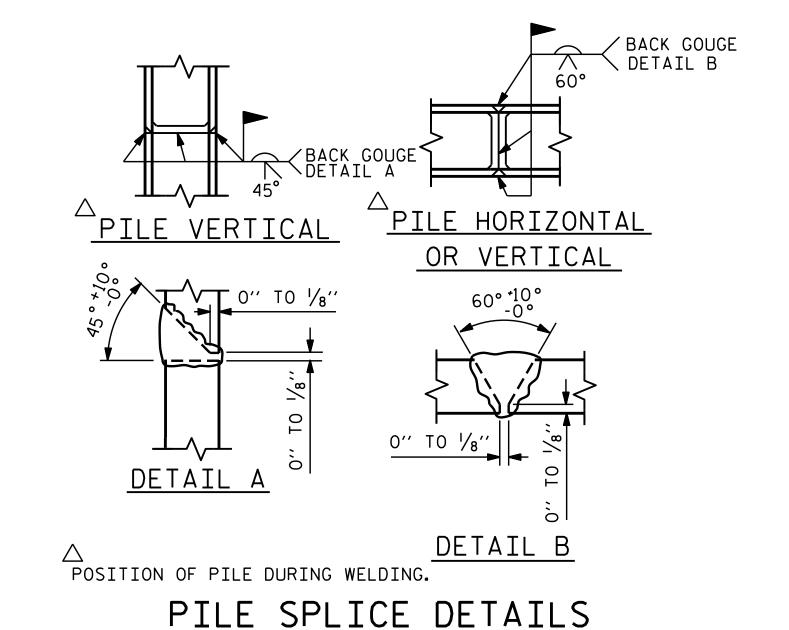


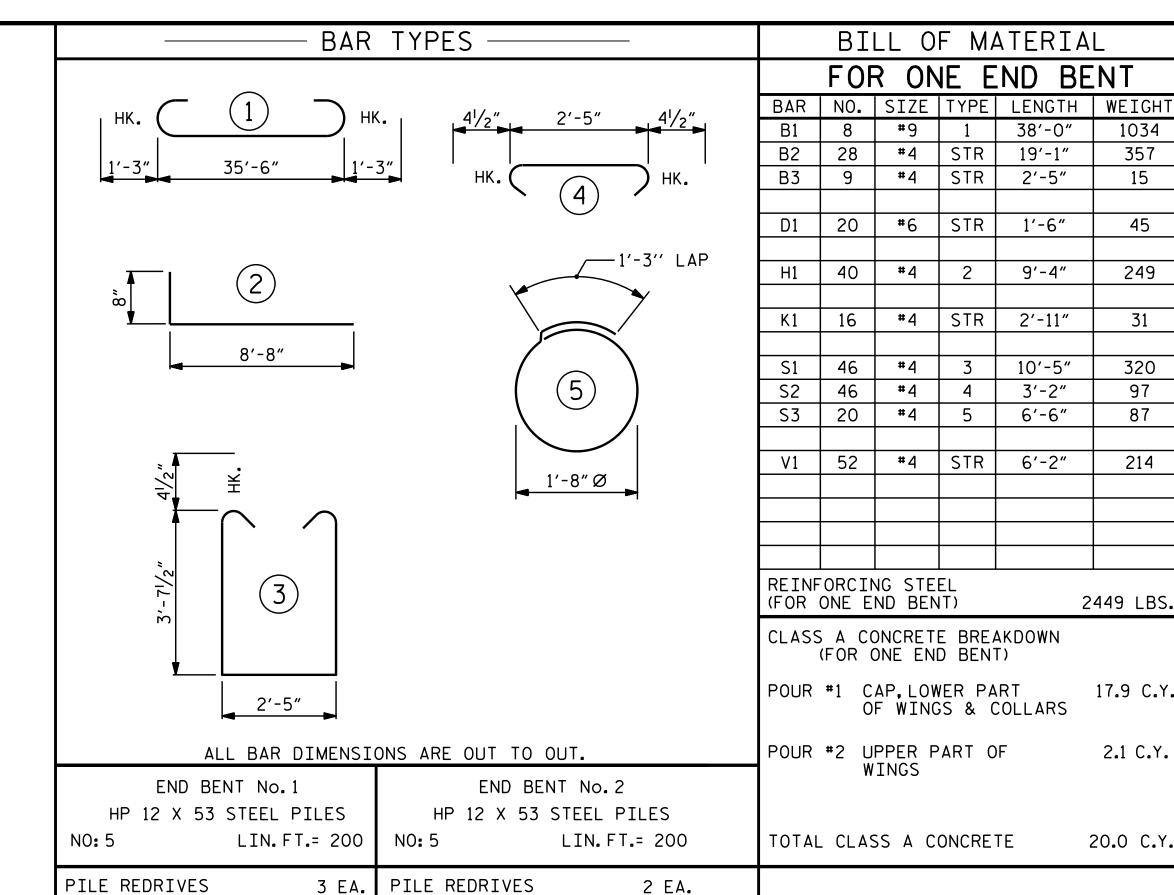
BAGGED STONE AND PIPE SHALL BE PLACED IMMEDIATELY AFTER COMPLETION OF END BENT EXCAVATION. PIPE MAY BE EITHER CONCRETE, CORRUGATED STEEL, CORRUGATED ALUMINUM ALLOY, OR CORRUGATED PLASTIC. PERFORATED PIPE WILL NOT BE ALLOWED.

