

SECTION 221323 - SANITARY WASTE INTERCEPTORS

PART 1 GENERAL

1.01 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.02 SUMMARY

- A. Section Includes:
 - 1. Oil interceptors for Hydraulic Elevator Pump discharge.
 - 2. Precast-concrete manhole risers.

1.03 DEFINITIONS

- A. FRP: Fiberglass-reinforced plastic.
- B. PP: Polypropylene.

1.04 ACTION SUBMITTALS

- A. Product Data: For each type of plastic interceptor. Include materials of fabrication, dimensions, rated capacities, retention capacities, operating characteristics, size and location of each pipe connection, furnished specialties, and accessories.
- B. Shop Drawings: For each type and size of precast-concrete interceptor indicated.
 - 1. Include materials of construction, dimensions, rated capacities, retention capacities, location and size of each pipe connection, furnished specialties, and accessories.

1.05 CLOSEOUT SUBMITTALS

- A. Operation and Maintenance Data: For sanitary waste interceptors to include in emergency, operation, and maintenance manuals.

PART 2 PRODUCTS

2.01 OIL INTERCEPTORS FOR HYDRAULIC ELEVATOR PUMP DISCHARGE

- A. Steel Oil Interceptors: Factory fabricated; with removable sediment bucket or strainer, baffles, vents, and flow-control fitting on inlet.
 - 1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - a. Jay R. Smith Mfg Co; a division of Morris Group International.
 - b. Josam Company.
 - c. MIFAB, Inc.
 - d. Rockford Sanitary Systems, Inc.
 - e. WATTS; A Watts Water Technologies Company.
 - f. Zurn Industries, LLC.
 - 2. Inlet, Outlet, Vent, and Waste-Oil-Outlet Piping Connections: flanged or threaded unless otherwise indicated.
 - 3. Capacities and Characteristics:
 - a. Storage Capacity: 100 gal. (minimum)
 - b. Flow Rate: 50 GPM.
 - c. Inlet and Outlet Pipe Size: NPS 2
 - d. End Connections: Flanged, Hub, or Threaded.
 - e. Waste-Oil-Outlet Pipe Size: NPS 2
 - f. Trapped Outlet Required: No.

- g. Cleanout: Integral or field installed on outlet
 - h. Vent Pipe Size: NPS 2
 - i. Mounting: Above floor.
 - j. Flow-Control Fitting: Not required.
- B. Plastic Oil Interceptors: Removable sediment bucket or strainer, baffles, vents, and flow-control fitting on inlet.
 - 1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - a. Green Turtle Zurn.
 - b. MIFAB, Inc.
 - c. Park USA
 - d. Striem.
 - e. Town & Country Plastics, Inc.
 - f. Xerxes by Shawcor Ltd.
 - 2. Inlet, Outlet, Vent, and Waste-Oil Outlet Piping Connections: flanged or threaded, unless otherwise indicated.
 - 3. Capacities and Characteristics:
 - a. Storage Capacity: 100 gal. (minimum)
 - b. Flow Rate: 50 GPM.
 - c. Inlet and Outlet Pipe Size: NPS 2
 - d. End Connections: Flanged, Hub, or Threaded.
 - e. Waste-Oil-Outlet Pipe Size: NPS 2
 - f. Trapped Outlet Required: No.
 - g. Cleanout: Integral or field installed on outlet
 - h. Vent Pipe Size: NPS 2
 - i. Mounting: Above floor.
- C. Flow-Control Fitting: Not required

PART 3 EXECUTION

3.01 EARTHWORK

- A. Excavating, trenching, and backfilling are specified in Section 312000 "Earth Moving."

3.02 INSTALLATION

- A. Equipment Mounting:
 - 1. Comply with requirements for equipment bases and foundations specified in "Cast-in-Place Concrete."
- B. Set interceptors level and plumb.
- C. Set metal and plastic interceptors level and plumb.
- D. Install oil interceptors, including trapping, venting, and flow-control fitting, according to authorities having jurisdiction and with clear space for servicing.

3.03 PIPING CONNECTIONS

- A. Piping installation requirements are specified in Section 221316 "Sanitary Waste and Vent Piping." and Section 221414 "Storm Drainage Piping" Drawings indicate general arrangement of piping, fittings, and specialties.
- B. Make piping connections between interceptors and piping systems.

3.04 IDENTIFICATION

- A. Identification materials and installation are specified in "Earth Moving."
 - 1. Arrange for installation of green warning tapes directly over piping and at outside edges of underground interceptors.
 - 2. Use warning tapes or detectable warning tape over ferrous piping.
 - 3. Use detectable warning tape over nonferrous piping and over edges of underground structures.
- B. Equipment Nameplates and Signs: Install engraved plastic-laminate equipment nameplate or sign on or near each of the following:
 - 1. Oil interceptors.

3.05 PROTECTION

- A. Protect sanitary waste interceptors from damage during construction period.
- B. Repair damage to adjacent materials caused by sanitary waste interceptor installation.

END OF SECTION