

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"x2 1/2" 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"x2 1/2" CAPAASB	12 GA.					
	RCHEP ⑪						
90	③ CSPA ①	12 GA.					
	6"x2" CSPA ①	12 GA.					
	3"x1" CAPA	10 GA.					
	9"x2 1/2" CAPAASB	12 GA.					
	RCHEP ⑪						
96	③ CSPA ①	12 GA.					
	6"x2" CSPA ①	12 GA.					
	3"x1" CAPA	8 GA.					
	9"x2 1/2" 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"x2 1/2" CAPAASB	12 GA.					
	RCHEP ⑪						
108	③ CSPA ①	10 GA.					
	6"x2" CSPA ①	12 GA.					
	9"x2 1/2" CAPAASB	12 GA.					
	RCHEP ⑪						
114	③ CSPA ①	10 GA.					
	6"x2" CSPA ①	12 GA.					
	9"x2 1/2" CAPAASB	12 GA.					
	RCHEP ⑪						
120	6"x2" CSPA ①	12 GA.					
	9"x2 1/2" CAPAASB	12 GA.					
	RCHEP ⑪						
		2 - 5	6	7	8	9	10

- 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"x1" OR 5"x1"
- ④ SEE CURRENT STANDARD DRAWING **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 CURRENT STANDARD DRAWING **RDI-016** FOR NON-CIRCULAR PIPE ALTERNATES.
10. SEE CURRENT STANDARD DRAWING **RDI-035** FOR COATINGS, LININGS AND PAVINGS FOR NON-STRUCTURAL PIPE.

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

- ⑪ 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 RCHEP COVER HEIGHT AND BEDDING REQUIREMENTS.

66" PIPE - 120" PIPE
NON-CIRCULAR

KENTUCKY DEPARTMENT OF HIGHWAYS	
CULVERT & STORM SEWER PIPE TYPES & COVER HEIGHTS	
STANDARD DRAWING NO. RDI-012-02	
SUBMITTED: <i>David Kott</i>	11-21-07
<small>DIRECTOR DIVISION OF DESIGN</small>	
APPROVED: <i>Matthew M. Mathews</i>	11-21-07
<small>STATE HIGHWAY ENGINEER</small>	