Town of Norwich, Vermont

CHARTERED 1761

Neil R. Fulton
Town Manager

January 14, 2016

Ms. Mary Andes
Special Project Analyst
Division of Emergency Management and Homeland Security
Department of Public Safety
45 State Drive
Waterbury, VT 05671-1300

Re: Alternate Project: Restoration of the Norwich Pool Dam Area - $13,670

Dear Ms. Andes:

The Town of Norwich Selectboard, after denial of a permit to restore the damaged Pool Dam received on October 20, 2015, has decided to pursue three Alternate Projects for use of the FEMA funds. The Selectboard has carefully reviewed the attached request for an Alternate Project and on January 13, 2015 unanimously voted to support the submission of a request that the project be funded as an Alternate Project.

If you have questions or need additional information please contact Town Manager Neil Fulton.

Sincerely,

Linda Cook, Chair
Norwich Selectboard

/ndk

Request for Alternate Project
Town of Norwich

FEMA Declaration PA01VT4022	PW 02334(0)	Date January 14, 2016
FIPS 027-52900-00	Category G Recreational or Other	
Applicant Town of Norwich	County Windsor	Damaged Facility Recreation Pool Dam

Alternate Project: Restoration of the Norwich Pool Dam Area
Location 335 Beaver Meadow Road
N 43° 43.533; W 072° 19.289
Estimated cost of this project is; $13,670

The Town of Norwich (Town) has determined that the public interest would not be best served by restoring the Norwich Pool Dam because restoring the damaged facility would require a permit from the Agency of Natural Resources (ANR) and after unexpected delays from the ANR the needed permit was denied on October 20, 2015.

This project is to meet the requirements in DAP9S2S.13 that ". . . the original damaged facility does not create an imminent and substantial endangerment to human health or the environment like causing the release of hazardous pollutants or becoming a hazard to human health, safety and welfare in a future flooding event."

Proposed Project
A request for proposals is attached that details the scope of the proposed project. As recommended by the ANR River Management Engineer ". . . to remove an imminent public safety hazard and improve flood storage upstream of the village of Norwich." and the recommendations of the Senior Loss Control Consultant with the Vermont League of Cities and Towns to make the site safe and secure the following is proposed.

- Remove rubble (pieces of concrete) and debris that is in the brook.
- Demolish existing concrete pool dam.
- Remove hand-laid stone dam that is diverting the stream to the left side.
- Stabilize and armor the right bank, descending to a height of 4' with stone from the hand-laid stone dam.
- Finish stabilizing the bank with the material from the far side and slope the bank. This will utilize the old-growth maple and root system it provides for future bank stabilization, eliminating the disturbance of any archeological artifacts. Seed and mulch.
- Take remaining fill from the far side of the brook to create a level recreation area leading to the Ballard Trail.
- Place a few large rocks in various places within the stream to create natural swirl-pools for fish and other aquatic life.
- Seed and mulch all disturbed areas.
- Demolish the existing bath house and lifeguard building.
- Reestablish the gravel path from the parking lot to the woods.
- Remove non-compliant swing set and sand box play area.

- Demolition materials to be removed offsite to approved landfill.

A request for bids for the project was issued and bids were received on January 6, 2016. The following is a summary of the bids received.

Pool Dam Cleanup	
Bidder	**Proposal**
Webster & Donovan	13,670
Thomson Excavation	44,960
L&M	56,000
Hook Construction	77,250

The low bid from Webster & Donovan was determined to be compliant with the bid specifications and they will be awarded the contract if the Alternate Project is approved.

The estimated start date for the project is June 1, 2016 and completion date is October 1, 2016.

There was no property insurance covering the damage to the dam.

Approvals

- A stream alteration permit has been obtained from the VT Agency of Natural Resources for this project: Project Number: SA-05-043-2015 Norwich Pool Dam Removal.
- The Project Delivery Bureau, Environmental Section of the VT Agency of Transportation has confirmed that no other clearances or permits are needed from the State of Vermont for the project.

EHP compliance:

- We believe the project to be EHP compliant. The project does not involve any construction work or disturbance outside of the site other than what has been approved in the Vermont Stream Alteration Permit issued on December 23, 2015 (See SA-05-043-2015 attached). No additional permits are required. We have filed a Historic Preservation Project Review Cover Form with the Division for Historic Preservation and based on our discussions with them understand that the project will be approved.

Attachments

A. Alternate and Improved Project Request Checklist
B. Special Consideration Questions
C. Vicinity Map
D. Existing Condition Survey
E. Stream Alteration Permit SA-05-043-2015 which shows existing and proposed conditions
F. VLCT Recommendations
G. Request for Bids (RFB) for the proposed project.
H. Bid from low bidder
I. Color pictures of the site
J. VT DHP Email

The Town confirms by signature below that: 1) approval is based on the information provided with this request; 2) any changed conditions are to be immediately brought to the attention of the Public Assistance Officer; and, 3) approved alternate projects remain subject to all previous requirements for accountability, completion, and closure.

Neil R. Fulton, Authorize Representative
Town Manager

Alternate & Improved Project Request Checklist
DR 4022 VT

(Items in the package should follow the order of the checklist)

Project type: **0 Alternate Project** 0 Improved Project Disaster Number: PA01VT4022

PROJECT CONSTRUCTION DATA:

Applicant Name: **Town of Norwich**

Proposed Project Address: **335 Beaver Meadow Road**

Proposed Project Latitude/Longitude: **N 43° 43.533; W 072° 19.289**
0 List Referenced Project Worksheets and Attach Copies: 02334(0)

0 Vicinity map showing proposed location, disturbed areas, waterways, and wetlands.

See Attachment D (Existing Site Survey)

0 Map showing existing footprint and proposed footprint.

See Attachment E (Site Photos and Site Sketches)

0 Special Considerations 9-Question Form as it pertains to the proposed project.

See Attachment B

0 New Scope of Work for the proposed project.

See Attachment G (RFB)

0 Anticipated start date and completion date of proposed project (regulatory timeframes apply).

Estimated start date: After June 1, 2016 Completion date: is Before October 1, 2016.

0 Estimated cost to complete the proposed project along with any specifications, contracts, etc.

$13,670 See Attachment H (Low Bid)

0 Disposition of original facility (if applicable).

0 Explanation of general disturbing activities (digging, structure removal, site work, access roads, etc.)

See Attachment F (Stream Alteration Permit)

SUPPORTING DOCUMENTATION: (if required)

0 Copy of requesting documentation from the applicant.

0 Copies of all available Federal and State environmental and regulatory permits and approvals and any other relevant documentation (i.e. environmental site assessments, surveys, or reports). **See Attachment F (Stream Alteration Permit)**

0 Copies of documentation or correspondence with the State Historical Preservation Office.

See Attachment "J"

Special Consideration Questions

0 Copies of insurance settlements, statement of loss, insurance adjuster estimate of losses, etc. **N/A**

0 Alternate Projects Only: Identification of the source of funding when the cost estimate for the alternate project is greater than the eligible alternate project funding. **Town Funds**

Norwich Pool Dam Site
Special Consideration Questions

1. Does the damaged facility or item of work have insurance coverage and/or is it an insurable risk (e.g., buildings, equipment, vehicles, etc.)?

Yes **No** Unsure Comments:

2. Is the damaged facility located within a floodplain or coastal high hazard area and/or does it have an impact on a floodplain or wetland?

Yes No Unsure Comments:
See VT Stream Alteration Permit #SA-05-043-2015

3. Is the damaged facility or item of work located within or adjacent to a Coastal Barrier Resource System Unit or an Otherwise Protected Area?

Yes **No** Unsure Comments:

4. Will the proposed facility repairs/reconstruction change the pre-disaster conditions (e.g., footprint, material, location, capacity, use, or function)?

Yes No Unsure Comments:
See VT Stream Alteration Permit #SA-05-043-2015

5. Does the applicant have a hazard mitigation proposal or would the applicant like technical assistance for a hazard mitigation proposal?

Yes **No** Unsure Comments:

6. Is the damaged facility on the National Register of Historic Places or the state historic listing? Is it older than 50 years? Are there more, similar buildings near the site?

