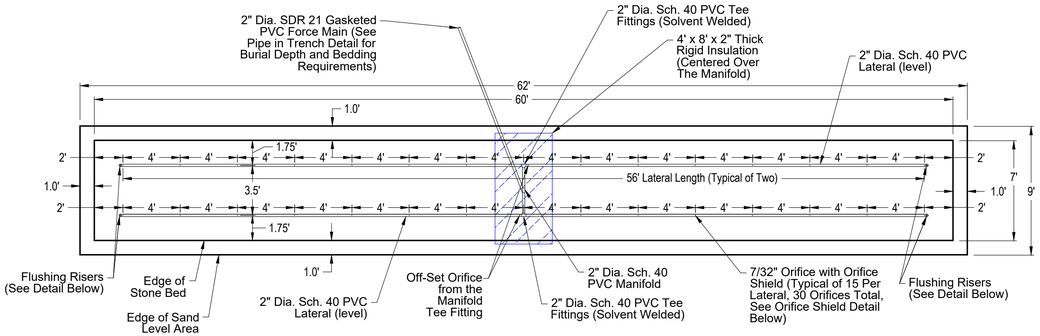
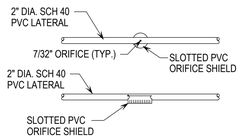


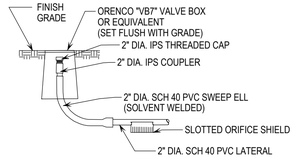
LOT 2 MOUND WASTEWATER DISPOSAL SYSTEM PLAN VIEW

SCALE: 1-INCH = 5-FEET



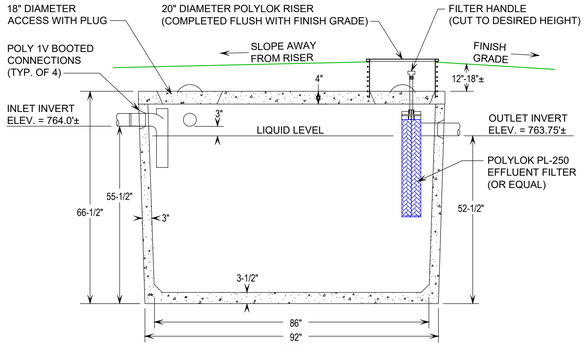
ORIFICE SHIELD DETAIL

NOT TO SCALE



FLUSHING RISER DETAIL

NOT TO SCALE



SECTION

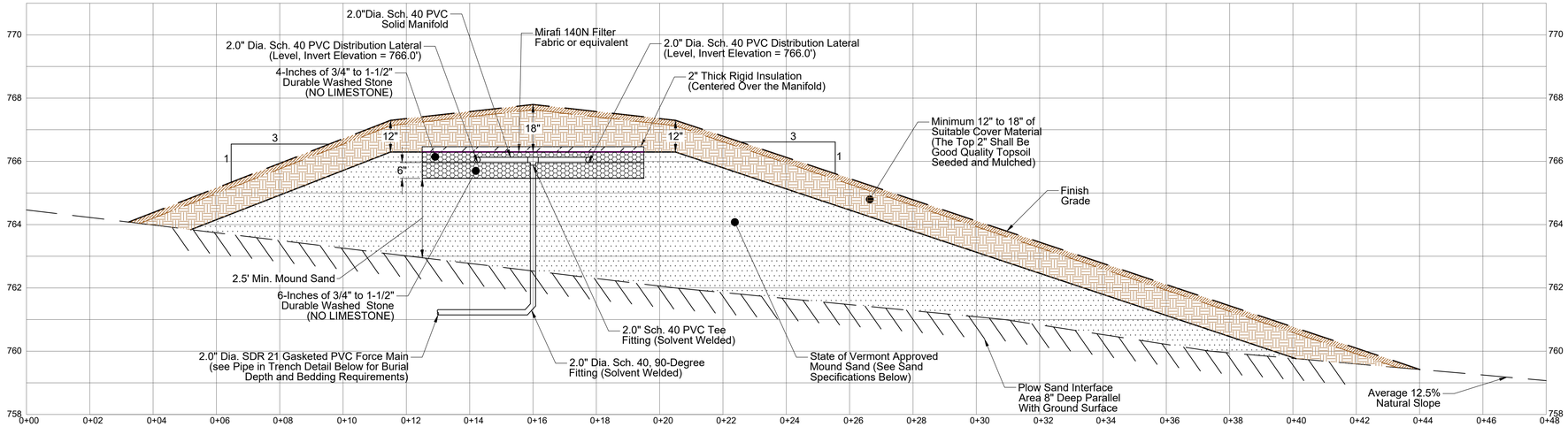
NOTES:
1. SEPTIC TANK SHALL BE SET LEVEL ON A MINIMUM OF SIX INCHES OF COMPACTED GRANULAR BASE.
2. AN INLET TEE BAFFLE IS REQUIRED.
3. IF WATER-PROOF BOOTED CONNECTIONS ARE NOT USED, ALL PIPE PENETRATIONS SHALL BE SEALED WITH A "WATER PLUG" NON-SHRINK HYDRAULIC CEMENT.
4. EFFLUENT FILTER ACCESS SHALL BE COMPLETED FLUSH WITH FINISH GRADE.

