

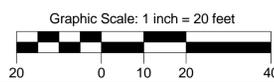
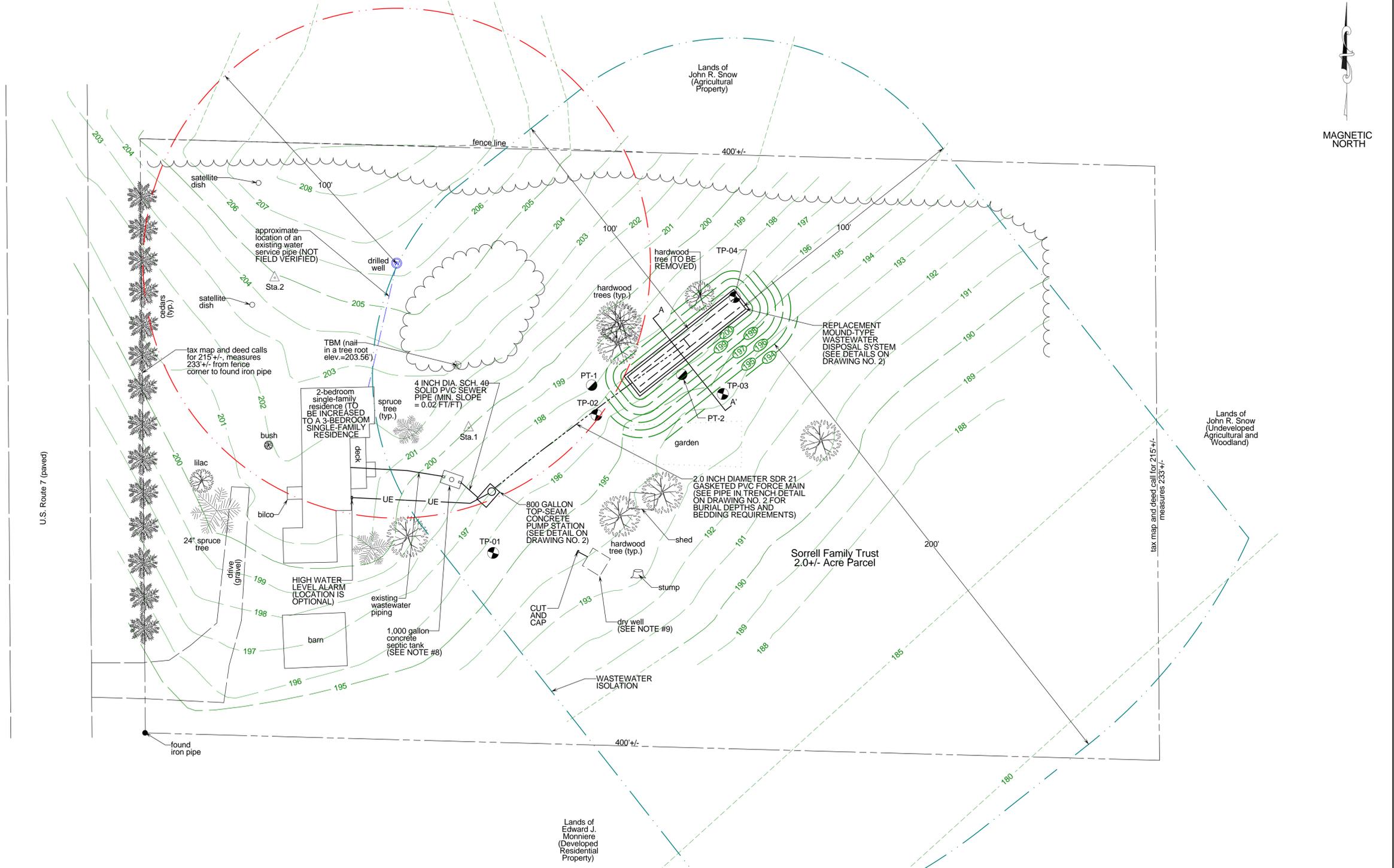
**Project Location Map**  
Not to Scale

