

WASTEWATER SYSTEM AND POTABLE WATER SUPPLY PERMIT**LAWS/REGULATIONS INVOLVED**10 V.S.A. Chapter 64, Potable Water Supply and Wastewater System Permit
Wastewater System and Potable Water Supply Rules, Effective April 12, 2019**Permittee: Andrei Pokrovsky
320 Marlborough St.
Boston, MA 02116****Permit Number: WW-1-1026-2**

This permit affects the following properties in Killington, Vermont:

| Lot | Parcel | SPAN | Acres | Book(s)/Page(s)# |
|--------------------------------------|--------|---------------|-------|------------------|
| Existing Parcel A & B | 13474 | 588-185-13474 | 6.42 | |
| Proposed 1 | | | 1.00 | |
| Proposed 2 | | | 1.40 | |
| Proposed 3 | | | 1.50 | |
| Proposed 4 | | | 2.50 | |

This application, consisting of a 3-lot subdivision and boundary line adjustment of 2-previously approved parcels, whereby all lots will be improved with a single-family residence and served by onsite potable water well and wastewater disposal system, located at 430 Lower Rebecca Ln in Killington, Vermont, is hereby approved under the requirements of the regulations named above subject to the following conditions. Any person aggrieved by this permit may appeal to the Environmental Court within 30 days of the date of issuance of this permit in accordance with 10 V.S.A. Chapter 220 and the Vermont Rules of Environmental Court Proceedings.

1. GENERAL

- 1.1 The permittee is responsible to record this permit in the Killington Land Records within 30 days of issuance of this permit and prior to the conveyance of any lot subject to the jurisdiction of this permit.
- 1.2 The permittee is responsible to record the design and installation certifications and other documents that are required to be filed under these Rules or under a permit condition in the Killington Land Records.
- 1.3 Each assign or successor in interest shall be shown a copy of the Wastewater System and Potable Water Supply Permit and the stamped plans prior to the conveyance of a lot.
- 1.4 By acceptance of this permit, the permittee agrees to allow representatives of the State of Vermont access to the property covered by the permit, at reasonable times, for the purpose of ascertaining compliance with the Vermont environmental and health statutes and regulations, and permit conditions.
- 1.5 This permit does not relieve the landowner from obtaining all other approvals and permits from other State Agencies or Departments, or local officials prior to construction.
- 1.6 All conditions set forth in Permit WW-1-1026-1 shall remain in effect except as amended or modified herein.



2. CONSTRUCTION

2.1 Construction shall be completed as shown on the plans and/or documents prepared by R. B. Spencer II P.E., with the stamped plans listed as follows:

| Title | Sheet # | Plan Date | Revision |
|----------------------------------------------------------------------------|---------|------------|------------|
| Lands of Pokrovsky, Overall Subdivision Plan | 2215-1 | 02/10/2023 | 09/07/2023 |
| Lands of Pokrovsky, Proposed Lots 1&2 Site Plan | 2215-2 | 02/10/2023 | 09/07/2023 |
| Lands of Pokrovsky, Proposed Lots 3&4 Site Plan | 2215-3 | 02/10/2023 | 09/07/2023 |
| Lands of Pokrovsky, Proposed Lot#1 Water & Sewer Details | 2215-4 | 02/10/2023 | 09/07/2023 |
| Lands of Pokrovsky, Proposed Lot#2 Water & Sewer Details | 2215-5 | 02/10/2023 | 09/07/2023 |
| Lands of Pokrovsky, Proposed Lot# 3&4 Water & Sewer Details | 2215-6 | 02/10/2023 | 09/07/2023 |

2.2 Construction of wastewater systems or potable water supplies, or buildings or structures (as defined by the Wastewater System and Potable Water Supply Rules), or campgrounds, not depicted on the stamped plans, or identified in this permit, is not allowed without prior approval by the Drinking Water and Groundwater Protection Division.

2.3 No buildings, roads, water pipes, sewer services, earthwork, re-grading, excavation, or other construction that might interfere with the operation of a wastewater system or a potable water supply are allowed on or near the site-specific wastewater system, wastewater replacement area, or potable water supply depicted on the stamped plans. Adherence to all isolation distances that are set forth in the Wastewater System and Potable Water Supply Rules is required.

