

Vermont Department of Environmental Conservation

Watershed Management Division
Springfield Regional Office
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Springfield, VT 05156
www.watershedmanagement.vt.gov

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-05-026-2015 Reading Smith Bank Stabilization**

Applicant Name: Allan Douglas and Karen Smith

Contact: Doug Smith

Mailing Address: 1100 Baileys Mills Road, Reading, Vermont 05062

Phone: 802-484-5072

Project Location: 1100 Baileys Mills Rd on Mill Brook west of drive and house

Email: adsmith45@gmail.com

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

1. This project authorizes bank stabilization on Mill Brook to protect driveway and utility pole serving Smith residence damaged during T.S. Irene in two locations along stream bank to the east of Baileys Mills Road.
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 6/24/15, prepared by Fitzgerald Environmental, 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.

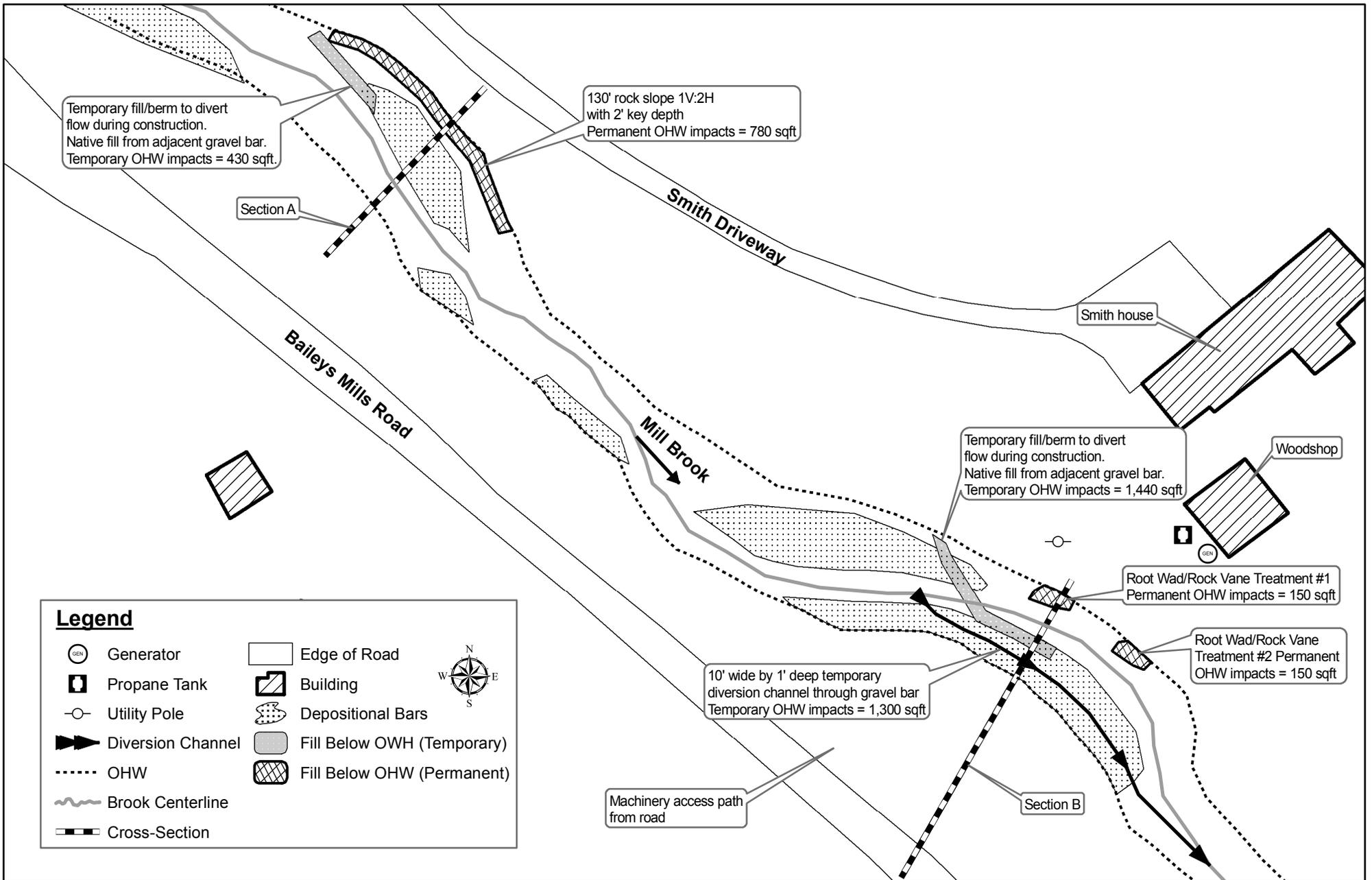
If the project is constructed as you have described, as shown on the above referenced approved plans and according to the above conditions, there is no reason to expect any violation of Vermont Water Quality Standards.

