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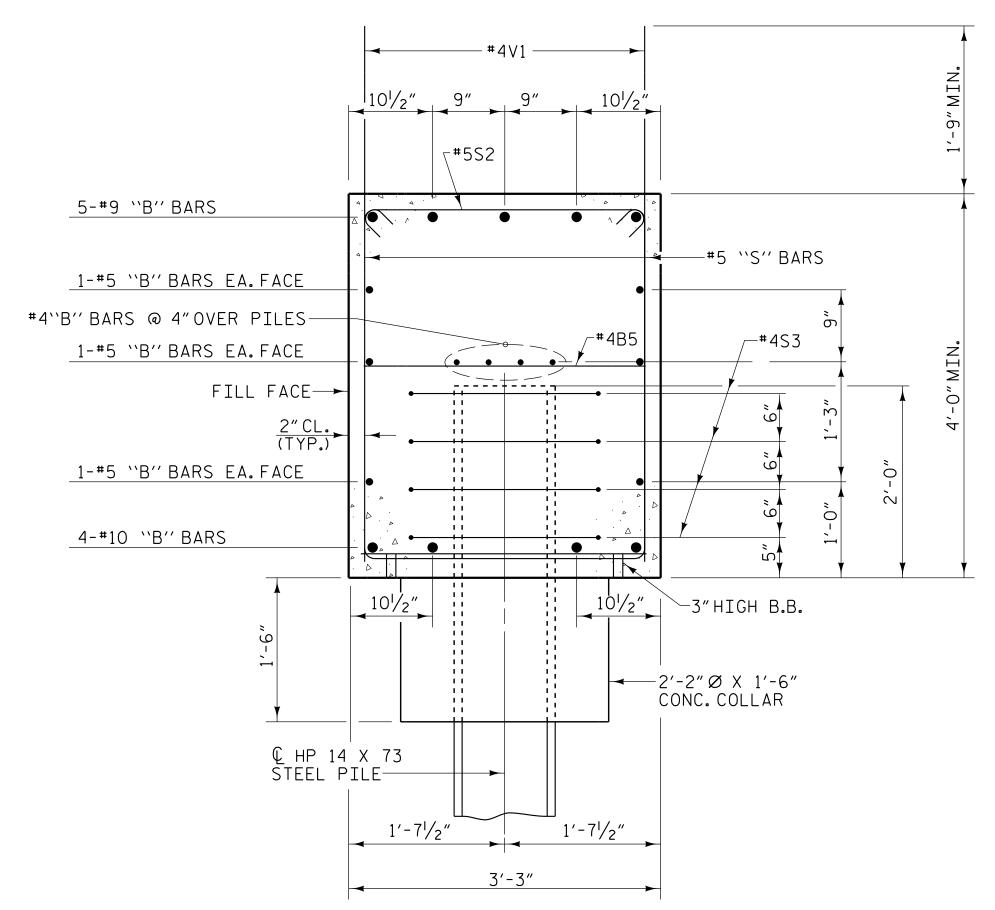
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BAGGED STONE AND PIPE SHALL BE PLACED IMMEDIATELY AFTER COMPLETION OF END BENT EXCAVATION. PIPE MAY BE EITHER CONCRETE, CORRUGATED STEEL, CORRUGATED ALUMINUM ALLOY, OR CORRUGATED PLASTIC. PERFORATED PIPE WILL NOT BE ALLOWED.

