

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 DETERMINES 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.

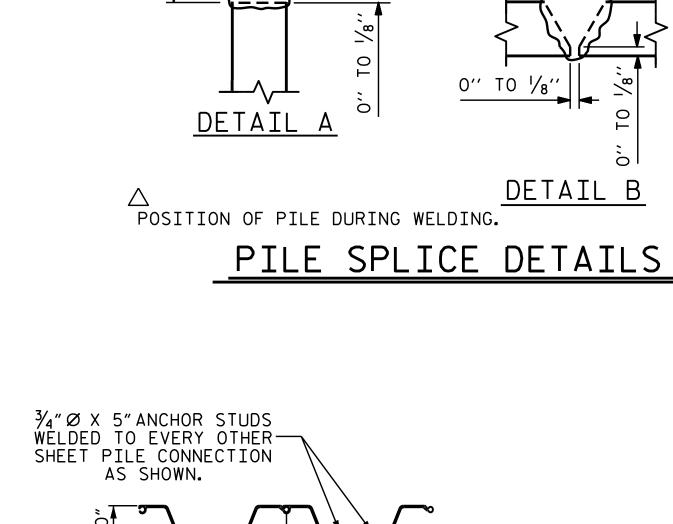
TEMPORARY DRAINAGE AT END BENT

2'-6"

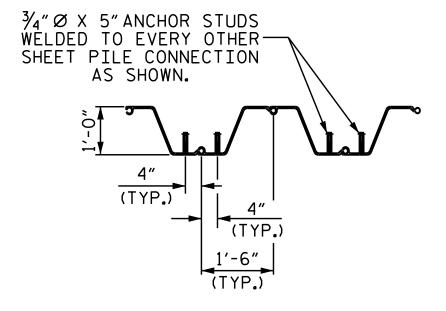
1'-3"

