

**Vermont Department of Environmental Conservation**

Watershed Management Division, Rivers Program

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Montpelier, VT 05620-3522

<http://dec.vermont.gov/watershed>*Agency of Natural Resources*

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**AUTHORIZATION TO CONDUCT STREAM ALTERATION ACTIVITIES**

Pursuant to Section C.2.2.1 of the VT Stream Alteration General Permit

Project Number: **SA-05-019-2016 Rockingham Margaret Clark**

Applicant Name: Margaret Clark

Contact: Margaret Clark

Mailing Address: Box 743, 32 Pleasant St., Rockingham, VT 05154

Phone: 802-869-1025

Project Location: behind house on un-named tributary to Saxtons River

Email: [mcbclark@gmail.com](mailto:mcbclark@gmail.com)

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

1. This permit authorizes a placed rip-rap wall bank stabilization on an un-named tributary to stabilize a stream bank eroded in T.S. Irene and a subsequent flood on July 28, 2014 to protect private property on the Clark parcel.
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 undated plans by TMG and a detail prepared by Milone & MacBroom as approved by the Vermont Agency of Natural Resources and attached herein.
  - 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.

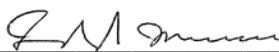
If the project is constructed as you have described, as shown on the above referenced approved plans and according to the above conditions, there is no reason to expect any violation of Vermont Water Quality Standards.

Signed this 1<sup>st</sup> day of September, 2016

This permit expires October 1, 2017.

