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Phone: (978) 988-2115

*Celebrating  
over 20 years*

**NHDES WETLANDS BUREAU  
EXPEDITED MINIMUM IMPACT  
WETLANDS PERMIT APPLICATION  
REPAIR OF HILL BRIDGE  
EXETER, NEW HAMPSHIRE  
SA Project No. 113-13-003  
August 21, 2020**

Prepared for:

**PHILLIPS EXETER ACADEMY**  
20 Main Street  
Exeter, NH 03833

Prepared by:

**Stephens Associates Consulting Engineers, LLC**

Nathaniel A. Olson, Ph.D  
Project Engineer

James E. Turner  
Project Manager

Robert S. Stephens, P.E.  
Principal Engineer

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INSERT CHECK OR MONEY ORDER FOR PERMIT APPLICATION FEE

PAYABLE TO "Treasurer – State of NH"



**EXPEDITED (EXP) MINIMUM IMPACT  
WETLANDS PERMIT APPLICATION**  
Water Division/Land Resources Management  
Wetlands Bureau  
[Check the Status of your Application](#)



**RSA/Rule:** RSA 482-A/Env-Wt 100-900

**APPLICANT'S NAME:** Phillips Exeter Academy

**TOWN NAME:** Exeter

Administrative Use Only	Administrative Use Only	Administrative Use Only	File No.:
			Check No.:
			Amount:
			Initials:

**SECTION 1 - REQUIRED PLANNING FOR ALL PROJECTS (Env-Wt 306.05; Env-Wt 603.03; Env-Wt 603.05)**  
Please use the [Wetland Permit Planning Tool \(WPPT\)](#), the Natural Heritage Bureau (NHB) [DataCheck Tool](#), the [Aquatic Resource Mapper](#), or other sources to assist in identifying key features such as: [priority resource areas \(PRAs\)](#), [protected species or habitats](#), coastal areas, designated rivers, or designated prime wetlands.

Does the property contain a PRA?  Yes  No. If yes, provide the following information:

- Does the project qualify for an Impact Classification Adjustment or a Project-Type Exception (See Env-Wt 407.02 and Env-Wt 407.04)?  Yes  No
- Protected species or habitat?  Yes  No. If yes, species or habitat name(s): American eel, Blanding's turtle
- NHB Project ID #: NHB20-0823
- Bog?  Yes  No
- Floodplain wetland contiguous to a tier 3 or higher watercourse?  Yes  No
- Designated Prime Wetland or duly-established 100-foot buffer?  Yes  No
- Sand dune, tidal wetland, tidal water, or undeveloped tidal buffer zone?  Yes  No

Is the property within a Designated River corridor?  Yes  No. If yes, provide the following information:

- Name of Local River Management Advisory Committee (LAC): Exeter River
- A copy of the application was sent to the LAC on Month:  Day:  Year:

For stream crossing projects, provide watershed size: 107 sq mi

For dredging projects, is the subject property contaminated?  Yes  No  
If yes, list contaminant:

Is there potential to impact impaired waters, class A waters, or outstanding resource waters?  Yes  No

[irm@des.nh.gov](mailto:irm@des.nh.gov) or (603) 271-2147

NHDES Wetlands Bureau, 29 Hazen Drive, PO Box 95, Concord, NH 03302-0095

[www.des.nh.gov](http://www.des.nh.gov)

**SECTION 2 - ELIGIBILITY (Env-Wt 306.03; 310.01; 310.03)**

You must confirm that your project meets **ALL** of the following statements to qualify for the EXP process:

- The project qualifies as minimum impact project (See Env-Wt 306.03).
- The project does not include activities that are prohibited under RSA 482-A (See Env-Wt 306.03(a)).
- The project does not include any work in a jurisdictional area that was started without first obtaining the applicable approval (See Env-Wt 306.03(b)).
- No work has been done on the subject property pursuant to another EXP or a statutory permit-by-notification (SPN) within 12 months of the date this EXP will be issued. Alternatively, if any work has been done on the subject property pursuant to another EXP or a statutory permit-by-notification (SPN) within 12 months of the date this EXP will be issued, then you are submitting information, including a plan, with this application demonstrating that:
  - The work proposed in this EXP application is wholly unrelated to and separate from the work already done under the EXP or SPN; and
  - The work proposed in this EXP application, when combined with work that has been done under previously issued EXPs or SPNs within the last 12 months, does not constitute a project for which a standard permit is required (See Env-Wt 310.03(a)).
- If the project is located in a PRA, it also qualifies for an impact classification adjustment under Env-Wt 407.02 or a project-type exception (PTE) under Env-Wt 407.04 (See Env-Wt 310.01(d)(6)).

My project meets all statements above. (Proceed to Section 3.)

My project does not meet all of the statements above. (Your project does not qualify for the EXP process. Your project either is not permissible or requires a Standard Permit.)

**SECTION 3 - INFORMATION ON THE PROPOSED PROJECT (Env-Wt 310.01(c))**

Provide the following information on the proposed project.

Identification of the applicable minimum impact provision(s) in Env-Wt 500, Env-Wt 600, or Env-Wt 900 and the project-specific information required by those provision(s):

Based on our pre-application meeting with NHDES on February 26, 2020, the Project qualifies for a Minimum Impact – Expedited permit application for repair of an existing structure, i.e. the Bridge, per Env-Wt 904.09, and for bank stabilization upstream and downstream of the Bridge by bioengineering methods per Env-Wt 514.07(a)(2).

Bank stabilization: As shown in the attached photos, the existing banks upstream and downstream of the Bridge are generally vegetated, except where they are eroded (largely due to previous foot traffic, surface runoff, etc.). The bioengineered repairs, shown on the Drawings, include soil fill, staked logs, erosion control matting, planted shrubs and perennials, and grassy cover. The repairs will reduce the potential for erosion-causing foot traffic and encourage river access at other nearby locations.

Stream crossing (i.e. Bridge) repair: The proposed Bridge repairs maintain the existing Bridge opening and the riprap repairs maintain existing ground surface grades on the banks and the river bed. The repairs therefore maintain hydraulic capacity, wildlife and aquatic organism passage, and river connectivity, and do not increase upstream or downstream flood risk.

A brief description of the project and the purpose of the project, outlining the scope of work to be performed and whether impacts are temporary or permanent. DO NOT reply "See attached" in the space provided below.  
 The purpose of the Project is to repair the existing Hill Bridge crossing the Exeter River, enhance scour resistance, repair river bank erosion, and improve landscaping at the ends of the Bridge.

Scope of work in the delineated wetlands includes temporary sediment/erosion controls, staging, and cofferdams, riprap repair for erosion resistance, installation of vegetative bank stabilization, and concrete repairs to the Bridge.

The Project involves repair of an existing structure (the Bridge) and adjacent river banks. Repairs to the Bridge are needed to maintain structural capacity, public safety, emergency vehicle access across the bridge to an otherwise difficult-to-access location, and continued operation, including repairs to Bridge concrete surfaces, river bank erosion repair, and repair of erosion-resistant riprap at each end of the Bridge.

Permanent wetland impacts are needed to excavate and place the erosion-resistant riprap, place fill to restore bank erosion and stabilize banks, and restore vegetation. Temporary wetland impacts are necessary for construction access and temporary sediment and erosion controls. No compensatory mitigation is required.

Identification of the type of wetland to be affected and the amount of wetland impacts (in square feet/linear feet):  
 Perennial Stream: 750 sq ft / 85 lin ft (permanent), 3,340 sq ft / 110 lin ft (temporary)  
 Bank - Perennial Stream: 1,160 sq ft / 175 lin ft (permanent), 490 sq ft / 220 lin ft (temporary)

Not applicable

The number of linear feet of shoreline frontage for projects located on water bodies:  
 linear feet

Not applicable

**SECTION 4 - PROJECT LOCATION (Env-Wt 310.01(b))**

ADDRESS:

TOWN/CITY:

TAX MAP/LOT NUMBER:

US GEOLOGICAL SURVEY (USGS) TOPO MAP WATERBODY NAME:   
 N/A

(Optional) LATITUDE/LONGITUDE in decimal degrees (to five decimal places):  
 42.9767° North  
 70.9428° West

**SECTION 5 – APPLICANT (DESIRED PERMIT HOLDER) INFORMATION (Env-Wt 310.01(a))**

If the applicant is a trust or a company, then the name of the trust or company should be written as the applicant's name.

NAME: Phillips Exeter Academy, Facilities, Attn: Mark Leighton and Ron Johnson

MAILING ADDRESS: 20 Main Street

TOWN/CITY: Exeter	STATE: NH	ZIP CODE: 03833
-------------------	-----------	-----------------

PHONE: 603-777-4436	EMAIL ADDRESS (OPTIONAL): mleighton@exeter.edu, rjohnson@exeter.edu
---------------------	---

ELECTRONIC COMMUNICATION: By initialing here: ML, I hereby authorize NHDES to communicate all matters relative to this application electronically.

**SECTION 6 - AUTHORIZED AGENT INFORMATION (Env-Wt 310.01(a))**

If the agent is a company, then the name of the company should be written as the agent's name.

NAME: Stephens, Robert S., PE, Stephens Associates Consulting Engineers, LLC

MAILING ADDRESS: 60 Northrup Drive

TOWN/CITY: Brentwood	STATE: NH	ZIP CODE: 03833
----------------------	-----------	-----------------

PHONE: 603-772-1417	EMAIL ADDRESS (OPTIONAL): rsstephens@stephensengineers.com, cc: jeturner@stephensengineers.com
---------------------	--

ELECTRONIC COMMUNICATION: By initialing here: ASS, I hereby authorize NHDES to communicate all matters relative to this application electronically.

**SECTION 7 - PROPERTY OWNER INFORMATION (IF DIFFERENT FROM APPLICANT) (Env-Wt 310.01(a))**

If the owner is a trust or a company, then the name of the trust or company should be written as the owner's name.

NAME:

MAILING ADDRESS:

TOWN/CITY:	STATE:	ZIP CODE:
------------	--------	-----------

PHONE:	EMAIL ADDRESS (OPTIONAL):
--------	---------------------------

ELECTRONIC COMMUNICATION: By initialing here: \_\_\_\_\_, I hereby authorize NHDES to communicate all matters relative to this application electronically.

**SECTION 8 - APPLICATION FEE (RSA 482-A:3, I)**

\$400 for minimum impact projects. Please make your check or money order payable to: "Treasurer - State of NH".

