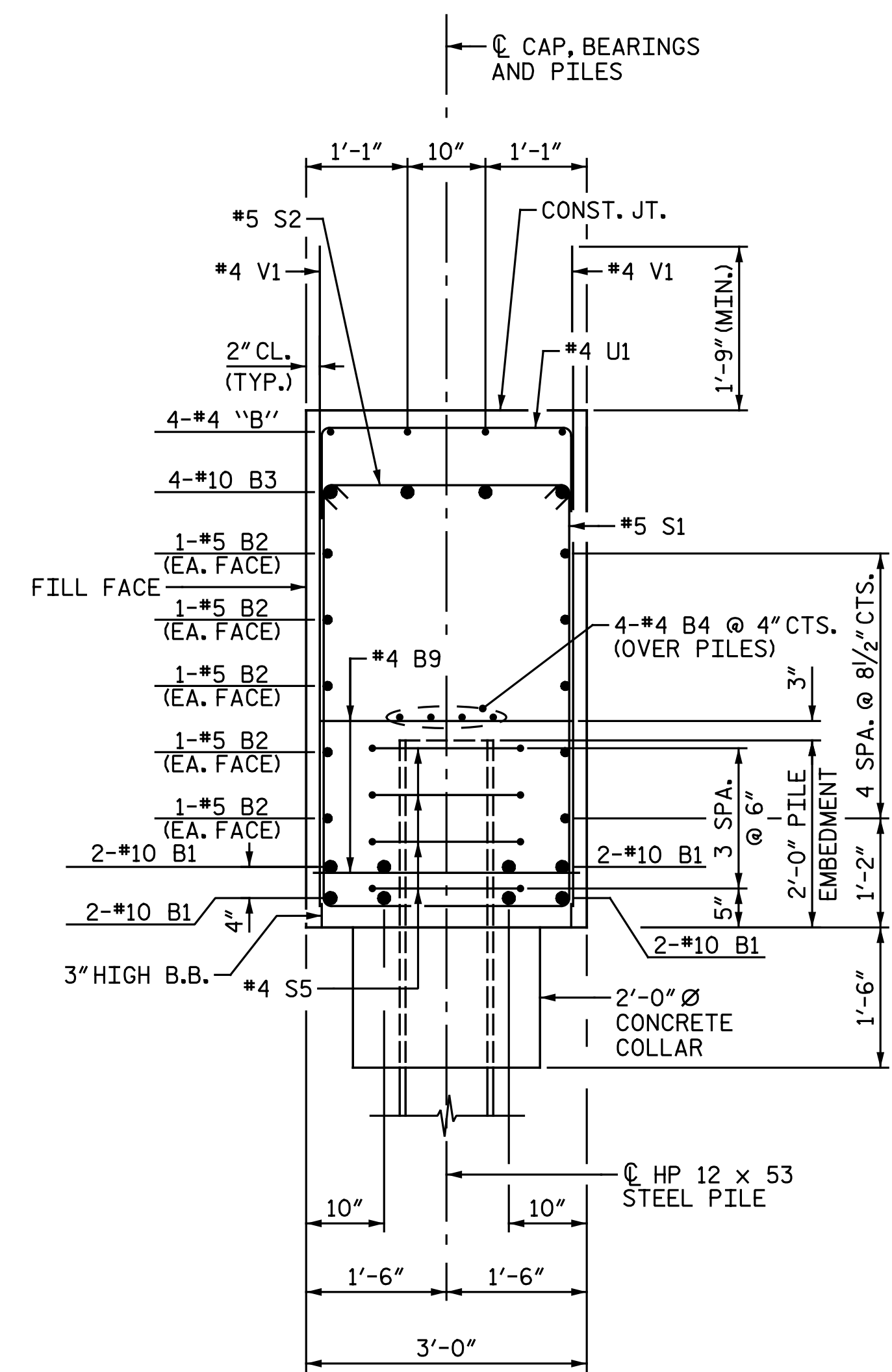
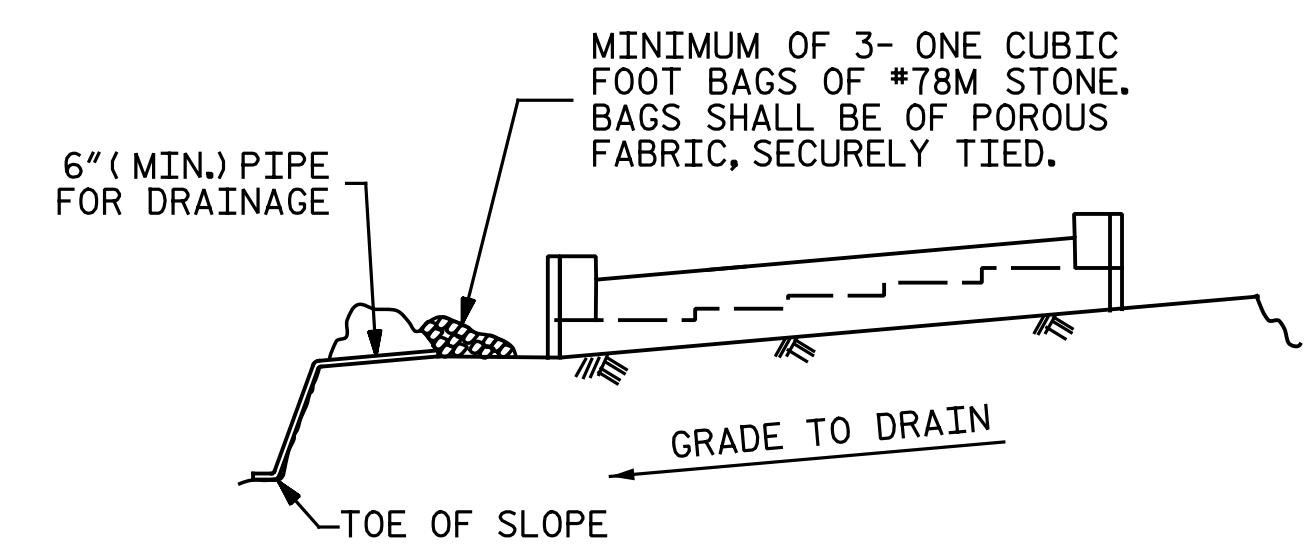


