

Vermont Department of Environmental Conservation  
Watershed Management Division  
Rutland Regional Office  
88 Merchants Row, Suite 430 Asa Bloomer Building  
Rutland, VT 05701-5903

Agency of Natural Resources

<http://dec.vermont.gov/watershed/rivers>

[cell] 802-490-6163

[fax] 802-786-5915

## 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-09-012-2016**

Watercourse: **Unnamed tributary**

Applicant Name: **Stratton Mountain Resort**

Email: [jcavagnino@intrawest.com](mailto:jcavagnino@intrawest.com)

Mailing Address: **5 Village Lodge Rd, Stratton, VT 05149**

Phone: **(802) 228-2841**

Project Location: **Stratton Mtn. Country Club**

Lat/Lon: **N 43.124404 / W 72.891254**

The Secretary of the Vermont Agency of Natural Resources (VT ANR) has determined that:

1. This project authorizes under **Section C.2.2.5 - the replacement of an existing CMP with a wood deck bridge.**
2. The proposed activity is eligible for coverage under the VT ANR Stream Alteration General Permit (SAGP).
3. The proposed activity will meet the terms and conditions of the General Permit provided:
  - a) The project will be completed **as described in the sketches and description included by applicant.**
  - 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 is completed.
  - h) **Normal in-stream Time of Year (TOY) working dates for all SAGP activities are from July 1<sup>st</sup> through October 1<sup>st</sup>,** any in-stream work outside these dates will require an authorization by the River Management Engineer (RME).
  - i) This authorization has been posted for three working days public comment. This authorization constitutes final approval.

**Additional Conditions: Onsite preconstruction meeting is required prior to commencement of any instream work activities.**

If there are any changes in the project plan or deviation in construction from the approved plans, Permittee must notify the ANR River Management Engineer immediately via phone (802) 490-6962 or email [scott.jensen@vermont.gov](mailto:scott.jensen@vermont.gov)

*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 30<sup>th</sup> day of August, 2016

This permit expires on October 1, 2017.

Alyssa B. Schuren, Commissioner  
Department of Environmental Conservation

by: \_\_\_\_\_

Scott Jensen, P.E. River Management Engineer



VERMONT DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
**WATERSHED MANAGEMENT DIVISION**  
 RIVERS PROGRAM



**Application and Reporting Form**  
**for coverage under the Stream Alteration Permit**

1022 & 7503 And 10 VSA, CHAPTER 41, SUBCHAPTER 2

For Stream Alteration Permitting Use Only

Application Number: **SA-09-012-2016**

It is strongly recommended prior to your submission of this application to have a site visit with the District Engineer in your area. For engineer and district contact information, please visit our website at [http://dec.vermont.gov/sites/dec/files/wsm/rivers/docs/RME\\_districts\\_12.14.pdf](http://dec.vermont.gov/sites/dec/files/wsm/rivers/docs/RME_districts_12.14.pdf)

Site Visit Date: June 2, 2016 Engineer present: Scott Jensen

Please select the application type below

Individual Permit Application <input type="checkbox"/> \$350.00	General Permit Application <input type="checkbox"/> \$200.00	Reporting Activity not requiring an application <input checked="" type="checkbox"/> \$200.00
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**A. Applicant Contact Information:**

1. Name: Stratton Mountain Resort  
 2a. Mailing Address: 5 Village Lodge Road  
 2b. Town: Stratton      2c. State: VT      2d. Zip: 05148  
 3. Phone: 802-297-4276      4. Email: [jcavagnino@intrawest.com](mailto:jcavagnino@intrawest.com)

**B. Landowner (if different than applicant):**

1. Name:  
 2a. Mailing Address:  
 2b. Town:      2c. State:      2d. Zip:  
 3. Phone:      4. Email:

**C. Project Location:**

1. Address: Stratton Mtn Country Club      2. Town: Winhall  
 3. River: N/A      Please follow this link to the [ANR Atlas Map](#)  
 4a. Latitude: 43.124404      4b. Longitude: -72.891254

**D. Contractor:**

1. Name: Stratton Mountain Resort      2. Phone: 802-297-4276  
 3. Email: [jcavagnino@intrawest.com](mailto:jcavagnino@intrawest.com)

**E. Consultant:**

1. Name:      2. Phone:  
 3. Email:

**F. Project Description:**

To remove a metal culvert that crosses a golf course hole that has failed. The stream bed will be returned to a natural stream that is left open. The pitch, stream bottom, and banks will all match the stream above and below where the culvert used to be.