**SECTION 9 - REQUIRED CERTIFICATIONS ( Env-Wt 310.01(d))**

Initial each box below to certify:

Initials: <u>RS</u> <u>ML</u>	The proposed project meets the conditions and limits of the applicable minimum impact project rule.
-------------------------------------	---

Initials: <u>RS</u> <u>ML</u>	All abutters have been notified.
-------------------------------------	----------------------------------

<p>Initials: RSS ML</p>	<p>If the project is to repair or replace a docking structure, the docking structure is an existing legal structure. (<input checked="" type="checkbox"/> N/A)</p>
<p>Initials: RSS ML</p>	<p>The proposal is the alternative with the least adverse impact to jurisdictional areas, as required by Env-Wt 310.01(d)(4).</p>
<p>Initials: RSS ML</p>	<p>The project is not an after-the-fact application.</p>
<p>Initials: RSS ML</p>	<p>The project is:</p> <ul style="list-style-type: none"> <li>• Not located in a PRA; or</li> <li>• Is located in a PRA but is subject to a classification adjustment under Env-Wt 407.02 or a project-type exception (PTE) under Env-Wt 407.04.</li> </ul>
<p>Initials: RSS ML</p>	<p>The applicant is aware of the limits of the EXP and understands and will comply with all conditions in the EXP and all applicable conditions in Env-Wt 307.</p>
<p>Initials: RSS ML</p>	<p>To the best of the signer's knowledge and belief, all required notifications have been provided.</p>
<p>Initials: RSS ML</p>	<p>The information submitted on or with the application is true, complete, and not misleading to the best of the signer's knowledge and belief.</p>
<p>Initials: RSS ML</p>	<p>The signer understands that:</p> <ul style="list-style-type: none"> <li>• The submission of false, incomplete, or misleading information constitutes grounds for NHDES to:             <ol style="list-style-type: none"> <li>1. Deny the application.</li> <li>2. Revoke any approval that is granted based on the information.</li> <li>3. If the signer is a certified wetland scientist, licensed surveyor, or professional engineer licensed to practice in New Hampshire, refer the matter to the joint board of licensure and certification established by RSA 310-A:1.</li> </ol> </li> <li>• The signer is subject to the penalties specified in New Hampshire law for falsification in official matters, currently RSA 641.</li> <li>• The signature shall constitute authorization for the municipal conservation commission and the Department to inspect the site of the proposed project, except for minimum impact trail projects, where the signature shall authorize only the Department to inspect the site pursuant to RSA 482-A:6, II.</li> </ul>
<p>Initials: RSS ML</p>	<p>If the applicant is not the owner of the property, each property owner signature shall constitute certification by the signer that he or she is aware of the application being filed and does not object to the filing.</p>



**SECTION 10 - REQUIRED SIGNATURES (Env-Wt 310.01(d))**

SIGNATURE (OWNER)*:	PRINT NAME LEGIBLY:	DATE:
	Mark Leighton	8/27/2020

\*Note: if the applicant is not the owner of the property, each property owner also shall sign and date the application provided that property owner signatures shall not be required for transportation projects adjacent to existing rights-of-way where an easement will be obtained prior to the start of construction (Env-Wt 311.11(d)). Check the following box is your project meets this exception: .

SIGNATURE (APPLICANT, IF DIFFERENT FROM OWNER):	PRINT NAME LEGIBLY:	DATE:

SIGNATURE (AGENT, IF APPLICABLE):	PRINT NAME LEGIBLY:	DATE:
	ROBERT S STEPHENS	8/21/20

**SECTION 11 - CONSERVATION COMMISSION SIGNATURE (Env-Wt 310.01(h))\*\***

The signature below certifies that the municipal Conservation Commission or, if there is no conservation commission, the local governing body, has reviewed this application and waives its right to intervene per RSA 482-A:11.

AUTHORIZED COMMISSION SIGNATURE:	PRINT NAME LEGIBLY:	DATE:

**SECTION 12 - LOCAL RIVER MANAGEMENT ADVISORY COMMITTEE SIGNATURE (Env-Wt 310.01(i))\*\***

The signature below certifies that the LAC waives its right to intervene per RSA 482-A:11.  N/A This project is not within a Designated River Corridor

AUTHORIZED LAC REPRESENTATIVE SIGNATURE:	PRINT NAME LEGIBLY:	DATE:
	WILLIAM MESERVE	9/23/20

\*\*Note: If the application is complete, except for the signed statement from the Conservation Commission and/or LAC, waiving their right to intervene on the project, the application will be processed under the application processing times established in RSA 482-A:3, XIV (Env-Wt 310.02(h)).

**SECTION 13 - COUNTY CONSERVATION DISTRICT OR CERTIFIED WETLAND SCIENTIST SIGNATURE (Env-Wt 310.01(g))**

ONLY for projects under Env-Wt 522.06, please provide a signed statement by the county conservation district or certified wetland scientist (CWS) certifying compliance with all conditions of that rule (Env-Wt 522.06(a)(2)).

By signing below, the county conservation district or certified wetland scientist certifies compliance with all conditions of that rule.

AUTHORIZED COUNTY CONSERVATION DISTRICT OR CWS SIGNATURE:	PRINT NAME LEGIBLY:	DATE:

**SECTION 14 - TOWN / CITY CLERK SIGNATURE (Env-Wt 310.01(f))**

As required by RSA 482-A:3, I(a)(1), I hereby certify that the municipality has received 4 copies of the application including all attachments.

TOWN/CITY CLERK SIGNATURE:	PRINT NAME LEGIBLY:

TOWN/CITY:	DATE:

**DIRECTIONS FOR TOWN/CITY CLERK:**

Per RSA 482-A:3, I(a)(1)

1. IMMEDIATELY sign the original application form and four copies in the signature space provided above.
2. Return the signed original application form and attachments to the applicant so that the applicant may submit the application form and attachments to NHDES by mail or hand delivery.
3. IMMEDIATELY distribute a copy of the application with one complete set of attachments to each of the following bodies: the municipal Conservation Commission, the local governing body (Board of Selectmen or Town/City Council), and the Planning Board.
4. Retain one copy of the application form and one complete set of attachments and make them reasonably accessible for public review.

**DIRECTIONS FOR APPLICANT:**

Submit the single, original permit application form bearing the signature of the Town/City Clerk, additional materials, and the application fee to NHDES by mail or hand delivery at the address at the bottom of this page.

**ABUTTER NOTIFICATION  
OF  
WETLANDS AND SHORELAND PERMIT APPLICATIONS**

*Via Certified Mail*

August 21, 2020

**Re: NHDES Wetlands and Shoreland Permit Applications**

Hill Bridge, Phillips Exeter Academy  
2 Gilman Lane  
Exeter, NH 03833  
Tax Map/Lot: 71/119 and 83/1

Dear Sir or Madam:

This letter is to inform you that permit applications for a *Wetlands and Non-Site Specific Permit* and a *Shoreland Impact Permit* will be submitted to the NH Department of Environmental Services (NHDES) Wetland and Shoreland Bureaus, respectively, to repair Hill Bridge, including concrete repairs, bank stabilization and erosion resistance improvements, and other minor landscaping and site improvements. Under state laws RSA 482-A:3 I (d)(1) and RSA 483-B:5-b, iv-a, via certified mail, I am required to notify you about this wetlands and shoreland permit applications, respectively, which propose work abutting your property.

Once the permit applications are submitted to NHDES, a copy of each permit application, including the plans associated with the project proposal, will be available for public review at the City or Town Clerk's Office within the City/Town where the proposed project is located. A copy of the permit application, including the plans associated with the project proposal, can also be reviewed at the NHDES headquarters in Concord by scheduling a file review by calling (603) 271-8808 or visiting online at: [filereview@des.nh.gov](mailto:filereview@des.nh.gov).

If you have questions, you may contact me at the contact information provided below.

Sincerely,



Ron Johnson, Facilities  
Phillips Exeter Academy  
20 Main Street  
Exeter, NH 03833  
603-777-4436  
[rjohnson@exeter.edu](mailto:rjohnson@exeter.edu)



**KEY TO ZONING SYMBOLS  
AS SHOWN ON MAP SHEETS**

--- ZONING DISTRICT LIMITS

**DISTRICTS**

**RESIDENTIAL:**

- RU RURAL
- R-1 SINGLE FAMILY
- R-2 SINGLE FAMILY
- R-3 SINGLE FAMILY
- R-4 MULTI-FAMILY
- R-5 MULTI-FAMILY/ELDERLY
- M MOBILE HOME PARK
- MS MOBILE HOME SUBDIVISION

**COMMERCIAL:**

- C-1 CENTRAL AREA COMMERCIAL
- C-2 HIGHWAY COMMERCIAL
- C-3 EPPING ROAD
- NP HIGHWAY COMMERCIAL
- PROFESSIONAL
- WC WATERFRONT COMMERCIAL

