NOTES

1. 4" or 6" plain end inlet/outlet
2. Unit weight: 1080 lbs. For wet weight, add 12,525 lbs. For traffic-rated cover(s), add 90 lbs. per cover. For pedestrian cover(s), add 7 lbs. per cover
3. Maximum operating temperature: 150º F continuous
4. Liquid Capacity: 1500 gal
   Grease Capacity (100 GPM): 10,061lbs. (1,379 gal)
   Grease Capacity (200 GPM): 9,446 lbs. (1,294 gal)
   Solids Capacity: 318 gal
5. For gravity drainage applications only.
6. Cover placement allows full access to tank for proper maintenance.
7. Vent not required unless per local code.
8. Engineered inlet and outlet diffusers with inspection ports are removable to inspect / clean piping.
9. Integral air relief / Anti-siphon / Sampling access.
10. Adjustable cover adapters provide up to 4" of additional height.
11. Designed for below-grade, above-grade, indoor or outdoor installations.
12. Safety Star®, access restrictor built into each cover adapter, prevents accidental entry to tanks (450 lb rating).

ENGINEER SPECIFICATION GUIDE

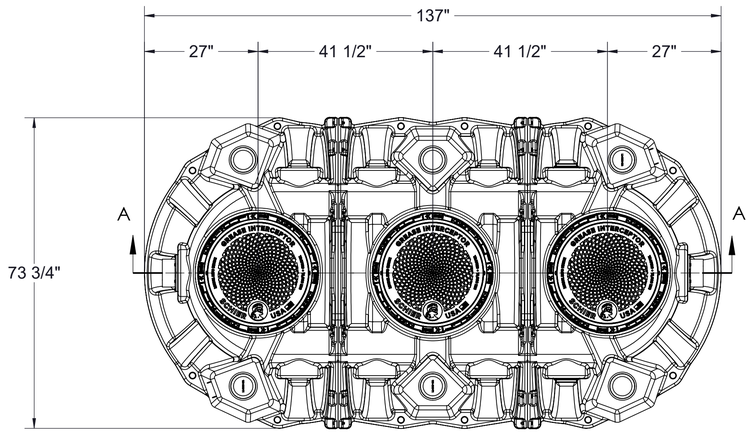
Schier Great Basin™ grease interceptor model # GB-1500 shall be lifetime guaranteed and made in USA of seamless, molded polyethylene with minimum 7/16" uniform wall thickness. Interceptor shall be furnished for above or below-grade installation with adjustable cover adapter and Safety Star® access restrictor built into each cover adapter. Interceptor shall be certified to ASME A112.14.3 (Type D) and CSA B481.1 as well as certified to IAPMO/ANSI Z1001-2021. Interceptor flow rate shall be 100 GPM or 200GPM. Interceptor grease capacity shall be 10,061 lbs. Cover shall provide water/gas-tight seal and have minimum 16,000 lbs. load capacity.

