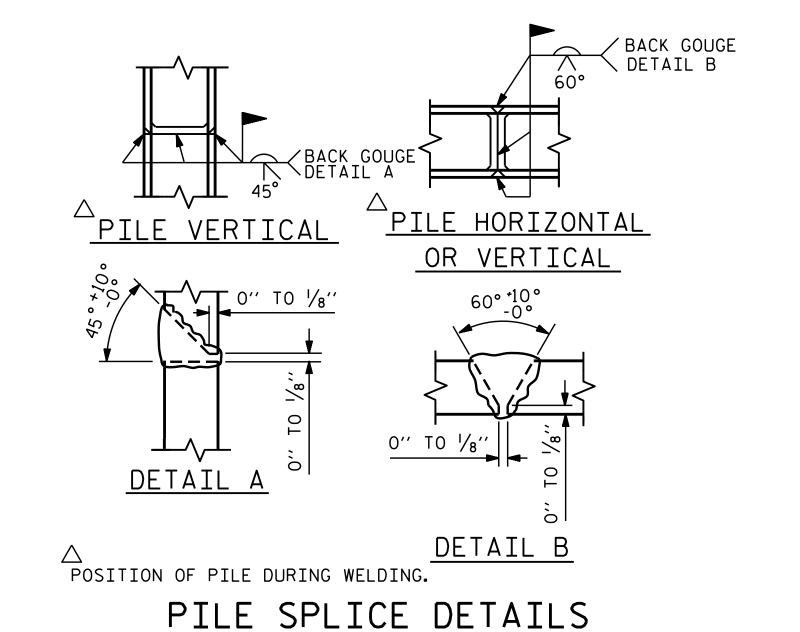


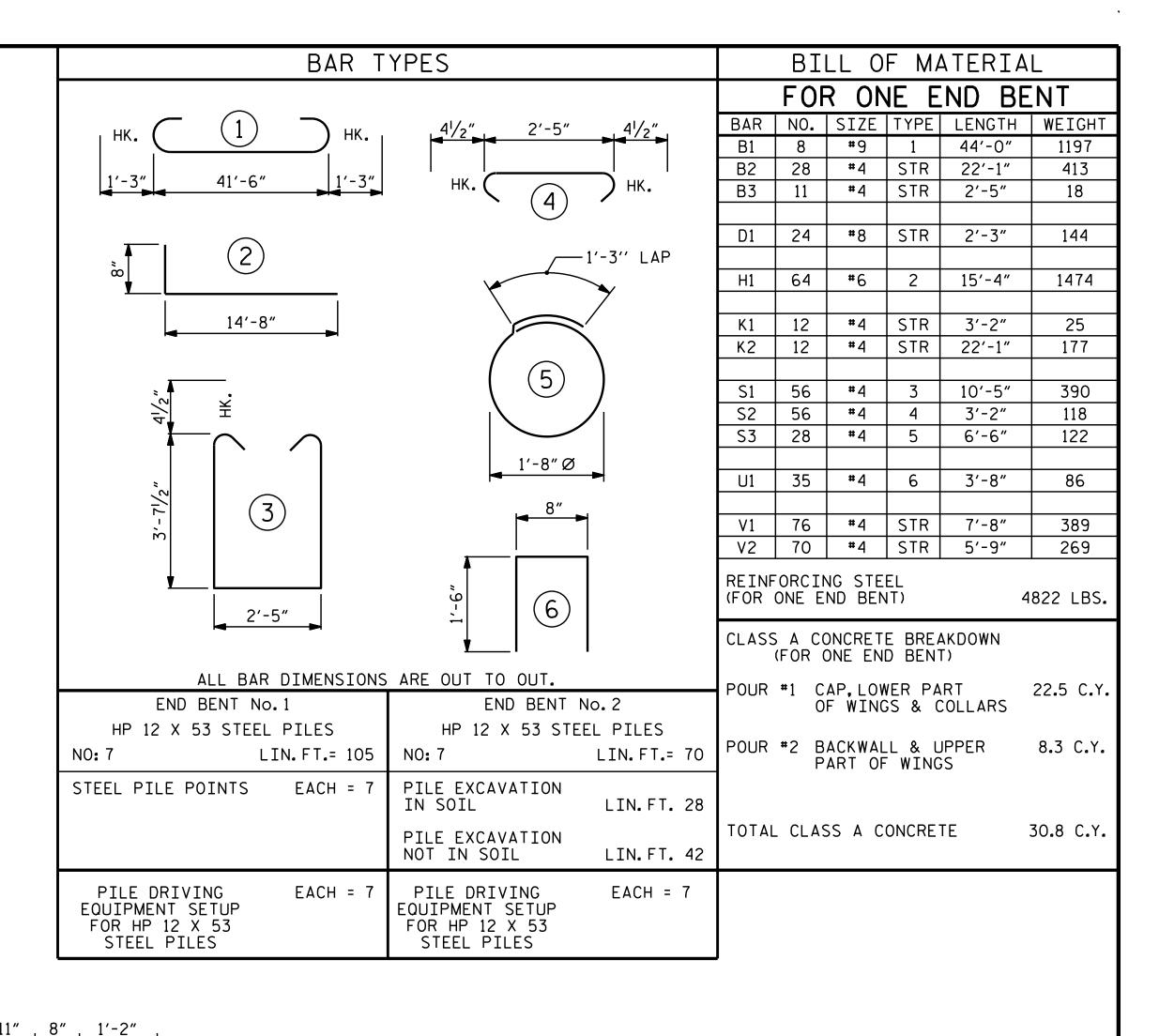
BAGGED STONE AND PIPE SHALL BE PLACED IMMEDIATELY AFTER COMPLETION OF END BENT EXCAVATION. PIPE MAY BE EITHER CONCRETE, CORRUGATED STEEL, CORRUGATED ALUMINUM ALLOY, OR CORRUGATED PLASTIC. PERFORATED PIPE WILL NOT BE ALLOWED.

