

**6" x 2" STRUCTURAL PLATE STEEL PIPE (BOLTED)  
HEIGHT OF COVER LIMITS (ft)**


	AREA (sft)	DIAMETER (in.)	THICKNESS (in.)											
			0.111		0.140		0.170							
			MIN.	MAX.	MIN.	MAX.	MIN.	MAX.						
19.6	60	1.0	47.7	1.0	68.8	1.0	90.0							
23.8	66	1.0	43.4	1.0	62.6	1.0	81.8							
28.3	72	1.0	39.8	1.0	57.4	1.0	75.0							
33.2	78	1.0	36.7	1.0	52.9	1.0	69.2							
38.5	84	1.0	34.1	1.0	49.2	1.0	64.2							
44.2	90	1.0	31.8	1.0	45.9	1.0	60.0							
50.3	96	1.0	29.8	1.0	43.0	1.0	56.2							
56.7	102	1.1	28.1	1.1	40.5	1.1	52.9							
63.6	108	1.1	26.5	1.1	38.2	1.1	50.0							
70.9	114	1.2	25.1	1.2	36.2	1.2	47.3							
78.5	120	1.3	23.8	1.3	34.4	1.3	45.0							
86.6	126	1.3	22.7	1.3	32.8	1.3	42.8							
95.0	132	1.4	21.7	1.4	31.3	1.4	40.9							
103.9	138	1.4	20.7	1.4	29.9	1.4	39.1							
113.1	144	1.5	19.9	1.5	28.7	1.5	37.5							
122.7	150	1.6	19.1	1.6	27.5	1.6	36.0							
132.7	156	1.6	18.3	1.6	26.4	1.6	34.6							
143.1	162	1.7	17.6	1.7	25.5	1.7	33.3							
153.9	168	1.8	17.0	1.8	24.6	1.8	32.1							
165.1	174	1.8	16.4	1.8	23.7	1.8	31.0							
176.7	180	1.9	15.9	1.9	22.9	1.9	30.0							
188.7	186	1.9	15.4	1.9	22.2	1.9	29.0							
201.1	192			2.0	21.5	2.0	28.1							
213.8	198			2.1	20.8	2.1	27.2							
227.0	204			2.1	20.2	2.1	26.4							
240.5	210			2.2	19.6	2.2	25.7							
254.5	216					2.3	25.0							
268.8	222					2.3	24.3							
283.5	228					2.4	23.0							
298.6	234					2.4	7.0							
314.2	240													
330.1	246													
346.4	252													

**NOTE:**

1. The tabulated cover depths shall be measured from the bottom of the asphalt or concrete pavement to the top of the pipe.
2. The tabulated plate thickness reflects the required thickness for top and side plates. Refer to 908.09 (a) for the required bottom plate thickness.

INDIANA DEPARTMENT OF TRANSPORTATION  
**PIPE HEIGHT OF  
COVER LIMITS**  
JANUARY 1998  
STANDARD DRAWING NO. **E 717-PHCL-07**

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