| STATE | PROJECT NO. |
|---|---|
| MISS. | |

## DIMENSIONS AND REINFORCING FOR FLARED HEADWALL FOR SINGLE LINE PIPE CULVERT

| EQUAL PIPE SIZE | DIMENSIONS G | DIMENSIONS X | DIMENSIONS Y | REINFORCING STEEL A NO | A LGTH | B NO | B LGTH | C NO | C LGTH | D NO | D LGTH | J1 NO | J1 LGTH | J2 NO | J2 LGTH | J3 NO | J3 LGTH | J4 NO | J4 LGTH | J5 NO | J5 LGTH | J6 NO | J6 LGTH | J7 NO | J7 LGTH | J8 NO | J8 LGTH | U NO | U LGTH | W1 NO | W1 LGTH | W2 NO | W2 LGTH | W3 NO | W3 LGTH | W4 NO | W4 LGTH | W5 NO | W5 LGTH | W6 NO | W6 LGTH | W7 NO | W7 LGTH | W8 NO | W8 LGTH | W9 NO | W9 LGTH | Y1 NO | Y1 LGTH | Y2 NO | Y2 LGTH | Y3 NO | Y3 LGTH | Y4 NO | Y4 LGTH | Y5 NO | Y5 LGTH | Y6 NO | Y6 LGTH | PAY QUANTITIES FOR ONE HEADWALL CONCRETE (CU. YDS.) | STEEL (LBS.) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 18 | 3-10½ | 5-9⅝ | 2-11 | 4 | 7-3 | 5 | 4-1 | 2 | 2-6 | 2 | 2-3 | 1 | 4-1 | 1 | 5-3 | 1 | 6-1 | | | | | | | | | | | 4 | 2-5 | 2 | 2-5 | 2 | 2-5 | 2 | 1-8 | | | | | | | | | | | | | 2 | 2-2 | 2 | 3-2 | | | | | | | | | 0.62 | 72.0 |
| 24 | 4-7⅜ | 7-2⅝ | 3-7⅞ | 4 | 8-6 | 6 | 4-8 | 2 | 3-0 | 2 | 2-6 | 1 | 4-10 | 1 | 6-0 | 1 | 7-2 | | | | | | | | | | | 4 | 3-1 | 2 | 3-4 | 2 | 3-4 | 2 | 1-8 | 2 | 1-8 | | | | | | | | | | | 2 | 2-2 | 2 | 3-9 | | | | | | | | | 0.86 | 90.0 |
| 30 | 5-2¼ | 8-5⅝ | 4-2¾ | 4 | 9-6 | 6 | 5-3 | 2 | 3-6 | 2 | 2-9 | 1 | 5-5 | 1 | 6-7 | 1 | 7-9 | 1 | 8-9 | | | | | | | | | 4 | 3-9 | 2 | 4-1 | 2 | 4-1 | 2 | 2-7 | 2 | 2-7 | 2 | 1-11 | | | | | | | | | | | 2 | 2-2 | 2 | 4-6 | 2 | 4-6 | | | | | | | 1.11 | 119.0 |
