STAINLESS STEEL “RAINSTOPPER” W/ SS HANDLE
SPECIFICATIONS
(as provided by WBE Dorcas, Inc.)

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

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

   The Insert
2.2 The insert body shall be manufactured of 304 stainless steel with a thickness of not less than 18 gage. The insert shall have a straight side design to allow a loose fit into ring for easy removal. The insert manufacturer must furnish a “load test verification” showing a load test failure in excess of 3000 lbs. For added strength, no less than three (3) ribs shall be stamped in the bottom of the dish.

   The Gasket
2.3 The gasket shall be made of close cell neoprene, and shall have a pressure sensitive adhesive on one side. The gasket shall be installed by the manufacturer and must be compatible with the insert material to form a long lasting bond in wet or dry conditions.

   Relief Valve
2.4 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.

   The Handle
2.5 The dish shall have a handle of 3/16” plastic coated stainless steel cable installed on the body of the dish. The handle shall be attached with a #6 high-grade stainless steel rivet. The cable shall be braided in a manner which resists cutting with common bolt cutters. The cable terminal and eye shall be stainless steel.
3. **Installation**
   The manhole frame rim shall be free of all dirt and debris prior to the installation of the “Rainstopper” insert. The “Rainstopper” insert should be fully seated around the manhole frame rim to insure against water seepage between the insert and manhole frame rim. A generous coating of grease on the gasket is helpful in seating and prevents rust.

4. **Manufacturer**
   The manhole insert shall be manufactured by Southwestern Packing & Seals, Inc. at 800-843-4950 6905 Westport Avenue, Shreveport, LA 71129 or prior approved equal.