1,000 GALLON TOP-SEAM CONCRETE SEPTIC TANK

NOT TO SCALE

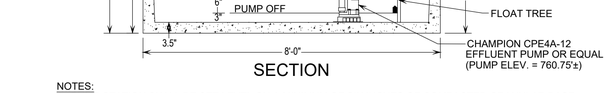
A

A'



LOT 2 MOUND WASTEWATER DISPOSAL SYSTEM SECTION

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



SECTION

NOTES:
1. PUMP STATION SHALL BE SET LEVEL ON A MINIMUM OF SIX INCHES OF COMPACTED GRANULAR BASE.
2. PUMP STATION SECTIONS SHALL HAVE BUTYL RUBBER JOINT SEALER.
3. IF WATER-PROOF BOOTED CONNECTIONS ARE NOT USED, ALL PIPE PENETRATIONS SHALL BE SEALED WITH A "WATER PLUG" NON-SHRINK HYDRAULIC CEMENT.
4. ON/OFF FLOAT SWITCH TO BE SET WITH A 6-INCH SWING SETTING TO PROVIDE A 112 GALLON DOSE VOLUME.
5. HIGH WATER LEVEL ALARM AND PUMP STATION SHALL BE WIRED BY A LICENSED ELECTRICIAN.
6. THE HIGH WATER LEVEL ALARM SHALL BE MOUNTED AT A VISIBLE LOCATION.
7. THE EFFLUENT PUMP SHALL BE CAPABLE OF 36 GPM VS. 17' TDH.

800 GALLON TOP-SEAM CONCRETE PUMP STATION

NOT TO SCALE

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, ENVIRONMENTAL PROTECTION RULES, CHAPTER 1, WASTEWATER SYSTEM AND POTABLE WATER SUPPLY RULES.
2. WASTEWATER DISPOSAL SYSTEM LOCATION SHALL BE STAKED OUT BY THE DESIGNER PRIOR TO START OF CONSTRUCTION.
3. ATTACHED MOUND SYSTEM CONSTRUCTION INSTRUCTIONS SHALL BE FOLLOWED DURING THE INSTALLATION OF THE REPLACEMENT MOUND-TYPE 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 PRESSURE 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 ANNUALLY.
8. THE SEPTIC TANK AND PUMP STATION SHOULD BE INSPECTED ANNUALLY AND PUMPED OUT AT LEAST EVERY THREE (3) YEARS OR AS NECESSARY TO PREVENT SOLIDS FROM CARRYING OVER TO THE DISPOSAL SYSTEM.
9. FOLLOWING THE MOUND WASTEWATER SYSTEM INSTALLATION, FINISH GRADE SHALL BE SEEDED AND MULCHED WITH A CONSERVATION GRASS SEED MIX.
10. WATER SOFTENER BACKWASH, SEPTIC TANK ADDITIVES, GREASE OR SANITIZERS SHALL NOT BE INTRODUCED INTO THE WASTEWATER DISPOSAL SYSTEM.

STATE OF VERMONT MOUND SAND SPECIFICATIONS

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:

(1).

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

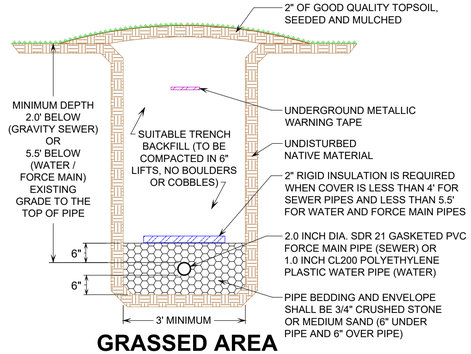
(2).

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
200	0.074	0-3

(3).

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

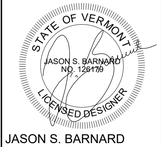
The material must meet the specifications 1, 2, or 3 above. Interpolation of analyses is not permitted. Fill material 2 is ASTM Specification C-33 and is intended for manufactured material.



GRASSED AREA PIPE IN TRENCH DETAIL

NOT TO SCALE

SIGNATURE:



JASON S. BARNARD
LICENSED DESIGNER #126179

DATE	DESCRIPTION	BY
	REVISIONS	

BARNARD & GERVAIS, LLC
Land Surveying
Water & Wastewater
Environmental Consulting
167 Main Street, P.O.Box 820
Enosburg Falls, VT 05450
Telephone: (802) 933-5168
10523 VT Route 116, P.O.Box 133
Hinesburg, VT 05461
Telephone: (802) 482-2597

TWO LOT SUBDIVISION
WASTEWATER DISPOSAL SYSTEM DESIGN

BRADLEY JAY LAROSE
KARIN C. LAROSE

156 WORTHEIM ROAD, RICHMOND, VERMONT

WASTEWATER SYSTEM DETAILS AND NOTES

THESE PLANS WITH LATEST REVISIONS SHOULD ONLY BE USED FOR THE PURPOSE SHOWN BELOW:

☐ PRELIMINARY DRAFT ■ FINAL STATE REVIEW

PROJECT NO.	22356
DATE:	03-23-2023
SCALE:	AS NOTED
SURVEY:	AW, SR
DRAWN:	RW
CHECKED:	JB
DRAWING NO.	D-1