

SECTION 22 13 20

OIL-WATER SEPARATORS

PART 1 GENERAL

1.1 SCOPE

Oil-water separators are required wherever wastewater sources contain petroleum products.

1.2 SUBMITTALS

Submit shop drawings and manufacturer's literature to the OWNER Project Manager for approval in accordance with Section – 01 00 04 (Submittals).

PART 2 PRODUCTS

2.1 MATERIALS

- A. Oil-water separators shall be pre-manufactured, pre-cast concrete units designed specifically for separating petroleum products from wastewater.
- B. Provide a minimum storage capacity of 500 gallons.

PART 3 EXECUTION

3.1 DESIGN

- A. Oil-water separators are to be designed for peak flow.
- B. Oil-water separators are to be designed per <http://www.hydroflotech.com/api-series-oil-water-separators-sizing-spreadsheet> or equivalent.
- C. All design calculations and system designs shall be submitted to Owner for review and approval.

3.2 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.

3.3 INSTALLATION

- A. Oil-water separators shall be installed as shown on the Drawings and in strict accordance with the Manufacturer's recommendations.
- B. Provide ease of access for cleaning and inspection, accounting for vehicle access.
- C. If required by Owner, provide services of technical representative of manufacturer available on site during installation of valves.
- D. Only waste from oil producing sources shall flow through the oil-water separators. All oil-water separators 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.

3.4 QUALITY ASSURANCE AND TESTING

- A. The oil-water separator 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 05 05.33 (Infiltration and Exfiltration Testing Wastewater).

--END OF SECTION 22 13 20--