EXCAVATION AND BACKFILL DETAIL

- Surrounding soil must be undisturbed soil or wall compacted engineering fill.
- Measure the width and length of the tank and excavate a hole that is a minimum of 12" deeper than tank bottom.
- Depth of excavation shall be 12" deeper than tank bottom.
- After the excavation is complete create a well compacted support layer of 12" under the tank such that the tank is held down.
- Lay the deadmen parallel with the unit and ensure that it is outside the shadow of the tank.
- Each deadman should have 2 anchor points that each connect to a 3,500 lb. rated turnbuckle.
- Nylon straps rated to 3,333 lbs. each should be connected to a turnbuckle on each side of the tank.

UNIT INSTALLATION

- Lower and center the unit into hole using Striem lifting lug kit (optional). Do not use chains or accessways to move the unit.
- Ensure tops of risers are level with finished grade.
- Fill unit with water before backfilling to stabilize unit, check for leaks, and prevent float out during backfilling.
- Before backfilling and pouring of slab secure covers and risers to the unit.
- Backfill evenly all around tank using crushed aggregate material approximately 2" size rock, or sand, with no fines. For compaction, use a flat plate compactor to tamper rock or sand evenly for 15 minutes.

BACKFILLING & FINISHED CONCRETE SLAB

- Step 1: All pipes entering/exiting the separator shall be inspected.
- Step 3: The water level shall be marked by a water seal diptube to match service line pipe size.
- Step 2: The separator shall be filled to finish 2" below the top of the riser with water.
- Step 3: The water level shall be marked by JCW and monitored for 30 minutes to confirm the separator is not leaking.

FILMATION

- Step 3: The water level shall be marked by a water seal diptube to match service line pipe size.
- Step 2: The separator shall be filled to finish 2" below the top of the riser with water.
- Step 3: The water level shall be marked by JCW and monitored for 30 minutes to confirm the separator is not leaking.

CONCRETE SLAB DETAIL

- Before backfilling and pouring of slab secure covers and risers if necessary to the unit.
- Concrete to be 28 day compressive strength to 4000 PSI with 6±1% air entrainment.
- Concrete to be piped independently to atmosphere in accordance with local codes.
- Rebar spacing 12" grid. 4" spacing around access openings.
- Rebar to be 2 1/2" from edge of concrete.
- Rebar to be 2 1/2" from edge of concrete.
- Liquid capacity: 500 Gallons (74.6 cu. ft.).
- Max flow rate: 314 GPM.

POLYETHYLENE OIL SEPARATOR

- Model number: OT-500-JCW
- Polyethylene oil separator OT-500-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 fine rate shall be 314 GPM. Separator oil capacity shall be 285 gallons. Sand capacity shall be 152 gallons. Separator shall be certified to AWWA C253-18. Pickable cast iron cover shall provide wet/dry-tight seal and be H20 traffic rated.

- Striem oil separator model OT-500-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 fine rate shall be 314 GPM. Separator oil capacity shall be 285 gallons. Sand capacity shall be 152 gallons. Separator shall be certified to AWWA C253-18. Pickable cast iron cover shall provide wet/dry-tight seal and be H20 traffic rated.