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	4670	3050	11.0			0.61	3.0	0.61	3.0	0.61	3.0	0.61	3.0
806	4750	3100	11.4			0.61	3.0	0.61	3.0	0.61	3.0	0.61	3.0
806	4900	3150	11.8			0.64	3.0	0.64	3.0	0.64	3.0	0.64	3.0
806	4980	3200	12.3					0.64	2.7	0.64	2.7	0.64	2.7
806	5110	3250	12.6					0.64	2.7	0.64	2.7	0.64	2.7
806	5180	3300	13.1					0.67	2.7	0.67	2.7	0.67	2.7
806	5260	3350	13.6					0.67	2.7	0.67	2.7	0.67	2.7
806	5410	3400	14.0							0.70	2.4	0.70	2.4
806	5490	3450	14.5							0.70	2.4	0.70	2.4
806	5610	3510	15.0							0.70	2.4	0.70	2.4
806	5690	3560	15.5							0.73	2.4	0.73	2.4
806	5840	3580	16.0									0.73	2.4
806	5920	3630	16.4									0.76	2.1
806	6050	3680	16.9									0.76	2.1
806	6120	3730	17.5									0.79	2.1
806	6120	3810	18.0										
806	6350	3840	18.5										
806	6430	3890	19.0										
806	6550	3940	19.6										
1194	6120	4240	20.1										
1194	6270	4340	20.8										
1194	6530	4450	22.4										
1194	6680	4550	23.6										
1194	6910	4650	24.8										

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-05**

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