TEMPORARY DRAINAGE AT END BENT

DRAINAGE NOTES:

▲PILE VERTICAL

DETAIL 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.

BACK GOUGE DETAIL A

▲POSITION OF PILE DURING WELDING.

PILE SPLICE DETAILS

0 TO 3

NOTES:

STIRRUPS IN CAP MAY BE SHIFTED AS NECESSARY TO CLEAR PIPE INSERTS.

FOR EPOXY PROTECTIVE COATING, SEE SPECIAL PROVISIONS.

BACKWALL SHALL BE PLACED BEFORE APPLYING THE EPOXY PROTECTIVE COATING.

THE TOP SURFACE AREAS OF THE END BENT CAP SHALL BE CURED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS EXCEPT THAT THE MEMBRANE CURING COMPOUND METHOD SHALL NOT BE USED.

THE TOP SURFACE OF THE CAP EXCEPT THE BRIDGE SEAT BUILDUPS SHALL BE SLOPED TRANSVERSELY FROM THE FILL FACE TO THE FRONT FACE AT THE RATE OF 2%.

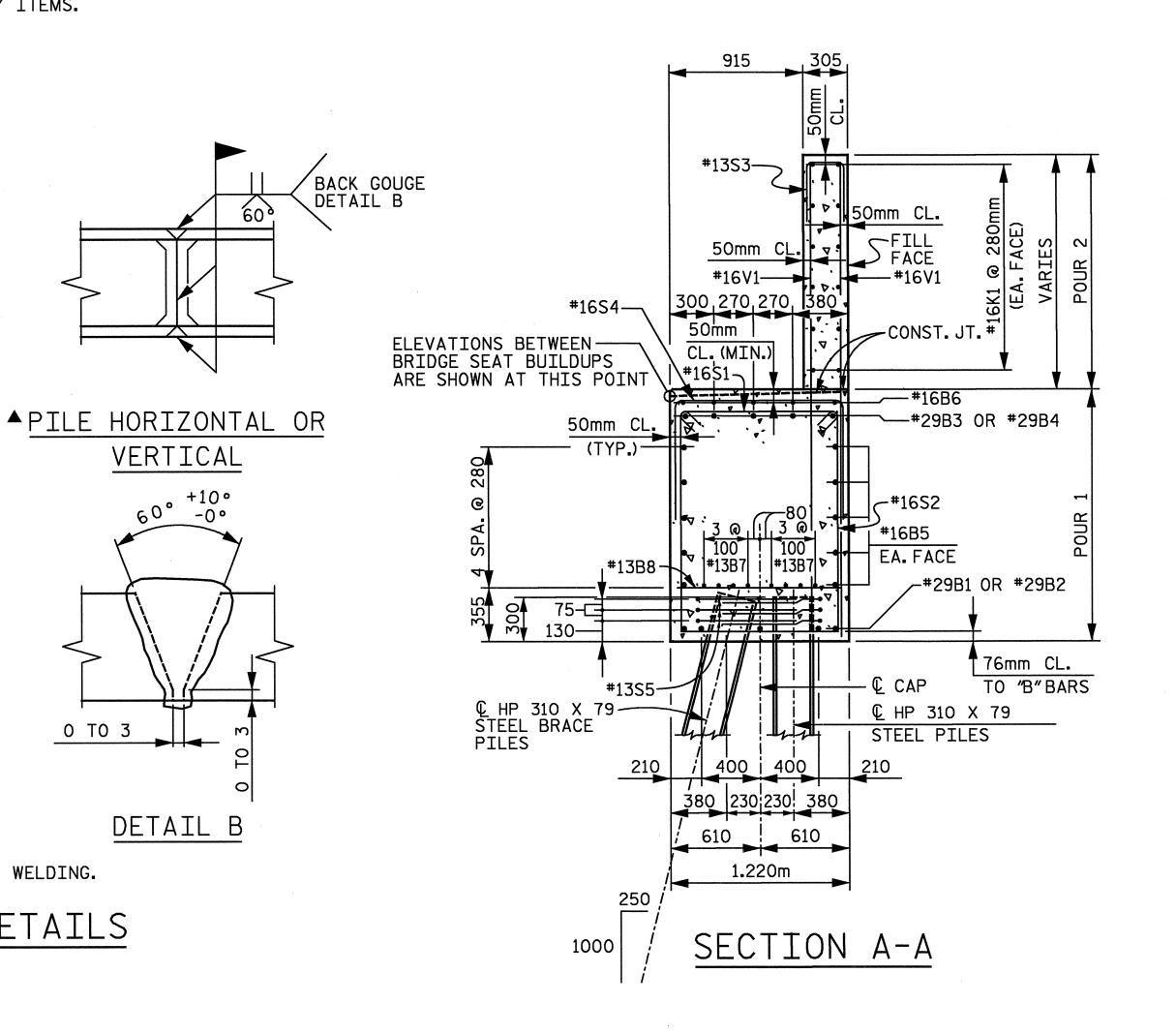
FOR PIPE INSERTS DETAILS, SEE "POT BEARING DETAILS" SHEET.