SECTION A-A



SECTION B-B

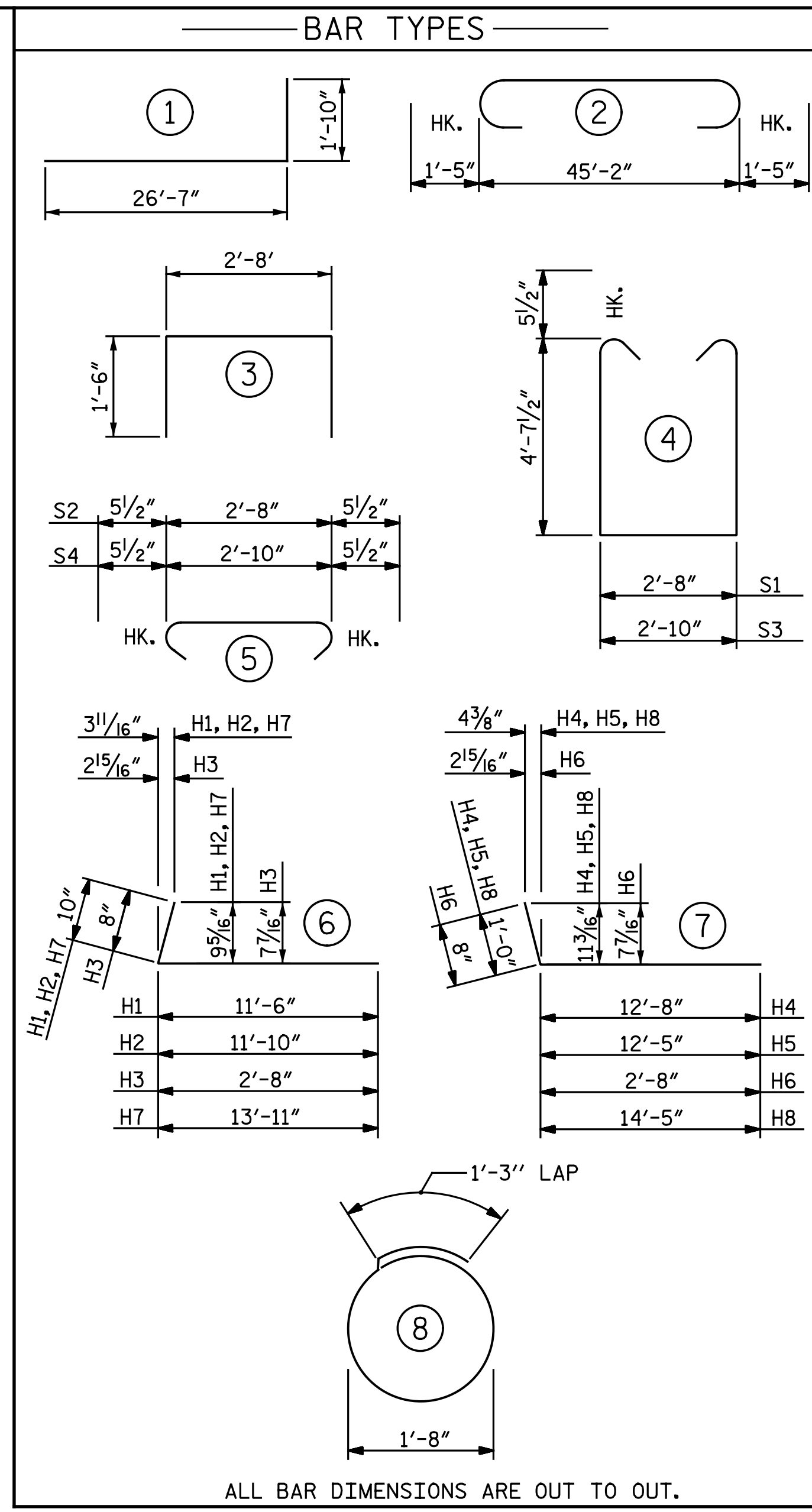


BAGGED STONE AND PIPE SHALL BE PLACED IMMEDIATELY AFTER COMPLETION OF END BENT EXCAVATION. PIPE MAY BE EITHER CONCRETE, CORRUGATED STEEL, CORRUGATED ALUMINUM ALLOY, OR CORRUGATED PLASTIC. PERFORATED PIPE WILL NOT BE ALLOWED.

