230 mm x 64 mm STRUCTURAL PLATE ALUMINUM ALLOY PIPE-ARCH (STEEL BOLTED)
HEIGHT OF COVER LIMITS (m)

Rc (mm)	SPAN (mm)	RISE (mm)	AREA (m^2)	THICKNESS (mm)									
				2.54		3.18		3.81		4.44		5.08	
				MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.
806	2010	1730	2.7	0.30	7.0	0.30	7.9	0.30	7.9	0.30	7.9	0.30	7.9
806	2110	1750	2.9	0.30	6.7	0.30	7.6	0.30	7.6	0.30	7.6	0.30	7.6
806	2210	1800	3.2	0.34	6.4	0.30	7.3	0.30	7.3	0.30	7.3	0.30	7.3
806	2360	1830	3.3	0.34	6.1	0.30	6.7	0.30	6.7	0.30	6.7	0.30	6.7
806	2460	1850	3.6	0.34	5.8	0.34	6.4	0.34	6.4	0.34	6.4	0.34	6.4
806	2570	1910	3.8	0.34	5.5	0.34	6.1	0.34	6.1	0.34	6.1	0.34	6.1
806	2690	1930	4.1	0.37	5.2	0.34	5.8	0.34	5.8	0.34	5.8	0.34	5.8
806	2820	1960	4.4	0.37	4.9	0.37	5.8	0.37	5.8	0.37	5.8	0.37	5.8
806	2920	1980	4.6	0.40	4.9	0.37	5.5	0.37	5.5	0.37	5.5	0.37	5.5
806	3020	2030	4.8	0.40	4.6	0.40	5.2	0.40	5.2	0.40	5.2	0.40	5.2
806	3120	2060	5.1	0.40	4.6	0.40	5.2	0.40	5.2	0.40	5.2	0.40	5.2
806	3280	2080	5.4	0.43	4.3	0.43	4.9	0.43	4.9	0.43	4.9	0.43	4.9
806	3380	2130	5.7	0.46	4.3	0.43	4.6	0.43	4.6	0.43	4.6	0.43	4.6
806	3480	2160	5.9	0.46	4.0	0.46	4.6	0.46	4.6	0.46	4.6	0.46	4.6
806	3580	2180	6.2	0.46	4.0	0.46	4.3	0.46	4.3	0.46	4.3	0.46	4.3
806	3730	2210	6.5	0.49	3.7	0.49	4.3	0.49	4.3	0.49	4.3	0.49	4.3
806	3840	2260	6.8	0.52	3.4	0.49	4.0	0.49	4.0	0.49	4.0	0.49	4.0
806	3940	2290	7.2	0.52	3.4	0.52	4.0	0.52	4.0	0.52	4.0	0.52	4.0
806	3990	2490	7.7	0.52	3.4	0.52	4.0	0.52	4.0	0.52	4.0	0.52	4.0
806	3990	2540	8.0	0.52	3.4	0.52	4.0	0.52	4.0	0.52	4.0	0.52	4.0
806	4240	2570	8.4	0.58	3.0	0.55	3.7	0.55	3.7	0.55	3.7	0.55	3.7
806	4270	2620	8.7	0.58	3.0	0.55	3.4	0.55	3.4	0.55	3.4	0.55	3.4
806	4240	2870	9.4	0.58	3.0	0.55	3.7	0.55	3.7	0.55	3.7	0.55	3.7
806	4340	2920	9.8	0.58	3.0	0.55	3.4	0.55	3.4	0.55	3.4	0.55	3.4
806	4470	2950	10.1			0.58	3.4	0.58	3.4	0.58	3.4	0.58	3.4
806	4550	3000	10.6			0.58	3.4	0.58	3.4	0.58	3.4	0.58	3.4

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. A specific design shall be performed for structures with corner radii other than those tabulated above to determine the appropriate cover depth limits.

All dimensions are in mm unless otherwise specified.

INDIANA DEPARTMENT OF TRANSPORTATION

PIPE HEIGHT OF COVER LIMITS

JANUARY 1998

STANDARD DRAWING NO. **717-PHCL-03**

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