



**Vermont Department of Environmental Conservation**

Agency of Natural Resources

Watershed Management Division  
1 National Life Drive, Main 2  
Montpelier VT 05620-3522  
www.watershedmanagement.vt.gov

[phone] 802-828-1535  
[fax] 802-828-1544

**AUTHORIZATION TO CONDUCT STREAM ALTERATION ACTIVITIES**

Pursuant to Section C.2.2 of the VT Stream Alteration General Permit (Reporting activities not requiring an application)

Project Number: SA-06- 21 -2015

Applicant Name: Town of Berlin

Mailing Address: 108 Shed Rd., Berlin, VT 05602 Phone: (802) 223-4405

Project Location 44.2181, -72.5725 Email: townadministrator@berlinvt.org

The Secretary of the Vermont Agency of Natural Resources (VT ANR) has determined that: Marky@ottercrk.com

1. This project authorizes an 8" watermain crossing of Pond Brook in the town of Berlin
2. The proposed activity is eligible for coverage under the VT ANR Stream Alteration General Permit.
3. The proposed activity will meet the terms and conditions of the General Permit provided:
  - a) The project will be completed and approved as shown on the plan dated 11/5/2015, prepared by Otter Creek Engineering, and approved by the Vermont Agency of Natural Resources.
  - b) The project will not adversely affect the public safety by increasing flood hazards.
  - c) The project will not significantly damage fish life or wildlife.
  - d) The project will not significantly damage the rights of riparian owners.
  - e) The project will not obstruct the movement of aquatic life indigenous to the waterbody beyond the actual duration of construction.
  - f) The project is conducted in a manner which minimizes or avoids any discharge of sediment or other pollutants to surface waters in violation of the VT Water Quality Standards.
  - g) The ANR River Management Engineer is notified by phone or email when construction begins and when the project is complete.
  - h) In-stream working dates for all GP activities are from July 1<sup>st</sup> through October 1<sup>st</sup>; any in-stream work outside these dates will require an Individual Stream Alteration Permit authorization by the River Management Engineer.
  - i) This authorization has been posted for three days public comment. This authorization constitutes final approval.

If there are any changes in the project plan or deviation in construction from the plan, the Permittee must notify the River Management Engineer immediately.

If the project is constructed as you have described, as shown on the above referenced approved plans and according to the above conditions, there is no reason to expect any violation of Vermont Water Quality Standards.

Signed this 28<sup>th</sup> day of May, 2015  
David K. Mears, Commissioner  
Department of Environmental Conservation

This permit expires October 1, 2015.

by:   
Jaron Borg, River Management Engineer

low Risk, Move to G.P.  
Pmg  
05/28/2015

VERMONT AGENCY OF NATURAL RESOURCES  
STREAM ALTERATION INDIVIDUAL PERMIT APPLICATION

10 VSA, CHAPTER 41, SUBCHAPTER 2

Agency Use Only  
Project # \_\_\_\_\_  
Receipt Date \_\_\_\_\_

Applicant Name Town of Berlin  
Mailing Address c/o Mr. Dana Hadley, Town Administrator  
108 Shed Road Berlin, VT 05602

Phone 802-223-4405 Cell \_\_\_\_\_ Email townadministrator@berlinvt.org

Project Location: Town Berlin Stream Pond Brook Lat 44.2181

Nearby town highway or state route Paine Turnpike North **\*\*ATTACH MAP\*\*** Long .72.5725

Project Description:  
Magnitude (length, volume, etc.) See enclosed Construction Drawings. 8" Restrained Joint Ductile Iron Water  
Main Perpendicular Crossing of Pond Brook.  
Purpose To Provide Municipal Water Service and Fire Protection.  
Construction Procedure See Construction Drawings. Contractor to provide temporary stream bypass around  
work area. Water main to be at least 3-feet below streambed.  
Erosion/Sediment/Water Control Procedure Temporary bypass, silt curtain, erosion stabilization on embankments.