| 36 | 5-11½ | 9-10⅞ | 5-0 | 4 | 10-8½ | 7 | 5-10 | 2 | 3-11 | 2 | 3-0 | 1 | 6-2 | 1 | 7-4 | 1 | 8-6 | 1 | 9-8 | 1 | 10-2 | | | | | | | 4 | 4-5 | 2 | 4-10 | 2 | 4-10 | 2 | 3-4 | 2 | 3-4 | 2 | 2-3 | | | | | | | | | | | 2 | 2-2 | 2 | 4-6 | 2 | 5-2 | | | | | | | 1.41 | 146.0 |
| 42 | 6-7⅝ | 11-2 | 5-8⅛ | 4 | 11-10 | 8 | 6-4 | 2 | 4-4 | 2 | 3-5 | 1 | 6-10 | 1 | 8-0 | 1 | 9-2 | 1 | 10-4 | 1 | 11-6 | | | | | | | 4 | 5-0 | 2 | 5-8 | 2 | 5-8 | 2 | 4-1 | 2 | 4-1 | 2 | 2-7 | 2 | 2-7 | | | | | | | | | 2 | 2-2 | 2 | 4-6 | 2 | 5-9 | | | | | | | 1.71 | 169.0 |
| 48 | 7-4 | 12-7½ | 6-4½ | 4 | 13-0 | 9 | 7-0 | 2 | 4-10 | 2 | 3-10 | 1 | 7-6 | 1 | 8-8 | 1 | 9-10 | 1 | 11-0 | 1 | 12-2 | 1 | 12-11 | | | | | 4 | 5-9 | 2 | 6-5 | 2 | 6-5 | 2 | 4-11 | 2 | 4-11 | 2 | 3-4 | 2 | 3-4 | 2 | 2-10 | | | | | | | 2 | 2-2 | 2 | 4-6 | 2 | 6-6 | 2 | 6-6 | | | | | 2.10 | 215.0 |
| 54 | 7-11½ | 13-10 | 7-0 | 4 | 14-0½ | 9 | 7-6 | 2 | 5-3 | 2 | 4-3 | 1 | 8-2 | 1 | 9-4 | 1 | 10-6 | 1 | 11-8 | 1 | 12-10 | 1 | 14-0 | | | | | 4 | 6-4 | 2 | 7-2 | 2 | 7-2 | 2 | 5-8 | 2 | 5-8 | 2 | 4-1 | 2 | 4-1 | 2 | 3-2 | | | | | | | 2 | 2-2 | 2 | 4-6 | 2 | 6-11 | 2 | 7-1 | | | | | 2.45 | 234.0 |
| 60 | 8-8½ | 15-4¼ | 7-9 | 4 | 15-3½ | 10 | 8-2 | 2 | 5-7 | 2 | 4-8 | 1 | 8-11 | 1 | 10-1 | 1 | 11-3 | 1 | 12-5 | 1 | 13-7 | 1 | 14-9 | 1 | 15-7 | | | 4 | 7-1 | 2 | 8-1 | 2 | 8-1 | 2 | 6-7 | 2 | 6-7 | 2 | 4-11 | 2 | 4-11 | 2 | 3-5 | 2 | 3-5 | | | 2 | 2-2 | 2 | 4-6 | 2 | 6-11 | 2 | 7-10 | 2 | 7-10 | | | 2.93 | 286.0 |
| 72 | 10-1½ | 18-0¼ | 9-2 | 4 | 17-7½ | 11 | 9-3 | 2 | 6-8 | 2 | 5-3 | 1 | 10-4 | 1 | 11-6 | 1 | 12-8 | 1 | 13-10 | 1 | 15-0 | 1 | 16-2 | 1 | 17-4 | 1 | 18-4 | 4 | 8-4 | 2 | 9-9 | 2 | 9-9 | 2 | 8-3 | 2 | 8-3 | 2 | 6-7 | 2 | 6-7 | 2 | 5-1 | 2 | 5-1 | 2 | 4-1 | 2 | 2-2 | 2 | 4-6 | 2 | 6-11 | 2 | 9-1 | 2 | 9-1 | 2 | 9-1 | 3.86 | 370.0 |

## DIMENSIONS AND REINFORCING FOR FLARED HEADWALL FOR DOUBLE LINE PIPE CULVERT

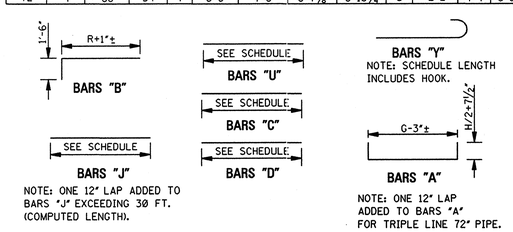
| EQUAL PIPE SIZE | DIMENSIONS G | DIMENSIONS X | DIMENSIONS Y | Z | REINFORCING STEEL A NO | A LGTH | B NO | B LGTH | C NO | C LGTH | D NO | D LGTH | J1 NO | J1 LGTH | J2 NO | J2 LGTH | J3 NO | J3 LGTH | J4 NO | J4 LGTH | J5 NO | J5 LGTH | J6 NO | J6 LGTH | J7 NO | J7 LGTH | J8 NO | J8 LGTH | U NO | U LGTH | W1 NO | W1 LGTH | W2 NO | W2 LGTH | W3 NO | W3 LGTH | W4 NO | W4 LGTH | W5 NO | W5 LGTH | W6 NO | W6 LGTH | W7 NO | W7 LGTH | W8 NO | W8 LGTH | W9 NO | W9 LGTH | Y1 NO | Y1 LGTH | Y2 NO | Y2 LGTH | Y3 NO | Y3 LGTH | Y4 NO | Y4 LGTH | Y5 NO | Y5 LGTH | Y6 NO | Y6 LGTH | PAY QUANTITIES FOR ONE HEADWALL CONCRETE (CU. YDS.) | STEEL (LBS.) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 18 | 7-1½ | 9-0⅝ | 6-2 | 12 | 4 | 10-6 | 9 | 4-1 | 3 | 2-6 | 4 | 2-3 | 1 | 7-4 | 1 | 8-6 | 1 | 9-4 | | | | | | | | | | | 4 | 2-5 | 2 | 2-5 | 2 | 2-5 | 2 | 1-8 | | | | | | | | | | | | | 2 | 2-2 | 2 | 3-2 | | | | | | | | | 0.94 | 103.0 |
| 24 | 8-7¼ | 11-2½ | 7-7¾ | 12 | 4 | 12-6 | 10 | 4-8 | 3 | 3-0 | 4 | 2-6 | 1 | 8-10 | 1 | 10-0 | 1 | 11-2 | | | | | | | | | | | 4 | 3-1 | 2 | 3-4 | 2 | 3-4 | 2 | 1-8 | 2 | 1-8 | | | | | | | | | | | 2 | 2-2 | 2 | 3-9 | | | | | | | | | 1.30 | 127.0 |
| 30 | 9-9 | 13-0⅜ | 8-9½ | 12 | 4 | 14-1 | 11 | 5-3 | 3 | 3-6 | 4 | 2-9 | 1 | 10-0 | 1 | 11-2 | 1 | 12-4 | 1 | 13-4 | | | | | | | | | 4 | 3-9 | 2 | 4-1 | 2 | 4-1 | 2 | 2-7 | 2 | 2-7 | 2 | 1-11 | | | | | | | | | | | 2 | 2-2 | 2 | 4-6 | 2 | 4-6 | | | | | | | 1.66 | 167.0 |
| 36 | 11-6½ | 15-5⅛ | 10-7 | 15 | 4 | 16-3½ | 13 | 5-10 | 4 | 3-11 | 4 | 3-0 | 1 | 11-9 | 1 | 12-11 | 1 | 14-1 | 1 | 15-3 | 1 | 15-9 | | | | | | | 4 | 4-5 | 2 | 4-10 | 2 | 4-10 | 2 | 3-4 | 2 | 3-4 | 2 | 2-3 | | | | | | | | | | | 2 | 2-2 | 2 | 4-6 | 2 | 5-2 | | | | | | | 2.14 | 212.0 |
| 42 | 12-10¾ | 17-5⅛ | 11-11¼ | 15 | 4 | 18-1½ | 14 | 6-4 | 4 | 4-4 | 4 | 3-5 | 1 | 13-1 | 1 | 14-3 | 1 | 15-5 | 1 | 16-7 | 1 | 17-9 | | | | | | | 4 | 5-0 | 2 | 5-8 | 2 | 5-8 | 2 | 4-1 | 2 | 4-1 | 2 | 2-7 | 2 | 2-7 | | | | | | | | | 2 | 2-2 | 2 | 4-6 | 2 | 5-9 | | | | | | | 2.60 | 243.0 |
| 48 | 14-6½ | 19-10 | 13-7 | 18 | 4 | 20-2½ | 15 | 7-0 | 4 | 4-10 | 4 | 3-10 | 1 | 14-8 | 1 | 15-10 | 1 | 17-0 | 1 | 18-2 | 1 | 19-4 | 1 | 20-1 | | | | | 4 | 5-9 | 2 | 6-5 | 2 | 6-5 | 2 | 4-11 | 2 | 4-11 | 2 | 3-4 | 2 | 3-4 | 2 | 2-10 | | | | | | | 2 | 2-2 | 2 | 4-6 | 2 | 6-6 | 2 | 6-6 | | | | | 3.21 | 302.0 |
| 54 | 16-0½ | 21-11 | 15-1 | 21 | 4 | 22-1½ | 17 | 7-6 | 4 | 5-3 | 4 | 4-3 | 1 | 16-3 | 1 | 17-5 | 1 | 18-7 | 1 | 19-9 | 1 | 20-11 | 1 | 22-1 | | | | | 4 | 6-4 | 2 | 7-2 | 2 | 7-2 | 2 | 5-8 | 2 | 5-8 | 2 | 4-1 | 2 | 4-1 | 2 | 3-2 | | | | | | | 2 | 2-2 | 2 | 4-6 | 2 | 6-11 | 2 | 7-1 | | | | | 3.78 | 340.0 |
| 60 | 17-9½ | 24-5¼ | 16-10 | 24 | 4 | 24-4½ | 19 | 8-2 | 4 | 5-7 | 4 | 4-8 | 1 | 18-0 | 1 | 19-2 | 1 | 20-4 | 1 | 21-6 | 1 | 22-8 | 1 | 23-10 | 1 | 24-8 | | | 4 | 7-1 | 2 | 8-1 | 2 | 8-1 | 2 | 6-7 | 2 | 6-7 | 2 | 4-11 | 2 | 4-11 | 2 | 3-5 | 2 | 3-5 | | | 2 | 2-2 | 2 | 4-6 | 2 | 6-11 | 2 | 7-10 | 2 | 7-10 | | | 4.55 | 416.0 |
| 72 | 20-10½ | 28-9¼ | 19-11 | 27 | 4 | 28-4½ | 22 | 9-3 | 5 | 6-8 | 4 | 5-3 | 1 | 21-1 | 1 | 22-3 | 1 | 23-5 | 1 | 24-7 | 1 | 25-9 | 1 | 26-11 | 1 | 28-1 | 1 | 29-1 | 4 | 8-4 | 2 | 9-9 | 2 | 9-9 | 2 | 8-3 | 2 | 8-3 | 2 | 6-7 | 2 | 6-7 | 2 | 5-1 | 2 | 5-1 | 2 | 4-1 | 2 | 2-2 | 2 | 4-6 | 2 | 6-11 | 2 | 9-1 | 2 | 9-1 | 2 | 9-1 | 6.01 | 544.0 |

## DIMENSIONS AND REINFORCING FOR FLARED HEADWALL FOR TRIPLE LINE PIPE CULVERT

| EQUAL PIPE SIZE | DIMENSIONS G | DIMENSIONS X | DIMENSIONS Y | Z | REINFORCING STEEL A NO | A LGTH | B NO | B LGTH | C NO | C LGTH | D NO | D LGTH | J1 NO | J1 LGTH | J2 NO | J2 LGTH | J3 NO | J3 LGTH | J4 NO | J4 LGTH | J5 NO | J5 LGTH | J6 NO | J6 LGTH | J7 NO | J7 LGTH | J8 NO | J8 LGTH | U NO | U LGTH | W1 NO | W1 LGTH | W2 NO | W2 LGTH | W3 NO | W3 LGTH | W4 NO | W4 LGTH | W5 NO | W5 LGTH | W6 NO | W6 LGTH | W7 NO | W7 LGTH | W8 NO | W8 LGTH | W9 NO | W9 LGTH | Y1 NO | Y1 LGTH | Y2 NO | Y2 LGTH | Y3 NO | Y3 LGTH | Y4 NO | Y4 LGTH | Y5 NO | Y5 LGTH | Y6 NO | Y6 LGTH | PAY QUANTITIES FOR ONE HEADWALL CONCRETE (CU. YDS.) | STEEL (LBS.) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 18 | 10-4½ | 12-3⅝ | 9-5 | 12 | 4 | 13-9 | 12 | 4-1 | 4 | 2-6 | 6 | 2-3 | 1 | 10-7 | 1 | 11-9 | 1 | 12-7 | | | | | | | | | | | 4 | 2-5 | 2 | 2-5 | 2 | 2-5 | 2 | 1-8 | | | | | | | | | | | | | 2 | 2-2 | 2 | 3-2 | | | | | | | | | 1.26 | 131.0 |
| 24 | 12-7⅛ | 15-2⅜ | 11-7⅝ | 12 | 4 | 16-5½ | 14 | 4-8 | 4 | 3-0 | 6 | 2-6 | 1 | 12-10 | 1 | 14-0 | 1 | 15-2 | | | | | | | | | | | 4 | 3-1 | 2 | 3-4 | 2 | 3-4 | 2 | 1-8 | 2 | 1-8 | | | | | | | | | | | 2 | 2-2 | 2 | 3-9 | | | | | | | | | 1.73 | 163.0 |
| 30 | 14-3¾ | 17-7⅛ | 13-4¼ | 12 | 4 | 18-8 | 15 | 5-3 | 4 | 3-6 | 6 | 2-9 | 1 | 14-7 | 1 | 15-9 | 1 | 16-11 | 1 | 17-11 | | | | | | | | | 4 | 3-9 | 2 | 4-1 | 2 | 4-1 | 2 | 2-7 | 2 | 2-7 | 2 | 1-11 | | | | | | | | | | | 2 | 2-2 | 2 | 4-6 | 2 | 4-6 | | | | | | | 2.21 | 212.0 |
| 36 | 17-1½ | 21-0⅞ | 16-2 | 15 | 4 | 21-10½ | 18 | 5-10 | 6 | 3-11 | 6 | 3-0 | 1 | 17-4 | 1 | 18-6 | 1 | 19-8 | 1 | 20-10 | 1 | 21-4 | | | | | | | 4 | 4-5 | 2 | 4-10 | 2 | 4-10 | 2 | 3-4 | 2 | 3-4 | 2 | 2-3 | | | | | | | | | | | 2 | 2-2 | 2 | 4-6 | 2 | 5-2 | | | | | | | 2.88 | 274.0 |
| 42 | 19-1⅛ | 23-8¼ | 18-2⅜ | 15 | 4 | 24-4½ | 20 | 6-4 | 6 | 4-4 | 6 | 3-5 | 1 | 19-4 | 1 | 20-6 | 1 | 21-8 | 1 | 22-10 | 1 | 24-0 | | | | | | | 4 | 5-0 | 2 | 5-8 | 2 | 5-8 | 2 | 4-1 | 2 | 4-1 | 2 | 2-7 | 2 | 2-7 | | | | | | | | | 2 | 2-2 | 2 | 4-6 | 2 | 5-9 | | | | | | | 3.48 | 316.0 |
| 48 | 21-9 | 27-0½ | 20-9½ | 18 | 4 | 27-5 | 23 | 7-0 | 6 | 4-10 | 6 | 3-10 | 1 | 21-11 | 1 | 23-1 | 1 | 24-3 | 1 | 25-5 | 1 | 26-7 | 1 | 27-4 | | | | | 4 | 5-9 | 2 | 6-5 | 2 | 6-5 | 2 | 4-11 | 2 | 4-11 | 2 | 3-4 | 2 | 3-4 | 2 | 2-10 | | | | | | | 2 | 2-2 | 2 | 4-6 | 2 | 6-6 | 2 | 6-6 | | | | | 4.33 | 399.0 |
| 54 | 24-1½ | 30-0 | 23-2 | 21 | 4 | 30-2½ | 25 | 7-6 | 6 | 5-3 | 6 | 4-3 | 1 | 24-4 | 1 | 25-6 | 1 | 26-8 | 1 | 27-10 | 1 | 29-0 | 1 | 31-2 | | | | | 4 | 6-4 | 2 | 7-2 | 2 | 7-2 | 2 | 5-8 | 2 | 5-8 | 2 | 4-1 | 2 | 4-1 | 2 | 3-2 | | | | | | | 2 | 2-2 | 2 | 4-6 | 2 | 6-11 | 2 | 7-1 | | | | | 5.12 | 448.0 |
| 60 | 26-10½ | 33-6¼ | 25-11 | 24 | 4 | 33-5½ | 28 | 8-2 | 6 | 5-7 | 6 | 4-8 | 1 | 27-1 | 1 | 28-3 | 1 | 29-5 | 1 | 31-7 | 1 | 32-9 | 1 | 33-11 | 1 | 34-9 | | | 4 | 7-1 | 2 | 8-1 | 2 | 8-1 | 2 | 6-7 | 2 | 6-7 | 2 | 4-11 | 2 | 4-11 | 2 | 3-5 | 2 | 3-5 | | | 2 | 2-2 | 2 | 4-6 | 2 | 6-11 | 2 | 7-10 | 2 | 7-10 | | | 6.17 | 548.0 |
| 72 | 31-7½ | 39-6¼ | 30-8 | 27 | 4 | 39-1½ | 33 | 9-3 | 8 | 6-8 | 6 | 5-3 | 1 | 32-10 | 1 | 34-0 | 1 | 35-2 | 1 | 36-4 | 1 | 37-6 | 1 | 38-8 | 1 | 39-10 | 1 | 40-11 | 4 | 8-4 | 2 | 9-9 | 2 | 9-9 | 2 | 8-3 | 2 | 8-3 | 2 | 6-7 | 2 | 6-7 | 2 | 5-1 | 2 | 5-1 | 2 | 4-1 | 2 | 2-2 | 2 | 4-6 | 2 | 6-11 | 2 | 9-1 | 2 | 9-1 | 2 | 9-1 | 8.16 | 724.0 |

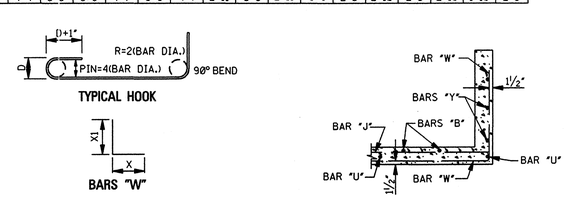
## DIMENSIONS AND REINFORCING COMMON TO FLARED HEADWALLS FOR SINGLE, DOUBLE AND TRIPLE LINE PIPE CULVERTS

| EQUAL PIPE SIZE | MIN THICK "T" | INSIDE SPAN | INSIDE RISE | C | H | R | S1 | S2 | U | W | W1 X | W1 X1 | W2 X | W2 X1 | W3 X | W3 X1 | W4 X | W4 X1 | W5 X | W5 X1 | W6 X | W6 X1 | W7 X | W7 X1 | W8 X | W8 X1 | W9 X | W9 X1 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | DIMENSIONS | | | | | | | | | | DETAIL DIMENSIONS FOR COMMON WING WALL REINFORCING STEEL | | | | | | | | | | | | | | | | | |
| 18 | 2½ | 22 | 13½ | 7 | 2-4½ | 2-6 | 2-7¾ | 2-10⅝ | 5 | 0-8 | 1-1 | 1-4 | 1-1 | 1-4 | 0-10 | 0-10 | | | | | | | | | | | | |
| 24 | 3 | 28½ | 18 | 7 | 2-10½ | 3-1 | 3-3⅞ | 3-6¾ | 5 | 0-10 | 1-6 | 1-10 | 1-6 | 1-10 | 0-10 | 0-10 | 0-10 | 0-10 | | | | | | | | | | |
| 30 | 3½ | 36¼ | 22½ | 7 | 3-4 | 3-8 | 4-0 | 4-2⅞ | 5 | 1-0 | 1-10 | 2-3 | 1-10 | 2-3 | 1-2 | 1-5 | 1-2 | 1-5 | 0-10 | 1-1 | | | | | | | | |
| 36 | 4 | 43¾ | 26⅝ | 7 | 3-9 | 4-3 | 4-8 | 4-10⅞ | 5 | 1-2 | 2-2 | 2-8 | 2-2 | 2-8 | 1-6 | 1-10 | 1-6 | 1-10 | 1-0 | 1-3 | | | | | | | | |
| 42 | 4½ | 51⅛ | 31⅝ | 7 | 4-2½ | 4-9 | 5-3 | 5-5⅞ | 5 | 1-4 | 2-6 | 3-2 | 2-6 | 3-2 | 1-10 | 2-3 | 1-10 | 2-3 | 1-2 | 1-5 | 1-2 | 1-5 | | | | | | |
| 48 | 5 | 58½ | 36 | 7 | 4-8 | 5-5 | 6-0⅞ | 6-3 | 5 | 1-6 | 2-10 | 3-7 | 2-10 | 3-7 | 2-2 | 2-9 | 2-2 | 2-9 | 1-6 | 1-10 | 1-6 | 1-10 | 1-3 | 1-7 | | | | |
| 54 | 5½ | 65 | 40 | 7 | 5-1 | 5-11 | 6-7⅞ | 6-10 | 5 | 1-8 | 3-2 | 4-0 | 3-2 | 4-0 | 2-6 | 3-2 | 2-6 | 3-2 | 1-10 | 2-3 | 1-10 | 2-3 | 1-5 | 1-9 | | | | |
| 60 | 6 | 73 | 45 | 7 | 5-7 | 6-7 | 7-4⅜ | 7-7¼ | 5 | 1-10 | 3-7 | 4-6 | 3-7 | 4-6 | 2-11 | 3-8 | 2-11 | 3-8 | 2-2 | 2-9 | 2-2 | 2-9 | 1-6 | 1-11 | 1-6 | 1-11 | | |
| 72 | 7 | 88 | 54 | 7 | 6-6 | 7-8 | 8-7⅜ | 8-10¼ | 5 | 2-2 | 4-4 | 5-5 | 4-4 | 5-5 | 3-8 | 4-7 | 3-8 | 4-7 | 2-11 | 3-8 | 2-11 | 3-8 | 2-3 | 2-10 | 2-3 | 2-10 | 1-10 | 2-3 |

