**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 the tank bottom.
4. After the excavation is complete create a well compacted support layer of aggregate mixture so that ground surface level will be a minimum of 12" above native soil. Aggregate mixture must be 3/4" size clean rock or sand, with no fines. For compaction, use a flat plate compactor to tamp rock or sand every 15 minutes.

**UNIT INSTALLATION**
1. Lower and center the unit into hole using Striem lifting lug kit (included). Do not use chains or accessways to move the unit.
2. Ensure tops of risers are level with finished grade.
3. Fill unit with water before backfilling to stabilize unit, check for leaks, and prevent float out during backfilling.

**BACKFILL & FINISHED CONCRETE SLAB**
1. Before backfilling and pouring of slab secure covers and risers (if necessary) to the unit.
2. Backfill evenly all around tank using crushed aggregate material approximately 3/4" size rock, or sand, with no fines.
3. When backfilling ensure backfill is worked under the unit using a probe to ensure the unit is fully supported.
4. Place 6" aggregate base under slab. Aggregate should be 3/4" size rock or sand, with no fines.
5. Concreate to be 28 day compressive strength to 4000 PSI with 6±1% air.
6. Refill unit with water before backfilling to stabilize unit, check for leaks, and prevent float out during backfilling.

**DEADMAN ANCHORING**
1. Deadman should be constructed as noted in Excavation and Backfill detail.
2. Deadman should be 12" wide x 12" tall and equal to the length of the entire unit.
3. Each deadman should have 4 anchor points that each connect to a 3,500 lbs. rebar.
4. Deadmen should be 12" wide x 12" tall and cannot exceed 4" in thickness.
5. Deadmen should be constructed as noted on Excavation and Backfill detail.

**CONCRETE SLAB DETAIL**
- Reinforcement Schedule: 4 x #4 x 8'-4" each
- Concrete pad must extend at least 18" outside the unit footprint
- Concrete pad must extend at least 18" outside the unit footprint

**EXCAVATION AND BACKFILL DATA**
- Finished Grade
- Crushed gravel or sand
- Native soil
- Deadman for high water table installation to be 12" wide by 12" tall and 110° long, typical both sides (by others)
- Compacted sand/gravel support base 12" min depth above native soil

**SAND/OIL SEPARATOR LEAK TEST INSPECTION**
- Must extend at least 18" outside the unit footprint
- Connector pad
- Reinforcement Schedule: 4 x #4 x 8'-4" each
- Concrete pad must extend at least 18" outside the unit footprint

**POLYETHYLENE OIL SEPARATOR**
- Striem oil separator model OT-1000-JCW shall be lifetime guaranteed and made in USA of High Density Polyethylene with minimum 7/8" 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 370 gallons. Sand capacity shall be 477 gallons. Separator shall be certified to IAPMO IGC 183-2016. Pickable cast iron cover shall provide watertight seal and be H2O traffic rated.

**ENGINEER SPECIFICATION GUIDE**
- Striem oil separator model OT-1000-JCW shall be lifetime guaranteed and made in USA of High Density Polyethylene with minimum 7/8" 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 370 gallons. Sand capacity shall be 477 gallons. Separator shall be certified to IAPMO IGC 183-2016. Pickable cast iron cover shall provide watertight seal and be H2O traffic rated.

**NOTES**
1. 7/8" thick high density polyethylene walls.
2. Unit supplied with built-in adapter(s) for up to 5" of adjustability. Additional riser(s) available for deeper burial depth.
3. For buried applications.
4. Lifting lug set included for easy install.

**SPECIFICATIONS**
- Max Flow: 314 GPM
- Liquid capacity: 1000 Gallons (133.7 cu. ft.)
- Oil capacity: 370 Gallons
- Solids/sediment capacity: 477 Gallons
- Unit weight w/stand. covers: 1,324 lbs.
- H2O rated pickable cast iron covers
- Maximum operating temperature: 140°F continuous.