

STRUCTURAL PLATE STEEL PIPE -6" X 2" CORRUGATIONS

PIPE DIAMETER (IN.)	AREA (SQ. FT.)	MAXIMUM HEIGHT OF COVER LIMITS IN FEET													
		SHEET THICKNESS IN INCHES (GAUGE)													
		0.109 (12)		0.138 (10)		0.168 (8)		0.188 (7)		0.218 (5)		0.249 (3)		0.280 (1)	
		CIRCULAR	ELONGATED	CIRCULAR	ELONGATED	CIRCULAR	ELONGATED	CIRCULAR	ELONGATED	CIRCULAR	ELONGATED	CIRCULAR	ELONGATED	CIRCULAR	ELONGATED
60	20	43	47	50	68	58	90	63	103	71	124	79	146	88	160
66	24	36	43	42	62	48	81	51	93	58	113	64	128	70	141
72	28	32	39	36	57	40	75	43	86	48	97	53	106	58	116
78	33	28	36	32	52	35	69	38	76	41	83	45	91	49	99
84	38	26	34	29	49	32	64	33	67	36	73	39	79	43	86
90	44	24	31	27	45	29	58	30	61	33	66	35	71	38	76
96	50	23	29	25	43	27	54	28	56	30	60	32	64	34	68
102	57	22	28	23	40	25	50	26	53	28	56	29	59	31	63
108	64	21	26	22	38	24	48	25	50	26	52	27	55	29	58
114	71	20	25	21	36	23	46	23	47	25	50	26	52	27	54
120	78	20	23	21	34	22	44	22	45	23	47	24	49	25	51
132	95	19	21	20	31	20	40	21	42	22	44	22	45	23	47
144	113	18	19	19	28	20	37	20	40	21	42	21	43	22	44
156	133	18		18	26	19	34	19	39	20	40	20	41	21	42
168	154	17		18	24	18	32	19	36	19	39	19	39	20	40
180	177	15		18	22	18	30	18	34	19	38	19	38	19	39
192	201			18	21	18	28	18	32	18	37	19	37	19	38
204	227			17	19	18	24	18	27	18	32	18	37	18	37
216	254					17	20	18	23	18	27	18	31	18	35
228	284					17		17	19	18	23	18	26	18	30
240	314							16		17	19	18	22	18	25

Notes:

Cover heights indicated in the table are for finished construction.

To protect pipe during construction minimum height of cover prior to allowing construction traffic to cross installation is to be Dia./2.

This cover shall extend the full length of the pipe.

Structural Plate Pipe dimensions are to inside crest and are subject to manufacturing tolerances.

The approach fill ramp is to extend a minimum of 10 (Dia.+3') on each side of the culvert, or to the intersection with a cut.

Minimum finished height of cover to be Dia./8 or 12" whichever is greater.

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 AASHTO Specifications and VDOT Modifications for Soil Corrugated Metal Structure Interaction Systems.

**STRUCTURAL PLATE STEEL PIPE  
HEIGHT OF COVER TABLE FOR H-20 LIVE LOAD**

SPECIFICATION  
REFERENCE

232  
302