



**PLAN VIEW**



Area for computing ratio

(D) Diameter of Culvert (inches)	Area (A)					
	Double Line		Triple Line		Quadruple Line	
	Conc.	C.M.	Conc.	C.M.	Conc.	C.M.
	Sq. Ft.	Sq. Ft.	Sq. Ft.	Sq. Ft.	Sq. Ft.	Sq. Ft.
15			9.17	8.78	10.75	10.16
18	9.73	9.50	11.62	11.16	13.50	12.81
24	16.39	16.01	19.68	18.92	22.98	21.84
30	23.40	22.87	27.99	26.92	32.58	30.98
36	29.98	29.37	35.45	34.22	40.92	39.08
	Culvert Width (T)					
	Feet	Feet	Feet	Feet	Feet	Feet
15			5.75	5.17	8.00	7.13
18	4.17	3.83	6.83	6.17	9.50	8.50
24	5.50	5.08	9.00	8.17	12.50	11.25
30	6.83	6.33	11.17	10.17	15.50	14.00
36	8.17	7.58	13.33	12.17	18.50	16.75

Area is given for one endwall.  
Double area shown if two endwalls are used.

TO DETERMINE RATIO	$\frac{A}{T \text{ (in feet)} \times \text{Length of Culvert}}$
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**TABLE D-29 COMPUTATION OF RATIOS FOR MINOR STRUCTURE EXCAVATION STANDARD EW-6S (45°)**