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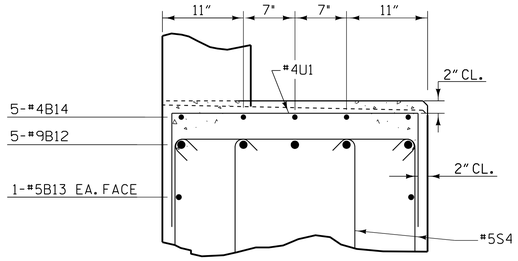
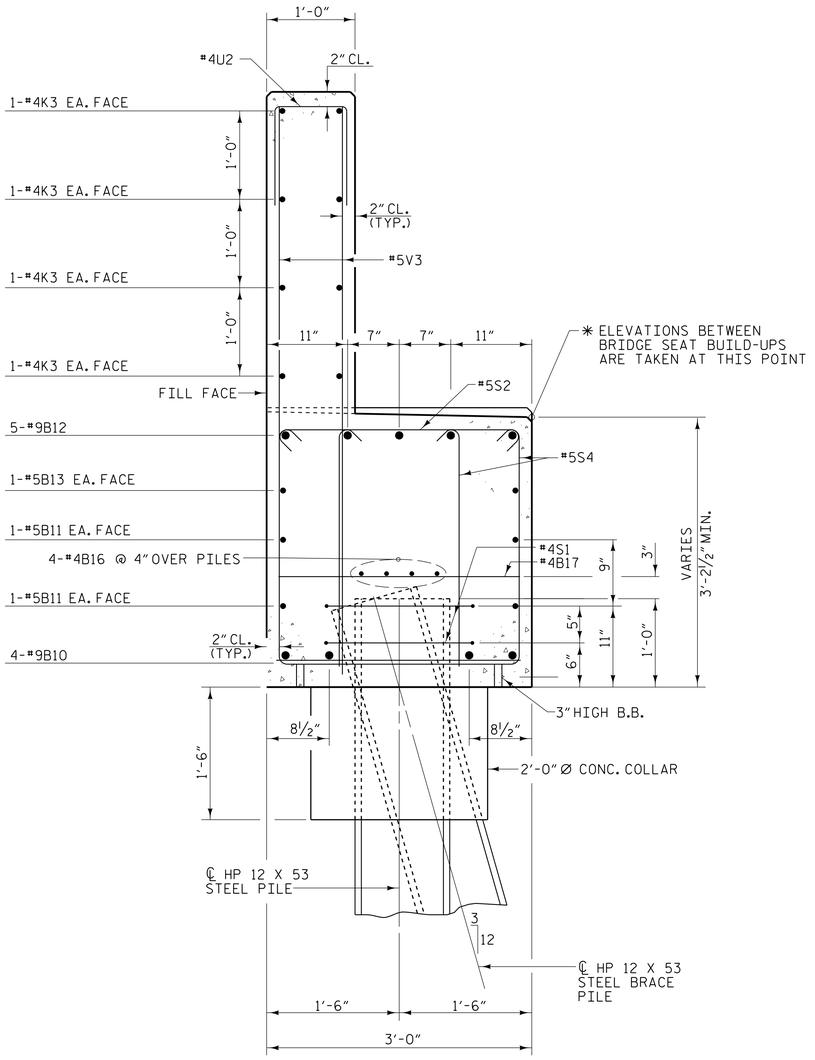
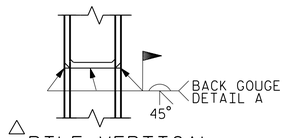


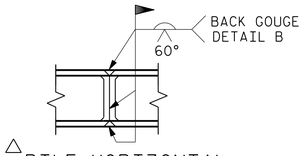

## PART SECTION B2-B2



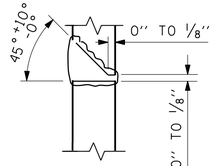

## SECTION A2-A2



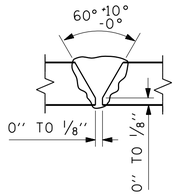

△ PILE VERTICAL




△ PILE HORIZONTAL OR VERTICAL




DETAIL A

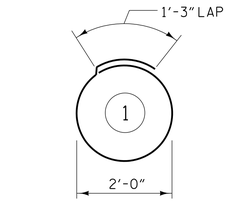


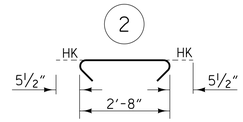

DETAIL B

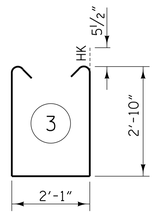
△ POSITION OF PILE DURING WELDING.

