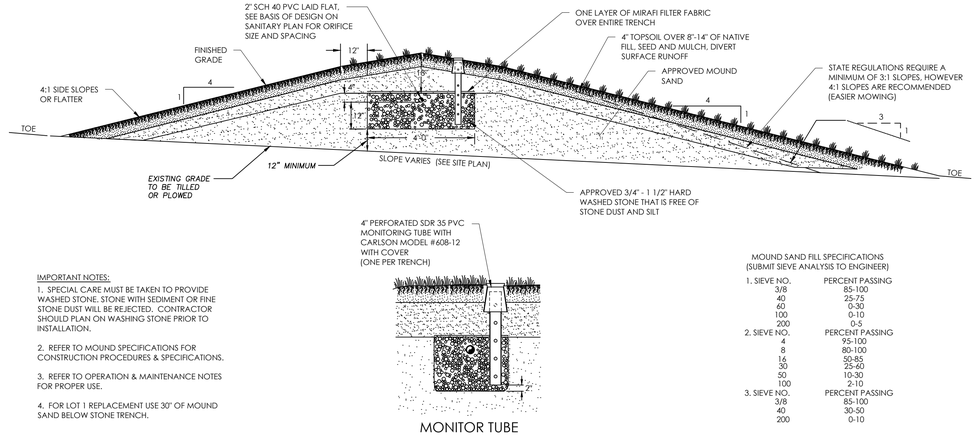

IMPORTANT NOTES:

1. SPECIAL CARE MUST BE TAKEN TO PROVIDE WASHED STONE. STONE WITH SEDIMENT OR FINE STONE DUST WILL BE REJECTED. CONTRACTOR SHOULD PLAN ON WASHING STONE PRIOR TO INSTALLATION.

2. REFER TO MOUND SPECIFICATIONS FOR CONSTRUCTION PROCEDURES & SPECIFICATIONS.

3. REFER TO OPERATION & MAINTENANCE NOTES FOR PROPER USE.

4. FOR LOT 1 REPLACEMENT USE 30" OF MOUND SAND BELOW STONE TRENCH.

MOUND SAND FILL SPECIFICATIONS
(SUBMIT SIEVE ANALYSIS TO ENGINEER)

1. SIEVE NO.	PERCENT PASSING
3/8	85-100
40	25-75
60	0-30
100	0-10
200	0-5
2. SIEVE NO.	**PERCENT PASSING**
4	95-100
8	80-100
16	50-85
30	25-60
50	10-30
100	2-10
3. SIEVE NO.	**PERCENT PASSING**
3/8	85-100
40	30-50
200	0-10

ONE TRENCH MOUND SYSTEM

3/8" = 1'-0"

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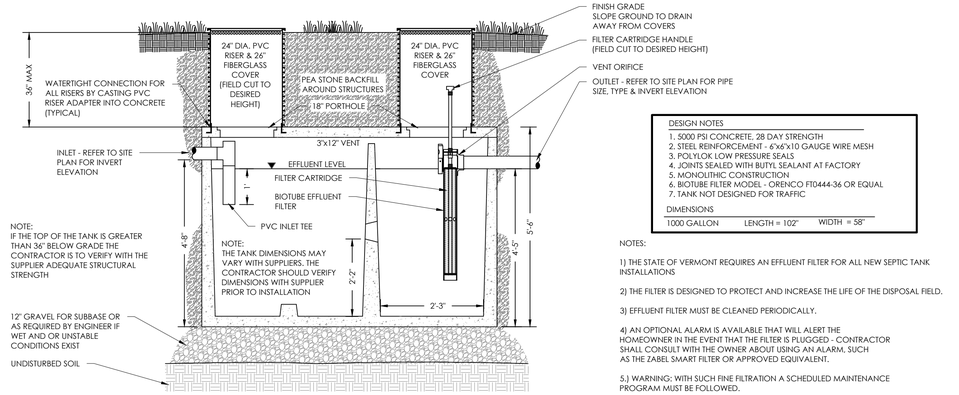

DESIGN NOTES
1. 5000 PSI CONCRETE, 28 DAY STRENGTH
2. STEEL REINFORCEMENT - 6"x6"x10 GAUGE WIRE MESH
3. POLYLOK LOW PRESSURE SEALS
4. JOINTS SEALED WITH BUTYL SEALANT AT FACTORY
5. MONOLITHIC CONSTRUCTION
6. BIOTUBE FILTER MODEL - ORENCO FT0444-36 OR EQUAL
7. TANK NOT DESIGNED FOR TRAFFIC

DIMENSIONS
1000 GALLON — LENGTH = 102" — WIDTH = 58"

NOTES:

1) THE STATE OF VERMONT REQUIRES AN EFFLUENT FILTER FOR ALL NEW SEPTIC TANK INSTALLATIONS

2) THE FILTER IS DESIGNED TO PROTECT AND INCREASE THE LIFE OF THE DISPOSAL FIELD.

3) EFFLUENT FILTER MUST BE CLEANED PERIODICALLY.

4) AN OPTIONAL ALARM IS AVAILABLE THAT WILL ALERT THE HOMEOWNER IN THE EVENT THAT THE FILTER IS PLUGGED - CONTRACTOR SHALL CONSULT WITH THE OWNER ABOUT USING AN ALARM, SUCH AS THE ZABEL SMART FILTER OR APPROVED EQUIVALENT.

5.) WARNING: WITH SUCH FINE FILTRATION A SCHEDULED MAINTENANCE PROGRAM MUST BE FOLLOWED.

6) WARNING: DO NOT PUMP SEPTIC TANK DURING SPRING HIGH GROUNDWATER TABLE CONDITIONS.

