

STATE OF VERMONT MOUND SAND SPECIFICATIONS

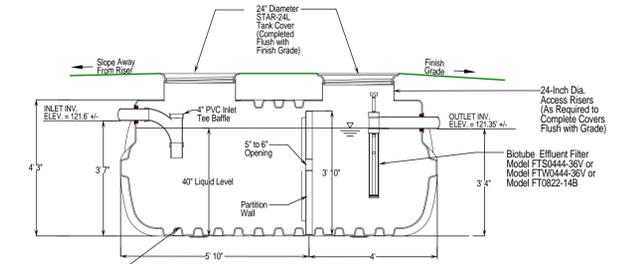
(c) Fill Material: The fill material from the natural soil plowed surface to the top of the trench or bed shall be clean washed silica sand meeting one of the following sieve requirements:

Sieve Number	Opening (mm)	Percent Passing, by Weight
3/8	9.500	85 - 100
40	0.420	25 - 75
60	0.240	0 - 30
100	0.149	0 - 10
200	0.074	0 - 5

Sieve Number	Opening (mm)	Percent Passing, by Weight
4	4.750	95 - 100
8	2.380	80 - 100
16	1.190	50 - 85
30	0.590	25 - 60
50	0.297	10 - 30
100	0.149	2 - 10

Sieve Number	Opening (mm)	Percent Passing, by Weight
3/8	2.000	85 - 100
40	0.420	30 - 50
200	0.074	0 - 5

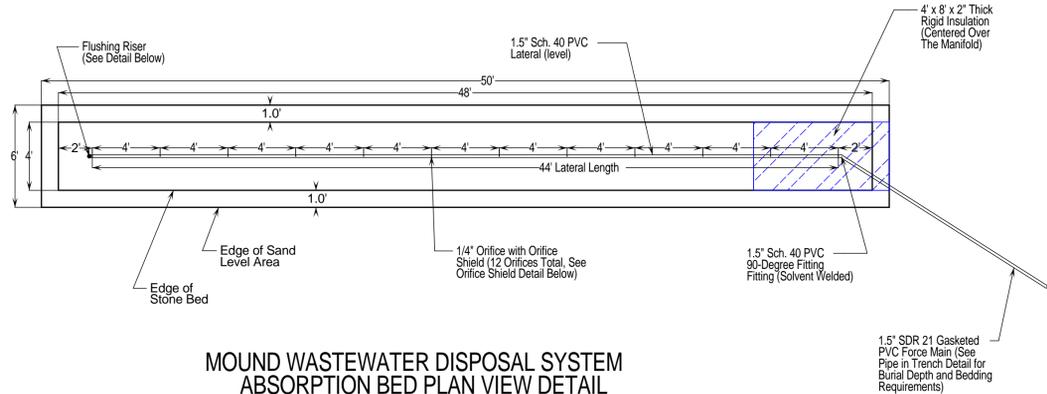
The material must meet the specifications 1, 2, or 3 above. Interpolation of analyses is not permitted. Fill material 2 is ASTM Specification C-33 and is intended for manufactured material.



- NOTES:
- SEPTIC TANK SHALL BE A 1,000-GALLON PLASTIC SEPTIC TANK AS MANUFACTURED BY ROTHFRALD PLASTIC.
 - SEPTIC TANK SHALL BE SET LEVEL AND INSTALLED TO MANUFACTURERS SPECIFICATIONS.
 - AN INLET TEE Baffle IS REQUIRED.
 - INLET AND OUTLET PIPE PENETRATIONS TO BE SEALED USING WATER-PROOF SEALS.
 - BIOTUBE EFFLUENT FILTER MODEL #FTS0444-36V, FTW0444-36V OR FT0822-14B IS REQUIRED.
 - FRONT COMPARTMENT AND EFFLUENT FILTER ACCESS SHALL BE COMPLETED FLUSH WITH FINISH GRADE.