**LEGEND**

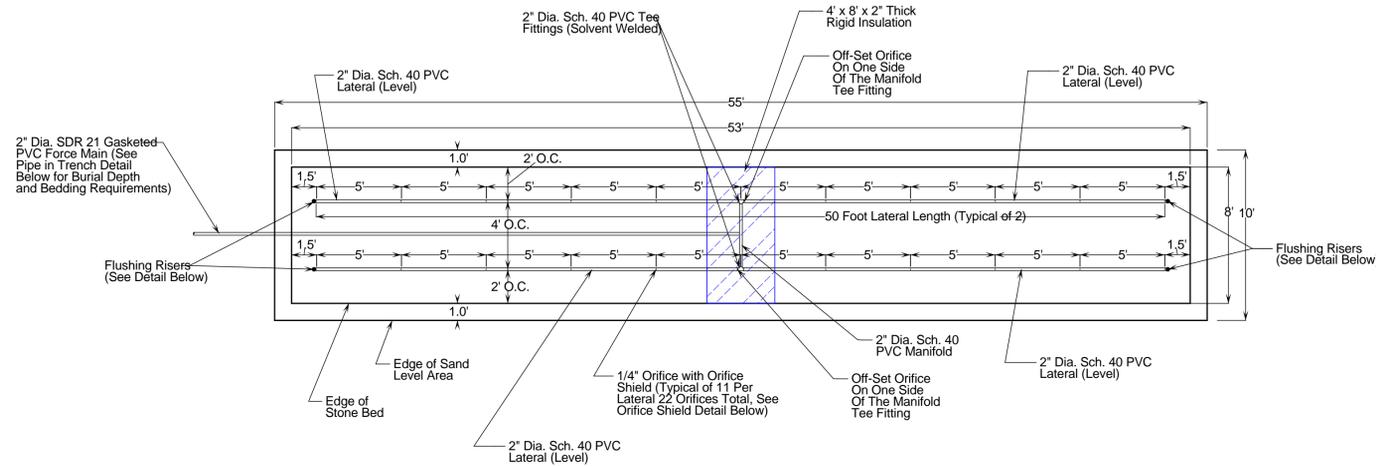
	Boundary Line/ROW
	Edge of Road (surface labeled)
	Edge of Drive (surface labeled)
	1 Foot Ground Surface Contour
	Finish Grade
	Interpolated Ground Contour (Based on USGS Data)
	Gravity Sewer
	Underground Telephone
	1" Dia. PVC Electrical Conduit
	1 Inch Diameter Polyethylene Plastic Water Line (Unless Otherwise Noted)
	Well Isolation
	Wastewater Isolation
	Tree Line
	Proposed Limits of Clearing
	Utility Pole
	Traverse Station
	Temporary Bench Mark (type and elevation noted)
	Test Pit (TP-01) or Soil Boring (SB-01)
	Percolation Test (PT-01)

**PROJECT NOTES**

- THESE PLANS ARE BASED ON A TOPOGRAPHIC SURVEY CONDUCTED BY JASON BARNARD CONSULTING, LLC ON AUGUST 1, 2013.
- ELEVATIONS ARE BASED ON AN ASSUMED ELEVATION OF 200.00' AT STATION NO. 1.
- PROPERTY LINES ARE BASED ON THE TOWN OF CHARLOTTE TAX MAPS, INFORMATION PROVIDED BY THE PROPERTY OWNER AND PHYSICAL EVIDENCE FOUND DURING THE AUGUST 1, 2013 TOPOGRAPHIC SURVEY. NO WARRANTY IS MADE TO THE ACCURACY OF THE BOUNDARY LINES SHOWN HEREON. THIS IS NOT A BOUNDARY SURVEY.
- FOR CLARITY, TEXT IDENTIFYING EXISTING ITEMS ARE LOWER CASE, AND TEXT IDENTIFYING PROPOSED ITEMS ARE UPPER CASE.
- THE REPLACEMENT MOUND-TYPE WASTEWATER DISPOSAL SYSTEM HAS BEEN DESIGNED IN CONFORMANCE WITH THE STATE OF VERMONT, AGENCY OF NATURAL RESOURCES, ENVIRONMENTAL PROTECTION RULES, CHAPTER 1, "WASTEWATER SYSTEM AND POTABLE WATER SUPPLY RULES" EFFECTIVE SEPTEMBER 29, 2007.
- BASED ON VERBAL INFORMATION PROVIDED BY THE PROPERTY OWNER, THE 2.0+/- ACRE PARCEL WAS CREATED AND DEVELOPED WITH A 2-BEDROOM SINGLE-FAMILY RESIDENCE PRIOR TO JANUARY 1, 2007.
- THE EXISTING 1,000 GALLON CONCRETE SEPTIC TANK SHALL BE PUMPED OUT, INSPECTED AND IF IN GOOD CONDITION WITH NO SIGNS OF LEAKAGE, THE TANK SHALL BE RETROFITTED WITH A POLYLOK PL-122 EFFLUENT FILTER OR EQUAL. IF THE EXISTING TANK IS NOTED TO BE IN POOR CONDITION OR APPEARS TO BE LEAKING, THE EXISTING SEPTIC TANK SHALL BE REPLACED WITH A NEW 1,000 GALLON CONCRETE SEPTIC TANK WITH APPROVED EFFLUENT FILTER.
- THE EXISTING DRYWELL SHALL BE PUMPED OUT, COLLAPSED AND FILLED WITH A GRANULAR MATERIAL.
- THE CONTRACTOR SHALL NOTIFY THE DIG SAFE NETWORK AT LEAST 72 HOURS PRIOR TO THE START OF CONSTRUCTION.
- ALL EXCAVATION WORK SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE STATE OF VERMONT, OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (VOSHA) GUIDELINES FOR TRENCH EXCAVATIONS.

