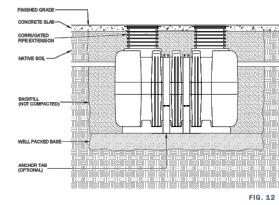


INSTALLATIONS

BELLOW GRADE/BACKFILL INSTALL:

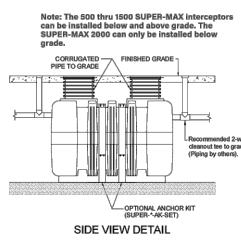
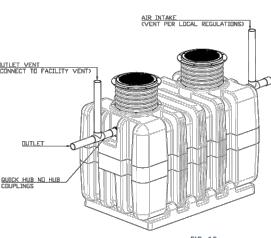
- Install the interceptor(s) as close as practical to the fixtures being served.
- The excavation must be a minimum of 12" greater on all sides of the tank.
- The depth of the excavation must be greater than 6" on the bottom of the interceptor.
- Backfill while filling the interceptor with water at an equal rate until you reach the top of the backfill. (Do not compact the backfill)
- Fully install the double wall corrugated pipe and lid prior to backfilling.
- Concrete or finishing material requirements are to be determined by the specifying engineer.
- Enclose the interceptor in well-packed soil or sand backfill. Do not compact backfill around interceptor.
- To prevent frost cut: the Anchor kit is recommended for installations in high water table conditions. This is to be determined by the specifying engineer.
- Fill the Interceptor with 12" of water, then backfill with 12" of soil to grade level. (Repeat operation until filled)** Properly backfill per project specs. (Note: Do not compact backfill around unit)



INSTALLATIONS

GENERAL INSTALLATION

- The 500 thru 1500 SUPER-MAX interceptors can be installed below grade. The HDPE ribbed construction allows these interceptors to be placed on an engineered approach to prevent infiltration and infiltration. For normal use, SUPER-MAX interceptors will require no additional support to maintain full functionality. Seismic ratings and needed should be determined by a design engineer based on engineering analysis. The interceptor should be located in a visible and easily accessible area for maintenance, cleaning, and inspection. Allowing space for the service provider to properly maintain the vessel is a key consideration to efficient functionality.
- MIFAB interceptors should be set in place by the installer. The installer should ensure the pipe/fit is level and load rate compliant. The designed storage capacity of the interceptor and required codes will determine the plumbing schedule.
- When installing a MIFAB interceptor, proper venting is strongly recommended. A vent line should be located at the outlet of the unit which is preferred, or as close as possible to the outlet connection. MIFAB recommends a vent at least 50% of the unit's height above the outlet connection. **AWWA** consider and follow all local and industry code requirements.
- Connection to the plumbing system is achieved by the use of no hub couplings. MIFAB recommends the use of Quick Hub to hub couplings. This will provide protection for the pipe as well as a smooth transition in the plumbing connection between the SUPER-MAX unit and the plumbing system. No hub couplings should be installed and torqued to the specified manufacturers recommendations.
- Each SUPER-MAX unit is supplied with a factory sized internal flow control for each size unit available. An optional, external flow control fitting is available when the -PDI suffix is selected.
- Pipe supports should be located every 18" on vertical and horizontal piping. Allow for expansion as per local and national codes.
- When combining more than one grease or solids interceptor in series or parallel always provide a 1" fall or change in grade between units.



FINISHED CONCRETE SLAB

Slab must extend 12" minimum outside the footprint of the unit. Pedestrian traffic areas: 4" thick reinforced concrete slab required. Vehicular traffic areas: Minimum 8" thick concrete slab with rebar is required.

Thickness of concrete around cover to be determined by specifying engineer. If traffic loading is required, the concrete slab dimensions must be determined by a traffic engineer or engineer of record. Concrete to be 28 day compressive strength to 4,000 PSI. Use #4 rebar (1/2") grade 60 steel or ASTM A613; connected with 110% Rebar. Reinforcement must be on edge of concrete and spaced in a 12" grid with 4" spacing around access openings.

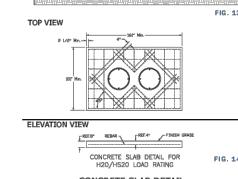


FIG. 14
CONCRETE SLAB DETAIL

SPECIAL PRECAUTIONS

1. HIGH TEMPERATURE KITCHEN WATER

If there is water entering the interceptor at over 150°, a cold water line must be installed and approved backflow prevention assembly must be installed. Generally, State and local plumbing codes prohibit water above 150°F from being discharged into the sewer.

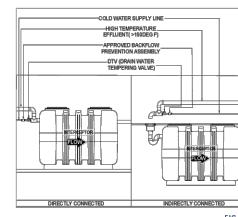


FIG. 1
DIRECTLY CONNECTED

FIG. 2
INDIRECTLY CONNECTED

2. HYDROSTATIC SLABS (OR PRESSURE SLABS)

Interceptor must be enclosed in a water concrete slab when installed under a water concrete slab (slab designed to withstand upward lift- typically caused by hydrostatic pressure).

