75 mm x 25 mm CORRUGATED STEEL PIPE-ARCH (RIVETED OR LOCK SEAM)
HEIGHT OF COVER LIMITS (m)

Rc (mm)	SPAN (mm)	RISE (mm)	AREA (m^2)	THICKNESS (mm)									
				1.63		2.01		2.77		3.51		4.27	
				MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.
205/475	1520	1170	1.45			0.34	6.3	0.34	6.3	0.34	6.3	0.34	6.3
230/525	1670	1300	1.79			0.34	6.4	0.34	6.4	0.34	6.4	0.34	6.4
305/580	1850	1400	2.16			0.34	6.3	0.34	6.3	0.34	6.3	0.34	6.3
355/530	2050	1500	2.55			0.37	5.2	0.37	5.2	0.37	5.2	0.37	5.2
355/575	2200	1620	2.98			0.37	5.3	0.37	5.3	0.37	5.3	0.37	5.3
410/620	2400	1720	3.44			0.37	5.2	0.37	5.2	0.37	5.2	0.37	5.2
410/665	2600	1820	3.94					0.37	5.2	0.37	5.2	0.37	5.2
460/705	2840	1920	4.46					0.40	5.0	0.40	5.0	0.40	5.0
460/750	2970	2020	5.04					0.37	5.1	0.37	5.1	0.37	5.1
460/795	3240	2120	5.62							0.40	4.9	0.40	4.9
460/840	3470	2220	6.26							0.40	4.9	0.40	4.9
460/885	3600	2320	6.92									0.40	5.0

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. Dual entries in the "Corner Radius" column, such as 205/475, represent the following:
   205 - minimum corner radius allowed by AASHTO M 36M.
   475 - corner radius typically available.

3. The tabulated cover heights reflect pipe-arches with typically available corner radii. If a pipe-arch with corner radii other than what is typically available is to be used, a specific design shall be performed to verify structural adequacy.

All dimensions are in mm unless otherwise specified.

INDIANA DEPARTMENT OF TRANSPORTATION

PIPE HEIGHT OF COVER LIMITS

JANUARY 1998

STANDARD DRAWING NO. **715-PHCL-14**

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