Yes No Unsure Comments: 1944 dam destroyed in TS Irene.

7. Are there any pristine or undisturbed areas on, or near, the project site? Are there large tracts of forestland?

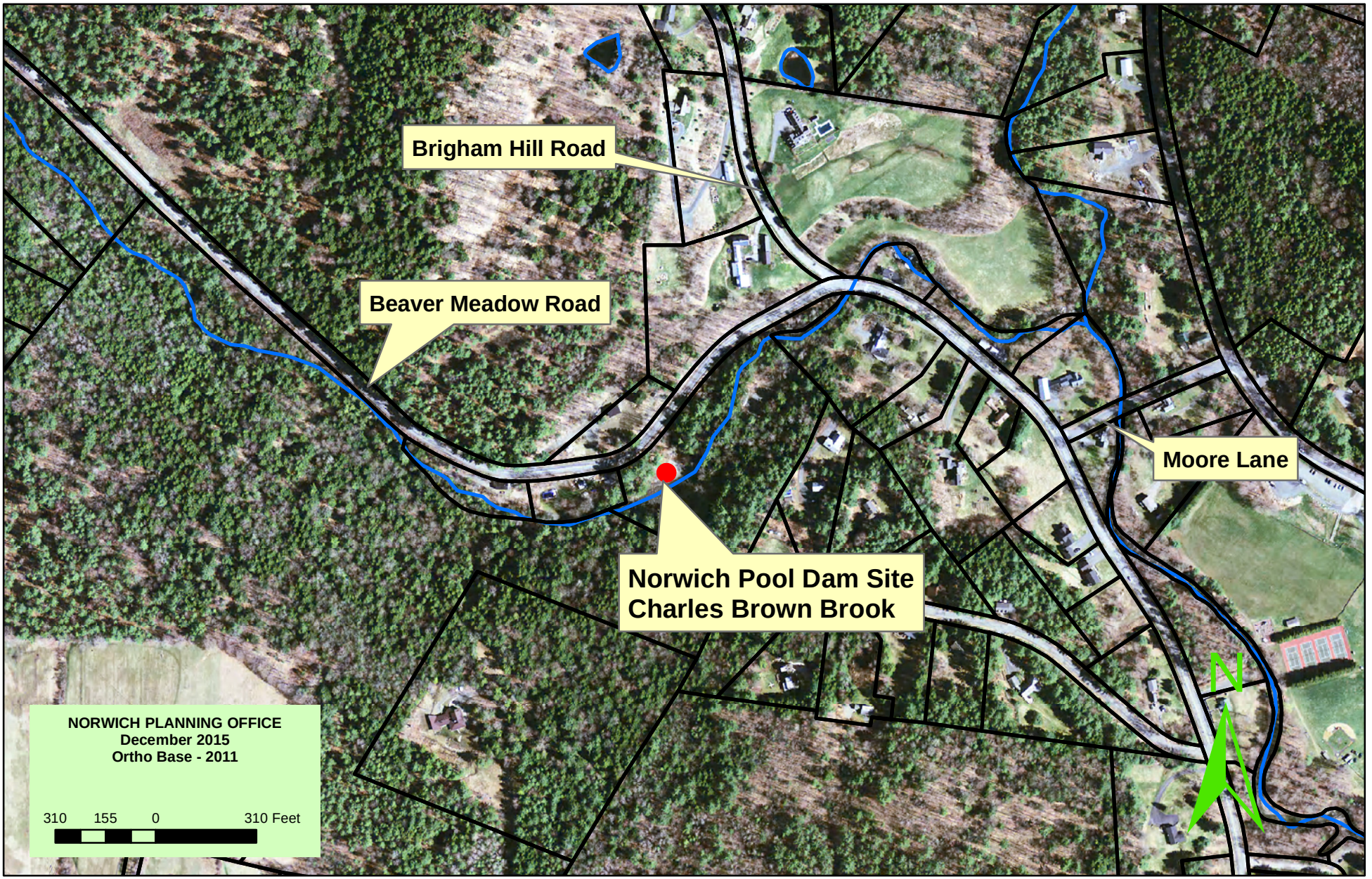
Yes **No** Unsure Comments:

8. Are there any hazardous materials at or adjacent to the damaged facility and/or item of work?

Yes **No** Unsure Comments:

9. Are there any other environmental or controversial issues associated with the damaged facility and/or item of work?

Yes **No** Unsure Comments:



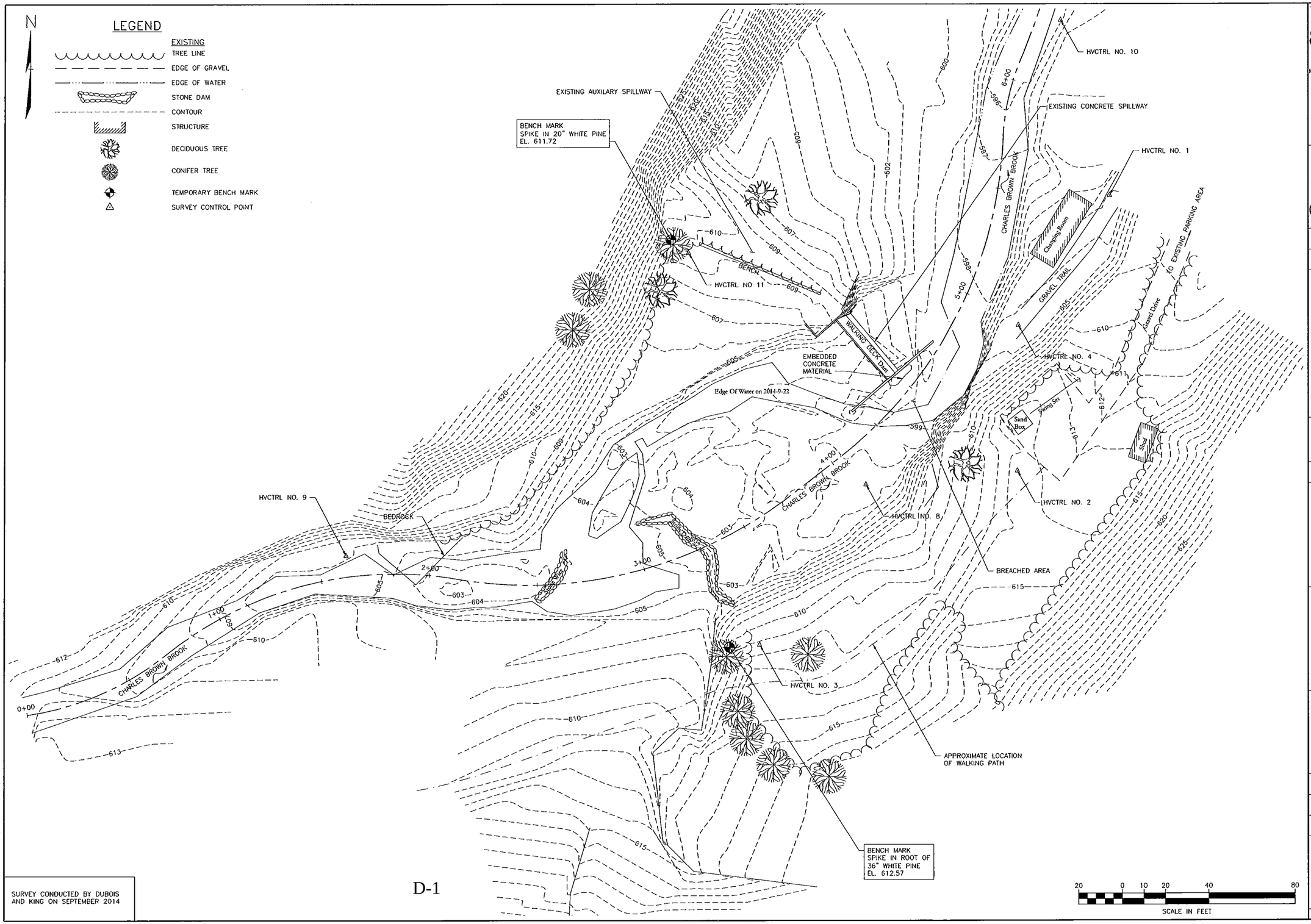
Date Printed: 12/22/2015

N

LEGEND

EXISTING

- TREE LINE
- EDGE OF GRAVEL
- EDGE OF WATER
- STONE DAM
- CONTOUR
- STRUCTURE
- DECIDUOUS TREE
- CONIFER TREE
- TEMPORARY BENCH MARK
- SURVEY CONTROL POINT