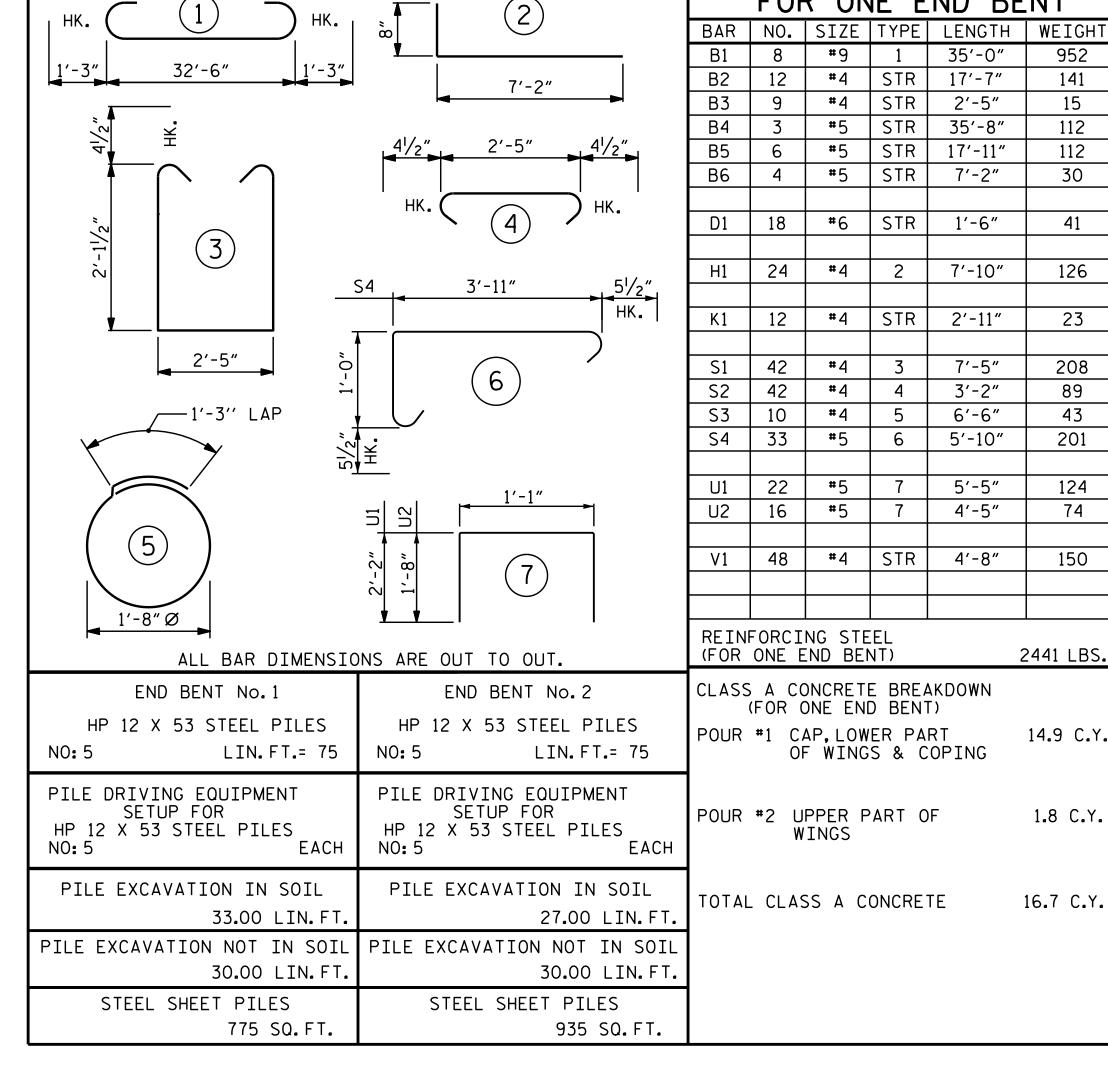
— € CORED

SLAB UNIT



PILE VERTICAL





BAR TYPES

- #6 D1 DOWELS
TO PROJECT
9" ABOVE CAP
(TYP.)

1"X 8"X 2'-6"

ELASTOMERIC BRG.
PAD (TYPE I) (TYP.)

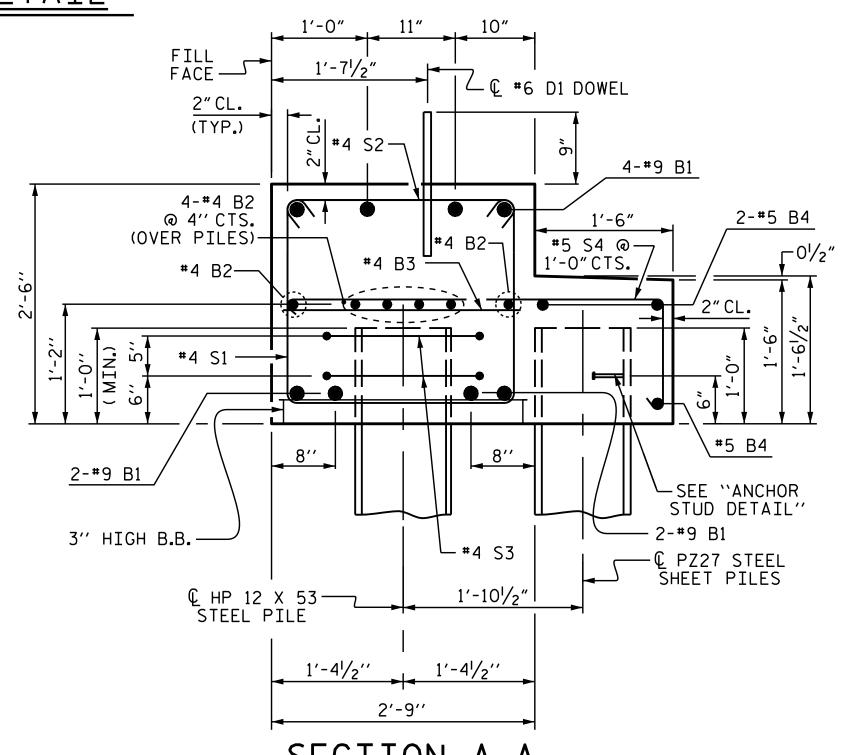
9 1/2" 9 1/2"

FILL FACE

DETAIL ''A''

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

ANCHOR STUD DETAIL

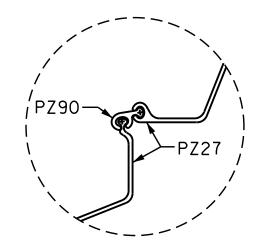


PILE HORIZONTAL

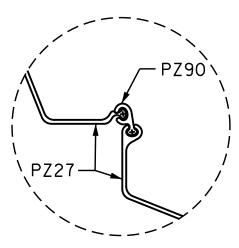
OR VERTICAL

SECTION A-A

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



DETAIL "B"



BILL OF MATERIAL

FOR ONE END BENT

DETAIL "C"

PROJECT NO. B-5391

ALEXANDER COUNTY

STATION: 14+56.30 -L-

SHEET 4 OF 4



STATE OF NORTH CAROLINA

DEPARTMENT OF TRANSPORTATION

RALEIGH

SUBSTRUCTURE

END BENT No.1 & 2 DETAILS

TOTAL SIGNATURES COMPLETED

REVISIONS

REVISIONS

SHEET NO S-11

SIGNATURES COMPLETED

REVISIONS

REVISIONS

SHEET NO S-11

SHEET NO S-11

TOTAL SHEETS
12

DRAWN BY :	H. T. BARBOUR		DATE :	5-19-17
CHECKED BY :	M. G. CHEEK		DATE :	8-17
DESIGN ENGINEER	OF RECORD: _	H. A. LOCKLEAR	DATE :	10-17

€ BEARING —