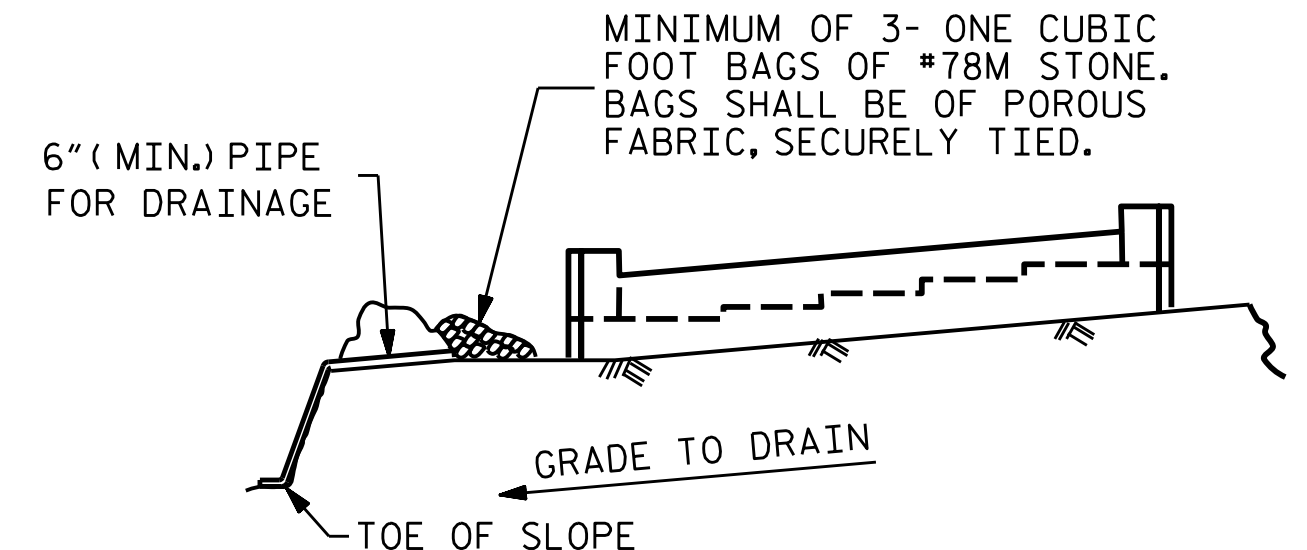


SECTION A-A



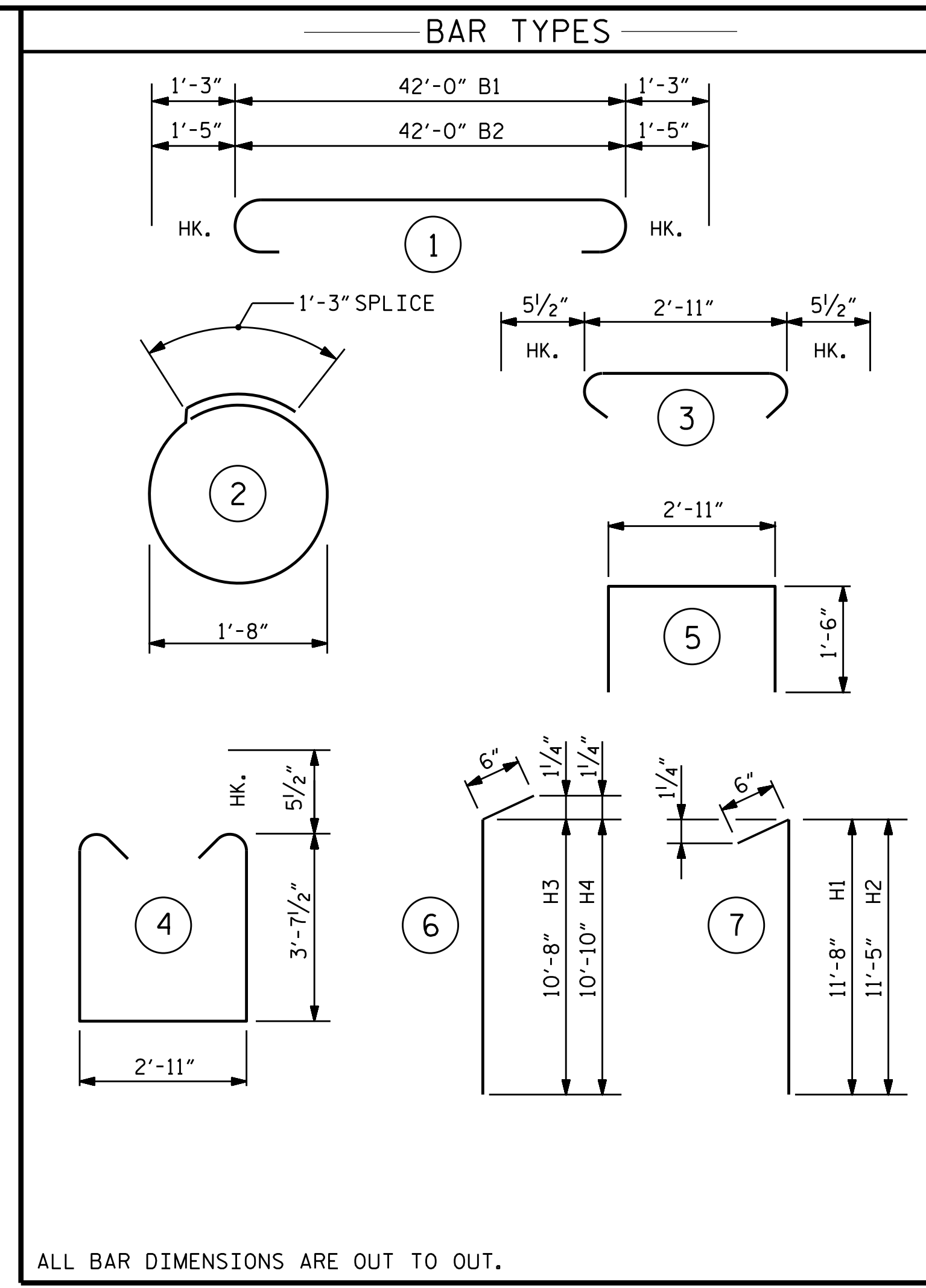
BAGGED STONE AND PIPE SHALL BE PLACED IMMEDIATELY AFTER COMPLETION OF END BENT EXCAVATION. PIPE MAY BE EITHER CONCRETE, CORRUGATED STEEL, CORRUGATED ALUMINUM ALLOY, OR CORRUGATED PLASTIC. PERFORATED PIPE WILL NOT BE ALLOWED.

