+

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

1'-0" 9" 1'-0"

**←**#4 S2

2'-0"Ø

3'-6"

SECTION A-A

1'-9"

1'-9"

----#4 D1

—#4 S1

-4-#4 B5 @ 4″ CTS.

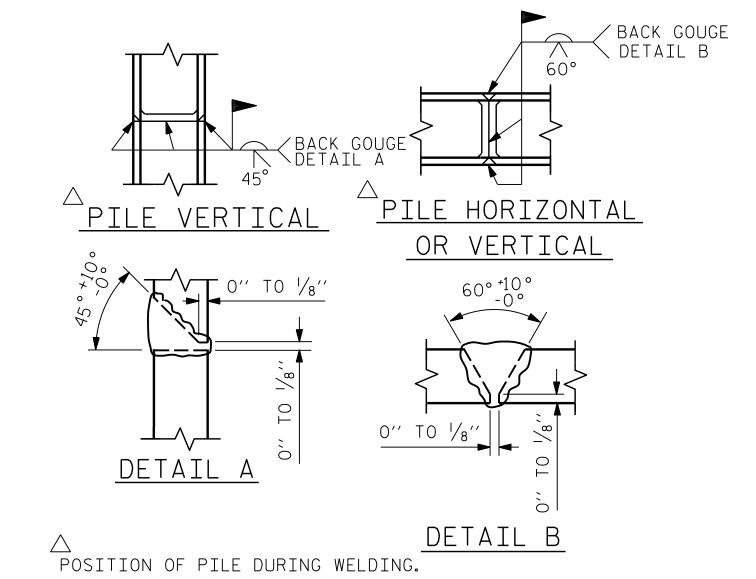
3-#9 B1

AT 5'-0"CTS.

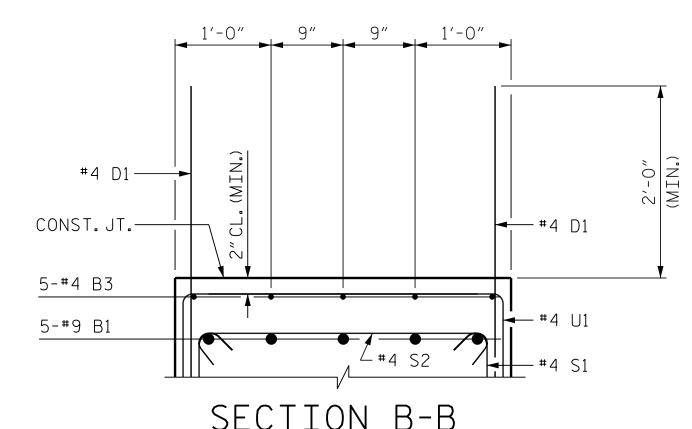
└─3" HIGH BEAM BOLSTER (B.B.)

