



PUBLIC WATER SYSTEM CONSTRUCTION PERMIT
Public Community Water System

LAWS/REGULATIONS INVOLVED
10 V.S.A. Chapter 56, Public Water Supply
VT Environmental Protection Rules, Chapter 21, Water Supply Rule

PROJECT # C-3844-20.0
WATER SYSTEM: Richmond Water Department

PIN # EJ96-0071
WSID # VT0005084

PERMITTEES:

TOWN OF RICHMOND
PO BOX 285
RICHMOND VT 05477

NOYES PROPERTIES, LLC
PO BOX 42
RICHMOND VT 05477

PROJECT NAME: Richmond Town - Whistle Stop Lane Main Extension
TOWN LOCATION: Richmond, Vermont

The initial application proposed a 375' long 8" watermain extension off Railroad Street in Richmond (where the) new main will dead-end with a hydrant (and) the extension will have 3 6" service connections associated with 3 new building lots (Lot 1 is currently being proposed with a 7,000 SF office building and Lots 2 and 3 will remain buildable lots). The project is in Richmond, Vermont.

Subject to the conditions included herein, The Town of Richmond and Noyes Properties, LLC (the Permittees) are authorized to construct 375 linear feet of 8-inch diameter water main, a fire hydrant, 212 linear feet of 6-inch diameter service connection (Lot 1), 173 linear feet of 6-inch service connection (Lot 3), 155 linear feet of 6-inch diameter service connection (Lot 2), associated valves, and associated fittings, as described in the approved design documents identified in Condition A.1 of this permit.

Pursuant to Subchapter 21-4 of the Rule, this project requires a construction permit because it involves the modification of an existing Public Community Water System known as the **Richmond Water Department**, WSID # VT0005084 (Water System).

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.

This permit does not authorize operation of the permitted modifications. Once the activities authorized by this Construction Permit have been completed, but prior to placing them into operation, the written signed and stamped Construction Completion Certification required by Condition A.5 of this permit shall be provided to the Division. Following receipt of the Construction Completion Certification, the Division will issue a permit to Operate to the Water System that formally recognizes the construction activities authorized by this permit.



This Project is permitted to be constructed to conform to the Vermont Standards for Water System Design, Construction, and Protection (Design and Construction Standards) contained in Appendix A of the Rule and shall not constitute a public health hazard or a significant public health risk. The Division’s review is limited to the Rule and the associated federal requirements.

A. Standard Conditions

1. The project shall be constructed, tested, and inspected in accordance with this permit and the approved engineering drawings and specifications prepared by O’Leary- Burke Civil Associates PLC listed below:

| Design Documents Reviewed as part of Permit Application | | |
|--|---------------------|--------------------|
| Document Name | Document Date | Last Revision Date |
| Letter RE: Noyes Properties, LLC, Public Water System Construction Permit Application, Whistle Stop Lane, Richmond, VT | 05/15/2020 | None. |
| Overall Subdivision Plan | 10/02/2019 | 03/27/2020 |
| Subdivision Utility Plan | 09/16/2019 | 01/21/2021 |
| Site Plan | 03/27/2020 | None. |
| Water & Sewer Details | 09/16/2019 | 03/27/2020 |
| Specifications | 09/16/2019 | 01/21/2021 |
| Water Profile | Received 01/22/2021 | None. |

The total number of engineering drawings reviewed by the Division for this project is **six (6)**.

This design is permitted based upon review that determined the design conforms to the Design and Construction Standards of the Rule. Issuance of this permit does not relieve the Permittees of their responsibility to ensure that the Water System’s infrastructure meets the requirements of the Rule. The Permittees shall be responsible for performing any necessary actions required to resolve any sanitary deficiencies or defects identified related to the infrastructure modifications authorized by this permit.

2. Field inspection of the project shall be performed under the responsible charge of a Vermont-licensed professional engineer.
3. Prior to being placed in operation, the newly constructed portions of the Water System shall be flushed, pressure tested, disinfected, and flushed again. After this procedure, at least two sample sets must be collected from representative sample points while meeting the minimum resampling periods between sample collection specified in the Rule and sent to a Vermont Department of Health certified laboratory for Bacteriological Examination of Public Water Supply. The Permittees shall indicate on the laboratory form that the sample is for “Construction Permit Compliance.” Coliform Absent sample results are required before the

system may be placed into operation for potable water use. The pressure/leakage and bacteriological test results shall be submitted to the Division.

