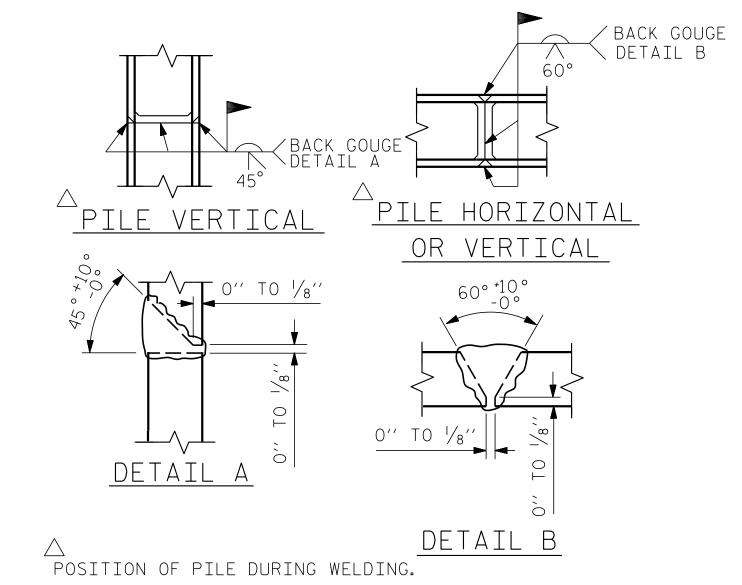
BAGGED STONE AND PIPE SHALL BE PLACED IMMEDIATELY AFTER COMPLETION OF END BENT EXCAVATION. PIPE MAY BE EITHER CONCRETE, CORRUGATED STEEL, CORRUGATED ALUMINUM ALLOY, OR CORRUGATED PLASTIC. PERFORATED PIPE WILL NOT BE ALLOWED.

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.