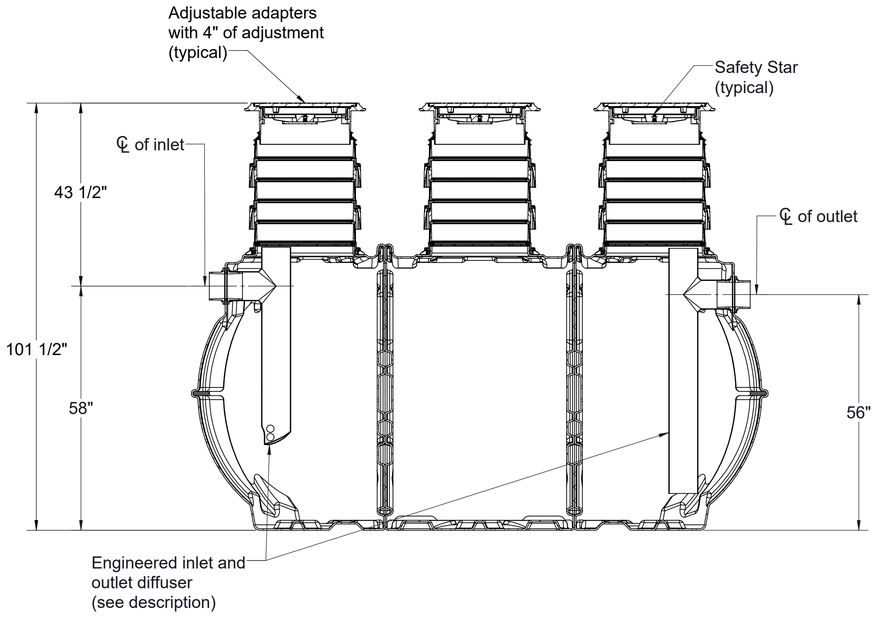
Options

- T24-GI: Traffic-rated cast iron cover - H20 load rated pickable cast iron cover **(Required if unit is installed exterior of the building)**
- P24-GI: Pedestrian-rated poly cover **(Required if unit is installed interior of the building)**
- 4" Plain end connections
- 6" Plain end connections

Accessories

- FCR24 - Fast Pitch riser
- CC2 - Clamping collar kit
- AK3 - Anchor Kit





BELOW GRADE INSTALLATION INSTRUCTIONS

EXCAVATION

1. Locate unit as close as possible to fixtures being served.
2. Width and length of excavation shall be minimum 12" greater than the tank on all sides and ends.
3. Depth of excavation shall be 6" deeper than tank bottom.
4. Per Fox Metro requirements, minimum of 42" of cover and a minimum of 1.00% slope is required for all exterior 4" and 6" sanitary piping.
5. Set the tank in well-packed crushed aggregate IDOT CA #7 backfill material approximately 3/4" size rock with no fines.
6. The need for an anchor due to high water table conditions to prevent float out is to be determined by specifying engineer. If necessary, anchor is deemed necessary order optional "Anchor Kit".

BACKFILLING & FINISHED CONCRETE SLAB

1. Preparation of sub grade per geotech recommendations.
2. Stabilize and compact sub grade to 95% proctor.
3. Fill tank with water before backfilling to prevent float out during piping installation.
4. Before backfilling and pouring of slab secure cover(s) to the unit(s)
5. Backfill using crushed aggregate IDOT CA #7 backfill material approximately 3/4" size rock with no fines.
6. There must be 6" of IDOT CA #7 backfill material under and 12" over all external piping.
7. Place 6" aggregate base under slab. Aggregate should be IDOT CA #7
8. Thickness of concrete around cover to be determined by specifying engineer. If H20 loading is required the concrete slab dimensions shown are for guideline purposes only.
9. Concrete to be 28 day compressive strength to 4000 PSI.
10. NO. 4 rebar (℄ 1/2") grade 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.
13. All penetrations to be sleeved or have slip connections.

