

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 DETER-MINES 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.

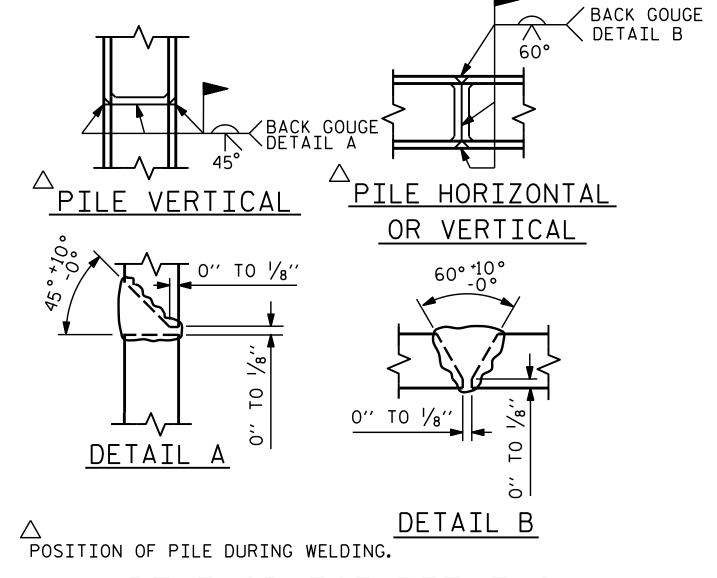
© PILES & → NOTICE CONCRETE COLLARS

2'-0" Ø CONCRETE COLLAR

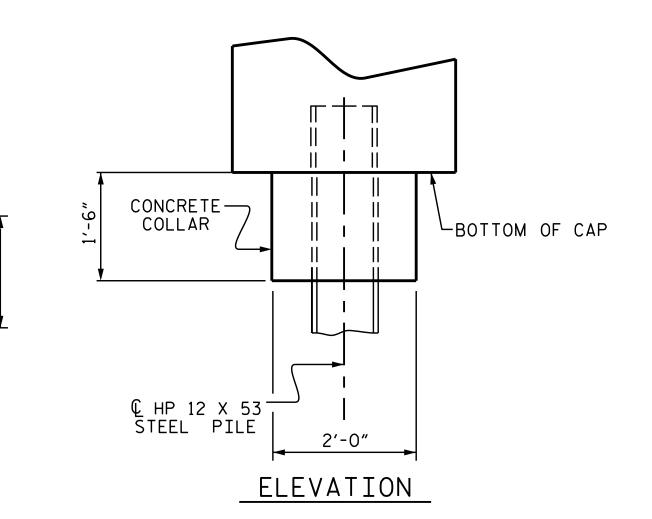
(TYP.EACH PILE)

