

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

CONST. JT.—

5-#4 B6 —

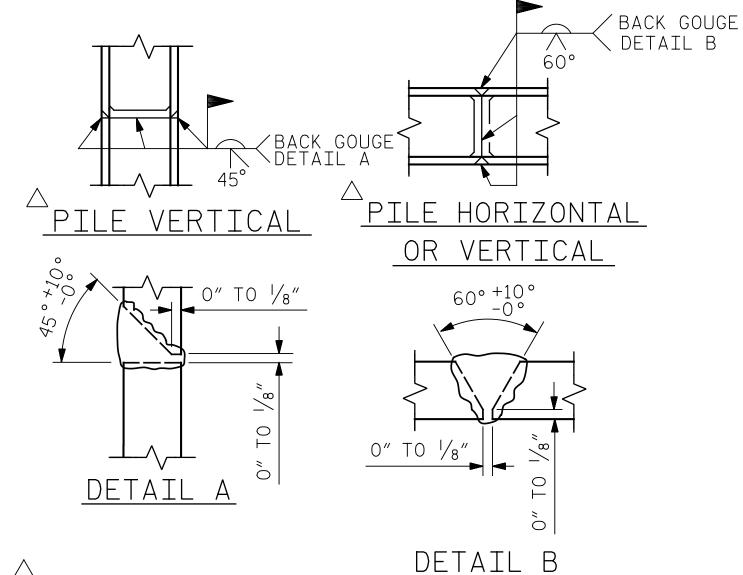
5-#9 B1 ——

2" CL. (TYP.)

FILL FACE —

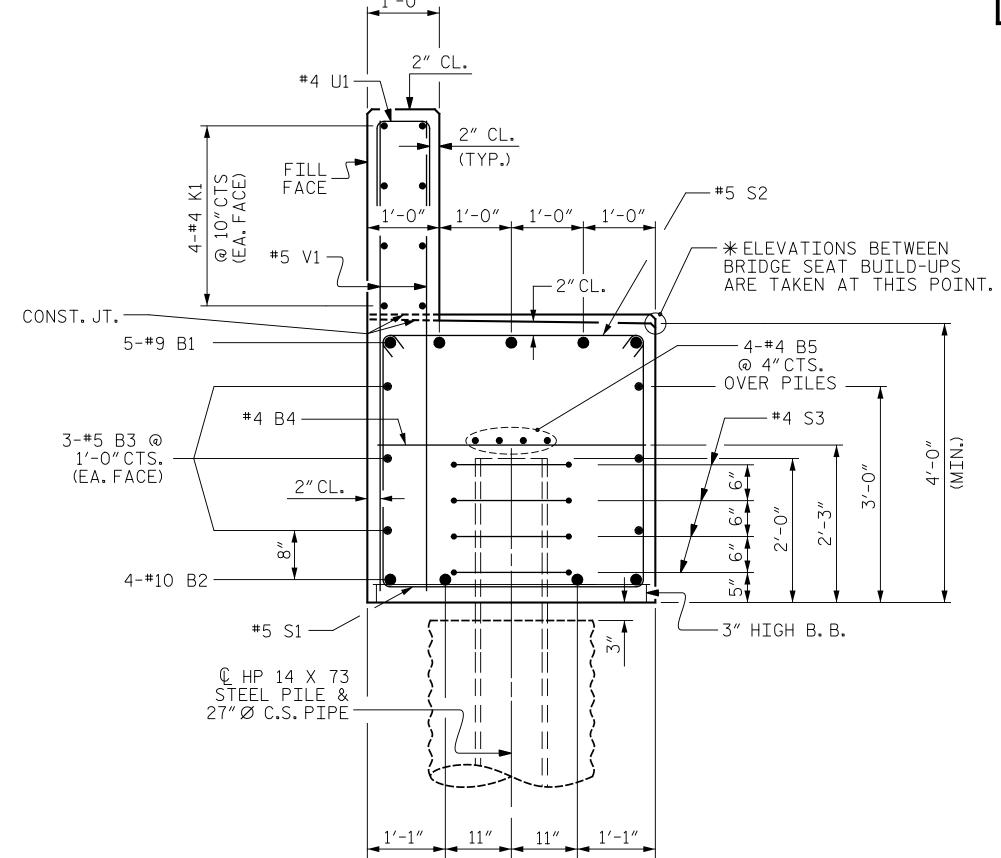
1'-0", 1'-0", 1'-0", 1'-0"

#5 S2—



POSITION OF PILE DURING WELDING.

