

**SECTION 22 13 23**  
**SANITARY WASTE INTERCEPTORS**

**PART 1 - GENERAL**

**1.1 DESCRIPTION**

This section pertains to the scope of work associated with sanitary waster interceptors.

**1.2 RELATED WORK**

Section 22 05 11, COMMON WORK RESULTS FOR PLUMBING.

**1.3 SUBMITTALS**

- A. Submit in accordance with Section 01 33 23, SHOP DRAWINGS, PRODUCT DATA, AND SAMPLES.
- B. Manufacturer's Literature and Data:
  - 1. For each type of interceptor indicated, the submittal shall include materials of fabrication, dimensions, rated capacities, retention capacities, operating characteristics, size and location of each pipe connection, furnished specialties, and accessories.
- C. Detailed shop drawing of clamping device and extensions when required in connection with the waterproofing membrane or the floor drain shall be submitted.

**1.4 APPLICABLE PUBLICATIONS**

- A. The publications listed below form a part of this specification to the extent referenced. The publications are referenced in the text by the basic designation only.  
Element ANSI/ASME
- B. International Code Council (ICC)  
IPC.....International Plumbing Code

**PART 2 - PRODUCTS**

**2.1 GREASE/OIL REMOVAL UNIT:**

- A. The grease/oil removal unit shall be welded stainless steel, automatic self-cleaning interceptor with a rotating gear wheel assembly for automatic grease/oil removal.
- B. The grease/oil removal unit shall have a flow control device.
- C. The grease/oil shall include the following electrical components:
  - 1. Self-regulating electric immersion heater.
  - 2. A programmable 24 hour time control.

- D. The grease/oil removal unit shall have quick release, stainless steel lid clamps, a gasketed and fully removable stainless steel lid, a separate grease/oil collection container and an internal stainless steel strainer basket for collection of solids and sediment.
- E. The grease oil removal unit shall have a high level alarm probe and light. The Alarm probe shall be constructed of stainless and utilize 120 VAC radio frequency balanced impedance bridge circuit and shall be provided fully calibrated and ready to use. The alarm light shall operate on 120 VAC and shall be actuated by the output relay on the alarm probe. The alarm light shall be located as shown on drawing.

### **PART 3 - EXECUTION**

#### **3.1 INSTALLATION**

- A. Pre-cast concrete interceptors shall be installed according to ASTM C891.
- B. Manhole risers from top of underground concrete interceptors to manhole and gratings at finished grade shall be installed.
- C. Tops of manhole frames and covers shall be set flush with finish surface in pavements. The tops shall be set 80 mm (3 inches) above finish surface elsewhere unless otherwise indicated.
- D. Tops of grating frames shall be set flush with the finish surface.
- E. Interceptors shall be set level and plumb.
- F. Metal interceptors covers shall be set flush with finished surface in pavements. The tops shall be set 80 mm (3 inches) above finish surface elsewhere unless otherwise indicated.

#### **3.2 CONNECTIONS**

- A. Pipe installation requirements are specified in other plumbing sections.
- B. Piping connections shall be made between interceptors and piping systems.

#### **3.3 CONNECTIONS**

- A. Warning tape shall be place over ferrous piping.
- B. Detectable warning tape shall be used over nonferrous pipe and over the edges of underground structures.

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