

APPENDIX 4

MANNING “N” VALUES FOR PIPES

Pipe Material	Manning “n” Value
Helical Corrugated Steel/Aluminum 2 2/3 × 1/2 Corrugations Diameter (Inches)	
15	0.014
18	0.015
21	0.016
24	0.017
27	0.018
30	0.019
36	0.020
42	0.021
48	0.021
Reinforced Concrete – All Diameters	0.013
Corrugated Polyethylene – Smooth Lining – All Diameters	0.012
Note: Arch pipe shall have the Manning “n” value of an equal periphery of circular pipe.	