3. INSPECTIONS

3.1 No permit issued by the Secretary shall be valid for a substantially completed potable water supply and wastewater system until the Secretary receives a signed and dated certification from a qualified Vermont Licensed Designer on a Secretary-approved form that states:

"I hereby certify that, in the exercise of my reasonable professional judgment, the installation-related information submitted is true and correct and the potable water supply and wastewater system were installed in accordance with the permitted design and all permit conditions, were inspected, were properly tested, and have successfully met those performance tests"

or which satisfies the requirements of §1-311 of the referenced rules.

3.2 Prior to the use of a potable water supply for any lot, the permittee shall test the water for Arsenic, Escherichia coli (E. coli), Fluoride, Lead, Manganese, Nitrate as N, Nitrite as N, Total Coliform Bacteria, Uranium, Adjusted Gross Alpha Particle Activity, Chloride, Sodium, Iron, Odor and pH. All water quality tests shall be conducted at a laboratory certified by the Vermont Department of Health (a list of which can be found on the VDH website). Results of the water tests shall be submitted to the Vermont Department of Health prior to use or within 60 days of the submission of the Installation Certification required in Condition 3.1, whichever comes first.

4. DESIGN FLOW

4.1 Lot use and design flows (gpd) shall correspond to the following:

| Lot | Building | Building Use / Design Flow Basis | Wastewater | Water |
|-----|----------|------------------------------------------------------------------|------------|-------|
| 1 | Proposed | 5-bedroom single family residence 8-persons maximum occupancy | 560 | 560 |
| 2 | Proposed | 5-bedroom single family residence | 560 | 560 |
| 3 | Proposed | 5-bedroom single family residence | 560 | 560 |
| 4 | Proposed | 6-bedroom single family residence | 840 | 840 |

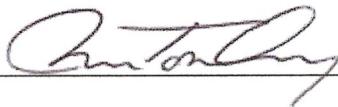
5. WASTEWATER SYSTEM

- 5.1 Lots 1, 2 and 3 are authorized for the installation of a mounded bed wastewater disposal system as detailed on the plans stamped by the Drinking Water and Groundwater Protection Division. Prior to construction or site work, a designer shall flag the proposed leachfield, and the owner shall maintain the flags until commencement of construction of the system.
- 5.2 Lot 4 is authorized to utilize an existing previously approved wastewater disposal system with no change in design flow. No changes shall occur beyond that captured herein, unless otherwise exempt without prior approval from the Drinking Water and Groundwater Protection Division.
- 5.3 Should the wastewater system fail and not qualify as a minor repair or for an exemption, the landowner shall engage a qualified Licensed Designer to evaluate the cause of the failure and submit an application to the Drinking Water and Groundwater Protection Division, and obtain approval thereof, prior to correcting the failure.
- 5.4 This permit does not relieve the permittee of the obligations of Title 10, Chapter 48, Subchapter 4, for the protection of groundwater.

6. POTABLE WATER SUPPLY

- 6.1 Lots 1, 2, 3, & 4 are each approved for the installation of an independent onsite drilled bedrock potable water supply as detailed on the plans stamped by the Drinking Water and Groundwater Protection Division. Prior to construction or site work, a designer shall flag the center of the proposed potable water source and the owner shall maintain the flag until commencement of construction of the source.
- 6.2 Should the potable water supply fail and not qualify as a minor repair or for an exemption, the landowner shall engage a qualified Licensed Designer to evaluate the cause of the failure and submit an application to the Drinking Water and Groundwater Protection Division, and obtain approval thereof, prior to correcting the failure.

