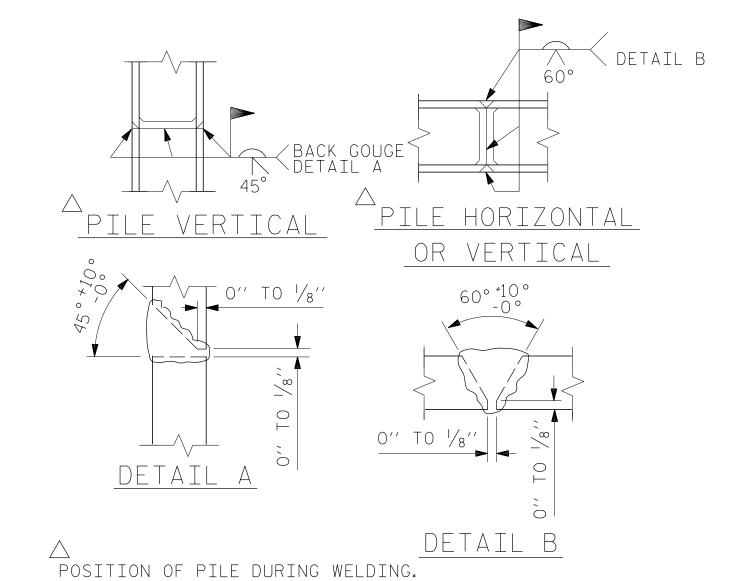
BAGGED STONE AND PIPE SHALL BE PLACED IMMEDIATELY AFTER COMPLETION OF END BENT EXCAVATION. PIPE MAY BE EITHER CONCRETE, CORRUGATED STEEL, CORRUGATED ALUMINUM ALLOY, OR CORRUGATED PLASTIC. PERFORATED PIPE WILL NOT BE ALLOWED.

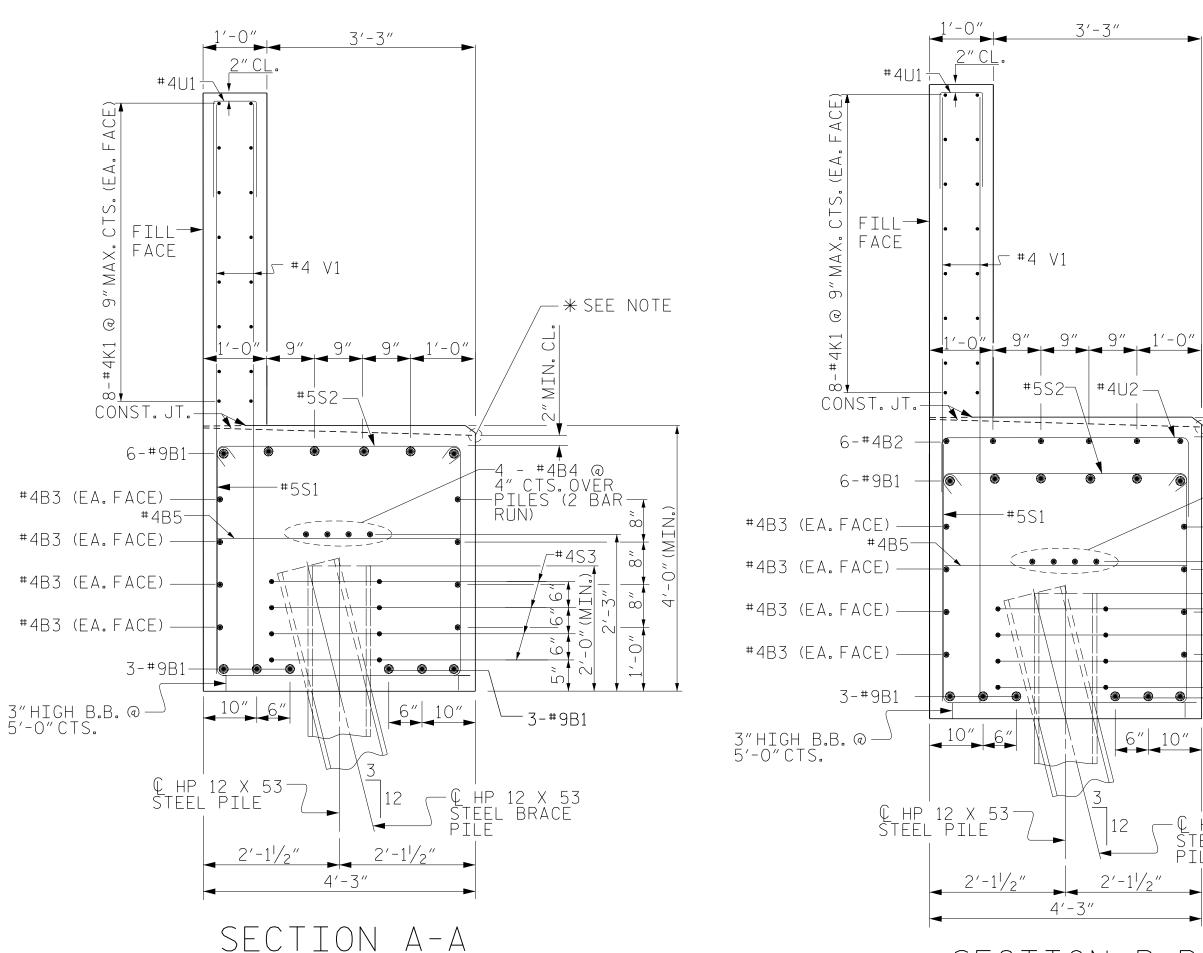
BAGGED STONE SHALL REMAIN IN PLACE UNTIL THE ENGINEER DIRECTS THAT IT BE REMOVED. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF SILT ACCUMULATIONS AT BAGGED STONE WHEN SO DIRECTED BY THE ENGINEER. BAGS SHALL BE REMOVED AND REPLACED WHENEVER THE ENGINEER DETER-MINES THAT THEY HAVE DETERIORATED AND LOST THEIR 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.

