

SYSTEM SPECIFICATIONS

- 1. 4" inlet/outlet, 3" vent connections.
- 2. Max flow rate: 100 GPM.
- 3. Liquid capacity: 500 Gallons (67 cu ft).
- 4. Max oil capacity: 288 gallons.
- 5. Sand/Solids capacity : 95 gallons.
- 6. Unit weight w/std. covers: 230 lbs. (ea.).
- 7. 16,000 lb. load rated, bolted, gas/water tight composite covers.
- 8. Maximum operating temperature 140°F continuous.

NOTES

- 1. Snap-in flow control (ships with unit).
- 2. For gravity drainage applications only. Do not use for pressure applications.
- 3. 3/8" thick seamless medium density polyethylene walls.
- 4. Unit supplied with built-in adapter(s) for up to 6" of adjustability. Additional riser(s) available for deeper burial depth.
- 5. Cover placement allows full access to tanks for proper maintenance.
- 6. Narrow footprint allows clearance through doorways and down stairwells.
- 7. Engineered inlet and outlet diffusers are removable to inspect/clean piping.
- 8. For on the-floor or buried applications.

ENGINEER SPECIFICATION GUIDE

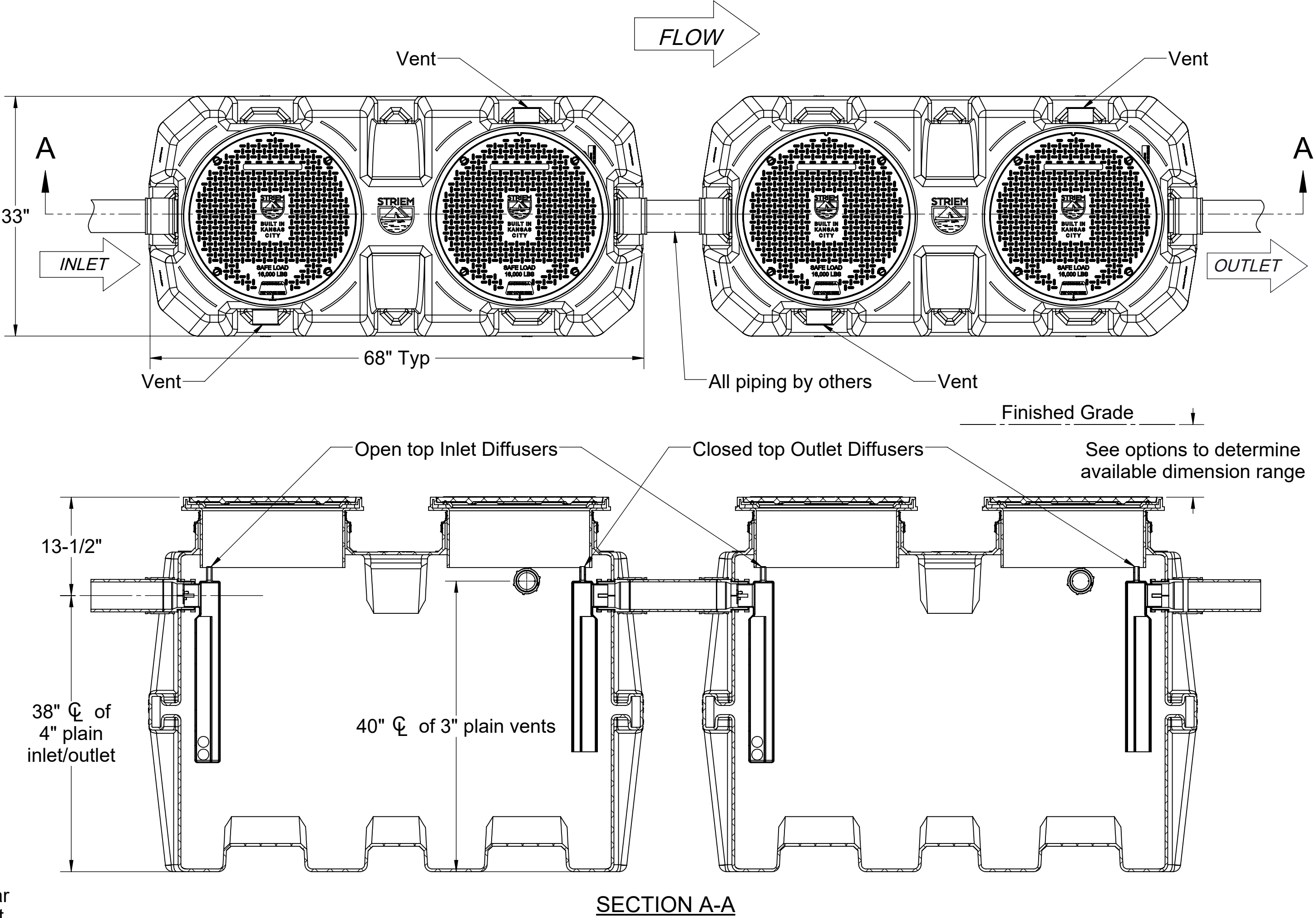
Striem Oil Reserve™ oil/sand separator model OS-500 shall be lifetime guaranteed and made in USA of seamless, rotationally-molded Medium Density Polyethylene. Separator shall be furnished for above or below grade installation, with field adjustable riser system, built-in flow control, and vent connections. Separator flow rate shall be 100 GPM. Separator capacity shall be 288 gallons of oil and 95 gallons of sediment. Cover shall provide water/gas-tight seal and have maximum 16,000 lbs load capacity.

DIFFUSION FLOW TECHNOLOGY

The inlet diffuser splits influent into three paths, creating laminar flow and utilizing the entire liquid volume of the tank for efficient oil separation. The calibrated openings greatly reduce influent turbulence. The influent enters the main chamber without disturbing the existing oil or sand layers. The bottom of the outlet diffuser allows only effluent that is free of oil to exit the tank.

THIRD PARTY STRUCTURAL ANALYSIS

The OS-500 has been structurally analyzed in accordance with the requirements of IBC 2012 and ASCE/SEI 7 for direct burial. The maximum burial depth and backfill material are specified in our installation instructions. The structural design has been reviewed and sealed by a professional engineer registered in the state of California. A sealed structural analysis report is available upon request.



OPTIONS

- ☐ 4M - 4" Male Thread Inlet / Outlet
- ☐ 6P - 6" Plain End SCH.40 Inlet / Outlet
- ☐ C24-HP (2) - H20 Rated Pickable Cast Iron Covers
- ☐ CC24 (2) - Integral Membrane Clamping Collar Kit
- ☐ CS3 - Clean Sweep Coalesing Media (single)
- ☐ CS6 - Clean Sweep Coalesing Media (double)
- ☐ AK1 - High Water Anchor Kit

TeleGlide RISER OPTIONS

- ☐ SR24, >6"-24"
- ☐ LR24, >24"-39"
- ☐ SR24 (2), >39"-43"
- ☐ SR24 + LR24, >43"-58"
- ☐ LR24 (2), > 58"-72"

MODEL NUMBER:		OS-500	
DESCRIPTION:		(2) OS-100 UNITS IN SERIES	
DWG BY: MJ	DATE: 05/28/2020	REV:	ECO:

SPECIFICATION SHEET

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