Installation not applicable for SUPER-2000

3. MAXIMUM WATER LEVEL

The water level must not go above the height of inlet / outlet connection

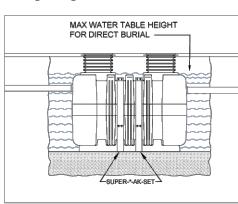
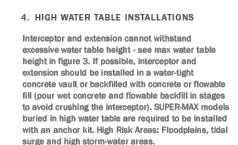
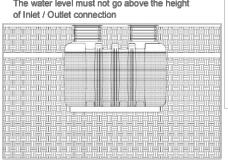


FIG. 4
MAX WATER TABLE HEIGHT FOR DIRECT BURIAL

FIG. 5
SUPER-AK-SET (SPECIFY SIZE)

SPECIAL PRECAUTIONS

5. INSTALLATION SUPPORT - ANCHOR KITS

Anchor kits are recommended for installations in high water table conditions to prevent floating. Necessity to be determined by Project Engineer. Hold down force is achieved by anchor weight resting on anchor plates. Bolt upper support brace together, then place over center channel. Bolt the anchor plate and upper support brace together using bolting hardware. Anchor plate may be bolted to concrete slab using provided holes.

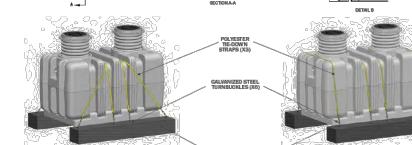
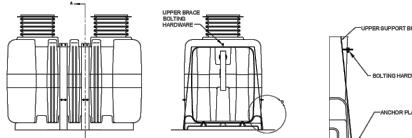
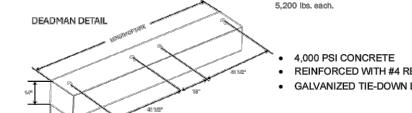


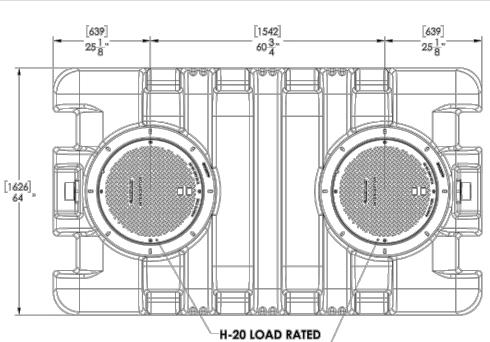
FIG. 6
SUPER-AK-SET-2 (SPECIFY SIZE)

The SUPER-AK-SET2 is used when greater hold down strength is required. The polyester tie-down straps are rated at 4,000 lbs. working load each and the turnbuckles are rated at 5,200 lbs each.

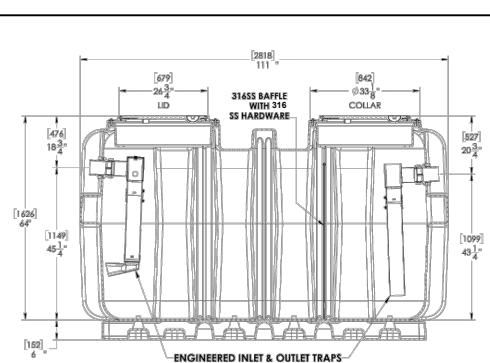


DEADMAN DETAIL

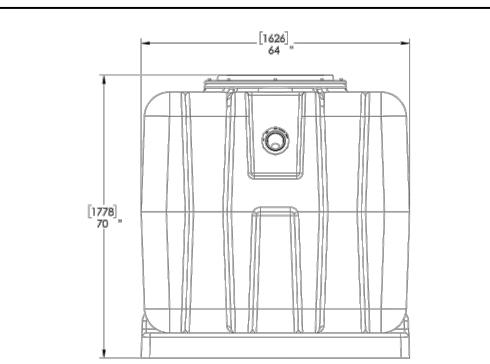
- 4,000 PSI CONCRETE
- REINFORCED WITH #4 REBAR
- GALVANIZED TIE-DOWN LOOPS



TOP VIEW



SECTION VIEW



INLET END VIEW

FOX METRO WATER RECLAMATION DISTRICT NOTES:

- Minimum of 42" of cover and a minimum of 1.00% slope is required for all exterior 4" and 6" piping
- All external pipe connections shall be made with non-shear couplings
- Pipe type(s) installed upstream and downstream of unit as per the approved plan
- Only CA-7 Class 1A stone is required 6" under and 12" over all external piping
- 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.
- Only H20 (min) load-rates cast-iron lids and frames with concealed pick holes and watertight gaskets are allowed and shall be equivalent to Neenah cat. #R-1712-B or East Jordan cat. #1051-3
- For exterior installations, dual manway units are required in Fox Metro's service area. No venting is required.
- No flow control devices are allowed.
- The baffle and its hardware are made out of 316 stainless steel

MIFAB

TITLE: SUPER-1000-FM

SIZE	DWG. NO.	REV
C	XXXXX	
SCALE:	WEIGHT:	SHEET 1 OF 1

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