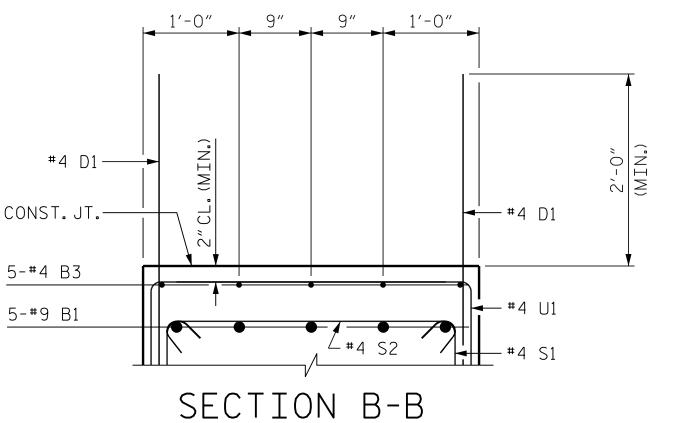
\_#4 S3

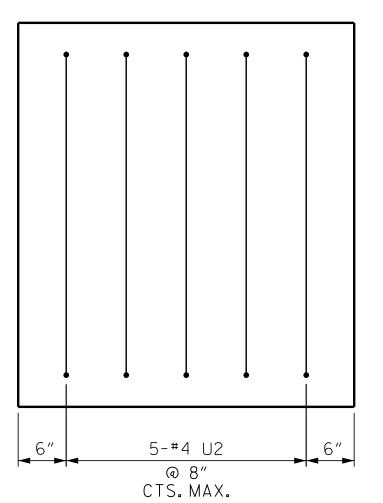
OVER PILES



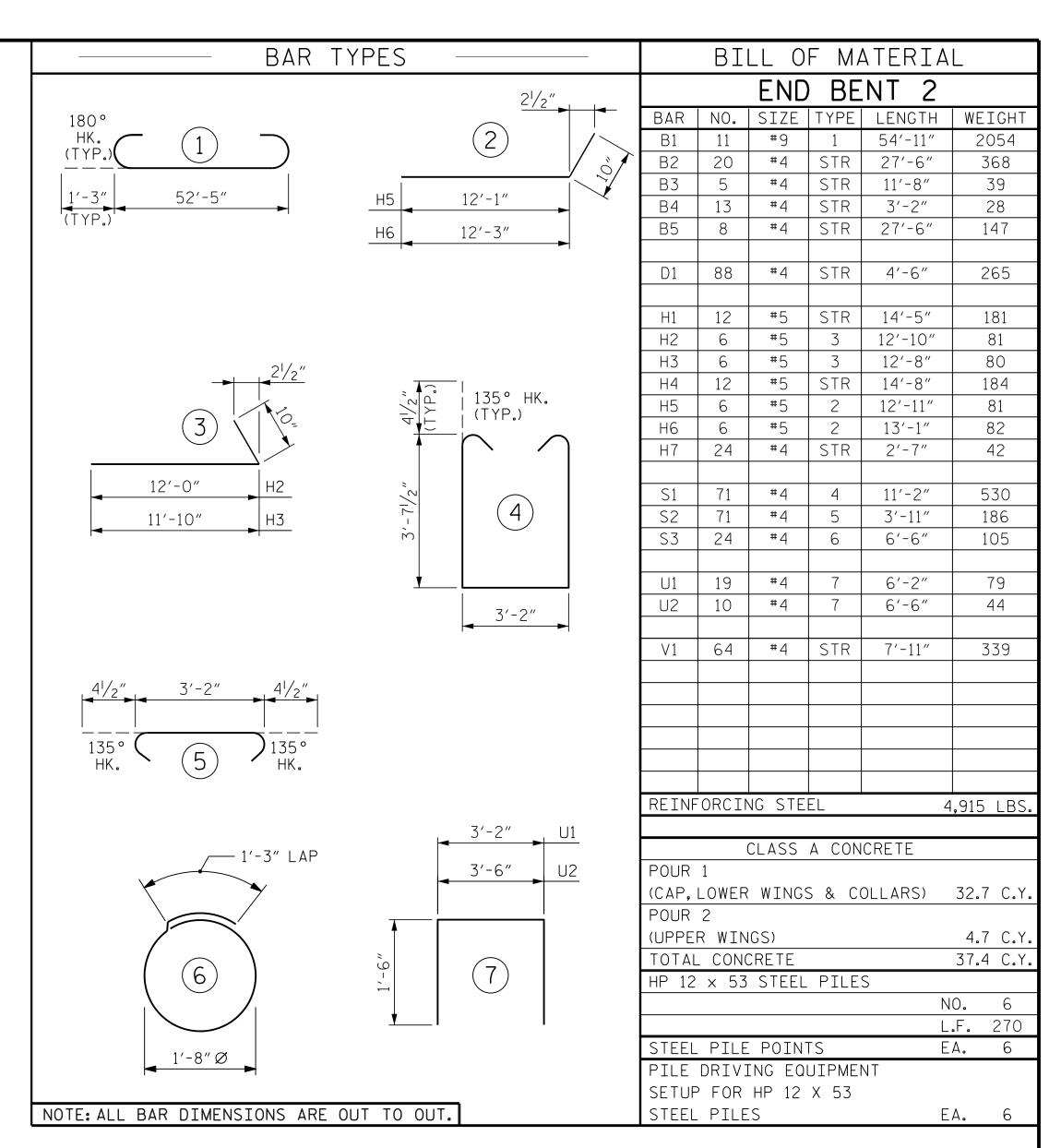
PILE SPLICE DETAILS

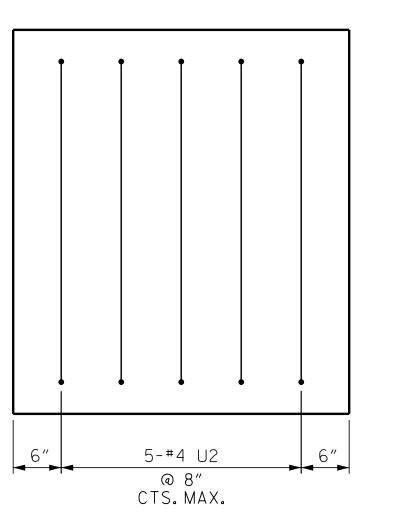






END VIEW





Matt Nupusel 2/20/2018

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETE

B-5352 PROJECT NO. \_\_\_\_ ROCKINGHAM COUNTY STATION: P.O.T. 22+16.89 -L-

SHEET 3 OF 3

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

SUBSTRUCTURE END BENT 2 MISCELLANEOUS DETAILS AND BILL OF MATERIAL

SHEET NO REVISIONS S-34 NO. BY: DATE: DATE: BY: TOTAL SHEETS

\_DATE: FEB 2018 DESIGN ENGINEER OF RECORD: M. T. NEIHEISEL DATE: FEB 2018

#4 D1 ——

CONST. JT.—

2"CL.(TYP.)

#4 B4-

5-#9 B1

1-#4 B2 (EA.FACE)

Ĺ HP 12X53 −

STEEL PILE

3-#9 B1

ICA Engineering, Inc. 555 Fayetteville St., Suite 900 Raleigh, NC 27601 NC License No: F–0258

DRAWN BY : \_\_\_\_\_D. H. CARTER CHECKED BY : M. T. NEIHEISEL