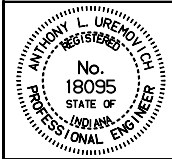


**REINFORCED CONCRETE CIRCULAR PIPE  
HEIGHT OF COVER LIMITS (ft.)**

DIAMETER (in.)	Strength Class/D-load Rating												
	Class IV : D <sub>0.01</sub> = 2250		Class IV : D <sub>0.01</sub> = 2500		Class IV : D <sub>0.01</sub> = 2750		Class V : D <sub>0.01</sub> = 3000		Class V : D <sub>0.01</sub> = 3250				
	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.			
12	1.0	100.0	1.0	100.0	1.0	100.5	1.0	100.5	1.0	100.5			
15	1.0	100.0	1.0	100.0	1.0	100.5	1.0	100.5	1.0	100.5			
18	1.0	100.0	1.0	100.0	1.0	100.5	1.0	100.5	1.0	100.5			
21	1.0	100.0	1.0	100.0	1.0	100.5	1.0	100.5	1.0	100.5			
24	1.0	100.0	1.0	100.0	1.0	100.5	1.0	100.5	1.0	100.5			
27	1.0	92.0	1.0	100.0	1.0	100.5	1.0	100.5	1.0	100.5			
30	1.0	100.0	1.0	100.0	1.0	100.5	1.0	100.5	1.0	100.5			
33	1.0	89.0	1.0	100.0	1.0	100.5	1.0	100.5	1.0	100.5			
36	1.0	79.0	1.0	100.0	1.0	100.5	1.0	100.5	1.0	100.5			
42	1.0	68.0	1.0	100.0	1.0	100.5	1.0	100.5	1.0	100.5			
48	1.0	61.0	1.0	100.0	1.0	100.5	1.0	100.5	1.0	100.5			
54	1.0	57.0	1.0	100.0	1.0	100.5	1.0	100.5	1.0	100.5			
60	1.0	30.0	1.0	100.0	1.0	45.0	1.0	57.0	1.0	75.0			
66	1.0	31.0	1.0	100.0	1.0	46.0	1.0	57.0	1.0	74.0			
72	1.0	32.0	1.0	37.0	1.0	47.0	1.0	57.0	1.0	73.0			
78	1.0	32.0	1.0	39.0	1.0	47.0	1.0	57.0	1.0	72.0			
84	1.0	33.0	1.0	39.0	1.0	47.0	1.0	57.0	1.0	70.0			
90	1.0	33.0	1.0	40.0	1.0	47.0	1.0	57.0	1.0	69.0			
96	1.0	33.0	1.0	40.0	1.0	47.0	1.0	57.0	1.0	68.0			
102	1.1	34.0	1.1	40.0	1.1	47.0	1.1	57.0	1.1	67.0			
108	1.2	34.0	1.2	40.0	1.2	47.0	1.2	55.0	1.2	66.0			
114	1.2	34.0	1.2	40.0	1.2	47.0	1.2	55.0	1.2	65.0			
120	1.3	34.0	1.3	40.0	1.3	47.0	1.3	55.0	1.3	64.0			
126	1.4	34.0	1.4	40.0	1.4	47.0	1.4	54.0	1.4	63.0			
132	1.4	34.0	1.4	40.0	1.4	46.0	1.4	54.0	1.4	63.0			
138	1.5	34.0	1.5	40.0	1.5	46.0	1.5	54.0	1.5	62.0			
144	1.5	34.0	1.5	40.0	1.5	46.0	1.5	53.0	1.5	61.0			

**NOTE:**

- The tabulated cover depths shall be measured from the bottom of the bituminous 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-22	
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 CHIEF HIGHWAY ENGINEER DATE
	DESIGN STANDARDS ENGINEER ORIGINALLY APPROVED 1-02-98