SURVEY CONDUCTED BY DUBOIS AND KING ON SEPTEMBER 2014

D-1

DuBois & King inc.
ENGINEERING • PLANNING • MANAGEMENT • DEVELOPMENT
28 NORTH MAIN ST.
RANDOLPH, VT 05060
TEL: (802) 728-3376
FAX: (802) 783-7101
www.dubois-king.com
SO. BURLINGTON, VT
SPRINGFIELD, VT
BEDFORD, NH
LACONIA, NH

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PROFESSIONAL SEAL

NOT FOR CONSTRUCTION PERMIT PLANS (60% COMPLETE)

NO.	DATE	DESCRIPTION	BY	CK'D

TOWN OF NORWICH
VERMONT
300 MAIN STREET
PO BOX 376
NORWICH VT 05055

NORWICH POOL DAM REHABILITATION PROJECT

NORWICH VERMONT

SHEET TITLE

EXISTING CONDITIONS / BASELINE LAYOUT

DRAWN BY	DATE
EBS	AUG. 2015
CHECKED BY	D&K PROJECT #
CSE	921651
PROJ. ENG.	D&K ARCHIVE #
CSE	

SHEET NUMBER

2

SHEET 2 OF 14

I:\921651 Norwich Pool Dam\dwg\921651-SV03.dwg 8/17/2015 4:00 PM

VERMONT

Vermont Department of Environmental Conservation *Agency of Natural Resources*
Watershed Management Division
Springfield Regional Office
100 Mineral Street, Suite 303
Springfield, VT 05156
www.watershedmanagement.vt.gov

[phone] 802-885-8855
[fax] 802-885-8890
[cell] 802-345-3510

AUTHORIZATION TO CONDUCT STREAM ALTERATION ACTIVITIES

Pursuant to Section C.2.2.6 of the VT Stream Alteration General Permit (activities to restore floodplain connectivity)

Project Number: **SA-05-043-2015 Norwich Pool Dam Removal** FEMA # PA-01-VT-4022-PW-02334
Applicant Name: Selectboard, Town of Norwich, Vermont Contact: Neil Fulton or Andy Hodgdon
Mailing Address: Town of Norwich, PO Box 376, Norwich, Vermont 05055 Phone: (802) 649-1419 or (802) 649-2209
Project Location: Dam Removal/Stream Remediation Charles Brown Brook Email: manager@norwich.vt.us or ahodgdon@norwich.vt.us

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

1. This project authorizes the removal of a dam damaged by T.S. Irene and the stream remediation of Charles Brown Brook to remove an imminent public safety hazard and improve flood storage upstream of the village of Norwich.
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 attached plans undated, prepared by the town of Norwich as reviewed and approved by the VT ANR 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 June 1st through October 1st; 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 23rd day of December, 2015
Alyssa B. Schuren, Commissioner
Department of Environmental Conservation

This permit expires October 1, 2016.

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

Norwich Pool Dam Area
Restoration Project

Phase I: Secure the area

- Meet with Wade Masure, Senior Loss Control Consultant for the Vermont League of Cities and Towns, to determine what needs to be done to make the area safe and secure.

Phase II: Debris Removal

- Remove rubble (pieces of concrete) and debris that is in the brook.

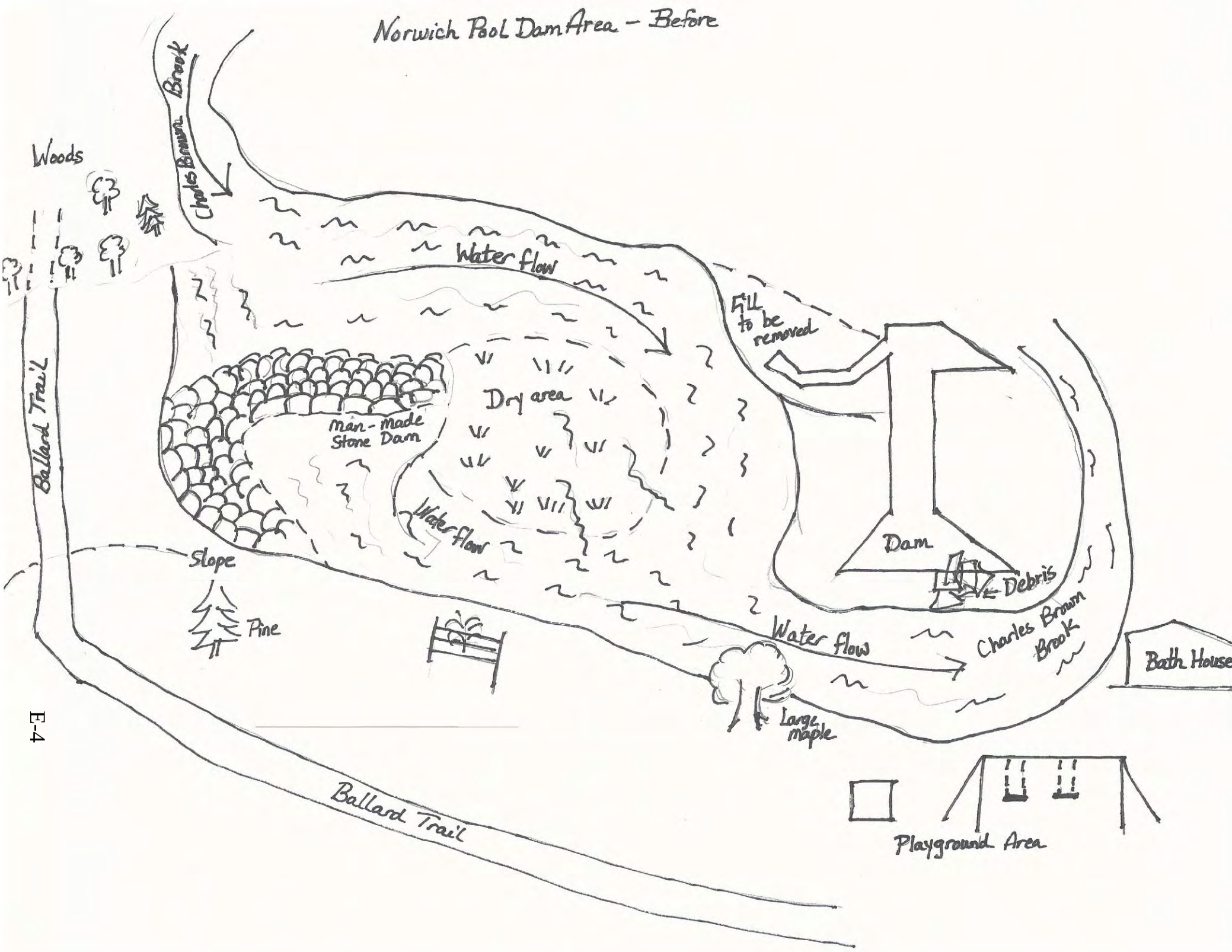
Phase III: Complete the restoration of the area

