

**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 $\frac{1}{2}$ SPAN, WHICHEVER IS GREATER. IN CASES IN WHICH THESE COVER HEIGHTS CANNOT BE ACHIEVED, AN ABSOLUTE MINIMUM FINISHED COVER HEIGHT OF 1.0' OR $\frac{1}{8}$ 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

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



ROAD AND BRIDGE STANDARDS

**CORRUGATED ALUMINUM ALLOY PIPE
HEIGHT OF COVER TABLE FOR H-20 LIVE LOAD**

SPECIFICATION
REFERENCE

SHEET 5 OF 18

REVISION DATE

107.09

VIRGINIA DEPARTMENT OF TRANSPORTATION

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