

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

Strength Class/D-load Rating

DIAMETER (in.)	Class IV: $P_{0.01} = 2250$				Class IV: $P_{0.01} = 2500$				Class IV: $P_{0.01} = 2750$				Class V: $P_{0.01} = 3000$				Class V: $P_{0.01} = 3250$			
	MIN.		MAX.		MIN.		MAX.		MIN.		MAX.		MIN.		MAX.		MIN.		MAX.	
	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	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	1.0	100.5	1.0	100.5	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	1.0	100.5	1.0	100.5	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	1.0	100.5	1.0	100.5	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	1.0	100.5	1.0	100.5	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	1.0	100.5	1.0	100.5	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	1.0	100.5	1.0	100.5	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	1.0	100.5	1.0	100.5	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	1.0	100.5	1.0	100.5	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	1.0	100.5	1.0	100.5	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	1.0	100.5	1.0	100.5	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	1.0	100.5	1.0	100.5	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	1.0	100.5	1.0	100.5	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	45.0	1.0	45.0	1.0	45.0	1.0	45.0	1.0	45.0	1.0	45.0	1.0	45.0
66	1.0	31.0	1.0	100.0	1.0	46.0	1.0	46.0	1.0	46.0	1.0	46.0	1.0	46.0	1.0	46.0	1.0	46.0	1.0	46.0
72	1.0	32.0	1.0	37.0	1.0	47.0	1.0	47.0	1.0	47.0	1.0	47.0	1.0	47.0	1.0	47.0	1.0	47.0	1.0	47.0
78	1.0	32.0	1.0	39.0	1.0	47.0	1.0	47.0	1.0	47.0	1.0	47.0	1.0	47.0	1.0	47.0	1.0	47.0	1.0	47.0
84	1.0	33.0	1.0	39.0	1.0	47.0	1.0	47.0	1.0	47.0	1.0	47.0	1.0	47.0	1.0	47.0	1.0	47.0	1.0	47.0
90	1.0	33.0	1.0	40.0	1.0	47.0	1.0	47.0	1.0	47.0	1.0	47.0	1.0	47.0	1.0	47.0	1.0	47.0	1.0	47.0
96	1.0	33.0	1.0	40.0	1.0	47.0	1.0	47.0	1.0	47.0	1.0	47.0	1.0	47.0	1.0	47.0	1.0	47.0	1.0	47.0
102	1.1	34.0	1.1	40.0	1.1	47.0	1.1	47.0	1.1	47.0	1.1	47.0	1.1	47.0	1.1	47.0	1.1	47.0	1.1	47.0
108	1.2	34.0	1.2	40.0	1.2	47.0	1.2	47.0	1.2	47.0	1.2	47.0	1.2	47.0	1.2	47.0	1.2	47.0	1.2	47.0
114	1.2	34.0	1.2	40.0	1.2	47.0	1.2	47.0	1.2	47.0	1.2	47.0	1.2	47.0	1.2	47.0	1.2	47.0	1.2	47.0
120	1.3	34.0	1.3	40.0	1.3	47.0	1.3	47.0	1.3	47.0	1.3	47.0	1.3	47.0	1.3	47.0	1.3	47.0	1.3	47.0
126	1.4	34.0	1.4	40.0	1.4	47.0	1.4	47.0	1.4	47.0	1.4	47.0	1.4	47.0	1.4	47.0	1.4	47.0	1.4	47.0
132	1.4	34.0	1.4	40.0	1.4	46.0	1.4	46.0	1.4	46.0	1.4	46.0	1.4	46.0	1.4	46.0	1.4	46.0	1.4	46.0
138	1.5	34.0	1.5	40.0	1.5	46.0	1.5	46.0	1.5	46.0	1.5	46.0	1.5	46.0	1.5	46.0	1.5	46.0	1.5	46.0
144	1.5	34.0	1.5	40.0	1.5	46.0	1.5	46.0	1.5	46.0	1.5	46.0	1.5	46.0	1.5	46.0	1.5	46.0	1.5	46.0

**NOTE:**

1. 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 11-15-98

No. 18095  
REGISTERED PROFESSIONAL ENGINEER  
ANTHONY L. UREMOWICZ

/s/ Anthony L. Uremowicz 11-15-98  
DESIGN STANDARD ENGINEER DATE

/s/ Eugene Zandi 11-15-98  
CHECK ACCOUNTANT DATE

DESIGN STANDARD ENGINEER  
SPECIALLY APPROVED 11-15-98