

MATERIAL	PIPE TYPE				
	1	2	3	4	5
Non-Reinforced Concrete Pipe				X	
Non-Reinforced Concrete Pipe, Class 3 (S)	X	X	X		
Reinforced Concrete Pipe (S)	X	X	X		
Reinforced Concrete Horizontal Elliptical Pipe (S)	X	X	X		
Corrugated Steel Pipe (C)	X		X		X
Corrugated Steel Pipe-Arch (C)	X		X		X
Polymer Precoated Galvanized Corrugated Steel Pipe (C)	X		X		X
Polymer Precoated Galvanized Corrugated Steel Pipe Type 1A (S)	X	X	X		X
Fully Bituminous Coated and Lined Corrugated Steel Pipe (S)		X			X
Polymer Precoated Galvanized Corr. Steel Pipe Arch Type IIA (S)	X	X	X		X
Fully Bituminous Coated and Lined Corrugated Steel Pipe-Arch (S)		X			X
Corrugated Aluminum Alloy Pipe (C)	X		X		X
Corrugated Aluminum Alloy Pipe-Arch (C)	X		X		X
Structural Plate Steel Pipe (C)	X		X		
Polymer Precoated Galvanized Corrugated Steel Pipe-Arch (C)	X		X		X

MATERIAL	PIPE TYPE				
	1	2	3	4	5
Structural Plate Steel Pipe-Arch (C)	X		X		
Structural Plate Aluminum Alloy Pipe (C)	X		X		
Structural Plate Aluminum Alloy Pipe-Arch (C)	X		X		
Clay Pipe, Extra Strength (S)	X	X	X		
Clay Pipe				X	
Perforated Clay Pipe				X	
Corrugated Polyethylene Pipe, Type SP				X	
Corrugated Polyethylene Pipe, Type (S)	X	X	X	X	X
Ribbed Polyethylene Pipe (S)	X	X	X		X
Smooth Wall Polyethylene Pipe (S)	X	X	X		X
Corrugated Polyethylene Drainage Tubing				X	
Perforated PVC Semicircular Pipe				X	
Profile Wall PVC Pipe (S)	X	X	X	X	X
Smooth Wall PVC Pipe (S)	X	X	X		X
Concrete Drain Tile				X	
Clay Drain Tile				X	

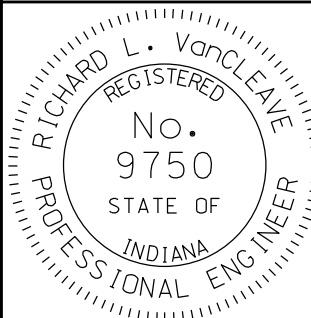
**GENERAL NOTES**

- The prescribed uses for the pipe types are as follows:
  - Type 1 Pipe - Culverts under mainline pavement and public road approaches.
  - Type 2 Pipe - Storm sewer pipe.
  - Type 3 Pipe - Culverts under driveways and field entrances.
  - Type 4 Pipe - Drain tile and longitudinal underdrains.
  - Type 5 Pipe - Broken back and other installations requiring coupled pipe.
- Refer to Standard Drawings E 715-PHCL-01 through E 715-PHCL-23 and E 717-PHCL-01 through E 717-PHCL-10 for allowable heights of cover for various pipe materials (except Type 4 pipes).

- Refer to Standard Drawings E 715-PSLC-01 through E 715-PSLC-03 for required pipe service life criteria.
- Any pipe material which is in accordance with the designated pipe type, acceptable for cover conditions, and conforms to service life criteria may be installed.

**LEGEND**

- (C)- Corrugated Interior Culvert Pipe.  
 (S)- Smooth Interior Culvert or Storm Sewer Pipe.

INDIANA DEPARTMENT OF TRANSPORTATION	
PIPE CLASSIFICATION TABLES	
SEPTEMBER 2010	
STANDARD DRAWING NO.	E 715-PIPE-01
	<i>/s/ Richard L. VanCleave</i> 09/01/10 DESIGN STANDARDS ENGINEER      DATE
DESIGN STANDARDS ENGINEER	<i>/s/ Mark A. Miller</i> 09/01/10 CHIEF HIGHWAY ENGINEER      DATE