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



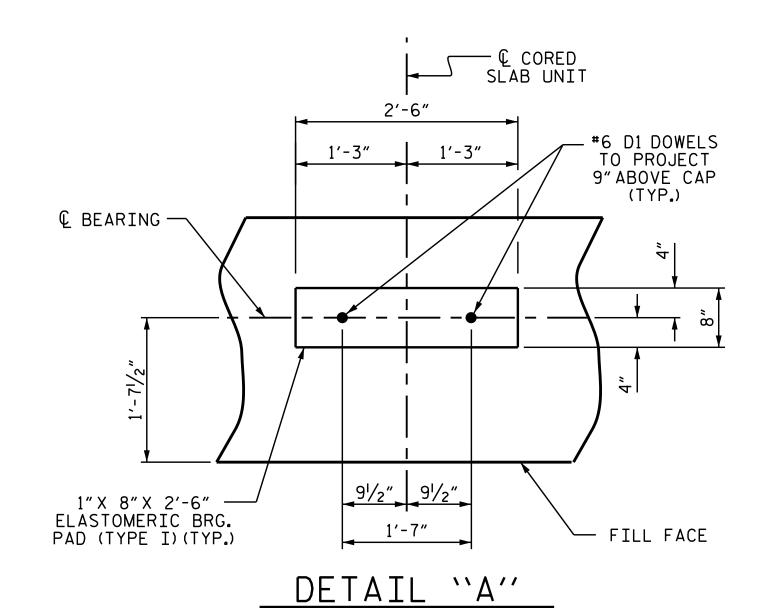


PILE DRIVING EQUIPMENT

5 EA.

SETUP FOR HP 12 X 53

5 EA. STEEL PILES



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

© PILES & \\_\_\_\_\_
CONCRETE COLLARS └FILL FACE 2'-0" Ø CONCRETE COLLAR

(TYP. EACH PILE)

PLAN

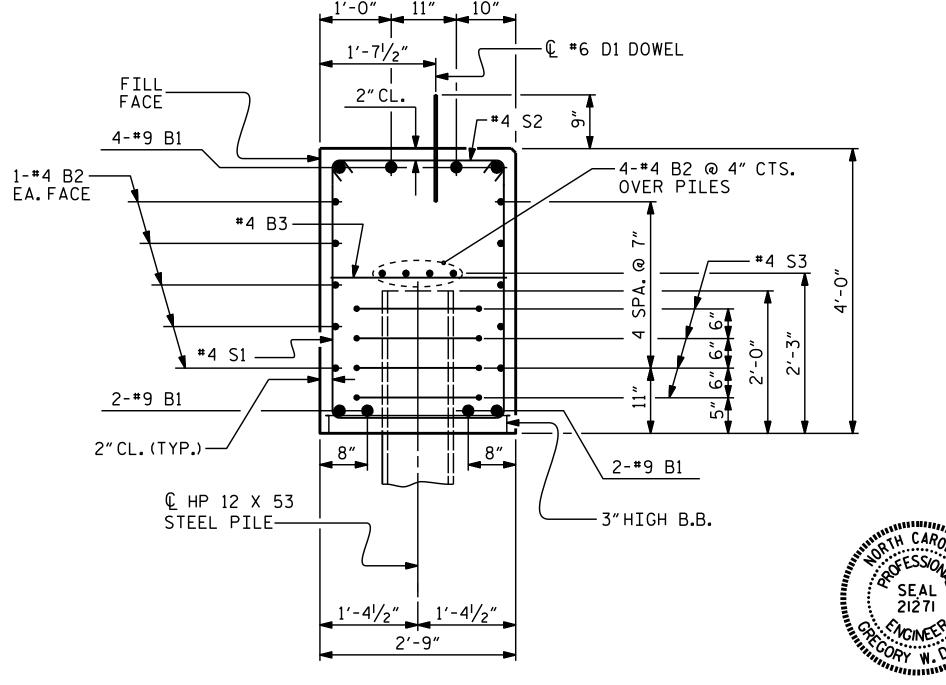
| | | | | CONCRETE — COLLAR BOTTOM OF CAP © HP 12 X 53 STEEL PILE 2'-0" ELEVATION

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

ASSEMBLED BY : P.N.HOLDER DATE: 08/16 CHECKED BY: S. B. WILLIAMS DATE: 08/16 DRAWN BY: WJH 12/11 CHECKED BY : AAC 12/11

SECTION A-A

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



PILE DRIVING EQUIPMENT

SETUP FOR HP 12 X 53

STEEL PILES

16+10.00 -L-STATION:\_ SHEET 4 OF 4

JOHNSTON

PROJECT NO.\_

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH

B-4770

\_ COUNTY

357

15

45

249

31

320

97

87

214

2449 LBS.

17.9 C.Y.

2.1 C.Y.

20.0 C.Y.

SUBSTRUCTURE

END BENT No.1 & 2 DETAILS

Greg Dickey 884E46B8CE5B4B6. 6/20/2017 SHEET NO REVISIONS S-15 DATE: DATE: DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED