

STANDARD LAYING LENGTH = 6.0'

| STANDARD MNDOT PRECAST CONCRETE BOX CULVERTS | | | | | | | |
|--|-------|---------------|-----------------------------------|------------|------------|------------|----------------------|
| SPAN x RISE (FEET) | CLASS | f' c (PSI) | FILL HEIGHT RANGE (FEET) | Tt (IN) | Tb (IN) | Ts (IN) | WEIGHT (LBS./FT.) |
| 14 x 8 | 2 | 5000 | 2 - 6 | 10 | 10 | 8 | 5640 |
| 14 x 8 | 3 | 5000 | 6 - 11 | 10 | 11 | 9 | 6080 |
| 14 x 8 | 4 | 6000 | 11 - 17 | 12 | 12 | 10 | 6910 |
| 14 x 9 | 1 | 5000 | < 2 | 10 | 10 | 8 | 5840 |
| 14 x 9 | 2 | 5000 | 2 - 6 | 10 | 10 | 8 | 5840 |
| 14 x 9 | 3 | 5000 | 6 - 11 | 10 | 11 | 9 | 6300 |
| 14 x 9 | 4 | 6000 | 11 - 17 | 12 | 12 | 10 | 7160 |
| 14 x 10 | 1 | 5000 | < 2 | 10 | 10 | 8 | 6040 |
| 14 x 10 | 2 | 5000 | 2 - 6 | 10 | 10 | 8 | 6040 |
| 14 x 10 | 3 | 5000 | 6 - 11 | 10 | 11 | 9 | 6530 |
| 14 x 10 | 4 | 6000 | 11 - 17 | 12 | 12 | 10 | 7410 |
| 14 x 11 | 1 | 5000 | < 2 | 10 | 10 | 8 | 6240 |
| 14 x 11 | 2 | 5000 | 2 - 6 | 10 | 10 | 8 | 6240 |
| 14 x 11 | 3 | 5000 | 6 - 11 | 10 | 11 | 9 | 6750 |
| 14 x 11 | 4 | 6000 | 11 - 17 | 12 | 12 | 10 | 7660 |
| 14 x 12 | 1 | 5000 | < 2 | 10 | 10 | 8 | 6440 |
| 14 x 12 | 2 | 5000 | 2 - 6 | 10 | 10 | 8 | 6440 |
| 14 x 12 | 3 | 5000 | 6 - 11 | 10 | 11 | 9 | 6980 |
| 14 x 12 | 4 | 6000 | 11 - 17 | 12 | 12 | 10 | 7910 |
| 14 x 13 | 1 | 5000 | < 2 | 10 | 10 | 8 | 6640 |
| 14 x 13 | 2 | 5000 | 2 - 6 | 10 | 10 | 8 | 6640 |
| 14 x 13 | 3 | 5000 | 6 - 11 | 10 | 11 | 9 | 7200 |
| 14 x 13 | 4 | 6000 | 11 - 17 | 12 | 12 | 10 | 8160 |
| 14 x 14 | 1 | 5000 | < 2 | 10 | 10 | 8 | 6840 |
| 14 x 14 | 2 | 5000 | 2 - 6 | 10 | 10 | 8 | 6840 |
| 14 x 14 | 3 | 5000 | 6 - 11 | 10 | 11 | 9 | 7430 |
| 14 x 14 | 4 | 6000 | 11 - 17 | 12 | 12 | 10 | 8410 |

MNDOT SPEC. REF. 3238; 5 OF 5; NOT TO SCALE

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|  | MINNEAPOLIS DEPARTMENT OF PUBLIC WORKS | | PRECAST CONCRETE BOX CULVERTS | STANDARD PLATE NO. SEWR-4012 |
| | DRAWN: DCD | DATE: 3/03 | | |
| | APPROVED: HRS | DATE: 12/06 | | |