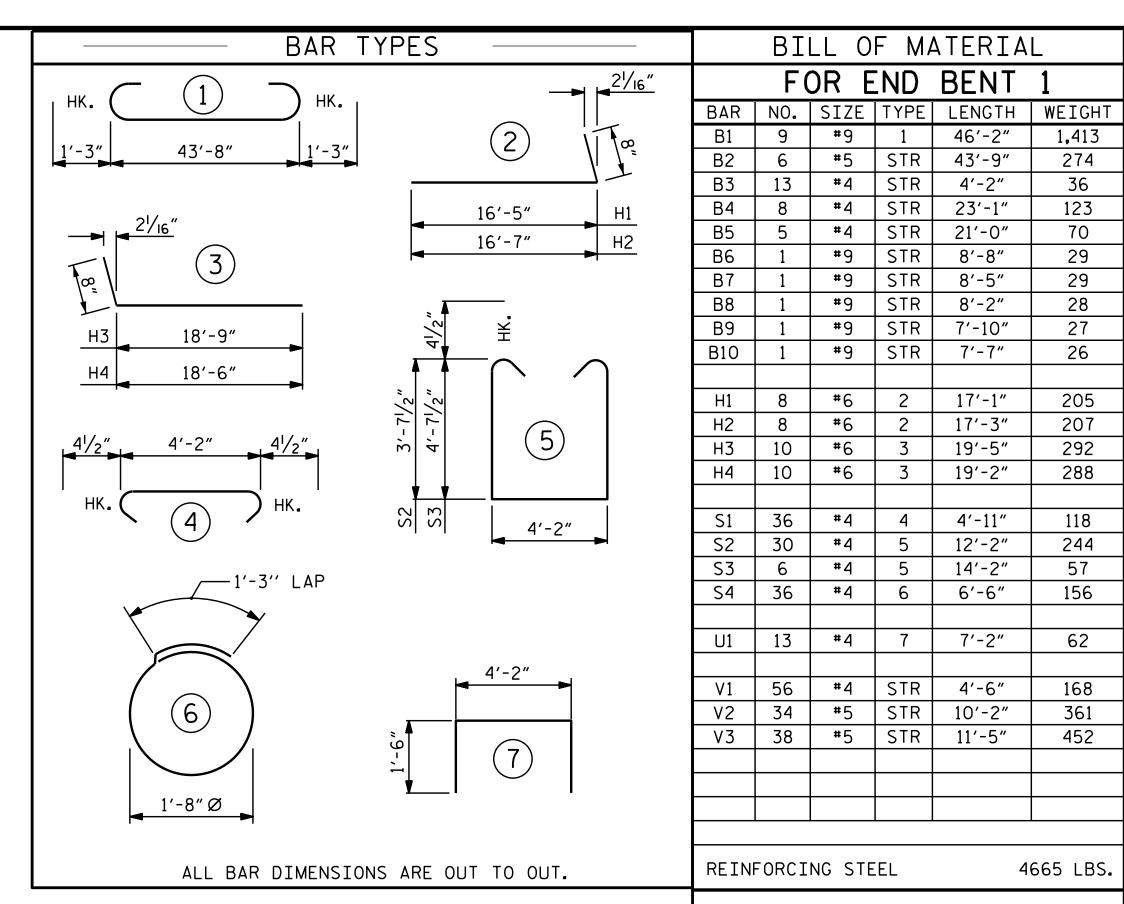
PLAN

TEMPORARY DRAINAGE AT END BENT



PILE SPLICE DETAILS



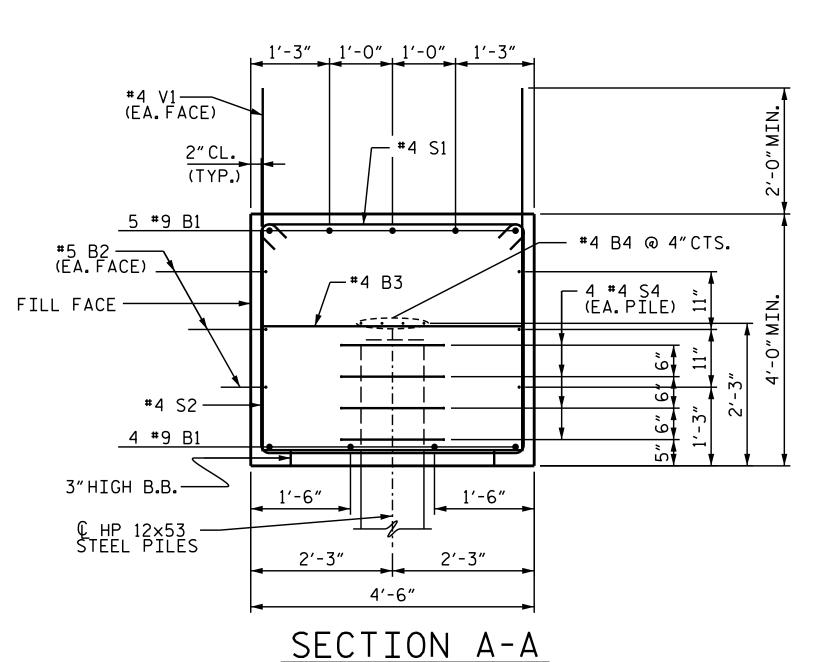


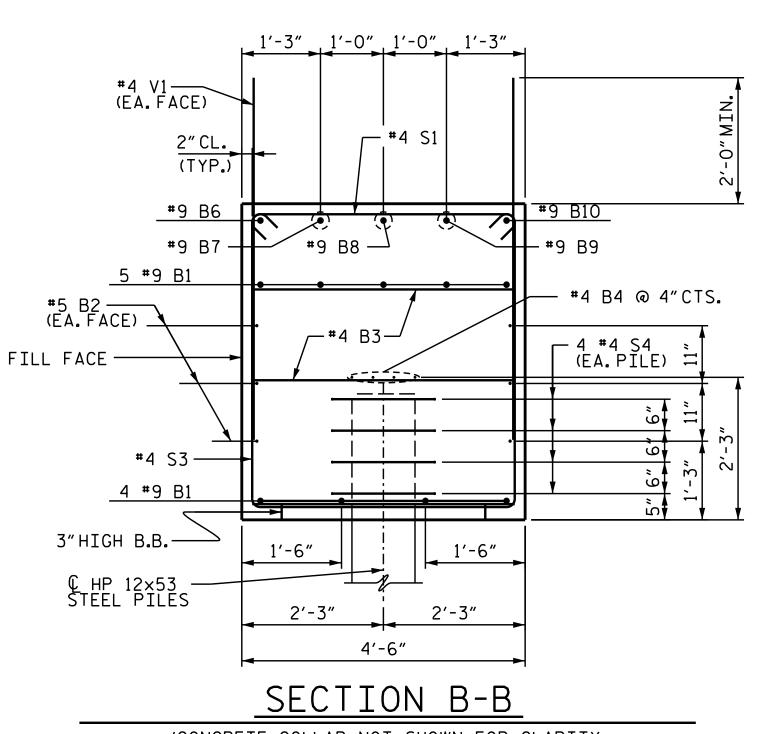
CLASS A CONCRETE BREAKDOWN CAP. LOWER PART 38.6 C.Y.

OF WINGS & COLLARS

CORROSION PROTECTION FOR STEEL PILES DETAIL

FILL FACE





B-5845 PROJECT NO. ____ CLEVELAND COUNTY 22+56.00-L-STATION:

SHEET 4 OF 4

Marshall

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

SUBSTRUCTURE

INTEGRAL END BENT 1 DETAILS

SHEET NO

S-31

TOTAL SHEETS 40

DATE:

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED REVISIONS TGS ENGINEERS
201 W. MARION ST STE 200
SHELBY, NC 28150
PH (704) 476–0003
CORP. LICENSE NO.: C–0275 NO. BY: DATE: BY:

(CONCRETE COLLAR NOT SHOWN FOR CLARITY. SEE "CORROSION PROTECTION FOR STEEL PILES DETAIL.") DRAWN BY: NMW DATE: 8/21
CHECKED BY: MGC DATE: 5/22
DESIGN ENGINEER OF RECORD: ZCS DATE: 3/23

(CONCRETE COLLAR NOT SHOWN FOR CLARITY. SEE "CORROSION PROTECTION FOR STEEL PILES DETAIL.")