**CORPORATE/TECHNOLOGY:**

- CT CORPORATE
- TECHNOLOGY PARK
- CT-1 CORPORATE
- TECHNOLOGY-1 PARK
- PP PROFESSIONAL/
- TECHNOLOGY PARK

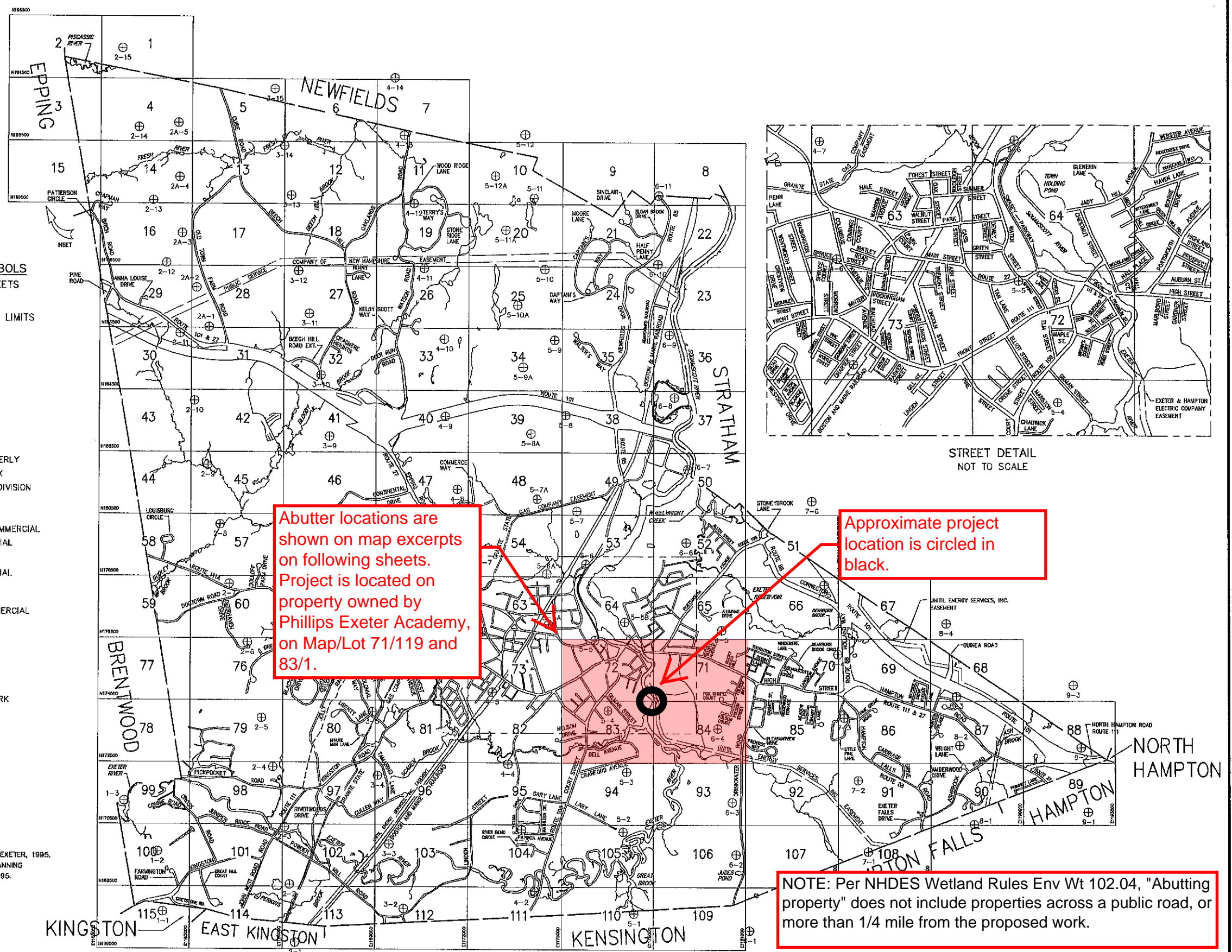
**INDUSTRIAL:**

- I INDUSTRIAL

**HEALTHCARE:**

- H HEALTHCARE

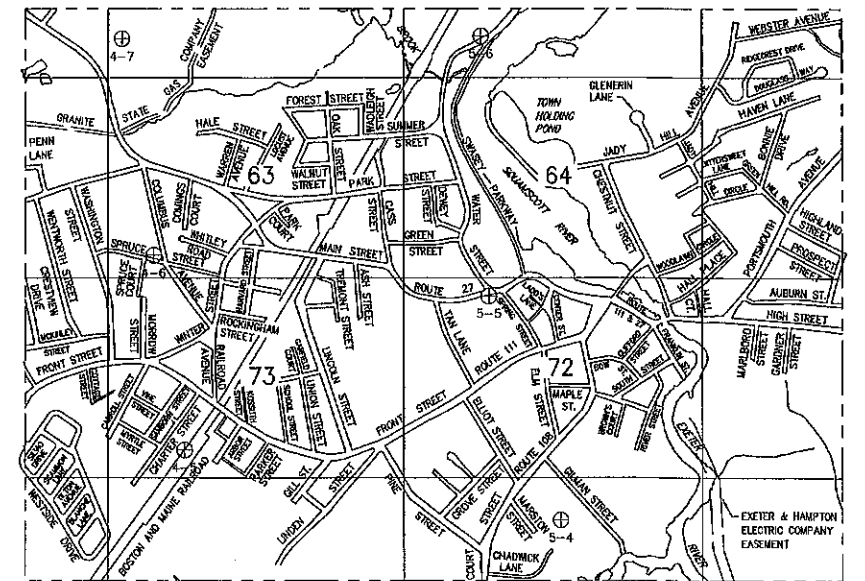
SOURCE: ZONING MAP OF THE TOWN OF EXETER, 1995.  
PREPARED BY ROCKINGHAM PLANNING  
COMMISSION DATED APRIL 7, 1995.



Abutter locations are shown on map excerpts on following sheets. Project is located on property owned by Phillips Exeter Academy, on Map/Lot 71/119 and 83/1.

Approximate project location is circled in black.

NOTE: Per NHDES Wetland Rules Env Wt 102.04, "Abutting property" does not include properties across a public road, or more than 1/4 mile from the proposed work.



THIS MAP IS FOR ASSESSMENT PURPOSES. IT IS NOT VALID FOR LEGAL DESCRIPTION OR CONVEYANCE.  
THE HORIZONTAL DATUM IS THE NEW HAMPSHIRE STATE PLANE COORDINATE SYSTEM.  
PHOTOGRAPHY DATE: APRIL 25, 1995  
COMPLETION DATE: MARCH 29, 1996

PRODUCED IN 1998 BY

11 PASCANIT STREET, LITTLETON, NH 03061  
603.322.4540 - WWW.CV-TECH.COM

**LEGEND**

72 MAP SHEET NUMBER

⊕ APPROXIMATE CENTER OF 1" = 100' CRONAFLEX ENLARGEMENT

--- UTILITY EASEMENT

COORDINATE VALUE OF NEW HAMPSHIRE STATE PLANE COORDINATE SYSTEM NAD-83

SCALE 1" = 1500'

FEET 1500 0 1500 3000

METERS 750 0 750

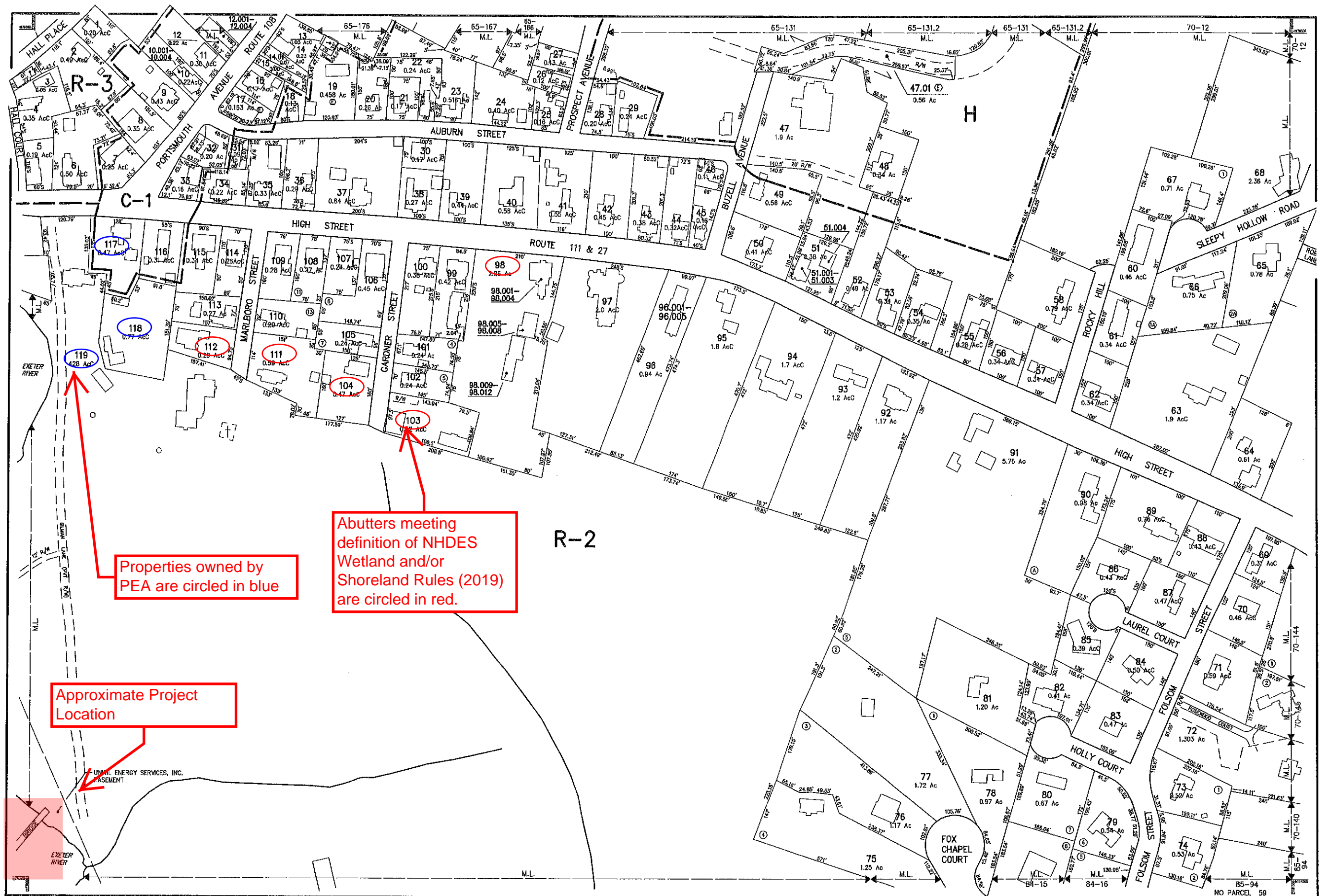
REVISED TO: APRIL 1, 2019

PROPERTY MAPS

**EXETER**

NEW HAMPSHIRE

INDEX MAP



Properties owned by PEA are circled in blue

Abutters meeting definition of NHDES Wetland and/or Shoreland Rules (2019) are circled in red.

Approximate Project Location

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 PHOTOGRAPHY DATE: APRIL 25, 1996  
 COMPLETION DATE: MARCH 29, 1996

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 11 PLEASANT STREET, LITTLETON, NH 03561  
 603-322-4500 - WWW.CAI-TECH.COM

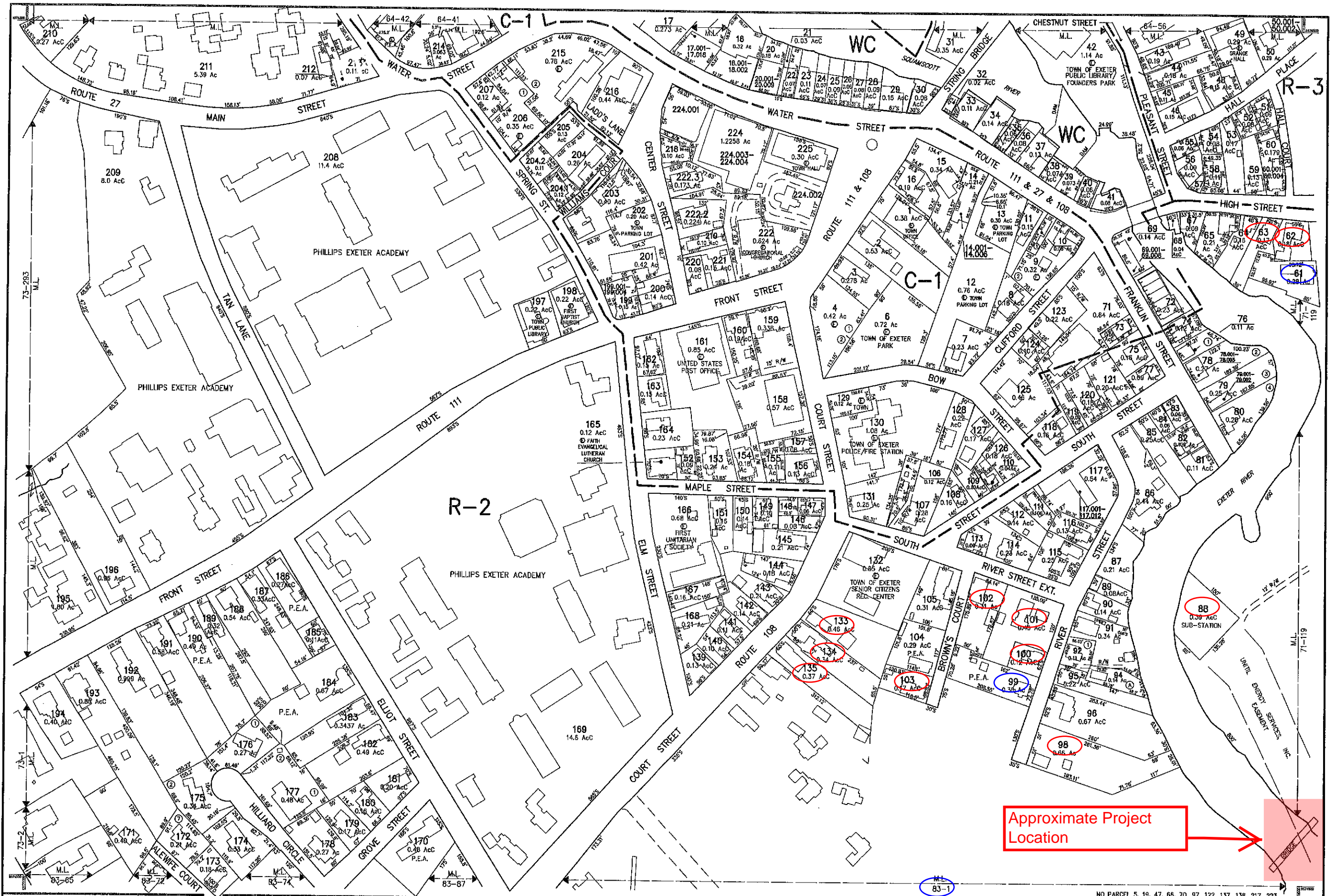
AREA SURVEYED . . . . . Ac  
 AREA CALCULATED . . . . . Ac  
 RECORD DIMENSION . . . . . 100'  
 SCALED DIMENSION . . . . . 100'S  
 MATCH LINE . . . . . M.L.  
 WATER . . . . . W

