

**2 <sup>2</sup>/<sub>3</sub>" x <sup>1</sup>/<sub>2</sub>" CORRUGATED ALUMINUM ALLOY PIPE (LOCK SEAM)  
HEIGHT OF COVER LIMITS (ft.)**

	AREA (sft)	DIAMETER (in.)	THICKNESS (in)									
			0.060		0.075		0.105		0.135		0.164	
			MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.
	0.8	12	1.0	100.0	1.0	100.0	1.0	100.0				
	1.2	15	1.0	100.0	1.0	100.0	1.0	100.0				
	1.8	18	1.0	100.0	1.0	100.0	1.0	100.0				
	2.4	21	1.0	88.5	1.0	100.0	1.0	100.0				
	3.1	24	1.0	77.5	1.0	96.8	1.0	100.0	1.0	100.0		
	4.0	27	1.0	68.8	1.0	86.0	1.0	100.0	1.0	100.0		
	4.9	30	1.0	62.0	1.0	77.4	1.0	100.0	1.0	100.0		
	5.9	33			1.0	64.5	1.0	90.4	1.0	100.0		
	7.1	36			1.0	64.5	1.0	90.4	1.0	100.0		
	9.6	42					1.0	77.4	1.0	99.7		
	12.6	48					1.0	66.7	1.0	86.6	1.0	100.0
	15.9	54					1.0	54.4	1.0	70.8	1.0	87.6
	19.6	60							1.0	57.6	1.0	71.6
	23.8	66									1.0	57.7
	28.3	72									1.0	45.5

**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-01

	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
DESIGN STANDARDS ENGINEER			DATE	
CHIEF HIGHWAY ENGINEER			DATE	
ORIGINALLY APPROVED			1-02-98	