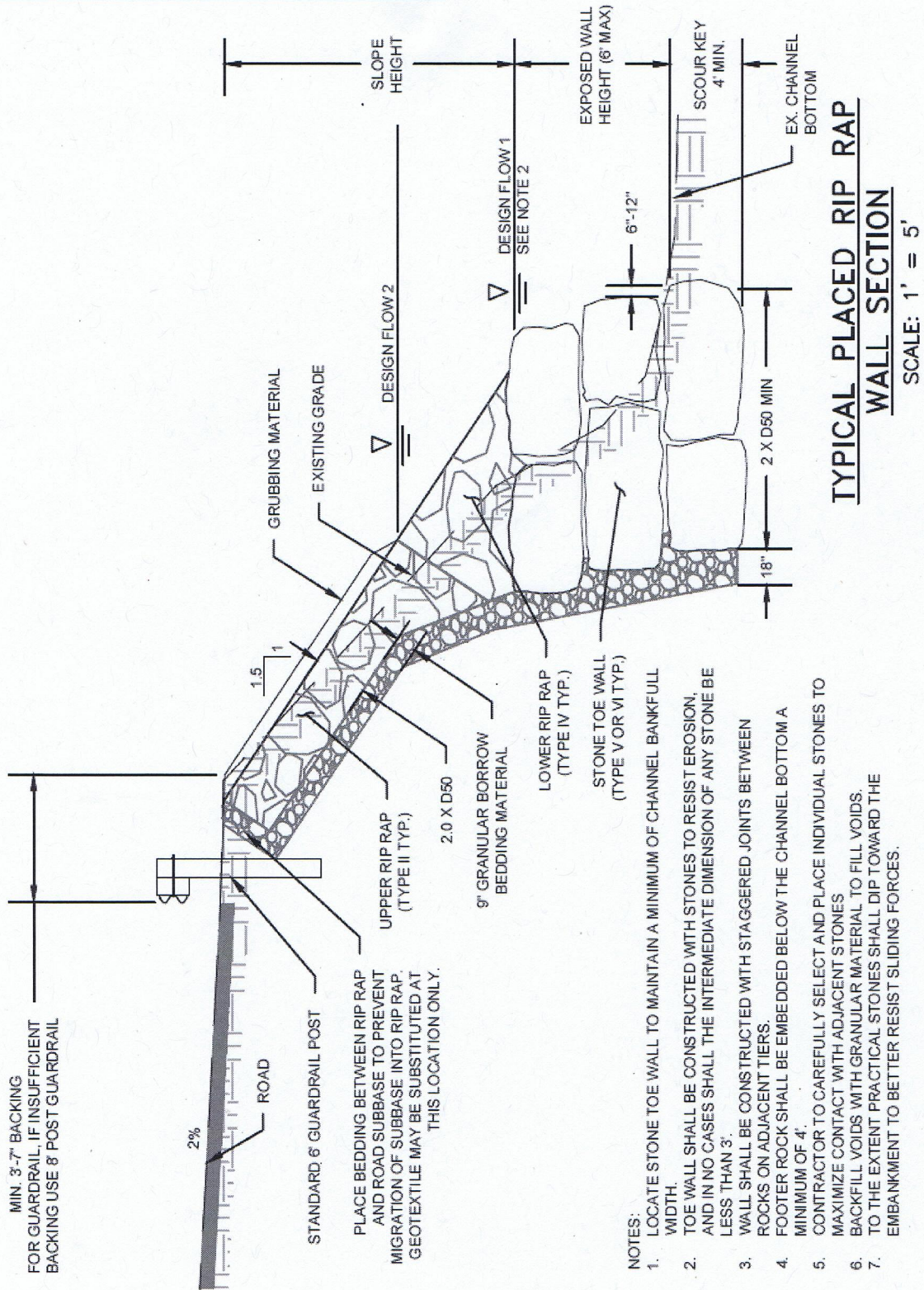
Alyssa B. Schuren, Commissioner

Department of Environmental Conservation

by 

Todd Menees, P.E., River Management Engineer

CONCEPTUAL DESIGN PLANS/DETAILS



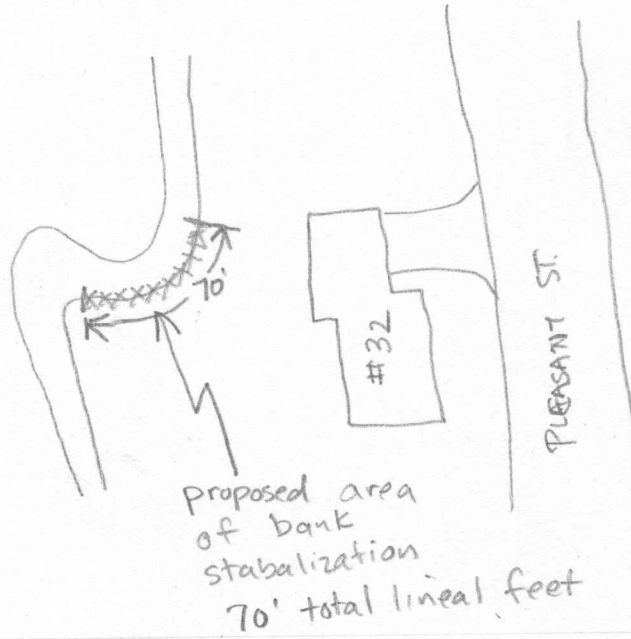
- NOTES:
1. LOCATE STONE TOE WALL TO MAINTAIN A MINIMUM OF CHANNEL BANKFULL WIDTH.
  2. TOE WALL SHALL BE CONSTRUCTED WITH STONES TO RESIST EROSION, AND IN NO CASES SHALL THE INTERMEDIATE DIMENSION OF ANY STONE BE LESS THAN 3'.
  3. WALL SHALL BE CONSTRUCTED WITH STAGGERED JOINTS BETWEEN ROCKS ON ADJACENT 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)

