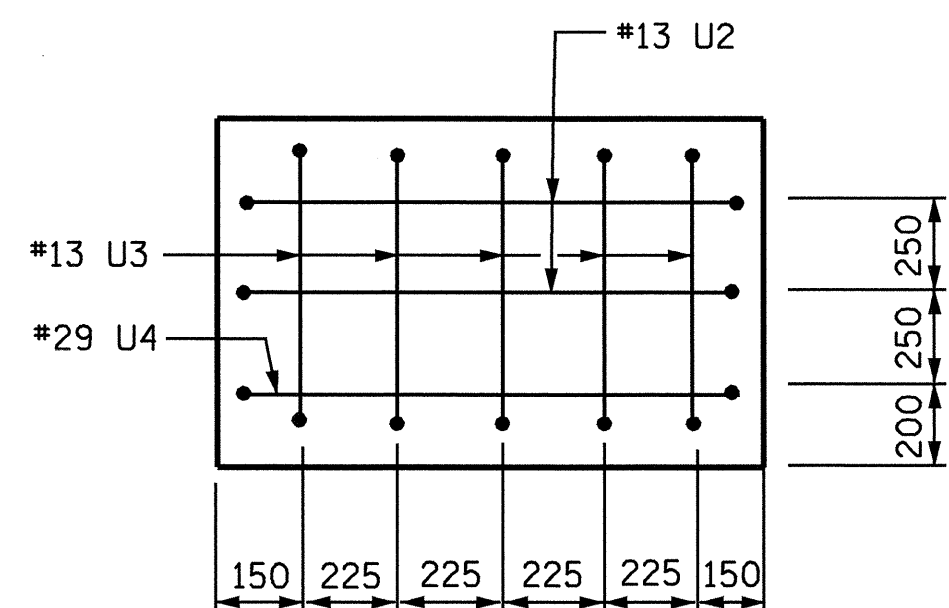
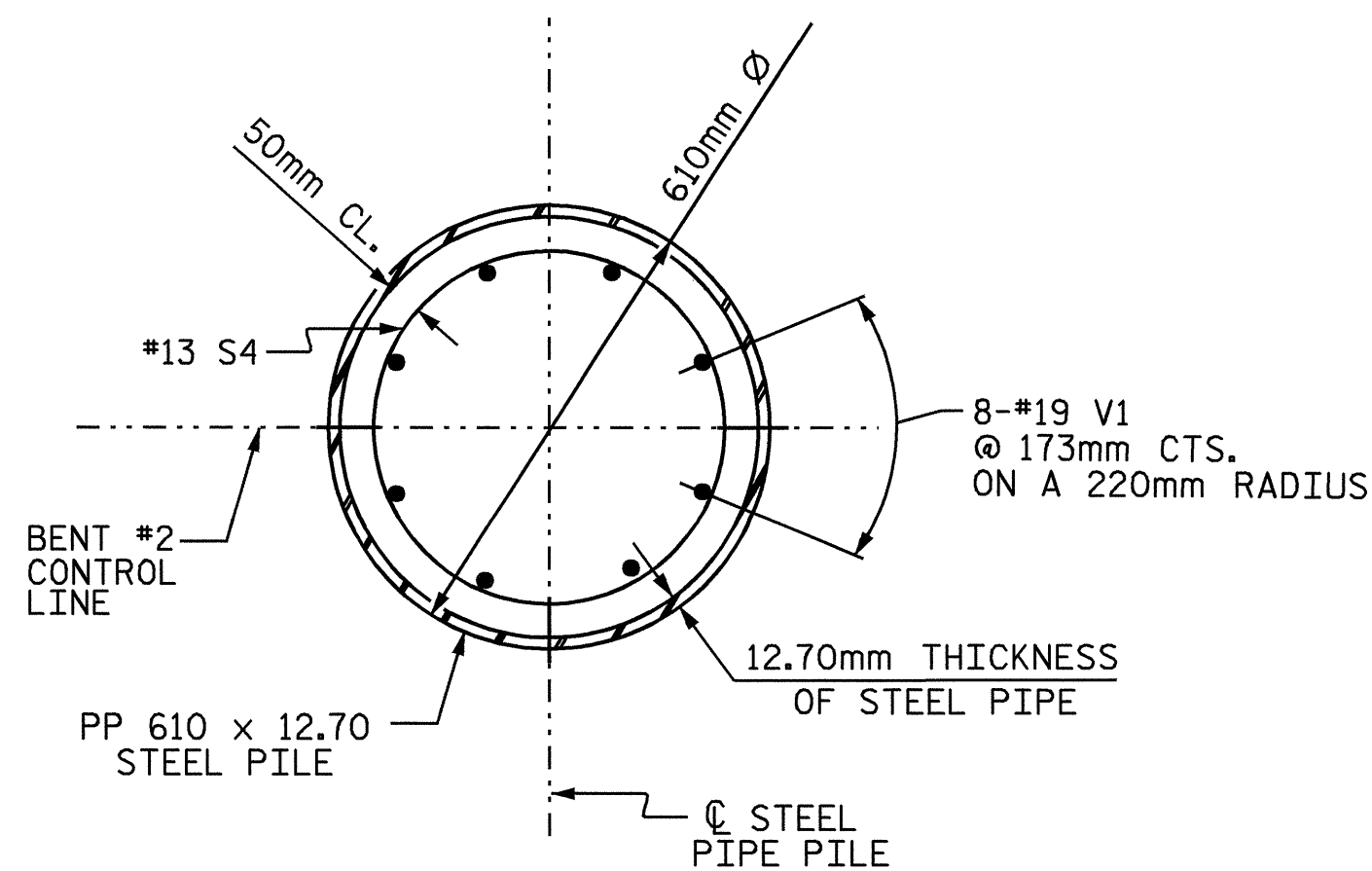