1000 GALLON TWO COMPARTMENT SEPTIC TANK

1/2" = 1'-0"

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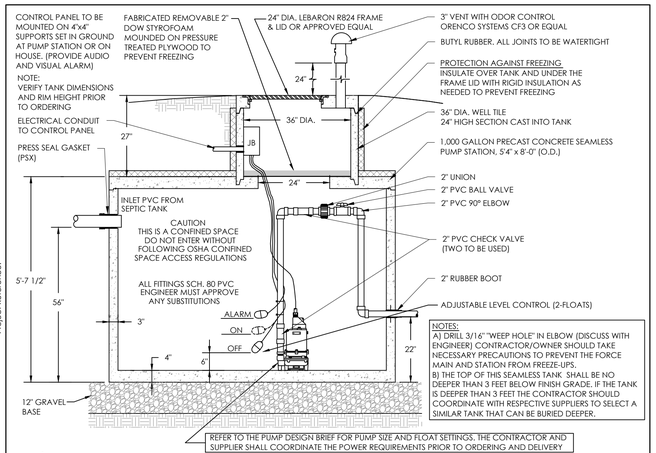

NOTES:
A) DRILL 3/16" "WEEP HOLE" IN ELBOW (DISCUSS WITH ENGINEER) CONTRACTOR/OWNER SHOULD TAKE NECESSARY PRECAUTIONS TO PREVENT THE FORCE MAIN AND STATION FROM FREEZE-UPS.
B) THE TOP OF THIS SEAMLESS TANK SHALL BE NO DEEPER THAN 3 FEET BELOW FINISH GRADE. IF THE TANK IS DEEPER THAN 3 FEET THE CONTRACTOR SHOULD COORDINATE WITH RESPECTIVE SUPPLIERS TO SELECT A SIMILAR TANK THAT CAN BE BURIED DEEPER.

1000 GALLON PUMP STATION

1/2" = 1'-0"

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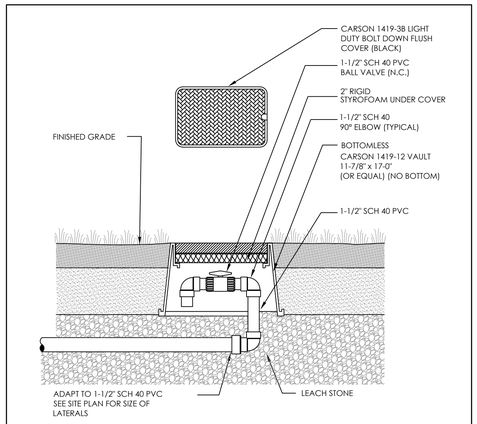

NOTE: FITTINGS TO BE SOLVENT WELD

FLUSHING VALVE DETAIL

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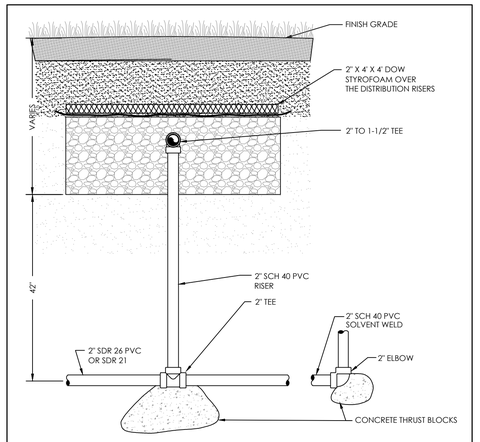

DISTRIBUTION RISER (FOR 2" FORCEMAIN)

3/4"=1'-0"

2013 TRUDELL CONSULTING ENGINEERS — LAST REVISED 03/08/2013 — S-017

Field Book:

Project Reference:

S:_TCE DRAWINGS\2013\032 Hergenrother\2013032-Details.dwg, 5/14/2013 8:04:52 AM

TRUDELL CONSULTING ENGINEERS
478 BLAIR PARK ROAD | WILLISTON, VERMONT 05495
802 879 6331 | WWW.TCEVT.COM

Revisions

No.	Description	Date	By

Use of These Drawings

1. Unless otherwise noted, these Drawings are intended for preliminary planning, coordination with other disciplines or utilities, and/or approval from the regulatory authorities. They are not intended as construction drawings unless noted as such.

2. Only drawings specifically marked "For Construction" are intended to be used in conjunction with contract documents, specifications, owner/contractor agreements and to be fully coordinated with other disciplines, including but not limited to, the Architect, if applicable. These Drawings shall not be used for construction layout. Contact TCE for any construction surveying services or to obtain electronic data suitable for construction layout.

3. These Drawings are specific to the Project and are not transferable. As instruments of service, these drawings, and copies thereof, furnished by TCE are its exclusive property. Changes to the drawings may only be made by TCE. If errors or omissions are discovered, they shall be brought to the attention of TCE immediately.

4. By use of these drawings for construction of the Project, the Owner represents that they have reviewed, approved, and accepted the drawings and have met with all applicable parties/disciplines to insure these plans are properly coordinated with other aspects of the Project. The Owner and Architect, are responsible for any buildings shown, including an area measured a minimum five (5) feet around any building.

5. It is the User's responsibility to ensure this copy contains the most current revisions.

STATE OF VERMONT — JOHN PITKOWICH — No. 810 CIVIL — LICENSED PROFESSIONAL ENGINEER

Project Title

Hergenrother Construction, Inc. Guinea Road Subdivision

Guinea Road, Charlotte, VT

Sheet Title

Wastewater Details

Date:	5/14/2013
Scale:	AS SHOWN
Project Number:	2013032
Drawn By:	PJM
Project Engineer:	NTH
Approved By:	

C8-02