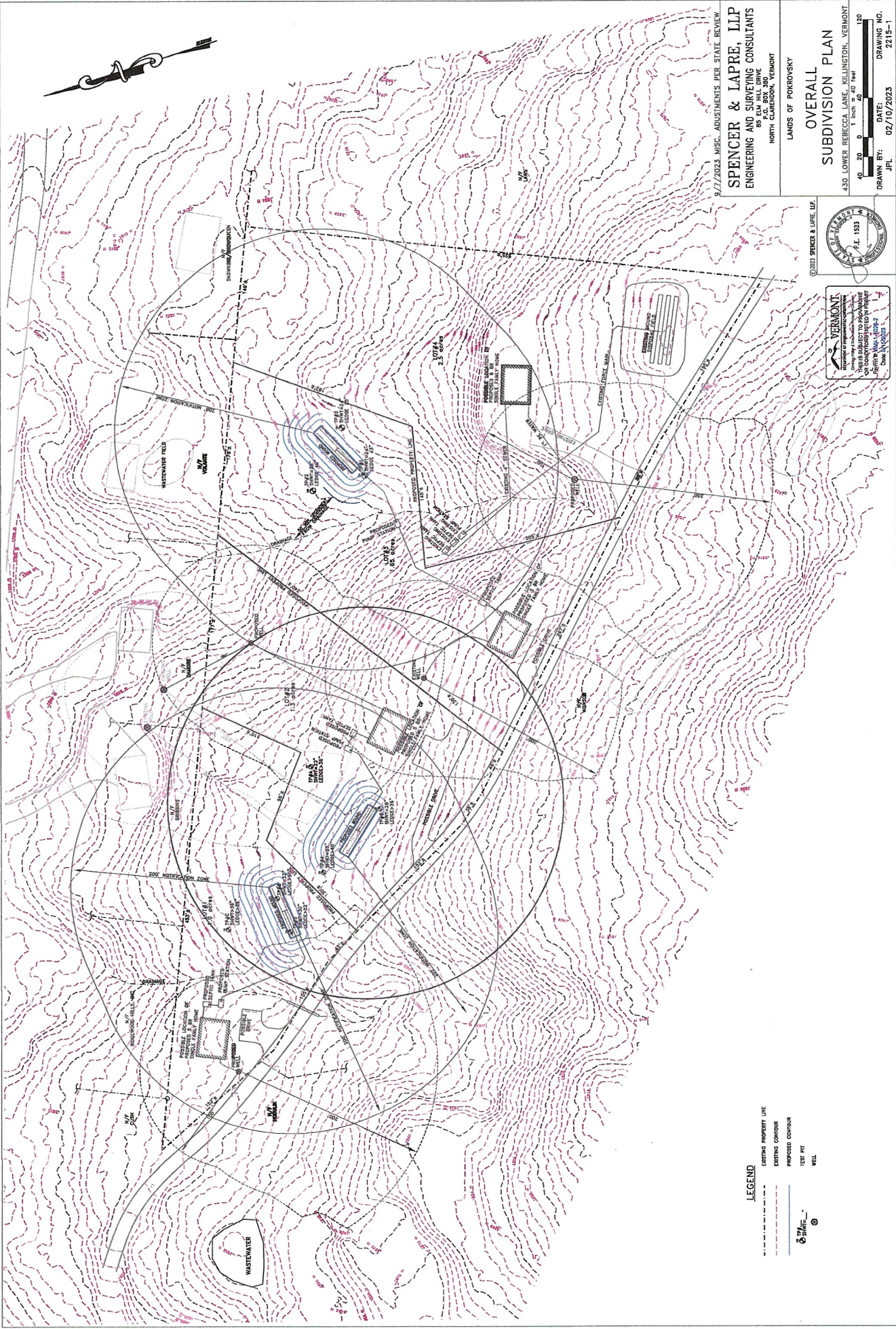
Julia S. Moore, Secretary
Agency of Natural Resources

By  _____

Chris Tomberg
Environmental Analyst VI
Rutland Regional Office
Drinking Water and Groundwater Protection Division

