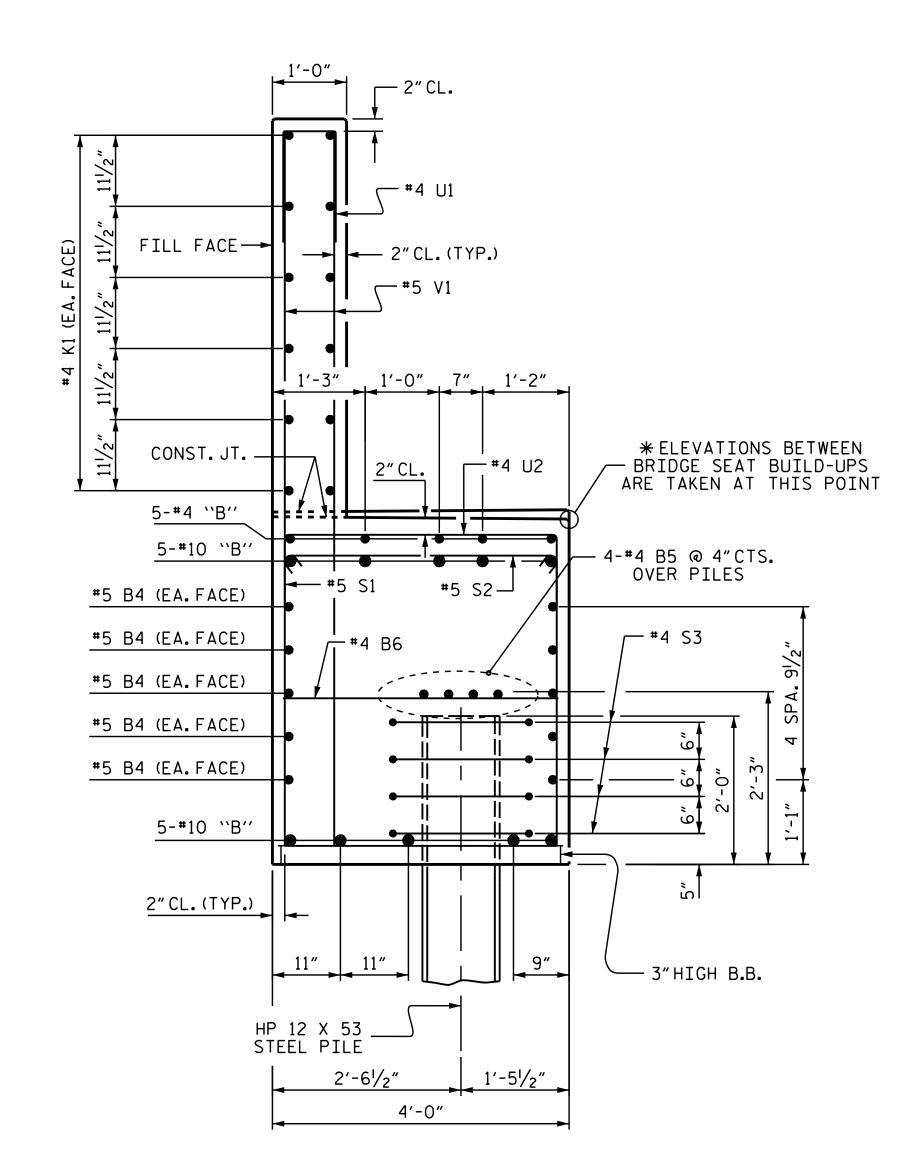


BAGGED STONE AND PIPE SHALL BE PLACED IMMEDIATELY AFTER COMPLETION OF END BENT EXCAVATION. PIPE MAY BE EITHER CONCRETE, CORRUGATED STEEL, CORRUGATED ALUMINUM ALLOY, OR CORRUGATED PLASTIC. PERFORATED PIPE WILL NOT BE ALLOWED.

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.

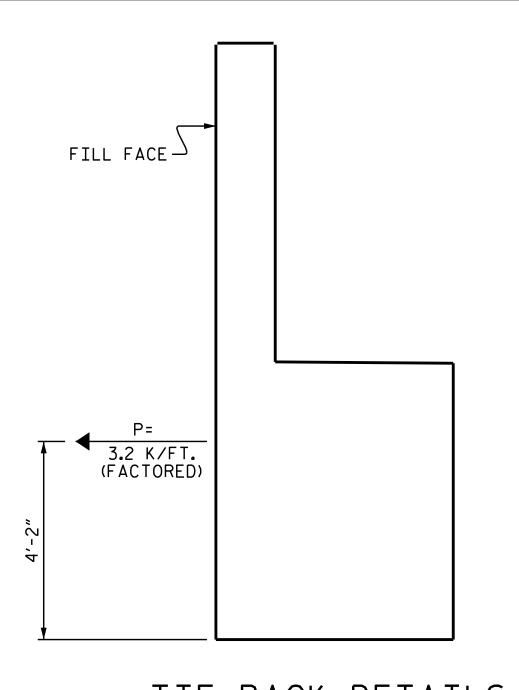
NO SEPARATE PAYMENT WILL BE MADE FOR THIS WORK AND THE ENTIRE COST OF THIS WORK SHALL BE INCLUDED IN THE UNIT CONTRACT PRICE BID FOR THE SEVERAL PAY ITEMS.