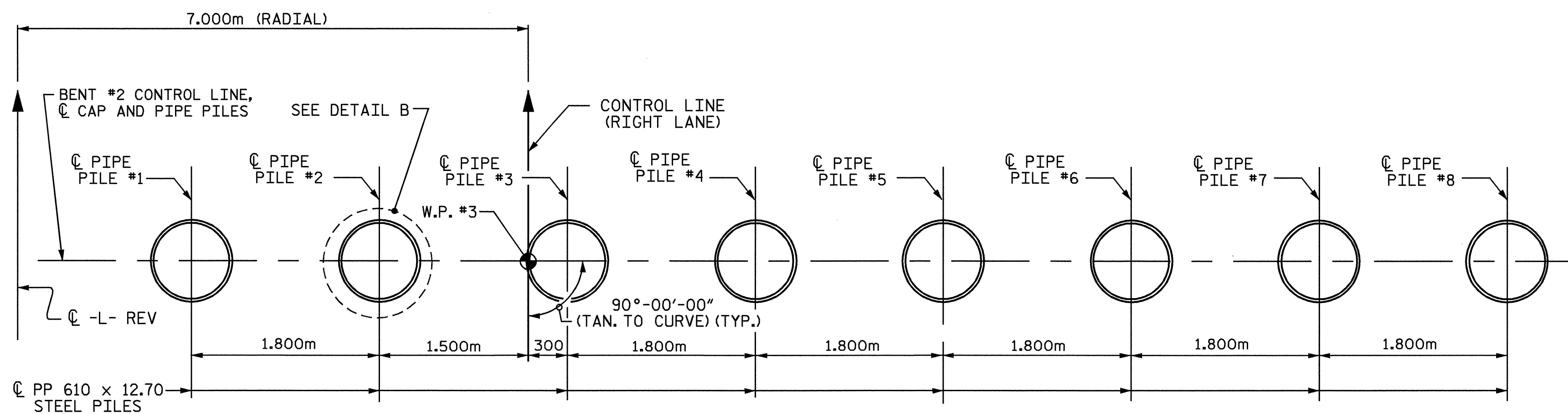
SECTION A-A



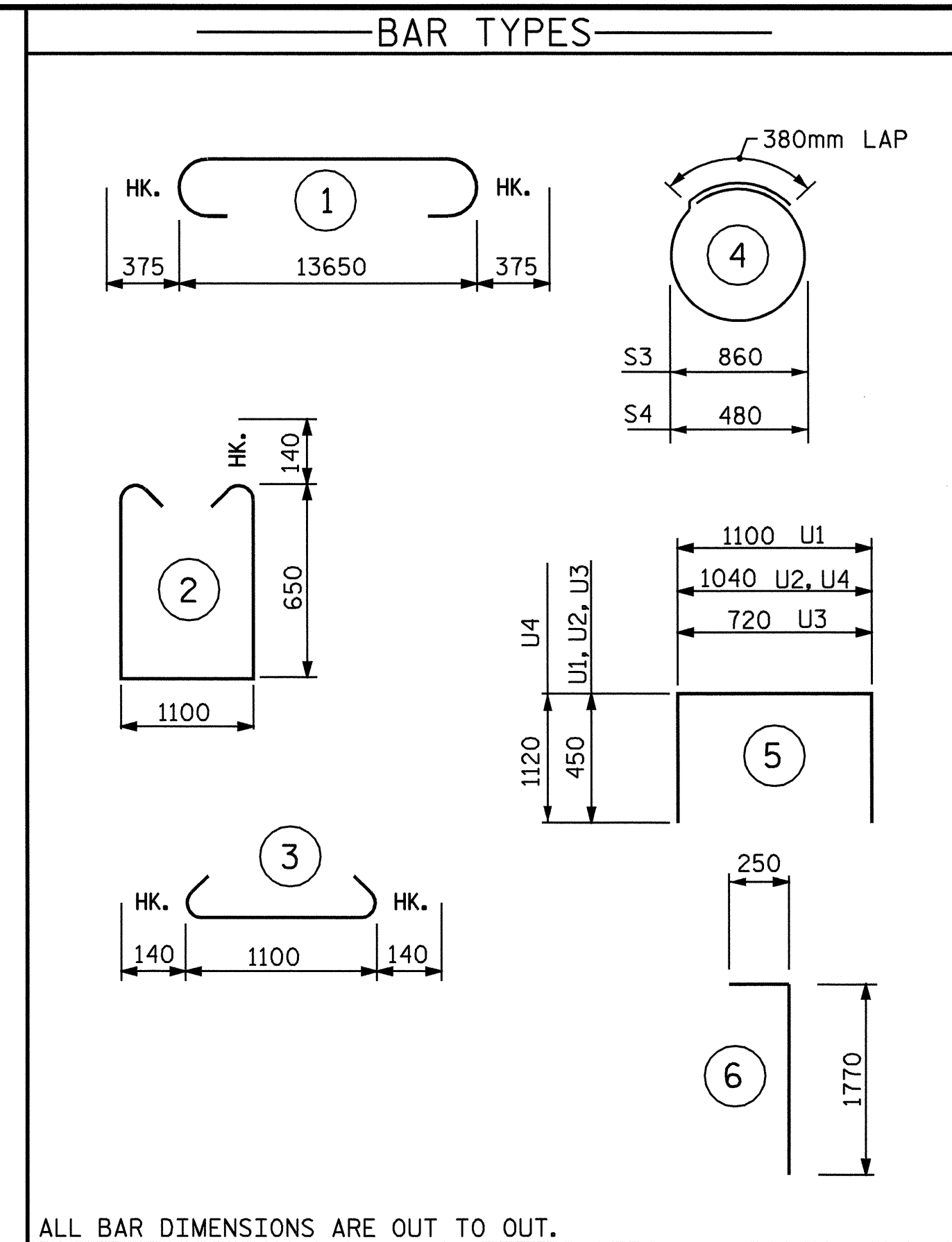
VIEW X-X



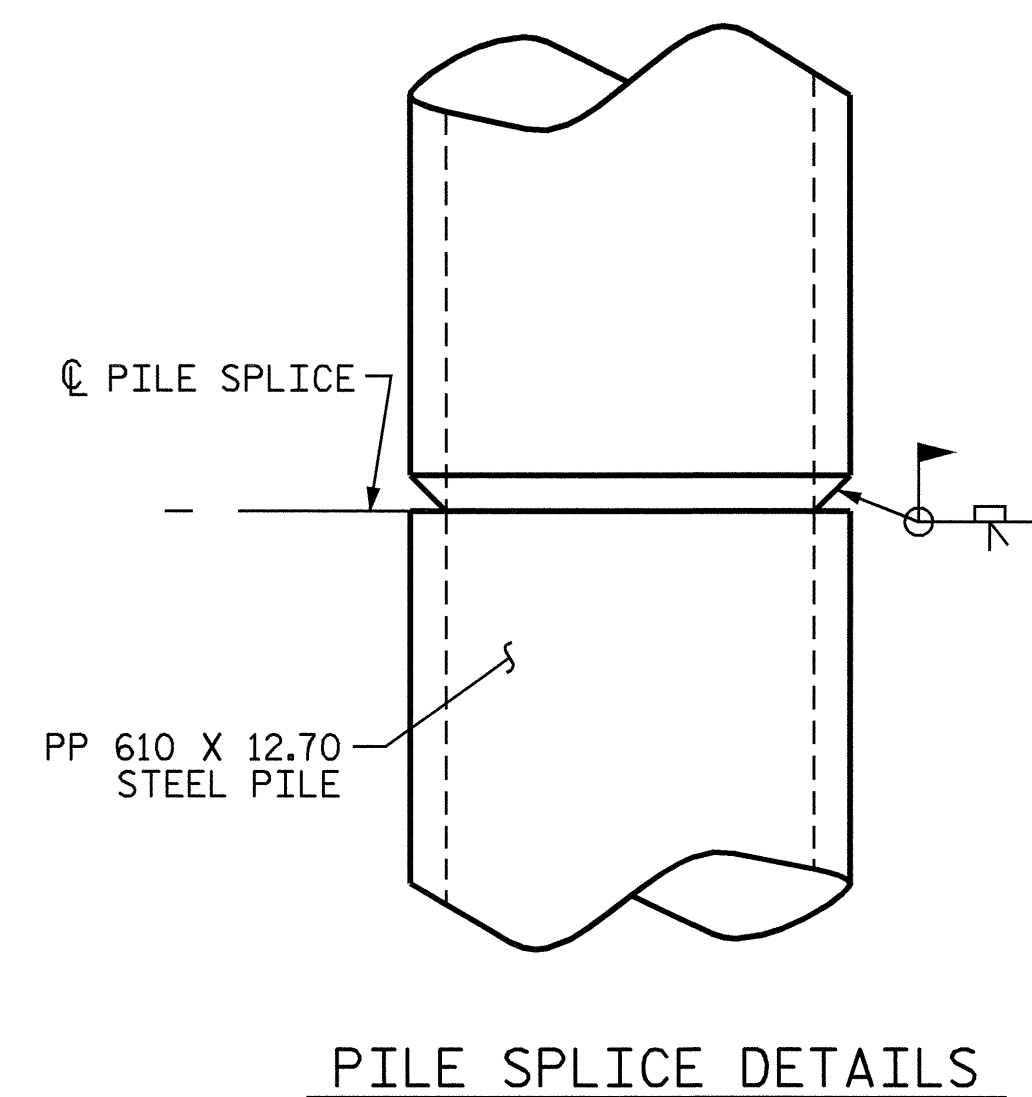
DETAIL B



PLAN OF STEEL PIPE PILES



DRIVING PLATE DETAIL



PILE SPLICE DETAILS

BILL OF MATERIAL

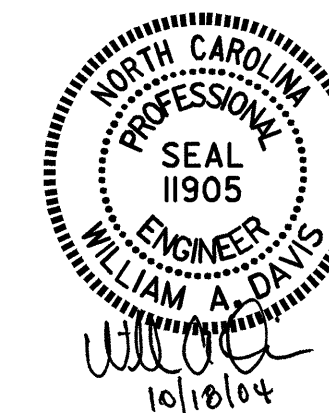
| BENT #2                    |      |        |                |           |      |
|----------------------------|------|--------|----------------|-----------|------|
| BAR NO.                    | SIZE | TYPE   | LENGTH         | WEIGHT    |      |
| B1                         | 4    | 29     | 1              | 14400     | 291  |
| B2                         | 4    | 29     | STR            | 13700     | 277  |
| B3                         | 2    | 16     | STR            | 13700     | 43   |
| B4                         | 8    | 13     | STR            | 7220      | 57   |
| B5                         | 32   | 13     | STR            | 1100      | 35   |
| B6                         | 4    | 13     | STR            | 2680      | 11   |
| B7                         | 16   | 13     | STR            | 2560      | 41   |