Dated September 15, 2023

cc: R.B. Spencer II P.E. Killington
Planning Commission



9/7/2023 MISC. ADJUSTMENTS PER STATE REVIEW

SPENCER & LAPRE, LLP
ENGINEERING AND SURVEYING CONSULTANTS
P.O. BOX 300
NORTH CLARENDON, VERMONT

LANDS OF FODROVSKY

**OVERALL
SUBDIVISION PLAN**

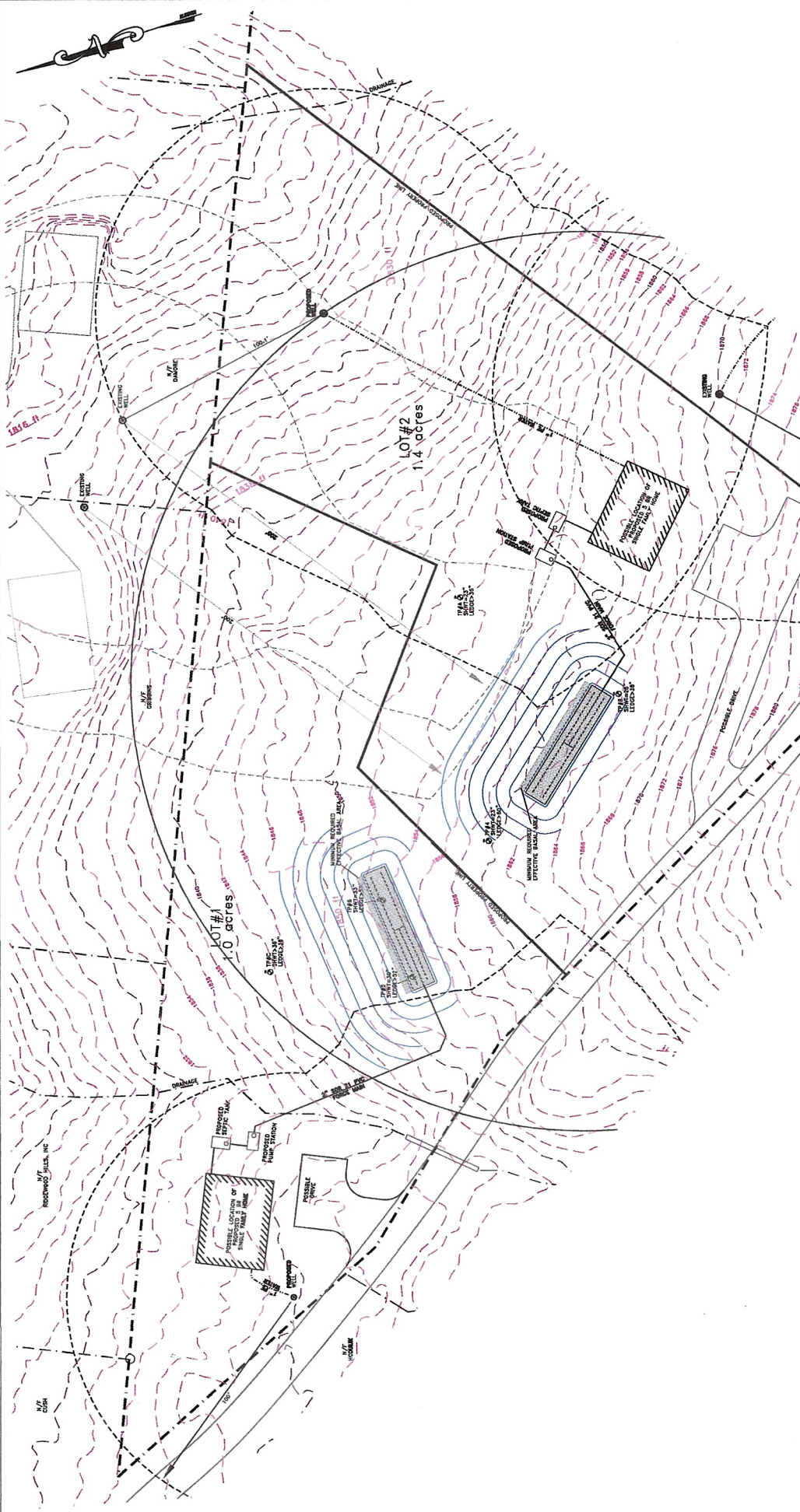
430 LOWER REBECCA LANE, KILLINGTON, VERMONT

