+

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.

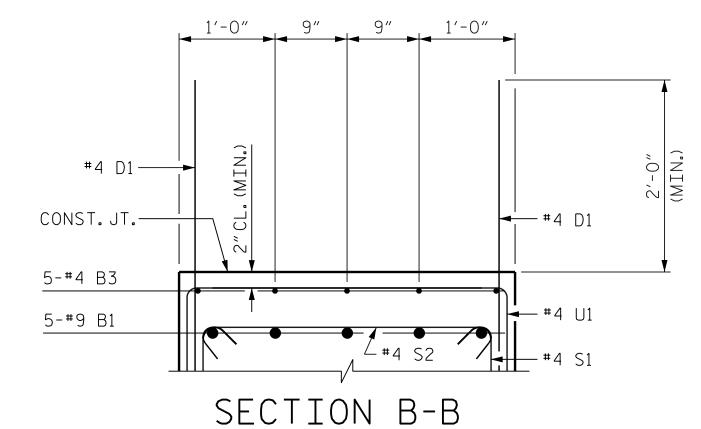
└─3" HIGH BEAM BOLSTER (B.B.)

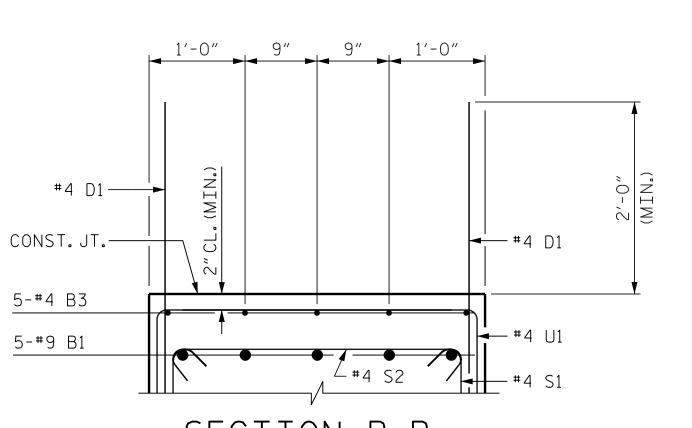
_#4 S3

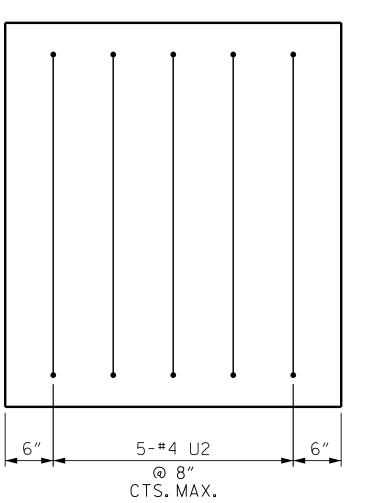
OVER PILES

BACK GOUGE
DETAIL B PILE HORIZONTAL OR VERTICAL _0'' TO 1/8'' 0" TO 1/8" DETAIL A DETAIL B POSITION OF PILE DURING WELDING.

