Excavation:
1. Surrounding soil must be undisturbed soil or well compacted engineering fill.
2. Measure the width and length of the tank and excavate a hole that is a minimum of 18" greater than the tank on all sides.
3. Depth of excavation shall be 12" deeper than tank bottom.
4. After the excavation is complete create a well compacted support layer of aggregate mixture so that the tank is held down.

Backfilling & finished concrete slab unit installation:
- Step 1: All pipes entering/exiting the separator shall be inspected.
- Step 2: The separator shall be filled to finish level.
- Step 3: The water level shall be marked by a plate.

Sand/Oil Separator Leak Test Inspection:
- The separator leak test shall be performed after burial depth.
- Unit weight: 1,758 lbs.
- Unit weight: 1,758 lbs.
- Maximum operating temperature: 140°F continuous.

Notes:
1. 7/8" thick high density polyethylene walls.
2. Unit supplied with built-in adapter(s) for up to 4" of adjustability. Additional riser(s) available for deeper burial depth.
3. For buried applications.
4. Lifting lag set included for easy install.

Engineer Specification Guide:
Strem oil separator model OT-1500-JCW shall be lifetime guaranteed and made in USA of High Density Polyethylene with minimum 78% uniform wall thickness. Separator shall be furnished for below grade installation with field adjustable riser system. Separator flow rate shall be 314 GPM. Separator oil capacity shall be 488 gallons. Sand capacity shall be 325 gallons. Separator shall be certified to API 5-2016. Pickable cast iron cover shall provide watertight seal and be H20 rated.

Model Number: OT-1500-JCW
Description: Polyethylene Oil Separator
314 GPM
1500 Gallon Capacity
Johnson County Wastewater Detail

Specifications:  
1. Max flow rate: 314 GPM
2. Liquid capacity: 1500 Gallons (200.5 cu. ft.)
3. Oil capacity: 488 Gallons
4. Solids/segment capacity: 825 Gallons
5. Unit weight: 1,758 lbs.
6. H20 rated pickable cast iron covers
7. Maximum operating temperature: 140°F continuous.

All Plans Envelope in Accordance with JCW Standards

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