



TOWN OF EXETER, NEW HAMPSHIRE

10 FRONT STREET • EXETER, NH • 03833-3792 • (603) 778-0591 • FAX 772-4709

www.exeternh.gov

PUBLIC NOTICE EXETER CONSERVATION COMMISSION Site Walk

The Exeter Conservation Commission will meet at 24 Powdermill Road to consider agenda items 3.
The group will meet at 24 Powdermill Road on **July 11th, 2023 at 5:00 P.M.**

PUBLIC NOTICE EXETER CONSERVATION COMMISSION Monthly Meeting

The Exeter Conservation Commission will meet in the Nowak Room, Exeter Town Offices
at 10 Front Street, Exeter on **Tuesday, July 11th, 2023 at 7:00 P.M.**

Call to Order:

1. Introduction of Members Present
2. Public Comment

Action Items:

1. Drinking Water Trust Fund Grant Application for Conservation Land (Southeast Land Trust/Trust for Public Lands)
2. Wetland Dredge and Fill application for the Bank Stabilization along the Exeter River at River Run at Exeter, Tax Map 104/79 (*Paige Libbey*)
3. Minimum Impact Expedited Wetland Dredge and Fill application for 772 square feet of wetland impact and a Wetland Conditional Use Permit associated with the construction of a residential driveway for a new single-family house at 24 Powdermill Road – Tax Map 102-04 (Daniel Coons)
4. Minimum Impact Expedited Wetland Application for Epping Road Expansion (Peter Walker, VHB)
5. Conceptual discussion on the construction of commercial vehicle storage area for Foss Motors at Tax Map 52/Lot 112.2 (*Christian Smith*)
6. Committee Reports
7. Approval of Minutes: Jun 13th, 2023 Meeting
8. Correspondence
9. Other Business
10. Next Meeting: Date Scheduled 8/8/23, Submission Deadline 7/28/23)

Andrew Koff

Exeter Conservation Commission

Posted July 7th, 2023 Exeter Town Website www.exeternh.gov and Town Office kiosk.

ZOOM Public Access Information:

Virtual Meetings can be watched on Ch 22 or Ch 98 and YouTube.

To access the meeting, click this link: <https://us02web.zoom.us/j/81547151492>

To access the meeting via telephone, call: +1 646 558 8656 and enter the Webinar ID: 815 4715 1492

Please join the meeting with your full name if you want to speak.

Use the "Raise Hand" button to alert the chair you wish to speak. On the phone, press *9.

More instructions for how to access the meeting can be found here:

<https://www.exeternh.gov/townmanager/virtual-town-meetings>

Contact us at extvg@exeternh.gov or 603-418-6425 with any technical issues.

**TOWN OF EXETER
PLANNING DEPARTMENT MEMORANDUM**

Date: July 7th, 2023
To: Conservation Commission Board Members
From: Kristen Murphy, Natural Resource Planner
Subject: July 11th Conservation Commission Meeting

Trust of Public Lands

In June 2021 the Commission discussed this project as a potential conservation property. At the time we also discussed the existence of an ownership dispute between the Town and the Rugg family on a portion of the parcels in Exeter and that work was under way by the Rugg family to clarify this. No resolution has been reached at the time of writing this memo. A meeting is scheduled with the Town manager and the owners during the afternoon of July 11th and we anticipate receiving a preliminary survey plan and title report from the Rugg family at that time.

In 2021, the Commission expressed support for working with SELT to consider potential conservation of the Rugg property once ownership has been resolved to clarify which parcels would be considered. SELT has partnered with The Trust for Public Lands (TPL) who has taken the lead on the project. TPL is preparing a Drinking Water Trust Fund grant eligibility application to evaluate whether the proposed project is eligible for future grant funding. This work is being done with the caveat that prior to any acquisition, a resolution will need to be reached between the Town and the Rugg family. They are seeking a letter in support of applying to determine project eligibility.

Suggested Motion:

To authorize the Chair to send a letter indicating Conservation Commission support for filing an eligibility application for the Drinking Water Trust Fund grant.

This motion is made with the caveat that any future application would be submitted only after ownership has been resolved.

River Run Bank Stabilization

In 2009, 2012 and 2019 there have been 3 erosion events on this property resulting from water line breaks that triggered bank failure. Both the Building Inspector and I were onsite to inspect all 3 failure events. Apart from removal of the residential structures, and some tree removal/trimming, the former owner did not complete any work to stabilize the sites. The property is now under new ownership and they are working to design bank stabilization plans for 3 separate locations where the bank failures occurred. As the application mentions site 2 also includes a river access path. It is unclear what the surface material is proposed to be.

Dave and I consulted on the bank stabilization project and determined it did not need a conditional use permit because it is repairing/restoring an already impacted buffer in a manner that will result in an improvement to the functions the shoreland protection district is designed to protect.

This wetland application was presented to ESRLAC who provided this comment to NHDES:

The Exeter-Squamscott River Local Advisory Committee (ESRLAC) met with Paige Libbey of Jones & Beach Engineers on June 27th to review the Wetlands Permit Application filed by Cobblestone Assets, 12 Sir Lancelot Dr., Exeter. ESRLAC does not support the work proposed in the permit application. ESRLAC recommends the applicant complete a stormwater analysis for the entire property before initiating the bank stabilization described in the application.

The plans filed with the permit application identify three sites where bank stabilization is proposed. According to Ms. Libber, the erosion at sites one and three are the result of stormwater runoff created by changes in the landscape after a water main failure. Little else seems to be known about stormwater management on the property and ESRLAC believes an understanding about runoff from the site is needed before bank stabilization plans can be designed.

I did clarify with Theresa that I was present to inspect all 3 sites at the time of failure and in all 3 cases it was waterline failure, not the stormwater structures that caused bank failure.

Suggested Motion: Send a memo to the State indicating:

_____ *We have reviewed this application and have no objection to the application as proposed.*

_____ *We have reviewed this application and recommend that the application be (approved)(denied) as noted below:*

24 Powdermill Rd:

This lot was created through a subdivision approval by the Planning Board at their May 25th meeting and included a 20' wide driveway easement coming off the existing driveway. The plans submitted for the June Conservation Commission meeting showed a driveway from Powdermill Rd. At the time of application, I noted the original shared-drive route would provide access without wetland impacts and expressed a concern the project would not meet the least impactful alternative criteria. Upon the applicant's request, the application was not acted on at the June CC meeting. The wetland scientist re-inspected the site and submitted revised wetland plans on June 20th. The revision expanded a finger of wetland into the driveway easement area. I thought the state application review time would be modified to the revised submission date but NHDES indicated this was not the case and issued the wetland application on June 26th. The revised access still requires a conditional use permit from the town.

Suggested Motion for Wetland Conditional Use Permit:

_____ *We reviewed this application and feel the need to **table the application to a date certain** due to insufficient information on criteria necessary for the Commission to make a recommendation to the planning board as noted below: We recommend the required information be submitted by the next meeting submission deadline of _____ to be heard at the _____ conservation commission meeting date.*

_____ *We have reviewed this application and have **no objection** to the approval of the conditional use permit as proposed.*

_____ *We have reviewed this application and recommend that the wetland conditional use permit be **(approved with conditions) (denied)** as noted below:*

Epping Road

The Town is proposing to widen Epping Road from Continental Drive to just north of Cronin Road. Expansion requires 878 SF of permanent wetland impact and 798 SF of temporary wetland impacts visible starting on Sheet 8 of 15. A single vernal pool was documented outside of the impact area. NHB requests surveys for slender blue iris beardless iris in the project area.

Potential Condition: Recommend a condition that surveys for slender blue beardless iris are conducted and results provided to NHB and the Planning Department before work begins.

Suggested Motion for State Wetland Expedited Application:

_____ *We have reviewed this application and **agree to waive our right to intervene** in the application as proposed and authorize the Chair to sign the application on our behalf.*

_____ *We have reviewed this application and authorize the chair to send a memo that recommends the wetland application be **(approved with conditions) (denied)** as noted below:*

127 Portsmouth Ave Conceptual:

The applicant wishes to present the project to you for your feedback. Neither the applicant nor the Board shall be bound by these discussions. No motions/board action is required but comments could help the applicant understand the best approach moving forward. For details refer to the letter and site plan concept in your packet.

Proposed Newfields-Exeter Community Forest
Rugg Property Acquisition
Project Plan, June 2023

Background

* PLEASE REFER TO MEMO FOR NOTE ON OWNERSHIP

The Rugg family owns* an approximately 170-acre parcel of land between the towns of Newfields and Exeter in Rockingham County, New Hampshire. The property includes a house, plant nursery, woodlands, and extensive trail system. The Ruggs have owned and stewarded the property for three generations, starting with Olive and Donald Rugg who moved to the area in the mid 1900's and first established the trails, and now continued by Derek Rugg and his wife Nadine Rugg, and Cheri (Rugg) Ludwig and her husband Keith Ludwig. The property has miles of established trails, which the family generously opens to public use for mountain biking, trail running, walking/ hiking, cross-country skiing, and snowshoeing. These trails form part of an extensive and highly popular regional trail network that continues onto adjacent town forest lands owned by Newfields and Exeter. The trails on the property and adjacent town lands are maintained by volunteers from the Fort Rock Riders mountain biking club.

Project Description

The project is the proposed purchase of **148 acres** of the 170-acre Rugg property by the towns of Newfields and Exeter. The goals of the project are to expand adjacent town forest lands, protect and secure public access to the northern part of the popular Fort Rock trails network, protect water quality for two nearby public drinking water wells, and avoid the costs and impacts of a new rural subdivision.

- **Newfields portion (addition to Inland Acres Town Forest): 101 acres**
- **Exeter portion (addition to Oakland Town Forest): 47 acres**

The remaining 22 acres around the Rock Crest Nursery will be retained by the Rugg family.

Following purchase, a new and much-needed trailhead and parking area is proposed along Piscassic Road in Newfields to improve public access.

Goals of the Project

1. Expand existing town forest lands by 33% for public recreation, open space and wildlife (148 acres added to 488 acres of existing town forest to create a 636-acre block).
2. Protect 25% of a highly popular, multi-use hiking and biking regional trail network (12 miles out ~50 miles of trail are located on the proposed property).
3. Protect water quality within two impaired coastal watersheds and a wellhead protection area of two public drinking water wells.
4. Improve public access to the trail network through a new trailhead and parking area.
5. Establish a community forest where the community has input into use and management.

Recreational Values and Fort Rock Trail Network

There is a 50-mile multi-use public trail network across the Rugg property and three adjacent, connected town forests known as the Fort Rock Trails. Estimated breakdown of trails and town forest acreage:

- Rugg property (proposed for conservation): 148 acres, est. 12 miles of trail
- Inland Acres Town Forest (Newfields): 40 acres, est. 3 miles of trail – adjacent to Rugg property

- Oakland Town Forest (Exeter): 200 acres, est. 20 miles of trail – adjacent to Rugg property
- Henderson Swasey Town Forest (Exeter): 220 acres, est. 15 miles of trail – across highway 101

TOTAL: approximately 600 acres of town forest lands, and 50 miles of trail

The trail network is highly popular and regionally known for mountain biking, with miles of purpose-built single-track trails. It used by an estimated several thousand bikers per month. The trail network also supports walking/ hiking, trail running, snowshoeing, cross-country skiing, and snowmobiling when snow cover is sufficient.

The Oakland Town Forest in Exeter is accessible by four public parking areas, while the Inland Acres Town Forest in Newfields has one small parking area that is often full. There is no existing parking from the north side of the trail network in Newfields.

Fork Rock Riders, the local mountain biking club, generously volunteers to maintain the Fort Rock trail system including trails on the Rugg property. Projects range from simple drainage work to building significant bridges, boardwalks and miles of new single-track trails. Funds for this work are raised by the volunteers of Fort Rock Riders. For Rock Riders grooms the trails in the wintertime, and had a fundraising effort to purchase a trail groomer, where they exceeded the goal in a matter of days, demonstrating strong local support of their trail efforts.

Development Risk

The family would like to sell the land for conservation and that is their primary goal. However, if the property is not sold for conservation, subdivision and development is their fallback option. The family has retained an engineer to develop a 67-lot subdivision plan that has been preliminarily discussed with the Newfields Planning Board. The subdivision plan has been revised several times and was considered within the appraisal.

Community Forest Planning & Public Process

The future use and management of the property after it is acquired by the towns is anticipated to look much the same as it does today, including the multi-use recreational trails open to the public and trail maintenance generously provided by Fort Rock Riders volunteers. Still, a key element of the project will be engaging the community to provide input on public uses and management moving forward.