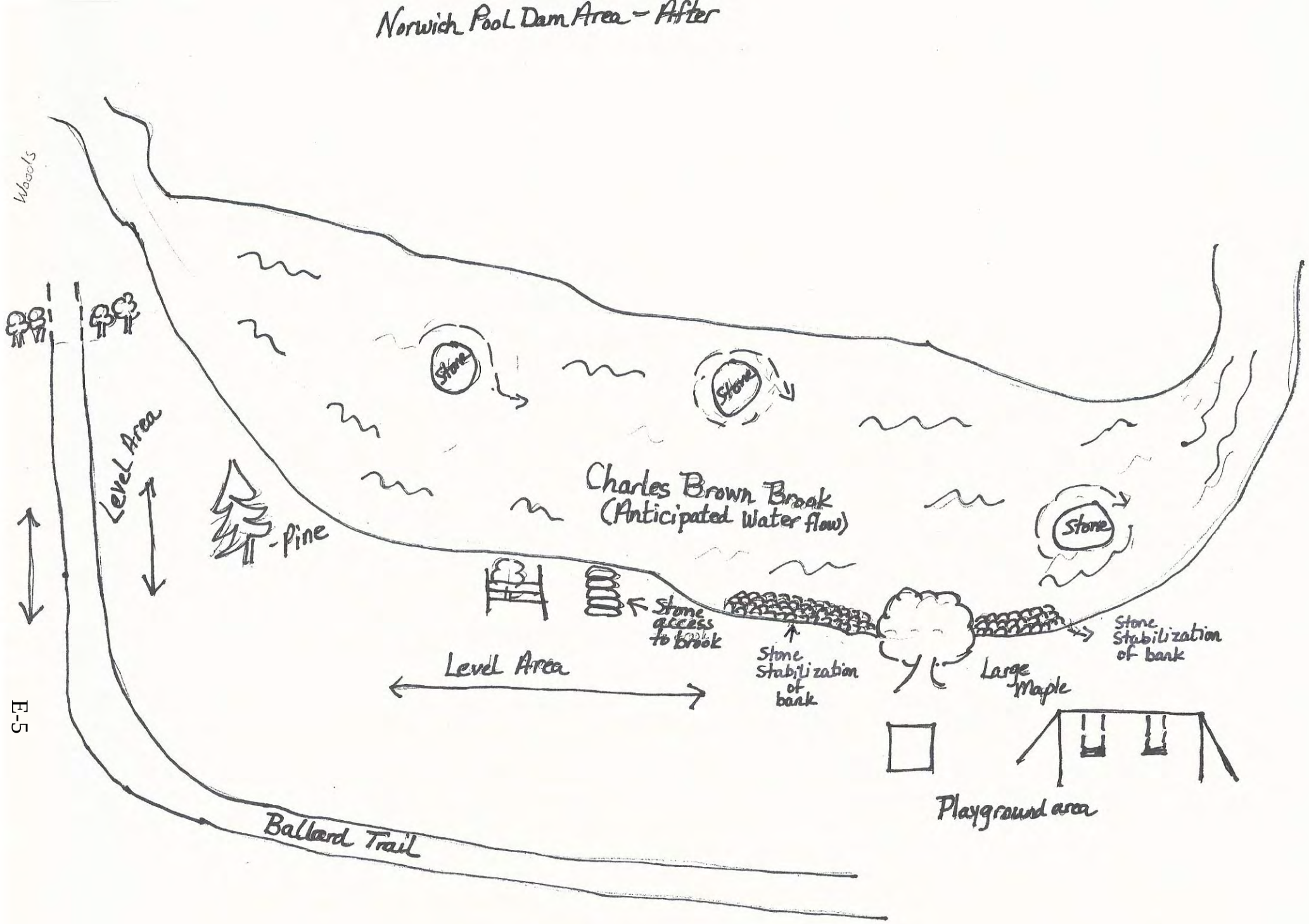
- Demolish the existing concrete pool dam.
- Remove hand-laid stone dam that is diverting the stream to the left side.
- Stabilize and armor the right bank, descending to a height of 4' with stone from the hand-laid stone dam.
- Finish stabilizing the bank with the material from the far side and slope the bank. This will utilize the old-growth maple and root system it provides for future bank stabilization, eliminating the disturbance of any archeological artifacts. Seed and mulch.
- Take remaining fill from the far side of the brook to create a level recreation area leading to the Ballard Trail.
- Place some of the larger stones from the hand-laid dam to make a set of natural stone steps from the Ballard Trail to the brook where people may want to access the brook for recreational purposes.
- Place a few large rocks in various places within the stream to create natural swirl-pools for fish and other aquatic life.
- Seed and mulch all disturbed areas.

Other considerations:

- Demolish the existing bath house which has partially caved in.
- Reestablish the gravel path from the parking lot to the woods.

December 22, 2015


Norwich Pool Dam Area – Before
Woods
Charles Brown Brook
Water flow
Fill to be removed
Ballard Trail
Dry area
Man-made Stone Dam
Water flow
Dam
Debris
Slope
Pine
Water flow
Charles Brown Brook
Bath House
Large maple
Ballard Trail
Playground Area


Norwich Pool Dam Area - After
Woods
Level Area
Pine
Stone
Stone
Stone
Charles Brown Brook
(Anticipated Water flow)
Stone access to brook
Stone Stabilization of bank
Level Area
Large Maple
Stone Stabilization of bank
Playground area
Ballard Trail

VERMONT LEAGUE OF CITIES & TOWNS

Serving and Strengthening Vermont Local Governments

January 6, 2016

Andy Hodgdon, Public Works Director
Town of Norwich
PO Box 376
Norwich, VT 05055

RE: Visit of 12/23/15

Andy:

This letter confirms my visit on December 23, 2015, the purpose of my visit was to complete a hazard identification survey of the Norwich Pool Dam Area located at Ballard Trail with a focus on the existing hazards in and around the area of the dam.

I have included an action plan with recommendations for this location. Recommendations are marked A-C, with "A" level items being recommendations that should receive the highest priority. I would appreciate an update from the town when the items are completed or at least a follow up to indicate the timeframe and plans for addressing the listed items.

Thank you for your time during my visit and feel free to contact me if I can be of any further assistance to you or the Town of Norwich. I can be reached at 802-376-4702.

Sincerely,

Wade B. Masure

Wade B. Masure
Senior Loss Control Consultant
wmasure@vlct.org

CC: Neil Fulton

Sponsor of:

VLCT Employment Resource and Benefits Trust, Inc.

VLCT Municipal Assistance Center

VLCT Property and Casualty Intermunicipal Fund, Inc.

89 Main Street, Suite 4, Montpelier, VT 05602 | Tel: 802-229-9111 | Fax: 802-229-2211 | Email: info@vlct.org | Web: www.vlct.org

ACTION PLAN

Member: Town of Norwich

Loss Control Consultant: Wade Masure

Contact Person: Andy Hodgdon

Survey Date: 12/23/15

The findings listed below were noted during our recent visit**.** These hazards are ranked A-C, with "A" level hazards having the highest loss probability and/or severity potential. Our intent is to help you control losses by pointing these hazards out to you. While it is beneficial to address all listed items, those that are ranked A or B should receive the highest priority. Feel free to contact us if there are any questions or more information is needed. It would be appreciated if this form (or other correspondence) could be provided to us (within 30 days) to indicate your plans for addressing the listed items.

Item Number	***Hazard Description / Recommendation***	***Completion Date and/or Comments***
Norwich Pool Dam Area/ Ballard Trail		
B-12-15-01	**Hazard:** The damaged concrete walkway has no guarding or other safety rails in place. **Recommendation:** Remove this walkway from use to eliminate the potential for un wanted use by the public.	
B-12-15-02	**Hazard:** Along the trail system there is a tot swing and sand play box which does not comply with current regulations and best practices. **Recommendation:** Remove these two items from use and properly discard.	
C-12-15-03	**Hazard:** Along the top of the east side of the dam/brook there is a vertical drop off. **Recommendation:** Along the top of this vertical space a natural type barrier should be installed or slope this area to remove or reduce this vertical drop.	
C-12-15-04	**Hazard:** There are pieces of the old concrete dam laying in and around this site **Recommendation:** Remove these concrete pieces from this area.	
C-12-15-05	**Hazard:** The lifeguard shack and old bathhouse are in poor condition and are not secured. **Recommendation:** Completely remove these two structures due to their condition or at a minimum secure all openings as needed**.**	
C-12-15-06	**Hazard:** Access to the existing brook at this location. **Recommendation:** Locations at this site that may lead to the brook should be of the natural landscape type, no steps, stairs or similar means of access.	

