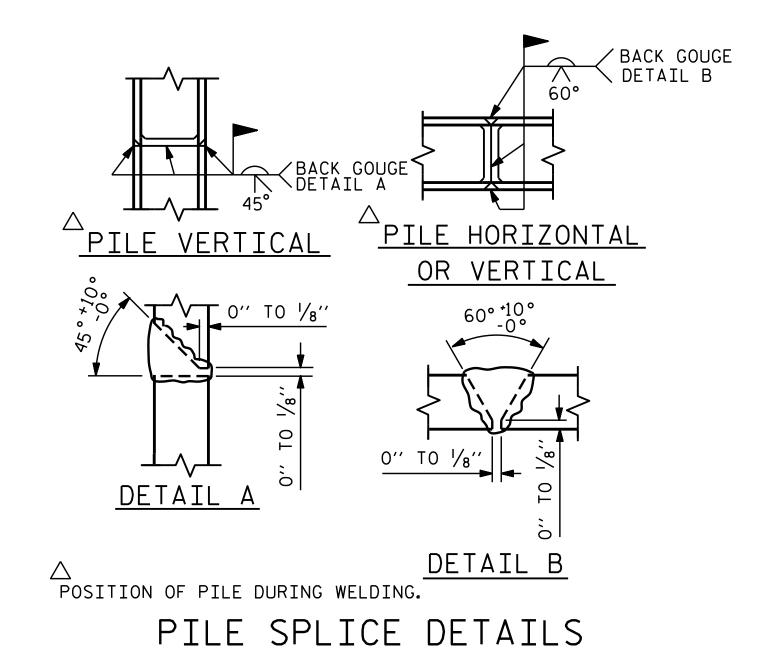


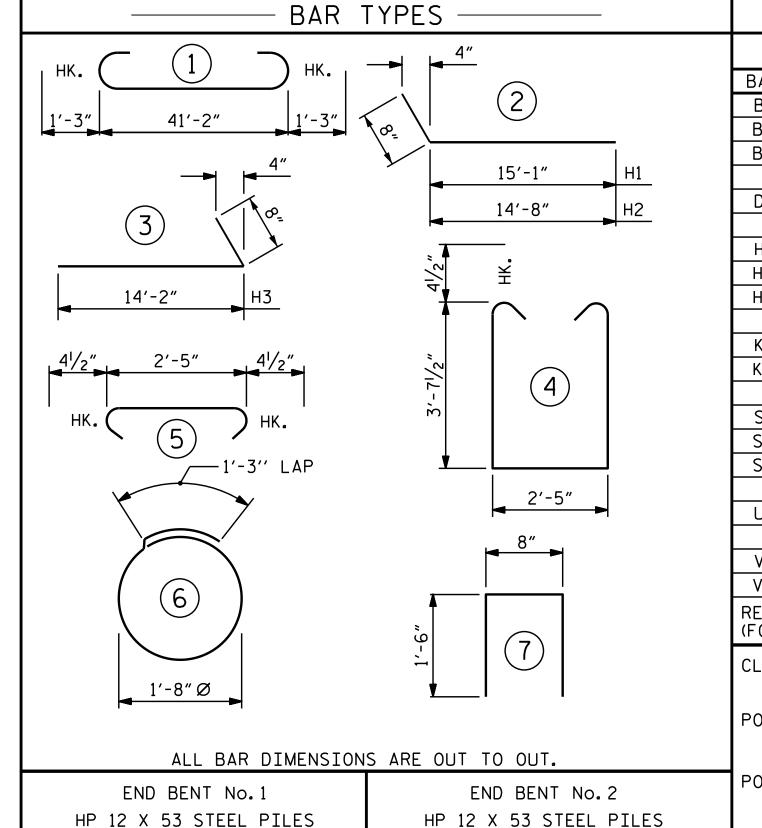
BAGGED STONE AND PIPE SHALL BE PLACED IMMEDIATELY AFTER COMPLETION OF END BENT EXCAVATION. PIPE MAY BE EITHER CONCRETE, CORRUGATED STEEL, CORRUGATED ALUMINUM ALLOY, OR CORRUGATED PLASTIC. PERFORATED PIPE WILL NOT BE ALLOWED.