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



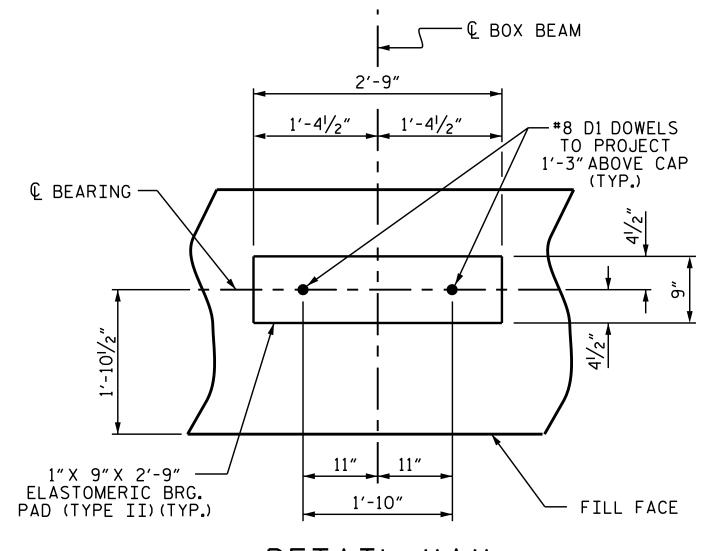


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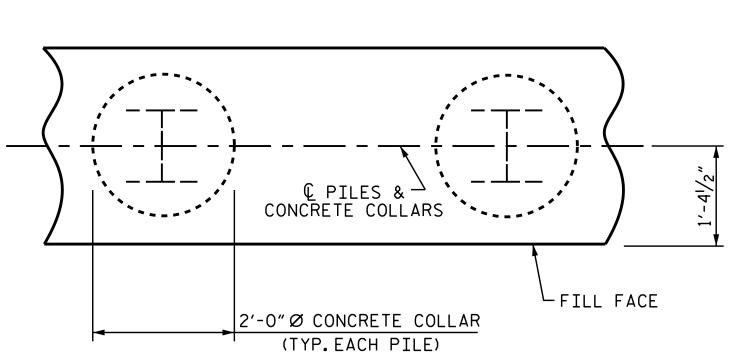
the Z. W. ayou

3 NOINEES

5/23/2017



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



PLAN

II I CONCRETE — COLLAR © HP 12 X 53 STEEL PILE 2'-0" ELEVATION

CORROSION PROTECTION FOR STEEL PILES DETAIL (END BENT No.1 SHOWN, END BENT No.2 SIMILAR BY ROTATION)

ASSEMBLED BY : R.P. PATEL DATE: 10-18-16 CHECKED BY: R.L. CHESSON DATE: 04-06-17 REV. 8/14 DRAWN BY: WJH 12/11 CHECKED BY : AAC 12/11

BOTTOM OF CAP

© HP 12 X 53 STEEL PILE-— 3" HIGH B.B. . € HP 12 X 53 STEEL BRACE 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.") DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

-#4 S2

-€ #8 D1 DOWEL

-4-#4 B2 @ 4" CTS.

— #4 S3

OVER PILES

2-**#**9 B1

1'-101/2"

2" CL.

#4 U1—

#4 V2-

⊇ CONST. JT.-

FILL FACE

#4 B3 —

#4 S1----

4-#9 B1

2-**#**9 B1

2"CL.(TYP.)—

1-#4 K2 — EA.FACE

1-#4 B2— EA.FACE

B-5348 PROJECT NO.___ ORANGE COUNTY STATION: 14+50.50 -L-SHEET 4 OF 4 STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

RALEIGH SUBSTRUCTURE

END BENT No.1 & 2 DETAILS

SHEET NO REVISIONS S-17 DATE: DATE: BY: TOTAL SHEETS