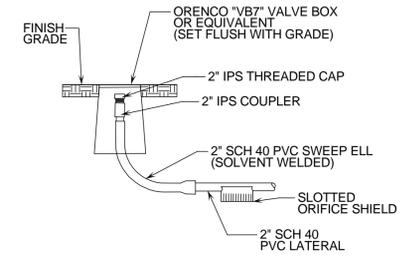
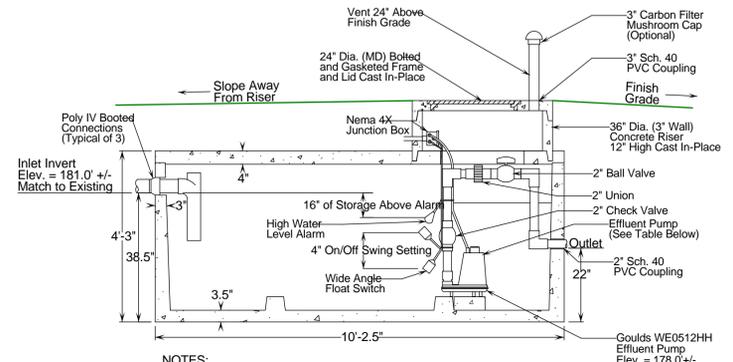


**ORIFICE SHIELD DETAIL**  
NOT TO SCALE



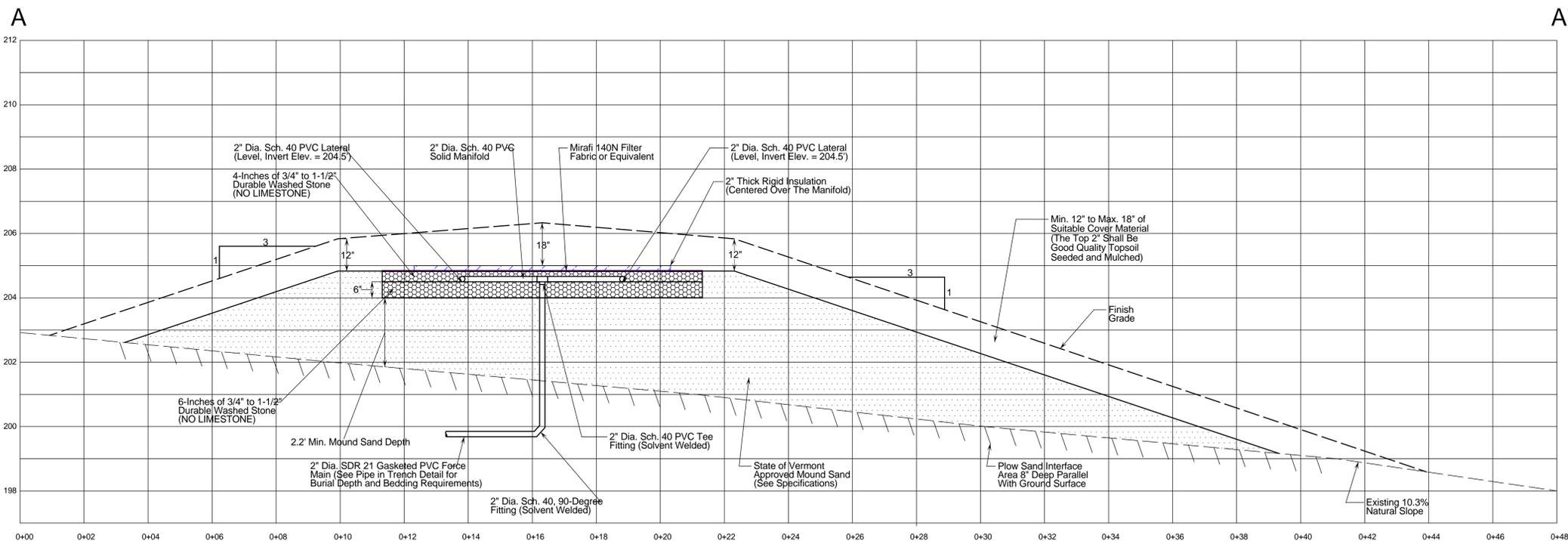
**FLUSHING RISER DETAIL**  
NOT TO SCALE



- NOTES:**
1. PUMP STATION SHALL BE SET LEVEL ON A MINIMUM OF 6-INCHES OF COMPACTED GRANULAR BASE.
  2. PUMP STATION SECTIONS SHALL HAVE BUTYL RUBBER JOINT SEALER.
  3. IF WATER-PROOF BOOTED PIPE CONNECTIONS ARE NOT USED, PIPE PENETRATIONS SHALL BE SEALED WITH "WATER PLUG" NON-SHRINK HYDRAULIC CEMENT.
  4. ON/OFF FLOAT SWITCH TO BE SET WITH A 4.0-INCH SWING SETTING TO PROVIDE A 122-GALLON DOSE VOLUME.
  5. HIGH WATER LEVEL ALARM AND PUMP STATION SHALL BE WIRED BY A LICENSED ELECTRICIAN.
  6. THE HIGH WATER ALARM SHALL BE MOUNTED AT A VISIBLE LOCATION.
  7. IF SITE CONDITIONS ARE DEEMED ACCEPTABLE BY THE CONTRACTOR, A STANDARD 1,000-GALLON CONCRETE PUMP STATION MAYBE SUBSTITUTED.
  8. EFFLUENT PUMP MUST BE CAPABLE OF 27 GPM VS. 40 FEET OF TOTAL DYNAMIC HEAD.