Community Forest Planning Meetings

A series of public planning meetings will held to gain input from the local community on recreation uses, trails, forest management, education/ youth engagement, and other ideas for the community forest. The Committee will be organized by the Trust for Public Land (or consultant), the Newfields Conservation Commission, and Fort Rock Riders, and will be open to residents from both towns and members of the public.

Community Forest Management Plan

A Community Forest Management Plan will be developed at the end of the public planning process based on input from the public and natural resource professionals. The Management Plan will address recreational uses, trail planning and maintenance, wildlife habitat protection, and any forestry activities.

Community Forest Committee

Through the planning process, a governance structure will be established to ensure long-term

management of the community forest according to the Management Plan and with input from the public. The current plan is to establish a Community Forest Committee within the Newfields Conservation Commission, or potentially jointly hosted by the Newfields and Exeter Conservation Commissions. An agreement between Fort Rock Riders and the two towns may also be developed to formalize trail maintenance.

Estimated Timeline

2023	
January to March	Initial planning and project development - DONE
February 1	Meet with Newfields Con Comm - DONE
April 25	Meet with Newfields Select Board - DONE
May 17	LCHIP pre-application deadline (Newfields) - DONE
June 1	Clean Water SRF pre-application deadline (Newfields) - DONE
June 2	LWCF pre-application deadline (Newfields) - DONE
June 13	Yellowbook Appraisal - DONE
June 21	LCHIP full application deadline (Newfields) - DONE
July 28	DWGTF pre-application deadline (Exeter) - UNDERWAY
July 11	Initial meetings with Exeter Con Comm and Town Manager - PLANNED
July 18	First Newfields Public Meeting – PLANNED
July	Sign Option Agreement
July	Title and boundary issues with Exeter resolved – UNDERWAY
August	Second Newfields Public Meeting – TBD
September 7	LCHIP Site Visit scheduled
September 8	DWGTF full application deadline (Exeter)
August	Begin private fundraising campaign
Fall	Additional public meetings as needed to prep for bond requests
November	LCHIP grant decision notice
December	DWGTF grant decision notice
2024	
January to March	Prepare for town budget meetings/ bond request
February	CFP Application Deadline
March	Town budget meetings/ bond referendums (both Newfields and Exeter, TBD)
May to October	Community forest planning public meetings (monthly)
September	CFP grant decision notice
September	LWCF grant decision notice
November	LCHIP grant decision notice (if deferred)
Throughout 2024	Due diligence: title, survey, environmental, updated appraisal (6 months) Agency review of due diligence (5 months)
2025	
January	Agencies review and approve due diligence
March 30, 2025*	Option Deadline
Within 90 days*	Closing Deadline
TBD	Build trailhead/ parking area on Piscassic Road

NOTE: This timeline assumes successfully securing four public grants in the first application round, and large conservation bonds approved by both towns.

*Potential to close Exeter portion ahead of Newfields portion, to be discussed with Exeter.

Structure of Transaction

TPL will hold Option Agreements with the landowners (one for the Newfields portion, one for the Exeter portion) that gives TPL the option but not obligation to purchase the property, pending successful fundraising, due diligence, and town and TPL approvals. If exercised, TPL will then proceed with closing and direct the deed to each town. The Option Agreements will allow for the two transactions to occur simultaneously, or the Exeter transaction may occur first (but not vice versa).

Estimated Cost & Funding Sources

An initial appraisal compliant with federal appraisal standards (“yellow book”) found the Fair Market Value of the 147.6 acres to be \$5,166,000 as of June 2, 2023. Allocating this on a per acre basis between the two towns, the Newfields estimated land cost is \$3,524,500 for the 100.7 acres in Newfields; and the Exeter estimated land cost is \$1,641,500 for the 46.9 acres in Exeter. Please note that this per acre allocation is an estimate and subject to change based on a final appraisal. Please also note that the proposed funding listed below is for the purchase price of the land only. Additional projects costs will be fundraised through other public grants and private philanthropy.

Proposed Funding Sources	Amount	Source
<i>Newfields</i>		
USFS Community Forest Program (CFP)	\$600,000	Federal
NH Land and Community Heritage Investment Program (LCHIP)	\$500,000	State
NH DES Clean Water State Revolving Fund (SRF) Loan (with some principal forgiven)	\$2,424,500	State/ Local
Town of Newfields bond	Only if SRF not awarded	Local
NH Parks & Recreation Land and Water Conservation Fund (LWCF)*	\$500,000	Federal
Total Estimated Land Cost: Newfields	\$3,524,500	
<i>Exeter</i>		
NH DES Drinking Water and Groundwater Trust Fund (DWGTF)	\$500,000	State
Town of Exeter bond	\$1,141,500	Local
Total Estimated Land Cost: Exeter	\$1,641,500	

*The LWCF grant is a backup, as the timeline may not work for the project – TBD after further consultation with the LWCF program.

Project Team and Partner Roles

Trust for Public Land (TPL), Project Manager: Leads real estate transaction (including agreement with landowners, due diligence, and agency review), fundraising and grants, and community forest planning.

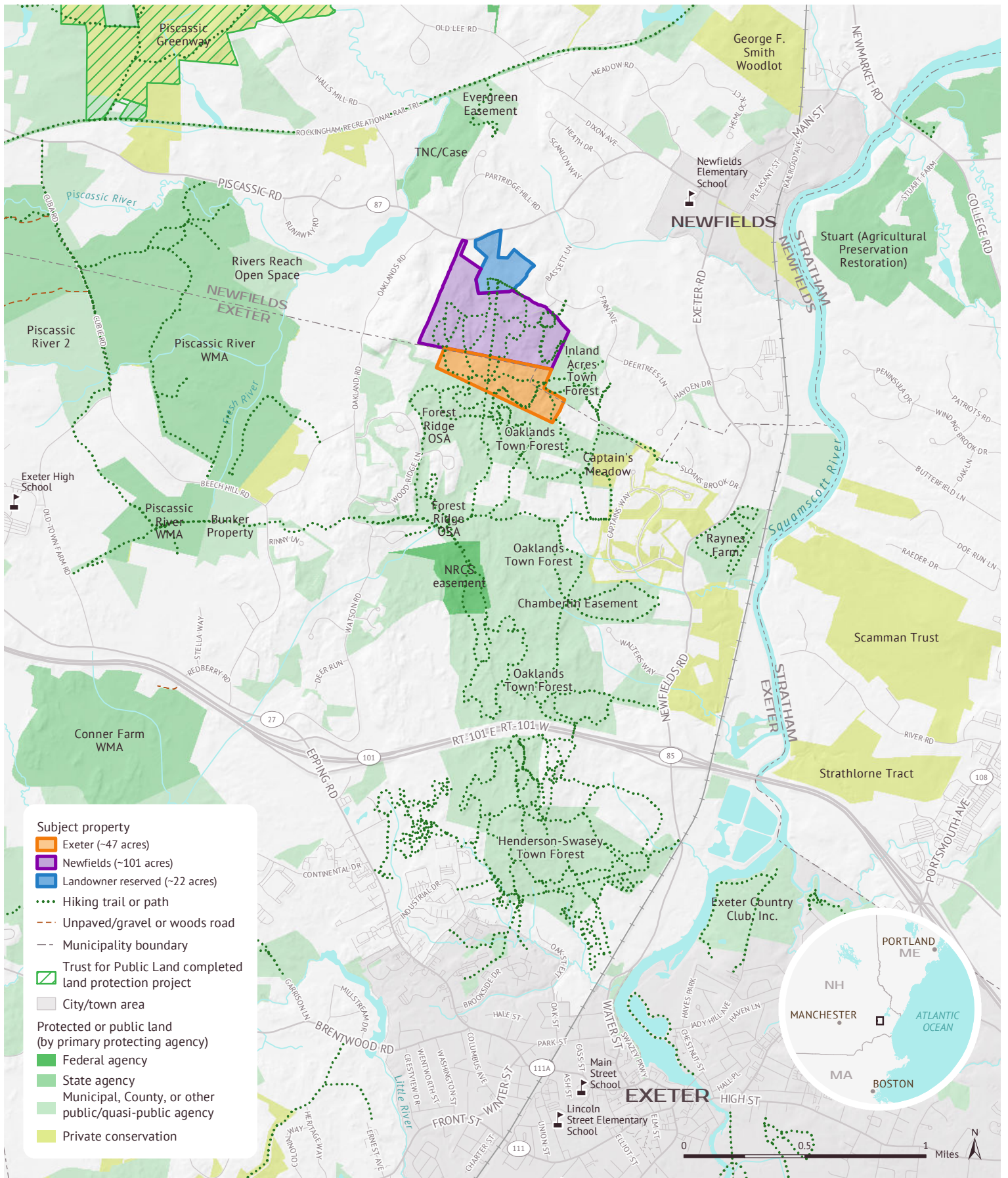
Southeast Land Trust (SELT), project support: Assists with local relationships, town meetings, community forest planning, and new trailhead/ parking area planning.

Newfields Conservation Commission, future landowner/ land manager: Facilitates town review and approvals, town bond funding, public meetings, management plan, and Community Forest Committee.

Exeter Conservation Commission, future landowner/ land manager: Facilitates town review and approvals, town bond funding, public meetings, and management plan.

Fort Rock Riders volunteer group, trail maintenance: Facilitates trail planning and maintenance, new trailhead/ parking area planning, and local relationships.

Landowner: Participates in community forest planning, provide survey and title research, provide other information needed for real estate transaction and due diligence.



Town Forests and Trails Map

Proposed Newfields-Exeter Community Forest Expansion

ROCKINGHAM COUNTY, NEW HAMPSHIRE

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Primary Photo: Aerial view toward nursery (area of potential subdivision)



Secondary Photo: Bikers on trails



Note: all photos were taken on/ of the Rugg property by Jerry Monkman, Ecophotography

Photo 1: Drone/ aerial view of forest



Photo 2: Drone/ aerial view of forest



Photo 3: Trail boardwalk over wetland



Photo 4: Drone/ aerial view of wetland



Photo 5: Hikers on boardwalk



Photo 6: Forested wetland



Photo 7: Forested wetland



Photo 8: Hikers on trails

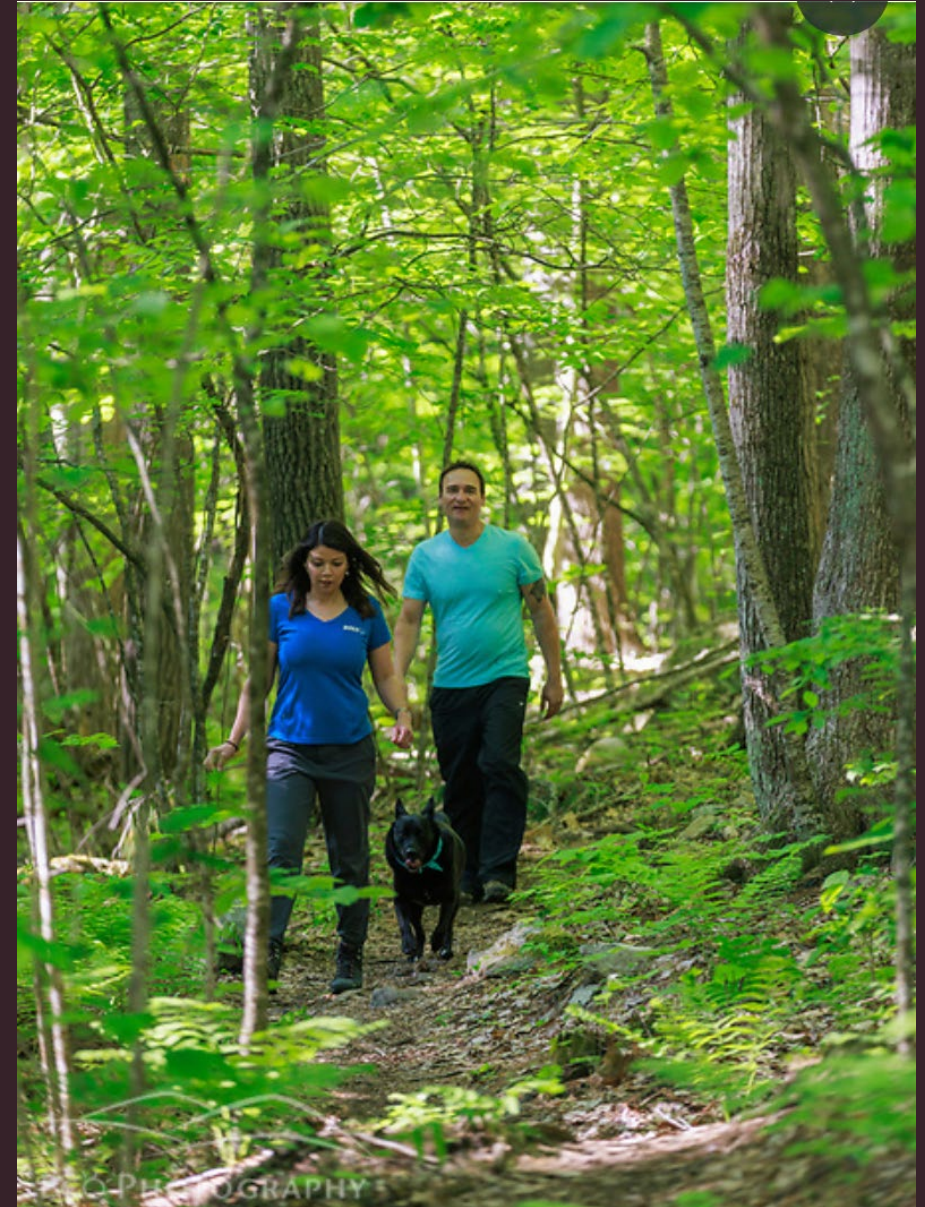


Photo 9: Volunteer trail maintenance crew



Photo 10: Bikers on purpose-built mountain biking trails



JONES & BEACH ENGINEERS INC.