TEMPORARY DRAINAGE AT END BENT

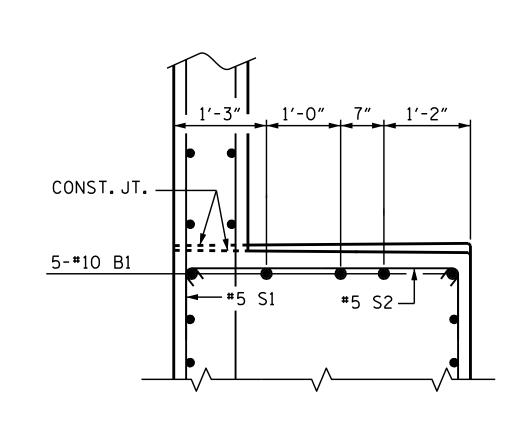


SECTION A-A

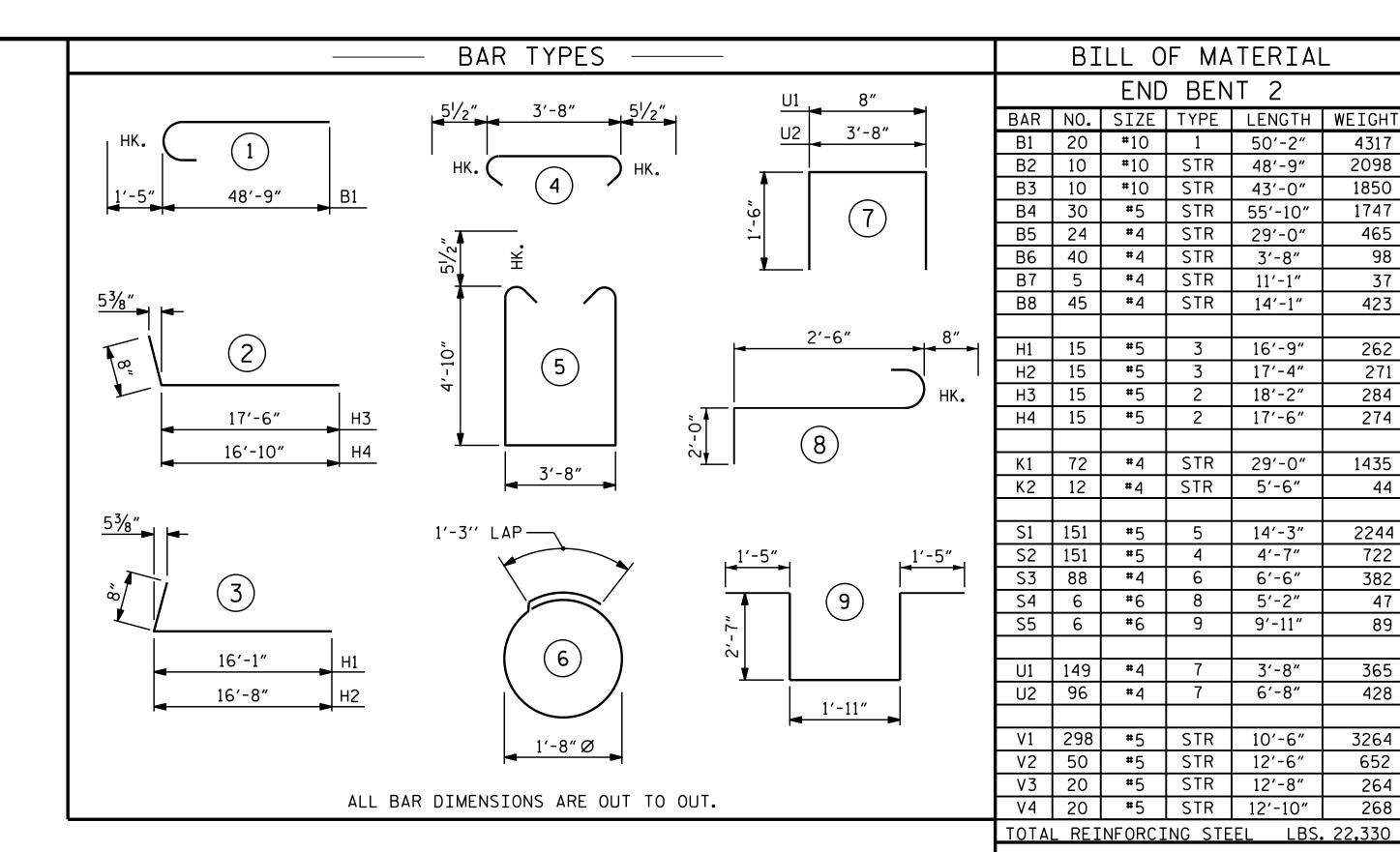
A. SORSENGINH _ DATE : <u>3/2015</u> DRAWN BY : DATE : 8/2015 J.P. ADAMS CHECKED BY : DESIGN ENGINEER OF RECORD: ___A.SORSENGINH DATE: __9/2015