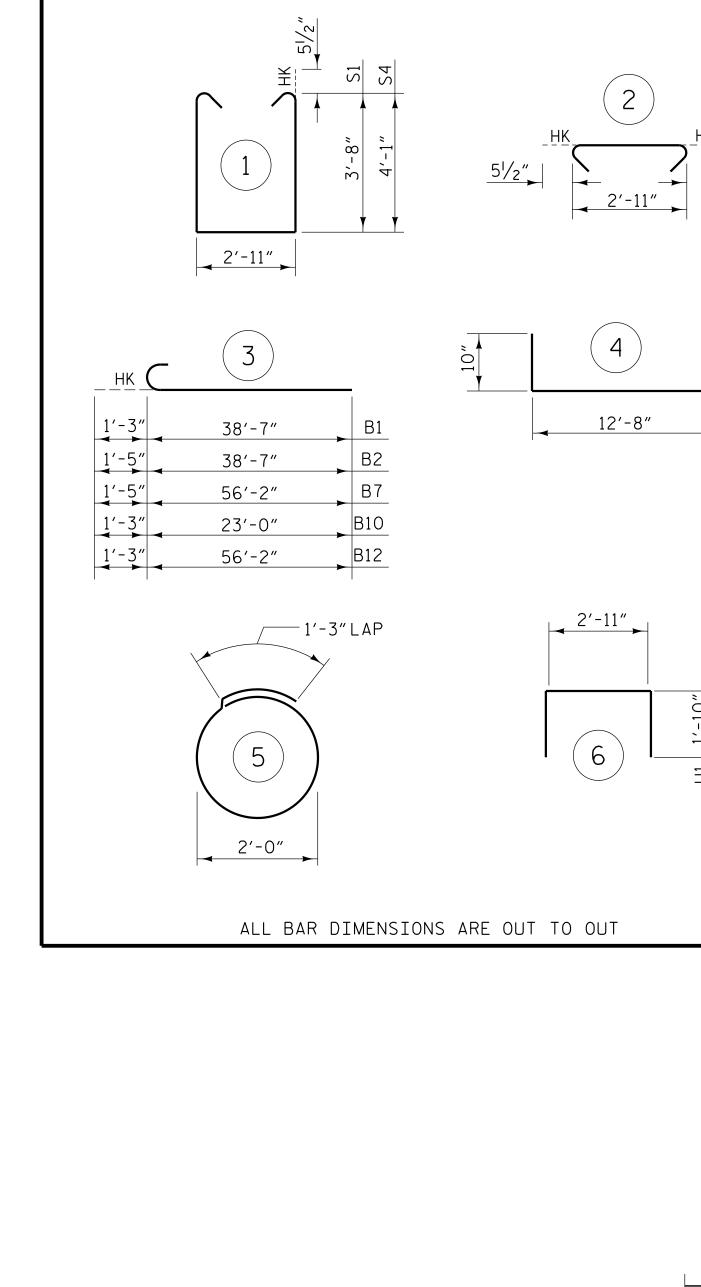
BAGGED STONE SHALL REMAIN IN PLACE UNTIL THE ENGINEER DIRECTS THAT IT BE REMOVED. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF SILT ACCUMULATIONS AT BAGGED STONE WHEN SO DIRECTED BY THE ENGINEER. BAGS SHALL BE REMOVED AND REPLACED WHENEVER THE ENGINEER DETER-MINES THAT THEY HAVE DETERIORATED AND LOST THEIR 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.

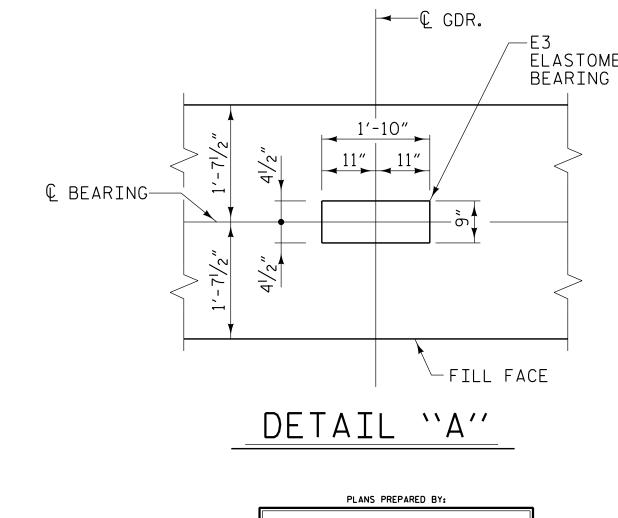
TEMPORARY DRAINAGE AT END BENT







BAR TYPES



NV5 ENGINEERS & CONSULTANTS, INC. 3300 REGENCY PARKWAY, SUITE 100 CARY, NC 27518

ocuSigned by: EB2398D9220470L

5/19/2023

U-5839 PROJECT NO._ HAYWOOD COUNTY

STATION: 31+45.00 -L- POT

SHEET 4 OF 4

BILL OF MATERIAL—

WEIGHT

688

254

42

563

136

228

100

84

62

3546 lbs.