DATE: 02/10/2023
DRAWING NO. 2219-1

SCALE: 1 inch = 40 feet
GRAPHIC SCALE: 0 20 40 80



- LEGEND**
- EXISTING PROPERTY LINE
 - EXISTING CONTOUR
 - PROPOSED CONTOUR
 - TEST PIT
 - WELL



9/7/2023 MISC. ADJUSTMENTS PER STATE REVIEW

SPENCER & LAPRE, LLP
 ENGINEERING AND SURVEYING CONSULTANTS
 630 LOWER REBECCA LANE, KILLINGTON, VERMONT
 NORTH CLarendon, VERMONT

LANDS OF POKROVSKY

PROPOSED
LOTS 1 & 2 SITE PLAN

430 LOWER REBECCA LANE, KILLINGTON, VERMONT
 AS SHOWN ON TAX MAP 178455

SCALE: 1 inch = 20 feet

DATE: 02/10/2023
 DRAWN BY: JPL
 DRAWING NO.: 2219-2

© 2023 SPENCER & LAPRE, LLP

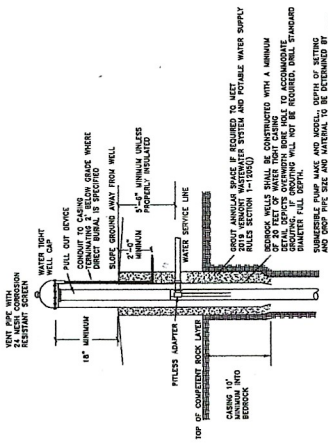


VERMONT
 ENGINEERING BOARD

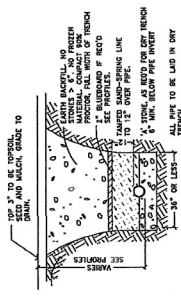
THIS IS SUBJECT TO PROVISIONS
 OF VERMONT PROFESSIONAL ENGINEERING
 PERMITS AND RULES 1000-2
 Date: 01/15/2023

LEGEND

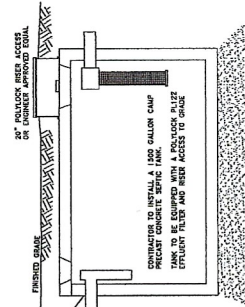
- CORING PROPERTY LINE
- - - - EXISTING CONTOUR
- PROPOSED CONTOUR
- TEST PIT
- ⊙ WELL



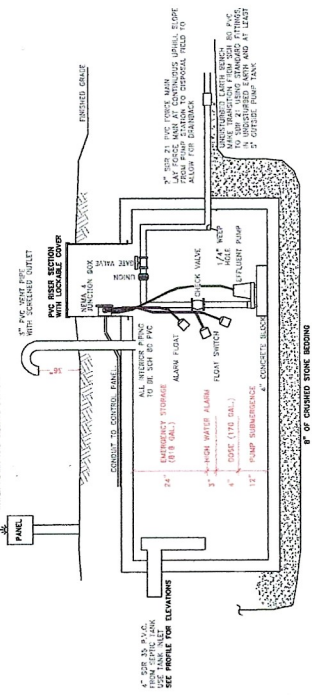
WATER WELL DETAIL
N.T.S.



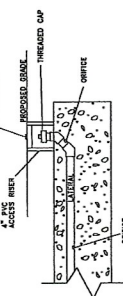
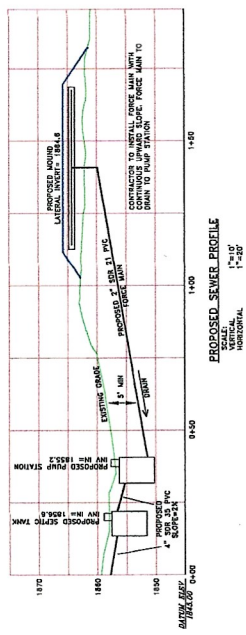
TYPICAL TRENCH DETAIL
N.T.S.



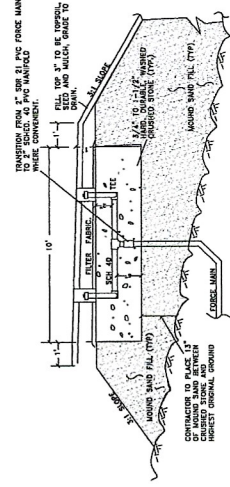
SEPTIC TANK DETAIL
N.T.S.