Our survey of your operation is to assist you in your loss control efforts. We do not assume responsibility for the discovery or elimination of all hazards which could possibly cause accidents or losses. Recommendations are developed from the conditions observed at the time of the survey and may not include every possible cause of loss. Compliance with these recommendations does not guarantee the fulfillment of your obligation under local, state, or federal laws or regulations.

Item Number	Hazard Description / Recommendation	Completion Date and/or Comments
C-12-15-07	**Hazard:** Minimal signage exists at this location for users of the Ballard Trail natural areas. **Recommendation:** A sign should be posted at the main entrance providing the general rules for the use of the park and trail system, including a contact number for the public to call with any safety concerns.	

Our survey of your operation is to assist you in your loss control efforts. We do not assume responsibility for the discovery or elimination of all hazards which could possibly cause accidents or losses. Recommendations are developed from the conditions observed at the time of the survey and may not include every possible cause of loss. Compliance with these recommendations does not guarantee the fulfillment of your obligation under local, state, or federal law

TOWN OF NORWICH
DEPARTMENT OF PUBLIC WORKS
26 New Boston Road
Norwich, VT 05055
802-649-2209 Fax: 802-296-0060
Ahodgdon@norwich.vt.us

Request for Bids
Town of Norwich
Restoration of the Norwich Pool Dam Area on Charles Brown Brook

1. PURPOSE

1.1 The Town of Norwich is seeking bids for the cleanup and restoration of the Norwich Pool Dam Area on the Charles Brown Brook.
1.2 Location: N 43° 43.533; W 072° 19,289; West to 002

2. SCOPE OF WORK

2.1 Remove rubble (pieces of concrete) and debris that is in the brook.
2.2 Demolish existing concrete pool dam.
2.3 Remove hand-laid stone dam that is diverting the stream to the left side.
2.4 Stabilize and armor the right bank, descending to a height of 4' with stone from the hand-laid stone dam.
2.5 Finish stabilizing the bank with the material from the far side and slope the bank. This will utilize the old-growth maple and root system it provides for future bank stabilization, eliminating the disturbance of any archeological artifacts. Seed and mulch.
2.6 Take remaining fill from the far side of the brook to create a level recreation area leading to the Ballard Trail.
2.7 Place a few large rocks in various places within the stream to create natural swirl-pools for fish and other aquatic life.
2.8 Seed and mulch all disturbed areas.
2.9 Demolish the existing bath house and lifeguard building.
2.10 Reestablish the gravel path from the parking lot to the woods.
2.11 Remove non-compliant swing set and sand box play area.

3. QUANTITIES

3.1

Item #	Description	Quantity	Unit
201.11	Clearing and grubbing	1.0	Acre
203.15	Common excavation	500	Cy
402.1	Aggregate pathway	12	Cy
529.15	Removal of existing structures	2	Unit
615.16	Natural stone fill	50	Cy

635.11	Mobilization	1	Unit
649.31	Geotextile under stone fill	100	Sy
649.51	Geotextile for silt fence	100	Sy
651.15	Seed	100	Lb.
651.18	Fertilizer	200	Lb.
651.35	Topsoil	50	Cy
651.35	Hay mulch	250	Sy

3.2 Notes

3.2.1 The quantities above were developed as a base for cost of the project and may not include all items necessary to complete the work.

3.2.2 These quantities are provided for information only.

3.2.3 This project is to be bid and paid for as a lump sum project

4. OTHER CONDITIONS

4.1 A stream alteration permit has been obtained from the VT Agency of Natural Resources for this project: Project Number: SA-05-043-2015 Norwich Pool Dam Removal.

4.2 The Project Delivery Bureau, Environmental Section of the VT Agency of Transportation has confirmed that no clearances or permits are needed from the State of Vermont for the project.

4.3 Alternate Project for FEMA #PA-01-VT-4022-PW-02334

5. INDEMNIFICATION AND INSURANCE

5.1 The chosen contractor shall comply with the following requirements

5.1.1 The contractor agrees to defend and save harmless the Town of Norwich, its officers, agents and employees against all claims, demands, payments, suits, actions, recovery, and judgments of every kind and description arising out of the performance of the Agreement, including a personal injury or property damage brought or recovered against it by reason of any negligent action or omission of the consultant, its agents, or employees and with respect to the degree to which the Town is free from negligence on the part of itself, its employees and agents.

5.1.2 The contractor shall carry Comprehensive Broad Form General Liability Insurance in the amount shown below including protection for bodily injury and property damage.

5.1.3 The contractor shall also maintain Automobile Liability Insurance providing limits prescribed by the Town and Umbrella or Excess Liability Insurance in the amount shown below. The Workers' Compensation Insurance shall provide coverage pursuant to V. S. A. Title 21, Section 600 et seq.

5.1.4 Prior to the commencement of the work, Certificates of Insurance shall be supplied to the Town by the contractor detailing the required coverage. These

Certificates shall be issued by a carrier authorized to do business within the State of Vermont. The Town shall also be named as an additional insured.

5.1.5 The contractor shall have and require all sub-consultants to have and maintain insurance coverage and list the Town as an additional insured in accordance with the minimum amounts listed below. Prior to the start of any work, the Town shall be furnished with an insurance certificate as proof that coverage is in place

General Liability-$1,000,000 per occurrence
Product Liability-$1,000,000 per occurrence
Property Damage-$1,000,000 per occurrence
Personal Injury- $1,000,000 per occurrence
Automotive Liability-$500,000 per occurrence
Workers' Compensation-Statutory Requirement

6. INSTRUCTIONS TO BIDDER

6.1 Proposals shall be typewritten or written in ink. Officials of corporations shall designate their official title; partners or sole owners shall so state giving the names of all interested parties. The person signing the bid shall initial all corrections or erasures.

6.2 Requested descriptive material shall be submitted with the bid.

6.3 In submitting the bids the contractor agrees that acceptance of any bid by the Town of Norwich within 90 calendar days constitute a contract. No work shall be started until a purchase order has been approved by the Town Manager and a Notice to Proceed in writing from the Director of Public Works.

6.4 Discounts for immediate payment or credit terms where offered will not be a factor in the determination of the lowest responsible bidder. Payment terms by the Town will be cash, less any applicable discounts, to be paid within 30 days of the completion of the work by the contractor and formal acceptance by the Town.

6.5 The successful bidder shall indemnify and hold harmless the Town of Norwich against all claims for royalties, for patents, or suit for infringement thereon which may be involved in the manufacture or use of the material to be furnished.

6.6 All materials shall remain the property of the contractor until delivered to and accepted by the Town.

6.7 Deviations from these specifications are permitted only as separate bids provided they are submitted as alternate proposals accompanying a conforming bid.

6.8 Selection criteria: This bid shall be awarded to the contractor whose bid represents the best value to the Town of Norwich.

6.9 All traffic control and signage will be the responsibility of the successful bidder. All traffic control and signage shall be in compliance with the Manual of Uniform Traffic Control, 2009 Edition.

6.10 All bids shall include the following:

6.10.1 Project cost

6.10.2 Project schedule

6.11 The Town of Norwich reserves the right to accept and reject any and all bids for due cause to negotiate with any party, to waive informalities or defects in bids, to

require test proving or to accept such bids or parts thereof as it shall deem in the best interests of the Town.

6.12 Questions relating to these specifications may be directed to R. Andrew Hodgdon, Public Works Director, Town of Norwich, at 802-649-2209.

6.13 Interested firms shall submit an original and 2 copies of their bid in a sealed envelope, marked "Restoration of the Norwich Pool Dam Area" to

Town Manager
Town of Norwich
300 Main Street
P.O. Box 376
Norwich, VT 05055

7. CALENDAR

7.1 Request for Bids posted:

7.2 Proposals due: By noon on Wednesday, January 6, 2016

Andy Hodgdon

From: Menees, Todd <Todd.Menees@vermont.gov>
Sent: Wednesday, December 23, 2015 1:00 PM
To: Andy Hodgdon; Neil Fulton; Roberta Robinson; White, Jasmine
Cc: Kirn, Rich; Mason, Dan; 'Kevin Geiger'; 'Mike Adams'; Kline, Mike; Andes, Mary; Mary Andes; Pentkowski, Ron; 'Ron Rhodes'; David Deen; Phil Dechert
Subject: SA-05-043-2015 Norwich Pool Dam Removal
Attachments: SA-05-043-2015 Norwich Pool Dam Removal.pdf

Andy and Neil –

I have attached authorization for removal of the Norwich Pool Dam and stream remediation of the Charles Brown Brook for floodplain storage improvements in Norwich, VT. I will not be mailing a hard copy unless requested. You should print off a copy for your files and a copy for the selected contractor to keep on-site during implementation.

