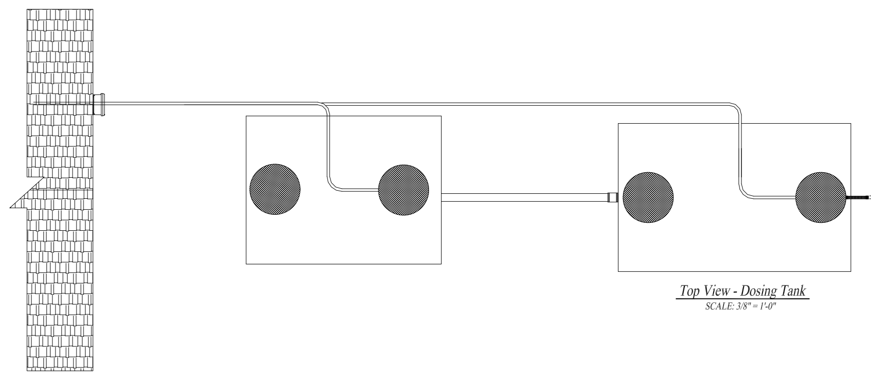
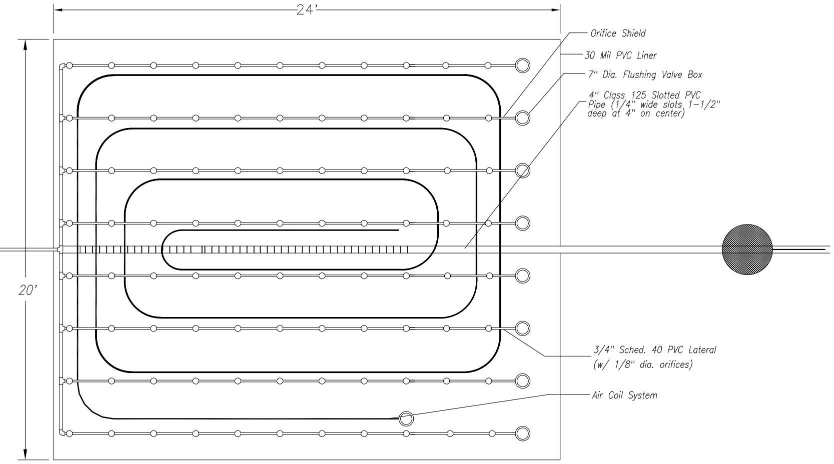
Drawing: ISF 20x24 Pumped w/ Basin (2 Tanks)

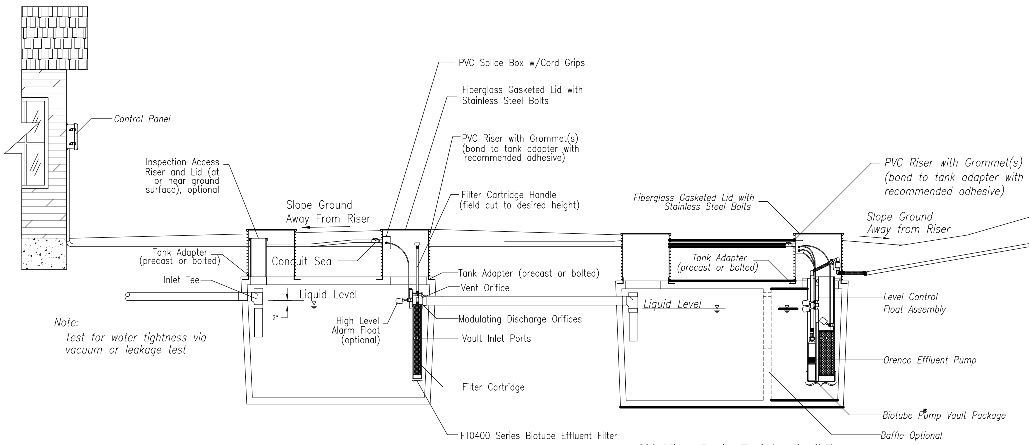


Top View - Dosing Tank
SCALE: 3/8" = 1'-0"



