

PIPE DIA. (IN)	PIPE TYPE	CIRCULAR PIPE COVER HEIGHTS IN FEET						PIPE DIA. (IN)	PIPE TYPE	CIRCULAR PIPE COVER HEIGHTS IN FEET														
		2-5	5-10	10-15	15-20	20-25	25-30			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		
12 & 15	2 2/3" x 1/2" CSPHS (1)	16 GA.						21	2 2/3" x 1/2" CSPHS (1)	16 GA.														
	2 2/3" x 1/2" CSPLS (1)	16 GA.							2 2/3" x 1/2" CSPLS (1)	16 GA.														10 GA.
	2 2/3" x 1/2" CAPHS	16 GA.							2 2/3" x 1/2" CAPHS	16 GA.														
	PVC	SMOOTH WALL (SOLID WALL)							SRS (1)	16 GA.														
	HDPE					FF			SRA	16 GA.				14 GA.										
	RCP (11)								PVC	RIBBED (PROFILE WALL)														
18	2 2/3" x 1/2" CSPHS (1)							16 GA.						24	2 2/3" x 1/2" CSPHS (1)	16 GA.						14 GA.		
	2 2/3" x 1/2" CSPLS (1)							16 GA.							2 2/3" x 1/2" CSPLS (1)	16 GA.				10 GA.		12 GA.		
	2 2/3" x 1/2" CAPHS							16 GA.							2 2/3" x 1/2" CAPHS	16 GA.				14 GA.		12 GA.		
	SRS (1)							16 GA.							SRS (1)	16 GA.				14 GA.		12 GA.		
	SRA							16 GA.							SRA	16 GA.		14 GA.		12 GA.		10 GA.		
	PVC	RIBBED (PROFILE WALL)						PVC	RIBBED (PROFILE WALL)															
HDPE					FF		HDPE					FF												
RCP (11)							RCP (11)																	
							2-5							5-10	10-15	15-20	20-25	25-30		2-5	5-10	10-15	15-20	20-25

~ 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. CSP, CAP, SRS AND SRA ARE SHOWN IN GAGE.
4. MAXIMUM COVER HEIGHT IS MEASURED FROM THE TOP OF PIPE TO SUBGRADE ELEVATION SHALL GOVERN GAGE OF PIPE TO BE USED FOR THE ENTIRE LENGTH OF PIPE INSTALLATION.
5. MINIMUM COVER HEIGHTS FOR PIPE SHALL BE 2 FEET. GAGE OF PIPE FOR COVER HEIGHTS LESS THAN 2 FEET SHALL BE THAT SHOWN FOR COVER HEIGHTS OF 30 FEET (SEE STD. SPECIFICATIONS FOR BACKFILL). HDPE AND PVC SHALL NOT BE PERMITTED FOR COVER HEIGHTS LESS THAN 2 FEET.
- ⑥ 24" DIA. PIPE IS MINIMUM SIZE FOR COVER HEIGHTS FROM 30 FEET TO 65 FEET.
7. MINIMUM COVER HEIGHT FOR ENTRANCE PIPE SHALL BE 0.5 FEET.
8. GAGE OF ENTRANCE PIPE FOR COVER HEIGHTS LESS THAN 2 FEET SHALL MEET THE FOLLOWING REQUIREMENTS:
 - a. GAGE OF CSP SHALL BE THAT SHOWN FOR HEIGHTS OF 30 FEET.
 - b. GAGE OF CAP SHALL BE ONE GAGE HEAVIER THAN SHOWN IN THE TABLE.
9. ALL CIRCULAR STRUCTURAL PLATE SHALL BE 5% VERTICALLY ELONGATED.
10. SEE CUR. STD. DWG. [RDI-035](#) FOR COATINGS, LININGS AND PAVINGS FOR NON-STRUCTURAL PIPE.
- ⑪ 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
- FF: FLOWABLE FILL REQUIRED

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

KENTUCKY	
DEPARTMENT OF HIGHWAYS	
CULVERT, ENTRANCE & STORM SEWER PIPE TYPES & COVER HEIGHTS	
STANDARD DRAWING NO. RDI-001-10	
SUBMITTED <i>William P. Gullett</i>	DATE 12-01-15
DIRECTOR, DIVISION OF DESIGN	
APPROVED <i>[Signature]</i>	DATE 12-01-15
STATE HIGHWAY ENGINEER	

12" PIPE - 24" PIPE