

Vermont Department of Environmental Conservation

Watershed Management Division
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Agency of Natural Resources

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AUTHORIZATION TO CONDUCT NEXT FLOOD MEASURES

Pursuant to Section F of the Vermont Stream Alteration General Permit

Project Number: **SA-05-008-2015 Marlboro Auger Hole Road**

Applicant Name: Marlboro Highway Department

Contact: David Elliott, Road Foreman

Mailing Address: PO Box 76 Marlboro, VT 05344

Phone: (802) 257-0252

Project Location: Marlboro Branch on Auger Hole Rd by house #3127

Email: marlborofirechief@myfairpoint.net

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

1. This project authorizes road embankment stabilization, tree and debris removal, and placement of rock rip-rap to further arrest a mass failure from Irene that was fixed in 2011 and 2012 and has continued to erode into the road.
2. The proposed activity is eligible for coverage under the VT ANR Stream Alteration General Permit – Next Flood Protective Measures.
3. The proposed activity will meet the terms and conditions of Section F of the General Permit provided:
 - a) The project will be completed and approved as shown on the undated plan, prepared by David Elliott, and approved by the Vermont Agency of Natural Resources including a stacked rock wall detail attached.
 - b) The project is proportional to the threat and conditioned to cease when the threat to life or to improved property has ended.
 - c) The project will not result in a threat to life, public health or safety.
 - d) The project will meet the standards detailed in subsection E.2.1 and E.2.2 of the General Permit.
 - e) The project will meet Stream Alteration Standards to the greatest extent possible.
 - f) A pre-construction meeting is held between the contractor, owner/applicant, and the ANR River Management Engineer.
 - g) The River Management Engineer is notified by phone or email when construction begins and when the project is complete.

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 17th day of March, 2015

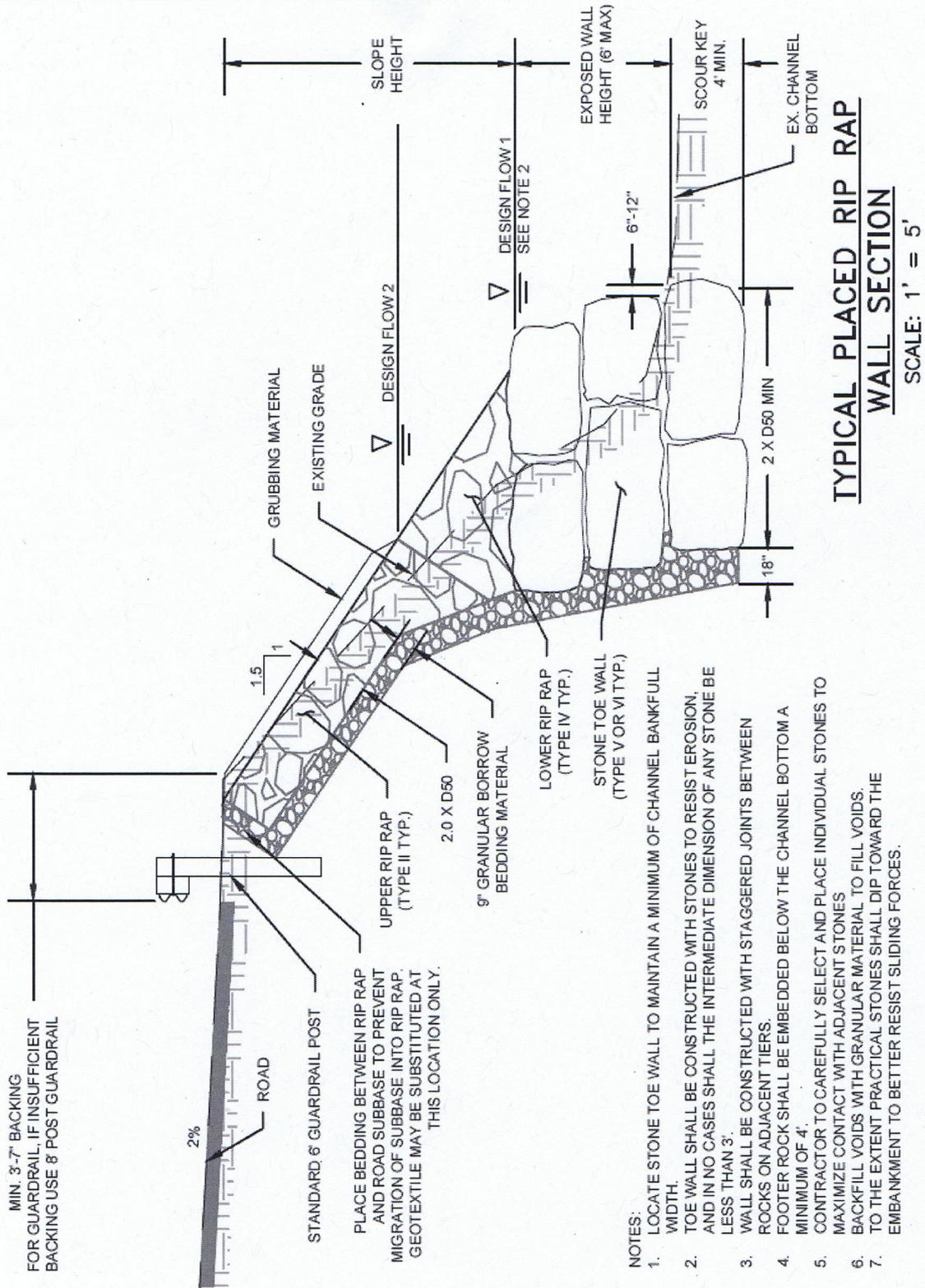
This permit expires October 1, 2015.

David K. Mears, Commissioner
Department of Environmental Conservation

by: 

Todd Menees, P.E., P.H., River Management Engineer

CONCEPTUAL DESIGN PLANS/DETAILS



- NOTES:
1. LOCATE STONE TOE WALL TO MAINTAIN A MINIMUM OF CHANNEL BANKFULL WIDTH.
 2. TOE WALL SHALL BE CONSTRUCTED WITH STONES TO RESIST EROSION, AND IN NO CASES SHALL THE INTERMEDIATE DIMENSION OF ANY STONE BE LESS THAN 3'.
 3. WALL SHALL BE CONSTRUCTED WITH STAGGERED JOINTS BETWEEN ROCKS ON ADJACENT TIERS.
 4. FOOTER ROCK SHALL BE EMBEDDED BELOW THE CHANNEL BOTTOM A MINIMUM OF 4'.
 5. CONTRACTOR TO CAREFULLY SELECT AND PLACE INDIVIDUAL STONES TO MAXIMIZE CONTACT WITH ADJACENT STONES.
 6. BACKFILL VOIDS WITH GRANULAR MATERIAL TO FILL VOIDS.
 7. TO THE EXTENT PRACTICAL STONES SHALL DIP TOWARD THE EMBANKMENT TO BETTER RESIST SLIDING FORCES.

Figure 5.2-3: Placed riprap wall typical detail. (Source: Dubois & King and Milone & MacBroom, Inc., 5/1/2014)

Near # 3127 Augur Hole Rd.

Marlboro VT

Augur Hole road

Remove Debris

Key in type II and type III rip-rap

Tie in to existing rip-rap