TEMPORARY DRAINAGE AT END BENT



PILE SPLICE DETAILS



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

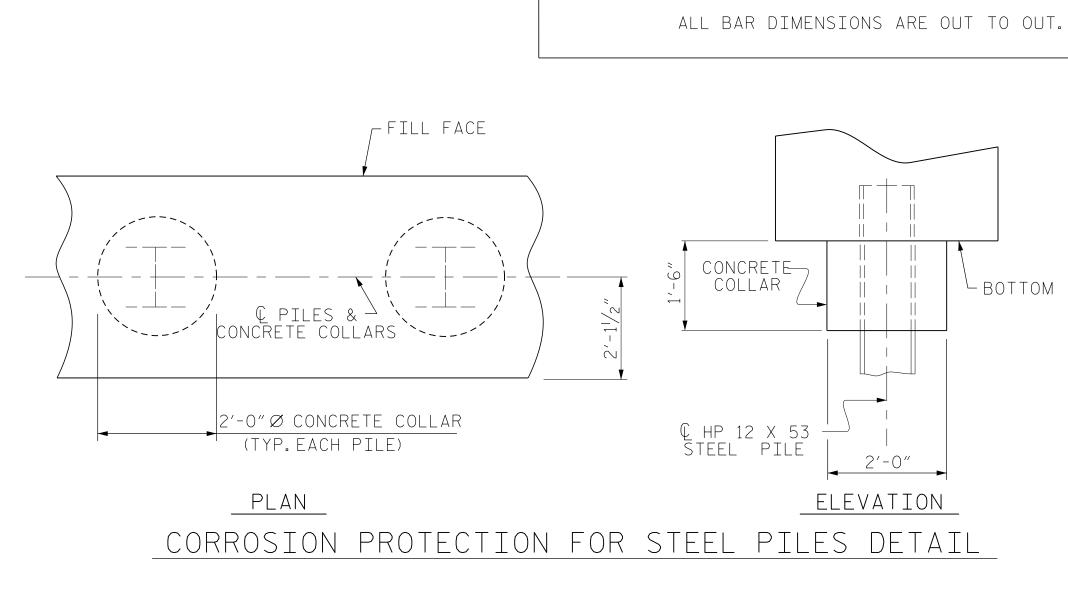
— ★ SEE NOTE -3-#9B1 - © HP 12 X 53 STEEL BRACE SECTION B-B

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

NOTES:

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

* ELEVATIONS BETWEEN BRIDGE SEAT BUILDUPS ARE SHOWN AT THIS POINT.





BOTTOM OF CAP

— BAR TYPES ——

22'-8"

22'-2"

24'-2"

B1 1'-3" 46'-5"

1'-9" S10

2'-9" S12

5¹/2["] 4'-9" 5¹/2" S7

5½" 3'-11" 5½" S2





Firm License No. C-1051 421 Fayetteville St, Suite 400 Raleigh, NC 27601 T 919.380.8750 www.stewartinc.com

597 24′-10″ H2 17 265 #4 23'-4" H3 | 17 | 22'-10" 259 527 #4 STR 24'-8" Κ2 #4 STR 12 4 4'-7" К3 #4 STR 4'-2" | 49 | 618 #5 12'-1" 49 247 #5 4'-10" S3 6'-6" 139 #6 11'-1" 100 S5 #6 5′-3″ 47 #<u>5</u> 13 4 12'-11" #5 5′-8″ 4 11'-3" 12 #5 S9 4'-0" #5 #<u>5</u> S10 4 9'-11" 10 S11 2'-8" #5 #5 1 S12 10'-11" 4 S13 3'-8" #5 38 #4 3′-8″ 93 U2 #4 9 21 6'-11" 97 76 #5 STR 9'-7" 760 V2 33 #5 STR 11'-9" 404 V3 26 #5 STR 328 12'-1" #5 STR 33 11'-2" 384 V 4 V5 | 24 | #5 | STR | 11'-5" 286 REINFORCING STEEL 7,799 LBS. (FOR END BENT NO. 2) CLASS A CONCRETE BREAKDOWN

BILL OF MATERIAL

BAR | NO. | SIZE | TYPE | LENGTH | WEIGH

#4 | STR | 24'-6"

#4 | STR | 3'-11"

#4 | STR |

#4 | STR |

В3

В5

16

13

END BENT NO. 2

48′-11″

17'-4"

24'-6"

139

262

131

34

POUR #1 CAP, LOWER PART OF WINGS, & 41.6 C.Y. CONCRETE COLLARS

POUR #2 BACKWALL & UPPER 20.4 C.Y. PART OF WINGS TOTAL CLASS A CONCRETE 62.0 C.Y.

HP 12 X 53 STEEL PILES NO: 10 LIN. FT.= 460

PROJECT NO. R-2707C

CLEVELAND COUNTY

STATION: 24+05.50-Y4-REV PO

SHEET 3 OF 3

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH

SUBSTRUCTURE

END BENT NO. 2 DETAILS

SHEET NO REVISIONS S5-26 NO. BY: DATE: DATE: TOTAL SHEETS 29

2707C_5

H.ASSFOURA DATE : 03/16 DRAWN BY: J. LOFTUS DATE : <u>| ||/|6</u> DESIGN ENGINEER OF RECORD: <u>J.LOFTUS</u> DATE:<u>01/17</u>

STR.#5