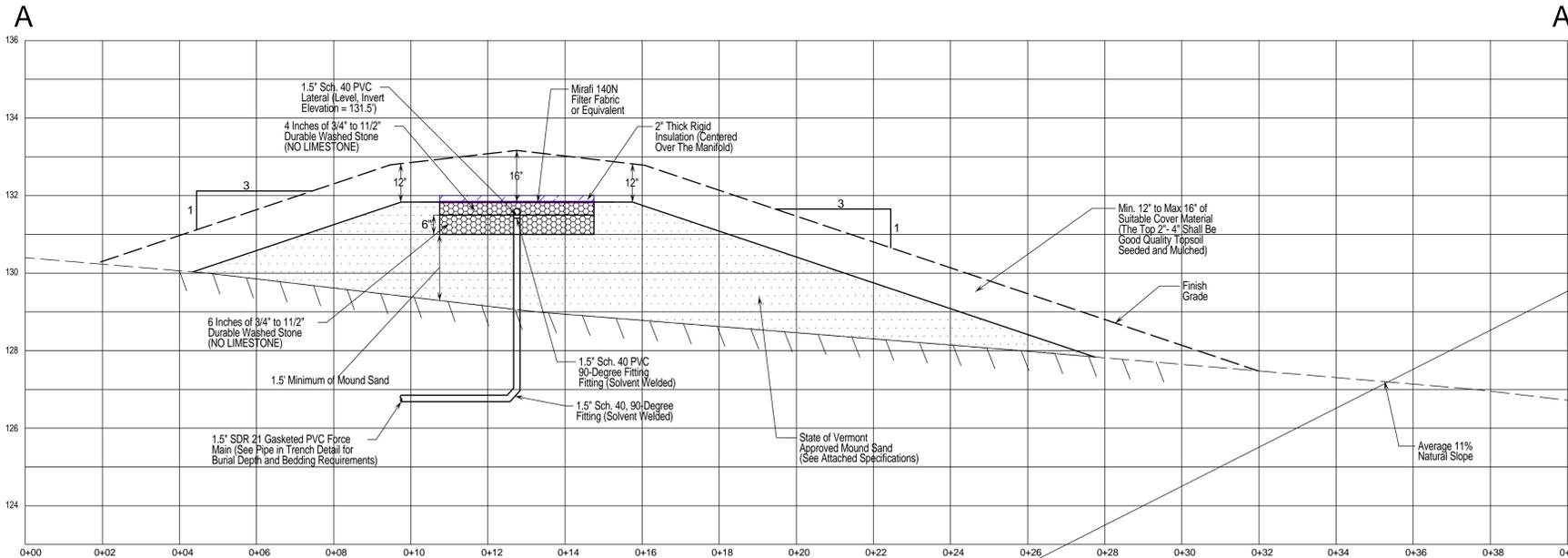
1,000-GALLON PLASTIC SEPTIC TANK

NOT TO SCALE



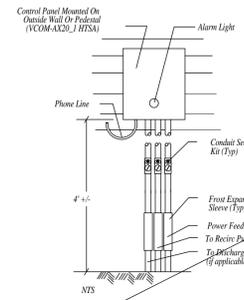
MOUND WASTEWATER DISPOSAL SYSTEM ABSORPTION BED PLAN VIEW DETAIL

SCALE = 1-INCH = 5-FEET



MOUND WASTEWATER DISPOSAL SYSTEM SECTION

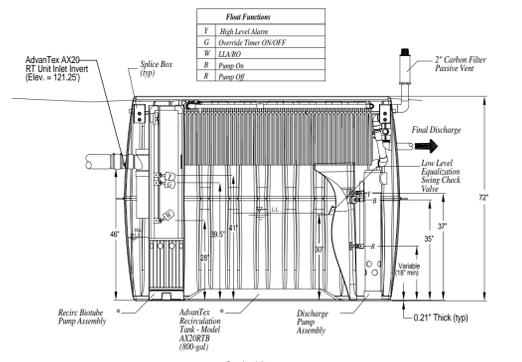
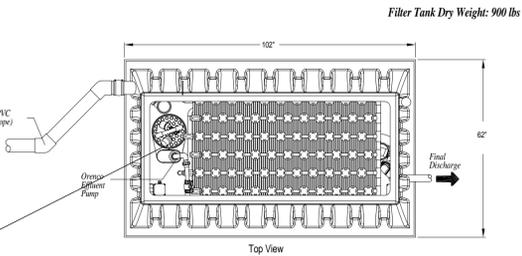
VERTICAL SCALE = 1-INCH = 2-FEET
HORIZONTAL SCALE = 1-INCH = 2-FEET



- Electrical Notes:
- Required Circuits from main breaker panel: (1) 20A & (1) 30A 115V (Preferred: (1) 20A, (2) 30A)
 - Required Circuits from Control Panel to each splice box: (1) #14 AWG THHN (Stranded), (3) #12 AWG THHN (Stranded) in 3/4" x 1/2" conduit.
- Design Notes:
- Phone Line with minimum service is required. Does NOT need to be a dedicated line.
 - Tank coordination and approval by WTI is required prior to construction. Tank must meet minimum structural standards and be tested for water-tightness.
 - Float and RSV settings based on typical flow applications may be modified based upon design/field verification.
 - Manufacturer requires this system to be installed and maintained by a trained/authorized installer/maintenance provider. Failure to maintain an ongoing O&M contract may result in voiding of any/warranty. Other State and/or Local requirements of regulations may apply.
 - For more details regarding components, installation or operation of this system please contact Wastewater Technologies, Inc. Milton, VT 877-212-3219
 - The Advantex control panel shall be set to provide a timed dose of 20 gallons per hour or less. Timed dosing shall be set by WTI or Camp Pre-Cast once the unit is installed.
- Expected Flows: Q = 250 gpd, 2 Bedrooms
- Expected Influent Quality: Grease & Oil: 20 mg/L, BOD: 150 mg/L, TSS: 40 mg/L, TN: 65 mg/L
- Typical Effluent Quality: BOD: < 10 mg/L, TSS: < 10 mg/L, TN: < 25 mg/L

