



Area for computing ratio

(S) Span of Culvert (inches)	Area (A)
	Sq. Ft.
	3" x 1" Corr.
46	28.31
53	37.63
60	48.03
66	59.27

(S) Span of Culvert (inches)	Area (A)
	Sq. Ft
	2 2/3" X 1/2" Corr.
49	28.92
57	38.58
64	49.07
71	60.70

Area is given for one end section.  
Double area shown if two end sections are used

TO DETERMINE RATIO	A
	$\frac{A}{S \text{ (in feet)} \times \text{Length of Culvert}}$

**TABLE D-38 COMPUTATION OF RATIOS FOR MINOR STRUCTURE EXCAVATION  
STANDARD ES-3**