

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.					
	RCHEP ⑪						
		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 ⑪						
90	③ CSPA ①	12 GA.					
	6"x2" CSPA ①	12 GA.					
	3"x1" CAPA	10 GA.					
	9"x2½" CAPAASB	12 GA.					
	RCHEP ⑪						
96	③ CSPA ①	12 GA.					
	6"x2" CSPA ①	12 GA.					
	3"x1" CAPA	8 GA.					
	9"x2½" CAPAASB	12 GA.					
	RCHEP ⑪						
		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 ⑪						
108	③ CSPA ①	10 GA.					
	6"x2" CSPA ①	12 GA.					
	9"x2½" CAPAASB	12 GA.					
	RCHEP ⑪						
114	③ CSPA ①	10 GA.					
	6"x2" CSPA ①	12 GA.					
	9"x2½" CAPAASB	12 GA.					
	RCHEP ⑪						
120	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-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.
- ⑪ 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](#)

<b>KENTUCKY</b>	
<b>DEPARTMENT OF HIGHWAYS</b>	
<b>CULVERT &amp; STORM SEWER PIPE TYPES &amp; COVER HEIGHTS</b>	
STANDARD DRAWING NO. <a href="#">RDI-012-03</a>	
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	

NON-CIRCULAR  
 66" PIPE - 120" PIPE