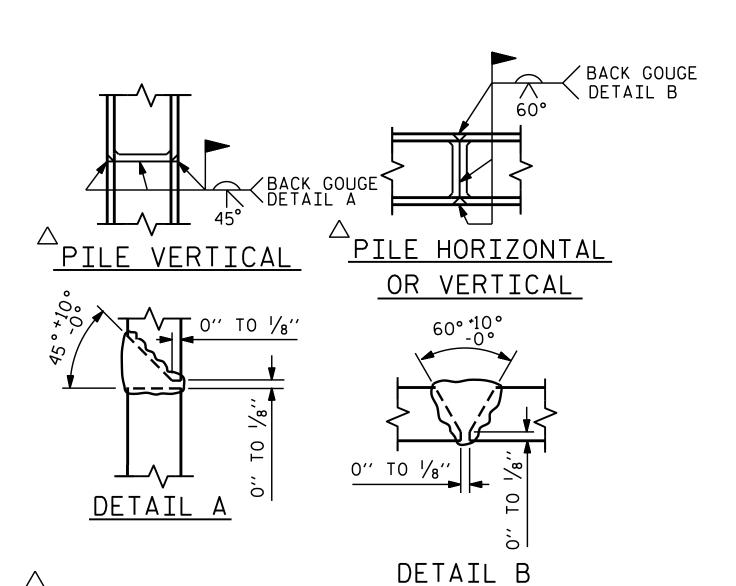


TIE BACK DETAILS (DETAIL SHOWING TIE BACK RESTRAINT FOR END BENT)

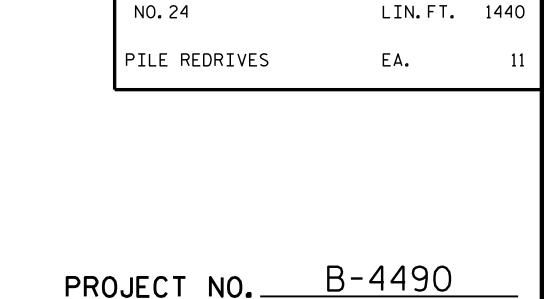


PARTIAL SECTION B





POSITION OF PILE DURING WELDING. PILE SPLICE DETAILS



STATION: 29+57.01 -L-

CUMBERLAND

END BENT 2

#5 | STR | 55'-10"

#4 | STR | 29'-0"

50'-2"

48′-9″

43'-0"

3′-8"

11'-1"

16′-9″

18'-2"

5′-6″

14'-3"

4'-7"

6'-6"

5′-2″

9′-11″

3′-8″

6′-8″

10′-6″

12'-6"

12'-8"

12'-10"

4317

2098

1850

1747

465

98

423

262

271

284

274

1435

2244

722

382

47

89

365

428

3264

652

264

268

C.Y. 67.7

C.Y. 21.0

C.Y. 71.0

C.Y. 22.5

_ COUNTY

44

#10

#5

#5

#5

#5

#10 | STR

#10 | STR

#4 | STR

#4 | STR

#5 | 5

#6 | 9

#5 | STR |

#5 | STR

PART OF WING)

PART OF WING)

PART OF WING)

PART OF WING)

CLASS A CONCRETE TOTAL C.Y. 182.2

4

#5 |

#4

#6

#4

#4

CLASS A CONCRETE BREAKDOWN

POUR #2 (BACKWALL & UPPER

POUR #2 (BACKWALL & UPPER

POUR #1 (CAP & LOWER

POUR #1 (CAP & LOWER

HP 12 X 53 STEEL PILES

LEFT SIDE

RIGHT SIDE

SHEET 4 OF 4

SEAL 29441

the Z. W. ayou

3/29/2016

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

> SUBSTRUCTURE END BENT 2

REVISIONS SHEET NO S-39 DATE: DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED TOTAL SHEETS

29-MAR-2016 09:19
R:\Structures\Plans\STR 1\SUBSTRUCTURE\B4490_SD_EB_1.dgn

STR. #1