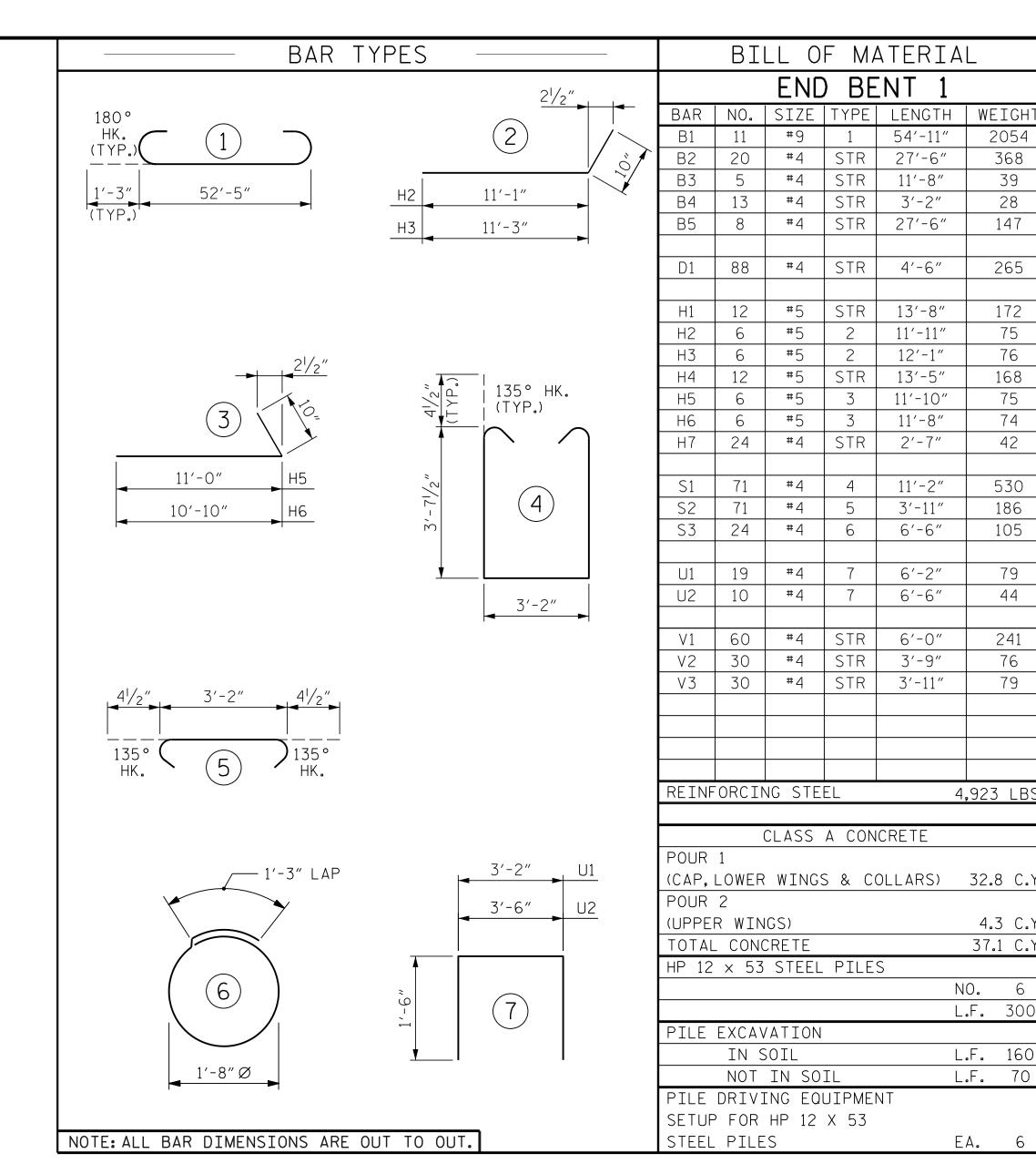
PILE SPLICE DETAILS







END VIEW



B-5352 PROJECT NO. ____ ROCKINGHAM STATION: P.O.T. 22+16.89 -L-SHEET 3 OF 3 STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

SUBSTRUCTURE END BENT 1 MISCELLANEOUS DETAILS AND BILL OF MATERIAL

2054

368

39

28 147

265

172

75

76

168

75

74

42

530 186

105

79

44

241

76

79

4,923 LBS

4.3 C.Y

37.1 C.Y

NO. 6

L.F. 300

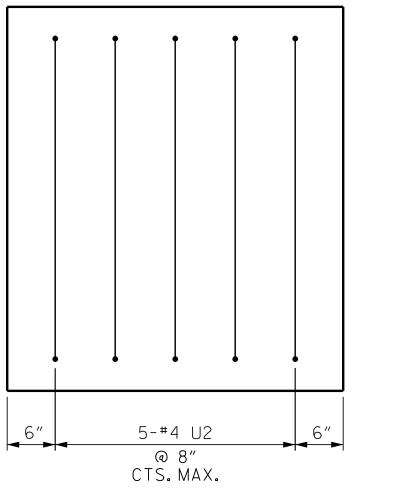
L.F. 160

L.F. 70

EA. 6

COUNTY

SHEET NO REVISIONS S-27 NO. BY: DATE: DATE: BY: TOTAL SHEETS



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

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

DRAWN BY : _____D. H. CARTER CHECKED BY : M. T. NEIHEISEL

_DATE: FEB 2018

Matt Nupusel 2/20/2018

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETE