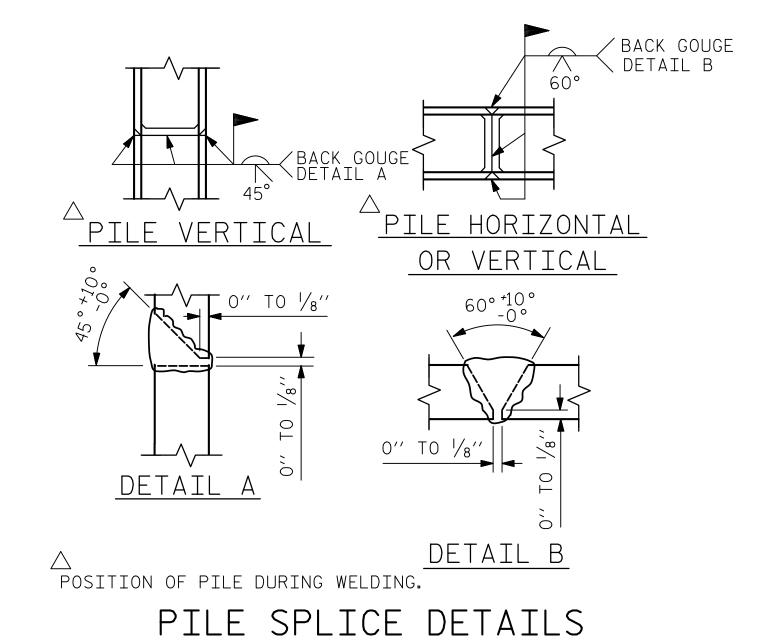


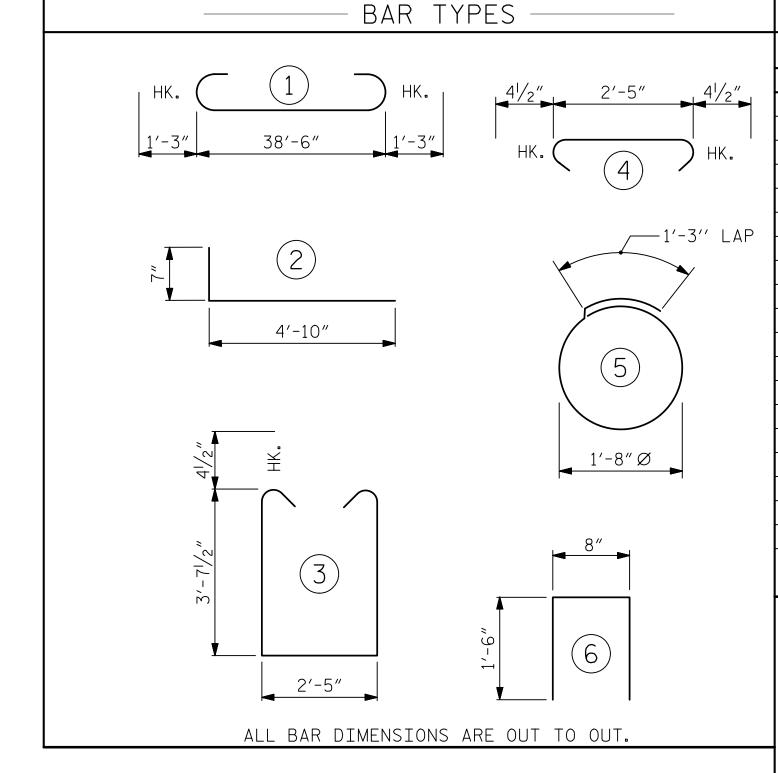
BAGGED STONE AND PIPE SHALL BE PLACED IMMEDIATELY AFTER COMPLETION OF END BENT EXCAVATION. PIPE MAY BE EITHER CONCRETE, CORRUGATED STEEL, CORRUGATED ALUMINUM ALLOY, OR CORRUGATED PLASTIC. PERFORATED PIPE WILL NOT BE ALLOWED.