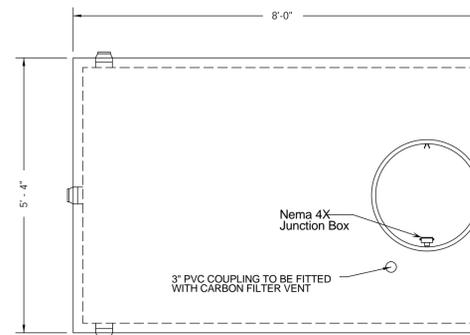


<b>PERMITTING</b> TITLE:  <b>SITE PLAN</b>	<b>Jason Barnard Consulting, LLC</b> 4400 VT Route 17 Starksboro, VT 05487 Telephone: (802) 453-2597 Fax number: (802) 453-8497 E-mail: jbsitotech@hotmail.com	
	<b>SORRELL FAMILY TRUST</b> <b>REPLACEMENT WASTEWATER DISPOSAL SYSTEM</b> <b>6281 U.S. ROUTE 7,</b> <b>CHARLOTTE, VERMONT</b>	
SIGNATURE: 	DATE: AUGUST 14, 2013	REVISIONS:  
JASON S. BARNARD LICENSED DESIGNER #430-B	SCALE: 1" = 20' DRAWN BY: MJ CHECKED BY: JB	DRAWING NO.  <b>1</b> SHEET 1 OF 2

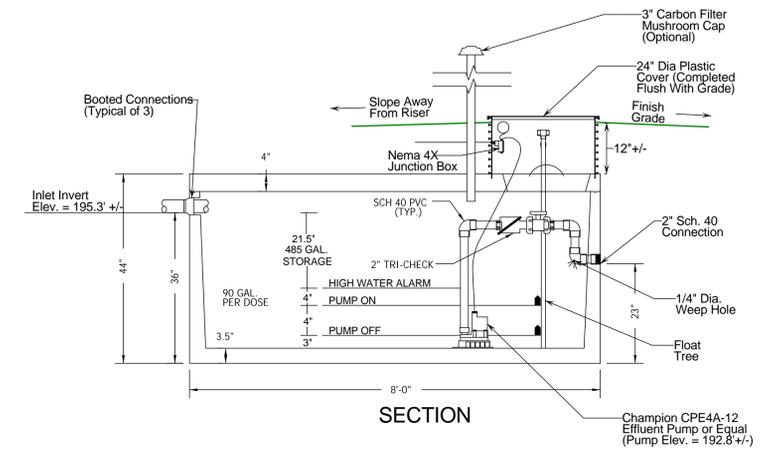


MOUND WASTEWATER DISPOSAL SYSTEM PLAN VIEW DETAIL

SCALE = 1-INCH = 5- FEET



PLAN



SECTION

MANUFACTURER NOTES:

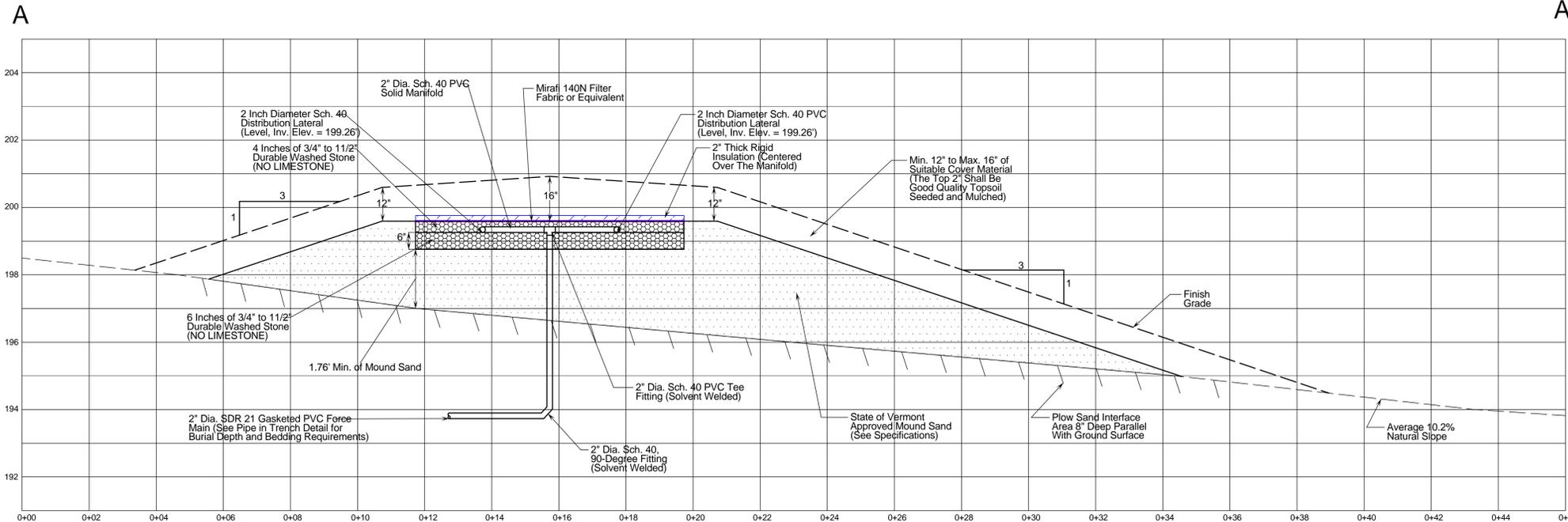
- FOR PUMP SPECIFICATIONS REFER TO PUMP DESIGN BRIEF
- THE CONTRACTOR AND SUPPLIER SHALL COORDINATE POWER REQUIREMENTS PRIOR TO ORDERING OF THE PUMP STATION.
- PER ON SITE SEPTIC SOLUTIONS, LLC (SUPPLIER), THE TOP OF THIS TANK SHALL BE BURIED NO DEEPER THAN 3 FEET BELOW FINISHED GRADE. IF A DEEPER BURIAL DEPTH IS NEEDED SEE SUPPLIER FOR SIMILAR TANKS THAT CAN BE BURIED DEEPER THAN 3 FEET.
- REFER TO THE PUMP STATION DESIGN BRIEF OR CONSULT THE DESIGNER ON THE NEED FOR A WEEP HOLE OR NOT.

DESIGNER NOTES:

- PUMP STATION SHALL BE SET LEVEL ON A MINIMUM OF 6-INCHES OF COMPACTED GRANULAR BASE.
- PUMP STATION SECTIONS SHALL HAVE BUTYL RUBBER JOINT SEALER.
- IF WATER-PROOF BOOTED PIPE CONNECTIONS ARE NOT USED, PIPE PENETRATIONS SHALL BE SEALED WITH WATER PLUG/ NON-SHRINK HYDRAULIC CEMENT.
- ON/OFF FLOAT SWITCH TO BE SET WITH A 4.0 INCH SETTING TO PROVIDE A 90 GALLON DOSE VOLUME.
- HIGH WATER LEVEL ALARM AND PUMP STATION SHALL BE WIRED BY A LICENSED ELECTRICIAN.
- THE HIGH WATER ALARM SHALL BE MOUNTED AT A VISIBLE LOCATION.

