

PIPE DIA. (IN)	PIPE TYPE	CIRCULAR PIPE COVER HEIGHTS IN FEET (3)																													
		2-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-55	55-60	60-65	65-70	70-75	75-80	80-85	85-90	90-95	95-100	100-105	105-110	110-115	115-120						
48	2 2/3" x 1/2" CSPHS (1)	14 GA.						12 GA.						10 GA.																	
	2 2/3" x 1/2" CSPLS (1)	14 GA.												12 GA.																	
	2 2/3" x 1/2" CAPHS	12 GA.						10 GA.						8 GA.																	
	SRS (1)	14 GA.						12 GA.																							
	SRA	12 GA.						10 GA.																							
	PVC	RIBBED (PROFILE WALL)																													
	HDPE																														
	RCP (9)																														
54	2 2/3" x 1/2" CSPHS (1)	14 GA.						12 GA.						10 GA.																	
	2 2/3" x 1/2" CSPLS (1)	14 GA.												12 GA.																	
	3" x 1" CSPHS (1)	14 GA.						12 GA.						10 GA.																	
	3" x 1" CSPLS (1)	14 GA.						12 GA.						10 GA.												8 GA.					
	5" x 1" CSPHS (1)	14 GA.						12 GA.						10 GA.												8 GA.					
	2 2/3" x 1/2" CAPHS	12 GA.						10 GA.						8 GA.																	
	3" x 1" CAPHS	14 GA.						12 GA.						10 GA.												8 GA.					
	SRS (1)	14 GA.						12 GA.						10 GA.												8 GA.					
SRA	12 GA.						10 GA.																								
RCP (9)																															
(7)																															
		2-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-55	55-60	60-65	65-70	70-75	75-80	80-85	85-90	90-95	95-100	100-105	105-110	110-115	115-120						

~ NOTES ~

- ① GAGES FOR CORRUGATED STEEL PIPE ITEMS SHOWN ARE BASED ON ALUMINUM-COATED TYPE 2 STEEL AS PER AASHTO M-274. ALUMINUM COATED TYPE 2 STEEL IS ONLY PERMITTED IN Ph RANGES OF 5 TO 9.
2. WHEN CORRUGATED STEEL PIPE IS ZINC COATED (GALVANIZED) THE GAGE SHALL BE ONE GAGE HEAVIER THAN SHOWN IN THE TABLES.
- ③ SEE CUR. STD. DWG. [RDI-001](#) FOR EXPLANATION OF COVER HEIGHTS LESS THAN 2 FEET.
4. CSP, CAP, SRS AND SRA ARE SHOWN IN GAGE.
5. MAXIMUM COVER HEIGHT MEASURED FROM TOP OF PIPE TO SUBGRADE ELEVATION SHALL GOVERN GAGE OF PIPE TO BE USED FOR ENTIRE LENGTH OF PIPE INSTALLATION.
6. ALL CIRCULAR STRUCTURAL PLATE SHALL BE 5% VERTICALLY ELONGATED.
- ⑦ 54" DIA. PIPE IS MINIMUM SIZE FOR COVER HEIGHTS GREATER THAN 65 FEET.
8. SEE CUR. STD. DWG. [RDI-035](#) FOR COATINGS, LININGS AND PAVINGS FOR NON-STRUCTURAL PIPE.
- ⑨ SEE CUR. STD. DWGS. [RDI-021](#) AND [RDI-026](#) FOR RCP COVER HEIGHT AND BEDDING REQUIREMENTS.

LEGEND

- CSPHS: CORRUGATED STEEL PIPE WITH HELICAL LOCK SEAM OR HELICAL WELDED SEAM (HELICAL CORR.)  
 CSPLS: CORRUGATED STEEL PIPE WITH LONGITUDINAL RIVETED OR SPOT WELDED SEAM (ANNULAR CORR.)  
 CAPHS: CORRUGATED ALUMINUM ALLOY PIPE WITH HELICAL LOCK SEAM (HELICAL CORR.)  
 HDPE: HIGH DENSITY POLYETHYLENE PIPE  
 PVC: POLYVINYL CHLORIDE  
 SRS: SPIRAL RIB STEEL  
 SRA: SPIRAL RIB ALUMINUM  
 RCP: CIRCULAR REINFORCED CONCRETE PIPE

USE WITH CUR. STD. DWGS.  
[RDI-001](#) [RDI-021](#) [RDI-026](#)  
[RDI-035](#)

<b>KENTUCKY</b>	
<b>DEPARTMENT OF HIGHWAYS</b>	
<b>CULVERT AND STORM SEWER PIPE TYPES AND COVER HEIGHTS</b>	
STANDARD DRAWING NO. <a href="#">RDI-003-05</a>	
SUBMITTED  DIRECTOR, BUREAU OF DESIGN	12-01-15 DATE
APPROVED  STATE HIGHWAY ENGINEER	12-01-15 DATE