ATTACH 2 COPIES : layout plan, typical or surveyed cross sections, stream profile and pertinent hydraulic or hydrologic information  
Otter Creek Engineering, Inc.

Consultant/Project Supervisor Mark P. Youngstrom, P.E. Phone 802-747-3080 Email marky@ottercrk.com

Duration of in-stream construction (anticipated) One week

Name and addresses of landowners and/or abutters adjacent to or across the stream from the project: Signatures are necessary if you intend to work on adjacent property or if the project will directly affect the property of others. Attach extra sheet, if needed.

Name Richard & Pamela Turner Address 58 Freedom Drive Montpelier, VT 05602

Name City of Montpelier Address 39 Main Street Montpelier, VT 05602

Name \_\_\_\_\_ Address \_\_\_\_\_

**\*\*APPLICANT MUST FILE COPY OF THIS APPLICATION WITH TOWN CLERK AND ADJOINERS\*\***

CERTIFICATION: I hereby certify that the information on this application is, to the best of my knowledge, true and accurate and that I have forwarded a copy of this application to the selectboard and town clerk of the town in which this project is to occur and to each landowner adjoining or across the stream from the project area as required in the Vermont Stream Alteration Rule. I recognize that by signing this application I am giving consent to employees of the State to enter the subject property for the purpose of processing this application and for ensuring the compliance with subsequent agency decisions relating to the project.

Print Full Name Dana Hadley, Town Administrator for the Town of Berlin

Signature of Applicant: *Dana Hadley* Date 04/21/2015

NOTE: A PERMIT MAY BE REQUIRED FROM THE US ARMY CORPS OF ENGINEERS. For information contact:  
US Army Corps of Engineers, VT Project Office, 11 Lincoln St - Rm210, Essex Jct VT 05452 802-872-2893

ENCLOSE \$225.00 APPLICATION FEE PAYABLE BY CHECK OR MONEY ORDER TO THE "STATE OF VERMONT"  
MUNICIPALITIES ARE EXEMPT FROM FEE

## StreamStats Version 3 Beta

### Basin Characteristics Ungaged Site Report

Date: Mon Apr 20, 2015 12:41:44 PM GMT-4  
 NAD 1983 Latitude: 44.2181 (44 13 05)  
 NAD 1983 Longitude: -72.5725 (-72 34 22)

Label	Value	Units	Definition
DRNAREA	11	square miles	Area that drains to a point on a stream
EL1200	65.7	percent	Percentage of basin at or above 1200 ft elevation
LC06STOR	7.61	percent	Percentage of water bodies and wetlands determined from the NLCD 2006
PRECPRIS10	41.1	inches	Basin average mean annual precipitation for 1981 to 2010 from PRISM
OUTLETX	494195	State plane coordinates	Basin outlet horizontal (x) location in state plane coordinates
OUTLETY	190875	State plane coordinates	Basin outlet vertical (y) location in state plane coordinates
CENTROIDX	492508.3	State plane coordinates	Basin centroid horizontal (x) location in state plane coordinates
CENTROIDY	186229.5	State plane coordinates	Basin centroid vertical (y) location in state plane units
LC11IMP	2.62	percent	Percentage of impervious area determined from NLCD 2011 impervious dataset
LC11DEV	11.2	percent	Percentage of land-use from NLCD 2011 classes 21-24

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U.S. Department of the Interior | U.S. Geological Survey

URL: [http://ssdev.cr.usgs.gov/v3\\_beta/BCreport.htm](http://ssdev.cr.usgs.gov/v3_beta/BCreport.htm)