3.3 cu. yds.

25.2 cu. yds.

63

END BENT 1-STAGE II

2'-11"

57′-7"

57′-0″

29'-11"

24'-3"

9'-6"

57'-5"

13′-6″

3′-11″

11'-2"

3′-10″

7′-7″

12'-0"

6′-7″

6′-4″

6′-3″

5′-3″

9'-3"

STR

STR

STR

STR

STR

STR

STR

STR

STR

WEIGHT

27

991

357

160

412

976

563

373

212

122

263

31

338

100

84

62

5166 lbs

33.3 cu. yds.

3.3 cu. yds.

36.6 cu. yds

200

63

32

BAR NO. SIZE TYPE LENGTH

#4

#10

#5

#4

#4

#9

#5

#4

#5

#5

#4

#5

#4

TOTAL REINFORCING STEEL

HP 14 X 73 STEEL PILES

5 | HP 14 X 73 STEEL PILES - EACH

CLASS "A" CONCRETE - CU. YARDS

5 PILES REQUIRED - LIN.FEET

PILE DRIVING EQUIPMENT SETUP FOR

14

B7 | 4 |

B11 5

B12 5

H1 | 40 |

H2 24

S1 | 32 |

S2 53

S3 | 24 |

S4 | 21 |

U1 | 7 |

V1 | 80 |

V2 | 24 |

V3 | 24 |

POUR 1

POUR 2

21.9 cu. yds. (CAP, COLLARS, LOWER WINGS)

(UPPER WINGS)

V4 | 10 | #4

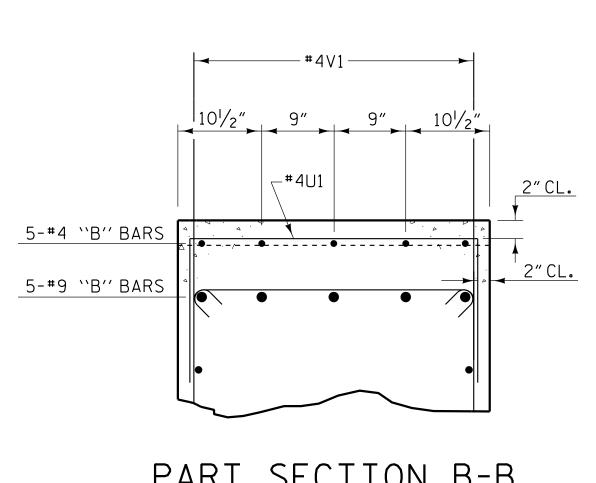
B10

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

SUBSTRUCTURE

INTEGRAL END BENT 1 DETAILS

REVISIONS					SHEET NO.
. BY:	DATE:	NO.	BY:	DATE:	S2-32
		3			TOTAL SHEETS
		4			49



DRAWN BY: W.B. ALLEN
CHECKED BY: Z. H. BROWN
DESIGN ENGINEER OF RECORD: R.C. LARSON
DATE: 10/19
DATE: 11/19
DATE: 2/23

PART SECTION B-B

TOTAL REINFORCING STEEL CLASS "A" CONCRETE - CU. YARDS POUR 1 POUR 2 (UPPER WINGS) TOTAL

(CAP, COLLARS, LOWER WINGS)

HP 14 X 73 STEEL PILES 5 PILES REQUIRED - LIN. FEET

HP 14 X 73 STEEL PILES - EACH

PILE DRIVING EQUIPMENT SETUP FOR

END BENT 1-STAGE I

STR

STR

STR

STR

STR

STR

STR

STR

STR

LENGTH

39′-10″

40'-0"

40'-7"

21'-3"

2'-11"

12'-7"

13′-6″

3′-11″

11'-2"

3′-10″

7'-7"

6'-7"

6′-4″

6′-3″

5′-3″

9'-3"

NO. SIZE TYPE

#9

#10

#5

#4

#4

#4

#5

#4

4

5 |

40

24

9

24

34 #5

34 #5

16 #4

54 #4

24 #4

10 #4

#4

В3

S2

S3

U1

V1

٧2

٧3

ELASTOMERIC BEARING PAD

www.NV5.com P. 919.851.1912

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED