

**REQUIREMENTS FOR CORRUGATED STEEL PIPE THICKNESS
AND PROTECTION AT NON-ABRASIVE SITES**

pH	≤ 4.0	4.5	5.0	5.5	6.0	6.5	≥ 7.0	Steel Conduit Type	
Thickness required for 50 year Design Service Life				4.27	4.27	3.51	2.77	Zinc Coated Corrugated Steel Pipe Zinc Coated Corrugated Steel Pipe-Arch	
				3.51	2.77	2.77	2.01	1.63	Zinc Coated Corrugated Steel Pipe w/Paved Invert Zinc Coated Corrugated Steel Pipe-Arch w/Paved Invert Fully Bituminous Coated and Lined Corrugated Steel Pipe Fully Bituminous Coated and Lined Corrugated Steel Pipe-Arch
				3.51	2.77	2.77	2.01	1.63	Aluminum Coated Type 2 Corrugated Steel Pipe Aluminum Coated Type 2 Corrugated Steel Pipe-Arch
	2.77	2.77	2.01	1.63	1.63	1.63	1.63	Polymer Precoated Galvanized Corrugated Steel Pipe Polymer Precoated Galvanized Corrugated Steel Pipe-Arch Fiber Bonded Bituminous Coated Corrugated Steel Pipe Fiber Bonded Bituminous Coated Corrugated Steel Pipe-Arch	
	2.82*	2.82*	2.82*	4.32	2.82	2.82	2.82	Structural Plate Steel Pipe Structural Plate Steel Pipe-Arch	

* – Concrete field paving required

pH	≤ 4.0	4.5	5.0	5.5	6.0	6.5	≥ 7.0	Steel Conduit Type	
Thickness required for 75 year Design Service Life						4.27	3.51	Zinc Coated Corrugated Steel Pipe Zinc Coated Corrugated Steel Pipe-Arch	
					4.27	4.27	3.51	2.77	Zinc Coated Corrugated Steel Pipe w/Paved Invert Zinc Coated Corrugated Steel Pipe-Arch w/Paved Invert Fully Bituminous Coated and Lined Corrugated Steel Pipe Fully Bituminous Coated and Lined Corrugated Steel Pipe-Arch
					4.27	4.27	3.51	2.77	Aluminum Coated Type 2 Corrugated Steel Pipe Aluminum Coated Type 2 Corrugated Steel Pipe-Arch
	4.27	4.27	4.27	3.51	3.51	2.77	2.77	Polymer Precoated Galvanized Corrugated Steel Pipe Polymer Precoated Galvanized Corrugated Steel Pipe-Arch Fiber Bonded Bituminous Coated Corrugated Steel Pipe Fiber Bonded Bituminous Coated Corrugated Steel Pipe-Arch	
	2.82*	2.82*	2.82*	5.54	2.82	2.82	2.82	Structural Plate Steel Pipe Structural Plate Steel Pipe-Arch	

* – Concrete field paving required
Refer to Standard Drawing 715-PSLC-03 for General Notes.

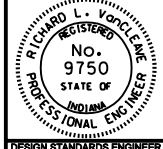
All Dimension are in mm unless otherwise specified

INDIANA DEPARTMENT OF TRANSPORTATION

**PIPE SERVICE
LIFE CRITERIA**

SEPTEMBER 2002

STANDARD DRAWING NO. 715-PSLC-01

	<i>/s/ Richard L. VanCleave</i>	9-03-02
	DESIGN STANDARDS ENGINEER	DATE
	<i>/s/ Richard K. Smutzer</i>	9-03-02
DESIGN STANDARDS ENGINEER	CHIEF HIGHWAY ENGINEER	DATE