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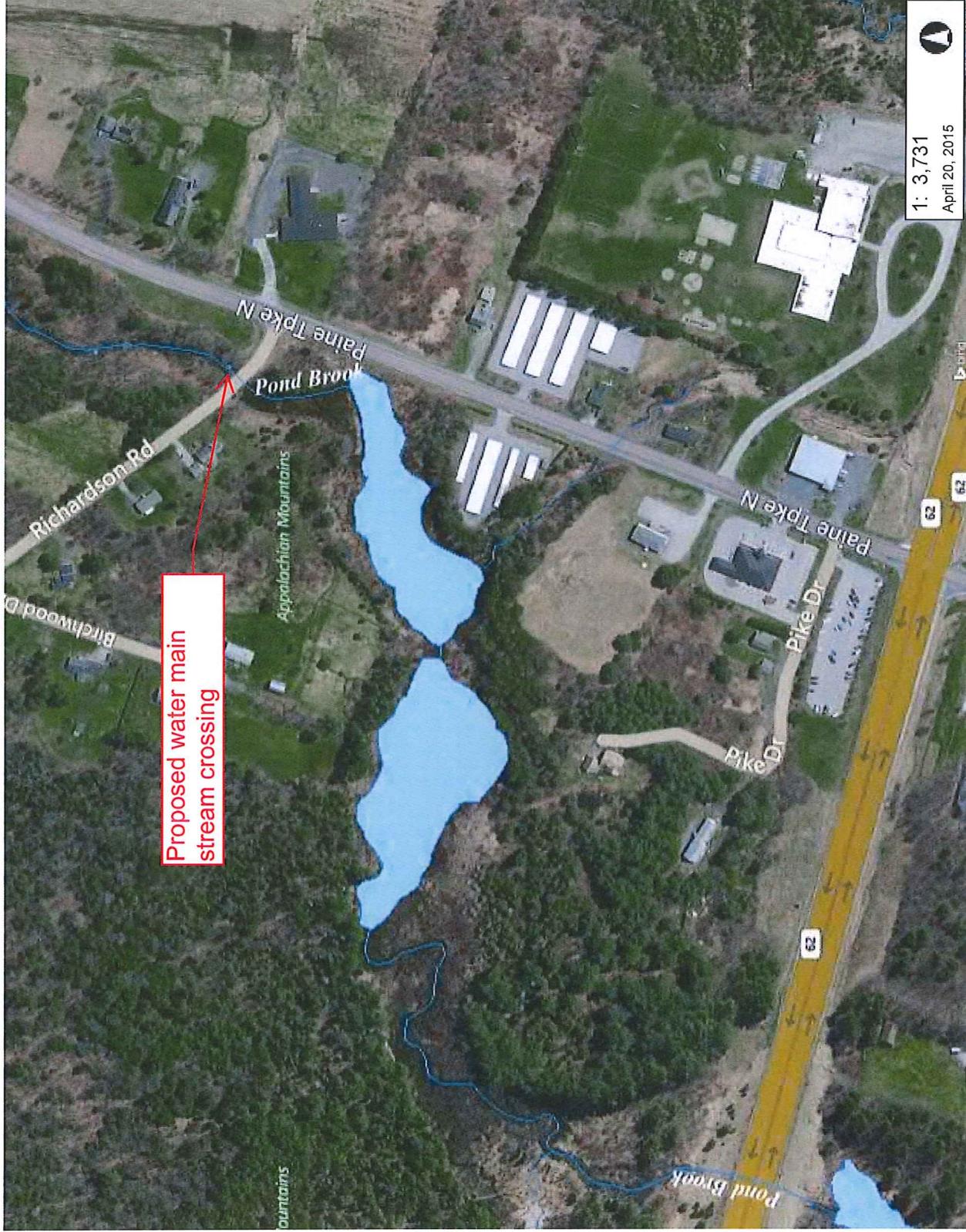


**LEGEND**

- Waterbody
- Stream
- Town Boundary

**NOTES**

Map created using ANR's Natural Resources Atlas



Proposed water main stream crossing

1: 3,731  
April 20, 2015

190.0 95.0 190.0 Meters

1" = 311 Ft. 1cm = 37 Meters

THIS MAP IS NOT TO BE USED FOR NAVIGATION

DISCLAIMER: This map is for general reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable. ANR and the State of Vermont make no representations of any kind, including but not limited to, the warranties of merchantability, or fitness for a particular use, nor are any such warranties to be implied with respect to the data on this map.

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