

NON-CIRCULAR - 66" PIPE - 120" PIPE

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 ⑪						
72	③ CSPA ①	14 GA.					
	6"x2" CSPA ①	12 GA.					
	3"x1" CAPA	12 GA.					
	RCHEP ⑪						
78	③ CSPA ①	12 GA.					
	6"x2" CSPA ①	12 GA.					
	3"x1" CAPA	12 GA.					
	9"x2½" CAPAASB	12 GA.					
		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.					
90	RCHEP ⑪						
	③ CSPA ①	12 GA.					
	6"x2" CSPA ①	12 GA.					
	3"x1" CAPA	10 GA.					
96	9"x2½" CAPAASB	12 GA.					
	RCHEP ⑪						
	③ CSPA ①	12 GA.					
	6"x2" CSPA ①	12 GA.					
		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.					
108	RCHEP ⑪						
	③ CSPA ①	10 GA.					
	6"x2" CSPA ①	12 GA.					
	9"x2½" CAPAASB	12 GA.					
114	RCHEP ⑪						
	③ CSPA ①	10 GA.					
	6"x2" CSPA ①	12 GA.					
	9"x2½" CAPAASB	12 GA.					
120	RCHEP ⑪						
	6"x2" CSPA ①	12 GA.					
	9"x2½" CAPAASB	12 GA.					
	RCHEP ⑪						
		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-011FOR 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.
- ⑪ SEE CUR. STD. DWGS. RDI-021AND RDI-026 FOR RCHEP COVER HEIGHT AND BEDDING REQUIREMENTS.

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

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

REVISION DATE: 12/01/2015
REVISION NUMBER: 0

SUBMITTED

12-01-2015

DATE

DIVISION DIRECTOR

APPROVED

12-01-2015

DATE

STATE HIGHWAY ENGINEER

DRAINAGE



COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS



PIPES

CULVERT AND STORM SEWER PIPE TYPES AND COVER HEIGHTS

STANDARD DRAWING NUMBER
RDI-012-03