LEGEND  
 EXEMPT PROPERTY . . . . . (E)  
 SUBDIVISION LOT NO. . . . . (L)  
 ZONE LIMIT . . . . . Z  
 RIGHT OF WAY . . . . . R/W  
 COMMON OWNERSHIP . . . . . CO  
 BUILDING . . . . . B  
 WETLANDS . . . . . W

SCALE 1" = 100'  
 FEET 0 100 200 300  
 METERS 0 25 50 75  
 REVISED TO: APRIL 1, 2019

PROPERTY MAPS  
**EXETER**  
 NEW HAMPSHIRE

INDEX DIAGRAM  
 MAP NO. **71**



THIS MAP IS FOR ASSESSMENT PURPOSES. IT IS NOT VALID FOR LEGAL DESCRIPTION OR CONVEYANCE.  
 THE HORIZONTAL DATUM IS THE NEW HAMPSHIRE STATE PLANE COORDINATE SYSTEM.  
 PHOTOGRAPHY DATE: APRIL 25, 1995  
 COMPLETION DATE: MARCH 29, 1996

PRODUCED IN 1996 BY  
**CA Technologies**  
 11 PLEASANT STREET, LITTLETON, NH 03851  
 603-325-6540 - WWW.CATTECH.COM

AREA SURVEYED . . . . . Ac  
 AREA CALCULATED . . . . . Ac  
 RECORD DIMENSION . . . . . 100'  
 SCALED DIMENSION . . . . . 100'S  
 MATCH LINE . . . . . M.L.  
 WATER . . . . . W

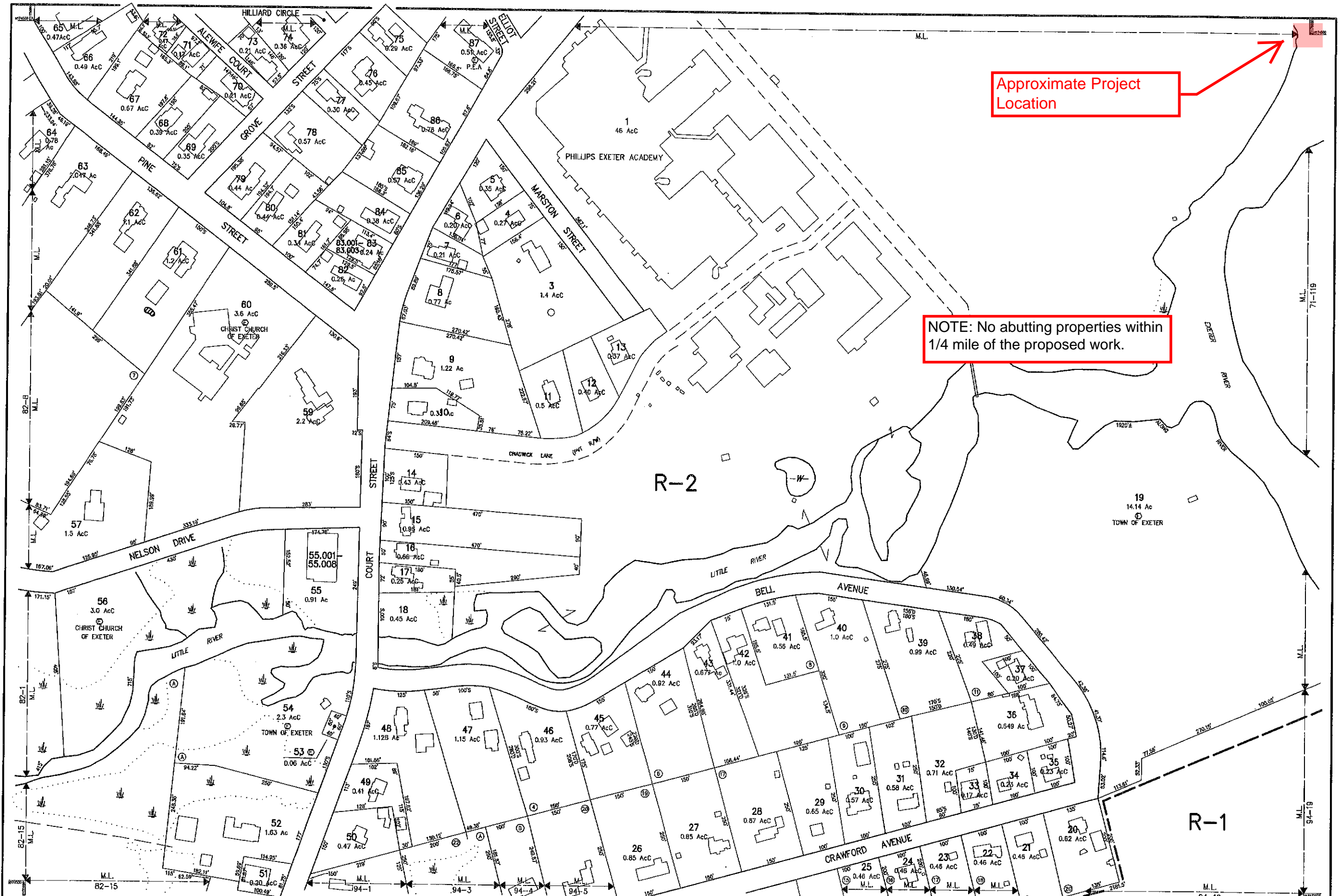
**LEGEND**  
 EXEMPT PROPERTY . . . . . (C)  
 SUBDIVISION LOT NO. . . . . (L)  
 ZONE LIMIT . . . . . (Z)  
 RIGHT OF WAY . . . . . (R)  
 COMMON OWNERSHIP . . . . . (CO)  
 WETLANDS . . . . . (W)

SCALE 1" = 100'  
 FEET 0 100 200 300  
 METERS 0 25 50 75  
 REVISED TO: APRIL 1, 2019

PROPERTY MAPS  
**EXETER**  
 NEW HAMPSHIRE

INDEX DIAGRAM  
 63 64 65  
 73 71  
 82 83 84  
**MAP NO. 72**

NO PARCEL 5, 19, 47, 66, 70, 97, 122, 137, 138, 217, 223



Approximate Project Location

NOTE: No abutting properties within 1/4 mile of the proposed work.

THIS MAP IS FOR ASSESSMENT PURPOSES. IT IS NOT VALID FOR LEGAL DESCRIPTION OR CONVEYANCE.  
 THE HORIZONTAL DATUM IS THE NEW HAMPSHIRE STATE PLANE COORDINATE SYSTEM.  
 PHOTOGRAPHY DATE: APRIL 25, 1995  
 COMPLETION DATE: MARCH 29, 1996

PRODUCED IN 1998 BY  
**CAE Technologies**  
 11 PLEASANT STREET, LITTLETON, MASSACHUSETTS 01462-4540 • WWW.CAE-TECH.COM

LEGEND

AREA SURVEYED	Ac
AREA CALCULATED	AcC
RECORD DIMENSION	100'
SCALED DIMENSION	100'S
MATCH LINE	M.L.
WATER	W
EXEMPT PROPERTY, SUBDIVISION LOT NO.	②
ZONE LIMIT	—
RIGHT OF WAY	—
COMMON OWNERSHIP	—
BUILDING	—
WETLANDS	—

SCALE 1" = 100'

FEET 0 50 100 200 300

METERS 0 25 50 75

REVISED TO: APRIL 1, 2019

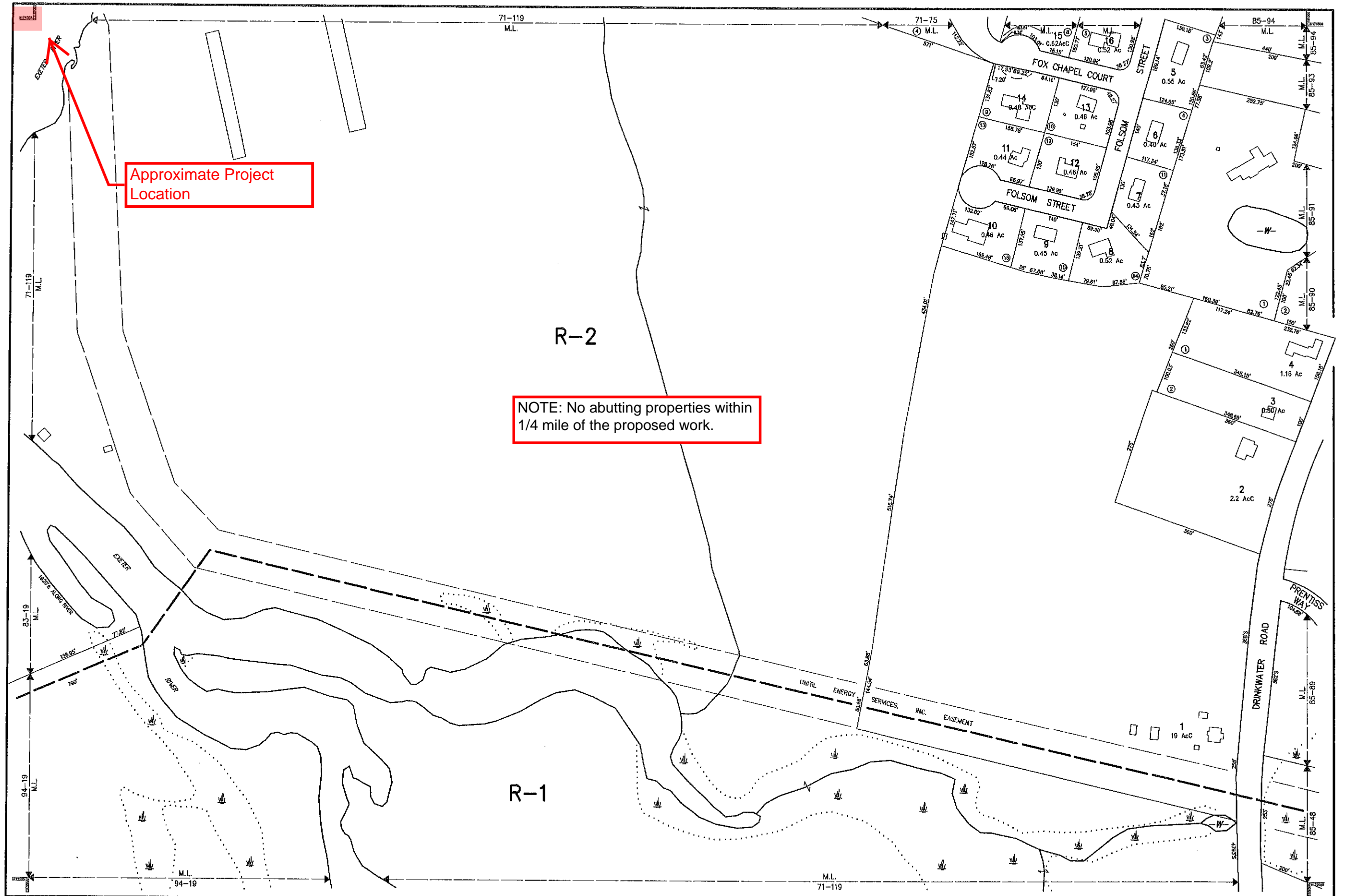
PROPERTY MAPS  
**EXETER**  
 NEW HAMPSHIRE

INDEX DIAGRAM

73	72	71
82	81	80
95	94	93

MAP NO. **83**

NO PARCEL 2, 58



Approximate Project Location

NOTE: No abutting properties within 1/4 mile of the proposed work.