Electrical Details & Notes

NOT TO SCALE



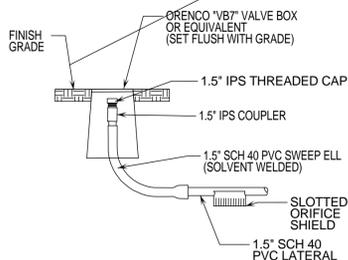
AX20RTB - Pump Discharge, 2-Comp. Recirculating Tank

- ADVANTEK AX20 RT UNIT INSTALLATION NOTES:
- THE FINAL DISCHARGE PUMP SHALL BE A PF300511 EFFLUENT PUMP.
 - THE ADVANTEK AX20 RTB UNIT SHALL BE INSTALLED USING ANTI-VIBRATION ANCHORS ON EITHER SIDE OF THE TANK AS SHOWN ON THE INSTALLATION MANUAL.
 - THE ADVANTEK AX20 RTB IS SUPPLIED BY CAMP PRE-CAST OF MILTON, VERMONT AND SHALL BE INSTALLED TO MANUFACTURERS SPECIFICATIONS.

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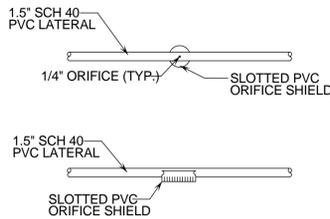
WASTEWATER DISPOSAL SYSTEM CONSTRUCTION AND MAINTENANCE NOTES

- THE WASTEWATER DISPOSAL SYSTEM LOCATION SHALL BE STAKED OUT BY THE DESIGNER PRIOR TO START OF CONSTRUCTION.
- ATTACHED MOUND SYSTEM CONSTRUCTION INSTRUCTIONS SHALL BE FOLLOWED DURING THE INSTALLATION OF THE REPLACEMENT MOUND-TYPE WASTEWATER SYSTEM.
- THE DESIGNER SHALL BE NOTIFIED AT LEAST 48 HOURS IN ADVANCE FOR INSPECTIONS OF THE SEPTIC TANK, PRE-TREATMENT SYSTEM, FLOWED LAYER, AND PLACEMENT OF THE MOUND SAND.
- THE DESIGNER SHALL BE NOTIFIED AT LEAST 48 HOURS IN ADVANCE FOR A FLOW TEST OF THE MOUND SYSTEM'S PRESSURE DISTRIBUTION NETWORK.
- MOUND SYSTEM FINISH GRADES WILL VARY WITH NATURAL TOPOGRAPHY. PRIORITY IS TO MAINTAIN A 3 ON 1 MOUND TOE SLOPES.
- IN ACCORDANCE WITH STATE OF VERMONT EPRS, AN ANNUAL SERVICE AND MAINTENANCE CONTRACT RELATIVE TO THE AX20RTB ADVANCED TREATMENT SYSTEM SHALL BE IN PLACE AT ALL TIMES.
- FOLLOWING THE MOUND WASTEWATER SYSTEM INSTALLATION, FINISH GRADE SHALL BE SEEDED WITH A CONSERVATION GRASS SEED MIX AND MULCHED.
- WATER SOFTENER BACKWASH, SEPTIC TANK ADDITIVES, GREASE OR SANITIZERS SHALL NOT BE INTRODUCED INTO THE WASTEWATER DISPOSAL SYSTEM.



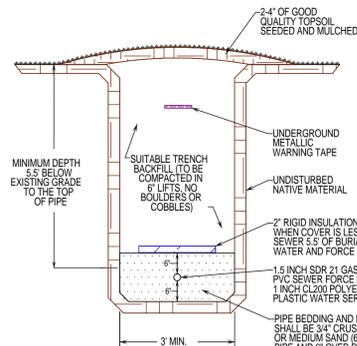
FLUSHING RISER DETAIL

NOT TO SCALE



ORIFICE SHIELD DETAIL

NOT TO SCALE



GRASSED AREA PIPE IN TRENCH DETAIL

NOT TO SCALE

PERMITTING		4400 VT Route 17 Starksboro, VT 05487	
TITLE:		Telephone: (802) 453-2597 Fax number: (802) 453-8497 E-mail: jbsitetch@hotmail.com	
REPLACEMENT WASTEWATER SYSTEM DETAILS AND NOTES		<h2>Jason Barnard Consulting, LLC</h2>	
SIGNATURE:		FREDERIC O. AND SHIRLEY J. SARGENT REPLACEMENT WASTEWATER DISPOSAL SYSTEM 210 FIELDS FARM ROAD CHARLOTTE, VERMONT	
		DATE:	DRAWING NO.
		AUGUST 8, 2014	
		SCALE: AS NOTED	2
		DRAWN BY: MJ	
		CHECKED BY: JB	SHEET 2 OF 2