

SPECIFICATIONS

1. 4" Plain End inlet/outlet, 3" Plain End vents.
2. Max flow rate: 100 GPM
3. Capacities: Liquid: 500 gal. (67 cu. ft.); Oil: 288 gal.; Sand: 95 gal.
4. Unit weight with composite covers: 225 lbs. (ea)
With pickable cast iron covers: 345 lbs. (ea)
5. Maximum operating temperature 140°F continuous.
6. Highway rated covers: 16,000 lb. capacity.

NOTES

1. Snap-in Flow control (ships with unit).
2. Seamless medium density polyethylene tank.
3. Unit supplied with built-in adapter for up to 5" of adjustability. Additional riser(s) available for deeper burial depth.
4. Cover placement allows full access to tank for proper maintenance.
5. Narrow footprint allows clearance through doorways and down stairs.
6. Engineered inlet and outlet diffusers are removable to inspect/clean piping.
7. For on the-floor or buried applications.

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.

ENGINEER SPECIFICATION GUIDE

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

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.

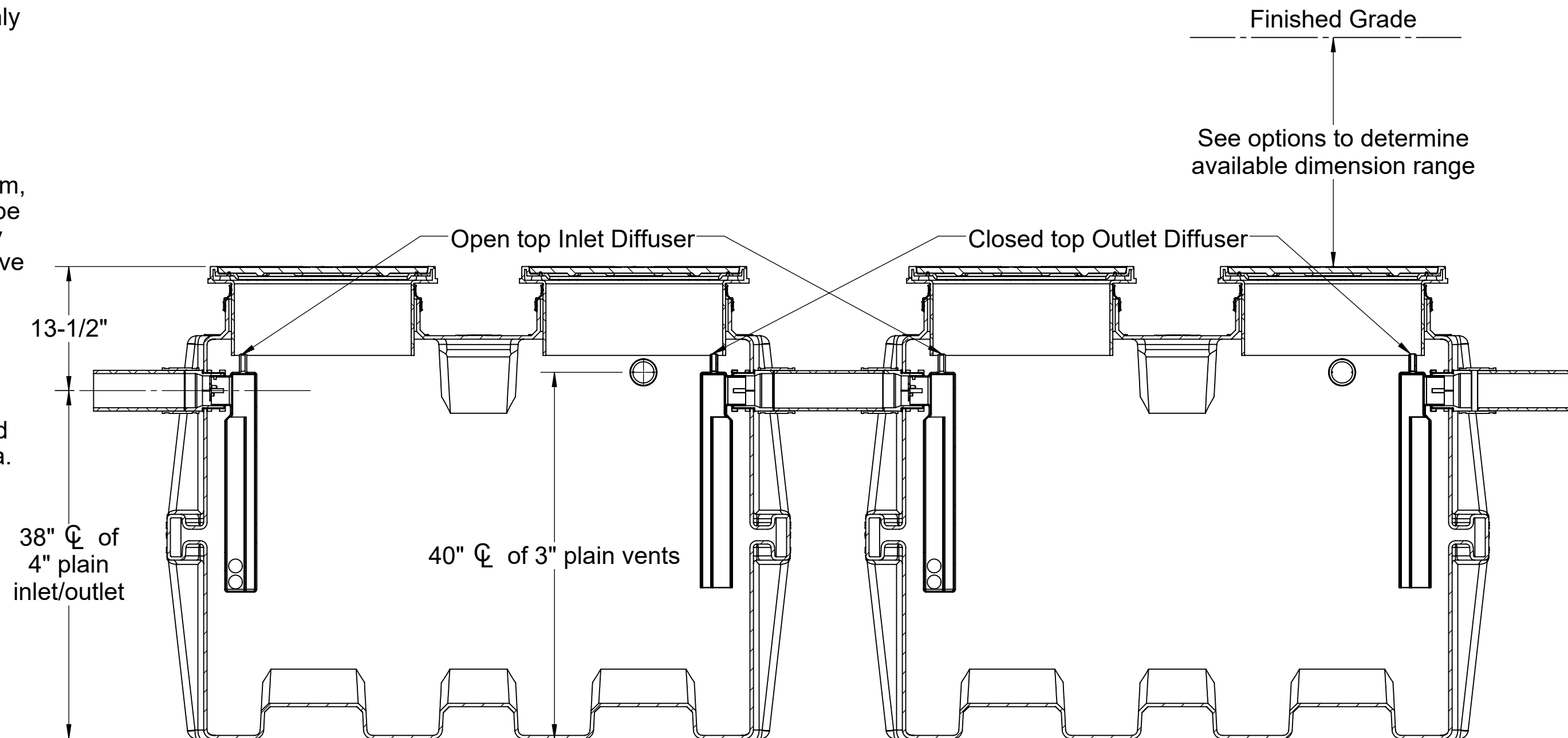
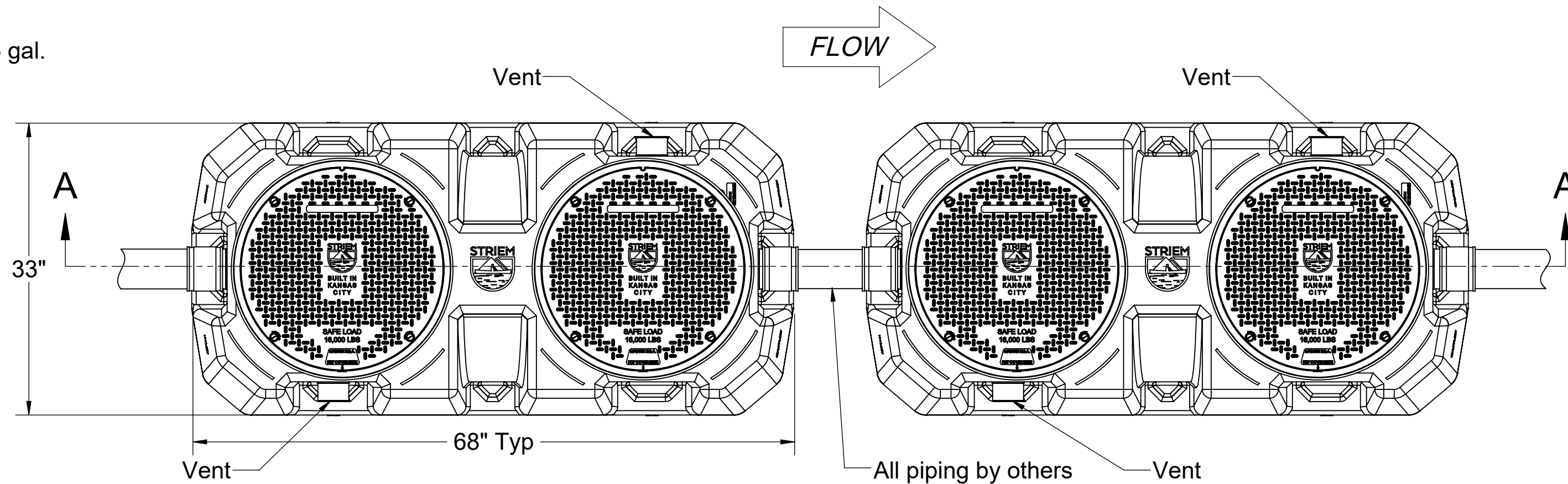
OPTIONS

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

*Clean Sweep Coalescing Media not compatible with CPRK

RISER OPTIONS

- SR24** (4) - >5"-24"
- LR24** (4) - >24"-39"
- SR24** (8) - >39"-43"
- SR24** (4) + **LR24** (4) - >43"-58"
- LR24** (8) - >58"-72"
- SR24** (4) + **LR24** (8) - >72"-90"
- CPRK** (4) : >11" - 90"
 - Corrugated Pipe Riser Kit.
 - 18" diameter corrugated pipe by others.
 - Used in substitute of SR/LR riser options
 - See CPRK specification for more detail.



SECTION A-A

MODEL NUMBER: OS-500	
DESCRIPTION: (2) OS-100 UNITS IN SERIES	
DWG BY: WLF	DATE: 5/5/21
REV:	ECO:

SPECIFICATION SHEET

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Made in the U.S.A

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