

GREASE WASTE INTERCEPTORS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

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

1.2 SUMMARY

- A. Section Includes:
 - 1. Grease interceptors.

1.3 DEFINITIONS

- A. FRP: Fiberglass-reinforced plastic.

1.4 ACTION SUBMITTALS

- A. Product Data: 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 interceptor indicated.
 - 1. Include materials of construction, dimensions, rated capacities, retention capacities, location and size of each pipe connection, furnished specialties, and accessories.

1.5 INFORMATIONAL SUBMITTALS

- A. Coordination Drawings: Interceptors, drawn to scale, on which the following items are shown and coordinated with each other, based on input from Installers of the items involved:
 - 1. Interceptors.
 - 2. Piping connections. Include size, location, and elevation of each.
 - 3. Interface with underground structures and utility services.

1.6 PROJECT CONDITIONS

- A. Interruption of Existing Sewer Services: Do not interrupt services to facilities occupied by Owner or others unless permitted under the following conditions and then only after arranging to provide temporary sewer services according to requirements indicated:

GREASE WASTE INTERCEPTORS

1. Notify [Architect] [Construction Manager] [Owner] no fewer than [seven] <Insert number> days in advance of proposed interruption of service.
2. Do not proceed with interruption of sewer services without [Architect's] [Construction Manager's] [Owner's] written permission.

PART 2 - PRODUCTS

2.1 GREASE INTERCEPTORS

- A. Grease Interceptors: Fiberglass, to be appropriately sized based on anticipated usage and flow rates to meet applicable sanitary sewer discharge limits, incl. municipal by-laws.
1. Include accessways, tanks, and piping or openings to retain grease and to permit wastewater flow.
 2. PVC cement welded type socket ports, or straight pipe, fitted into interceptor walls for each pipe connection.
 3. Accessway Extension Collar:
 - a. Fiberglass risers (EC2), 24-inch (610-mm).
 4. Accessway Frames and Covers: Round cover with non slip cover finish, gasketed and non vented top design with "Proceptor" lettering cast into cover.
 - a. Cast Iron: AASHTO M306 Traffic load rated. 24 inch- (610-mm-) diameter cover with 0.25" (6-mm-) gasket. Two closed pickholes. Non Bolted or Bolted option. Weight 249 lbs. ASTM A48 CL35B.
 - b. Fiberglass: Pedestrian loading 24" diameter bolted and gasketed.
 5. Watertight Flexible Caulking: Sikaflex 255 or Sikaflex 221 or approved alternate to provide watertight seal at extension collar joints.
- B. Capacities and Characteristics:
1. Number of Compartments: <x cells>
 2. Grease Retention Capacity: <xxx USG>
 3. Solids Retention Capacity: <xxx USG >
 4. Inlet and Outlet Pipe Size: <4"/6">
 - a. Centerline of Inlet to Floor: <Insert inches (mm)>.
 - b. Centerline of Outlet to Floor: <Insert inches (mm)>.
 5. Vent Pipe Size: <3">.
 6. Installation Position: **Underground with accessway collar riser to grade.**
 7. OPTIONS as required:
 - a. 4" Side Suction port for remote pump-out.

GREASE WASTE INTERCEPTORS

- b. Alarm for high oil accumulation. Includes alarm probe to be installed near top of tank accessway and alarm panel with buzzer and light for indoor wall mount.
- 8. Green Turtle Proceptor Model: : <GMC XXX>.

2.2 FIBERGLASS ACCESSWAY RISERS

- A. Fiberglass accessway extensions: Fiberglass wound pipe.
 - 1. Length: From top of underground tank to underside of access frame at grade.
 - 2. Extension Sections: 0.25-inch (6-mm) minimum thickness and [24-inch (610-mm)] diameter as single continuous piece, without joints unless approved by the manufacturer.
 - a. Sealant: Watertight Flexible Caulking, Sikaflex 255 or Sikaflex 221 or approved alternate to provide watertight seal at extension collar joining to tank on bottom and access frame at top.

PART 3 - EXECUTION

3.1 EARTHWORK

- A. Excavating and trenching and backfilling are to meet local Building Code.
- B. Backfill per Green Turtle Installation Instructions. Pea gravel is preferred backfill material.

3.2 INSTALLATION

- A. Install fiberglass interceptors according to manufacturer's installation instructions.

3.3 CONNECTIONS

- A. Piping installation requirements are to meet local code for Sanitary Waste and Vent Piping. Drawings indicate general arrangement of piping, fittings, and specialties.
- B. Make piping connections between interceptors and piping systems.

END OF SECTION