

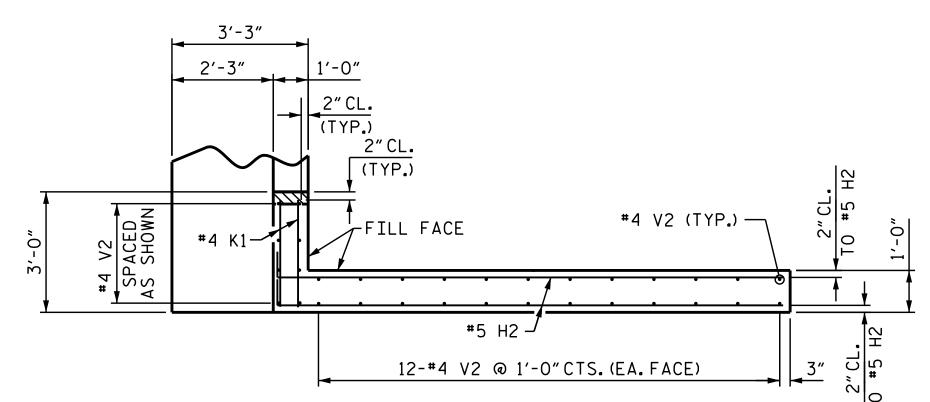
BAGGED STONE AND PIPE SHALL BE PLACED IMMEDIATELY AFTER COMPLETION OF END BENT EXCAVATION. PIPE MAY BE EITHER CONCRETE, CORRUGATED STEEL, CORRUGATED ALUMINUM ALLOY, OR CORRUGATED PLASTIC. PERFORATED PIPE WILL NOT BE ALLOWED.

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.

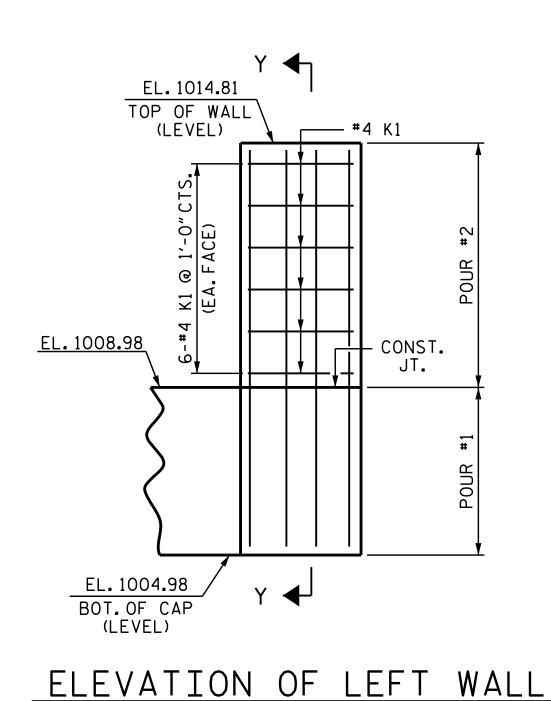
NO SEPARATE PAYMENT WILL BE MADE FOR THIS WORK AND THE ENTIRE COST OF THIS WORK SHALL BE INCLUDED IN THE UNIT CONTRACT PRICE BID FOR THE SEVERAL PAY ITEMS.

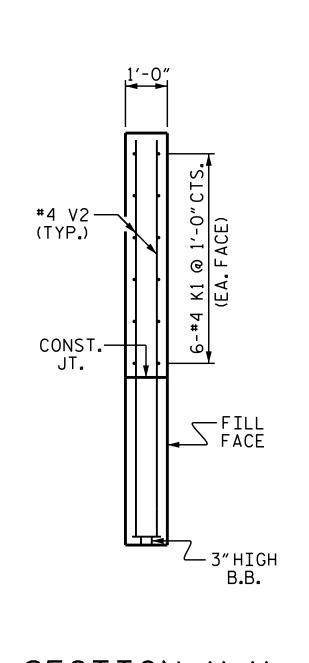
BILL OF MATERIAL BAR TYPES END BENT 2 NO. | SIZE | TYPE | LENGTH | WEIGH BAR | 2'-11" 51'-3" B2 #4 STR 25'-8" 480 13 #4 STR 2'-11" В3 25 1'-3" 48'-9" #4 STR 2'-1" В4 40 | #5 | 2 | 12'-10" 535 K1 | 24 | #4 | STR | 2'-8" 43 48 | #4 | 350 10'-11" 12'-0" S2 48 | #4 | 3 3′-8″ 118 S3 28 #4 6′-6″ 122 1'-3" LAP — U1 2 **#**4 | 5 5′-11″ 78 #4 STR 6'-3" V1 326 2'-11" ٧2 40 | #4 | STR | 9'-6" 254 (6) REINFORCING STEEL LBS. 3,661 CLASS A CONCRETE POUR #1 - CAP, LOWER WINGS, & CONC. COLLARS C.Y. 27.3 POUR #2 - UPPER PART OF 1'-8" Ø WINGS C.Y. 3.6 C.Y. 30.9 TOTAL 2'-11" HP 12X53 STEEL PILES NO. 7 LIN.FT. 200 ALL BAR DIMENSIONS ARE OUT TO OUT.

