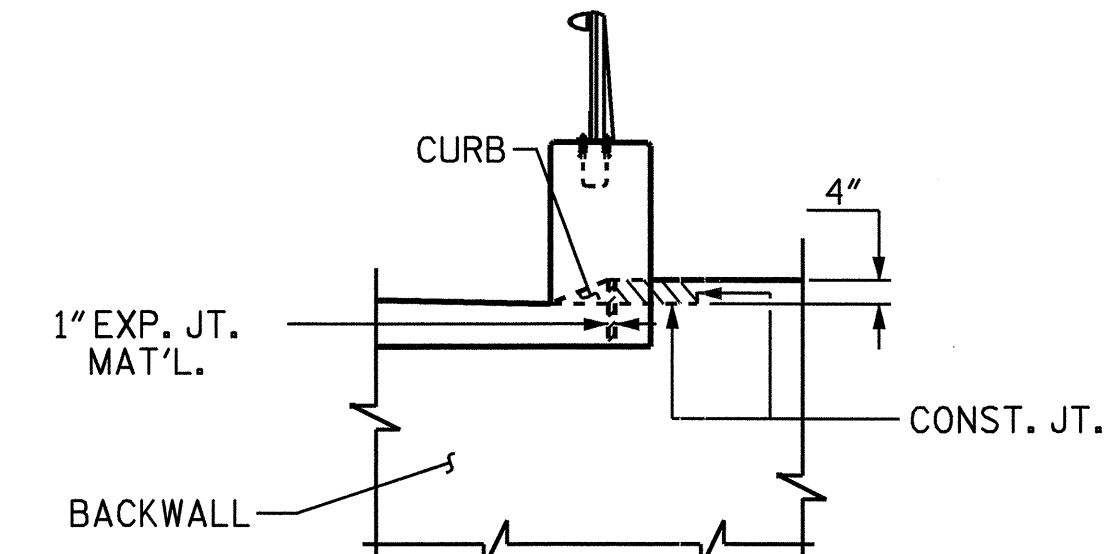


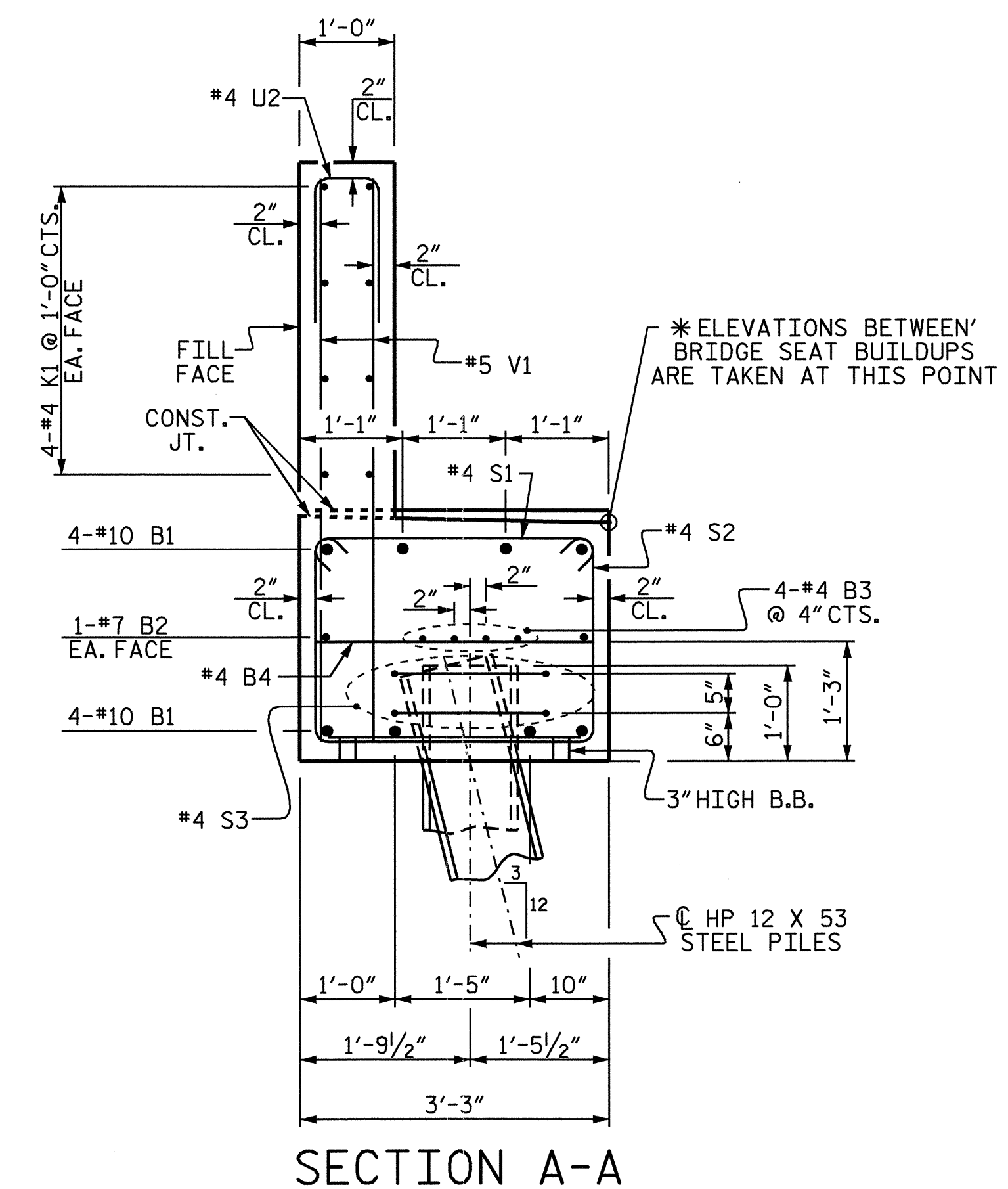
PLAN



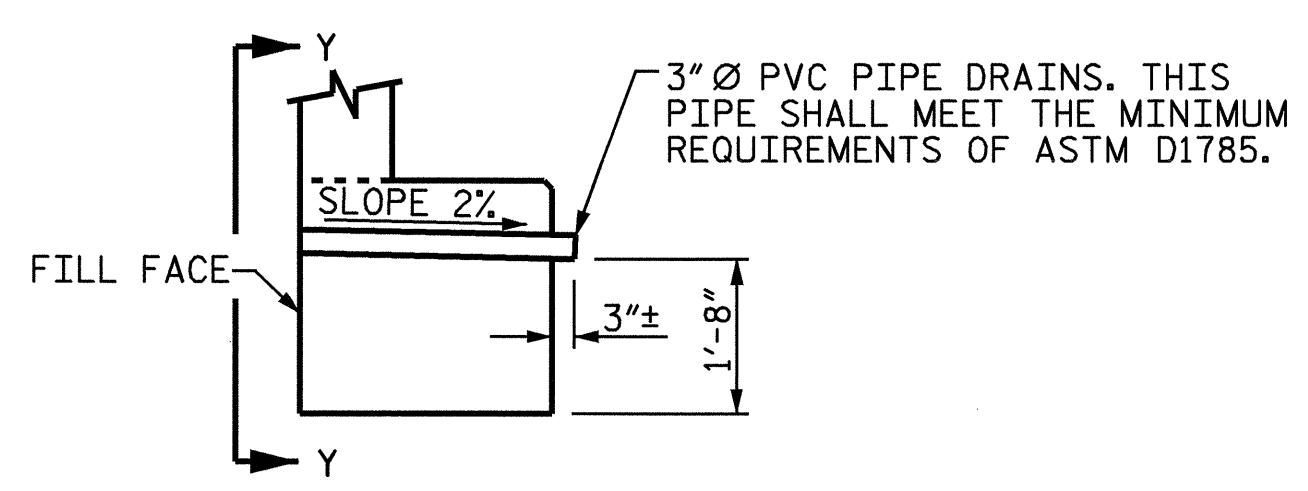
ELEVATION

**BLOCKOUT IN WING WALL FOR FITTING EVAZOTE JOINT SEAL**

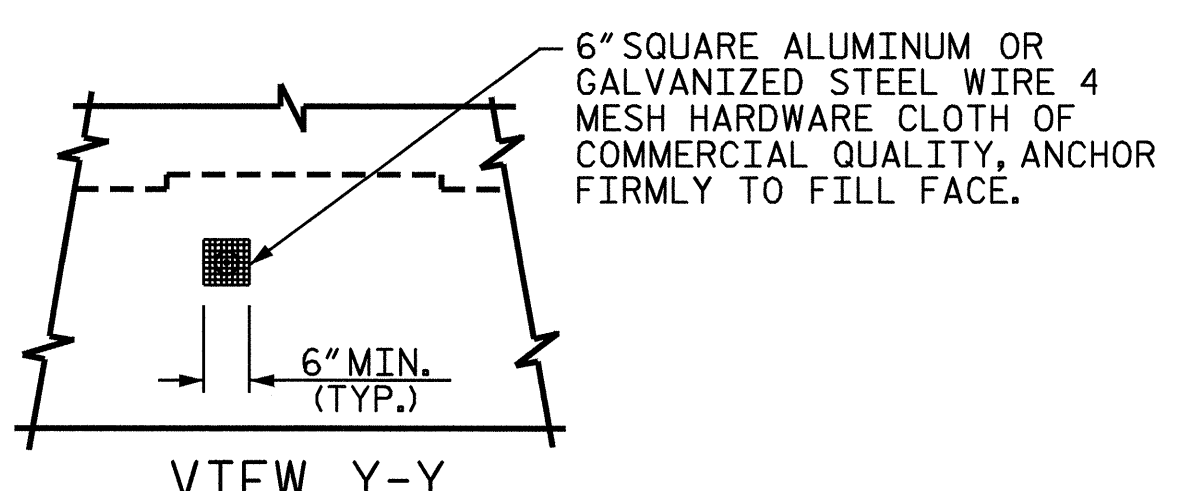
NOTE: THE CONCRETE IN THE CROSS-HATCHED AREA OF THE WING SHALL BE POURED AFTER THE JOINT BETWEEN THE DECK AND APPROACH SLAB HAS BEEN SAWED AND THE PARAPET IS CAST IF SLIP FORMING IS USED.