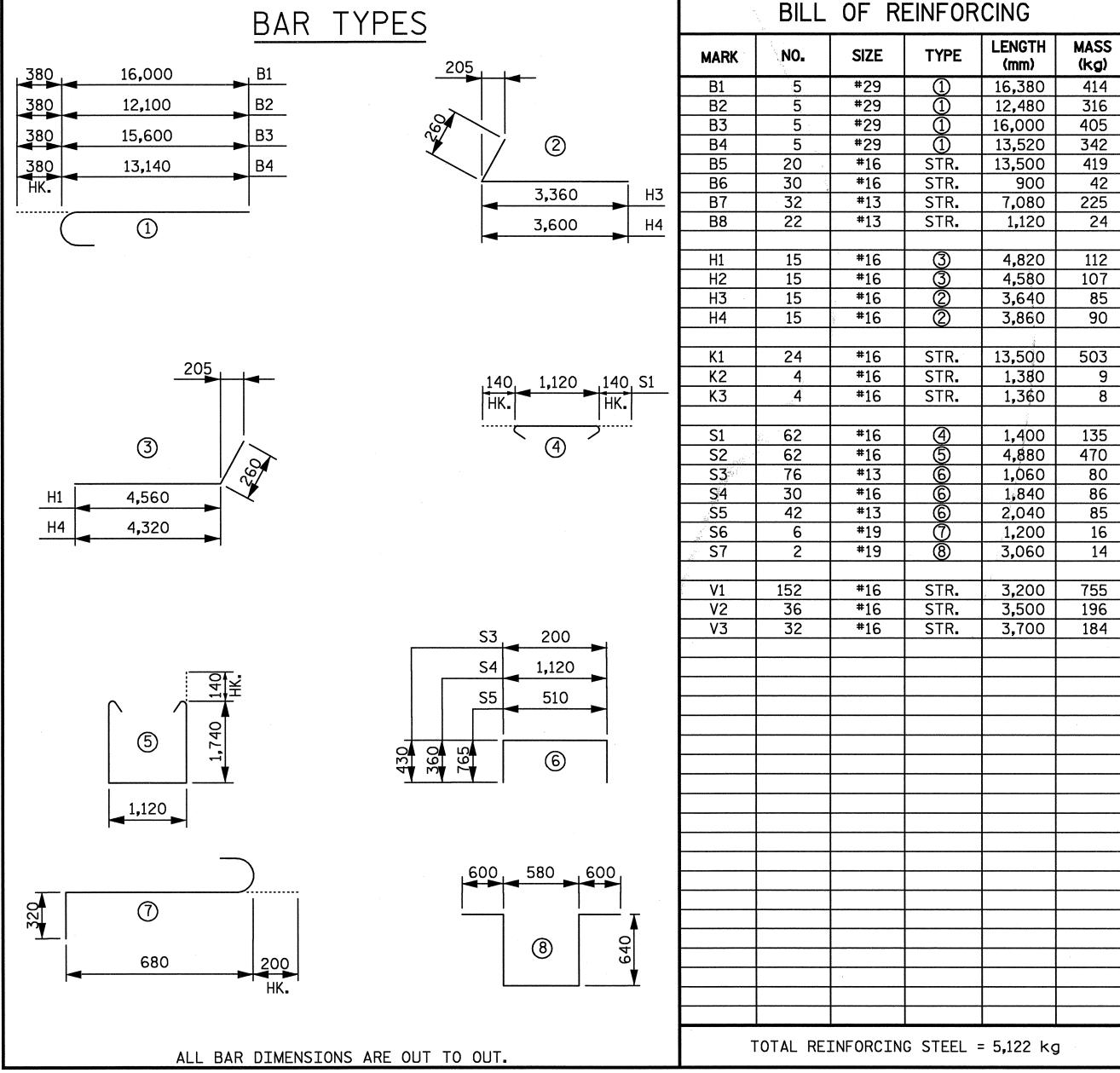
PILES SHALL BE DRIVEN TO A MINIMUM BEARING CAPACITY OF 530 KN EACH.

WHEN DRIVING PILES, THE MAXIMUM BLOW COUNT SHALL NOT BE EXCEEDED.

FOR OTHER NOTES, SEE "GENERAL DRAWING LOCATION SKETCH, GENERAL NOTES & TOTAL BILL OF MATERIALS" SHEETS.

THE CONTRACTOR SHALL PROVIDE FOR INSTALLATION OF THE 102mm Ø DRAIN PIPE THROUGH THE WING WALLS AS REQUIRED FOR REINFORCED BRIDGE APPROACH FILLS, SEE ROADWAY PLANS. REINFORCING STEEL IN THE WING WALLS MAY BE SHIFTED AS NECESSORY TO CLEAR THE DRAIN PIPE.





| QUANTITIES - | END BENT 2 |
|-------------------------|--|
| REINFORCING STEEL | 5 , 122 kg |
| CLASS A CONCRETE | POUR 1: 64.6 CU. METERS |
| | POUR 2: 16.6 CU. METERS TOTAL: 81.2 CU. METERS |
| HP 310 X 79 STEEL PILES | 16 (NO.) |
| | 190.1 METERS |
| | |

PROJECT No.R-2552C

JOHNSTON .COUNTY STATION: POT 148+08.446 -L2-

STATE OF NORTH CAROLINA

DEPARTMENT OF TRANSPORTATION

RALEIGH

SHEET NO. S-327 TOTAL SHEETS 431

POT 23+96.446 -Y4-SHEET 3 OF 3



END BENT 2 -RIGHT LANE-

RALPH WHITEHEAD ASSOCIATES, INC. CONSULTING ENGINEERS P.O. BOX 35624 CHARLOTTE, N.C. 28235 DATE 1-05 DWG. NO. WBS, LGH DATE 1-05 D-1750.30 CHECKED BY ZAL