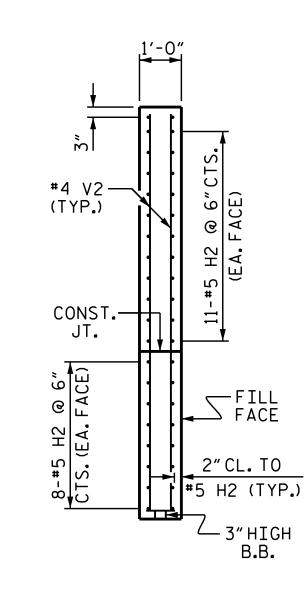
TEMPORARY DRAINAGE AT END BENT



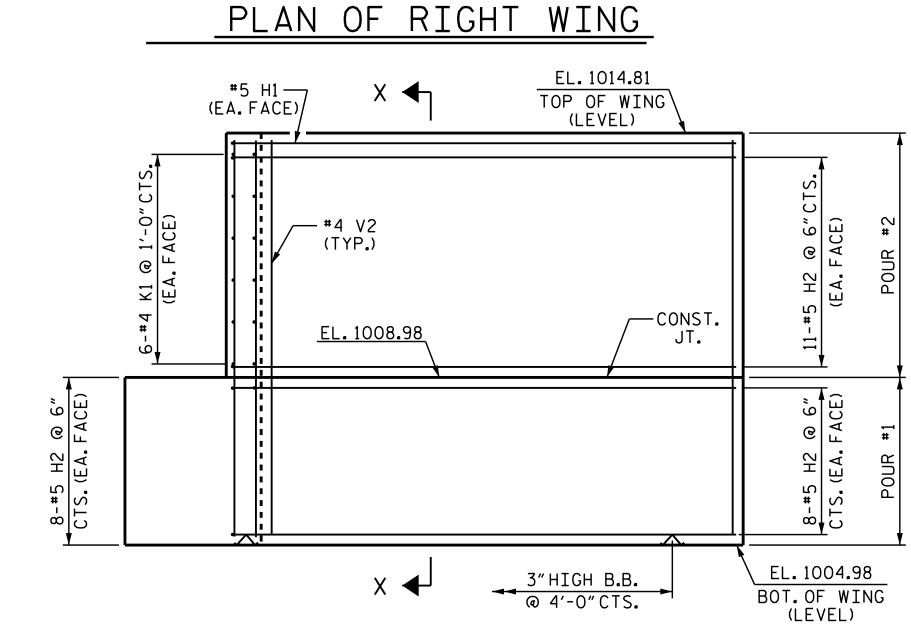
PLAN OF LEFT WALL







SECTION X-X



OF ESSION. SEAL 7 28950 ACINE ! ELEVATION OF RIGHT WING Hyeri Zim —07A78571E44145F..

| | 1'-2" 11" 1'-2" | |
|--|-------------------------|---|
| 2'-0" (MIN.) | #4 S2 TAP.) | -#4 V1 (TYP.) -4-#4 B2 @ 4"CTS. OVER PILES |
| 4-#9 B1 | | 2" CL. (TYP.) |
| #4 B2 (EA.FACE) 4-#9 B1 | - #4 B3 | 6" 6" 6" 6" 15 + 1 |
| 3"HIGH B.B. © HP 12X53— STEEL PILES | 1'-7\/2" 1'-7\/2" 3'-3" | #4 S3 —1'-6" X 2'-0" Ø CONC. COLLAR |
| <u> </u> | SECTION A-A | <u> </u> |

B-4766 PROJECT NO._ **IREDELL** COUNTY

16+28.00 -L-STATION:_

4/27/2016

SHEET 2 OF 2

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
RALEIGH SUBSTRUCTURE

> INTEGRAL END BENT 2

REVISIONS SHEET NO NO. BY: S-23 DATE: DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED TOTAL SHEETS

SECTION Y-Y

DATE : 10/14/15
DATE : 11/16/15
DATE : 1/26/16 J.K.BOWLES DRAWN BY : N. D'AIUTO DESIGN ENGINEER OF RECORD: H.P.KIM

27-APR-2016 12:39 R:\Structures\Plans\B-4766_SD_E*_01.dgn