85 Portsmouth Avenue, PO Box 219, Stratham, NH 03885
603.772.4746 - JonesandBeach.com

May 31, 2023

N.H. Department of Environmental Services
Wetlands Bureau
Attn. Eben Lewis
29 Hazen Drive, P.O. Box 95
Concord, N.H. 03302-0095

**Re: Wetlands and Non-Site Specific Permit
River Run at Exeter, Exeter, New Hampshire
Tax Map 104, Lot 79
JBE Project No. 11188.1**

Dear Mr. Lewis,

On behalf of our client and property owner, Cobblestone Assets, Jones & Beach Engineers, Inc., respectfully submits design plans for the Bank Stabilization along Exeter River. The project proposes the stabilization of an eroded bank of Exeter River. Erosion stabilization includes the construction of vegetated gabions, coir logs with plantings, and a minor natural bioengineered erosion control system composed of log piles and tree tops all of which provide suitable natural habitats in addition to stabilizing the slope.

The following items are provided in support of this Wetlands Application:

1. Letter of Authorization.
2. Completed Wetlands Application Form, Attachment A, Bank/Shoreline Stabilization, Wetland Functional Assessment, Avoidance & Minimization Checklist
3. NHPGP, Appendix B
4. NHB Report.
5. USGS Map.
6. Deed representing ownership.
7. Tax Card.
8. Tax Map.
9. Photos.
10. Abutters List, Letter and Certified Mail Receipts.
11. Check in the amount of \$4,982.00 for review fees.
12. Two (2) complete full-size plans.

JONES & BEACH ENGINEERS INC.

85 Portsmouth Avenue, PO Box 219, Stratham, NH 03885
603.772.4746 - JonesandBeach.com

Please feel free to contact me by email at plibbey@jonesandbeach.com with any questions or comments during your review.

Very truly yours,
JONES & BEACH ENGINEERS, INC.




Paige Libbey, P.E.
Associate / Project Manager

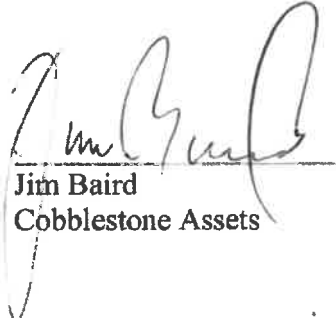
cc: Michelle Hamilton, Cobblestone Assets (application and plans via email)

Letter of Authorization

I, Jim Baird, Cobblestone Assets, 12 Sir Lancelot Drive, Exeter, NH 03833, facilities manager of property located in Exeter, NH, known as Tax Map 104, Lot 79, do hereby authorize Jones & Beach Engineers, Inc., PO Box 219, Stratham, NH, to act on my behalf concerning the previously-mentioned property. The parcel is located at River Run in Exeter, NH.

I hereby appoint Jones & Beach Engineers, Inc., as my agent to act on my behalf in the review process, to include any required signatures.


Witness


Jim Baird
Cobblestone Assets

4/29/2022
Date





**STANDARD DREDGE AND FILL
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: Cobblestone Assets

TOWN NAME: Exeter

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

A person may request a waiver of the requirements in Rules Env-Wt 100-900 to accommodate situations where strict adherence to the requirements would not be in the best interest of the public or the environment but is still in compliance with RSA 482-A. A person may also request a waiver of the standards for existing dwellings over water pursuant to RSA 482-A:26, III(b). For more information, please consult the [Waiver Request Form](#).

SECTION 1 - REQUIRED PLANNING FOR ALL PROJECTS (Env-Wt 306.05; RSA 482-A:3, I(d)(2))
Please use the [Wetland Permit Planning Tool \(WPPT\)](#), the Natural Heritage Bureau (NHB) [DataCheck Tool](#), the [Aquatic Restoration 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.

Has the required planning been completed?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Does the property contain a PRA? If yes, provide the following information:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<ul style="list-style-type: none"> Does the project qualify for an Impact Classification Adjustment (e.g. NH Fish and Game Department (NHF&G) and NHB agreement for a classification downgrade) or a Project-Type Exception (e.g. Maintenance or Statutory Permit-by-Notification (SPN) project)? See Env-Wt 407.02 and Env-Wt 407.04. 	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<ul style="list-style-type: none"> Protected species or habitat? <ul style="list-style-type: none"> If yes, species or habitat name(s): Northern Long-eared Bat, Monarch Butterfly NHB Project ID #: NHB23-0483 	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<ul style="list-style-type: none"> Bog? 	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<ul style="list-style-type: none"> Floodplain wetland contiguous to a tier 3 or higher watercourse? 	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<ul style="list-style-type: none"> Designated prime wetland or duly-established 100-foot buffer? 	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<ul style="list-style-type: none"> Sand dune, tidal wetland, tidal water, or undeveloped tidal buffer zone? 	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Is the property within a Designated River corridor? If yes, provide the following information:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<ul style="list-style-type: none"> Name of Local River Management Advisory Committee (LAC): Exeter A copy of the application was sent to the LAC on Month: <u>6</u> Day: <u>6</u> Year: <u>2023</u> 	

lrn@des.nh.gov or (603) 271-2147

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

www.des.nh.gov

For dredging projects, is the subject property contaminated? • If yes, list contaminant: _____	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Is there potential to impact impaired waters, class A waters, or outstanding resource waters?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
For stream crossing projects, provide watershed size (see WPPT or Stream Stats): _____	
SECTION 2 - PROJECT DESCRIPTION (Env-Wt 311.04(i)) Provide 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"; please use the space provided below.	
The project proposes the stabilization of an eroded bank of Exeter River. Erosion stabilization includes the construction of vegetated gabions, coir logs with plantings, and a minor natural natural bioengineered erosion control system composed of log piles and tree tops all of which provide suitable natural habitats in addition to stabilizing the slope.	
SECTION 3 - PROJECT LOCATION Separate wetland permit applications must be submitted for each municipality within which wetland impacts occur.	
ADDRESS: <u>River Run at Exeter</u>	
TOWN/CITY: <u>Exeter</u>	
TAX MAP/BLOCK/LOT/UNIT: <u>104/79</u>	
US GEOLOGICAL SURVEY (USGS) TOPO MAP WATERBODY NAME: <u>Exeter River</u> <input type="checkbox"/> N/A	
(Optional) LATITUDE/LONGITUDE in decimal degrees (to five decimal places): _____ ° North _____ ° West	

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

SECTION 4 - APPLICANT (DESIRED PERMIT HOLDER) INFORMATION (Env-Wt 311.04(a))		
If the applicant is a trust or a company, then complete with the trust or company information.		
NAME: Cobblestone Assets, ATTN: Michelle Hamilton		
MAILING ADDRESS: 12 Sir Lancelot Drive		
TOWN/CITY: Exeter	STATE: NH	ZIP CODE: 03833
EMAIL ADDRESS: exeter@cobblestoneassets.com		
FAX: [REDACTED]	PHONE: (603)772-5377	
ELECTRONIC COMMUNICATION: By initialing here: PSL, I hereby authorize NHDES to communicate all matters relative to this application electronically.		
SECTION 5 - AUTHORIZED AGENT INFORMATION (Env-Wt 311.04(c))		
<input type="checkbox"/> N/A		
LAST NAME, FIRST NAME, M.I.: Libbey, Paige, S		
COMPANY NAME: Jones and Beach Engineers, Inc.		
MAILING ADDRESS: PO Box 219		
TOWN/CITY: Stratham	STATE: NH	ZIP CODE: 03885
EMAIL ADDRESS: plibbey@jonesandbeach.com		
FAX: [REDACTED]	PHONE: (603)772-4746	
ELECTRONIC COMMUNICATION: By initialing here PSL, I hereby authorize NHDES to communicate all matters relative to this application electronically.		
SECTION 6 - PROPERTY OWNER INFORMATION (IF DIFFERENT THAN APPLICANT) (Env-Wt 311.04(b))		
If the owner is a trust or a company, then complete with the trust or company information.		
<input checked="" type="checkbox"/> Same as applicant		
NAME: [REDACTED]		
MAILING ADDRESS: [REDACTED]		
TOWN/CITY: [REDACTED]	STATE: [REDACTED]	ZIP CODE: [REDACTED]
EMAIL ADDRESS: [REDACTED]		
FAX: [REDACTED]	PHONE: [REDACTED]	
ELECTRONIC COMMUNICATION: By initialing here [REDACTED], I hereby authorize NHDES to communicate all matters relative to this application electronically.		

SECTION 7 - RESOURCE-SPECIFIC CRITERIA ESTABLISHED IN Env-Wt 400, Env-Wt 500, Env-Wt 600, Env-Wt 700, OR Env-Wt 900 HAVE BEEN MET (Env-Wt 313.01(a)(3))

Describe how the resource-specific criteria have been met for each chapter listed above (please attach information about stream crossings, coastal resources, prime wetlands, or non-tidal wetlands and surface waters):
 This project is a bank stabilization project and meets the requirements set forth in Env-Wt 514. The project uses the construction of vegetated gabions, coir logs with plantings, and a minor natural natural bioengineered erosion control system composed of log piles and tree tops. This meets Env-Wt 514.02(c). Photos of the existing erosion have been included in this permit application. In addition to the proposed stabilization, this project also increases public well-being by regrading the section of slope that provides access to the river making access into the water safer for the citizens. Impacts have been minimized to the surrounding area to the greatest extent practicable, and proposed plantings are included to maintain ecosystem health after the project completion.

SECTION 8 - AVOIDANCE AND MINIMIZATION

Impacts within wetland jurisdiction must be avoided to the maximum extent practicable (Env-Wt 313.03(a)).* Any project with unavoidable jurisdictional impacts must then be minimized as described in the [Wetlands Best Management Practice Techniques For Avoidance and Minimization](#) and the [Wetlands Permitting: Avoidance, Minimization and Mitigation Fact Sheet](#). For minor or major projects, a functional assessment of all wetlands on the project site is required (Env-Wt 311.03(b)(10)).*

Please refer to the application checklist to ensure you have attached all documents related to avoidance and minimization, as well as functional assessment (where applicable). Use the [Avoidance and Minimization Checklist](#), the [Avoidance and Minimization Narrative](#), or your own avoidance and minimization narrative.

**See Env-Wt 311.03(b)(6) and Env-Wt 311.03(b)(10) for shoreline structure exemptions.*

SECTION 9 - MITIGATION REQUIREMENT (Env-Wt 311.02)

If unavoidable jurisdictional impacts require mitigation, a mitigation [pre-application meeting](#) must occur at least 30 days but not more than 90 days prior to submitting this Standard Dredge and Fill Permit Application.

Mitigation Pre-Application Meeting Date: Month: Day: Year:

N/A - Mitigation is not required

SECTION 10 - THE PROJECT MEETS COMPENSATORY MITIGATION REQUIREMENTS (Env-Wt 313.01(a)(1)c)

Confirm that you have submitted a compensatory mitigation proposal that meets the requirements of Env-Wt 800 for all permanent unavoidable impacts that will remain after avoidance and minimization techniques have been exercised to the maximum extent practicable: I confirm submittal.

N/A – Compensatory mitigation is not required

SECTION 11 - IMPACT AREA (Env-Wt 311.04(g))

For each jurisdictional area that will be/has been impacted, provide square feet (SF) and, if applicable, linear feet (LF) of impact, and note whether the impact is after-the-fact (ATF; i.e., work was started or completed without a permit).