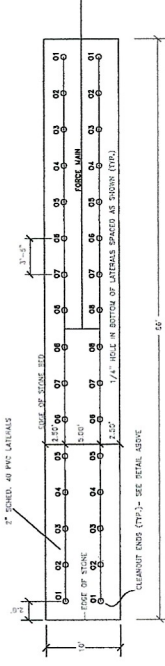
PUMP TANK DETAIL
N.T.S.



LATERAL CLEANOUT DETAIL
N.T.S.



MOUND DISTRIBUTION DETAIL
N.T.S.



MOUND DISTRIBUTION DETAIL
N.T.S.

NOTES AND SPECIFICATIONS

- It is the intent of these plans and specifications that the resulting construction provides a complete and functional, improved public system. They are to be construed and installed with the intent to achieve this goal shall be increased wherever applicable or not.
- Obtain and submit to the Vermont Department of Health, Division of Health Services, all necessary permits for this work. Obtain and submit to the Vermont Department of Health, Division of Health Services, all necessary permits for this work.
- Use all new material and first class workmanship. Install all equipment and material in accordance with manufacturer's recommendations.
- Use appropriate bedding material. Bedding shall be placed in 6" lifts with a minimum of 10% compaction. Bedding shall be placed in 6" lifts with a minimum of 10% compaction. Bedding shall be placed in 6" lifts with a minimum of 10% compaction.
- Use all new material and first class workmanship. Install all equipment and material in accordance with manufacturer's recommendations.
- Use appropriate bedding material. Bedding shall be placed in 6" lifts with a minimum of 10% compaction. Bedding shall be placed in 6" lifts with a minimum of 10% compaction. Bedding shall be placed in 6" lifts with a minimum of 10% compaction.
- Use all new material and first class workmanship. Install all equipment and material in accordance with manufacturer's recommendations.
- Use appropriate bedding material. Bedding shall be placed in 6" lifts with a minimum of 10% compaction. Bedding shall be placed in 6" lifts with a minimum of 10% compaction. Bedding shall be placed in 6" lifts with a minimum of 10% compaction.
- Use all new material and first class workmanship. Install all equipment and material in accordance with manufacturer's recommendations.
- Use appropriate bedding material. Bedding shall be placed in 6" lifts with a minimum of 10% compaction. Bedding shall be placed in 6" lifts with a minimum of 10% compaction. Bedding shall be placed in 6" lifts with a minimum of 10% compaction.
- Use all new material and first class workmanship. Install all equipment and material in accordance with manufacturer's recommendations.
- Use appropriate bedding material. Bedding shall be placed in 6" lifts with a minimum of 10% compaction. Bedding shall be placed in 6" lifts with a minimum of 10% compaction. Bedding shall be placed in 6" lifts with a minimum of 10% compaction.

DISPOSAL SYSTEM TESTING PROCEDURES

PERFORMANCE TESTING
THE DISPOSAL SYSTEM SHALL BE TESTED FOR LEAKAGE AND PERFORMANCE FOR 24 HOURS. THE TEST SHALL BE PERFORMED BY THE ENGINEER, AND SHALL NOT VARY BY MORE THAN 10%.

9/7/2023 MISC. ADJUSTMENTS PER STATE REVIEW
SPENCER & LAPRE, LLP
ENGINEERING AND SURVEYING CONSULTANTS
85 EUN HILL DRIVE
NORTH CLARENDON, VERMONT

LANDS OF POIKROVSKY
PROPOSED LOT#2
WATER & SEWER DETAILS
SCALE AS NOTED
430 LOWER REBECCA LANE, KILLINGTON, VERMONT
DRAWN BY: JPL DATE: 02/10/2023
DRAWING NO. 2215-5



VERMONT
DEPARTMENT OF PROFESSIONAL REGULATION
Professional Engineer License No. 1533
THIS IS SUBJECT TO PROVISIONS
OR CONDITIONS LISTED IN PERMIT
FORM # VPM-1000-2
DATE PRINTED