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

Rc (mm)	SPAN (mm)	RISE (mm)	AREA (m^2)	THICKNESS (mm)									
				2.82		3.56 thru 7.11							
				MIN.	MAX.	MIN.	MAX.						
787	4670	3150	11.4	0.61	3.0	0.61	3.0						
787	4750	3200	11.8	0.61	3.0	0.61	3.0						
787	4830	3250	12.3	0.61	3.0	0.61	3.0						
787	4950	3300	12.7	0.64	2.7	0.64	2.7						
787	5030	3350	13.2	0.64	2.7	0.64	2.7						
787	5180	3400	13.6	0.67	2.7	0.67	2.7						
787	5230	3450	14.0	0.67	2.7	0.67	2.7						
787	5310	3510	14.6	0.67	2.4	0.67	2.4						
787	5460	3560	15.0	0.70	2.4	0.70	2.4						
787	5570	3610	15.5	0.70	2.4	0.70	2.4						
787	5660	3660	16.0	0.73	2.4	0.73	2.4						
787	5720	3710	16.4	0.73	2.4	0.73	2.4						
787	5870	3760	16.9			0.76	2.1						
787	5940	3810	17.5			0.76	2.1						
787	5990	3860	18.0			0.76	2.1						
787	6070	3910	18.6			0.76	2.1						
787	6220	3960	19.0			0.79	2.1						
787	6270	4010	19.6			0.79	2.1						

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.
3. The tabulated plate thickness reflects the required thickness for top and side plates. Refer to 908.09 (a) for the required bottom plate thickness.

All dimensions are in mm unless otherwise specified.

INDIANA DEPARTMENT OF TRANSPORTATION

PIPE HEIGHT OF COVER LIMITS

JANUARY 1998

STANDARD DRAWING NO. **717-PHCL-10**

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