4. Record drawings shall be prepared by the Vermont-licensed Professional Engineer responsible for observation of construction and shall depict the system as it was constructed, including any field modifications. Record Drawings shall be dated, contain the Vermont-licensed Professional Engineer Construction Completion Certification, seal and signature on each sheet, and shall be submitted to the Division and, if applicable, to the Water System providing source water and treatment (Wholesaler) within 60 days of final field inspection and approval.
5. The following Construction Completion Certification shall be prepared by the Vermont-licensed Professional Engineer responsible for the observation of construction and submitted with a signed seal affixed:
 - i. "I hereby certify that in the exercise of my reasonable professional judgment the construction-related information submitted is true and correct and that the components of the Public Water System authorized by Public Water Supply Construction Permit # C-3844-20.0:
 1. Were installed in accordance with:
 - a. The permitted design and all permit conditions; or
 - b. Record Drawings and such Record Drawings are in compliance with the applicable rule, were filed with the Secretary, and are in accordance with all other permit conditions;
 2. Were inspected;
 3. Were properly tested; and
 4. Have successfully met those performance tests."
6. An Operation and Maintenance (O&M) Manual update shall be submitted to the Division for review and approval within 60 days of final project inspection and approval. This O&M Manual update shall be prepared to reflect the modification/improvements/constructed infrastructure authorized by this permit and shall meet the requirements of Appendix D of the Rule. Once this O&M Manual update is approved, the Permittees shall incorporate it into the Water System's approved O&M Manual per the requirements of Subchapter 21-7 of the Rule.
7. If petroleum hydrocarbon and/or chlorinated solvent contaminated soils are encountered during any phase of construction, ductile iron pipe materials shall be utilized with fluoro-elastomer gaskets. All pipe materials less than 3-inches in diameter must be copper pipe containing pressure fittings, and all other appurtenances shall be of material resistant to the contamination. *The Permittees shall notify the Waste Management and Prevention Division at (800) 641-5005 or (802) 828-1138 within 12 hours of encountering contaminated soils during this project.*
8. Water service connections from the valve, curb stop, corporation stop at the distribution pipe, to individual buildings or structures, shall not be constructed prior to issuance of a letter of approval from the Water System to the person requesting the water service connection, and the issuance of a Wastewater System and Potable Water Supply Permit by the Division as required. Public Water Supply System letters of approval shall indicate that minimum quantity, quality, and pressure requirements can be provided to the service entrance of the buildings being served. No water service connections from lead-in lines servicing fire hydrants are permissible. No new or modified water service connections shall be constructed without

first receiving a determination by the Division as to whether a Wastewater System and Potable Water Supply Permit is required.

9. The Permittees shall coordinate with the Water System and the professional engineer responsible for observation of construction to perform flow-testing of new and/or replaced fire hydrants within sixty (60) days of construction and submit both flow and hydrostatic pressure data to the Division. If any or all the fire hydrant(s) are unable to meet minimum flow conditions, per Appendix A, Part 7.0.1 of the Rule, while maintaining adequate pressure at all points in the distribution system per Appendix A, Part 8.1.1. of the Rule, the deficient fire hydrant(s) must be removed within ten (10) days.
10. No changes shall be made to the permitted project without the written approval of the Division. A new or amended Construction Permit is required for all significant system improvements, or modifications to the Water System pursuant to Subchapter 21-4, Section 4.0.1 of the Rule. These improvements or modifications shall conform to the Design and Construction Standards in Appendix A of the Rule.
11. **Permit Expiration:** This Construction Permit expires on **February 28, 2023**. If the Construction Completion Certification has not been submitted by this date, the Permittees shall obtain a new public water system construction permit prior to completing any work that was authorized by this permit.
12. This Permit is not transferable or assignable. This Permit is invalid upon a change of ownership or upon suspension or revocation. If a change of ownership occurs prior to the completion of construction and submittal of Record Drawings, the new owner must apply for and obtain a new construction permit.
13. By acceptance of this permit, the Permittees agrees to allow representatives of the State of Vermont access to the project, at reasonable times, to ascertain compliance with Vermont environmental laws and this permit.
14. Pursuant to 10 V.S.A. Chapters 56, 201 and 211, any violation of the terms and conditions of this permit, including any compliance schedule, is grounds for the initiation of an enforcement action by the State against the Permittees.
15. Issuance of this Public Water System Construction Permit does not relieve the Permittees from obtaining other permits or approvals that may be necessary for the Project.

Signed at Montpelier, VT this 26th day of February, 2021

Peter Walke, Commissioner
Department of Environmental Conservation

By _____
Bryan J. Redmond, Division Director
Drinking Water and Groundwater Protection Division

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Town of Richmond and Noyes Properties, LLC
Richmond Town - Whistle Stop Lane Main Extension
Richmond Water Dept
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C: Permittees by email: Richmond Town, jarneson@richmondvt.gov and Noyes Properties, LLC, rhs@gmavt.net
Josh Arneson, Administrative Contact VT0005084, jarneson@richmondvt.gov
Kendall E Chamberlin , Designated Operator VT0005084, kchamberlin@richmondvt.gov
Bryan Currier, Oleary- Burke Civil Associates Plc, bcurrier@olearyburke.com
Ben Montross, Public Drinking Water Program Manager, DWGWP
Helen Banevicius, Administrative Services Coordinator, DWGWP
Andrew Ferguson, Community Systems Operations Specialist, DWGWP

WSID file VT0005084

Public Water System Construction Permit Public Comment Response

For: Attachment to C-3844-20.0, Richmond Town - Whistle Stop Lane Main Extension

From: Drinking Water Groundwater Protection Division

Date: Friday, February 26, 2021

Subject: No Comments Received

The Environmental Notice Bulletin Version 2 (ENB) public comment period for the following project ended on 02/25/2021:

Public Water System Permit Number: C-3844-20.0

Project Name: Richmond Town - Whistle Stop Lane Main Extension

Water System Name: Richmond Water Dept

WSID: VT0005084

No comments were received.