For intermittent and ephemeral streams, the linear footage of impact is measured along the thread of the channel. *Please note, installation of a stream crossing in an ephemeral stream may be undertaken without a permit per Rule Env-Wt 309.02(d), however other dredge or fill impacts should be included below.*

For perennial streams/ivers, the linear footage of impact is calculated by summing the lengths of disturbances to the channel and banks.

Permanent impacts are impacts that will remain after the project is complete (e.g., changes in grade or surface materials).

Temporary impacts are impacts not intended to remain (and will be restored to pre-construction conditions) after the project is completed.

JURISDICTIONAL AREA		PERMANENT			TEMPORARY		
		SF	LF	ATF	SF	LF	ATF
Wetlands	Forested Wetland			<input type="checkbox"/>			<input type="checkbox"/>
	Scrub-shrub Wetland			<input type="checkbox"/>			<input type="checkbox"/>
	Emergent Wetland			<input type="checkbox"/>			<input type="checkbox"/>
	Wet Meadow			<input type="checkbox"/>			<input type="checkbox"/>
	Vernal Pool			<input type="checkbox"/>			<input type="checkbox"/>
	Designated Prime Wetland			<input type="checkbox"/>			<input type="checkbox"/>
	Duly-established 100-foot Prime Wetland Buffer			<input type="checkbox"/>			<input type="checkbox"/>
Surface Water	Intermittent / Ephemeral Stream			<input type="checkbox"/>			<input type="checkbox"/>
	Perennial Stream or River			<input type="checkbox"/>			<input type="checkbox"/>
	Lake / Pond			<input type="checkbox"/>			<input type="checkbox"/>
	Docking - Lake / Pond			<input type="checkbox"/>			<input type="checkbox"/>
	Docking - River			<input type="checkbox"/>			<input type="checkbox"/>
Banks	Bank - Intermittent Stream			<input type="checkbox"/>			<input type="checkbox"/>
	Bank - Perennial Stream / River	12,455	922	<input type="checkbox"/>			<input type="checkbox"/>
	Bank / Shoreline - Lake / Pond			<input type="checkbox"/>			<input type="checkbox"/>
Tidal	Tidal Waters			<input type="checkbox"/>			<input type="checkbox"/>
	Tidal Marsh			<input type="checkbox"/>			<input type="checkbox"/>
	Sand Dune			<input type="checkbox"/>			<input type="checkbox"/>
	Undeveloped Tidal Buffer Zone (TBZ)			<input type="checkbox"/>			<input type="checkbox"/>
	Previously-developed TBZ			<input type="checkbox"/>			<input type="checkbox"/>
	Docking - Tidal Water			<input type="checkbox"/>			<input type="checkbox"/>
TOTAL		12,455	922				

SECTION 12 - APPLICATION FEE (RSA 482-A:3, I)

MINIMUM IMPACT FEE: Flat fee of \$400.

NON-ENFORCEMENT RELATED, PUBLICLY-FUNDED AND SUPERVISED RESTORATION PROJECTS, REGARDLESS OF IMPACT CLASSIFICATION: Flat fee of \$400 (refer to RSA 482-A:3, 1(c) for restrictions).

MINOR OR MAJOR IMPACT FEE: Calculate using the table below:

Permanent and temporary (non-docking): 12,455 SF × \$0.40 = \$ 4,982

Seasonal docking structure: SF × \$2.00 = \$

Permanent docking structure: SF × \$4.00 = \$

Projects proposing shoreline structures (including docks) add \$400 = \$

Total = \$

The application fee for minor or major impact is the above calculated total or \$400, whichever is greater = \$ 4,982

SECTION 13 - PROJECT CLASSIFICATION (Env-Wt 306.05)

Indicate the project classification.

<input type="checkbox"/> Minimum Impact Project	<input type="checkbox"/> Minor Project	<input checked="" type="checkbox"/> Major Project
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SECTION 14 - REQUIRED CERTIFICATIONS (Env-Wt 311.11)

Initial each box below to certify:

Initials: PSL _____ _____	To the best of the signer's knowledge and belief, all required notifications have been provided.
------------------------------------	--

Initials: PSL _____ _____	The information submitted on or with the application is true, complete, and not misleading to the best of the signer's knowledge and belief.
------------------------------------	--

Initials: PSL _____ _____	The signer understands that: <ul style="list-style-type: none"> • The submission of false, incomplete, or misleading information constitutes grounds for NHDES to: <ol style="list-style-type: none"> 1. Deny the application. 2. Revoke any approval that is granted based on the information. 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. • The signer is subject to the penalties specified in New Hampshire law for falsification in official matters, currently RSA 641. • 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 forestry SPN projects and minimum impact trail projects, where the signature shall authorize only the Department to inspect the site pursuant to RSA 482-A:6, II.
------------------------------------	--

Initials: PSL _____ _____	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.
------------------------------------	---

SECTION 15 - REQUIRED SIGNATURES (Env-Wt 311.04(d); Env-Wt 311.11)

SIGNATURE (OWNER): <u><i>Paige Libbey</i></u> (as agent)	PRINT NAME LEGIBLY: <u>Paige Libbey</u>	DATE: <u>5/31/23</u>
SIGNATURE (APPLICANT, IF DIFFERENT FROM OWNER): _____	PRINT NAME LEGIBLY: _____	DATE: _____
SIGNATURE (AGENT, IF APPLICABLE): <u><i>Paige Libbey</i></u>	PRINT NAME LEGIBLY: Paige Libbey	DATE: <u>5/31/23</u>

SECTION 16 - TOWN / CITY CLERK SIGNATURE (Env-Wt 311.04(f))

As required by RSA 482-A:3, I(a)(1), I hereby certify that the applicant has filed four application forms, four detailed plans, and four USGS location maps with the town/city indicated below.

TOWN/CITY CLERK SIGNATURE: <u><i>Andrea J. Kohler</i></u>	PRINT NAME LEGIBLY: <u>Andrea J. Kohler</u>
TOWN/CITY: <u>Exeter</u>	DATE: <u>6.7.23</u>

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 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. Make check or money order payable to "Treasurer – State of NH".



STANDARD DREDGE AND FILL
WETLANDS PERMIT APPLICATION
ATTACHMENT A: MINOR AND MAJOR PROJECTS



Water Division/Land Resources Management
Wetlands Bureau

[Check the Status of your Application](#)

RSA/ Rule: RSA 482-A/ Env-Wt 311.10; Env-Wt 313.01(a)(1); Env-Wt 313.03

APPLICANT'S NAME: Cobblestone Assets

TOWN NAME: Exeter

Attachment A is required for *all minor and major projects*, and must be completed *in addition* to the [Avoidance and Minimization Narrative](#) or [Checklist](#) that is required by Env-Wt 307.11.

For projects involving construction or modification of non-tidal shoreline structures over areas of surface waters having an absence of wetland vegetation, only Sections I.X through I.XV are required to be completed.

PART I: AVOIDANCE AND MINIMIZATION

In accordance with Env-Wt 313.03(a), the Department shall not approve any alteration of any jurisdictional area unless the applicant demonstrates that the potential impacts to jurisdictional areas have been avoided to the maximum extent practicable and that any unavoidable impacts have been minimized, as described in the [Wetlands Best Management Practice Techniques For Avoidance and Minimization](#).

SECTION I.I - ALTERNATIVES (Env-Wt 313.03(b)(1))

Describe how there is no practicable alternative that would have a less adverse impact on the area and environments under the Department's jurisdiction.

SECTIONS OF THE BANK OF THE EXETER RIVER ALONG THE DEVELOPMENT, RIVER RUN MOBILE HOME PARK HAVE ERODED CAUSING STEPPED BANKINGS AND MINIMAL SPACE BETWEEN EXISTING STRUCTURES AND THE WATERS EDGE. THIS PROPOSAL AIMS TO BALANCE ENVIROMENTAL CONCERNS AND SOCIO-ECONOMINIC CONCERNS OF THE RIVER UNDERMINING THE DEVELOPMENT. THE BIOENGINEEREDSLOPE PROPOSED PROVIDES ADEQUATE FLOOD TOLERANCE AND HABITATS WHILE PREVENTING FURTHER LOSS OF THE BANKS ALONG THE EXISTING DEVELOPMENT. THE PROJECT ALSO PROPOSES A PATH FOR SAFE RECREATIONAL ACCESS.

SECTION I.II - MARSHEs (Env-Wt 313.03(b)(2))

Describe how the project avoids and minimizes impacts to tidal marshes and non-tidal marshes where documented to provide sources of nutrients for finfish, crustacean, shellfish, and wildlife of significant value.

N/A

SECTION I.III - HYDROLOGIC CONNECTION (Env-Wt 313.03(b)(3))

Describe how the project maintains hydrologic connections between adjacent wetland or stream systems.

The construction of the vegetated gabions, coir logs with plantings, and a minor natural bioengineered erosion control system composed of log piles and tree tops all of which provide suitable natural habitats in addition to stabilizing the slope. This not only enhances the hydrologic connections between the stream and surrounding wetlands, but also promotes the health of the river and surrounding ecosystems.

SECTION I.IV - JURISDICTIONAL IMPACTS (Env-Wt 313.03(b)(4))

Describe how the project avoids and minimizes impacts to wetlands and other areas of jurisdiction under RSA 482-A, especially those in which there are exemplary natural communities, vernal pools, protected species and habitat, documented fisheries, and habitat and reproduction areas for species of concern, or any combination thereof.

The proposed project construction uses multiple different erosion control methods all of which will provide potential habitat areas for aquatic life and wildlife species. Regrading is only occurring in areas where slope is steeper than a 1:1 is necessary and elsewhere plantable and natural material stabilization products are being installed.

SECTION I.V - PUBLIC COMMERCE, NAVIGATION, OR RECREATION (Env-Wt 313.03(b)(5))

Describe how the project avoids and minimizes impacts that eliminate, depreciate or obstruct public commerce, navigation, or recreation.

This site resides along the River Run Mobile Home Park and part of the project is to regrade the park's path down to the water to provide a safer way to reach the river for recreational uses.

SECTION I.VI - FLOODPLAIN WETLANDS (Env-Wt 313.03(b)(6))

Describe how the project avoids and minimizes impacts to floodplain wetlands that provide flood storage.

N/A

SECTION I.VII - RIVERINE FORESTED WETLAND SYSTEMS AND SCRUB-SHRUB – MARSH COMPLEXES (Env-Wt 313.03(b)(7))

Describe how the project avoids and minimizes impacts to natural riverine forested wetland systems and scrub-shrub – marsh complexes of high ecological integrity.

N/A

SECTION I.VIII - DRINKING WATER SUPPLY AND GROUNDWATER AQUIFER LEVELS (Env-Wt 313.03(b)(8))

Describe how the project avoids and minimizes impacts to wetlands that would be detrimental to adjacent drinking water supply and groundwater aquifer levels.

The proposal aims to pull back slopes and provide wider stream area where practical. A wider stream bed provides more flood storage and facilitates more groundwater recharge to nearby aquifers.

SECTION I.IX - STREAM CHANNELS (Env-Wt 313.03(b)(9))

Describe how the project avoids and minimizes adverse impacts to stream channels and the ability of such channels to handle runoff of waters.

The project proposes to enhance runoff quality by preventing erosion that storm events creating runoff would currently allow. The improved bank would enhance flood storage capacity.

SECTION I.X - SHORELINE STRUCTURES - CONSTRUCTION SURFACE AREA (Env-Wt 313.03(c)(1))

Describe how the project has been designed to use the minimum construction surface area over surface waters necessary to meet the stated purpose of the structures.

N/A

SECTION I.XI - SHORELINE STRUCTURES - LEAST INTRUSIVE UPON PUBLIC TRUST (Env-Wt 313.03(c)(2))

Describe how the type of construction proposed is the least intrusive upon the public trust that will ensure safe docking on the frontage.

N/A

SECTION I.XII - SHORELINE STRUCTURES – ABUTTING PROPERTIES (Env-Wt 313.03(c)(3))

Describe how the structures have been designed to avoid and minimize impacts on ability of abutting owners to use and enjoy their properties.

N/A

SECTION I.XIII - SHORELINE STRUCTURES – COMMERCE AND RECREATION (Env-Wt 313.03(c)(4))

Describe how the structures have been designed to avoid and minimize impacts to the public’s right to navigation, passage, and use of the resource for commerce and recreation.