THIS MAP IS FOR ASSESSMENT PURPOSES. IT IS NOT VALID FOR LEGAL DESCRIPTION OR CONVEYANCE.  
 THE HORIZONTAL DATUM IS THE NEW HAMPSHIRE STATE PLANE COORDINATE SYSTEM.  
 PHOTOGRAPHY DATE: APRIL 25, 1995  
 COMPLETION DATE: MARCH 29, 1996

PRODUCED BY 1996 BY

11 PLEASANT STREET, LITTLETON, NH 03051  
 603-222-4540 - WWW.GVI-TECH.COM

AREA SURVEYED	Ac
AREA CALCULATED	Ac
RECORD DIMENSION	.100'
SCALED DIMENSION	.100'S
MATCH LINE	M.L.
WATER	W

LEGEND

EXEMPT PROPERTY	①
SUBDIVISION LOT NO.	②
ZONE LIMIT	---
RIGHT OF WAY	---
COMMON OWNERSHIP	---
BUILDING	---
WETLANDS	---

SCALE 1" = 100'

REVISD TO: APRIL 1, 2019

PROPERTY MAPS  
**EXETER**  
 NEW HAMPSHIRE

INDEX DIAGRAM

72	71	70
83	84	85
94	93	92

MAP NO. **84**



NHDES WETLAND AND SHORELAND PERMIT APPLICATIONS - ABUTTER LIST

MAP	LOT	UNIT	OWNER 1	OWNER 2	MAILING ADDRESS 1	MAILING ADDRESS 2	
71	98	1	BLEAKLEY AUDREY I		75 HIGH ST-EM/U1	EXETER, NH 03833	
71	98	2	HARRISON FAMILY REV TR	HARRISON DONNA L TRUSTEE	75 HIGH ST-EM/U2	EXETER, NH 03833	
71	98	3	JACOBSON SONJA A		68 BALD HILL RD	NEWFIELDS, NH 03856	
71	98	4	TRAVER CYNTHIA L		75 HIGH ST EM-U4	EXETER, NH 03833	
71	98	5	BISSONNETTE TODD R		75 HIGH ST-GA/U1	EXETER, NH 03833	
71	98	6	TUTTLE MICHAEL J REV TR	TUTTLE MICHAEL J TRUSTEE	6 SPRUCE ST	EXETER, NH 03833	
71	98	7	OLBRICHT LANDON T		75 HIGH ST-GA/U3	EXETER, NH 03833	
71	98	8	HEPP CRISTIN R		75 HIGH ST GA/4	EXETER, NH 03833	
71	98	9	PEDIATRIC PHARMACEUTICAL CONSULTANTS		5215 S DURANGO SUITE 3	LAS VEGAS, NV 89113	
71	98	10	MEANEY JUDITH		14 SHERMAN AVE	BRENTWOOD, NH 03833	
71	98	11	BARLOW CHRISTIAN		75 HIGH ST-JA/U3	EXETER, NH 03833	
71	98	12	RODIER CASSANDRA H		75 HIGH ST J4	EXETER, NH 03833-2928	
71	103		GILMORE VIRGINIA REV TR	GILMORE VIRGINIA F TRUSTEE	39 HAMPTON FALLS RD	EXETER, NH 03833	
71	104		SLOAN BENJAMIN & JILL REV TR	SLOAN BENJAMIN & JILL TEES	11 GARDNER ST	EXETER, NH 03833	
71	111		LUZADRE JOHN C	BULLEN REBECCA P	10 MARLBORO ST	EXETER, NH 03833	
71	112		TOLENTINO NICHOLAS JAMES		9 MARLBORO ST	EXETER, NH 03833	
71	117		PHILLIPS EXETER ACADEMY (No notification sent because abutter is also Owner of property on which Project is proposed.)				
71	118		PHILLIPS EXETER ACADEMY (No notification sent because abutter is also Owner of property on which Project is proposed.)				
72	61		PHILLIPS EXETER ACADEMY (No notification sent because abutter is also Owner of property on which Project is proposed.)				
72	62		DONNELL J REV TR		25 HIGH ST	EXETER, NH 03833	
72	63		HOGG TROY J		PO BOX 987	EXETER, NH 03833	
72	88		UNITIL ENERGY SYSTEMS INC		6 LIBERTY LANE WEST	HAMPTON, NH 03842	
72	98		GANLEY EDWARD P	GANLEY DIANE	44 RIVER ST	EXETER, NH 03833	
72	99		PHILLIPS EXETER ACADEMY (No notification sent because abutter is also Owner of property on which Project is proposed.)				
72	100		MCLAUGHLIN SHEILA M TRUST	MCLAUGHLIN KATHLEEN & KEVIN TTEES	PO BOX 654	EXETER, NH 03833	
72	101		SUNSHINE REALTY TRUST	HOVANESIAN JUDITH M	100 FIRST ST #302	DOVER, NH 03802	
72	102		SEVENTY-ONE HIGH STREET REALTY TRUST	KAZANTZIDIS PETER TRUSTEE	7 HERITAGE WAY	EXETER, NH 03833	
72	103		JACKSON PROPERTIES LLC		761 WASHINGTON ST	RYE, NH 03870	
72	133		LEMERIS SAMUEL J		34 COURT ST	EXETER, NH 03833	
72	134		THREE BULLDOGS LLC		10 NORTH RD	EAST KINGSTON, NH 03827	
72	135		THREE BULLDOGS LLC		10 NORTH RD	EAST KINGSTON, NH 03827	

BLEAKLEY AUDREY I  
75 HIGH ST-EM/U1  
EXETER, NH 03833

HARRISON FAMILY REV TR  
HARRISON DONNA L TRUSTEE  
75 HIGH ST-EM/U2  
EXETER, NH 03833

JACOBSON SONJA A  
68 BALD HILL RD  
NEWFIELDS, NH 03856

TRAVER CYNTHIA L  
75 HIGH ST EM-U4  
EXETER, NH 03833

BISSONNETTE TODD R  
75 HIGH ST-GA/U1  
EXETER, NH 03833

TUTTLE MICHAEL J REV TR  
TUTTLE MICHAEL J TRUSTEE  
6 SPRUCE ST  
EXETER, NH 03833

OLBRICHT LANDON T  
75 HIGH ST-GA/U3  
EXETER, NH 03833

HEPP CRISTIN R  
75 HIGH ST GA/4  
EXETER, NH 03833

PEDIATRIC PHARMACEUTICAL  
CONSULTANTS  
5215 S DURANGO SUITE 3  
LAS VEGAS, NV 89113

MEANEY JUDITH  
14 SHERMAN AVE  
BRENTWOOD, NH 03833

BARLOW CHRISTIAN  
75 HIGH ST-JA/U3  
EXETER, NH 03833

RODIER CASSANDRA H  
75 HIGH ST J4  
EXETER, NH 03833-2928

GILMORE VIRGINIA REV TR  
GILMORE VIRGINIA F TRUSTEE  
39 HAMPTON FALLS RD  
EXETER, NH 03833

SLOAN BENJAMIN & JILL REV TR  
SLOAN BENJAMIN & JILL TEES  
11 GARDNER ST  
EXETER, NH 03833

LUZADRE JOHN C  
BULLEN REBECCA P  
10 MARLBORO ST  
EXETER, NH 03833

TOLENTINO NICHOLAS JAMES  
9 MARLBORO ST  
EXETER, NH 03833

DONNELL J REV TR  
25 HIGH ST  
EXETER, NH 03833

HOGG TROY J  
PO BOX 987  
EXETER, NH 03833

UNITIL ENERGY SYSTEMS INC  
6 LIBERTY LANE WEST  
HAMPTON, NH 03842

GANLEY EDWARD P  
GANLEY DIANE  
44 RIVER ST  
EXETER, NH 03833

MCLAUGHLIN SHEILA M TRUST  
MCLAUGHLIN KATHLEEN & KEVIN  
TTEES  
PO BOX 654  
EXETER, NH 03833

SUNSHINE REALTY TRUST  
HOVANESIAN JUDITH M  
100 FIRST ST #302  
DOVER, NH 03802

SEVENTY-ONE HIGH STREET REALTY  
TRUST  
KAZANTZIDIS PETER TRUSTEE  
7 HERITAGE WAY  
EXETER, NH 03833

JACKSON PROPERTIES LLC  
761 WASHINGTON ST  
RYE, NH 03870

LEMERIS SAMUEL J  
34 COURT ST  
EXETER, NH 03833

THREE BULLDOGS LLC  
10 NORTH RD  
EAST KINGSTON, NH 03827

Exeter-Squamscott River LAC  
Chair: William Meserve  
c/o Theresa Walker, RPC  
156 Water Street  
Exeter, NH 03833

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Sent To DONNELL J REV TR

Street and Apt. No. 25 HIGH ST

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Sent To LUZADRE JOHN C

Street and Apt. No. BULLEN REBECCA P

10 MARLBORO ST

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Sent To SLOAN BENJAMIN & JILL REV TR

Street and Apt. No. 11 GARDNER ST

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Sent To RODIER CASSANDRA H

Street and Apt. No. 75 HIGH ST J4

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Sent To MEANEY JUDITH

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Postage \$0.55  
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Total Postage and Fees \$4.10

Sent To  
TRAVER CYNTHIA  
75 HIGH ST EM-U4  
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Sent To  
HEPP CRISTIN R  
75 HIGH ST GA/4  
EXETER, NH 03833

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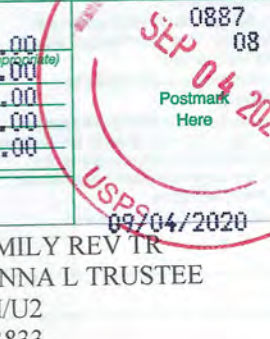
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Sent To  
HARRISON FAMILY REV TR  
HARRISON DONNA L TRUSTEE  
75 HIGH ST-EM/U2  
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Sent To  
TUTTLE MICHAEL J REV TR  
TUTTLE MICHAEL J TRUSTEE  
6 SPRUCE ST  
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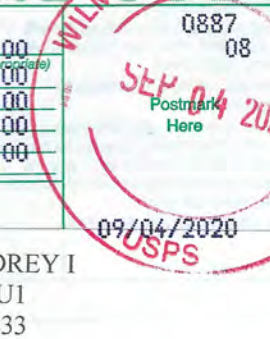
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<input type="checkbox"/> Adult Signature Required	\$0.00
<input type="checkbox"/> Adult Signature Restricted Delivery	\$0.00

