

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(s): Hillview Heights, LLC
P.O. Box 4515
Burlington, VT 05406

Permit Number: WW-4-5538

This permit affects the following properties in the Town of Richmond, Vermont:

Lot	Parcel	SPAN	Acres	Book(s)/Page(s)#
1 (Proposed)			1.89	
1 (Existing)	HV2427	519-163-10059	85.50	Book:255 Page(s):417
2 (Proposed)			8.66	
3 (Proposed)			4.60	
4 (Proposed)			4.54	
5 (Proposed)			2.05	
6 (Proposed)			11.63	
7 (Proposed)			52.11	

This application, consisting of a proposed seven (7) lot residential subdivision; Lot 1 with a proposed three (3) bedroom single family residence utilizing a proposed off-site wastewater disposal system and a proposed on-site drilled well water supply, Lot 2, Lot 3, Lot 4, Lot 5, and Lot 6 each with a proposed four (4) bedroom single family residence utilizing a proposed on-site wastewater disposal system and a proposed on-site drilled well water supply, and Lot 7 with a proposed four (4) bedroom single family residence with a detached one (1) bedroom accessory unit utilizing a proposed on-site wastewater disposal system and a proposed on-site drilled well water supply located at 2427 Hillview Road in the Town of Richmond, 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 Town of Richmond 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 Town of Richmond 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 plan(s) prior to the conveyance of a lot.
- 1.4 The permittee is responsible for establishing any easement(s) shown on the approved plans. The land deeds that establish and transfer ownership of the approved lot(s) shall allow future owner(s) the right to construct, maintain, and repair the wastewater and/or potable water supply systems approved herein. If the permittee does not properly execute said easement(s), this permit becomes null and void for any subject lot conveyed without easement(s).



- 1.5 The wastewater system includes the use of an Innovative/Alternative component. Each prospective owner of a lot that utilizes an Innovative/Alternative component shall be shown a copy of the **Innovative/Alternative System Approval letter #2004-02-R9 for Advanced Enviro-Septic® (AES) and Enviro-Septic® (ES) Pipe Leaching System** prior to conveyance of the lot.
- 1.6 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.
- 1.7 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.

2. SUBDIVISION AND CONSTRUCTION

- 2.1 Subdivision and construction shall be completed as shown on the plans and/or documents prepared by Cross Consulting Engineers, P.C. (Ryan Wells, Licensed Designer) with the stamped plans listed as follows:

Title	Sheet #	Plan Date	Revision
<i>Overall Site Plan</i>	C-1	02/23/2022	04/07/2022
<i>Sanitary And Potable Water Plan - Lot 6</i>	C-10	02/23/2022	04/20/2022
<i>Sanitary And Potable Water Plan - Lot 7</i>	C-11	02/23/2022	04/20/2022
<i>Sanitary And Potable Water Specifications & Details</i>	C-12	02/23/2022	04/07/2022
<i>Sanitary And Potable Water Plan - Lots 1 & 2</i>	C-7	02/23/2022	04/07/2022
<i>Sanitary And Potable Water Plan - Lot 3</i>	C-8	02/23/2022	04/07/2022
<i>Sanitary And Potable Water Plan - Lots 4 & 5</i>	C-9	02/23/2022	04/07/2022

- 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 (or where allowed, the installer) 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 any potable water supply, 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.

3.3 Prior to constructing the potable water supply for Lot 7, other than drilling of the water source, the permittee shall submit to the Drinking Water and Groundwater Protection Division a report by a Class 1 or Class BW Designer that includes the estimated yield of the source, specifications for the pump, and the design flow, design rate, and peak instantaneous demand of the potable water supply. If the estimated yield of the source cannot provide water in a quantity that satisfies the design flow, design rate, and instantaneous peak demand, the permittee shall submit an application to the Drinking Water and Groundwater Protection Division that includes a design prepared by a Class 1 or Class BW Designer for the water distribution system, including sizing calculations, specifications for pumps, hydropneumatic tanks, and storage facilities.

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	3-bedroom single family residence	420	420
2	Proposed	4-bedroom single family residence	490	490
3	Proposed	4-bedroom single family residence	490	490
4	Proposed	4-bedroom single family residence	490	490
5	Proposed	4-bedroom single family residence	490	490
6	Proposed	4-bedroom single family residence	490	490
7	Proposed	4-bedroom single family residence + 1-bedroom detached accessory unit	630	630

5. WASTEWATER SYSTEM

5.1 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 Should a 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.

5.3 Should a wastewater system experience future performance issues, including but not limited to failure, the landowner shall engage a qualified Licensed Designer who will contact one the technology's listed Service Providers regarding the performance issue and permit the Service Provider to inspect the site to ensure reporting requirements of the Innovative/Alternative Approval may be met.

5.4 This permit does not relieve the permittee of the obligations of Title 10, Chapter 48, Subchapter 4, for the protection of groundwater.

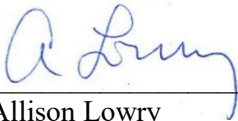
6. POTABLE WATER SUPPLY

6.1 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 a 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

Dated April 21, 2022

By  _____

Allison Lowry
Environmental Analyst VI
Essex Junction Regional Office
Drinking Water and Groundwater Protection Division

Enclosure: I/A Approval Letter

cc: Cross Consulting Engineers, P.C.