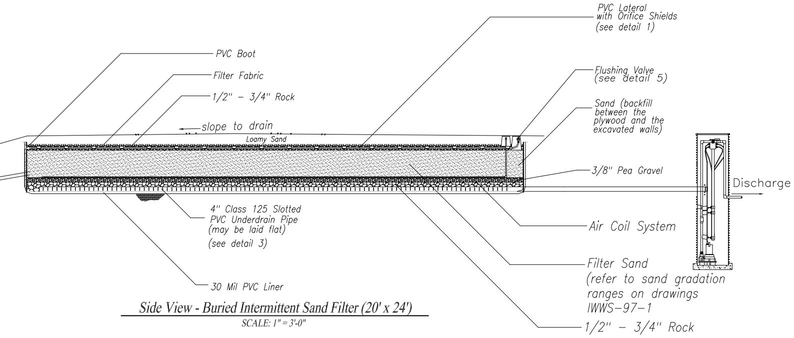
Top View - Buried Intermittent Sand Filter (20' x 24')
SCALE: 1" = 3'-0"

Note:
(See OSI approved Sand Filter drawings for Gravity Discharge Sand Filter)



Note:
Test for water tightness via vacuum or leakage test

Side View - Dosing Tank (see detail 7)
SCALE: 3/8" = 1'-0"



Side View - Buried Intermittent Sand Filter (20' x 24')
SCALE: 1" = 3'-0"

DRAWN	SCALE	DATE	APPROVED
jdu		12/20/04	

7125 East Pickard Road
P. O. Box 309
Mt. Pleasant, MI 48804-0309
ph-989-773-9938
fax-989-772-3415

MILAN Engineered Systems

NO	REVISION	DATE	BY
1.	12/04		jdu
2.	6/08		SLB
3.			
4.			
5.			

SHEET 1 OF 1

DRAWING NO. L4

Materials Take-off - ISF1036G

Septic Tank Equipment	
RR2418+S+12	PVC Access Riser; 24" w/S,G125
FL24-4B	Fiberglass Lid; 24" w/G
PRTA24	ABS Riser/Tank Adapter 24" Dia
PRTA24BDKIT	Bolt Down Kit, Prta24
MA320	200 G Epoxy Kit
X4S1254-1819	Simplex Biotube Pump Vault (Tank Dimensions will determine model) *call Orenco
SB4	PVC Splice Box w/4 Cord Grips
MF3A	Float Assembly; YG,R,W
HV125BCX	Hose & Valve Assembly; 1.25" w/B,C,X
P300511	OSI Effluent Pump; 1/2Hp,115V,60Hz,10' Lead
PAWARRANTY	5-Year Warranty for OSI High Head Pumps
Sand Filter Equipment	
LI1945	30 Mil PVC Liner; 19'x45'
LIB125	30 Mil PVC Boot Kit; 1.25"
LIB400	30 Mil PVC Boot Kit; 4"
SFM1036G-1	10x36 Isf Manifold Kit, Gravity
LIFF10-36	Filter Fabric, 10' x 36'
SFAC150	150' Air Coil Kit for up to 600 sq. ft. ISF
MVP-S1PTROEMTCT	MVP Simplex Panel, 115V W/PT, RO, ETM, CT
ISFO&MVIDEO	Sand Filter Video and O & M Manual

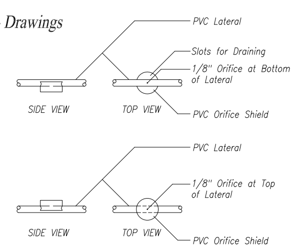
General Notes

Materials not supplied by Orenco Systems Inc.

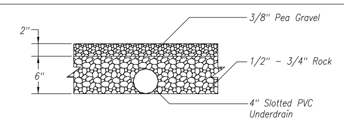
- Septic tank(s)
- Sewer pipe from building to tank
- Transport piping from pump to sand filter
- Electrical conduit and fittings
- Sand and gravel for sand filter construction
- Plywood support frame for sand filter construction
- Piping from sand filter to drainfield or disposal area
- Disposal area materials, such as rock, lateral piping, etc. (unless Orenco shallow gravelless drainfield is supplied)

Contact Orenco for cold weather climate equipment options

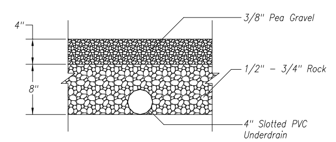
Detail- Drawings



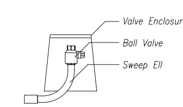
(DETAIL 1) STANDARD ORIFICE SHIELD
SCALE: 1" = 1'-0"



(DETAIL 3) UNDERDRAIN DETAIL FOR GRAVITY DISCHARGE
SCALE: 1" = 1'-0"



(DETAIL 4) UNDERDRAIN DETAIL FOR PUMP DISCHARGE
SCALE: 1" = 1'-0"



(DETAIL 5) FLUSHING VALVE
SCALE: 1" = 1'-0"