

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.

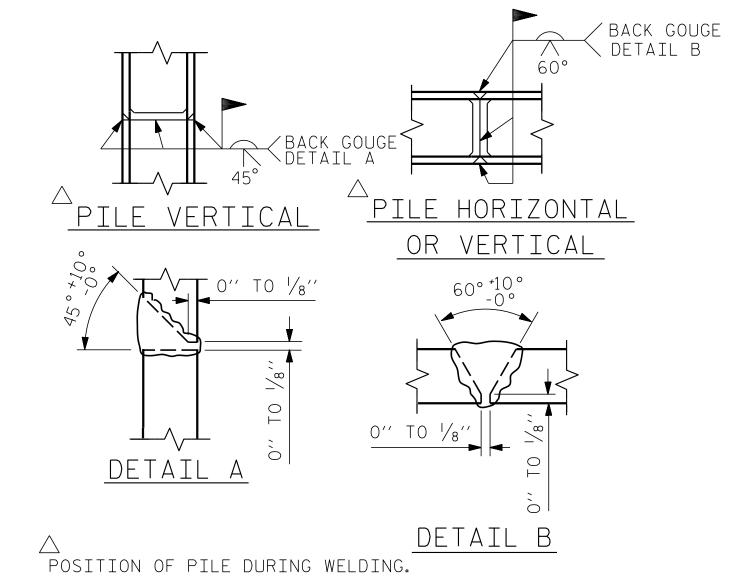
TEMPORARY DRAINAGE AT END BENT

€ PILES & → CONCRETE COLLARS

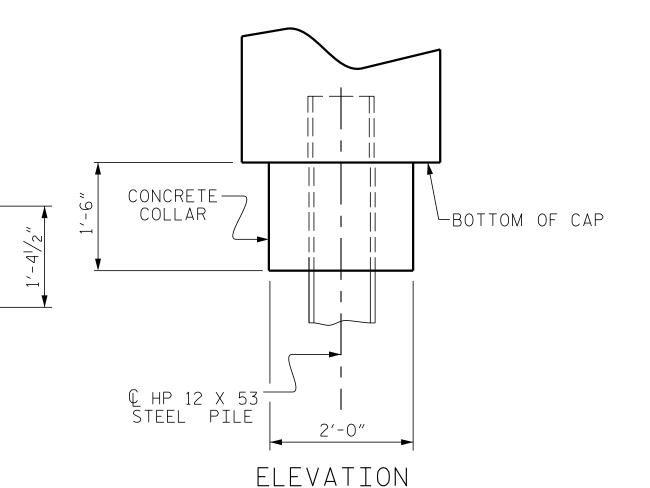
2'-0" Ø CONCRETE COLLAR

PLAN

(TYP.EACH PILE)



PILE SPLICE DETAILS



#4 | STR | 23 12 2'-11" Κ1 2'-5" S1 50 #4 7′-5″ 248 S2 50 #4 3′-2″ 106 S3 | 14 | #4 6′-6″ 61 48 #4 | STR | 4′-8″ 150 -1'-3'' LAP REINFORCING STEEL 2115 LBS (FOR ONE END BENT) CLASS A CONCRETE BREAKDOWN (FOR ONE END BENT) 2'-5" POUR #1 CAP, LOWER PART 12.4 C.Y. 1'-8" Ø OF WINGS & COLLARS POUR #2 UPPER PART OF 1.8 C.Y. ALL BAR DIMENSIONS ARE OUT TO OUT. WINGS END BENT No.1 END BENT No. 2 HP 12 X 53 STEEL PILES HP 12 X 53 STEEL PILES LIN.FT. = 350 NO: 7 NO: 7 LIN.FT. = 385 TOTAL CLASS A CONCRETE 14.2 C.Y. PILE DRIVING EQUIPMENT PILE DRIVING EQUIPMENT

SETUP FOR

HP 12 X 53 STEEL PILES

PILE REDRIVES

NO: 4

NO: 7

NO: 4

(2)

7'-2"

BAR TYPES

38′-6″

SETUP FOR

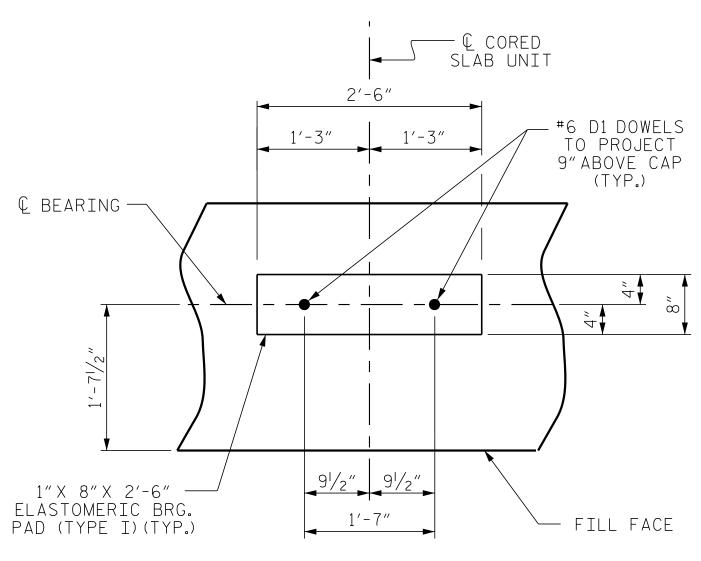
HP 12 X 53 STEEL PILES

PILE REDRIVES

CORROSION PROTECTION FOR STEEL PILES DETAIL

└─ FILL FACE

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



DETAIL "A"

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

-¢ #6 D1 DOWEL FILL FACE 2" CL. _#4 S2 o 4-#9 B1 — 4-#4 B2 @ 4" CTS. #4 B3 OVER PILES #4 B2 (EA.FACE) —#4 S3 #4 S1 ____ #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.")

ENGINEER OF RECORD 2/20/2020 ROFESSION_{UZ} SEAL 22072 ANCINEER WO John Arthur Dilworth 1223 Jones Franklin Rd. Raleigh, N.C. 27606 Bus: 919 851 8077 Fax: 919 851 8107

PROJECT NO. BR-0111 EDGECOMBE COUNTY 31+08.50 -L-STATION:

BILL OF MATERIAL

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

#9 | 1 |

#4 | STR |

#4 STR

#6 | STR |

#4 2

В2

16

B3 10

D1 22

H1 | 24 |

FOR ONE END BENT

41′-0″

20'-7"

2′-5″

1′-6″

7′-10″

1115

220

16

50

126

SHEET 4 OF 4

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

SUBSTRUCTURE

END BENT No.1 & 2 DETAILS

REVISIONS SHEET NO. SO2-11 DATE: BY: DATE: NO. BY: TOTAL SHEETS

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETE

ASSEMBLED BY: J. PENDERGRAFT DATE: 6-19 CHECKED BY: J. DILWORTH DATE: 8-19 DRAWN BY: DGE 12/09 CHECKED BY: MKT 01/10 REV. 4/17 MAA/THC

LICENSE NO. F-0377 STD. NO. EB_33_90S