

SECTION 22 13 19.23

GREASE TRAPS

PART 1: GENERAL

1.01 SCOPE

Grease traps are required wherever wastewater sources contain animal and vegetable derived grease products.

1.02 SUBMITTALS

Submit shop drawings and manufacturer's literature to the AW Project Manager for approval in accordance with Section - Submittals.

PART 2 PRODUCTS

2.01 MATERIALS

- A. Grease traps shall be manufactured in accordance with ASTM C1613 – Standard Specification for Precast Concrete Grease Interceptor Tanks.
- B. All grease traps shall be externally located, pre-manufactured, pre-cast concrete units designed specifically for removing FOG (fat, oil, grease) from wastewater.
- C. Provide a gasketed bolt-down manhole frame and cover.

PART 3 EXECUTION

3.01 DESIGN

- A. Grease traps are to be designed for peak flow and sized based on required retention time. Retention time shall be based on the manufacturer's recommendation for operational discharge of less than 200 mg/L of FOG during peak flows.
- B. Grease traps shall be designed and certified to operate efficiently at their maximum flow rate in GPM, and retain a minimum of twice its rated GPM in pounds of grease.
- C. All design calculations and system designs shall be submitted to AW for review and approval.
- D. Grease traps shall be sized in accordance with Standard PDI-G101 from the Plumbing and Draining Institute.

3.02 DELIVERY AND STORAGE

- A. Inspect materials delivered to site for damage; unload and store with minimum handling.
- B. Store materials on-site within enclosures or under protective coatings to protect against inclement weather and direct sunlight.

3.03 INSTALLATION

- A. Grease traps shall be installed as shown on the Drawings and in strict accordance with the manufacturer's recommendations.
- B. Grease traps shall not be located under pavement but shall be located within five feet of a paved vehicle access for cleaning and inspection, whenever possible.
- C. Only waste from grease producing sources shall flow through the grease trap. All grease traps shall be located upstream of the location where human waste enters the service line. Sanitary wastes and other wastes shall flow through a separate lateral and connect to the receiving main.

3.04 QUALITY ASSURANCE AND TESTING

- A. The grease trap shall be fabricated, inspected, and tested for leakage before shipment from the factory as a completely assembled system ready for installation.
- B. Conduct pressure and leakage tests as required by Section 33 01 10.13.

END OF SECTION 22 13 19.23