Signed this 6th day of August, 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



Fitzgerald
Environmental
Associates, LLC

18 Severance Green, Suite 203
Colchester, VT 05446
Telephone: 802.876.7778
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Allan and Karen Smith Property
1100 Baileys Mills Road, Reading, VT

**Proposed Bank Armoring &
OHW Fill Map**

0 30 60
Feet

Figure 2
Site Plan

1 inch = 60 ft

Date: June 24, 2015
Drawn: EPF

Notes:
- OHW location and cross-section locations from December 2014 survey.
- Revised June 24, 2015 per comments from USACE

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Job: Smith Property, Reading, VT

Sheet No. 1 of 3

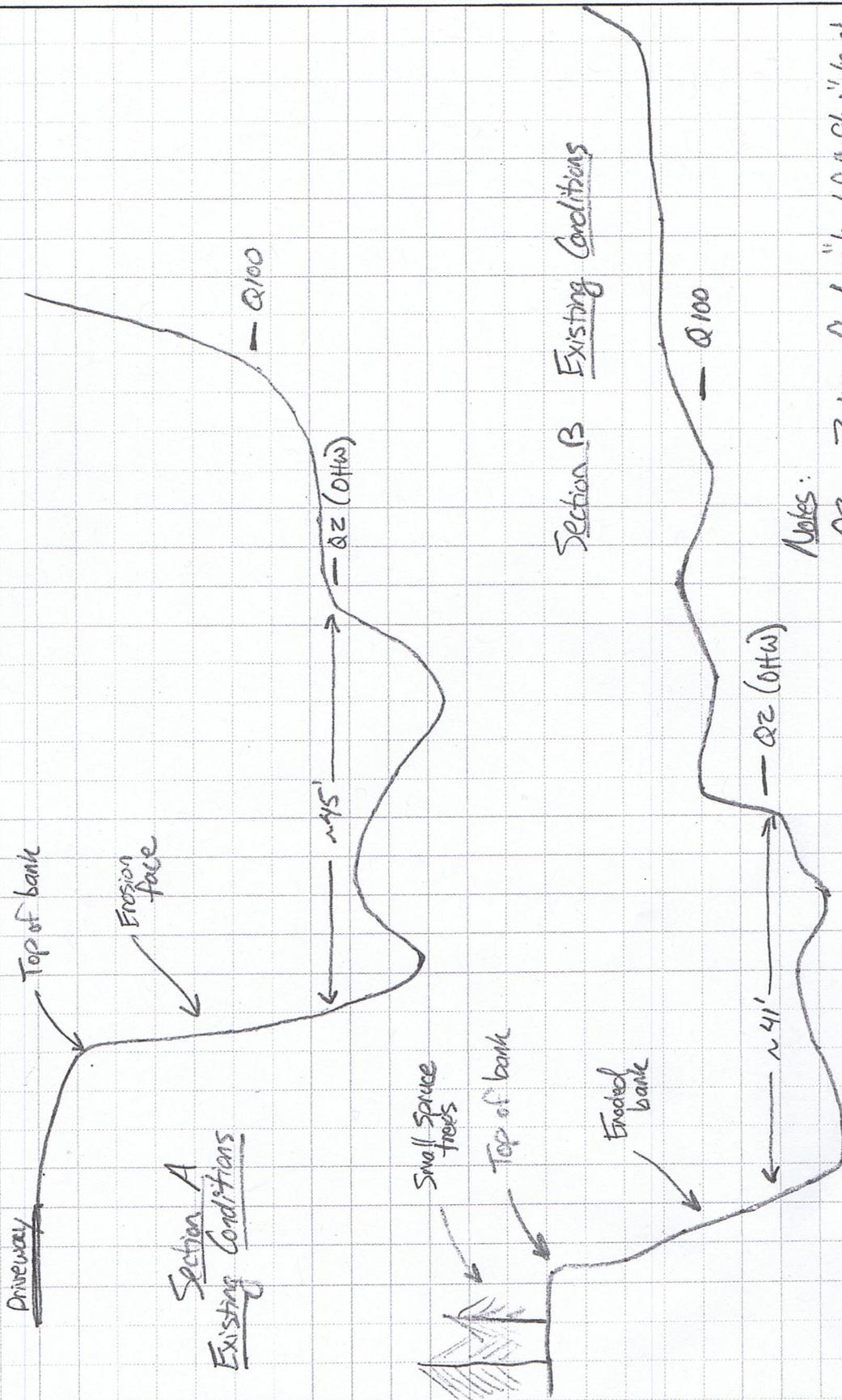
Date: 3/15/15

Vertical Scale: 1" = 4'

