

**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-05-014-2015 Chester Scullin Road Embankment**

Applicant Name: Town of Chester Highway Department

Contact: Graham Kennedy

Mailing Address: P.O. Box 370, Chester, Vermont 05143

Phone: (802) 875-2737

Project Location: Embankment of Scullin Road on Williams River Email: [jhchester@vermontel.net](mailto:jhchester@vermontel.net)

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

1. This project authorizes 70' long stacked rock wall on the Scullin Road embankment along the Middle Branch of the Williams River to protect the public access on the town highway right-of-way eroded in 2011 and further in 2014.
2. The proposed activity is eligible for coverage under the VT ANR Stream Alteration General Permit – Next Flood 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 plan dated 5/1/2014 labeled Fig 5.2-3 of the VT SRMPP, and approved by the Vermont Agency of Natural Resources as attached herein.
  - 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 27<sup>th</sup> day of May, 2015  
David K. Mears, Commissioner  
Department of Environmental Conservation

This permit expires October 1, 2015.

by:   
\_\_\_\_\_  
Todd Menees, P.E., P.H., River Management Engineer

43°15'38"N, 72°35'46"W

accuracy: 36ft



70

5

0

-5

-10

-15

-20

5

0

-5

-10

-15

-20

-25

120

150

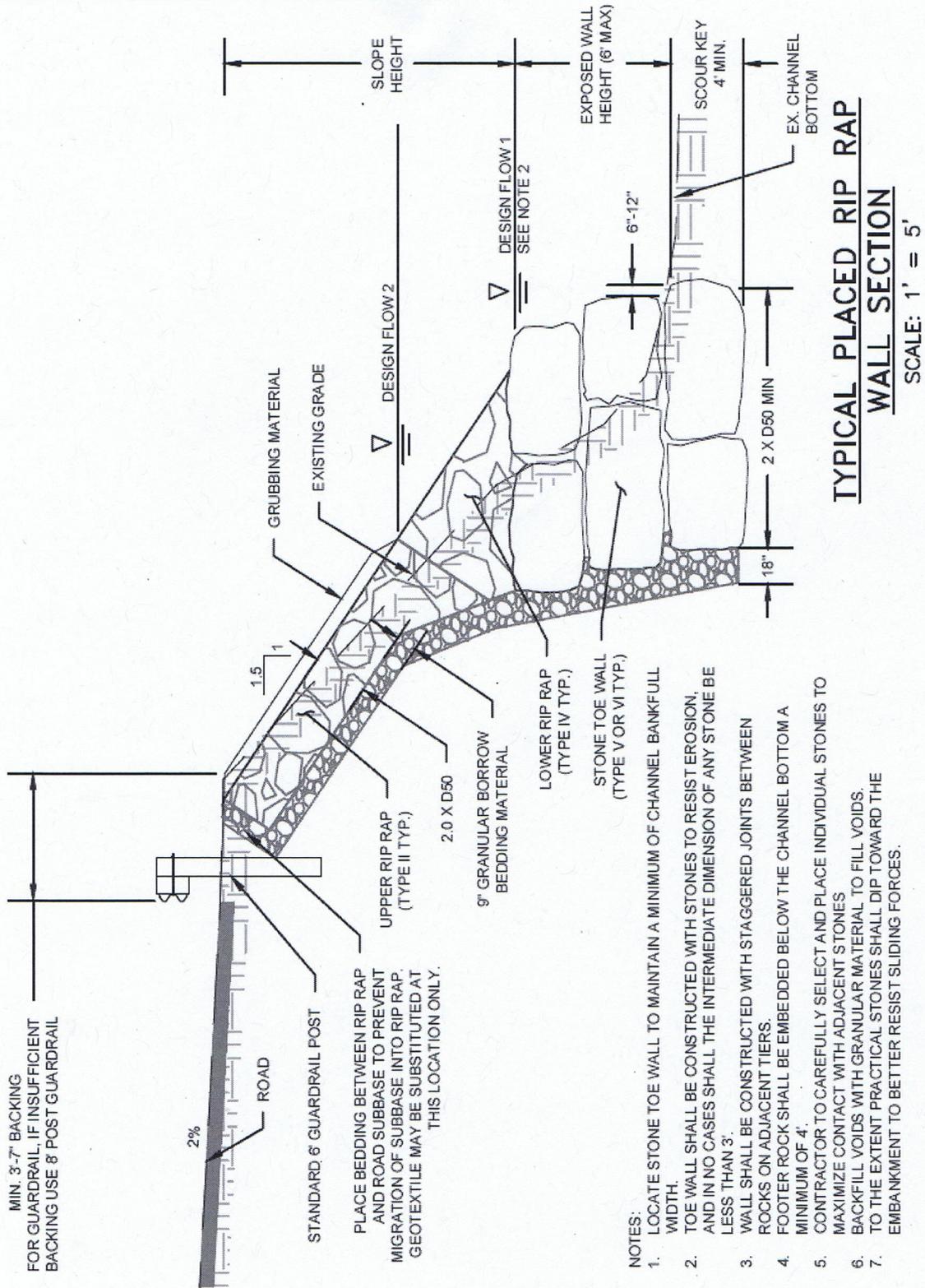
05/07/2015

9:47 AM

Altitude  
522 ft

E

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)