N/A

SECTION I.XIV - SHORELINE STRUCTURES – WATER QUALITY, AQUATIC VEGETATION, WILDLIFE AND FINFISH HABITAT (Env-Wt 313.03(c)(5))

Describe how the structures have been designed, located, and configured to avoid impacts to water quality, aquatic vegetation, and wildlife and finfish habitat.

N/A

SECTION I.XV - SHORELINE STRUCTURES – VEGETATION REMOVAL, ACCESS POINTS, AND SHORELINE STABILITY (Env-Wt 313.03(c)(6))

Describe how the structures have been designed to avoid and minimize the removal of vegetation, the number of access points through wetlands or over the bank, and activities that may have an adverse effect on shoreline stability.

N/A

PART II: FUNCTIONAL ASSESSMENT

REQUIREMENTS

Ensure that project meets the requirements of Env-Wt 311.10 regarding functional assessment (Env-Wt 311.04(j); Env-Wt 311.10).

FUNCTIONAL ASSESSMENT METHOD USED:

NAME OF CERTIFIED WETLAND SCIENTIST (FOR NON-TIDAL PROJECTS) OR QUALIFIED COASTAL PROFESSIONAL (FOR TIDAL PROJECTS) WHO COMPLETED THE ASSESSMENT: BRENDEN WALDEN

DATE OF ASSESSMENT: SPRING, 2023

Check this box to confirm that the application includes a **NARRATIVE ON FUNCTIONAL ASSESSMENT:**



For minor or major projects requiring a standard permit without mitigation, the applicant shall submit a wetland evaluation report that includes completed checklists and information demonstrating the **RELATIVE FUNCTIONS AND VALUES OF EACH WETLAND EVALUATED**. Check this box to confirm that the application includes this information, if applicable:



Note: The Wetlands Functional Assessment worksheet can be used to compile the information needed to meet functional assessment requirements.



BANK/ShORELINE STABILIZATION PROJECT-SPECIFIC WORKSHEET FOR STANDARD APPLICATION



Water Division/Land Resources Management
Wetlands Bureau

[Check the Status of your Application](#)

RSA/Rule: RSA 482/ Env-Wt 514

APPLICANT LAST NAME, FIRST NAME, M.I.: **Assets, Cobblestone**

This worksheet summarizes the criteria and requirements for a Standard Permit for all types of “bank/shoreline stabilization” projects, as outlined in Chapter Env-Wt 500. In addition to the project-specific criteria and requirements on this worksheet, all Standard Applications must meet the criteria and requirements listed in the [Standard Dredge and Fill Wetlands Permit Application form \(NHDES-W-06-012\)](#).

Do not use this worksheet if the project is located in a coastal (tidal) area (Env-Wt 509.02(b)).

SECTION 1 - APPROVAL CRITERIA (Env-Wt 514.02)

An application for bank/shoreline stabilization must meet the following approval criteria:

- The project must meet the applicable conditions established in Env-Wt 300.
- For a hard-scape stabilization proposal, such as rip-rap or a retaining wall, the applicant must demonstrate that the bank or shoreline in that location cannot be stabilized by preserving natural vegetation, landscaping, or bioengineering.
- Bank/shoreline stabilization must be designed to be the least intrusive practicable method in accordance with Chapter 8 of the [Wetlands Best Management Practice Techniques for Avoidance and Minimization \(A/M BMPs\)](#).
- Bank/shoreline stabilization must conform to the natural alignment of the bank/shoreline.
- Bank/shoreline stabilization must not adversely affect the stream course such that water flow will be transported by the stream channel in a manner that the stream maintains its dimensions, general pattern, and slope with no unnatural raising or lowering of the channel bed elevation along the stream bed profile.
- Bank/shoreline stabilization must not adversely affect the physical stream forms or alter the local channel hydraulics, natural stream bank stability, or floodplain connectivity.
- Bank/shoreline stabilization must avoid and minimize impacts to shoreline resource functions as described in Env-Wt 514.01 and Chapter 8 of the [A/M BMPs](#).
- If the project is a wall on a great pond or other surface water where the state holds fee simple ownership of the bed, bank/shoreline stabilization must locate the wall on the shoreward side of the normal high water line.
- If the project is to install rip-rap, bank/shoreline stabilization must locate the rip-rap shoreward of the normal high water line, where practicable, and extend it not more than two feet lakeward of that line at any point.
- The hierarchy of bank stabilization practices must be as follows:
 - (1) Soft vegetative bank stabilization, including regrading and replanting of slopes, in which all work occurs above ordinary high water or normal high water,
 - (2) Bioengineered bank stabilization or naturalized design techniques that uses a combination of live vegetation, woody material, or geotextile matting and may include regrading and replanting of slopes,

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

- (3) Semi-natural form design shall be allowed only where the applicant demonstrates that anticipated turbulence, flows, restricted space, or similar factors, render vegetative or soft stabilization methods, bioengineering, and natural process design stabilization methods physically impractical,
- (4) Hard-scape or rip-rap design shall be allowed only where anticipated turbulence, flows, restricted space, or similar factors render vegetative, bio-engineering, semi-natural form design and diversion methods physically impractical and where necessary to protect existing infrastructure, and
- (5) Wall construction shall be allowed as the last available option, only where lack of space or other limitations of the site make alternative stabilization methods of bioengineering, seminatural, and rip-rap impractical. Wherever sufficient room exists, slopes shall be cut back to eliminate the requirement for a wall.

Stream bank-stabilization project plans must be developed in accordance with the following techniques, as applicable:

- Naturalized and semi-natural design techniques where practicable in accordance with the [Guidelines for Naturalized River Channel Design and Bank Stabilization](#) dated February 2007; R. Schiff, J.G. MacBroom, and J. Armstrong Bonin.
- For bioengineering projects, [National Engineering Handbook Part 654 \(NEH 654\), Technical Supplement 141, Streambank Soil Bioengineering](#), dated August 2007, USDA NRCS.
- For stream restoration projects, [NEH 654, Stream Restoration Design](#), dated August 2007, USDA NRCS.

SECTION 2 - APPLICATION REQUIREMENTS FOR ALL BANK/SHORELINE STABILIZATION PROJECTS (Env-Wt 514.03)

An application for any bank/shoreline stabilization project must include:

A narrative and photos that:

- Describe and illustrate existing conditions and locations where shoreline vegetation currently exists.

On sheets C1-C3 wetflags depict the locations of the top of berm for each section of bank erosion. Each area of erosion has different amounts of existing vegetation demonstrated in the included photo log. Area 1 the vegetation varies from sparatic trees and strubs to more wooded cover with existing trees falling into the river as the embankment erodes. Area 2 has sections that come close to existing structures and has a steep grassed slope with minor amounts of trees falling into the river. Other sections have more wooded cover on the very steep slope that comes down to a small section of stone shoreline. The majority of Area 3 is wooded with lots of trees that have fallen up and down the slope and into the river.

- Identify all known causes of erosion to the bank/shoreline in that location.

Most of the erosion occurs from natural reasons such as surface water elevation increases on higher storm events and widening of the river over time from flow and flooding.

- Identify information and, for minor and major projects, engineering standards used to determine the appropriateness of the proposed bank stabilization treatment or practice.

This project incorporates multiple bank stabilization practices in accordance with the hierarchy set forth in Env-Wt 514.02(c). Soft vegetative banks will be used in areas where bio-engineered gabion baskets and coir logs aren't being proposed for stabilization. The gabion baskets and coir logs will be planted with different plantings throughout their placement.

- Explain the design elements that have been incorporated to address erosion, by eliminating or minimizing the causes thereof.

The usage of Gabion baskets and coir logs will provide adequate support to the slope to accommodate high flood waters, stream bed turbulence, and prevent the erosion of the slope into the stream bed while also providing additional plantings than currently exist.

- For minor and major bank/shoreline stabilization projects or minimum impact bioengineering stream bank projects, identify the flood risk tolerance of the proposed treatment or practice using the appropriate technical guidance or national engineering handbook.

The gabion baskets and coir logs are designed to be placed as far up the bank as the area allow to accommodate high flood waters, therefore the flood risk tolerance is improved.

A cross-section plan that shows:

- The difference in elevation between the lowest point of the bank/shoreline slope to be impacted by the construction and the highest point of the bank/shoreline slope to be impacted.
- The linear distance across the proposed project area as measured along a straight line between the highest and lowest point of the bank/shoreline slope to be impacted.
- The existing and proposed slope of the bank/shoreline.
- The normal high water line or ordinary high water mark, as applicable.

Hard-scape, rip-rap, or unnatural design plans that must include:

- Designation of minimum and maximum stone size.
- Gradation.
- Minimum rip-rap thickness.
- Type of bedding for stone.
- Cross-section and plan views of the proposed installation.
- A description of anticipated turbulence, flows, restricted space, or similar factors that would render vegetation and bioengineering stabilization methods physically impracticable.
- Engineering plans for rip-rap in excess of 100 linear feet along the bank or bed of a stream or river, including in-stream revetments, stamped by a professional engineer.
- If the project proposes rip-rap adjacent to great ponds or other surface waters where the state holds fee simple ownership to the bed, a stamped surveyed plan showing the location of the normal high water line and the footprint of the proposed project.

Design plans for a wall in non-tidal waters must include:

- Cross-section and plan views of the proposed installation and sufficient plans to clearly indicate the relationship of the project to fixed points of reference, abutting properties, and features of the natural shoreline.
- If the application is for a wall adjacent to a great pond or other surface water where the state holds fee simple ownership to the bed, a surveyed plan, stamped by a licensed land surveyor, showing the location of the normal high water line and the footprint of the proposed project.

SECTION 3 - DESIGN REQUIREMENTS FOR ALL BANK/ShORELINE STABILIZATION PROJECTS (Env-Wt 514.04)

In addition to meeting all applicable requirements in Env-Wt 300, bank/shoreline stabilization must be designed to:

- Incorporate stormwater diversion and retention to minimize erosion.
- Retain natural vegetation to the maximum extent possible.
- If space and soil conditions allow, cut back unstable banks to a flatter slope and then plant with native, non-invasive trees, shrubs, and groundcover.
- Avoid and minimize impacts to adjacent properties and infrastructure.
- Avoid and minimize impacts to water quality.
- Avoid and minimize impacts to priority resource areas, avian nesting areas, fish spawning locations, and other wildlife habitat to meet the requirements of Env-Wt 514.02.
- Incorporate naturalized and semi-natural design techniques where practicable in accordance with [Guidelines for Naturalized River Channel Design and Bank Stabilization](#) dated February 2007, R. Schiff, J.G. MacBroom, and J. Armstrong Bonin.
- For bioengineering projects, be in accordance with [NEH 654, Technical Supplement 141, Streambank Soil Bioengineering](#), dated August 2007, USDA NRCS.
- For stream restoration projects, be in accordance with [NEH 654, Stream Restoration Design](#), dated August, 2007, USDA NRCS.

SECTION 4 - CONSTRUCTION REQUIREMENTS FOR ALL BANK/ShORELINE STABILIZATION PROJECTS (Env-Wt 514.05)

In addition to all applicable construction standards specified in Env-Wt 300, the following apply to all bank/ shoreline stabilization projects:

- Materials used to emulate a natural channel bottom must:
 - Be consistent with materials identified in the reference reach, and
 - Not include any angular rip-rap or gravel unless specifically identified on the approved plan.
- Bank restoration must be constructed, landscaped, and monitored in a manner that will create a healthy riparian or lacustrine shoreline system.
- Bank/shoreline stabilization areas must:
 - (1) Have at least 75% successful establishment of vegetation after two growing seasons, or
 - (2) Be replanted and re-established until a functional lacustrine, wetland, or riparian system has been reestablished in accordance with the approved plans.
- Unless otherwise approved, construction must be performed during low flow or dry conditions.
- Where there is documented occurrence of a cold water fishery or protected species or habitat, unless a waiver of this condition is issued in writing by the department in consultation with the New Hampshire Fish and Game Department, work must occur:
 - During low-flow or dry conditions during the growing season, and
 - Prior to October 1.

- Work authorized must be carried out in accordance with Env-Wt 307 such that there are no discharges in or to spawning or nursery areas during spawning seasons.
- Work authorized must be carried out in accordance with Env-Wt 307 such that controls are in place to protect water quality and appropriate turbidity controls such that no turbidity escape the immediate dredge area and must remain until suspended particles have settled and water at the work site has returned to normal clarity.
- Within 60 days of completion of construction, the applicant must submit a post-construction report that:
 - Has been prepared by a professional engineer, certified wetland scientist, or qualified professional, as applicable, and
 - Contains a narrative, exhibits, and photographs, as necessary to report the status of the project area and restored jurisdictional area.