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





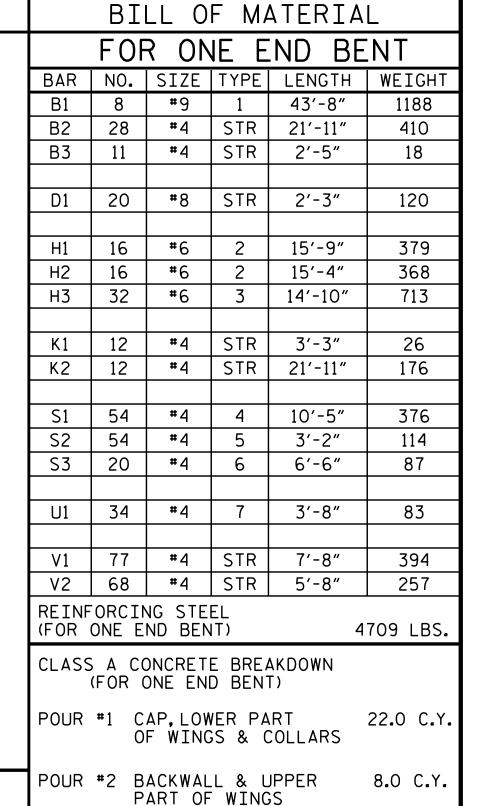
NO: 5

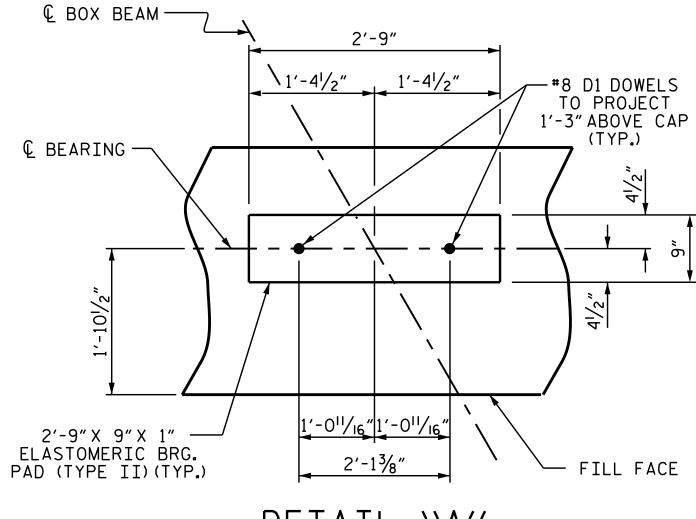
LIN. FT.= 125

STEEL PILE POINTS 5 EA.

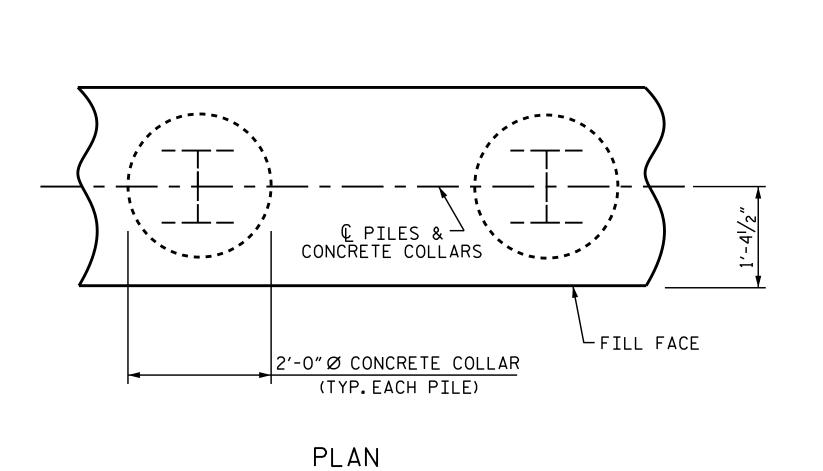
LIN. FT.= 175

5 EA.



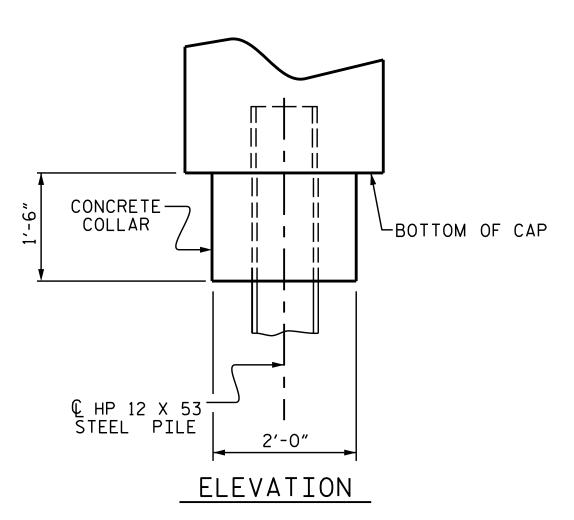


DETAIL "A" (END BENT No. 1 SHOWN, END BENT No. 2 SIMILAR BY ROTATION)



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

ASSEMBLED BY: A.K.PATEL DATE: 11/24/15 CHECKED BY: W.F.PARKER DATE: 3/16 MAA/TMG REV. 8/14 DRAWN BY: WJH 12/11 CHECKED BY : AAC 12/11



1'-10<sup>1</sup>/<sub>2</sub>" 2" CL. | | | — € #8 D1 DOWEL #4 U1— 1-#4 K2 —— EA.FACE #4 V2-CONST. JT.r#4 S2 → 4-#9 B1 —4-#4 B2 @ 4" CTS. 1-#4 B2— EA.FACE OVER PILES FILL FACE— #4 B3 — 2-**#**9 B1 2"CL.(TYP.)— 2-#9 B1 © HP 12 X 53 STEEL PILE— -3"HIGH B.B. . Q HP 12 X 53 STEEL BRACE PILE  $1'-4\frac{1}{2}"$   $1'-4\frac{1}{2}"$ 2'-9"

NO: 5

STEEL PILE POINTS

SECTION A-A

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

B-5360 PROJECT NO. \_ RANDOLPH \_\_ COUNTY 23+68.00 -L-

STATION:\_

TOTAL CLASS A CONCRETE

30.0 C.Y.

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH

SUBSTRUCTURE

END BENT No.1 & 2 DETAILS

-- 884E46B8CE5B4B6. SHEET NO **REVISIONS** 8/22/2016 S-16 NO. BY: DATE: DATE: DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED TOTAL SHEETS 38

SHEET 4 OF 4

\* COFESSION

SEAL 21271

NOINEER

Greg Dickey