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

PIPE DIA. (IN)	PIPE TYPE	CIRCULAR PIPE COVER HEIGHTS IN FEET											
		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
21	$2\frac{2}{3}$" x $\frac{1}{2}$" CSPHS (1)	16 GA.												
	$2\frac{2}{3}$" x $\frac{1}{2}$" CSPLS (1)	16 GA.					10 GA.							
	$2\frac{2}{3}$" x $\frac{1}{2}$" CAPHS	16 GA.												
	SRS (1)	16 GA.												
	SRA	16 GA.				14 GA.								
	PVC	RIBBED (PROFILE WALL)												
	HDPE					FF								
	RCP (11)													
24 (6)	$2\frac{2}{3}$" x $\frac{1}{2}$" CSPHS (1)	16 GA.											14 GA.	
	$2\frac{2}{3}$" x $\frac{1}{2}$" CSPLS (1)	16 GA.				10 GA.								
	$2\frac{2}{3}$" x $\frac{1}{2}$" CAPHS	16 GA.								14 GA.			12 GA.	
	SRS (1)	16 GA.							14 GA.				12 GA.	
	SRA	16 GA.				14 GA.		12 GA.				10 GA.		
	PVC	RIBBED (PROFILE WALL)												
	HDPE					FF								
	RCP (11)													
		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

~ 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

12" PIPE - 24" PIPE

USE WITH CUR. STD. DWGS.
RDI-021 RDI-026 RDI-035

KENTUCKY
DEPARTMENT OF HIGHWAYS

CULVERT AND STORM SEWER PIPE TYPES AND COVER HEIGHTS

STANDARD DRAWING NO. RDI-001-10

SUBMITTED _____ DIRECTOR, DIVISION OF DESIGN 12-01-15 DATE

APPROVED _____ STATE HIGHWAY ENGINEER 12-01-15 DATE