Postage \$0.55  
\$

Total Postage and Fees \$4.10

Sent To  
BIRLEY AUDREY I  
75 HIGH ST-EM/U1  
EXETER, NH 03833

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<input type="checkbox"/> Adult Signature Required	\$0.00
<input type="checkbox"/> Adult Signature Restricted Delivery	\$0.00

Postage \$0.55

Total Postage and Fees \$4.10

Sent To **BISSONNETTE TODD R**  
75 HIGH ST-GA/U1  
Street and Apt. No. EXETER, NH 03833

City, State, ZIP+4®

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<input type="checkbox"/> Certified Mail Restricted Delivery	\$0.00
<input type="checkbox"/> Adult Signature Required	\$0.00
<input type="checkbox"/> Adult Signature Restricted Delivery	\$0.00

Postage \$0.55

Total Postage and Fees \$4.10

Sent To **BARLOW CHRISTIAN**  
75 HIGH ST-JA/U3  
Street and Apt. No. EXETER, NH 03833

City, State, ZIP+4®

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<input type="checkbox"/> Certified Mail Restricted Delivery	\$0.00
<input type="checkbox"/> Adult Signature Required	\$0.00
<input type="checkbox"/> Adult Signature Restricted Delivery	\$0.00

Postage \$0.55

Total Postage and Fees \$4.10

Sent To **JACOBSON SONIA S**  
68 BALD HILL RD  
Street and Apt. No. NEWFIELDS, NH 03856

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<input type="checkbox"/> Return Receipt (electronic)	\$0.00
<input type="checkbox"/> Certified Mail Restricted Delivery	\$0.00
<input type="checkbox"/> Adult Signature Required	\$0.00
<input type="checkbox"/> Adult Signature Restricted Delivery	\$0.00

Postage \$0.55

Total Postage and Fees \$4.10

Sent To **GILMORE VIRGINIA F TRUSTEE**  
39 HAMPTON FALLS RD  
Street and Apt. No. EXETER, NH 03833

City, State, ZIP+4®

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<input type="checkbox"/> Certified Mail Restricted Delivery	\$0.00
<input type="checkbox"/> Adult Signature Required	\$0.00
<input type="checkbox"/> Adult Signature Restricted Delivery	\$0.00

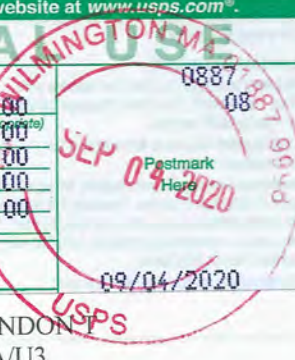
Postage \$0.55

Total Postage and Fees \$4.10

Sent To **OLBRICHT LANDON S**  
75 HIGH ST-GA/U3  
Street and Apt. No. EXETER, NH 03833

City, State, ZIP+4®

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<input type="checkbox"/> Certified Mail Restricted Delivery	\$0.00
<input type="checkbox"/> Adult Signature Required	\$0.00
<input type="checkbox"/> Adult Signature Restricted Delivery	\$0.00

Postage \$0.55

Total Postage and Fees \$4.10

Sent To **TOLENTINO NICHOLAS JAMES**  
9 MARLBORO ST  
Street and Apt. No. EXETER, NH 03833

City, State, ZIP+4®

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<input type="checkbox"/> Adult Signature Restricted Delivery	\$0.00

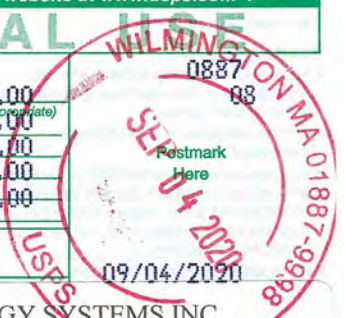
Postage \$0.55

Total Postage and Fees \$4.10

Sent To  
UNITIL ENERGY SYSTEMS INC  
6 LIBERTY LANE WEST  
HAMPTON, NH 03842

City, State, ZIP+4®

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<input type="checkbox"/> Return Receipt (electronic)	\$0.00
<input type="checkbox"/> Certified Mail Restricted Delivery	\$0.00
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<input type="checkbox"/> Return Receipt (hardcopy)	\$0.00
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<input type="checkbox"/> Adult Signature Restricted Delivery	\$0.00

Postage \$0.55

Total Postage and Fees \$4.10

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<input type="checkbox"/> Adult Signature Restricted Delivery	\$0.00

Postage \$0.55

Total Postage and Fees \$4.10

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MCLAUGHLIN KATHLEEN & KEVIN  
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Dover, NH 03820

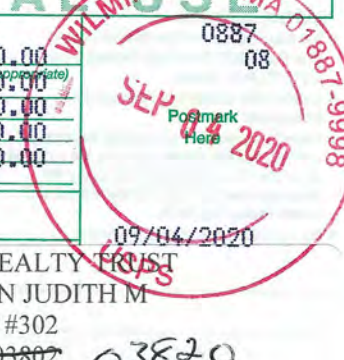
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 Chair: William Meserve  
 c/o Theresa Walker, RPC  
 156 Water Street  
 Exeter, NH 03833

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Postage \$8.25

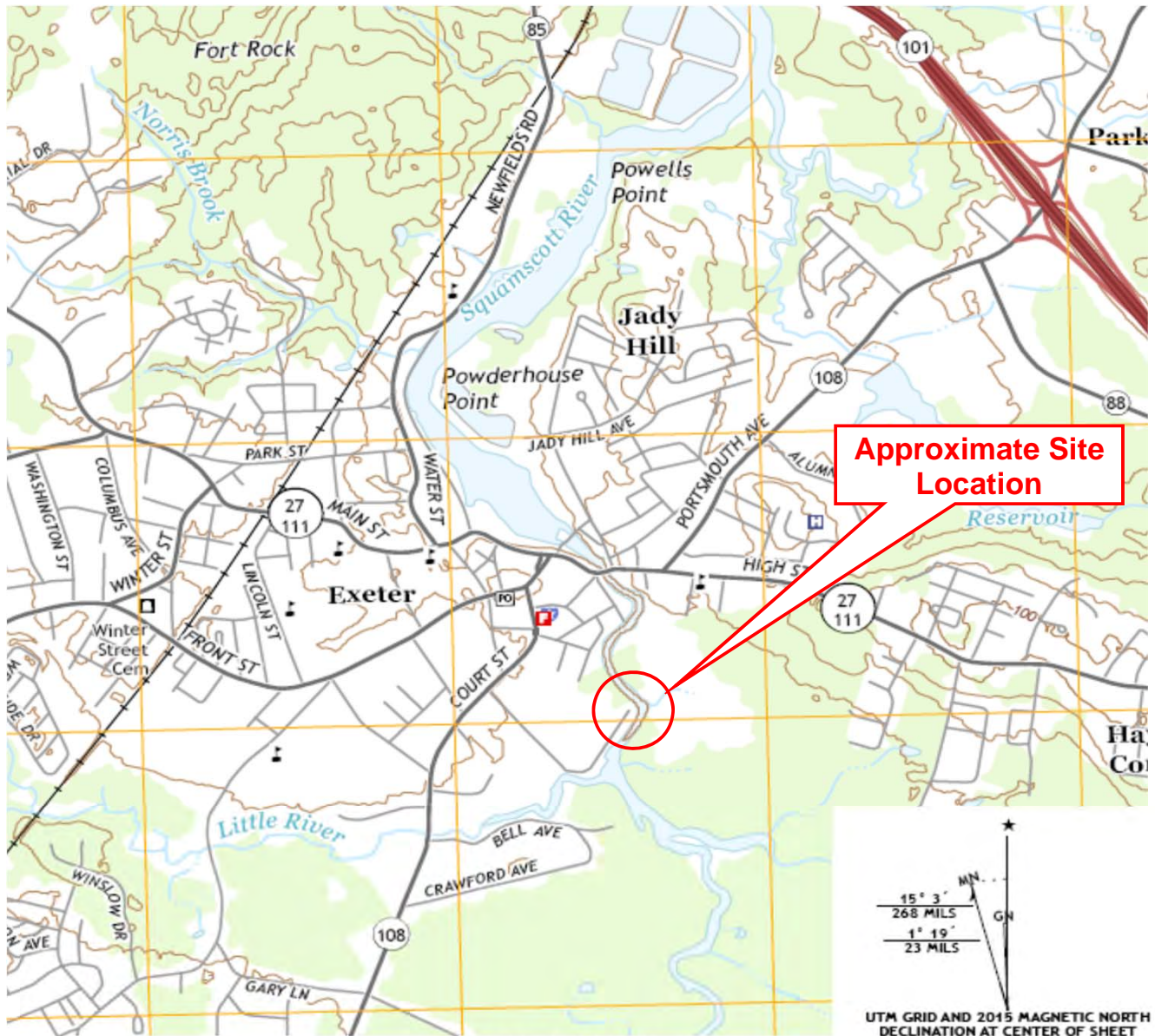
Total Postage and Fees \$11.80

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 10 FRONT ST.  
 EXETER, NH 03833

PS Form 3800, April 2015 PSN 7530-02-000-9047

See Reverse for Instructions





SCALE 1:24 000

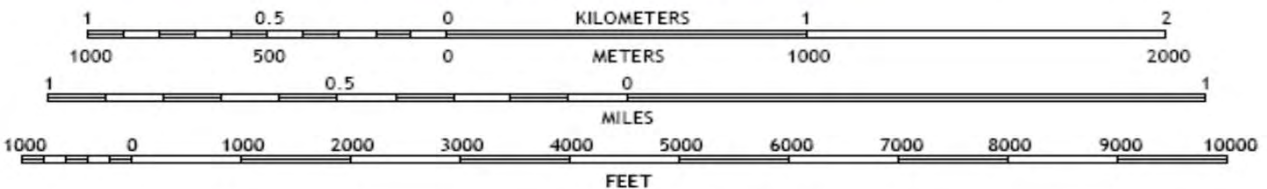


Image is excerpt of USGS Topographic Map of Exeter Quad, NH-MA, 2015.