SECTION A-A



SECTION THRU CAP

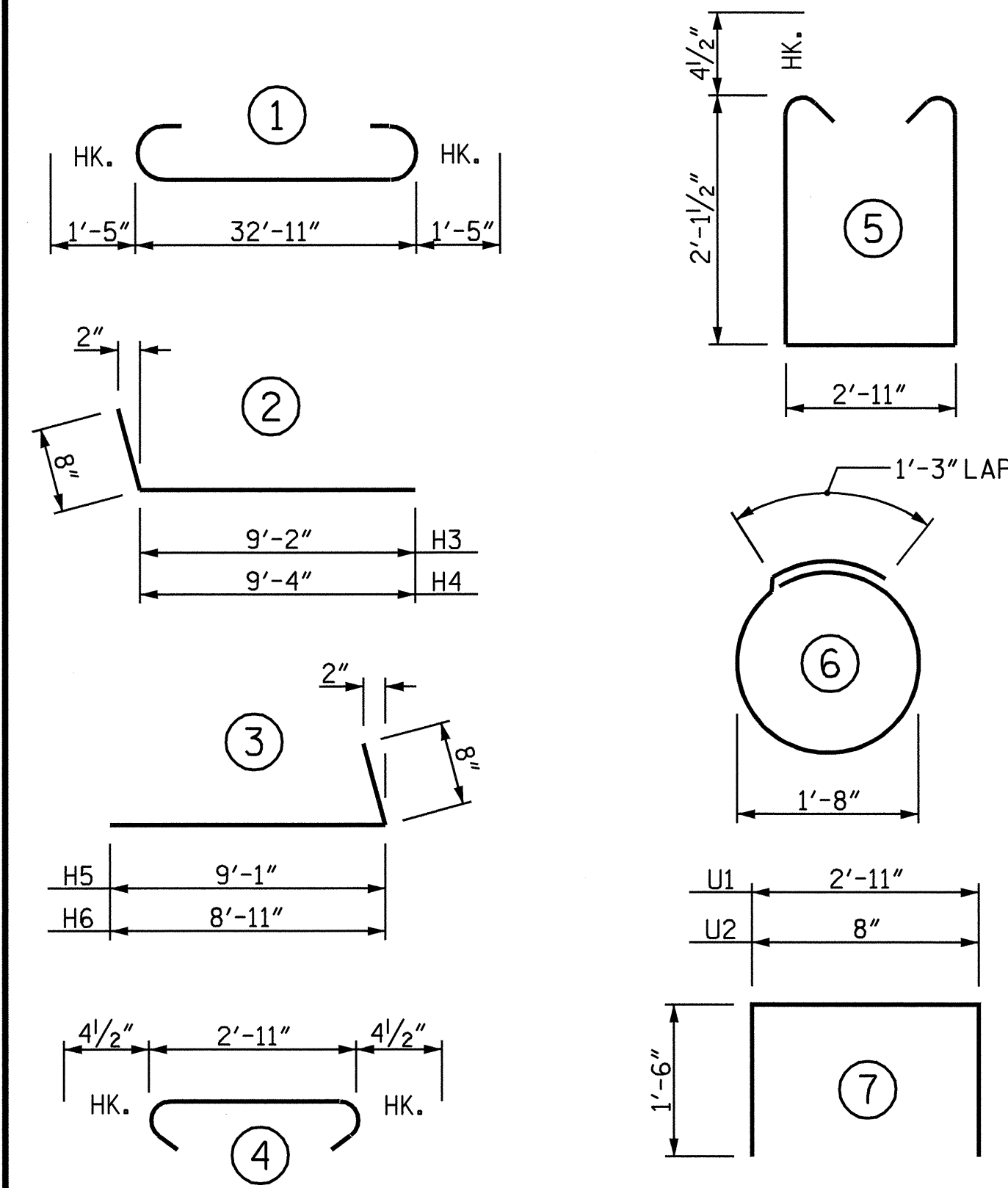


VIEW Y-Y

NOTE: NO SEPARATE PAYMENT WILL BE MADE FOR FURNISHING AND INSTALLING THE PVC PIPE DRAINS, HARDWARE CLOTH, AND FASTENERS. THE ENTIRE COST OF THIS WORK SHALL BE INCLUDED IN THE UNIT CONTRACT PRICE BID FOR THE SEVERAL PAY ITEMS.

