

| CORRUGATED ALUMINUM ALLOY PIPE- 6" x 1" CORRUGATIONS | | | | | | |
|---|---------------------|-----------------------------------|---------------|---------------|---------------|--------------|
| PIPE DIAMETER INCHES | AREA SQ. FT. | MAXIMUM HEIGHT OF COVER IN FEET | | | | |
| | | SHEET THICKNESS IN INCHES (GAUGE) | | | | |
| | | 0.060 (16) | 0.075 (14) | 0.105 (12) | 0.135 (10) | 0.164 (8) |
| 36 | 7.1 | 16 | 24 | 26 | 30 | 33 |
| 42 | 9.6 | 16 | 21 | 23 | 25 | 27 |
| 48 | 12.6 | 15 | 20 | 21 | 22 | 23 |
| 54 | 16.0 | 15 | 19 | 20 | 21 | 21 |
| 60 | 19.6 | 14 | 18 | 19 | 19 | 20 |
| 66 | 23.8 | 14 | 18 | 18 | 19 | 19 |
| 72 | 28.3 | | 18 | 18 | 18 | 19 |
| 78 | 33.2 | | 16 | 18 | 18 | 18 |
| 84 | 38.5 | | | 17 | 18 | 18 |
| 90 | 44.2 | | | 15 | 17 | 18 |
| 96 | 50.3 | | | | 16 | 17 |
| 102 | 56.7 | | | | 13 | 16 |
| 108 | 63.6 | | | | | 14 |
| 114 | 70.9 | | | | | 11 |
| 120 | 78.5 | | | | | |

NOTES:

- COVER HEIGHTS INDICATED IN TABLES ARE FOR FINISHED CONSTRUCTION.
- TO PROTECT PIPE DURING CONSTRUCTION, MINIMUM HEIGHT OF COVER TO BE IN ACCORDANCE WITH TABLE A AS FOLLOWS PRIOR TO ALLOWING CONSTRUCTION TRAFFIC TO CROSS INSTALLATION. THE COVER SHALL EXTEND THE FULL LENGTH OF THE PIPE. THE APPROACH FILL RAMP IS TO EXTEND A MINIMUM OF 20 DIAMETERS ON EACH SIDE OF THE PIPE, OR TO THE INTERSECTION WITH A CUT.
- STANDARD MINIMUM FINISHED HEIGHT OF COVER FOR ALL PIPES, EXCEPT THOSE UNDER ENTRANCES, SHALL BE 2.0' OR 1/2 SPAN, WHICHEVER IS GREATER. IN CASES IN WHICH THESE COVER HEIGHTS CANNOT BE ACHIEVED, AN ABSOLUTE MINIMUM FINISHED COVER HEIGHT OF 1.0' OR 1/8 DIAMETER, WHICHEVER IS GREATER, WILL BE ALLOWED ONLY IF ALL POSSIBLE MEANS TO OBTAIN THE STANDARD VALUE HAVE BEEN EXHAUSTED.
- 16 GAUGE PIPE LIMITED TO THOSE LOCATIONS WHERE PIPE DIAMETER PLUS COVER IS LESS THAN 20'.
- THE MAXIMUM HEIGHT OF COVER SHOWN IN THE TABLES IS BASED ON A SOIL MODULUS OF 700 PSI. ALL OTHER DESIGN CRITERIA ARE IN ACCORDANCE WITH THE AASHTO SPECIFICATIONS AND VDOT MODIFICATIONS FOR SOIL CORRUGATED METAL STRUCTURE INTERACTION SYSTEMS.

| TABLE A | |
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| PIPE DIAMETER | MINIMUM COVER HEIGHT DURING CONSTRUCTION (SEE NOTE 2) |
| 30" AND OVER | EQUAL TO DIAMETER |

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| SPECIFICATION REFERENCE |
| 232 302 |

CORRUGATED ALUMINUM ALLOY PIPE
HEIGHT OF COVER TABLE FOR H-20 LIVE LOAD
VIRGINIA DEPARTMENT OF TRANSPORTATION