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.

TEMPORARY DRAINAGE AT END BENT

DRAWN BY : M. D. MAYHEW DATE : 8-10-16
 CHECKED BY : J. M. GARRISON DATE : 8-12-16



ALL BAR DIMENSIONS ARE OUT TO OUT.

NOTES:
 FOR PILE SPLICE DETAILS, SEE "INTEGRAL END BENT 1 DETAILS", SHEET 2 OF 2.

| BILL OF MATERIAL | | | | | |
|------------------------|-----|------|------|-----------|--------|
| END BENT 2 | | | | | |
| BAR | NO. | SIZE | TYPE | LENGTH | WEIGHT |
| B1 | 16 | #10 | 1 | 28' - 5" | 1,956 |
| B2 | 10 | #5 | STR. | 45' - 2" | 471 |
| B3 | 4 | #10 | 2 | 48' - 0" | 826 |
| B4 | 8 | #4 | STR. | 23' - 10" | 127 |
| B5 | 1 | #4 | STR. | 18' - 10" | 13 |
| B6 | 1 | #4 | STR. | 18' - 6" | 12 |
| B7 | 1 | #4 | STR. | 18' - 2" | 12 |
| B8 | 1 | #4 | STR. | 17' - 11" | 12 |
| B9 | 22 | #4 | STR. | 2' - 8" | 39 |
| H1 | 21 | #5 | 6 | 12' - 4" | 270 |
| H2 | 11 | #5 | 6 | 12' - 8" | 145 |
| H3 | 22 | #4 | 6 | 3' - 4" | 49 |
| H4 | 22 | #6 | 7 | 13' - 4" | 452 |
| H5 | 11 | #6 | 7 | 13' - 5" | 222 |
| H6 | 22 | #4 | 7 | 3' - 4" | 49 |
| H7 | 10 | #5 | 6 | 14' - 9" | 154 |
| H8 | 11 | #6 | 7 | 15' - 5" | 255 |
| S1 | 42 | #5 | 4 | 12' - 10" | 562 |
| S2 | 42 | #5 | 5 | 3' - 7" | 157 |
| S3 | 2 | #5 | 4 | 13' - 0" | 27 |
| S4 | 2 | #5 | 5 | 3' - 9" | 8 |
| S5 | 24 | #4 | 8 | 6' - 6" | 104 |
| U1 | 12 | #4 | 3 | 5' - 8" | 45 |
| V1 | 66 | #4 | STR. | 7' - 8" | 338 |
| V2 | 34 | #5 | STR. | 10' - 2" | 361 |
| V3 | 14 | #5 | STR. | 10' - 5" | 152 |
| V4 | 8 | #5 | STR. | 10' - 4" | 86 |
| V5 | 8 | #5 | STR. | 10' - 3" | 86 |
| V6 | 4 | #5 | STR. | 10' - 2" | 42 |
| V7 | 2 | #5 | STR. | 4' - 6" | 9 |
| V8 | 2 | #5 | STR. | 5' - 1" | 11 |
| REINFORCING STEEL | | | | LBS. | 7,052 |
| CLASS A CONCRETE | | | | | |
| POUR 1 - | | | | | |
| CAP, LOWER PART OF | | | | | |
| WINGS & COLLARS | | | | C.Y. | 31.9 |
| POUR 2 - | | | | | |
| UPPER PART OF WINGS | | | | C.Y. | 5.9 |
| TOTAL | | | | C.Y. | 37.8 |
| HP 12 x 53 STEEL PILES | | | | | |
| NO. 6 | | | | L.F. | 120 |
| PILE DRIVING EQUIPMENT | | | | | |
| SETUP FOR HP 12 x 53 | | | | | |
| STEEL PILES | | | | EA. | 6 |

PROJECT NO. U-3330
 NASH COUNTY
 STATION: 18+22.61 -Y1-

| | | | | | | | |
|---|--|---|-----|--|-----|-----|-------|
| DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED | | DEPARTMENT OF TRANSPORTATION RALEIGH SUBSTRUCTURE INTEGRAL END BENT 2 DETAILS LEFT LANES | | SHEET NO. SI-34 TOTAL SHEETS 38 | | | |
| | | REVISIONS | | | | | |
| | | NO. | BY: | DATE: | NO. | BY: | DATE: |
| | | 1 | | | 3 | | |
| | | 2 | | | 4 | | |

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