| B8                         | 4    | 13     | STR            | 1000      | 4    |
| S1                         | 44   | 16     | 2              | 2680      | 183  |
| S2                         | 44   | 16     | 3              | 1380      | 94   |
| S3                         | 16   | 13     | 4              | 3080      | 49   |
| U1                         | 58   | 13     | 5              | 2000      | 115  |
| U2                         | 4    | 13     | 5              | 1940      | 8    |
| U3                         | 10   | 13     | 5              | 1600      | 16   |
| U4                         | 2    | 29     | 5              | 3280      | 33   |
| REINFORCING STEEL (KG.)    |      |        |                | TOTAL     | 1257 |
| CLASS A CONCRETE           |      |        |                |           |      |
| POUR #2 (BENT CAP)         |      |        |                | CU. METER | 14.2 |
| STEEL PIPE PILES           |      |        |                |           |      |
| BAR NO.                    | SIZE | TYPE   | LENGTH         | WEIGHT    |      |
| V1                         | 64   | 19     | 6              | 2020      | 289  |
| S4                         | 48   | 13     | 4              | 1820      | 87   |
| REINFORCING STEEL (KG.)    |      |        |                | TOTAL     | 376  |
| CLASS A CONCRETE           |      |        |                |           |      |
| POUR #1 (CONCRETE PLUG)    |      |        |                | CU. METER | 3.3  |
| PP 610 X 12.70 STEEL PILES |      |        |                |           |      |
| NO.                        | 8    | LENGTH | 92 LIN. METER. |           |      |

PROJECT NO. R-2562C  
BLADEN COUNTY  
STATION: 178+79.500 -L- REV

SHEET 2 OF 2

STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
RALEIGH

SUBSTRUCTURE  
BENT #2  
(RIGHT LANE)



| REVISIONS |     |       |     |     |       | SHEET NO.    |
|-----------|-----|-------|-----|-----|-------|--------------|
| NO.       | BY: | DATE: | NO. | BY: | DATE: | S-58         |
| 1         |     |       | 3   |     |       | TOTAL SHEETS |
| 2         |     |       | 4   |     |       | 68           |

DRAWN BY: J. G. KHARVA DATE: 7/12/04  
CHECKED BY: J. D. HAWK DATE: 8/20/04