CONNECTIONS

1. All pipe connections shall be made with Non-Shear couplers.

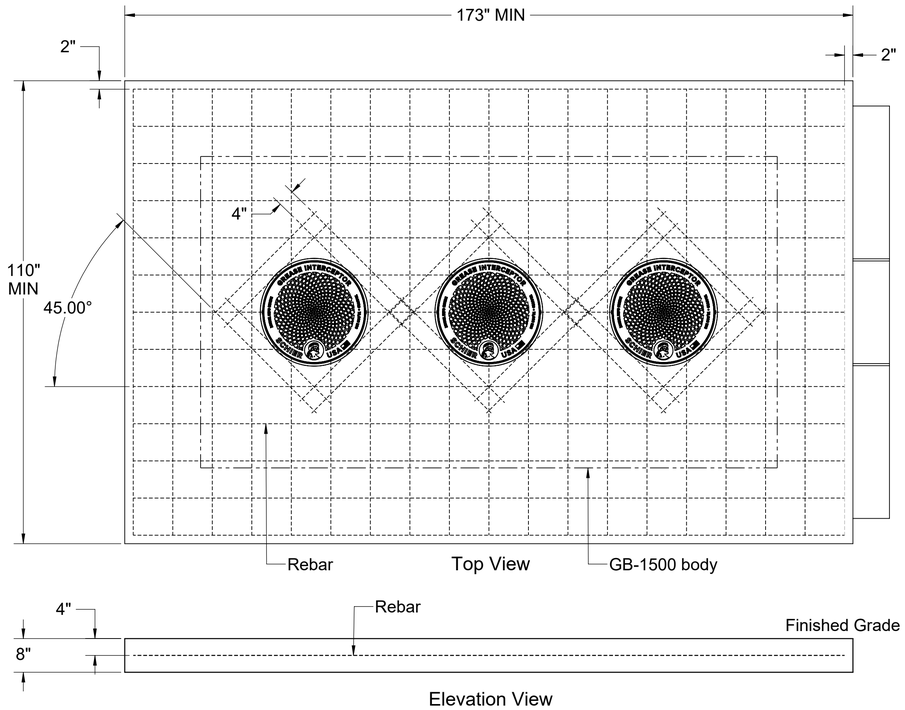
ON THE FLOOR INSTALLATION

NOTES

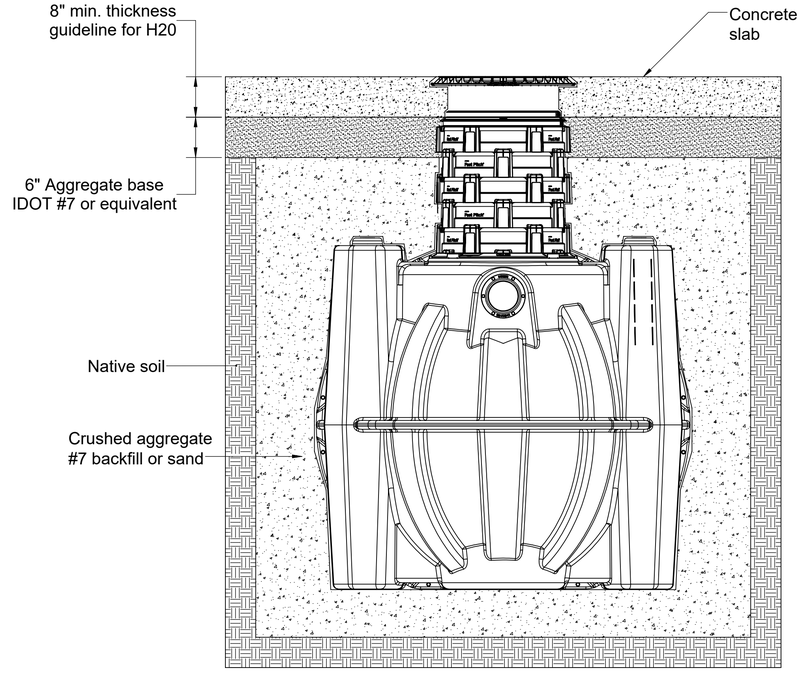
1. Installation of Great Basin units indoors allowed only with written consent of Fox Metro Water Reclamation District.

Fox Metro Water Reclamation District Notes:

1. For exterior installations, dual manway units required in Fox Metro's service area. No venting is required.
2. 6" units shall be installed when the proposed design indicates 6" piping upstream and downstream. 4" connections are only used when a 4" sewer exits the building, passes through the unit, and then re-joins the 4" internal building drain.
3. All external pipe connections shall be made with non-shear couplings.
4. Min. of 3.5' of cover and 1% slope for all external piping.
5. CA-7 Class 1A stone 6" under and 1' over all external piping.
6. Only H20 (min.) load-rated cast iron lids and frames with concealed pick holes and watertight gaskets are allowed.



Concrete Slab Detail for H20/HS20 Loading



Excavation and Backfill Detail

DESCRIPTION:
Schier Great Basin Grease Interceptor Model GB-1500,
Flow rate 100/200 GPM, 1,500 Gal Liquid Capacity
4" or 6" Fittings Fox Metro Wastewater Detail

MODEL NUMBER: GB-1500	**DOCUMENT No. :** 900-0281-01	
DWG BY: TEU	**DATE: 7/11/23**	**REV: 1 - 11/24/25**

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