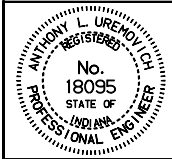


**REQUIREMENTS FOR CORRUGATED STEEL PIPE THICKNESS
AND PROTECTION AT ABRASIVE SITES**

pH	≤4.0	4.5	5.0	5.5	6.0	6.5	≥7.0	Steel Conduit Type
Thickness (in.) required for 50 year Design Service Life				0.168	0.168	0.138	0.109	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
			0.138	0.109	0.109	0.079	0.064	Aluminum Coated Type 2 Corrugated Steel Pipe w/Paved Invert Aluminum Coated Type 2 Corrugated Steel Pipe-Arch w/Paved Invert Polymer Precoated Galvanized Corrugated Steel Pipe w/Paved Invert Polymer Precoated Galvanized Corrugated Steel Pipe-Arch w/Paved Invert
	0.109	0.109	0.079	0.064	0.064	0.064	0.064	Fiber Bonded Bituminous Coated Corrugated Steel Pipe w/Paved Invert Fiber Bonded Bituminous Coated Corrugated Steel Pipe-Arch w/Paved Invert
				0.170	0.111	0.111	0.111	Structural Plate Steel Pipe w/Concrete Field Paving Structural Plate Steel Pipe-Arch w/Concrete Field Paving

pH	≤4.0	4.5	5.0	5.5	6.0	6.5	≥7.0	Steel Conduit Type
Thickness (in.) required for 75 year Design Service Life						0.168	0.138	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
				0.168	0.168	0.138	0.109	Aluminum Coated Type 2 Corrugated Steel Pipe w/Paved Invert Aluminum Coated Type 2 Corrugated Steel Pipe-Arch w/Paved Invert Polymer Precoated Galvanized Corrugated Steel Pipe w/Paved Invert Polymer Precoated Galvanized Corrugated Steel Pipe-Arch w/Paved Invert
	0.168	0.168	0.168	0.138	0.138	0.109	0.109	Fiber Bonded Bituminous Coated Corrugated Steel Pipe w/Paved Invert Fiber Bonded Bituminous Coated Corrugated Steel Pipe-Arch w/Paved Invert
				0.218	0.111	0.111	0.111	Structural Plate Steel Pipe w/Concrete Field Paving Structural Plate Steel Pipe-Arch w/Concrete Field Paving

Refer to Standard Drawing E 715-PSLC-03 for General Notes.

INDIANA DEPARTMENT OF TRANSPORTATION	
PIPE SERVICE LIFE CRITERIA	
JANUARY 1998	
STANDARD DRAWING NO. E 715-PSLC-02	
	DETAILS PLACED IN THIS FORMAT 11-15-99 /s/ Anthony L. Uremovich 11-15-99 DESIGN STANDARDS ENGINEER DATE /s/ Firooz Zandi 11-15-99 CHIEF HIGHWAY ENGINEER DATE DESIGN STANDARDS ENGINEER ORIGINALLY APPROVED 1-02-98