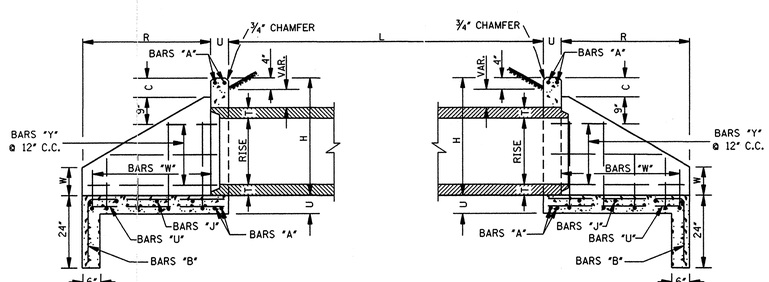



BAR BENDING DETAILS

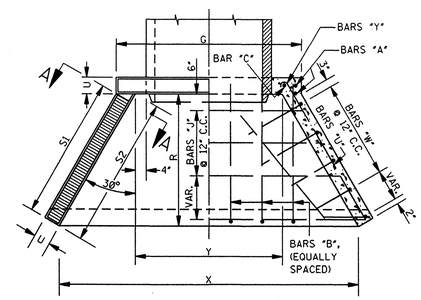
NOTE: ALL BARS ARE #4.



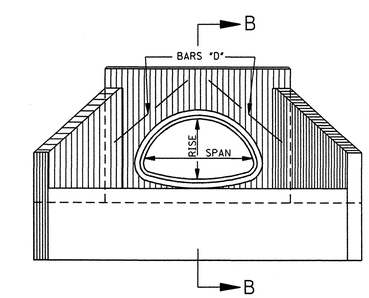

SECTION A–A



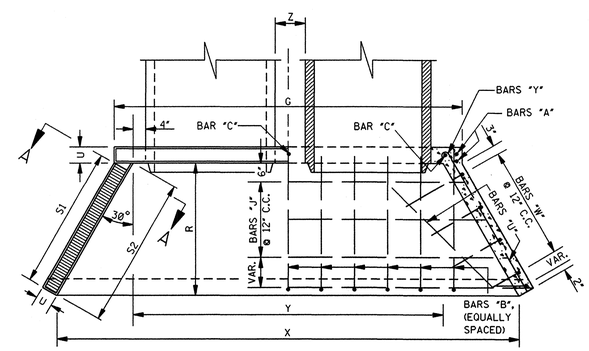

SECTION B–B



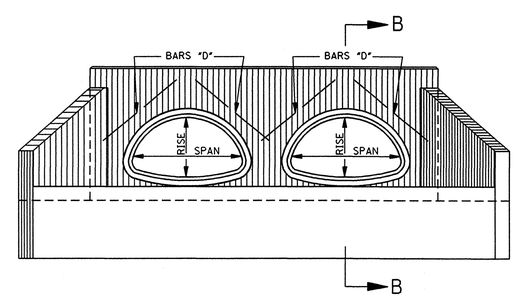

PLAN




FRONT ELEVATION




PLAN




FRONT ELEVATION

GENERAL NOTES:

1. SPECIFICATIONS: MISSISSIPPI DEPARTMENT OF TRANSPORTATION, LATEST EDITION.
2. ALL CONCRETE SHALL BE CLASS "B".
3. ALL EXPOSED EDGES SHALL BE CHAMFERED ¾".
4. EXPOSED CONCRETE SURFACES SHALL BE FINISHED IN ACCORDANCE WITH THE APPLICABLE SECTION OF THE MDOT SPECIFICATIONS.
5. ALL LENGTHS AND QUANTITIES IN THE TABLES HEREON ARE BASED ON CONCRETE TONGUE & GROOVE PIPE.
6. DIMENSIONS SHOWN FOR BAR SPACING ARE TO ℄ BARS.
7. ARCH PIPE SHALL CONFORM TO REQUIREMENTS OF AASHTO M 206 FOR CLASS OF PIPE SHOWN ON PLANS.
8. QUANTITIES SHOWN SHALL BE THE BASIS FOR FINAL PAYMENT UNLESS AUTHORIZED MODIFICATIONS ARE MADE.

| DATE | REVISION | BY |
|---|---|---|
| | | |

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
ROADWAY DESIGN DIVISION
STANDARD PLAN

# HEADWALLS FOR CONCRETE ARCH PIPE, 2:1 SLOPE, 0°-15° SKEW

ENGLISH

WORKING NUMBER HWA-2100

ISSUE DATE: OCTOBER 1, 1998

SHEET NUMBER 349