150 mm x 50 mm STRUCTURAL PLATE STEEL PIPE (BOLTED)
HEIGHT OF COVER LIMITS (m)

	AREA (m^2)	DIAMETER (mm)	THICKNESS (mm)										
			2.82		3.56		4.32						
			MIN.	MAX.	MIN.	MAX.	MIN.	MAX.					
	1.77	1500	0.30	14.3	0.30	20.7	0.30	27.4					
	2.15	1655	0.30	13.1	0.30	18.9	0.30	24.7					
	2.57	1810	0.30	11.9	0.30	17.4	0.30	22.9					
	3.03	1965	0.30	11.0	0.30	15.8	0.30	21.0					
	3.53	2120	0.30	10.4	0.30	14.9	0.30	19.5					
	4.06	2275	0.30	9.4	0.30	13.7	0.30	18.3					
	4.64	2430	0.30	8.8	0.30	13.1	0.30	17.1					
	5.25	2585	0.34	8.5	0.34	12.2	0.34	15.8					
	5.90	2740	0.37	7.9	0.37	11.6	0.37	15.2					
	6.58	2895	0.37	7.6	0.37	11.0	0.37	14.3					
	7.31	3050	0.40	7.0	0.40	10.4	0.40	13.7					
	8.07	3205	0.43	6.7	0.43	9.8	0.43	12.8					
	8.87	3360	0.43	6.4	0.43	9.4	0.43	12.2					
	9.70	3515	0.46	6.1	0.46	8.8	0.46	11.9					
	10.58	3670	0.46	5.8	0.46	8.5	0.46	11.3					
	11.49	3825	0.49	5.8	0.49	8.2	0.49	11.0					
	12.44	3980	0.52	5.5	0.52	7.9	0.52	10.4					
	13.43	4135	0.52	5.2	0.52	7.6	0.52	10.1					
	14.45	4290	0.55	5.2	0.55	7.3	0.55	9.8					
	15.52	4445	0.58	4.9	0.58	7.0	0.58	9.4					
	16.62	4600	0.58	4.6	0.58	6.7	0.58	9.1					
	17.76	4755	0.61	4.6	0.61	6.7	0.61	8.8					
	18.93	4910			0.61	6.4	0.61	8.5					
	20.15	5065			0.64	6.1	0.64	8.2					
	21.40	5220			0.67	6.1	0.67	7.9					
	22.69	5375			0.67	5.8	0.67	7.6					
	24.02	5530					0.70	7.6					
	25.38	5685					0.73	7.3					
	26.79	5840					0.73	7.0					
	28.23	5995					0.76	7.0					
	29.71	6150											
	31.22	6305											
	32.78	6460											

All dimensions are in mm unless otherwise specified.

NOTE:

1. The tabulated cover depths shall be measured from the bottom of the bituminous 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. **717-PHCL-07**

ANTHONY L. UREMOVICH REGISTERED No. 18095 STATE OF INDIANA PROFESSIONAL ENGINEER

DESIGN STANDARDS ENGINEER

/s/ Anthony L. Uremovich 1-02-98
DESIGN STANDARDS ENGINEER DATE

/s/ Donald W. Lucas 1-02-98
CHIEF HIGHWAY ENGINEER DATE

Source Sheet: NONE