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Revisions:

By: \_\_\_\_\_ Date: \_\_\_\_\_  
By: \_\_\_\_\_ Date: \_\_\_\_\_

SACE 00-1 (v. 1) 1/00

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Original Work: Phillips Exeter Academy Campus, Exeter, NH  
 By: NAO Date: September 17, 2019 Subject: Representative Photographs  
 Checked By: JET Date: September 17, 2019

<b>Photo No. 1</b>	<b>Description:</b>	Overview of bridge upstream face
Photo Date:	<u>4/24/2018</u>	



<b>Photo No. 2</b>	<b>Description:</b>	Overview of bridge downstream face
Photo Date:	<u>4/24/2018</u>	



<b>Photo No. 3</b>	<b>Description:</b>
Photo Date: 4/24/2018	Upstream right river bank



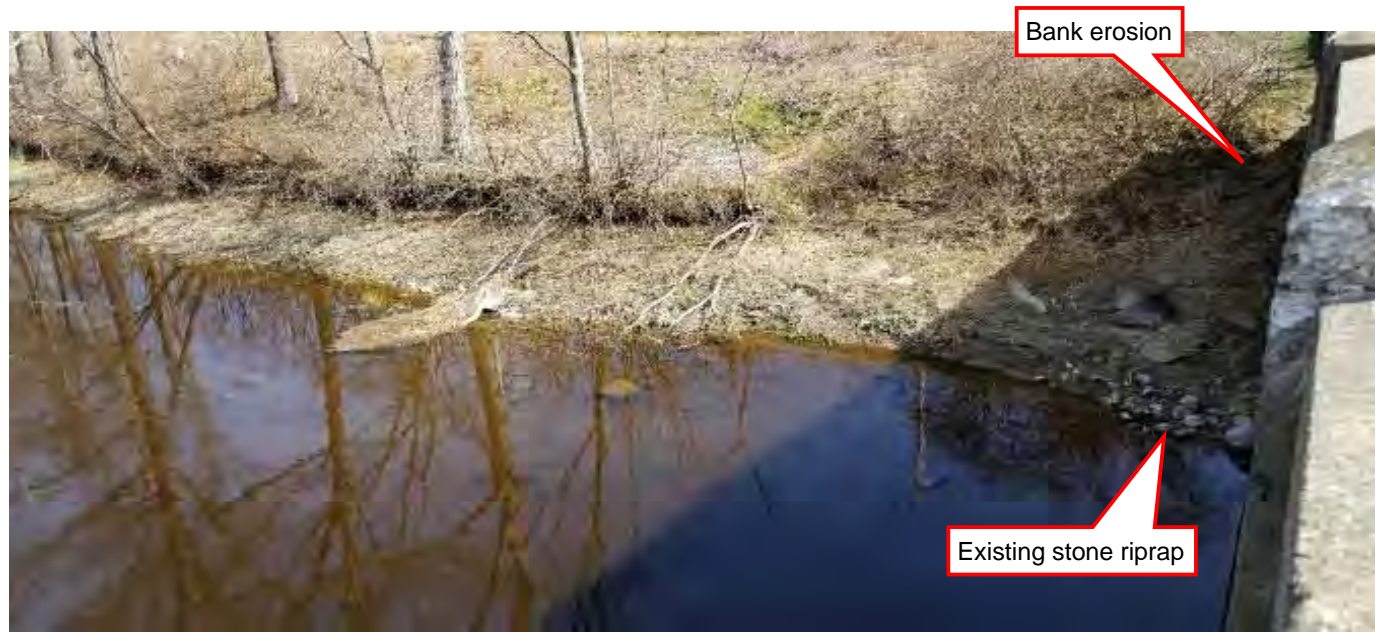
<b>Photo No. 4</b>	<b>Description:</b>
Photo Date: 4/24/2018	Upstream left river bank



<b>Photo No. 5</b>	<b>Description:</b>	Downstream left river bank
Photo Date:	4/24/2018	



<b>Photo No. 6</b>	<b>Description:</b>	Downstream right river bank
Photo Date:	4/24/2018	



<b>Photo No. 7</b>	<b>Description:</b>	Erosion at upstream left river bank
Photo Date:	11/30/2018	



<b>Photo No. 8</b>	<b>Description:</b>	Erosion at downstream right bridge abutment
Photo Date:	12/3/2018	



<b>Photo No. 9</b>	<b>Description:</b>	Overview of area left (southwest) of bridge
Photo Date:	4/24/2018	

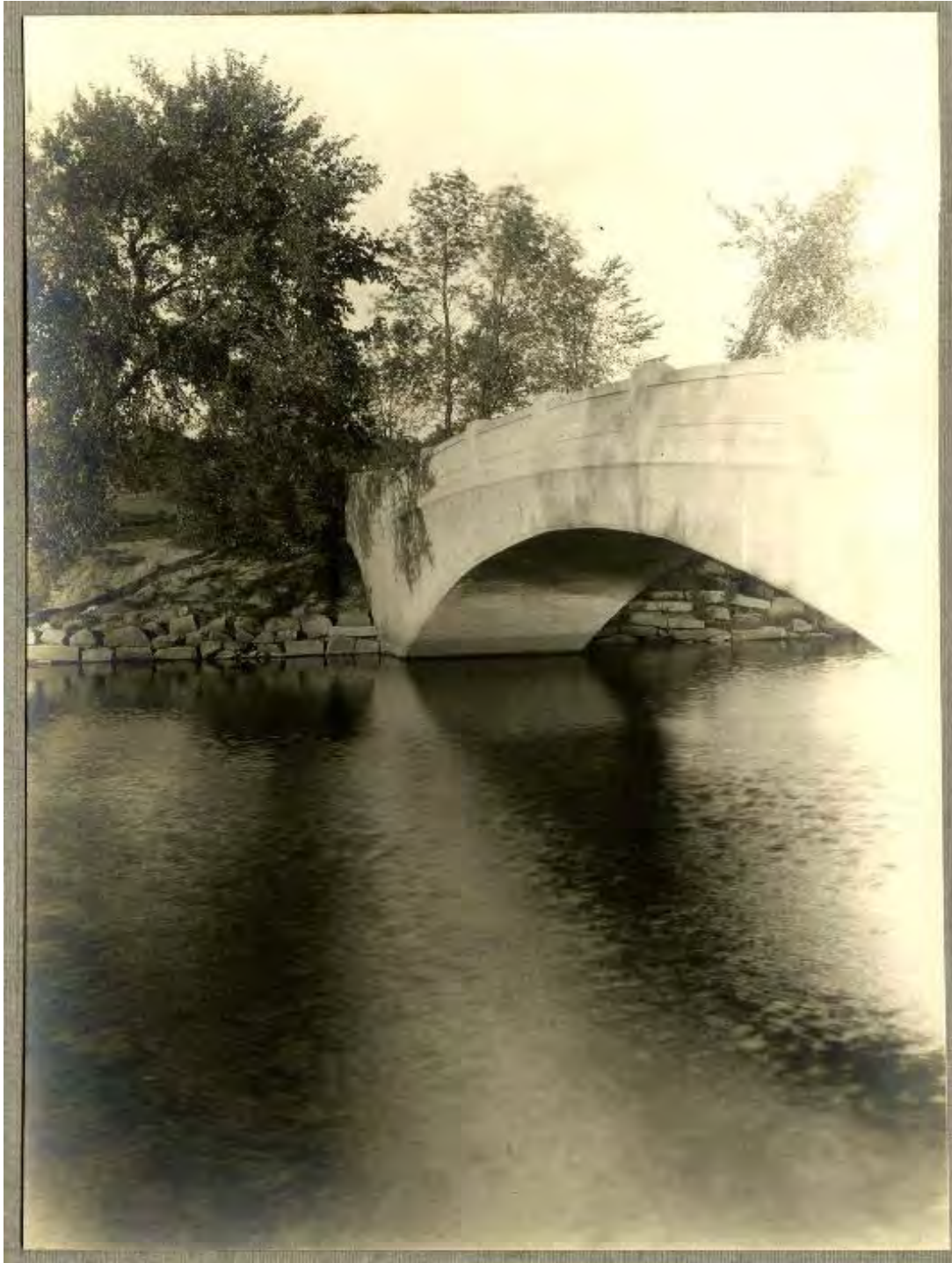


<b>Photo No. 10</b>	<b>Description:</b>	Overview of area right (northeast) of bridge
Photo Date:	12/3/2018	



Original Work: Phillips Exeter Academy Campus, Exeter, NH  
By: NAO Date: September 17, 2019 Subject: Representative Photographs  
Checked By: JET Date: September 17, 2019

<b>Photo No.</b> 11	<b>Description:</b> Historical Photograph of bridge, showing riprap and rock blocks at the abutment.
Photo Date: Undated	



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Revisions:

By: \_\_\_\_\_ Date: \_\_\_\_\_

By: \_\_\_\_\_ Date: \_\_\_\_\_

# CONFIDENTIAL – NH Dept. of Environmental Services review

## Memo



NH NATURAL HERITAGE BUREAU  
NHB DATACHECK RESULTS LETTER

**To:** Nathaniel Olson, Stephens Associates Consulting Engineers, LLC  
60 Northrup Drive  
Brentwood, NH 03833

**From:** Amy Lamb, NH Natural Heritage Bureau

**Date:** 3/31/2020 (valid for one year from this date)

**Re:** Review by NH Natural Heritage Bureau

NHB File ID: NHB20-0823

Town: Exeter

Location: Tax Maps: Map 71 Lot 119, Map 83 Lot 1

**Description:** The Project is to repair the existing Hill Bridge crossing the Exeter River, repair river bank erosion by bioengineering methods, and improve landscaping at the ends of the Bridge. Work in and adjacent to jurisdictional wetlands includes temporary sediment/erosion controls, temporary cofferdams, repair of riprap for erosion resistance, installation of vegetative bank stabilization by bioengineering methods, and concrete surface repairs to the Bridge.

**cc:** Kim Tuttle

As requested, I have searched our database for records of rare species and exemplary natural communities, with the following results.

**Comments:** There is a record for climbing hempvine, a State-Endangered species, south of the project area. This species was documented on a riverine island, but can also occur on vegetated riverbanks, and uses shrub species to support its vining growth habitat. Please send NHB photos of the existing riverbank conditions at the bridge location so that we may determine whether there is habitat for this species in the project area. Please also send existing and proposed conditions plans including any proposed planting plan. Information can be sent to me at [Amy.Lamb@dncr.nh.gov](mailto:Amy.Lamb@dncr.nh.gov). Contact the NH Fish & Game Department to address wildlife concerns.

Plant species	State <sup>1</sup>	Federal	Notes
climbing hempvine ( <i>Mikania scandens</i> )	E	--	Threats include changes to the hydrology (e.g., water levels) of its habitat and increased sedimentation or nutrients and pollutants in stormwater runoff.

Vertebrate species	State <sup>1</sup>	Federal	Notes
American Eel ( <i>Anguilla rostrata</i> )	SC	--	Contact the NH Fish & Game Dept (see below).
Blanding's Turtle ( <i>Emydoidea blandingii</i> )	E	--	Contact the NH Fish & Game Dept (see below).

<sup>1</sup>Codes: "E" = Endangered, "T" = Threatened, "SC" = Special Concern, "--" = an exemplary natural community, or a rare species tracked by NH Natural Heritage that has not yet been added to the official state list. An asterisk (\*) indicates that the most recent report for that occurrence was more than 20 years ago.

Contact for all animal reviews: Kim Tuttle, NH F&G, (603) 271-6544.

A negative result (no record in our database) does not mean that a sensitive species is not present. Our data can only tell you of known occurrences, based on

# CONFIDENTIAL – NH Dept. of Environmental Services review

## Memo



NH NATURAL HERITAGE BUREAU  
NHB DATACHECK RESULTS LETTER

information gathered by qualified biologists and reported to our office. However, many areas have never been surveyed, or have only been surveyed for certain species. An on-site survey would provide better information on what species and communities are indeed present.





CONFIDENTIAL – NH Dept. of Environmental Services review

NHB20-0823



## New Hampshire Natural Heritage Bureau - Plant Record

climbing hempvine (*Mikania scandens*)**Legal Status**

Federal: Not listed  
 State: Listed Endangered

**Conservation Status**

Global: Demonstrably widespread, abundant, and secure  
 State: Critically imperiled due to rarity or vulnerability

**Description at this Location**

Conservation Rank: Not ranked  
 Comments on Rank: --

Detailed Description: 2019: More than 100 individuals observed. Occupied approximately 3% cover within 20x40 meter area. 2001: Searched for 40 feet upstream and 150 feet downstream of Great Bridge on Spring Street. Not found. 1984: One large twining clump (present in 1983) and two new small plants. Numerous inflorescences. 1983: A single large clump of healthy, trailing and climbing stems. Numerous clusters of fertile heads. Specimens collected.