**PIPE DRAIN DETAILS**

**BAR TYPES**



ALL BAR DIMENSIONS ARE OUT TO OUT

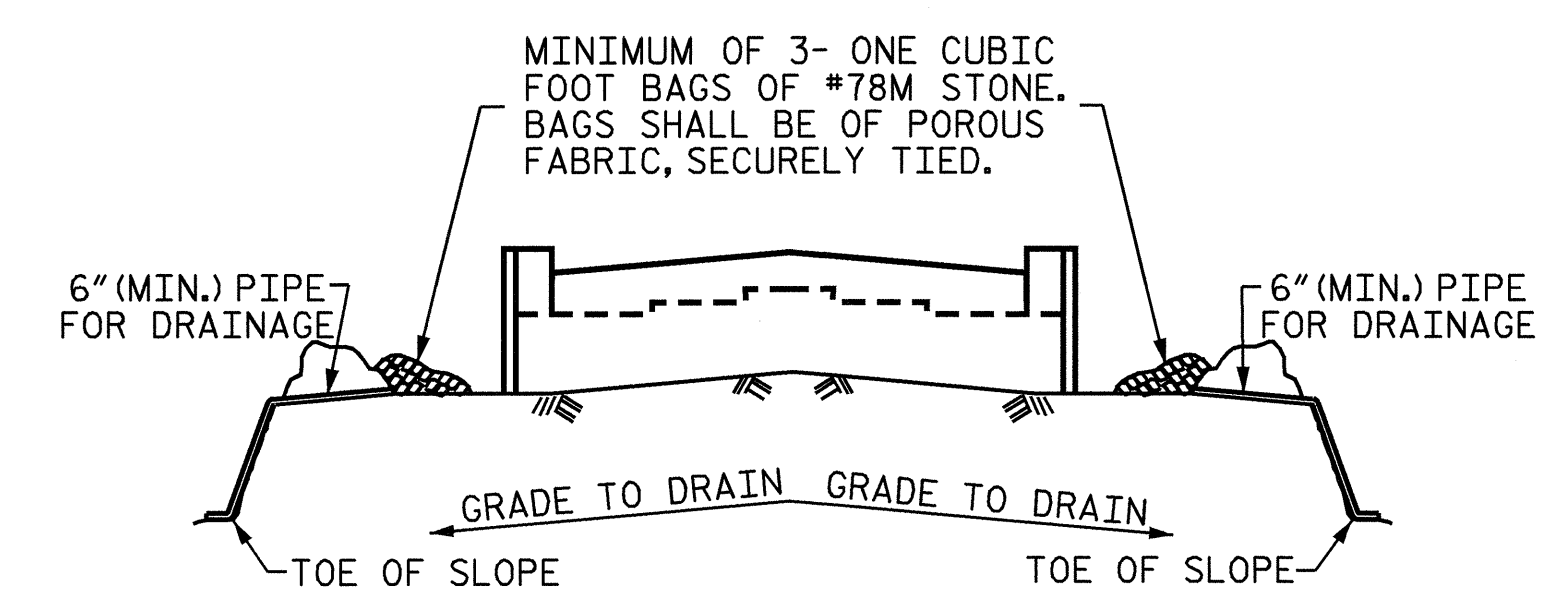
**BILL OF MATERIAL**

**END BENT #1**

| BAR               | NO. | SIZE | TYPE | LENGTH | WEIGHT |
|-------------------|-----|------|------|--------|--------|
| B1                | 8   | 10   | 1    | 35'-9" | 1231   |
| B2                | 2   | 7    | STR  | 33'-1" | 135    |
| B3                | 8   | 4    | STR  | 17'-9" | 95     |
| B4                | 9   | 4    | STR  | 2'-11" | 18     |
| B5                | 12  | 4    | STR  | 2'-10" | 23     |
| H1                | 4   | 4    | STR  | 1'-10" | 5      |
| H2                | 4   | 4    | STR  | 3'-2"  | 8      |
| H3                | 9   | 4    | 2    | 9'-10" | 59     |
| H4                | 9   | 5    | 2    | 10'-0" | 94     |
| H5                | 9   | 4    | 3    | 9'-9"  | 59     |
| H6                | 9   | 5    | 3    | 9'-7"  | 90     |
| K1                | 16  | 4    | STR  | 17'-9" | 190    |
| S1                | 30  | 4    | 4    | 3'-8"  | 73     |
| S2                | 30  | 4    | 5    | 7'-11" | 159    |
| S3                | 12  | 4    | 6    | 6'-6"  | 52     |
| U1                | 9   | 4    | 7    | 5'-11" | 36     |
| U2                | 27  | 4    | 7    | 3'-8"  | 66     |
| V1                | 54  | 5    | STR  | 5'-10" | 329    |
