

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 7/8" x 1/2" CSPHS (1)	14 GA.				12 GA.				10 GA.																							
	2 7/8" x 1/2" CSPLS (1)	14 GA.				12 GA.				10 GA.																							
	2 7/8" x 1/2" CAPHS (1)	12 GA.				10 GA.				8 GA.																							
	SRS (1)	14 GA.				12 GA.				10 GA.																							
	SRA	12 GA.				10 GA.																											
	PVC	RIBBED (PROFILE WALL)																															
	HDPE																																
RCP (9)																																	
54	2 7/8" x 1/2" CSPHS (1)	14 GA.				12 GA.				10 GA.																							
	2 7/8" x 1/2" CSPLS (1)	14 GA.				12 GA.				10 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 7/8" x 1/2" CAPHS (1)	12 GA.				10 GA.				8 GA.																							
	3" x 1" CAPHS (1)	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)																																	

<p style="text-align: center;">NOTES</p> <ol style="list-style-type: none"> 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 CURRENT STANDARD DRAWING 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 CURRENT STANDARD DRAWING RDI-035 FOR COATINGS, LININGS AND PAVINGS FOR NON-STRUCTURAL PIPE. ⑨ SEE STANDARD DRAWING RDI-021 AND STANDARD DRAWING RDI-026 FOR RCP COVER HEIGHT AND BEDDING REQUIREMENTS. 	<p style="text-align: center;">LEGEND</p> <p>CSPHS: CORRUGATED STEEL PIPE WITH HELICAL LOCK SEAM OR HELICAL WELDED SEAM (HELICAL CORR.)</p> <p>CSPLS: CORRUGATED STEEL PIPE WITH LONGITUDINAL RIVETED OR SPOT WELDED SEAM (ANNULAR CORR.)</p> <p>CAPHS: CORRUGATED ALUMINUM ALLOY PIPE WITH HELICAL LOCK SEAM (HELICAL CORR.)</p> <p>HDPE: HIGH DENSITY POLYETHYLENE PIPE</p> <p>PVC: POLYVINYL CHLORIDE</p> <p>SRS: SPIRAL RIB STEEL</p> <p>SRA: SPIRAL RIB ALUMINUM</p> <p>RCP: CIRCULAR REINFORCED CONCRETE PIPE</p> <p style="text-align: right;">48" PIPE - 54" PIPE</p>
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KENTUCKY
DEPARTMENT OF HIGHWAYS

**CULVERT &
STORM SEWER PIPE TYPES
& COVER HEIGHTS**

STANDARD DRAWING NO. RDI-003-04

SUBMITTED	[Signature]	12-2-11
DATE		DATE
APPROVED	[Signature]	12-2-11
DATE		DATE