Drawn by: EPF

Horizontal Scale: 1" = 16'

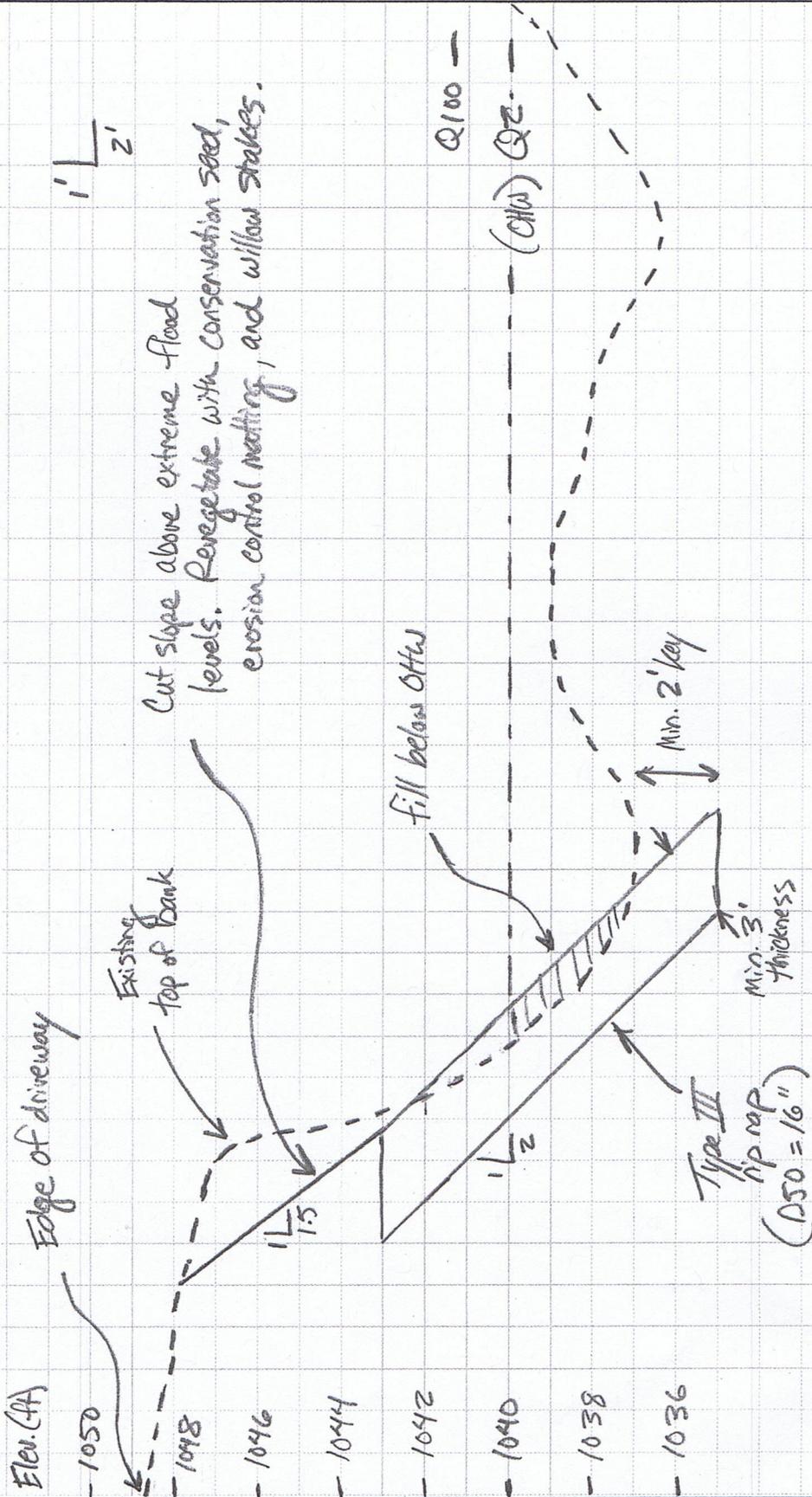
1" = 4'



Notes:

Q2 = 2-year flood, or "bankfull flow" level
 Q100 = 100-year flood level

From HEC-RAS modeling of reach.