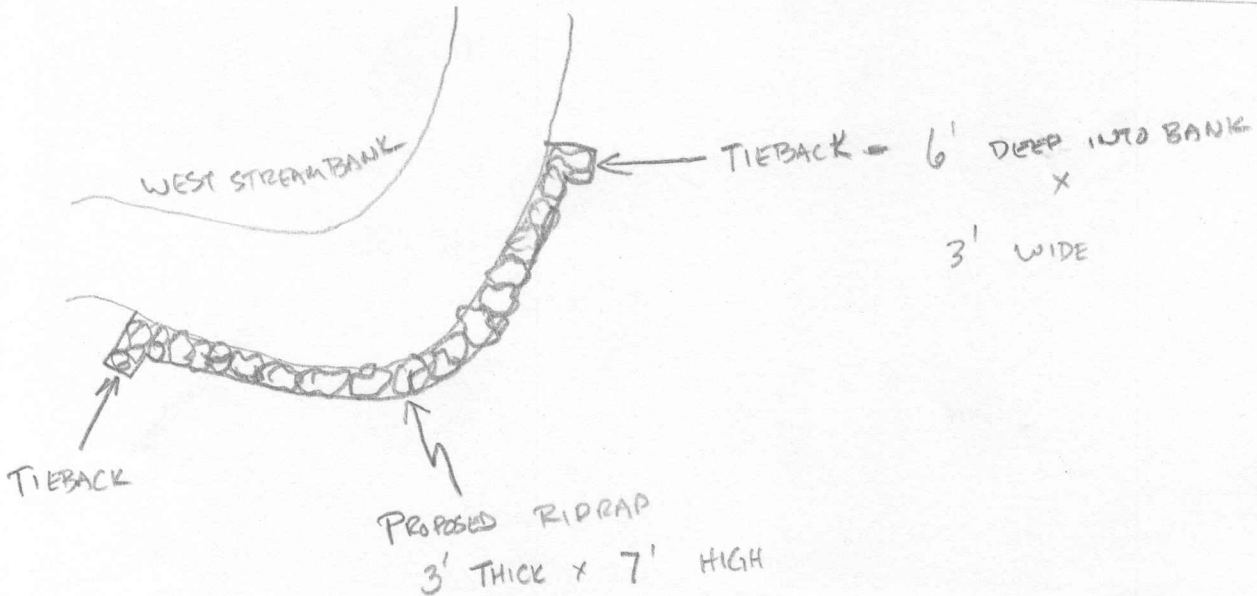
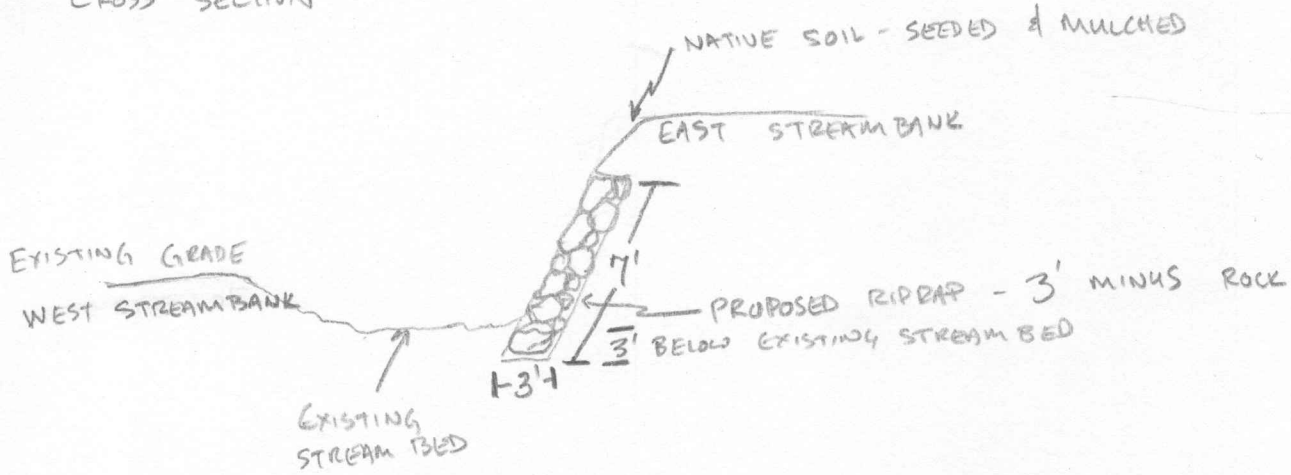