800-GALLON TOP-SEAM CONCRETE PUMP STATION

NOT TO SCALE



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

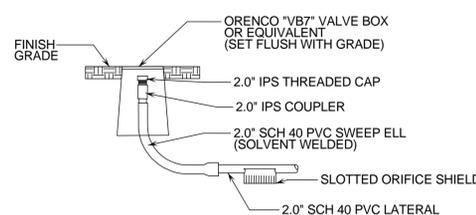
  

Sieve Number	Opening (mm)	Percent Passing, by Weight
3/8	2.000	85 - 100
40	0.420	30 - 50
200	0.074	0 - 5

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.

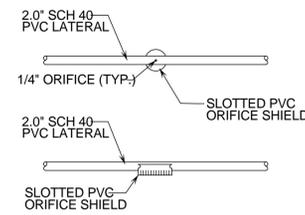
WASTEWATER DISPOSAL SYSTEM CONSTRUCTION AND MAINTENANCE NOTES

- THE WASTEWATER DISPOSAL SYSTEM SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE STATE OF VERMONT AGENCY OF NATURAL RESOURCES, ENVIRONMENTAL PROTECTION RULES, CHAPTER 1, WASTEWATER SYSTEM AND POTABLE WATER SUPPLY RULES.
- 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, PUMP STATION, PLOWED LAYER, AND PLACEMENT OF THE MOUND SAND.
- THE DESIGNER SHALL BE NOTIFIED AT LEAST 48 HOURS IN ADVANCE FOR A PRESSURE TEST OF THE MOUND SYSTEM PRESSURE DISTRIBUTION NETWORK.
- WASTEWATER SYSTEM FINISH GRADES WILL VARY WITH NATURAL TOPOGRAPHY. PRIORITY IS TO MAINTAIN 3 ON 1 MOUND FRONT, SIDE AND UPHILL TOE SLOPES.
- SEPTIC TANK EFFLUENT FILTER SHOULD BE REMOVED AND RINSED BACK INTO THE SEPTIC TANK ANNUALLY.
- THE SEPTIC TANK SHOULD BE PUMPED OUT EVERY 3 YEARS.
- WATER SOFTENER BACKWASH, SEPTIC TANK ADDITIVES, GREASE OR SANITIZERS SHALL NOT BE INTRODUCED INTO THE WASTEWATER DISPOSAL SYSTEM



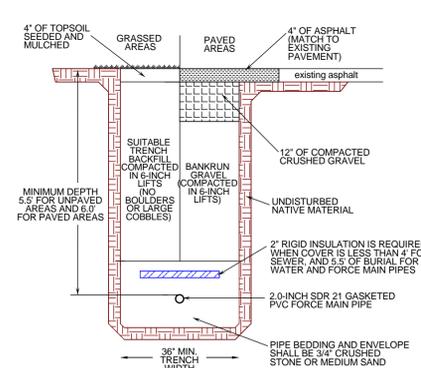
FLUSHING RISER DETAIL

NOT TO SCALE



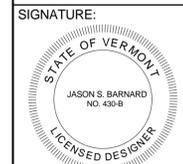
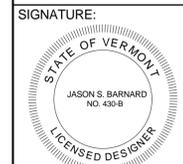
ORIFICE SHIELD DETAIL

NOT TO SCALE



PIPE IN TRENCH DETAIL

NOT TO SCALE

PERMITTING	<b>Jason Barnard Consulting, LLC</b>		4400 VT Route 17 Starksboro, VT 05487
TITLE:	REPLACEMENT WASTEWATER SYSTEM DETAILS AND NOTES		Telephone: (802) 453-2597 Fax number: (802) 453-8497 E-mail: jbsitete@hotmail.com
SIGNATURE:			<b>SORRELL FAMILY TRUST REPLACEMENT WASTEWATER DISPOSAL SYSTEM 6281 U.S. ROUTE 7, CHARLOTTE, VERMONT</b>
DATE:	AUGUST 14, 2013	REVISIONS:	DRAWING NO.
SCALE:	AS NOTED		<b>2</b>
DRAWN BY:	MJ	CHECKED BY:	JB
			SHEET 2 OF 2