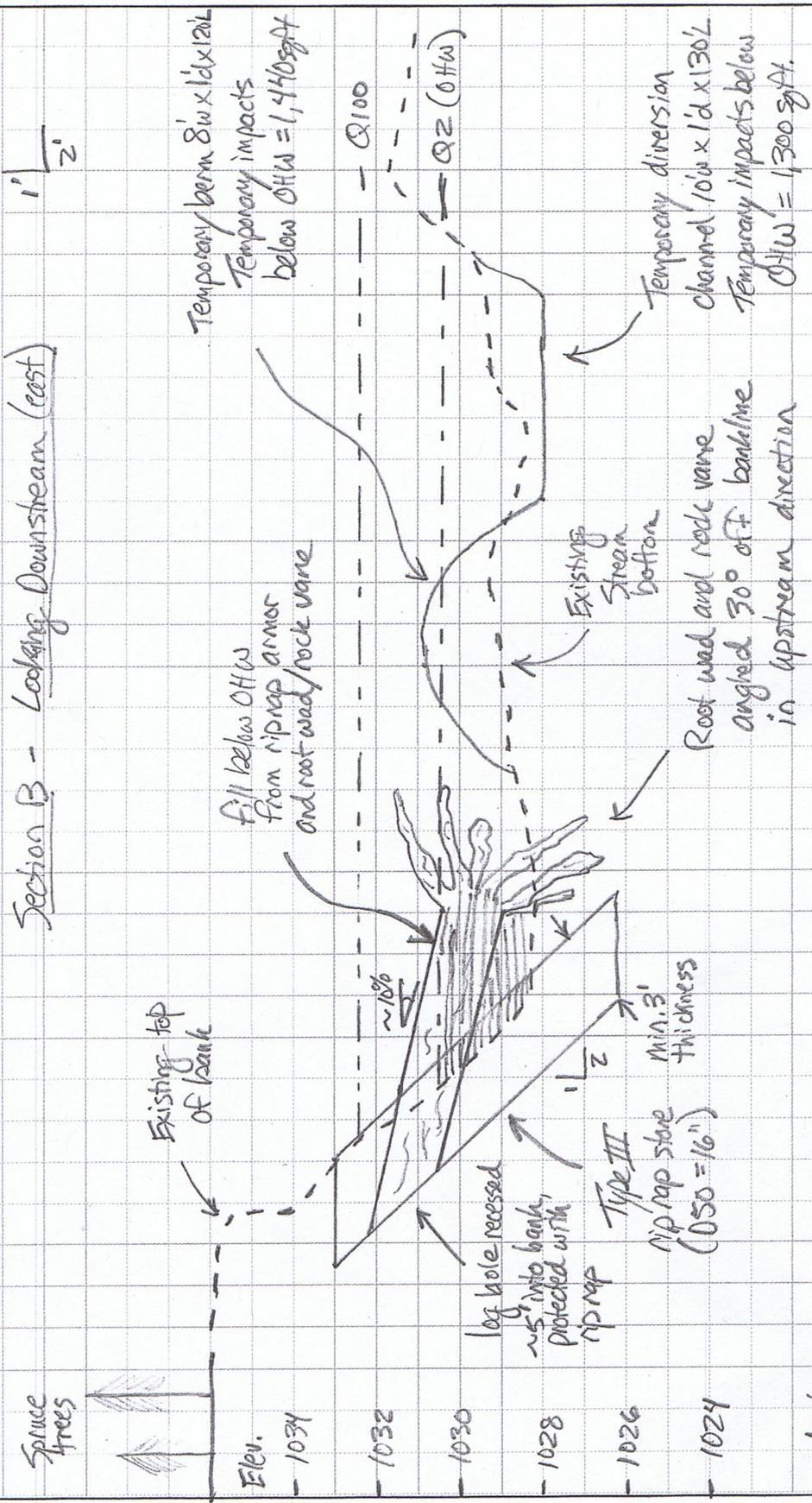


Section A - Looking Downstream (east)

- Notes:
- Survey datum based on approximate nearby USGS contour data
 - Fill below OtW ~ 0.2 CY per linear foot.
 - Length of proposed armor slope is 130 ft.

Job: Smith Property, Reading, VT
 Sheet No. 3 of 3
 Date: 6/3/15
 Vertical Scale: 1" = 4'
 Drawn by: EPE
 Horizontal Scale: 1" = 8'

Section B - Looking Downstream (east)



Notes:
 - Survey datum based on approximate nearby USGS contour.
 - Fill below OTHW assumed to be 0.15 Cy per linear foot, including root wad and rip rap armor.