**1,000-GALLON CONCRETE LOW-PROFILE PUMP STATION**  
NOT TO SCALE

**REPLACEMENT MOUND WASTEWATER DISPOSAL SYSTEM PLAN VIEW DETAIL**  
SCALE = 1-INCH = 5-FEET



**REPLACEMENT MOUND WASTEWATER DISPOSAL SYSTEM SECTION**  
VERTICAL SCALE = 1-INCH = 2-FEET  
HORIZONTAL SCALE = 1-INCH = 2-FEET

**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

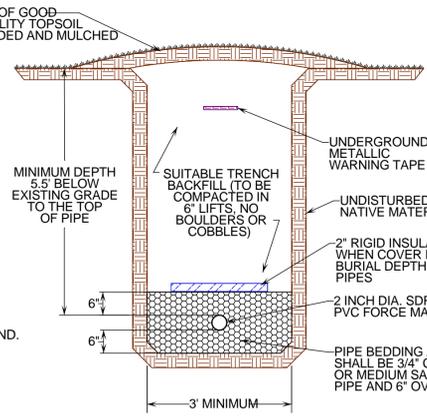
  

Sieve Number	Opening (mm)	Percent Passing, by Weight
3/8	9.500	85 - 100
40	0.420	30 - 50
200	0.074	0 - 5

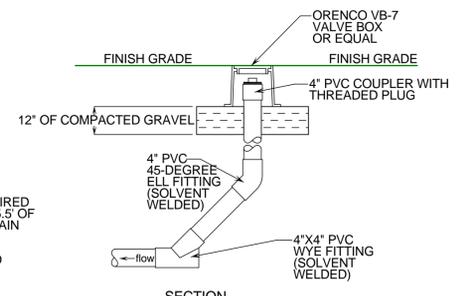
The material must meet the specifications 1, 2, or 3 above. Interpolation of analyses is not permitted. Fill material 2 is ASTM Specification C-33 and is intended for manufactured material.

**WASTEWATER DISPOSAL SYSTEM CONSTRUCTION AND MAINTENANCE NOTES**

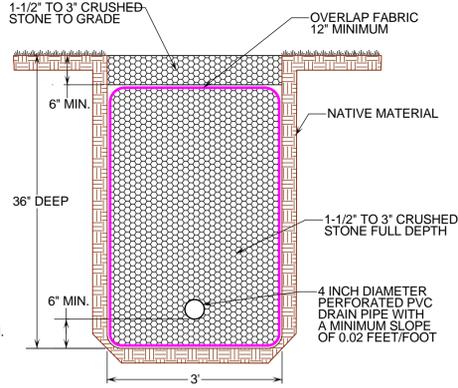
1. THE WASTEWATER DISPOSAL SYSTEM SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE STATE OF VERMONT, AGENCY OF NATURAL RESOURCES, PERMITTED DESIGN.
2. WASTEWATER DISPOSAL SYSTEM LOCATION SHALL BE STAKED OUT BY THE DESIGNER PRIOR TO START OF CONSTRUCTION.
3. THE ATTACHED MOUND SYSTEM CONSTRUCTION INSTRUCTIONS SHALL BE FOLLOWED DURING THE INSTALLATION OF THE REPLACEMENT MOUND WASTEWATER SYSTEM.
4. THE DESIGNER SHALL BE NOTIFIED AT LEAST 48 HOURS IN ADVANCE FOR INSPECTIONS OF THE SEPTIC TANK, PUMP STATION, PLOWED LAYER, AND PLACEMENT OF THE MOUND SAND.
5. THE DESIGNER SHALL BE NOTIFIED AT LEAST 48 HOURS IN ADVANCE FOR A FLOW TEST OF THE MOUND SYSTEM PRESSURE DISTRIBUTION NETWORK.
6. WASTEWATER SYSTEM FINISH GRADES WILL VARY WITH NATURAL TOPOGRAPHY. PRIORITY IS TO MAINTAIN 3 ON 1 MOUND TOE SLOPES.
7. SEPTIC TANK EFFLUENT FILTER SHOULD BE REMOVED AND RINSED BACK INTO THE SEPTIC TANK TWICE A YEAR.
8. THE SEPTIC TANKS AND PUMP STATION SHOULD BE INSPECTED ANNUALLY AND PUMPED OUT EVERY 3 YEARS.
9. FOLLOWING THE MOUND WASTEWATER SYSTEM INSTALLATION, FINISH GRADE SHALL BE SEEDED WITH A CONSERVATION GRASS SEED MIX AND MULCHED.



**GRASSED AREA PIPE IN TRENCH DETAIL**  
NOT TO SCALE



**CURTAIN DRAIN CLEANOUT DETAIL**  
NOT TO SCALE



**CURTAIN DRAIN DETAIL**  
NOT TO SCALE

**PERMITTING**

TITLE:  
**REPLACEMENT WASTEWATER SYSTEM DETAILS AND NOTES**

SIGNATURE:

JASON S. BARNARD  
LICENSED DESIGNER #430-B

**Jason Barnard Consulting, LLC**  
4400 VT Route 17  
Starksboro, VT 05487  
Telephone: (802) 453-2597  
Fax number: (802) 453-8497  
E-mail: jbsitotech@hotmail.com

**JEFFREY AND LINDA HANSON REPLACEMENT WASTEWATER DISPOSAL SYSTEM**  
2644 GUINEA ROAD  
CHARLOTTE, VERMONT

DATE: NOVEMBER 18, 2015  
SCALE: AS NOTED  
DRAWN BY: CS  
CHECKED BY: JB

REVISIONS:

DRAWING NO. **2**  
SHEET 2 OF 2