

INTENT

To provide a system for eliminating inflow to your municipality's sanitary sewer system, while reducing the infiltration of street level contaminants, controlling the escape of undesirable sewage odor, and minimizing traffic related manhole noise and cover displacement.

1 SCOPE

Under this item, the contractor shall supply and install to manufacturer's recommendations a Rainstopper manhole insert as shown on contract drawings and specified hereafter.

2 MATERIALS AND DESIGN

2.1 GENERAL

The Rainstopper insert and components shall be manufactured of materials resistant to corrosion from atmospheres containing hydrogen sulfide and dilute sulfuric acid.

2.2 PAN

The pan shall be manufactured of high-density polyethylene. The pan shall have a straight side design to allow a loose fit into ring for easy removal.

2.3 RELIEF VALVE

The gas relief valve shall be designed to release at a pressure of .5 to 1.5 PSI and have a water leak down rate no greater than 5 gallons per 24 hours. The valve shall be installed in the insert by means of a hole tapped in the insert by the manufacturer. The valve shall be made of nitrile for prevention of corrosion from contact with hydrogen sulfide, dilute sulfuric acid and other gases associated with waste-water collection systems.

2.4 HANDLE

The dish shall have a handle of 3/4" nylon strip installed on the body of the dish. The handle shall be attached with a #6 high-grade stainless-steel rivet. The nylon strip terminal and eye shall be stainless steel.

3 INSTALLATION

The manhole frame rim surface shall be free of all dirt and debris prior to the installation of the insert. The Rainstopper insert should be fully seated around the manhole frame rim to ensure against water seepage between the insert and manhole frame rim.

4 MANUFACTURER

The manhole insert shall be manufactured by:
Rainstopper at 6905 Westport Ave, Shreveport, LA, 71129 (318-687-4330).

5 LIMITED WARRANTY

Limited fifteen-year replacement warranty: If an insert is defective in materials or workmanship within fifteen years of purchase, it will be replaced free of charge by Rainstopper if not damaged through mishandling, accident, or abnormal use, and excludes replacement of handle and valve.