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.

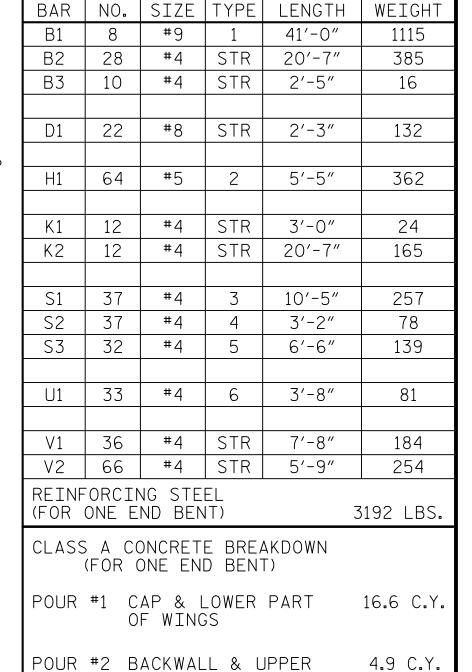
NO SEPARATE PAYMENT WILL BE MADE FOR THIS WORK AND THE ENTIRE COST OF THIS WORK SHALL BE INCLUDED IN THE UNIT CONTRACT PRICE BID FOR THE SEVERAL PAY ITEMS.

