

DRAINAGE PIPE SPECIFICATION

Scope

This specification describes 2-inch (50 mm) pipe for use in recreational turf drainage applications.

Pipe Requirements

Pipe shall have ringed corrugated interior and exterior corrugations. Minimum inside diameter and average outer diameter shall be 1.95 inches and 2.3 inches respectively. Average pipe stiffness at 5% deflection shall be 40 psi when tested in accordance with ASTM D2412. Average weight shall be 0.15 pounds per foot. The material formulation shall include recycled polyethylene.

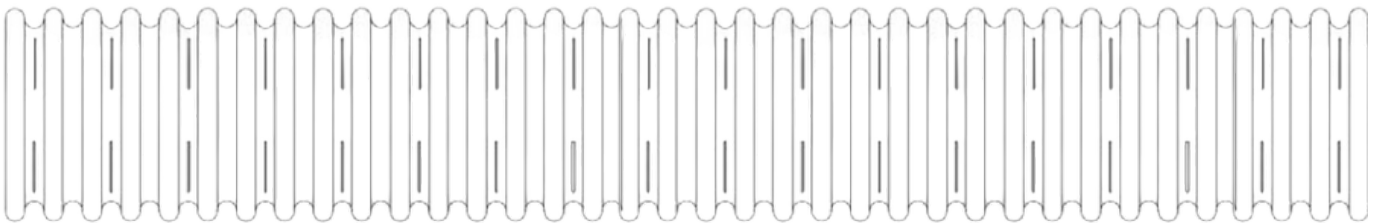
Joint Performance

Pipe can be joined with an external or internal coupler covering at least two full corrugations on each end of the pipe. Standard (non gasketed) connections.

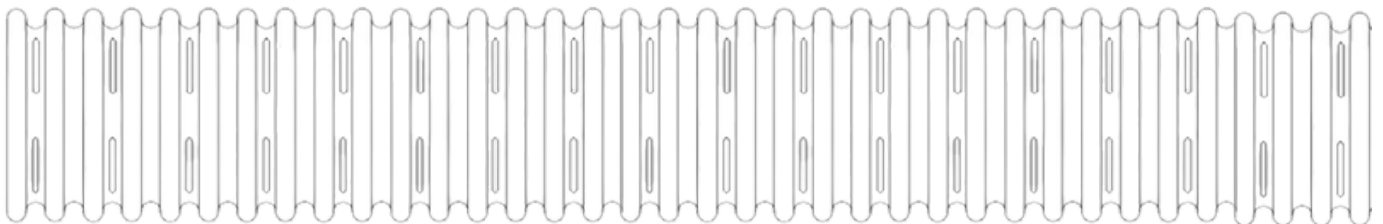
Installation

Installation shall be in accordance with state or local regulations and those issued by the design engineer.

KNIFE SLOT (12 inches)



WIDE SLOT (12 inches)



Perforations

A slot is placed at every two undulations, for a total of eighteen slots per foot on four rows.

Perforation type

Slot length (max)

Slot width (max)

Knife Slots

0.4 in. (10 mm)

0.034 in. (0.86 mm)

Large Slots

0.65 in. (16 mm)

0.07 in. (1.8 mm)

Hydraulic Data

Recommended Design Manning's "n"

0.017