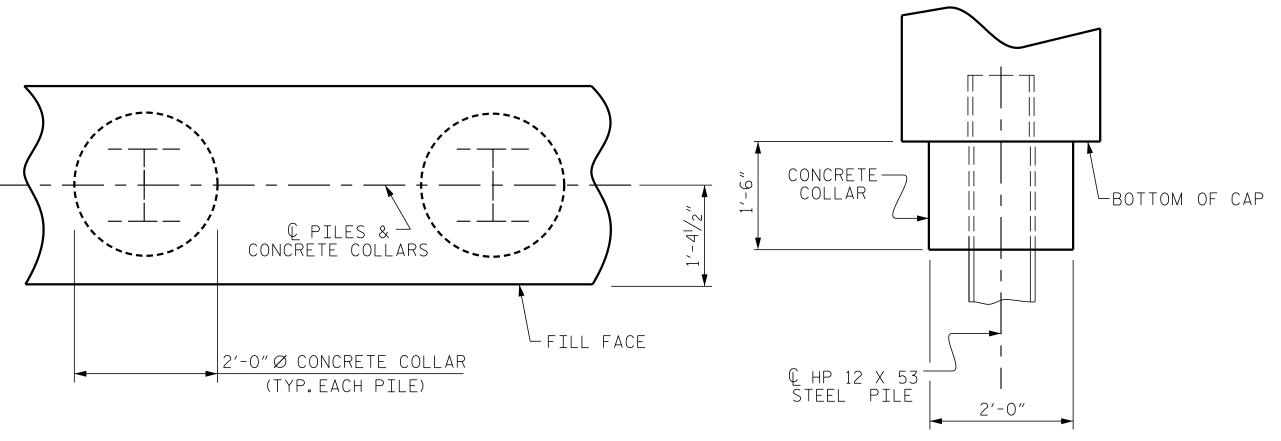
## TEMPORARY DRAINAGE AT END BENT

PLAN



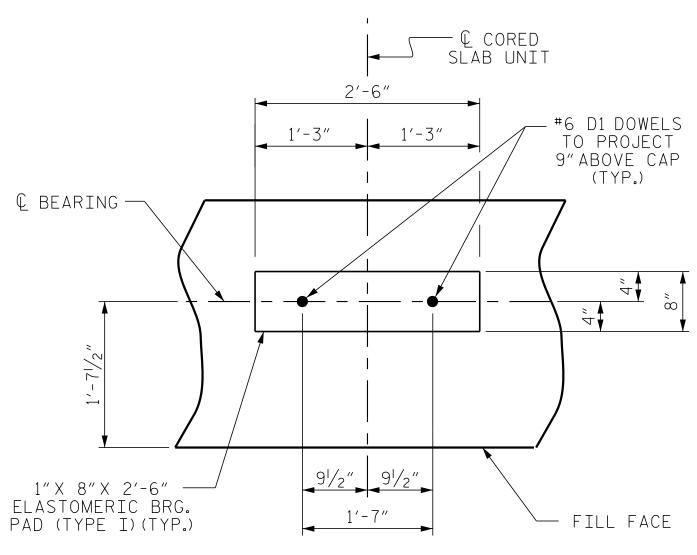
## PILE SPLICE DETAILS

ELEVATION

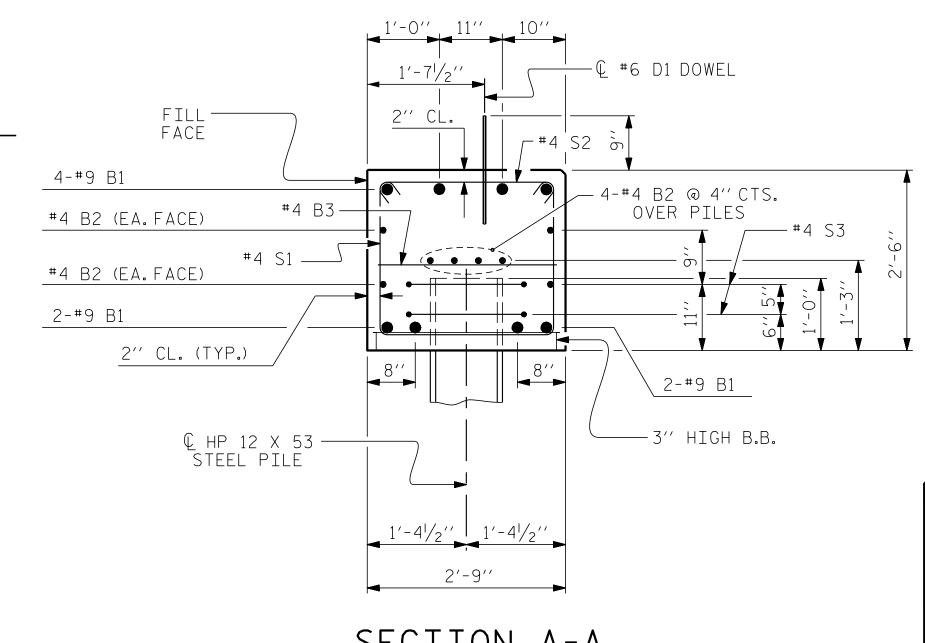


## CORROSION PROTECTION FOR STEEL PILES DETAIL

(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)



SECTION A-A

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

> DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETE

BAR TYPES

38′-6″

2'-5"

END BENT No.1

HP 12 X 53 STEEL PILES

PILE DRIVING EQUIPMENT SETUP FOR

HP 12 X 53 STEEL PILES

PILE REDRIVES

NO: 7

LIN. FT. = 350

NO: 4

(2)

7'-2"

2'-5"

1'-8" Ø

END BENT No. 2

HP 12 X 53 STEEL PILES

PILE DRIVING EQUIPMENT

SETUP FOR

HP 12 X 53 STEEL PILES

22072

ANGINEER WO

John Arthur Dhworth

1223 Jones Franklin Rd. Raleigh, N.C. 27606 Bus: 919 851 8077 Fax: 919 851 8107 LICENSE NO. F-0377

WETHERILI

PILE REDRIVES

LIN.FT. = 350

NO: 7

NO: 4

ALL BAR DIMENSIONS ARE OUT TO OUT.

NO: 7

-1'-3'' LAP

PROJECT NO	BR-0111
EDGECC	MBE COUNTY
STATION:	16+80.00 -L-

BILL OF MATERIAL

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

#9 | 1 |

#4 | STR |

#4 | STR |

#6 | STR |

#4 2

#4 | STR |

#4 | STR |

#4

#4

#4

В2

Κ1

S1

16

B3 | 10 |

D1 22

H1 | 24 |

S2 50

S3 | 14 |

1 12 1

50

48

REINFORCING STEEL

(FOR ONE END BENT)

CLASS A CONCRETE BREAKDOWN

(FOR ONE END BENT)

OF WINGS & COLLARS

POUR #1 CAP, LOWER PART

POUR #2 UPPER PART OF

WINGS

TOTAL CLASS A CONCRETE

FOR ONE END BENT

41′-0″

20'-7"

2'-5"

1′-6″

7′-10″

2'-11"

7′-5″

3′-2″

6′-6″

4′-8″

1115

220

16

50

126

23

248

106

61

150

2115 LBS

12.4 C.Y.

1.8 C.Y.

14.2 C.Y.

SHEET 4 OF 4

ENGINEER OF RECORD 2/20/2020 STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION \* CFESSIONAL S SEAL

SUBSTRUCTURE

END BENT No.1 & 2 DETAILS

		SHEET NO.				
•	BY:	DATE:	NO.	BY:	DATE:	S01-14
			3			TOTAL SHEETS
			4			18

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

STD. NO. EB\_33\_90S