

CULVERT SIZING CHART

ROUND TO ARCH

Pipe-Arch – Area & Hydraulic Radius

2 2/3" x 1/2" Corrugated Steel Pipe

Diameter (in.)	Pipe-Arch Equivalent Size (in.)	Waterway Area (Ft ²)	Hydraulic Radius $A/\pi D$ (ft.)
15	17 x 13	1.1	0.280
18	21 x 15	1.6	0.340
21	24 x 18	2.2	0.400
24	28 x 20	2.4	0.462
30	35 x 24	4.5	0.573
36	42 x 29	6.5	0.690
42	49 x 33	8.9	0.810
48	57 x 38	11.6	0.924
54	64 x 43	14.7	1.040
60	71 x 47	18.1	1.153
66	77 x 52	21.9	1.268
72	83 x 57	26.0	1.380