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.

1/24/2020

TEMPORARY DRAINAGE AT END BENT



ALL BAR DIMENSIONS ARE OUT TO OUT.

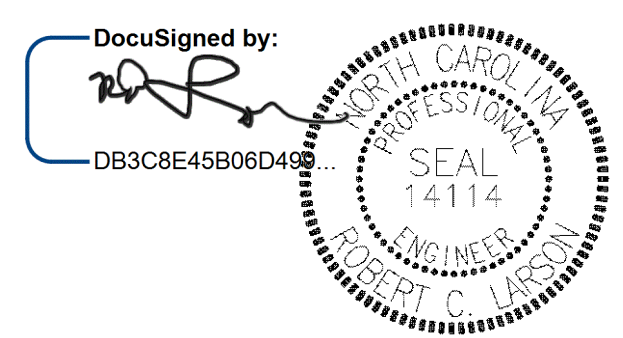
| BILL OF MATERIAL | | | | | |
|--|-----|------|------|---------|--------|
| END BENT 2 | | | | | |
| BAR | NO. | SIZE | TYPE | LENGTH | WEIGHT |
| B1 | 5 | 9 | 1 | 44'-6" | 757 |
| B2 | 4 | 10 | 1 | 44'-10" | 772 |
| B3 | 28 | 4 | STR. | 22'-3" | 416 |
| B4 | 11 | 4 | STR. | 2'-11" | 21 |
| B5 | 20 | 4 | STR. | 7'-3" | 97 |
| D1 | 54 | 4 | STR. | 5'-10" | 210 |
| H1 | 20 | 5 | 7 | 12'-2" | 254 |
| H2 | 20 | 5 | 7 | 11'-11" | 249 |
| H3 | 20 | 5 | 6 | 11'-2" | 233 |
| H4 | 20 | 5 | 6 | 11'-4" | 236 |
| K1 | 24 | 4 | STR. | 2'-9" | 44 |
| S1 | 28 | 4 | 2 | 6'-6" | 122 |
| S2 | 36 | 5 | 3 | 3'-10" | 144 |
| S3 | 36 | 5 | 4 | 11'-1" | 416 |
| U1 | 20 | 4 | 5 | 5'-11" | 79 |
| V1 | 30 | 5 | STR. | 10'-2" | 318 |
| V2 | 28 | 5 | STR. | 9'-8" | 282 |
| REINFORCING STEEL, LBS. | | | | | 4650 |
| CLASS A CONCRETE, CY POUR 1 | | | | | 26.0 |
| POUR 2 | | | | | 6.1 |
| TOTAL | | | | | 32.1 |
| HP 12X53 STEEL PILES NO. | | | | | 7 |
| L.F. | | | | | 385 |
| PILE DRIVING EQUIPMENT SETUP FOR HP 12X53 STEEL PILES, EA. | | | | | 7 |
| PILE REDRIVES, EA. | | | | | 4 |

PROJECT NO. B-5671
EDGEcombe COUNTY
 STATION: 17+00.00 -L-

SHEET 3 OF 3

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

**SUBSTRUCTURE
 END BENT 2**



1/24/2020

| | | | |
|----------------------------|---------------|-------|-----------|
| DESIGN ENGINEER OF RECORD: | | DATE: | 1/24/2020 |
| DRAWN BY: | A. K. ALLANKI | DATE: | 09/10/19 |
| CHECKED BY: | R. C. LARSON | DATE: | 10/30/19 |

**DOCUMENT NOT CONSIDERED FINAL
 UNLESS ALL SIGNATURES COMPLETED**

ENGINEERS & PLANNERS & SCIENTISTS & CONSTRUCTION MANAGERS LICENSE NUMBER: C-0184

KCI Associates
 of North Carolina, P.A.
 4505 Falls of House Road, Suite 400 Raleigh, NC 27609-6270 Phone (919) 785-5241

| REVISIONS | | | | | |
|-----------|-----|-------|-----|-----|-------|
| NO. | BY: | DATE: | NO. | BY: | DATE: |
| 1 | | | 3 | | |
| 2 | | | 4 | | |

| | |
|--------------|------|
| SHEET NO. | S-25 |
| TOTAL SHEETS | 29 |

KCI PROJ. 251801945.24