SECTION 5 - ON-GOING REQUIREMENTS FOR ALL BANK/SHORELINE STABILIZATION PROJECTS (Env-Wt 514.06)

The owner must monitor the project and take corrective measures if the area is inadequately stabilized or restored by:

- (a) Replacing fallen or displaced materials without a permit, where no machinery in the channel is required,
- (b) Identifying corrective actions and follow-up plans in accordance with Env-Wt 307, and
- (c) Filing appropriate application and plans where work exceeds (a), above.

SECTION 6 - BANK STABILIZATION CONSTRUCTION PROJECT CLASSIFICATION (Env-Wt 514.07)

Refer to Env-Wt 514.07 for project classification.



AVOIDANCE AND MINIMIZATION CHECKLIST

Water Division/Land Resources Management Wetlands Bureau



[Check the Status of your Application](#)

RSA/Rule: RSA 482-A/ Env-Wt 311.07(c)

This checklist can be used in lieu of the written narrative required by Env-Wt 311.07(a) to demonstrate compliance with requirements for Avoidance and Minimization (A/M), pursuant to RSA 482-A:1 and Env-Wt 311.07(c).

For the construction or modification of non-tidal shoreline structures over areas of surface waters without wetland vegetation, complete only Sections 1, 2, and 4 (or the applicable sections in [Attachment A: Minor and Major Projects \(NHDES-W-06-013\)](#)).

The following definitions and abbreviations apply to this worksheet:

- "A/M BMPs" stands for [Wetlands Best Management Practice Techniques for Avoidance and Minimization](#) dated 2019, published by the New England Interstate Water Pollution Control Commission (Env-Wt 102.18).
- "Practicable" means available and capable of being done after taking into consideration cost, existing technology, and logistics in light of overall project purposes (Env-Wt 103.62).

SECTION 1 - CONTACT/LOCATION INFORMATION		
APPLICANT LAST NAME, FIRST NAME, M.I.: Hamilton, Michelle		
PROJECT STREET ADDRESS: [REDACTED]	PROJECT TOWN: Exeter	
TAX MAP/LOT NUMBER: 104/79		
SECTION 2 - PRIMARY PURPOSE OF THE PROJECT		
Env-Wt 311.07(b)(1)	Indicate whether the primary purpose of the project is to construct a water-access structure or requires access through wetlands to reach a buildable lot or the buildable portion thereof.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<p>If you answered "no" to this question, describe the purpose of the "non-access" project type you have proposed:</p> <p>The project proposes the stabilization of an eroded bank of Exeter River. Erosion stabilization includes the construction of vegetated gabions, coir logs with plantings, and a minor natural retaining wall composed of log piles and tree tops all of which provide suitable natural habitats in addition to stabilizing the slope. The project also proposes access to the river for recreational purposes for the residents of River Run Mobile Home Park.</p>		

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

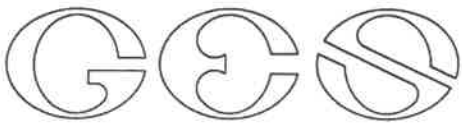
SECTION 3 - A/M PROJECT DESIGN TECHNIQUES		
Check the appropriate boxes below in order to demonstrate that these items have been considered in the planning of the project. Use N/A (not applicable) for each technique that is not applicable to your project.		
Env-Wt 311.07(b)(2)	For any project that proposes new permanent impacts of more than one acre or that proposes new permanent impacts to a Priority Resource Area (PRA), or both, whether any other properties reasonably available to the applicant, whether already owned or controlled by the applicant or not, could be used to achieve the project's purpose without altering the functions and values of any jurisdictional area, in particular wetlands, streams, and PRAs.	<input type="checkbox"/> Check <input checked="" type="checkbox"/> N/A
Env-Wt 311.07(b)(3)	Whether alternative designs or techniques, such as different layouts, construction sequencing, or alternative technologies could be used to avoid impacts to jurisdictional areas or their functions and values.	<input checked="" type="checkbox"/> Check <input type="checkbox"/> N/A
Env-Wt 311.07(b)(4) Env-Wt 311.10(c)(1) Env-Wt 311.10(c)(2)	The results of the functional assessment required by Env-Wt 311.03(b)(10) were used to select the location and design for the proposed project that has the least impact to wetland functions.	<input type="checkbox"/> Check <input checked="" type="checkbox"/> N/A
Env-Wt 311.07(b)(4) Env-Wt 311.10(c)(3)	Where impacts to wetland functions are unavoidable, the proposed impacts are limited to the wetlands with the least valuable functions on the site while avoiding and minimizing impacts to the wetlands with the highest and most valuable functions.	<input checked="" type="checkbox"/> Check <input type="checkbox"/> N/A
Env-Wt 313.01(c)(1) Env-Wt 313.01(c)(2) Env-Wt 313.03(b)(1)	No practicable alternative would reduce adverse impact on the area and environments under the department's jurisdiction and the project will not cause random or unnecessary destruction of wetlands.	<input checked="" type="checkbox"/> Check <input type="checkbox"/> N/A
Env-Wt 313.01(c)(3)	The project would not cause or contribute to the significant degradation of waters of the state or the loss of any PRAs.	<input checked="" type="checkbox"/> Check <input type="checkbox"/> N/A
Env-Wt 313.03(b)(3) Env-Wt 904.07(c)(8)	The project maintains hydrologic connectivity between adjacent wetlands or stream systems.	<input checked="" type="checkbox"/> Check <input type="checkbox"/> N/A
Env-Wt 311.10 A/M BMPs	Buildings and/or access are positioned away from high function wetlands or surface waters to avoid impact.	<input checked="" type="checkbox"/> Check <input type="checkbox"/> N/A
Env-Wt 311.10 A/M BMPs	The project clusters structures to avoid wetland impacts.	<input type="checkbox"/> Check <input checked="" type="checkbox"/> N/A
Env-Wt 311.10 A/M BMPs	The placement of roads and utility corridors avoids wetlands and their associated streams.	<input type="checkbox"/> Check <input checked="" type="checkbox"/> N/A
A/M BMPs	The width of access roads or driveways is reduced to avoid and minimize impacts. Pullouts are incorporated in the design as needed.	<input type="checkbox"/> Check <input checked="" type="checkbox"/> N/A
A/M BMPs	The project proposes bridges or spans instead of roads/driveways/trails with culverts.	<input type="checkbox"/> Check <input checked="" type="checkbox"/> N/A

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A/M BMPs	The project is designed to minimize the number and size of crossings, and crossings cross wetlands and/or streams at the narrowest point.	<input type="checkbox"/> Check <input checked="" type="checkbox"/> N/A
Env-Wt 500 Env-Wt 600 Env-Wt 900	Wetland and stream crossings include features that accommodate aquatic organism and wildlife passage.	<input type="checkbox"/> Check <input checked="" type="checkbox"/> N/A
Env-Wt 900	Stream crossings are sized to address hydraulic capacity and geomorphic compatibility.	<input type="checkbox"/> Check <input checked="" type="checkbox"/> N/A
A/M BMPs	Disturbed areas are used for crossings wherever practicable, including existing roadways, paths, or trails upgraded with new culverts or bridges.	<input type="checkbox"/> Check <input checked="" type="checkbox"/> N/A
SECTION 4 - NON-TIDAL SHORELINE STRUCTURES		
Env-Wt 313.03(c)(1)	The non-tidal shoreline structure has been designed to use the minimum construction surface area over surfaces waters necessary to meet the stated purpose of the structure.	<input type="checkbox"/> Check <input checked="" type="checkbox"/> N/A
Env-Wt 313.03(c)(2)	The type of construction proposed for the non-tidal shoreline structure is the least intrusive upon the public trust that will ensure safe navigation and docking on the frontage.	<input type="checkbox"/> Check <input checked="" type="checkbox"/> N/A
Env-Wt 313.03(c)(3)	The non-tidal shoreline structure has been designed to avoid and minimize impacts on the ability of abutting owners to use and enjoy their properties.	<input type="checkbox"/> Check <input checked="" type="checkbox"/> N/A
Env-Wt 313.03(c)(4)	The non-tidal shoreline structure has been designed to avoid and minimize impacts to the public's right to navigation, passage, and use of the resource for commerce and recreation.	<input type="checkbox"/> Check <input checked="" type="checkbox"/> N/A
Env-Wt 313.03(c)(5)	The non-tidal shoreline structure has been designed, located, and configured to avoid impacts to water quality, aquatic vegetation, and wildlife and finfish habitat.	<input type="checkbox"/> Check <input checked="" type="checkbox"/> N/A
Env-Wt 313.03(c)(6)	The non-tidal shoreline structure has been designed to avoid and minimize the removal of vegetation, the number of access points through wetlands or over the bank, and activities that may have an adverse effect on shoreline stability.	<input type="checkbox"/> Check <input checked="" type="checkbox"/> N/A



GOVE ENVIRONMENTAL SERVICES, INC.

June 2, 2023

To: Paige Libbey
Jones and Beach Engineering, Inc.

From: Brenden Walden
Gove Environmental Services, Inc.

Subject: Wetland Delineation Report
Landing at Exeter River

Paige,

Per your request, this letter is to verify that Gove Environmental Services, Inc., performed a site inspection to identify Jurisdictional areas at three separate locations on the subject property located on Tax Map 104 Lot 79 in Exeter, NH. Wetlands were evaluated utilizing the following standards:

1. *US Army Corps of Engineers Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Northcentral and Northeast Region, Technical Report ERDC/EL TR-12-1 (January 2012).*
2. *Field Indicators for Identifying Hydric Soils in New England – Version 4, June 2020. New England Hydric Soils Technical Committee.*
3. *US Army Corps of Engineers National Wetland Plant List, 2018.*
4. *Classification of Wetlands and Deepwater Habitats of the United States. USFW Manual FWS/OBS-79/31 (1979).*

Brenden Walden performed two site inspection with the first on January 12, 2023 and the follow up inspection on February 7, 2023 to extend the limits of jurisdiction to meet the project requirements. The property is utilized as an over 55 residential mobile home community with a boundary of the property abutting a large stretch of the Exeter River. The three areas of interest identified for review were identified as areas that are currently seeing significant bank erosion with stabilization of the river bank in these areas impacting the mobile home community. Top of bank was established at the three areas and was demarked with a series of flagging labeled TOB. The bank in area one and area three are composed primarily of very steep slopes with mature trees directly adjacent to cleared areas for the existing mobile homes. These areas are seeing extensive undercutting from the river with areas of washout causing small landslide events. Area two is another steep area of the riverbank that has significantly less native mature established woody vegetation present as the mobile homes are significantly closer to the Exeter River in this location. This area is beginning to see undercutting as well due to the lack of stabilization from the native vegetation and the steep almost vertical slopes that are present in this area.

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The site inspections and delineation of these three areas was done in an effort to move forward with local and state permitting to construct a proposed bank stabilization project outlined in the attached plans provided by Jones and Beach Engineering. The proposed bank stabilization will assist in managing the deficiency in stabilization associated with the existing landscape and lack of necessary mature established vegetation adjacent to the river that would otherwise help mitigate some of these washout occurrences. With this proposed work in jurisdictional areas a dredge and fill application and shoreland application will be necessary to move forward with the construction of the project. As a requirement the functions and values of the resource area, the Exeter River was evaluated using the US Army Corps Highway Methodology guidelines for the three identified wetland areas.

The US Army Corps Highway Methodology considers 13 categories of function or value within a particular wetland area:

1. **Groundwater recharge/discharge:** This function considers the potential for a wetland to serve as a groundwater recharge and/or discharge area. Recharge should relate to the potential for the wetland to contribute water to an aquifer. Discharge should relate to the potential for the wetland to serve as an area where ground water can be discharged to the surface.
2. **Floodflow Alteration:** This function considers the effectiveness of the wetland in reducing flood damage by attenuation of floodwaters for prolonged periods following precipitation events.
3. **Fish and Shellfish Habitat:** This function considers the effectiveness of seasonal or permanent water bodies associated with the wetland in question for fish and shell fish habitat.
4. **Water Quality—Sediment/Toxicant/Pathogen Retention:** This function reduces or prevents degradation of water quality. It relates to the effectiveness of the wetland as a trap for sediments, toxicants or pathogens.
5. **Water Quality—Nutrient Removal/Retention/Transformation:** This function relates to the effectiveness of the wetland to prevent adverse effects of excess nutrients entering aquifers or surface waters such as ponds, lakes, streams, rivers or estuaries.
6. **Production Export:** This function relates to the effectiveness of the wetland to produce food or usable products for human, or other living organisms.
7. **Sediment/Shoreline Stabilization:** This function relates to the effectiveness of a wetland to stabilize stream banks and shorelines against erosion.
8. **Wildlife Habitat:** This function considers the effectiveness of the wetland to provide habitat for various types and populations of animals typically associated with wetlands and the wetland edge. Both resident and or migrating species must be considered.
9. **Recreation:** This value considers the effectiveness of the wetland and associated watercourses to provide recreational opportunities such as canoeing, boating, fishing, hunting and other active or passive recreational activities. Consumptive opportunities consume or diminish the plants, animals or other resources that are intrinsic to the wetland, whereas non-consumptive opportunities do not.





