

EQUI. PIPE DIA. (IN)	PIPE TYPE	NON-CIRCULAR PIPE COVER HEIGHTS IN FEET ④					
		2 - 5	6	7	8	9	10
66	③ CSPA ①	14 GA.					
	6"x2" CSPA ①	12 GA.					
	3"x1" CAPA	14 GA.					
	RCHEP ①						
72	③ CSPA ①	14 GA.					
	6"x2" CSPA ①	12 GA.					
	3"x1" CAPA	12 GA.					
	RCHEP ①						
78	③ CSPA ①	12 GA.					
	6"x2" CSPA ①	12 GA.					
	3"x1" CAPA	12 GA.					
	9"x2½" CAPAASB	12 GA.					
	RCHEP ①						
		2 - 5	6	7	8	9	10

EQUI. PIPE DIA. (IN)	PIPE TYPE	NON-CIRCULAR PIPE COVER HEIGHTS IN FEET ④					
		2 - 5	6	7	8	9	10
84	③ CSPA ①	12 GA.					
	6"x2" CSPA ①	12 GA.					
	3"x1" CAPA	12 GA.					
	9"x2½" CAPAASB	12 GA.					
	RCHEP ①						
90	③ CSPA ①	12 GA.					
	6"x2" CSPA ①	12 GA.					
	3"x1" CAPA	10 GA.					
	9"x2½" CAPAASB	12 GA.					
	RCHEP ①						
96	③ CSPA ①	12 GA.					
	6"x2" CSPA ①	12 GA.					
	3"x1" CAPA	8 GA.					
	9"x2½" CAPAASB	12 GA.					
	RCHEP ①						
		2 - 5	6	7	8	9	10

EQUI. PIPE DIA. (IN)	PIPE TYPE	NON-CIRCULAR PIPE COVER HEIGHTS IN FEET ④					
		2 - 5	6	7	8	9	10
102	③ CSPA ①	12 GA.					
	6"x2" CSPA ①	12 GA.					
	3"x1" CAPA	8 GA.					
	9"x2½" CAPAASB	12 GA.					
	RCHEP ①						
108	③ CSPA ①	10 GA.					
	6"x2" CSPA ①	12 GA.					
	9"x2½" CAPAASB	12 GA.					
	RCHEP ①						
114	③ CSPA ①	10 GA.					
	6"x2" CSPA ①	12 GA.					
	9"x2½" CAPAASB	12 GA.					
	RCHEP ①						
120	6"x2" CSPA ①	12 GA.					
	9"x2½" CAPAASB	12 GA.					
	RCHEP ①						
		2 - 5	6	7	8	9	10

~ 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 3" x 1" OR 5" x 1"
- ④ SEE CUR. STD. DWG. RDI-011 FOR EXPLANATION OF COVER HEIGHTS LESS THAN 2 FEET.
5. CSPA AND CAPA ARE SHOWN IN GAGE.
6. MAXIMUM COVER HEIGHT FROM TOP OF PIPE TO SUBGRADE ELEVATION SHALL GOVERN GAGE OF PIPE TO BE USED FOR ENTIRE LENGTH OF PIPE INSTALLATION.
7. MAXIMUM COVER HEIGHT FOR NON-CIRCULAR PIPE IS 10 FEET. NON-CIRCULAR PIPE SHALL ONLY BE USED WHERE COVER LIMITATIONS EXIST.
8. NON-CIRCULAR CMP HAVING AN EQUIVALENT ROUND DIAMETER GREATER THAN 84" SHALL BE SUPPLIED AS STRUCTURAL PLATE.
9. SEE CUR. STD. DWG. RDI-016 FOR NON-CIRCULAR PIPE ALTERNATES.
10. SEE CUR. STD. DWG. RDI-035 FOR COATINGS, LININGS AND PAVINGS FOR NON-STRUCTURAL PIPE.
- ① SEE CUR. STD. DWGS. RDI-021 AND RDI-026 FOR RCHEP COVER HEIGHT AND BEDDING REQUIREMENTS.

LEGEND

- CSPA: CORRUGATED STEEL PIPE ARCH (ANNULAR CORR.)  
 CAPA: CORRUGATED ALUMINUM ALLOY PIPE ARCH (ANNULAR CORR.)  
 CAPAASB: CORRUGATED ALUMINUM ALLOY PIPE ARCH WITH ALUMINUM OR STEEL BOLTS (ANNULAR CORR.)  
 RCHEP: REINFORCED CONCRETE HORIZONTAL ELLIPTICAL PIPE

USE WITH CUR. STD. DWGS.  
 RDI-011 RDI-016 RDI-021  
 RDI-026 RDI-035

KENTUCKY  
 DEPARTMENT OF HIGHWAYS

CULVERT AND STORM  
 SEWER PIPE TYPES  
 AND COVER HEIGHTS

STANDARD DRAWING NO. RDI-012-03

SUBMITTED *[Signature]* 12-01-15  
 DIRECTOR, BUREAU OF DESIGN DATE  
 APPROVED *[Signature]* 12-01-15  
 STATE HIGHWAY ENGINEER DATE

NON-CIRCULAR  
 66" PIPE - 120" PIPE