

CORRUGATED ALUMINUM ALLOY PIPE - 6" x 1" CORRUGATIONS

PIPE DIAMETER (IN.)	AREA (SQ. FT.)	MAXIMUM HEIGHT OF COVER LIMITS IN FEET									
		SHEET THICKNESS IN INCHES (GAUGE)									
		.060 (16)		.075 (14)		.105 (12)		.135 (10)		.164 (8)	
		CIRCULAR	ELONGATED	CIRCULAR	ELONGATED	CIRCULAR	ELONGATED	CIRCULAR	ELONGATED	CIRCULAR	ELONGATED
36	7.1	22	29	24	36	26	51	30	60	33	66
42	9.6	20	25	21	31	23	44	25	50	27	54
48	12.6	19	22	20	27	21	38	22	45	23	47
54	16.0	18	19	19	24	20	34	21	42	21	43
60	19.6	17		18	22	19	31	19	39	20	41
66	23.8	16		18	20	18	28	19	36	19	39
72	28.3			18		18	25	18	33	19	38
78	33.2			16		18	23	18	30	18	37
84	38.5					17	18	18	24	18	29
90	44.2					15		17	19	18	24
96	50.3							16		17	19
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 as follows prior to allowing construction traffic to cross installation.

Pipe Diameter	Min. Cover Height * During Construction
30" and over	Equal to Diameter

Minimum finished height of cover to be 1/8 Dia. or 1'-0", whichever is greater.

* The cover shall extend the full length of the pipe culvert. The approach fill ramp is to extend a minimum of (10)(2 Diameters) on each side of the culvert, or to the intersection with a cut.

For details of elongated pipe see sheet 17 of 17.

The allowable cover tables shown are 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.

SPECIFICATION REFERENCE

302
232

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

VIRGINIA DEPARTMENT OF TRANSPORTATION