GOVE ENVIRONMENTAL SERVICES, INC.

- 10. Educational/Scientific Value:** This value considers the effectiveness of the wetland as a site for an “outdoor classroom” or as a location for scientific study or research.
- 11. Uniqueness/Heritage:** This value relates to the effectiveness of the wetland or its associated water bodies to produce certain special values. Special values may include such things as archeological sites, unusual aesthetic quality, historical events, or unique plants, animals, or geological features.
- 12. Visual Quality/Aesthetics:** This value relates to the visual and aesthetic qualities of the wetland.
- 13. Threatened or Endangered Species Habitat:** This value relates to the effectiveness of the wetland or associated water bodies to support threatened or endangered species

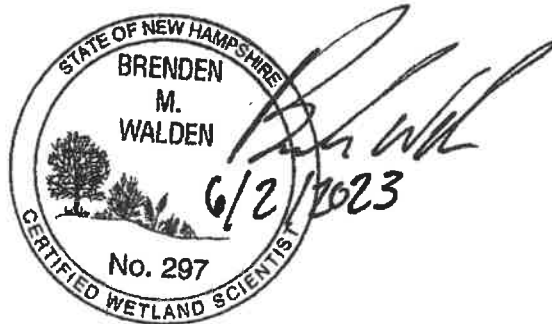
Of the functions listed above the primary resource area, the Exeter River and associated jurisdictional areas identified were determined to have seven principal functions. Those principal functions include Groundwater Recharge/Discharge, Floodflow Alteration, Fish and Shellfish Habitat, Sediment/Toxicant Retention, Production Export, Shoreline/Sediment Stabilization, and Wildlife Habitat. The primary objective with this proposed restoration is to maintain and enhance those existing functions while also ensuring the continued productive and safe use of the land. This is the least impacting and invasive alternative practicable to provide the stabilization to the bank given the unique landscape and steep terrain associated with this stretch of the Exeter River. Upon the construction completion of this proposed bank stabilization project there will be no observable negative effect to the Exeter River or the identified principal functions identified in this evaluation.

This concludes the wetland delineation report and functional assessment. If you have any questions on any of the materials provided or feel I can be of further assistance, please feel free to contact me by email bwalden@gesinc.biz or phone 207-710-7863.

Sincerely,

Brenden Walden
Business Manager & Wetland Scientist #297
Gove Environmental Services, Inc.

Enc. ACOE Function-Value Form
Plan Set



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ACOE FUNCTION-VALUE FORM



Wetland Function-Value Evaluation Form

Total area of wetland Unknown Human made? no Is wetland part of a wildlife corridor? Yes or a "habitat island"? No

Adjacent land use Residential housing Distance to nearest roadway or other development Off

Dominant wetland systems present R2UBH Contiguous undeveloped buffer zone present No

Is the wetland a separate hydraulic system? No If not, where does the wetland lie in the drainage basin? Lower

How many tributaries contribute to the wetland? unknown Wildlife & vegetation diversity/abundance (see attached list)

Wetland I.D. Exeter River

Latitude _____ Longitude _____














Prepared by: BMW Date 6/1/23

Wetland Impact:
Type Stabilization _____ Area _____

Evaluation based on:

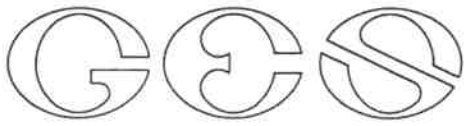
Office Yes Field Yes

Corps manual wetland delineation completed? Y Y N _____

Function/Value	Suitability Y / N	Rationale (Reference #)*	Principal Function(s)/Value(s)	Comments
 Groundwater Recharge/Discharge	Y	1,2,4,7,12,15	Y	Exeter river system with large contributing wetlands associated
 Floodflow Alteration	Y	1,3,4,5,7,8,9,10,11,12,13,14,16	Y	the sinuosity of the Exeter river and its associated floodplain wetlands assist in floodflow alteration
 Fish and Shellfish Habitat	Y	1,2,3,4,6,7,8,9,10,12,14,16,17	Y	Exeter River
 Sediment/Toxicant Retention	Y	1,3,4,8,10,11	Y	Exeter River with variable flow changes
 Nutrient Removal	Y	1,2,3,4,5,7	N	Exeter River itself doesn't have the vegetation within the resource to effectively remove nutrients
 Production Export	Y	1,2,4,5,6,10,11	Y	Exeter River that has regular flushing occur with rain events
 Sediment/Shoreline Stabilization	Y	1,2,3,4,6,8,9,14	Y	Vegetation along the bank assists in stabilizing the bank of the Exeter River
 Wildlife Habitat	Y	5,6,7,8,12,17,18,19,20,21,23	Y	Exeter River with adjacent wetlands and upland complexes
 Recreation	Y	2,5	N	Potential for recreation is available on the Exeter River but not at these locations
 Educational/Scientific Value	N		N	There is no access to the River from these locations
 Uniqueness/Heritage				Exeter River
 Visual Quality/Aesthetics				No public view points from these locations
 ES Endangered Species Habitat				See NHB
Other				

Notes:

* Refer to backup list of numbered considerations.



GOVE ENVIRONMENTAL SERVICES, INC.
PLAN SET

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info@gesinc.biz



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Appendix B

New Hampshire General Permits (GPs) Required Information and Corps Secondary Impacts Checklist

In order for the Corps of Engineers to properly evaluate your application, applicants must submit the following information along with the New Hampshire DES Wetlands Bureau application or permit notification forms. Some projects may require more information. For a more comprehensive checklist, go to <https://www.nae.usace.army.mil/Missions/Regulatory/> “Useful Documents, Forms and Publications” and then “Corps Application Form and Guidance.” Check with the Corps at (978) 318-8832 for project-specific requirements. For your convenience, this Appendix B is also attached to the State of New Hampshire DES Wetlands Bureau application and Permit by Notification forms.

All Projects:

- New Hampshire Department of Environmental Services (DES) Wetlands Permit Application.
- Request for Project Review Form by the New Hampshire Division of Historical Resources (DHR)
<https://www.nh.gov/nhdhr/review/rpr.htm>.
- Photographs of wetland/waterway to be impacted.
- Purpose of the project.
- Legible, reproducible plans no larger than 11”x17” with bar scale. Provide locus map and plan views of the entire property.
- Typical cross-section views of all wetland and waterway fill areas and wetland replication areas.
- In navigable waters, show mean low water (MLW) and mean high water (MHW) elevations. Show the high tide line (HTL) elevations when fill is involved. In other waters, show ordinary high water (OHW) elevation.
- On each plan, show the following for the project:
 - Vertical datum and the NAVD 1988 equivalent with the vertical units as U.S. feet. In coastal waters this may be mean higher high water (MHHW), mean high water (MHW), mean low water (MLW), mean lower low water (MLLW) or other tidal datum with the vertical units as U.S. feet. MLLW and MHHW are preferred. Provide the correction factor detailing how the vertical datum (e.g., MLLW) was derived using the latest National Tidal Datum Epoch for that area, typically 1983-2001.
 - Horizontal state plane coordinates in U.S. survey feet based on the Traverse Mercator Grid system for the State of New Hampshire (Zone 2800) NAD 83.
 - Project limits with existing and proposed conditions.
 - Limits of any Federal Navigation Project in the vicinity of the project area and horizontal State Plane Coordinates in U.S. survey feet for the limits of the proposed work closest to the Federal Navigation Project;
 - Volume, type, and source of fill material to be discharged into waters and wetlands, including the area(s) (in square feet or acres) of fill in wetlands, below the OHW in inland waters and below the HTL in coastal waters.
 - Delineation of all waterways and wetlands on the project site,;
- Use Federal delineation methods and include Corps wetland delineation data sheets (GC 2).
- For activities involving discharges of dredged or fill material into waters of the U.S., include a statement describing how impacts to waters of the U.S. are to be avoided and minimized, and either a statement describing how impacts to waters of the U.S. are to be compensated for (or a conceptual or detailed mitigation plan) or a statement explaining why compensatory mitigation should not be required for the proposed impacts. Please contact the Corps for guidance.



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**New Hampshire General Permits (GPs)
Appendix B - Corps Secondary Impacts Checklist
(for inland wetland/waterway fill projects in New Hampshire)**

1. Attach any explanations to this checklist. Lack of information could delay a Corps permit determination.
2. All references to “work” include all work associated with the project construction and operation. Work includes filling, clearing, flooding, draining, excavation, dozing, stumping, etc.
3. See GC 5, regarding single and complete projects.
4. Contact the Corps at (978) 318-8832 with any questions.

1. Impaired Waters	Yes	No
1.1 Will any work occur within 1 mile upstream in the watershed of an impaired water? See http://des.nh.gov/organization/divisions/water/wmb/section401/impaired_waters.htm to determine if there is an impaired water in the vicinity of your work area.*	X	
2. Wetlands	Yes	No
2.1 Are there are streams, brooks, rivers, ponds, or lakes within 200 feet of any proposed work?	X	
2.2 Are there proposed impacts to SAS, special wetlands. Applicants may obtain information from the NH Department of Resources and Economic Development Natural Heritage Bureau (NHB) DataCheck Tool for information about resources located on the property at https://www2.des.state.nh.us/nhb_datacheck/ . The book Natural Community Systems of New Hampshire also contains specific information about the natural communities found in NH.	X	
2.3 If wetland crossings are proposed, are they adequately designed to maintain hydrology, sediment transport & wildlife passage?	X	
2.4 Would the project remove part or all of a riparian buffer? (Riparian buffers are lands adjacent to streams where vegetation is strongly influenced by the presence of water. They are often thin lines of vegetation containing native grasses, flowers, shrubs and/or trees that line the stream banks. They are also called vegetated buffer zones.)		X
2.5 The overall project site is more than 40 acres?	X	
2.6 What is the area of the previously filled wetlands?	0	
2.7 What is the area of the proposed fill in wetlands?	0	
2.8 What is the % of previously and proposed fill in wetlands to the overall project site?	0	
3. Wildlife	Yes	No
3.1 Has the NHB & USFWS determined that there are known occurrences of rare species, exemplary natural communities, Federal and State threatened and endangered species and habitat, in the vicinity of the proposed project? (All projects require an NHB ID number & a USFWS IPAC determination.) NHB DataCheck Tool: https://www2.des.state.nh.us/nhb_datacheck/ USFWS IPAC website: https://ecos.fws.gov/ipac/location/index	X	

3.2 Would work occur in any area identified as either “Highest Ranked Habitat in N.H.” or “Highest Ranked Habitat in Ecological Region”? (These areas are colored magenta and green, respectively, on NH Fish and Game’s map, “2010 Highest Ranked Wildlife Habitat by Ecological Condition.”) Map information can be found at: <ul style="list-style-type: none"> • PDF: https://wildlife.state.nh.us/wildlife/wap-high-rank.html. • Data Mapper: www.granit.unh.edu. • GIS: www.granit.unh.edu/data/downloadfreedata/category/databycategory.html. 		X
3.3 Would the project impact more than 20 acres of an undeveloped land block (upland, wetland/waterway) on the entire project site and/or on an adjoining property(s)?		X
3.4 Does the project propose more than a 10-lot residential subdivision, or a commercial or industrial development?		X
3.5 Are stream crossings designed in accordance with the GC 21?	N/A	
4. Flooding/Floodplain Values	Yes	No
4.1 Is the proposed project within the 100-year floodplain of an adjacent river or stream?	X	
4.2 If 4.1 is yes, will compensatory flood storage be provided if the project results in a loss of flood storage?		N/A
5. Historic/Archaeological Resources		
For a minimum, minor or major impact project - a copy of the Request for Project Review (RPR) Form (www.nh.gov/nhdhr/review) with your DES file number shall be sent to the NH Division of Historical Resources as required on Page 11 GC 8(d) of the GP document**	X	

*Although this checklist utilizes state information, its submittal to the Corps is a Federal requirement.