I have copied Jasmine White who will post the permit on the Agency web site for a 3-day public comment period, after which she will notify you of the permit status. I have also copied other folks who should be aware in the event they receive a complaint. I have also copied Mike Adams in the Army Corps regarding federal jurisdiction.

Mike –

This is the project we reviewed with Neil, Andy and Phil of Norwich and Rich Kirn of VTF&W. You can reach Andy at 802-649-2209 and Neil is on vacation until after the New Year.

Thanks –

Please note that my e:mail address has changed below:

Todd Menees, P.E., P.H., River Management Engineer
Watershed Management Division, Rivers Program
Vermont Department of Environmental Conservation
100 Mineral Street, State Office Suite 303
Springfield, VT 05156
802-345-3510 / todd.menees@vermont.gov
On the Web @ www.watershedmanagement.vermont.gov/rivers.htm

VERMONT

Vermont Department of Environmental Conservation
Watershed Management Division
Springfield Regional Office
100 Mineral Street, Suite 303
Springfield, VT 05156
www.watershedmanagement.vt.gov

Agency of Natural Resources

[phone] 802-885-8855
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[cell] 802-345-3510

AUTHORIZATION TO CONDUCT STREAM ALTERATION ACTIVITIES

Pursuant to Section C.2.2.6 of the VT Stream Alteration General Permit (activities to restore floodplain connectivity)

Project Number: **SA-05-043-2015 Norwich Pool Dam Removal** FEMA # PA-01-VT-4022-PW-02334
Applicant Name: Selectboard, Town of Norwich, Vermont Contact: Neil Fulton or Andy Hodgdon
Mailing Address: Town of Norwich, PO Box 376, Norwich, Vermont 05055 Phone: (802) 649-1419 or (802) 649-2209
Project Location: Dam Removal/Stream Remediation Charles Brown Brook Email: manager@norwich.vt.us or ahodgdon@norwich.vt.us

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

1. This project authorizes the removal of a dam damaged by T.S. Irene and the stream remediation of Charles Brown Brook to remove an imminent public safety hazard and improve flood storage upstream of the village of Norwich.
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 attached plans undated, prepared by the town of Norwich as reviewed and approved by the VT ANR 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 June 1st through October 1st; 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.

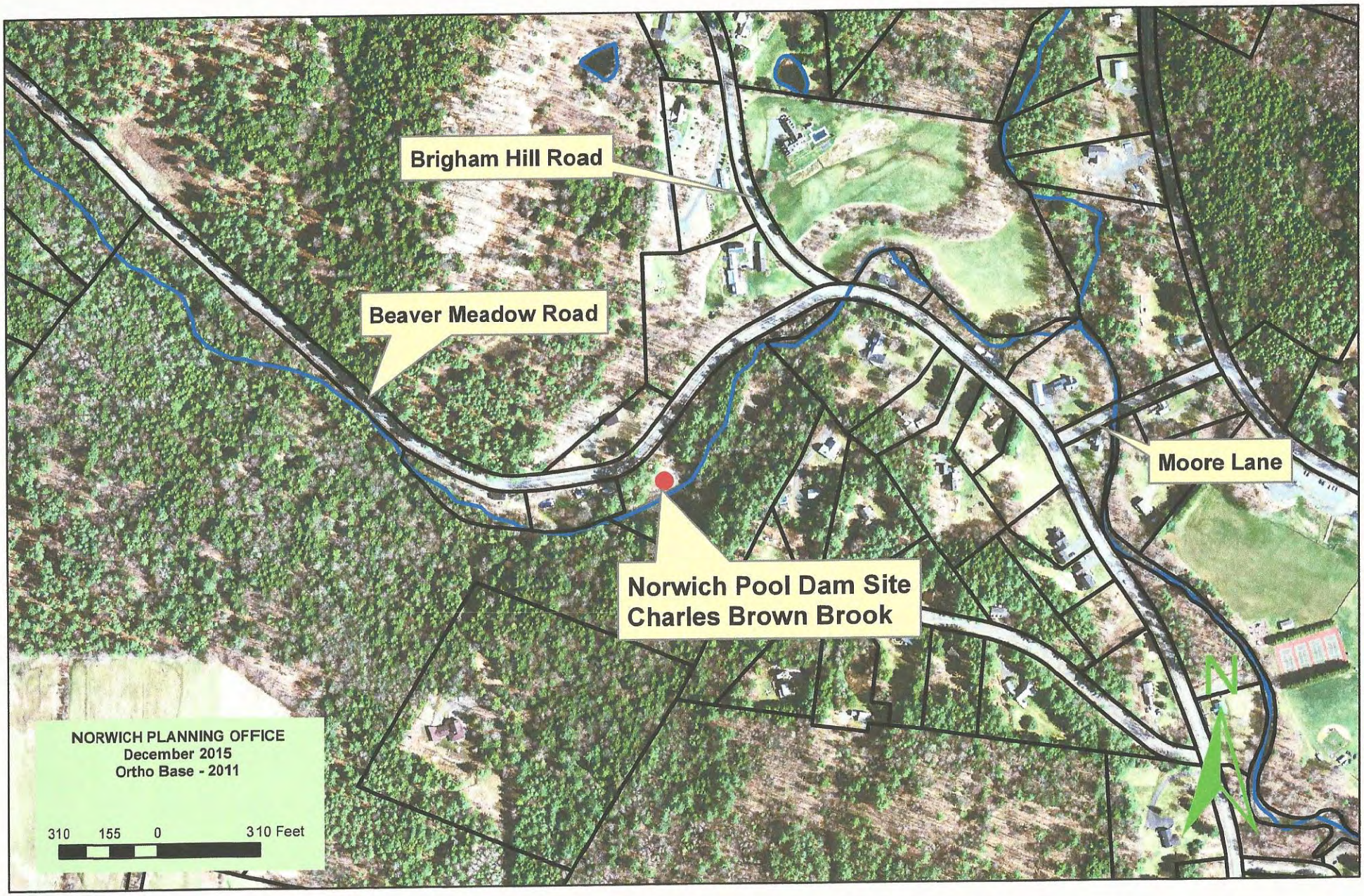
If there are any changes in the project plan or deviation in construction from the plan, the Permittee must notify the River Management Engineer immediately.

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.

