2 | 8 | #5 | 6 | 16'-11" | 141 |
| H3 | 8 | #5 | 5 | 17'-2" | 143 |
| H4 | 8 | #5 | 5 | 17'-0" | 142 |
| S1 | 56 | #5 | 2 | 11'-8" | 681 |
| S2 | 56 | #5 | 3 | 4'-5" | 258 |
| S3 | 28 | #4 | 4 | 6'-6" | 122 |
| V1 | 78 | #4 | STR | 5'-7" | 291 |
| V2 | 60 | #4 | STR | 9'-4" | 374 |

REINFORCING STEEL = 4618 LBS

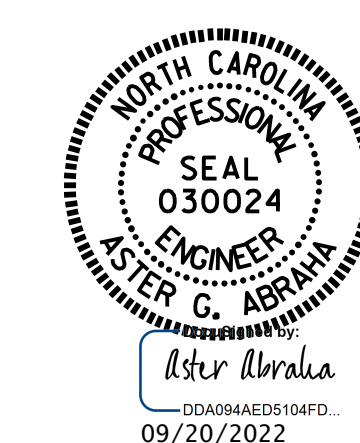
CLASS A CONCRETE
 POUR #1 (CAP, CONCRETE COLLARS & LOWER PART OF WINGS) 32.4 C.Y.



POSITION OF PILE DURING WELDING.
PILE SPLICE DETAILS

PROJECT NO. B-5670
 NASH COUNTY
 STATION: 16+98.00 -L-

SHEET 3 OF 3



STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

SUBSTRUCTURE
 INTEGRAL
 END BENT 2

DOCUMENT NOT CONSIDERED
 FINAL UNLESS ALL
 SIGNATURES COMPLETED

| REVISIONS | | | | | | SHEET NO. |
|-----------|-----|-------|-----|-----|-------|--------------|
| NO. | BY: | DATE: | NO. | BY: | DATE: | S-37 |
| 1 | | | 3 | | | TOTAL SHEETS |
| 2 | | | 4 | | | 40 |