## TEMPORARY DRAINAGE AT END BENT





— Ĉ BOX BEAM



PART OF WINGS

PILE DRIVING EQUIPMENT SETUP

PILE DRIVING EQUIPMENT SETUP FOR HP 12 X 53 STEEL PILES

FOR HP 12 X 53 STEEL PILES

END BENT No.1

END BENT No. 2

21.5 C.Y.

LIN. FT.= 456

LIN.FT.= 496

TOTAL CLASS A CONCRETE

HP 12 X 53 STEEL PILES

HP 12 X 53 STEEL PILES

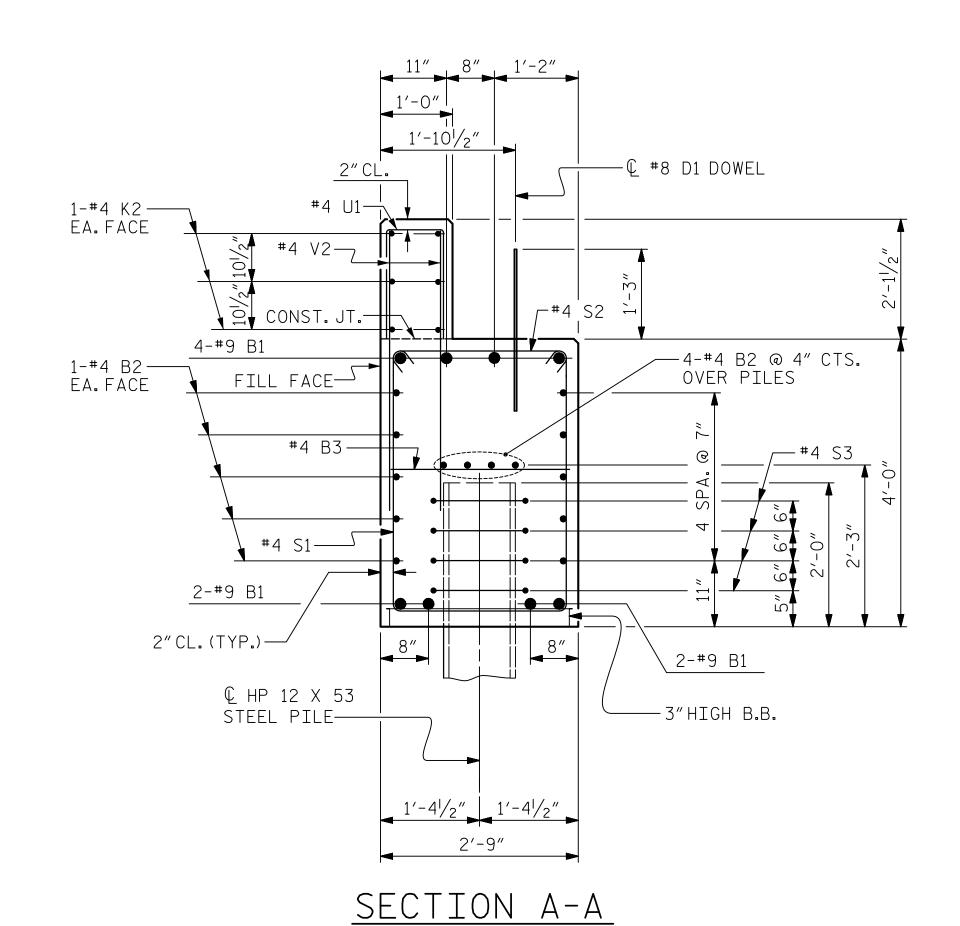
NO: 8

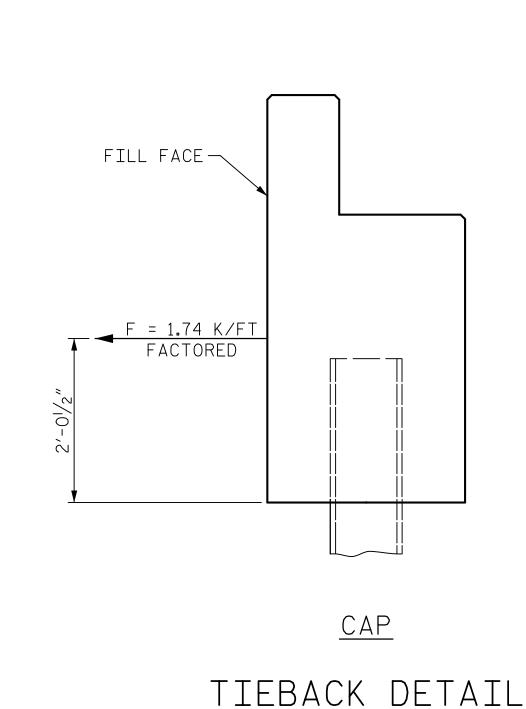
NO: 8

NO: 8

BILL OF MATERIAL

FOR ONE END BENT



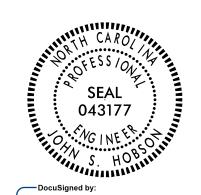


(DETAIL SHOWING TIEBACK RESTRAINT FOR END BENT 1 & 2)

 $1'-4\frac{1}{2}''$  $1'-4^{1/2}''$ #8 D1 DOWELS TO PROJECT 1'-3" ABOVE CAP (TYP.) BEARING − 1"X 9"X 2'-9" —— ELASTOMERIC BRG. PAD (TYPE II)(TYP.) FILL FACE 1'-10" DETAIL ''A'' (END BENT No. 1 SHOWN, END BENT No. 2 SIMILAR BY ROTATION)

Mead &Hunt

133 Fayetteville Street Suite 210 Raleigh, NC 27601 919-714-8670 meadhunt.com NC License No. F-1235



Jack Hobson

6/1/2017 REVISIONS DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED NO. BY: BY: DATE:

B-4964 PROJECT NO. \_\_\_ ROCKINGHAM STATION: 18+73.69 -L-12+70.54 -RAIL-

SHEET 4 OF 4

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

SUBSTRUCTURE END BENT No.1 & 2 DETAILS

SHEET NO S-14 DATE: TOTAL SHEETS

ASSEMBLED BY: J.S. HOBSON DATE:06/09/16 CHECKED BY: J.A. LEE DATE:07/08/16 REV. 8/I4 MAA/TMG DRAWN BY: WJH 12/II CHECKED BY : AAC | 12/11