SITE PLAN

SKETCH PLAN  
FOR  
MARGARET CLARK  
32 PLEASANT ST  
SAXTONS RIVER VT 05154



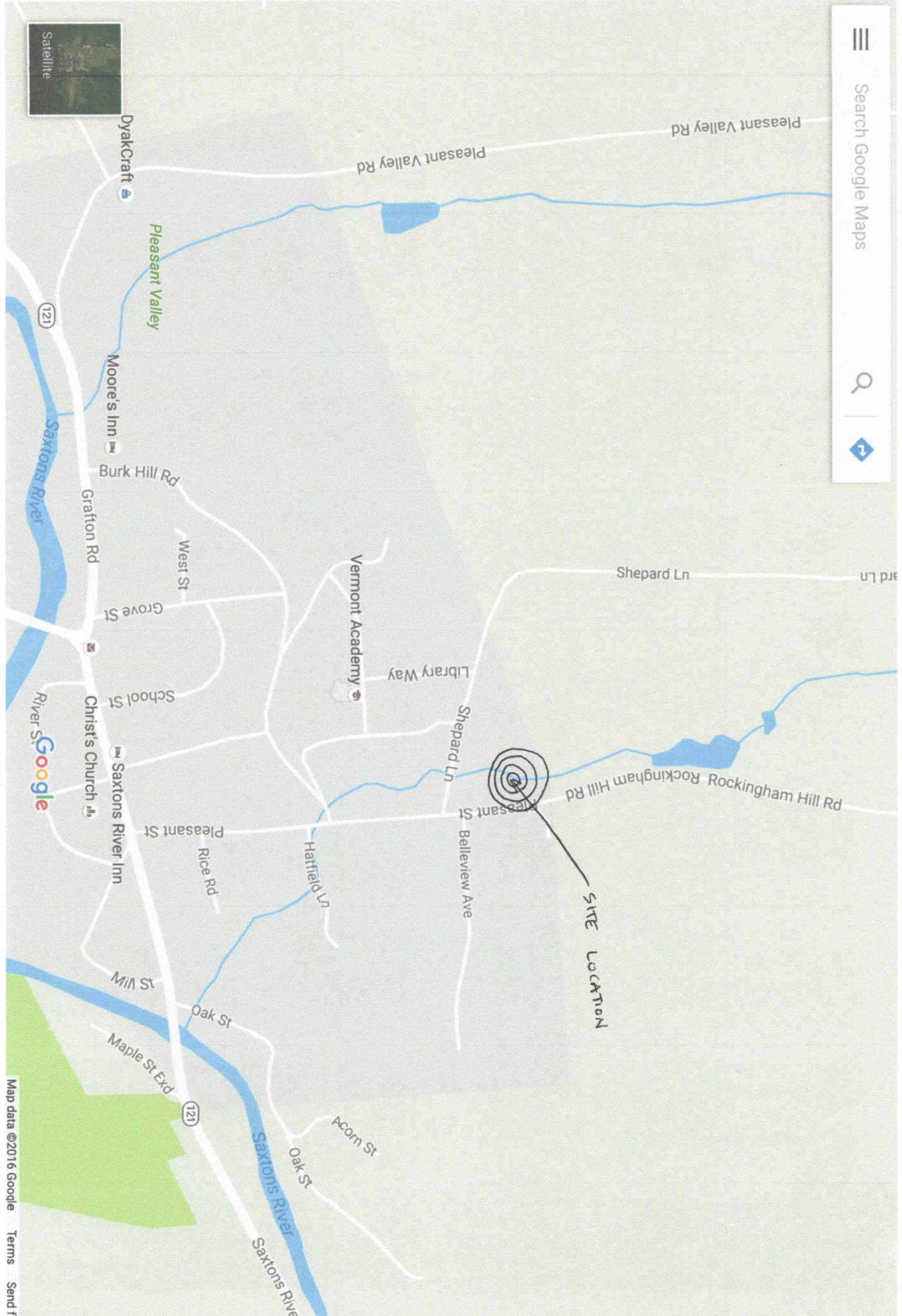
CROSS SECTION







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SITE LOCATION





