

**2 2/3" x 1/2" CORRUGATED STEEL PIPE (RIVETED)
HEIGHT OF COVER LIMITS (ft.)**

| | AREA (sft) | DIAMETER (in.) | THICKNESS (in.) | | | | | | | | | |
|--|---------------|-------------------|-----------------|------|-------|-------|-------|-------|-------|------|-------|------|
| | | | 0.064 | | 0.079 | | 0.109 | | 0.138 | | 0.168 | |
| | | | MIN. | MAX. | MIN. | MAX. | MIN. | MAX. | MIN. | MAX. | MIN. | MAX. |
| | 0.8 | 12 | 1.0 | 92.7 | 1.0 | 100.0 | X | X | X | X | X | X |
| | 1.2 | 15 | 1.0 | 74.2 | 1.0 | 80.8 | 1.0 | 100.0 | X | X | X | X |
| | 1.8 | 18 | 1.0 | 61.8 | 1.0 | 67.4 | 1.0 | 86.6 | X | X | X | X |
| | 2.4 | 21 | 1.0 | 53.0 | 1.0 | 57.7 | 1.0 | 74.2 | X | X | X | X |
| | 3.1 | 24 | 1.0 | 46.3 | 1.0 | 50.5 | 1.0 | 65.0 | X | X | X | X |
| | 4.0 | 27 | 1.0 | 41.2 | 1.0 | 44.9 | 1.0 | 57.7 | X | X | X | X |
| | 4.9 | 30 | 1.0 | 37.1 | 1.0 | 40.4 | 1.0 | 52.0 | 1.0 | 54.4 | X | X |
| | 5.9 | 33 | 1.0 | 30.9 | 1.0 | 33.7 | 1.0 | 43.3 | 1.0 | 45.3 | X | X |
| | 7.1 | 36 | 1.0 | 30.9 | 1.0 | 33.7 | 1.0 | 43.3 | 1.0 | 45.3 | 1.0 | 47.4 |
| | 9.6 | 42 | 1.0 | 34.2 | 1.0 | 47.3 | 1.0 | 74.2 | 1.0 | 77.7 | 1.0 | 81.4 |
| | 12.6 | 48 | 1.0 | 30.0 | 1.0 | 41.3 | 1.0 | 65.0 | 1.0 | 68.0 | 1.0 | 71.2 |
| | 15.9 | 54 | X | X | 1.0 | 36.7 | 1.0 | 57.7 | 1.0 | 60.4 | 1.0 | 63.3 |
| | 19.6 | 60 | X | X | X | X | 1.0 | 52.0 | 1.0 | 54.4 | 1.0 | 57.0 |
| | 23.8 | 66 | X | X | X | X | X | X | 1.0 | 49.4 | 1.0 | 51.8 |
| | 28.3 | 72 | X | X | X | X | X | X | 1.0 | 45.3 | 1.0 | 47.5 |
| | 33.2 | 78 | X | X | X | X | X | X | X | X | 1.0 | 43.8 |
| | 38.5 | 84 | X | X | X | X | X | X | X | X | 1.0 | 40.7 |
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NOTE:

1. The tabulated cover depths shall be measured from the bottom of the asphalt or concrete pavement to the top of the pipe.

INDIANA DEPARTMENT OF TRANSPORTATION

**PIPE HEIGHT OF
COVER LIMITS**

JANUARY 1998

STANDARD DRAWING NO. E 715-PHCL-10

| | | |
|---------------------------|-------------------------------|----------|
| | DETAILS PLACED IN THIS FORMAT | 11-15-99 |
| | /s/ Anthony L. Uremovich | 11-15-99 |
| | DESIGN STANDARDS ENGINEER | DATE |
| | /s/ Firooz Zandi | 11-15-99 |
| | CHIEF HIGHWAY ENGINEER | DATE |
| DESIGN STANDARDS ENGINEER | ORIGINALLY APPROVED | 1-02-98 |