**G. Please check the required attachments: (additional information may be required after initial application review)**

- Location Map
- Project design drawings including: plan view, cross sections, existing & proposed conditions, bankfull width (channel width at high water)
- For individual and General Permits: List of adjoining landowners; names and complete addresses.

**H. Applicant Certification for Reporting Activity Only:**

I hereby certify that the information on this application is, to the best of my knowledge, true and accurate. 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 compliance with subsequent agency decisions relating to the project.

Applicant Signature: \_\_\_\_\_



Date: \_\_\_\_\_

9/18/14

**I. Applicant Certification for General and Individual Permits:**

**For Stream Alteration General and Individual Permit Applications:  
Applicant must file copy of this application with the Town Clerk and Adjoiners.**

I hereby certify that the information on this application is, to the best of my knowledge, true and accurate and that I have provided a copy of this application to the select board and town clerk of the municipality in which this activity is located, the local and regional planning commissions, and to each adjoining landowner 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 compliance with subsequent agency decisions relating to the project.

Applicant Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Print Full Name: \_\_\_\_\_

**If the project is occurring on property other than your own, please include additional signatures below:**

Landowner(s) Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Print Full Name: \_\_\_\_\_

Landowner(s) Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Print Full Name: \_\_\_\_\_

**A PERMIT MAY BE REQUIRED FROM THE US ARMY CORPS OF ENGINEERS**

For information contact: USA Corps of Engineers, VT Project Office, 8 Carmichael Street Suite 205, Essex Jct VT 05452 802-872-2893

**Submit this form and enclose the appropriate application fee listed on the top of page one, payable to:**

**State of Vermont - Vermont Department of Environmental Conservation  
Watershed Management Division - Stream Alteration Permitting  
1 National Life Drive, Main 2  
Montpelier, VT 05620-3522**

Direct all correspondence or questions to Mineral Prospecting Permitting at: ANR.WSMDRivers@vermont.gov  
For additional information visit: <http://dec.vermont.gov>

### **Streambed Stone Fill Design Guidance**

<b>Type</b>	<b>Velocity Range (fps)*</b>	<b>Embeddedness (in)</b>
E1	$V \leq 9$	18
E2	$9 < V \leq 11$	24
E3	$11 < V \leq 13$	36
E4	$13 < V \leq 15$	48

\*Maximum velocity should be based on a minimum 50-year design flow rate and calculated at the structure outlet.

### **Item xxx.xxx CY Streambed Stone Fill Specification**

Type E1. The longest dimension of the stone shall be at least 18 inches, and at least 50 percent of the volume of the stone in place shall have a least dimension of 12 inches, and at least 25 percent of the particles shall have a maximum dimension of 2 inches and be well graded material.

Type E2. The longest dimension of the stone shall be at least 24 inches, and at least 50 percent of the volume of the stone in place shall have a least dimension of 18 inches, and at least 25 percent of the particles shall have a maximum dimension of 2 inches and be well graded material.

