

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	
27 & 30 ⑧	2 2/3" x 1/2" CSPHS ^①	16 GA.				14 GA.				12 GA.				10 GA.	
	2 2/3" x 1/2" CSPLS ^①	16 GA.				12 GA.				10 GA.				8 GA.	
	2 2/3" x 1/2" CAPHS	14 GA.				12 GA.				10 GA.				8 GA.	
	SRS ^①	16 GA.				14 GA.				12 GA.				10 GA.	
	SRA	16 GA.				14 GA.				12 GA.				10 GA.	
	PVC	RIBBED (PROFILE WALL)													
	HDPE	FF													
	RCP ^⑩	/													
36	2 2/3" x 1/2" CSPHS ^①	14 GA.				12 GA.				10 GA.				8 GA.	
	2 2/3" x 1/2" CSPLS ^①	14 GA.				12 GA.				10 GA.				8 GA.	
	2 2/3" x 1/2" CAPHS	14 GA.				12 GA.				10 GA.				8 GA.	
	SRS ^①	14 GA.				12 GA.				10 GA.				8 GA.	
	SRA	14 GA.				12 GA.				10 GA.				8 GA.	
	PVC	RIBBED (PROFILE WALL)													
	HDPE	FF													
	RCP ^⑩	/													
42	2 2/3" x 1/2" CSPHS ^①	14 GA.				12 GA.				10 GA.				8 GA.	
	2 2/3" x 1/2" CSPLS ^①	14 GA.				12 GA.				10 GA.				8 GA.	
	2 2/3" x 1/2" CAPHS	12 GA.				10 GA.				8 GA.				6 GA.	
	SRS ^①	14 GA.				12 GA.				10 GA.				8 GA.	
	SRA	12 GA.				10 GA.				8 GA.				6 GA.	
	PVC	RIBBED (PROFILE WALL)													
	HDPE	FF													
	RCP ^⑩	/													

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

NOTES CONTINUED

- ⑩ SEE DETAIL SHEET "PIPE BEDDING FOR CULVERTS, ENTRANCE, AND STORM SEWER REINFORCED CONC. PIPE" AND DETAIL SHEET "PIPE BEDDING TRENCH CONDITION REINFORCED CONC. PIPE" FOR RCP COVER HEIGHT AND BEDDING REQUIREMENTS.

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 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 SUB GRADE ELEVATION SHALL GOVERN GAGE OF PIPE TO BE USED FOR ENTIRE LENGTH OF PIPE INSTALLATION.
- 6. MINIMUM COVER HEIGHT FOR ENTRANCE PIPE SHALL BE 0.5 FEET.
- 7. ALL CIRCULAR STRUCTURAL PLATE SHALL BE 5% VERTICALLY ELONGATED.
- ⑧ ENTRANCE PIPE GREATER THAN 30" DIA. SHALL BE CULVERT PIPE.
- 9. SEE CURRENT STANDARD DRAWING RDI-035 FOR COATINGS, LININGS AND PAVINGS FOR NON-STRUCTURAL PIPE.

27" PIPE - 42" PIPE

KENTUCKY	
DEPARTMENT OF HIGHWAYS	
CULVERT, ENTRANCE & STORM SEWER PIPE TYPES & COVER HEIGHTS	
STANDARD DRAWING NO. RDI-002-04	
SUBMITTED: <i>[Signature]</i>	12-2-11
DIRECTOR, DIVISION OF DESIGN	DATE
APPROVED: <i>[Signature]</i>	12-2-11
STATE HIGHWAY ENGINEER	DATE