General Area: 2019: Vegetated island in Squamscott River. Associated species include silver maple (*Acer saccharinum*), American elm (*Ulmus americana*), red maple (*Acer rubrum*), silky dogwood (*Swida amomum*), reed canary grass (*Phalaris arundinacea*), purple loosestrife (*Lythrum salicaria*), white turtlehead (*Chelone glabra*), yellow iris (*Iris pseudacorus*), spotted touch-me-not (*Impatiens capensis*), robust bluejoint (*Calamagrostis canadensis* var. *canadensis*), and dodder (*Cuscuta* sp.). 1984: Rock outcrop covered in part and surrounded with river mud (silt). 1983: Supported by one boulder near the center of the exposed rocky river bed. Growing with water willow (*Decodon verticillatus*) and water-pepper smartweed (*Persicaria hydropiper*) nearby.

General Comments: --

Management Comments: 1983: Extreme fluctuations of water level (operation of the dam sluice gate) could destroy this colony, as could human activity (such as playing children) in the exposed river bed.

**Location**

Survey Site Name: Squamscott River at Exeter  
 Managed By:

County: Rockingham

Town(s): Exeter

Size: .2 acres

Elevation:

Precision: Within (but not necessarily restricted to) the area indicated on the map.

Directions: 2019: Vegetated island in Squamscott River on east side of String Bridge, Exeter. 1983: Squamscott River bed, below dam and above High Street Bridge (Rte. 101C), [ca. 250 feet downstream of (north of) Rte. 101 bridge].

**Dates documented**

First reported: 1983-08-25

Last reported: 2019-09-05









## James Turner

---

**From:** Tuttle, Kim <Kim.Tuttle@wildlife.nh.gov>  
**Sent:** Thursday, April 09, 2020 11:23 AM  
**To:** James Turner  
**Subject:** RE: NHB20-0823 Repair of Hill Bridge over Exeter River Exeter  
**Attachments:** SEEKING REPORTS OF RARE TURTLES.PDF

Jim,

The NHFG Nongame and Endangered Species Program has reviewed NHB20-0823 for the repair of the existing Hill Bridge crossing the Exeter River, and the repair of river bank erosion by bioengineering methods, and landscaping at the ends of the bridge. The NHB database identified the following protected wildlife species in the vicinity of the bridge: American Eel (*Anguilla rostrata*) SC – Blanding's Turtle (*Emydoidea blandingii*) E –  
1Codes: "E" = Endangered, "T" = Threatened, "SC" = Special Concern

Also, according to the NHFG Inland Fisheries fish survey database, there are also sea lamprey and redbfin pickerel present in the Exeter River, both of which are NH species of concern.

In order to avoid impacts to the state endangered Blanding's turtle, avoid the use of welded plastic or 'biodegradable plastic' netting or thread in erosion control matting. There are numerous documented cases of snakes and other wildlife being trapped and killed in erosion control matting with synthetic netting and thread. The use of erosion control berm, white Filtrexx Degradable Woven Silt Sock, or several 'wildlife friendly' options such as woven organic material (e.g. coco or jute matting such as North American Green SC150BN or equivalent) are readily available. Please let us know what specific product you intend on using.

**The Drawings specify Filtrexx Degradable Woven Silt Sock on sheet G-4, detail 1**

The following note should be prominently added to the plans along with a photo of Blanding's and spotted turtle (which is also a possibility here) that you may copy from the attached flyer:

Construction personnel should be aware of the potential to encounter spotted and Blanding's turtles, especially during turtle nesting season which extends from late May through the beginning of July. **IF SPOTTED OR BLANDING'S TURTLES ARE FOUND LAYING EGGS IN THE WORK AREA, PLEASE CONTACT MELISSA DOPERALSKI (603-479-1129 cell) or JOSH MEGYESY (cell 978-578-0802 or 271-1125 office) FOR FURTHER INSTRUCTIONS.**

**The Drawings include this note and photograph on sheet G-4, detail 4**

Chemical fertilizer and pesticide use (including herbicide) should be eliminated in the riparian zone as the Exeter River suffers from impaired water quality from nutrient and chemical runoff. Redfin pickerel depend on aquatic vegetation and can be eliminated by herbicide runoff from field applications. If any fertilizer use is planned, avoid chemical fertilizers in favor of products such as North Country Organics Pro-Gro 5-3-4, a general-purpose, slow release natural fertilizer.

**The Drawings include this requirement on sheet L-3, note 13**

Regards,

Kim Tuttle  
Wildlife Biologist  
NH Fish and Game  
11 Hazen Drive  
Concord, NH 03301  
603-271-6544

---

**From:** James Turner <jeturner@stephensengineers.com>  
**Sent:** Wednesday, April 8, 2020 11:55 AM  
**To:** Tuttle, Kim <Kim.Tuttle@wildlife.nh.gov>; Lamb, Amy <Amy.Lamb@dncr.nh.gov>  
**Cc:** Robert Stephens <rsstephens@stephensengineers.com>; Johnson, Ronald V. <rjohnson@exeter.edu>  
**Subject:** NHB 20-0823 Repair of Hill Bridge over Exeter River

**EXTERNAL: Do not open attachments or click on links unless you recognize and trust the sender.**

---

Hi Kim and Amy,

The results of initial NHB File 20-0823 review (attached) requested that we coordinate and further review the project with NHF&G and NHB. Please find attached a narrative and drawings for your use in reviewing the subject NHB file. If you need anything else, or have any questions, please call my mobile number below or contact us by email.

Thanks,

Jim

---

James E. Turner  
(PE registration in MA, CT, RI, NJ, PA, DE)  
Stephens Associates Consulting Engineers, LLC  
60 Northrup Dr.  
Brentwood, NH 03833  
Phone: 603-772-1417  
Fax: 603-772-1418  
Mobile 781-771-6543  
[jeturner@stephensengineers.com](mailto:jeturner@stephensengineers.com)  
[www.stephensengineers.com](http://www.stephensengineers.com)

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## NEW HAMPSHIRE NATURAL HERITAGE BUREAU

DIVISION OF FORESTS & LANDS - DNCR  
172 PEMBROKE ROAD, CONCORD, NH 03301  
(603) 271-2214 <https://www.nh.gov/nhdfl/>

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August 14, 2020

James E. Turner  
Stephens Associates Consulting Engineers, LLC  
60 Northrup Dr.  
Brentwood, NH 03833  
[jeturner@stephensengineers.com](mailto:jeturner@stephensengineers.com)

Re: Proposed repair of Hill Bridge over the Exeter River (NHB20-0823)

Mr. Turner:

The NH Natural Heritage Bureau (NHB), through the Rare Plant Protection Act of 1987 (RSA 217-A), works to study, protect, and provide information on native plant species and natural communities in New Hampshire. NHB determines the list of State Threatened and Endangered plants in New Hampshire, and maintains a comprehensive statewide database of these species, as well as exemplary natural communities and natural community systems. In cooperation with the NH Fish & Game Department's Nongame and Endangered Wildlife Program (Nongame Program), NHB also maintains the statewide database of threatened, endangered and special concern wildlife species.

NHB also provides environmental review letters (DataChecks) to screen projects subject to local, state, and federal permitting for potential impacts to threatened, endangered, and tracked species and exemplary natural communities. NHB provided a DataCheck, NHB20-0823, for the repair of the existing Hill Bridge that crosses the Exeter River, as well as repair of river bank erosion by bioengineering methods, and improving landscaping at the ends of the bridge. This work requires both NHDES Shoreland and Wetlands permits. The DataCheck letter included the following State-Listed plant species and State-Listed and tracked wildlife species:

Plant:

climbing hempvine (*Mikania scandens*), State Endangered

Wildlife:

American Eel (*Anguilla rostrata*), Special Concern

Blanding's Turtle (*Emydoidea blandingii*), State Endangered

*Please note, the remainder of this review will only address climbing hempvine, as the NH Fish & Game Department has jurisdiction over wildlife species.*

Climbing hempvine is a plant species with a vining habit that grows on vegetation along riverbanks and on vegetated islands within rivers. There is a population of this species downstream from the project area. NHB requested a plant survey for climbing hempvine since the vegetated banks of the Exeter River in the vicinity of the bridge would be impacted by the proposed project.

Brendan Quigley of Gove Environmental Services completed the survey on July 10, 2020. Prior to reviewing the site, Mr. Quigley first reviewed the known population downstream to obtain a search image of the plant and verify that it would be identifiable at that time. The downstream population was confirmed and photographed. Impact areas surrounding Hill Bridge were then surveyed, but no climbing



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## NEW HAMPSHIRE NATURAL HERITAGE BUREAU

DIVISION OF FORESTS & LANDS - DNCR

172 PEMBROKE ROAD, CONCORD, NH 03301

(603) 271-2214 <https://www.nh.gov/nhdf/>

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hempvine was observed. NHB concurs with the surveyor's assessment that no climbing hempvine occurs within the project area, and has no further concerns about impacts to this species.

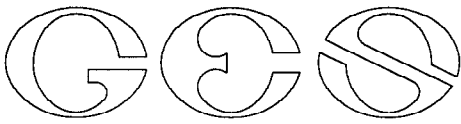
NHB also reviewed the proposed planting plan for the site to ensure that the proposed seed mix contained only native species, if possible. The originally proposed seed mix contained New York ironweed, which does not occur naturally in NH. NHB recommended that the proposed seed mix be changed to a "New England Roadside Matrix Wet Meadow" seed mix that does not contain New York ironweed. Provided that this species mix, as specified in the attachment, is utilized onsite, NHB has no further concerns about the project.

Please contact me if the project should change to include additional impact areas, or if the proposed seed mix is not available.

Sincerely,

Amy Lamb, Ecological Information Specialist, Natural Heritage Bureau

Attachment



September 20, 2018

Ron Johnson  
Senior Manager for Grounds & Athletics  
Phillips Exeter Academy  
20 Main Street  
Exeter, NH 03833

Re: Hill Bridge, Phillips Exeter Academy  
Subject: Wetland Survey

Dear Mr. Johnson;

Per your request, this letter is to verify that Gove Environmental Services, Inc., performed a site inspection to identify wetlands at the above-referenced Location. Wetlands were evaluated utilizing the following standards:

1. US Army Corps of Engineers Interim Regional Supplement to the Corps of Engineers Wetland Delineation Manual: North central and Northeast Region, Technical Report ERDC/EL TR-10-19 (Oct 2010).
2. Field Indicators of Hydric Soils in the United States, A Guide for Identifying and Delineating Hydric Soils, Version 7.0. United States Department of Agriculture (2010).
3. North American Digital Flora: National Wetland Plant List, Version 2.2.1 (2009).
4. Classification of Wetlands and Deepwater Habitats of the United States. USFW Manual FWS/OBS-79/31 (1979).

As you are aware I delineated this same area in 2014, prior to the removal of the dam in the center of town. Some question remained as to whether or not the delineation would change based on the resulting lowering of the river. Based on the requirements of the NH DES Wetlands Bureau and the jurisdiction of Rivers occurring at the level of either the ordinary high water mark or the top of bank, the delineation of 2014 is still accurate and should be used for any project moving forward.

Please let me know if you have any questions

Sincerely,

Luke D. Hurley, CWS, CSS  
Vice President  
Gove Environmental Services, Inc.