| V2                | 4   | 4    | STR  | 7'-0"  | 19     |
| V3                | 26  | 4    | STR  | 7'-1"  | 123    |
| V4                | 4   | 4    | STR  | 7'-3"  | 19     |
| V5                | 26  | 4    | STR  | 7'-4"  | 127    |
| REINFORCING STEEL |     |      |      | LBS.   | 3010   |

| CLASS  | POUR                 | REINFORCING | C.Y. | WEIGHT |
|--------|----------------------|-------------|------|--------|
| 'A'    | #1: CAP & WINGS      |             | 12.5 |        |
|        | #2: BACKWALL & WINGS |             | 8.2  |        |
| TOTAL: |                      |             | 20.7 |        |

| PILE                   | NO. | TYPE | LENGTH   | WEIGHT |
|------------------------|-----|------|----------|--------|
| HP 12 X 53 STEEL PILES | 6   |      | LIN. FT. | 90.0   |

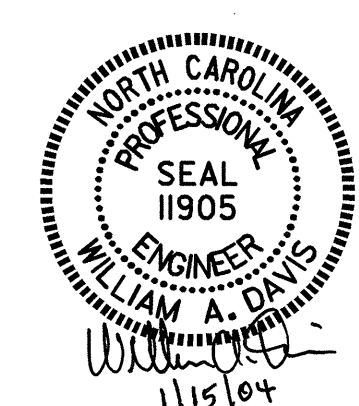


BAGGED STONE AND PIPE SHALL BE PLACED IMMEDIATELY AFTER COMPLETION OF END BENT EXCAVATION. PIPE MAY BE EITHER CONCRETE, CORRUGATED STEEL, CORRUGATED ALUMINUM ALLOY, OR CORRUGATED PLASTIC. PERFORATED PIPE WILL NOT BE ALLOWED.

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. B-3485  
MACON COUNTY  
STATION: 15+52.00 -L-

SHEET 3 OF 3

STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
RALEIGH

**SUBSTRUCTURE END BENT #1**

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

DRAWN BY : G.S. HOLMES DATE : 1-16-02  
CHECKED BY : P.S. ERVIN DATE : 1-25-02