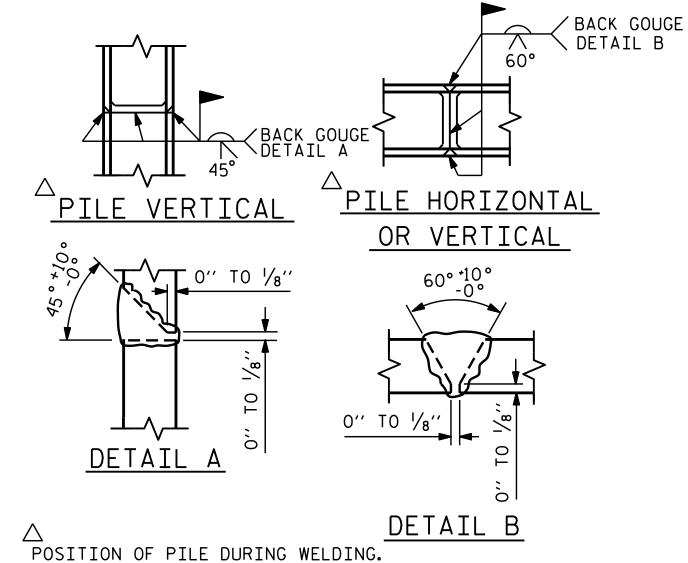


BAGGED STONE AND PIPE SHALL BE PLACED IMMEDIATELY AFTER COMPLETION OF END BENT EXCAVATION. PIPE MAY BE EITHER CONCRETE, CORRUGATED STEEL, CORRUGATED ALUMINUM ALLOY, OR CORRUGATED PLASTIC. PERFORATED PIPE WILL NOT BE ALLOWED.

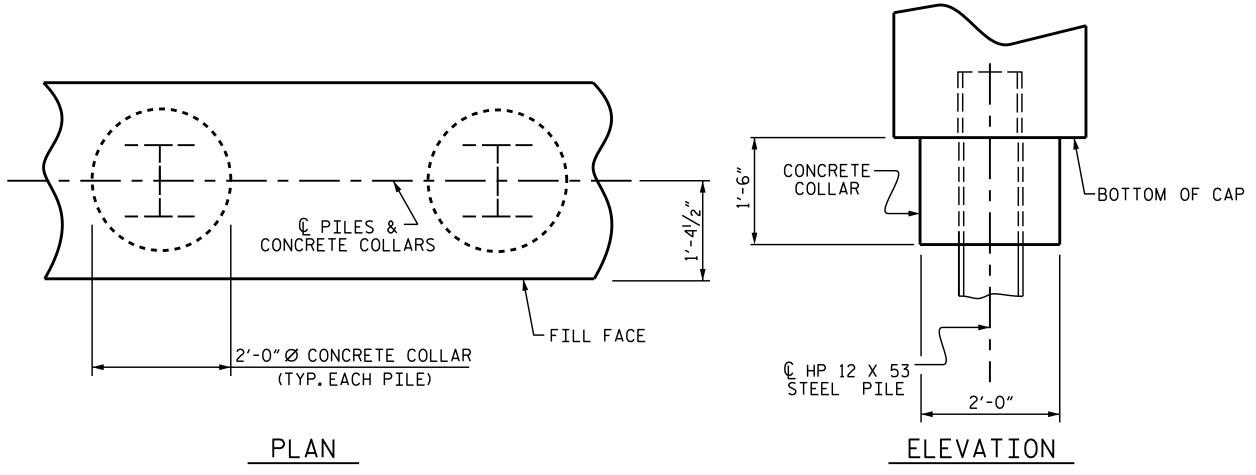
BAGGED STONE SHALL REMAIN IN PLACE UNTIL THE ENGINEER DIRECTS THAT IT BE REMOVED. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF SILT ACCUMULATIONS AT BAGGED STONE WHEN SO DIRECTED BY THE ENGINEER. BAGS SHALL BE REMOVED AND REPLACED WHENEVER THE ENGINEER DETER-MINES THAT THEY HAVE DETERIORATED AND LOST THEIR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



## CORROSION PROTECTION FOR STEEL PILES DETAIL

(END BENT No.1 SHOWN, END BENT No.2 SIMILAR BY ROTATION)

— € CORED SLAB UNIT 2'-6" #6 D1 DOWELS 1'-3" 1'-3" TO PROJECT 9" ABOVE CAP (TYP.) & BEARING

DETAIL "A"

(END BENT No. 1 SHOWN, END BENT No. 2 SIMILAR BY ROTATION)

91/2" 91/2"

1'-7"

- FILL FACE

€ #6 D1 DOWEL FILL FACE 2" CL. 4-**#**9 B1 - 4-#4 B2 @ 4" CTS. OVER PILES #4 B3-#4 B2 (EA.FACE) #4 B2 (EA.FACE) 2-#9 B1 2" CL. (TYP.) 2-**#**9 B1 — 3" HIGH B.B. € HP 12 X 53 — STEEL PILE 1'-41/2" 1'-41/2" 2'-9'' SECTION A-A

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

B-5331 PROJECT NO. \_\_\_ COLUMBUS \_ COUNTY 15+20.00 -L-

BILL OF MATERIAL

FOR ONE END BENT

BAR | NO. | SIZE | TYPE | LENGTH | WEIGHT

41'-0"

20′-7"

2′-5″

3'-2"

6′-6"

1115

220

16

50

126

23

248

106

61

150

2115 LBS

12.4 C.Y.

1.8 C.Y.

14.2 C.Y.

. #9

B3 | 10 | #4 | STR |

#4 | STR |

D1 | 22 | #6 | STR | 1'-6"

H1 | 24 | #4 | 2 | 7'-10"

K1 | 12 | #4 | STR | 2'-11"

S1 | 50 | #4 | 3 | 7'-5"

V1 | 48 | #4 | STR | 4'-8"

CLASS A CONCRETE BREAKDOWN

(FOR ONE END BENT)

OF WINGS & COLLARS

POUR #1 CAP, LOWER PART

POUR #2 UPPER PART OF

WINGS

4

#4

#4

B2 | 16 |

S2 | 50 |

14

REINFORCING STEEL

(FOR ONE END BENT)

S3

LIN. FT.= 350.0 | TOTAL CLASS A CONCRETE

STATION:\_

SHEET 4 OF 4

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

SUBSTRUCTURE

END BENT No.1 & 2 DETAILS

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-13
1			3			TOTAL SHEETS
2			4			18

DRAWN BY: DGE 12/09
CHECKED BY: MKT 01/10
REV. 11/14

ASSEMBLED BY :D. SHACKELFORD DATE : 01/15

CHECKED BY: J.P. ADAMS DATE: 02/15

23-SEP-2015 09:26 R:\Structures\Plans\Sub\_Draw\B-5331\_SD\_E\*.dgn

1"X 8"X 2'-6" — ELASTOMERIC BRG. PAD (TYPE I)(TYP.)

STD. NO. EB\_33\_90S

SEAL 29441 CHOINEER

BAR TYPES

7'-2"

1′-8″Ø

END BENT 2

HP 12 X 53 STEEL PILES

PILE REDRIVES = 4 EA. STEEL PILE POINTS = 7

ALL BAR DIMENSIONS ARE OUT TO OUT.

NO: 7

38'-6"

2'-5"

END BENT 1

HP 12 X 53 STEEL PILES

PILE REDRIVES = 4 EA.

STEEL PILE POINTS = 7

LIN.FT.= 350.0

NO: 7

Kut Z. W. ayou

F245838930BF40E 9/23/2015