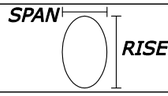
REG	STATE	PROJECT	SHEET NO.
SE	LA	RRP-LOP 10(2)	

HORIZONTAL INSTALLATION

EQUIVALENT ROUND SIZE (IN.)	SPAN X RISE (IN.)	MAX. HEIGHT OF COVER IN FEET	
		1 - 13	14 - 21
		HE - III	HE - I V
18	23 x 14		
24	30 x 19		
27	34 x 22		
30	38 x 24		
33	42 x 27		
36	45 x 29		
39	49 x 32		
42	53 x 34		
48	60 x 38		
54	68 x 43		
60	76 x 48		
66	83 x 53		
72	91 x 58		
78	98 x 63		
84	106 x 68		

METHOD "A" BEDDING

VERTICAL INSTALLATION



SPAN X RISE (IN.)	MAX. HEIGHT OF COVER IN FEET		
	1 - 13	14 - 21	22 - 29
	VE - III	VE - I V	VE - V
29 x 45			
32 x 49			
34 x 53			
38 x 60			
43 x 68			
48 x 76			
53 x 83			
58 x 91			
63 x 98			
68 x 106			

METHOD "A" BEDDING

ELLIPTICAL CONCRETE PIPE COVER TABLES FOR H-20 LIVE LOAD

Heights of cover shown in table are for finished construction.

To protect pipe during construction, minimum heights of cover prior to allowing construction traffic to cross installation are to be $\frac{\text{Span}}{2}$ *or 3.0', whichever is greater. Extend cover the full length of the pipe culvert. The approach fill ramp is to extend a minimum of 10' (Span + 3') on each side of the culvert or to the intersection with a cut. Minimum finished height of cover to be* $\frac{\text{Span}}{2}$ *or 2.0', whichever is greater, except pipe under entrances and median crossovers where a 9" minimum will be permitted.*

ADOPTED FROM:
VIRGINIA DEPARTMENT OF TRANSPORTATION
STANDARD PC-1, PAGE 107.06

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
EASTERN FEDERAL LANDS HIGHWAY DIVISION

U.S. CUSTOMARY DETAIL

ELLIPTICAL CONCRETE PIPE

DETAIL APPROVED FOR USE 02/2007

REVISED: 04/07

DETAIL E602-08

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