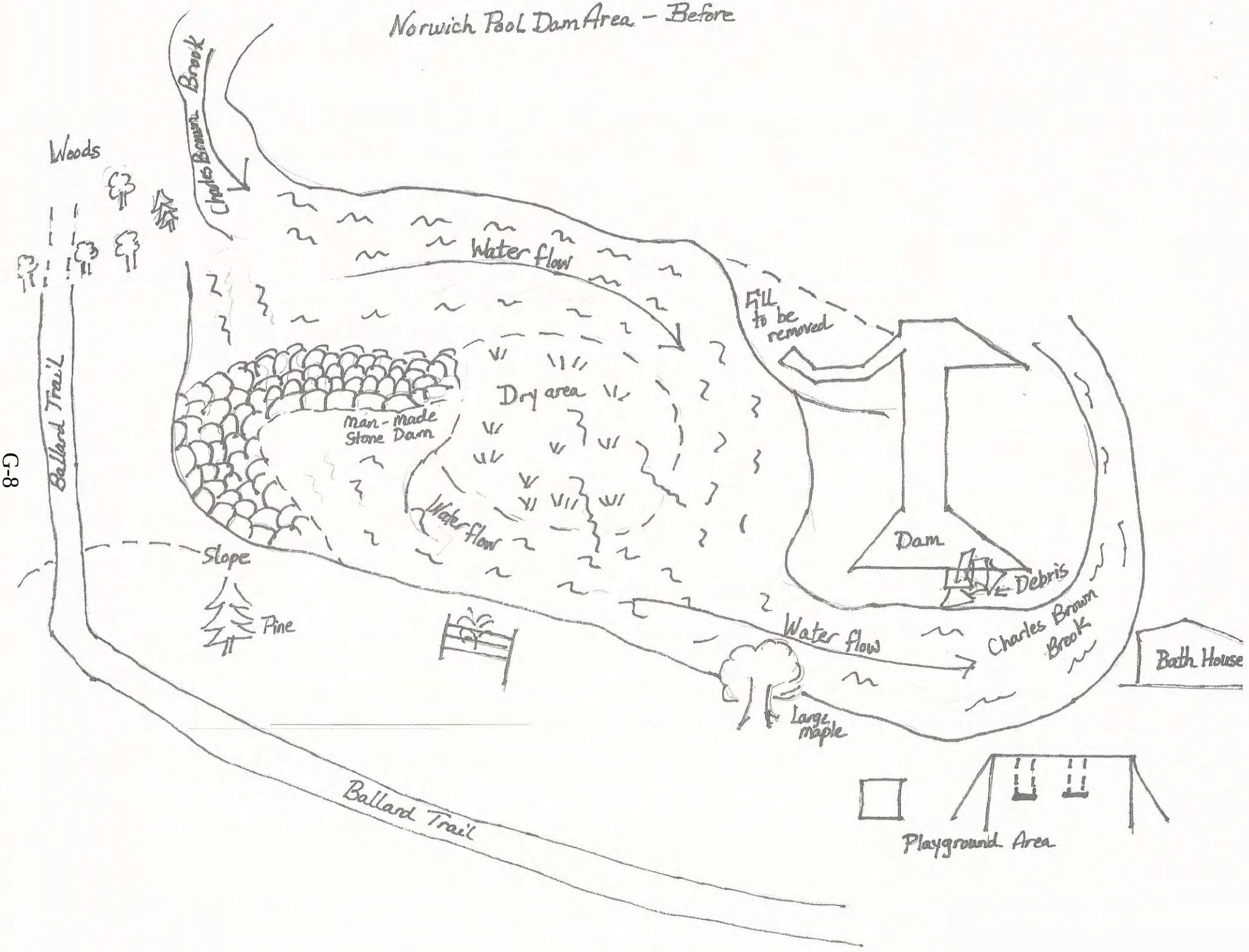
Signed this 23rd day of December, 2015
Alyssa B. Schuren, Commissioner
Department of Environmental Conservation

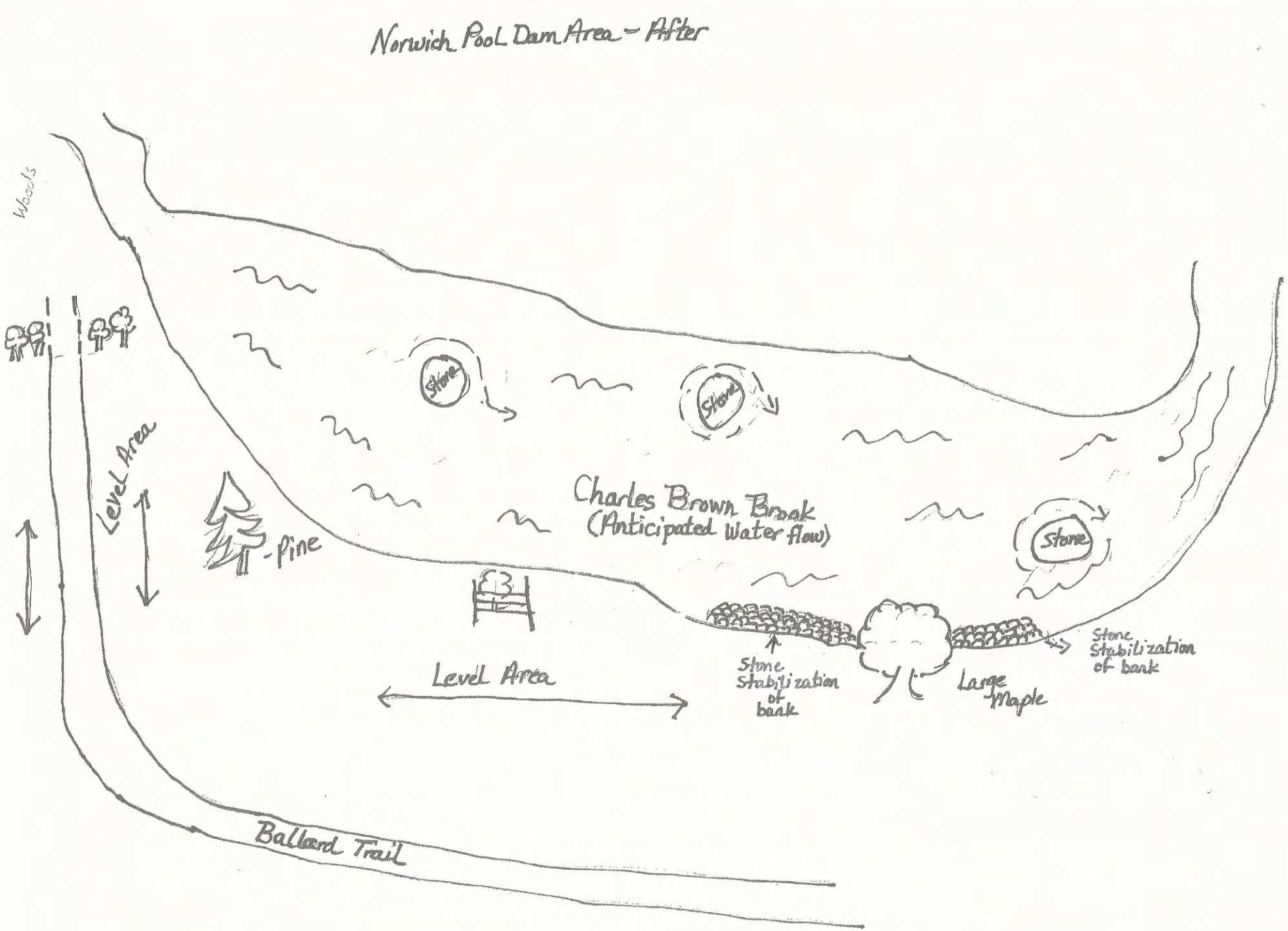
This permit expires October 1, 2016.

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



Date Printed: 12/22/2015


Norwich Pool Dam Area – Before
Charles Brown Brook
Woods
Ballard Trail
Water flow
Fill to be removed
Dry area
Man-made Stone Dam
Water flow
Slope
Pine
Dam
Debris
Water flow
Charles Brown Brook
Bath House
Large maple
Ballard Trail
Playground Area


Norwich Pool Dam Area - After
Woods
Level Area
Pine
Stone
Stone
Charles Brown Brook
(Anticipated Water flow)
Stone
Level Area
Stone Stabilization of bank
Large Maple
Stone Stabilization of bank
Ballard Trail