PILE SPLICE DETAILS



2'-0"

4'-0"

SECTION A-A

2'-0"

29'-9" В4 В5 9'-5" В6 H2 Н3 6'-0" 5'-5" Κ1 Κ2 K3 Κ4 S3 3′-8″ U1 U2 ٧2 V3 (6)2'-0" ALL BAR DIMENSIONS ARE OUT TO OUT. No. = 6

BAR TYPES

10'-3" 26 278 #5 100 14 6′-10″ 14 #5 3 | 6'-3" 93 STR | 24'-8" 264 STR 4′-8″ STR 1'-8" STR | 2'-5" 3 5 59 11'-10" 728 59 4'-7" 282 24 7′-7″ 122 3′-8″ 41 101 17 #4 6′-8″ 76 STR 6′-7″ 563 82 30 #4 STR 8'-3" 166 19 STR | 8'-11" 114 REINFORCING STEEL 5,646 LBS CLASS A CONCRETE POUR #1 (CAP & LOWER WINGS) 32.4 C.Y POUR #2 (UPPER WINGS & BACKWALL) 8.0 C.Y TOTAL 40.4 C.Y HP 14 X 73 STEEL PILES 492 LIN. F

BILL OF MATERIAL

END BENT #1

TYPE | LENGTH | WEIGHT

1069

1073

342

30

145

22

50

31'-5"

31'-2"

3′-8″

STR | 27'-4"

STR | 27'-0"

STR | 2'-2"

STR | 15'-0"

STR

SIZE

#10

#5

No.

8

15

PILE DRIVING EQUIPMENT SETUP 6 EACH FOR HP 14 X 73 STEEL PILES PILE REDRIVES 6 EACH

41665.7A PROJECT NO. ___ CUMBERLAND _ COUNTY STATION: 21+57.23 -L-109+69.94 -L2-

SHEET 3 OF 3

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

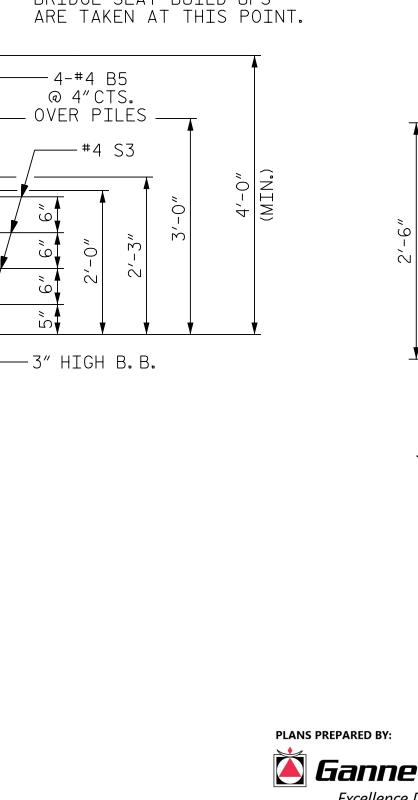
SUBSTRUCTURE

END BENT #1

SHEET NO REVISIONS S01-18 NO. BY: DATE: DATE: TOTAL SHEETS

PARTIAL SECTION B-B (TYP.@BRG.2 & 3) 1'-0", 1'-0", 1'-0", 1'-0" CONST. JT.— 5-#4 B6 — 5-#4 B7 — 5-#9 B1 — #5 S2-FILL FACE — -#5 S1 2"CL. (TYP.) PARTIAL SECTION C-C (TYP. @ BRG. 4)

_ DATE : <u>09/26/17</u> _ DATE : <u>10/03/17</u>



2610 Wycliff Road Gannett Fleming (919) 420-7660 Excellence Delivered As Promised NC Lic. No. F-0270

FILL FACE

2.42 K/FT. (FACTORED)

TIE BACK DETAILS

(DETAIL SHOWING TIE BACK RESTRAINT FOR END BENT)

OCUMENT NOT CONSIDERE FINAL UNLESS ALL SIGNATURES COMPLETED

² SEAL ⁸ 037180

Decken to Victors
08901A86EBF6470...
11/7/2017

DRAWN BY : J.A. BOYER CHECKED BY : T.M. FORD DESIGN ENGINEER OF RECORD : R.F. WERTMAN DATE : 11/06/17

STR.NO.1