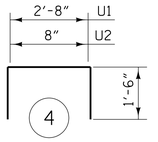
## PILE SPLICE DETAILS

## BAR TYPES




ALL BAR DIMENSIONS ARE OUT TO OUT

## BILL OF MATERIAL

### END BENT 1 - STAGE II

| BAR | NO. | SIZE | TYPE | LENGTH | WEIGHT |
|---|---|---|---|---|---|
| B10 | 4 | #9 | STR | 40'-11" | 556 |
| B11 | 4 | #5 | STR | 39'-10" | 166 |
| B12 | 5 | #9 | STR | 42'-2" | 717 |
| B13 | 2 | #5 | STR | 39'-10" | 83 |
| B14 | 5 | #4 | STR | 13'-7" | 45 |
| B15 | 5 | #4 | STR | 10'-4" | 35 |
| B16 | 8 | #4 | STR | 20'-10" | 111 |
| B17 | 9 | #4 | STR | 2'-8" | 16 |
| | | | | | |
| K3 | 8 | #4 | STR | 39'-3" | 210 |
| | | | | | |
| S1 | 8 | #4 | 1 | 6'-6" | 35 |
| S2 | 45 | #5 | 2 | 3'-7" | 168 |
| S4 | 90 | #5 | 3 | 8'-8" | 814 |
| | | | | | |
| U1 | 25 | #4 | 4 | 5'-8" | 95 |
| U2 | 37 | #4 | 4 | 3'-8" | 91 |
| | | | | | |
| V3 | 74 | #5 | STR | 6'-6" | 502 |

| | |
|---|---|
| TOTAL REINFORCING STEEL | 3644 lbs. |

| | |
|---|---|
| CLASS "A" CONCRETE - CU. YARDS | |
| POUR 1 | |
| (CAP, COLLARS) | 14.7 CU. YDS. |
| POUR 2 | |
| (BACKWALL) | 5.2 CU. YDS. |
| TOTAL | 19.9 CU. YDS. |

PROJECT NO. I-5987B

ROBESON COUNTY

STATION: 586+14.00 -L- POT

SHEET 5 OF 6

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

SUBSTRUCTURE

# END BENT 1 DETAILS

STAGE II

| REVISIONS | | | | | | SHEET NO. |
|---|---|---|---|---|---|---|
| NO. | BY: | DATE: | NO. | BY: | DATE: | S5-39 |
| 1 | | | 3 | | | TOTAL SHEETS |
| 2 | | | 4 | | | 64 |

PLANS PREPARED BY:

NV5 ENGINEERS & CONSULTANTS, INC.
3300 REGENCY PARKWAY, SUITE 100
CARY, NC 27518
P: 919.851.1912 www.NV5.com
NC License # F-1333

**DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED**

NORTH CAROLINA PROFESSIONAL ENGINEER L. KEVIN AUSTIN
Docusigned by: L. Kevin Austin
039CD...
4/24/2022

| | | | |
|---|---|---|---|
| DRAWN BY : | W. B. ALLEN | DATE : | 12/21 |
| CHECKED BY : | G. F. WILSON | DATE : | 2/22 |
| DESIGN ENGINEER OF RECORD: | L. K. AUSTIN | DATE : | 2/22 |

4/22/2022 6:05:15 PM G:\Project\2019\20192f.03\CLIENT\Structures\I-5987B (Big Marsh Swamp)\5987B_SMU_E5_770536.dgn