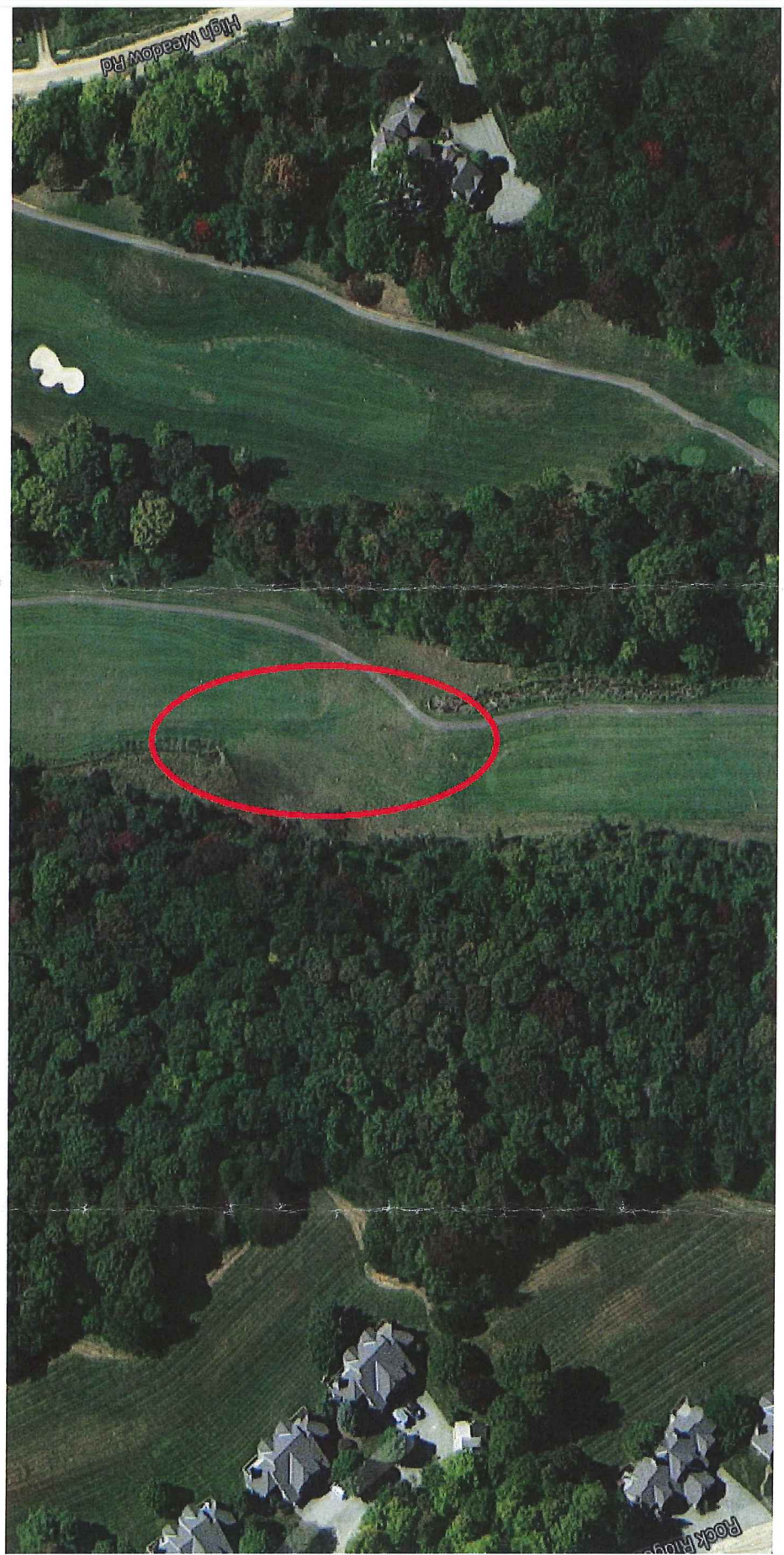
Type E3. The longest dimension of the stone shall be at least 36 inches, and at least 50 percent of the volume of the stone in place shall have a least dimension of 24 inches, and at least 25 percent of the particles shall have a maximum dimension of 2 inches and be well graded material.

Type E4. The longest dimension of the stone shall be at least 48 inches, and at least 50 percent of the volume of the stone in place shall have a least dimension of 36 inches, and at least 25 percent of the particles shall have a maximum dimension of 2 inches and be well graded material.

### Notes

- The streambed stone fill shall be hard, blasted, angular rock other than serpentine rock containing the fibrous variety chrysotile (asbestos). Similar sized river sediment is an acceptable alternative as is a mixture of angular material and river sediment.
- Stone placed inside of a closed structure shall be placed such that the structure is not damaged.
- Care shall be taken to limit segregation of the materials.
- Add sand borrow item as needed to seal the bed and prevent subsurface flow.
- There shall be no subsurface flow upon final inspection.







Stratton Golf Course Culvert removal →  
Bridge install 12'x18' set on Steel I Beams

