**Sand/Oil Separator Leak Test Inspection**

1. Deadman should be constructed as noted on 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 2 anchor points that each connect to a 3,500 lbs.
4. Deadman should be constructed as noted on Excavation and Backfill detail.
5. Each deadman should have 2 anchor points that each connect to a 3,500 lbs.
6. Deadman should be 12" wide x 12" tall and equal to the length of the entire unit.
7. Each deadman should have 2 anchor points that each connect to a 3,500 lbs.
8. Deadman should be 12" wide x 12" tall and equal to the length of the entire unit.
9. Each deadman should have 2 anchor points that each connect to a 3,500 lbs.
10. Deadman should be 12" wide x 12" tall and equal to the length of the entire unit.

**Tank Construction**

1. Lower and center the unit into hole using Striem lifting 1.
2. Lay the deadmen parallel with the unit and ensure that it is outside the shadow of the tank.
3. Nylon strap rated to 3,333 lbs. each should be connected to a turnbuckle on each side.
4. Tuck the deadmen to the deadman anchor points on each side of the tank such that the tank is held down.

**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. H2O rated slab required.
6. Concrete to be 28 day compressive strength to 4,000 PSI with 6±1% air entrainment.
7. NO. 4 rebar (ø 12") 60 steel per ASTM A615: connected with tie wire.
8. Rebar to be 2 1/2" from edge of concrete.
9. Rebar spacing 12" grid. 4" spacing around access openings.

**Excavation and Backfill**

1. Measure the width and length of the tank and excavate a hole that is a 30" deeper than the tank bottom.
2. Depth of excavation shall be 12" deeper than tank bottom.
3. After the excavation is complete create a well compacted support layer of 4" thick gravel.
4. Fill unit with water before backfilling to stabilize unit, check for leaks, and prevent float out during backfilling.
5. Backfill evenly all around tank using crushed aggregate material approximately 3/4" size rock, or sand, with no fines.
6. When backfilling ensure backfill is worked under the unit using a probe to ensure the unit is fully supported.
7. Place 6" aggregate base under slab. Aggregate should be 3/4" size rock, or sand, with no fines.
8. H2O rated slab required.
9. Concrete to be 28 day compressive strength to 4,000 PSI with 6±1% air entrainment.
10. NO. 4 rebar (ø 12") 60 steel per ASTM A615: connected with tie wire.
11. Rebar to be 2 1/2" from edge of concrete.
12. Rebar spacing 12" grid. 4" spacing around access openings.

**Web References**

- [Striem Oil Separator Model OT-750-JCW](https://www.striemco.com)
- [HDK-750 - High Water Hold Down Kit](https://www.striemco.com)
- [Auxiliary Oil Tanker vent](https://www.striemco.com)
- [Typical Joint](https://www.striemco.com)
- [Striem HDK-750](https://www.striemco.com)
- [Polyethylene Oil Separator](https://www.striemco.com)
- [JSW Inspection Requirements](https://www.striemco.com)