

SECTION 15459 - INTERCEPTORS

PART 1 - GENERAL

1.1 QUALITY ASSURANCE:

- A. Manufacturer's Qualifications: Firms regularly engaged in manufacturer of interceptors of types and capacities required, whose products have been in satisfactory use in similar service for not less than 5 years.
- B. Codes and Standards:
 - 1. PDI Compliance: Test and rate grease interceptors in accordance with PDI Standard G101, "Testing and Rating Procedure for Grease Interceptors."

1.2 SUBMITTALS:

- A. Product Data: Submit manufacturer's technical product data, including rated capacities of selected models indicated, weights, furnished specialties and accessories, and installation and start-up instructions.
- B. Shop Drawings: Submit manufacturer's assembly type shop drawings indicating dimensions, weights, required clearances, and methods of assembly of all components.
- C. Record Drawings: At project closeout, submit record drawings of installed systems products; in accordance with requirements of Division 15.
- D. Maintenance Data: Submit maintenance data and parts lists for each type of interceptor. Include "trouble-shooting" maintenance guides. Include this data, product data, and shop drawings in maintenance manual; in accordance with requirements of Division 15.

1.3 DELIVERY, STORAGE, AND HANDLING:

- A. Handle interceptors carefully to prevent damage, and/or breaking. Do not install damaged or broken interceptors; replace with new.
- B. Store interceptors in clean dry place. Protect from weather, dirt, water, construction debris, and physical damage.

PART 2 PRODUCTS

2.1 ACCEPTABLE MANUFACTURERS:

- A. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - 1. Interceptors:
 - a. Josam Mfg Co.
 - b. Rockford Sanitary Systems Corp.
 - c. J.R. Smith Mfg Co.
 - d. Wade Div; Tyler Pipe.
 - e. Zurn Industries; Hydromechanics Div.

2.2 GREASE INTERCEPTORS:

- A. General: Provide grease interceptors, of size and capacity as indicated.
- B. Construction: Precast concrete, two compartment, designed for H₂O traffic loading. Water proofed by manufacturer for continuous interior submergence.
- C. Variations: Provide the following construction feature variations:
 - 1. Cast iron manhole rings.
 - 2. Gas tight manhole cover and frame.
 - 3. Accessories and features indicated on drawings.

2.3 OIL AND SAND INTERCEPTORS:

- A. General: Provide oil and sand interceptors of size and capacity as indicated.
- B. Construction: Cast-iron, coated with acid resisting rubber on outside and inside. Provide flow control fitting.
- C. Zurn Model Z-1186-300

2.4 SOLIDS INTERCEPTORS:

- A. General: Provide solids interceptors of size and capacity as indicated.
- B. Construction: Cast-iron body, aluminum cover, aluminum sediment basket, and removable bronze screws.

PART 3 EXECUTION

3.1 EXAMINATION:

- A. Examine areas and conditions under which interceptors are to be installed, and substrate which will support interceptors. Do not proceed with work until unsatisfactory conditions have been corrected in manner acceptable to Installer.

3.2 INSTALLATION OF INTERCEPTORS:

- A. General: Install interceptors as indicated, in accordance with manufacturer's installation instructions, and in compliance with applicable codes.
- B. Support: Anchor interceptors securely to substrate, locate so adequate clearance is provided to remove covers and sediment baskets. Set recessed units so top of cover is flush with finished floor.
- C. Piping: Connect inlet and outlet piping to interceptors.

3.3 PROTECTION:

- A. Protect interceptors during remainder of construction period, to avoid clogging with construction materials and debris, and to prevent damage from construction debris and traffic.

END OF SECTION 15459