Webster & Donovan Excavating Inc

37 Goodrich Four Corners Road
Norwich, VT 05055
802-649-8522

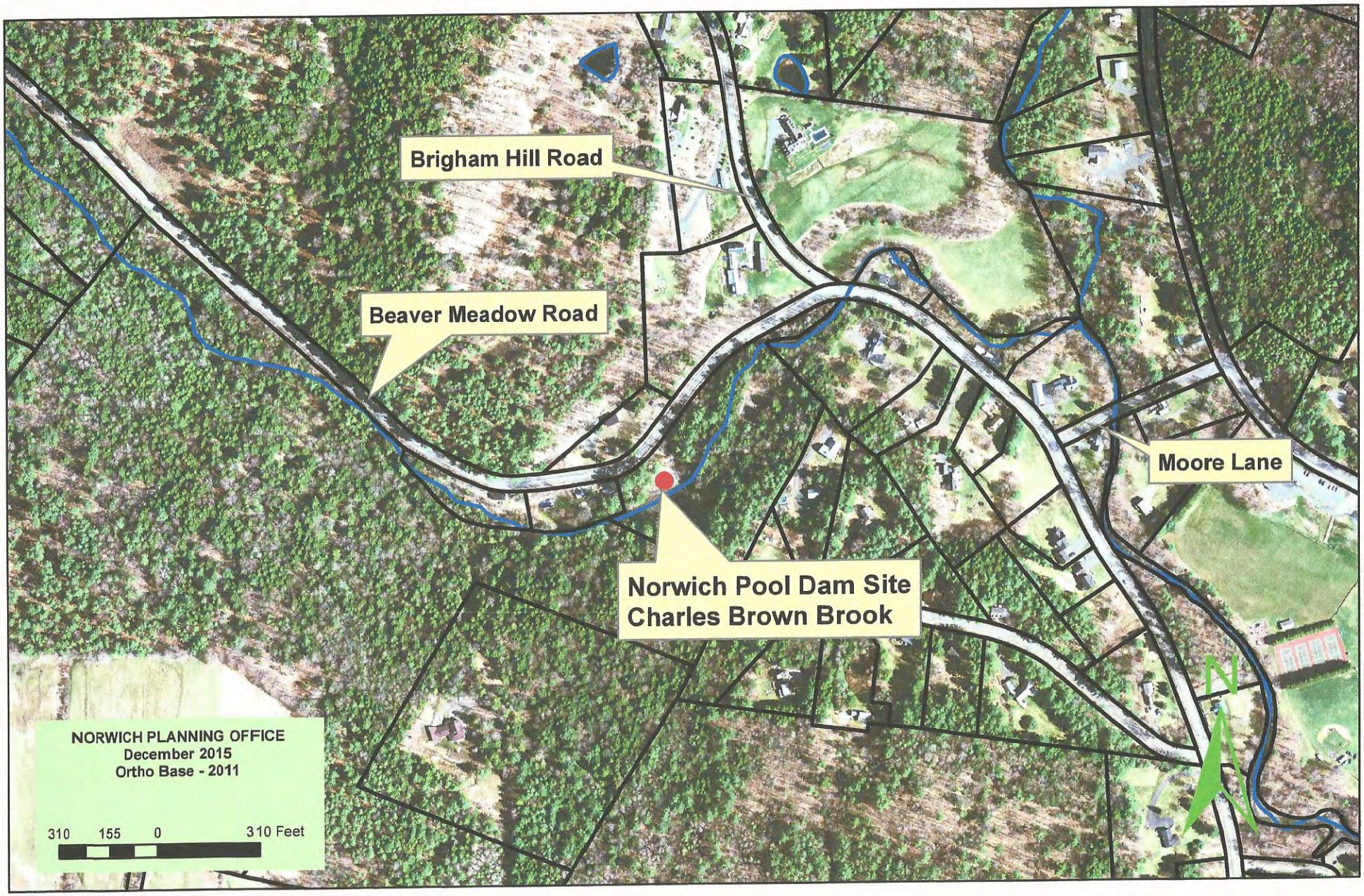
Estimate

Date	Estimate #
12/16/15	489

Name / Address
Town of Norwich PO Box 376 Norwich, VT 05055

Description	Qty	Cost	Total
RESTORATION OF NORWICH POOL DAM AREA			
Remove remaining sections of dam and dam debris and truck away. Move fill and river stone as necessary to stabilize bank and create rec area as planned. Remove existing structures and play set. Seed and mulch all disturbed areas.		12,800.00	12,800.00
grass seed, mulch hay, silt fence and geotextile fabric		870.00	870.00

Total $13,670.00



Date Printed: 12/22/2015

Phil Dechert

From: Duggan, James <James.Duggan@vermont.gov>
Sent: Tuesday, January 12, 2016 4:20 PM
To: Phil Dechert
Cc: ACCD - Project Review
Subject: RE: Norwich HP review for 3 Alternative Projects

Follow Up Flag: Follow up
Flag Status: Flagged

Hi Phil,

Our team had a chance to review the materials and here is the summary at present.

1. We have no concerns with the box culvert project as it will occur in the previously disturbed area and the structure is not considered historic.

2. We have no concerns for the addition at the highway garage - existing developed area and not archaeologically sensitive - also not a historic building

3. We do have some concerns related to the Dam removal and will need a formal submittal of required information to provide comments. (**see below)

    a. There is considerable ground disturbance planned along the streambank and therefore an Archaeological Resource Assessment (ARA) will be needed, at minimum, to identify the potential for archaeological sensitivity. We would anticipate that due to previous ground disturbance an ARA will likely clear the area of potential effect for sensitivity, but we will need the potential for this to be reviewed to ensure additional testing is not required.

    b. The dam itself was potentially historic, but has been compromised so there is a question with its integrity. We do not have issues with the proposed demolition, but the removal and loss of the dam could be considered a direct, adverse effect. Due to the compromised integrity, we suggest that if a few photographs of existing conditions and a few photographs showing the dam prior to TS Irene are included in the above-mentioned ARA would be sufficient mitigation to resolve any potential adverse effect created by demolition.

** The materials you have provided are sufficient for the required items needed for project review submittal, however, to formally initiate the review we would need you to complete a Project Review Cover Form found here: http://accd.vermont.gov/sites/accd/files/Documents/strongcommunities/historic/ProjectReviewCoverForm2.pdf

We will need to review the ARA before we can provide formal comments VTDEMHS.

A list of consultants who could complete the ARA can be found here: http://accd.vermont.gov/sites/accd/files/Documents/strongcommunities/historic/Environmental_Project_Review_Consultants.pdf

I hope this will give you enough information for your meeting tonight, feel free to call me with any additional questions or to talk about next steps.
Best
Jamie

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James P. Duggan | **Senior Historic Preservation Review Coordinator**
Division for Historic Preservation
Department of Housing & Community Development
1 National Life Dr, Davis Bldg, 6th Floor | Montpelier, VT 05620-0501
802-477-2288 direct | accd.vermont.gov/strong_communities/preservation

PLEASE NOTE: The suffix on all state email has changed; all emails now end in vermont.gov.
My email address is james.duggan@vermont.gov

From: Phil Dechert [mailto:PDechert@norwich.vt.us]
Sent: Friday, January 08, 2016 3:40 PM
To: Duggan, James <James.Duggan@vermont.gov>
Subject: Norwich HP review for 3 Alternative Projects

Jamie,
I was unable to go to my meeting in Montpelier today, so I have created a Dropbox folder with the DRAFT application materials for the three Alternative Projects Norwich is submitting to DEMHS. DEMHS is looking for some letter or document from your office to comply with the EHP review.

https://www.dropbox.com/sh/j2jd5souxh23lbl/AAApNaXt6jMW7xQVlOBZT8YOa?dl=0

The projects:
Restoration of the Norwich Pool Dam Area – This is cleanup, and removal of debris from the former pool area behind a dam that was taken out by TS Irene. The Dam and pool were created in 1944. There is some restoration to the stream bed as outlined in the Stream Alteration Permit. There is no construction but there may be some limited bank restoration.

Addition to highway garage at the Public works facility – 40' x 70' Addition to an existing steel building (1972) in a paved area adjacent to the existing building. Excavation will be for footings and frost walls under a slab**.** Prior to 1972 there was a Quonset Hut building for highway trucks in the same general area. That building is gone but the slab is still there.
There is a new 200' communication tower about 800' north of the building. Lyssa Papasian did a Section 106 review for CPG application which I have included in the Dropbox folder.

Replace a box culvert on Route 132 – Remove and replace a structurally deficient box culvert. The details are in the Stream Alteration permit in the file.

I would appreciate any status report by early next week. We have a Selectboard meeting on Wednesday.

Thanks,
Phil

Phil Dechert
Director of Planning & Zoning
Town of Norwich
PO Box 376
Norwich VT 05055
802 649-1419 Ext. 4

Please note that any response or reply to this electronic message may be subject to disclosure as a public record under the Vermont Public Records Act.