** If your project is not within Federal jurisdiction, coordination with NH DHR is not required under Federal law.

New Hampshire Natural Heritage Bureau NHB DataCheck Results Letter

To: Stefanie Michaud, Jones & beach Engineers
85 Portsmouth Avenue

Stratham, NH 03885

From: NH Natural Heritage Bureau

Date: 2/16/2023 (valid until 2/16/2024)

Re: Review by NH Natural Heritage Bureau of request submitted 2/10/2023

Permits: MUNICIPAL POR - Exeter, NHDES - Shoreland Standard Permit, NHDES -
Wetland Standard Dredge & Fill - Major

NHB ID: NHB23-0483

Applicant: Stefanie Michaud

Location: Exeter
River Run

Project

Description: The project proposes the stabilization of an eroded bank of Exeter River. Erosion stabilization includes the construction of vegetated gabions, coir logs with plantings, and a minor natural retaining wall composed of log piles and tree tops all of which provide suitable natural habitats in addition to stabilizing the slope.

The NH Natural Heritage database has been checked by staff of the NH Natural Heritage Bureau and/or the NH Nongame and Endangered Species Program for records of rare species and exemplary natural communities near the area mapped below. The species considered include those listed as Threatened or Endangered by either the state of New Hampshire or the federal government.

It was determined that, although there was a NHB record (e.g., rare wildlife, plant, and/or natural community) present in the vicinity, we do not expect that it will be impacted by the proposed project. This determination was made based on the project information submitted via the NHB Datacheck Tool on 2/10/2023 9:49:16 AM, and cannot be used for any other project.

Based on the information submitted, no further consultation with the NH Fish and Game Department pursuant to Fis 1004 is required.

PHOTO LOG

RIVER RUN AT EXETER EXETER RIVER BANK STABILIZATION EXETER, NH

March, 2022 - April, 2023

PREPARED BY:

JONES & BEACH
ENGINEERS INC.

85 Portsmouth Avenue, PO Box 219, Stratham, NH 03885
603.772.4746 - JonesandBeach.com

AREA 1



PHOTO A



PHOTO B



PHOTO C



PHOTO D



PHOTO E

AREA 2



PHOTO F



PHOTO G



PHOTO H



PHOTO I

AREA 3



PHOTO J



PHOTO K



PHOTO L



PHOTO M



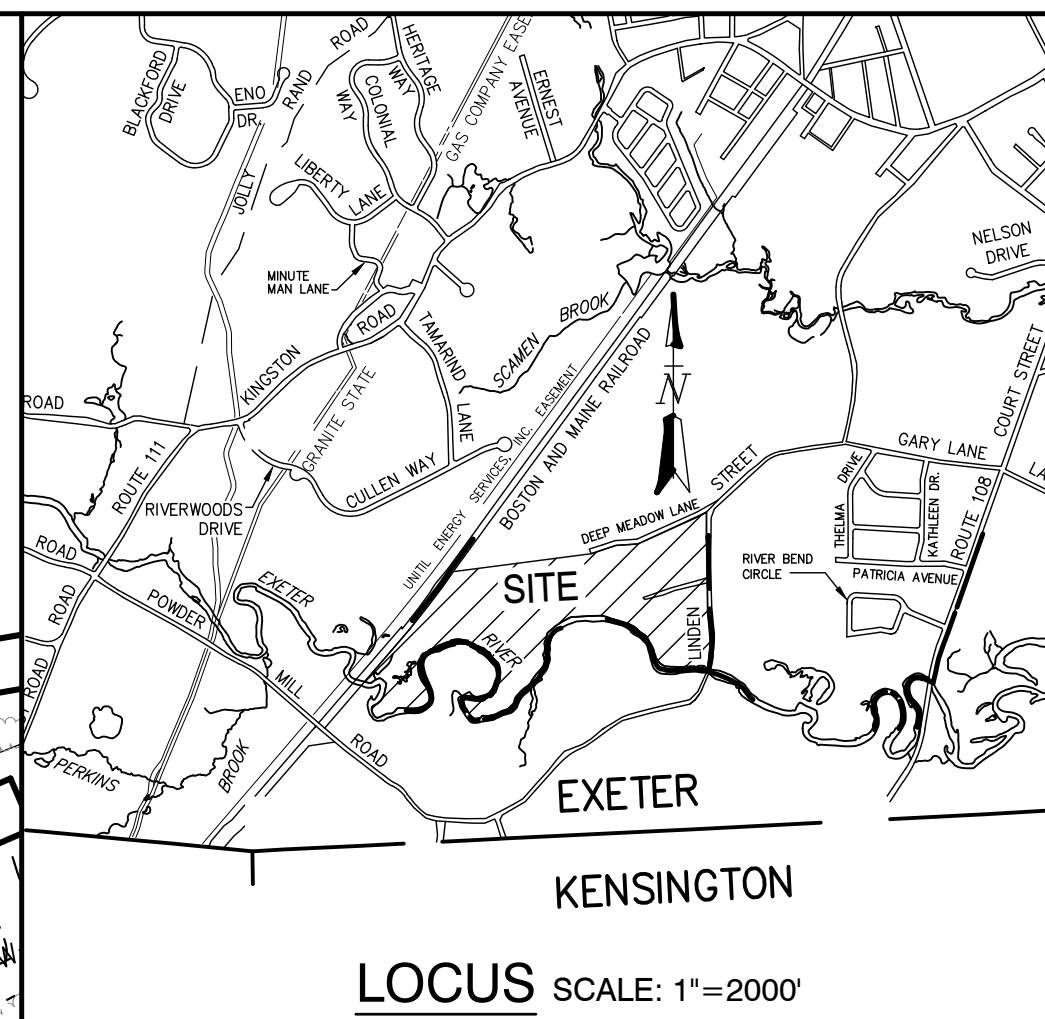
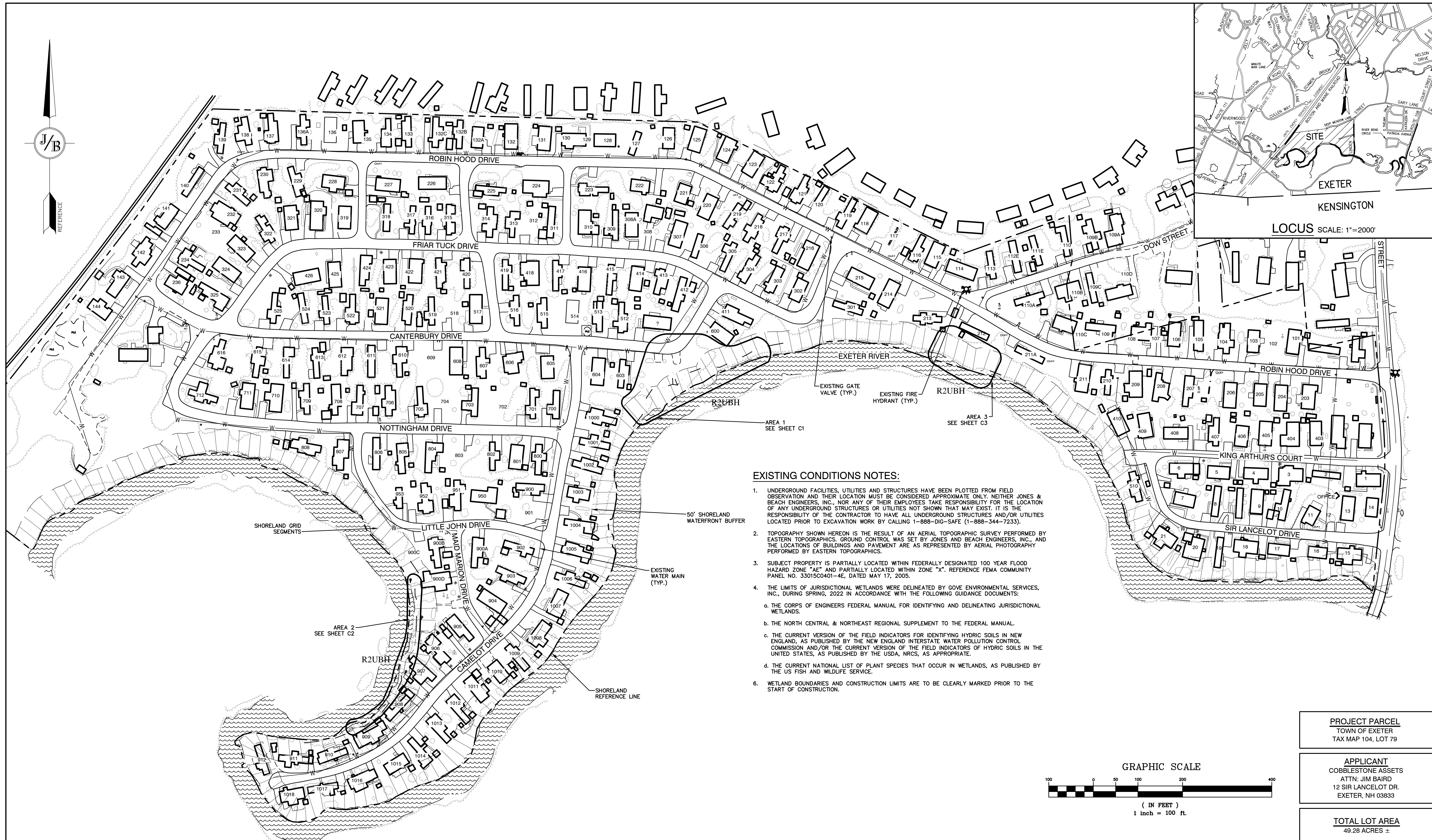
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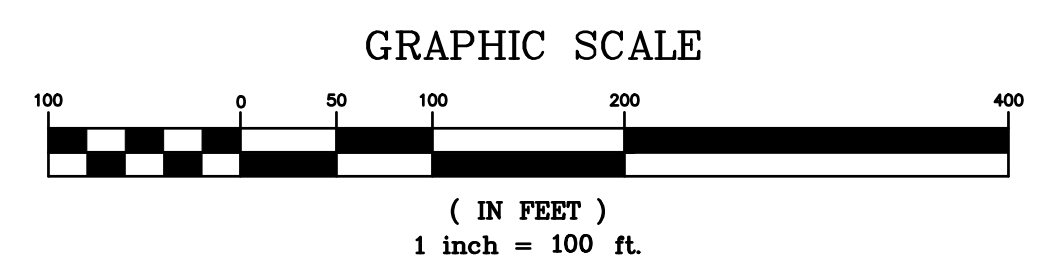


PHOTO P



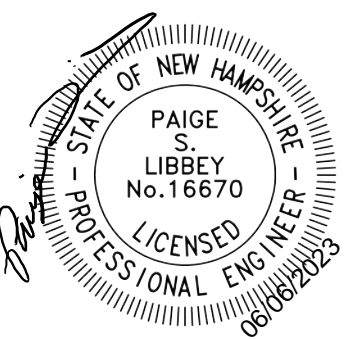
EXISTING CONDITIONS NOTES:

1. UNDERGROUND FACILITIES, UTILITIES AND STRUCTURES HAVE BEEN PLOTTED FROM FIELD OBSERVATION AND THEIR LOCATION MUST BE CONSIDERED APPROXIMATE ONLY. NEITHER JONES & BEACH ENGINEERS, INC., NOR ANY OF THEIR EMPLOYEES TAKE RESPONSIBILITY FOR THE LOCATION OF ANY UNDERGROUND STRUCTURES OR UTILITIES NOT SHOWN THAT MAY EXIST. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO HAVE ALL UNDERGROUND STRUCTURES AND/OR UTILITIES LOCATED PRIOR TO EXCAVATION WORK BY CALLING 1-888-DIG-SAFE (1-888-344-7233).
2. TOPOGRAPHY SHOWN HEREON IS THE RESULT OF AN AERIAL TOPOGRAPHIC SURVEY PERFORMED BY EASTERN TOPOGRAPHICS. GROUND CONTROL WAS SET BY JONES AND BEACH ENGINEERS, INC., AND THE LOCATIONS OF BUILDINGS AND PAVEMENT ARE AS REPRESENTED BY AERIAL PHOTOGRAPHY PERFORMED BY EASTERN TOPOGRAPHICS.
3. SUBJECT PROPERTY IS PARTIALLY LOCATED WITHIN FEDERALLY DESIGNATED 100 YEAR FLOOD HAZARD ZONE "AE" AND PARTIALLY LOCATED WITHIN ZONE "X". REFERENCE FEMA COMMUNITY PANEL NO. 33015C0401-4E, DATED MAY 17, 2005.
4. THE LIMITS OF JURISDICTIONAL WETLANDS WERE DELINEATED BY GOVE ENVIRONMENTAL SERVICES, INC., DURING SPRING, 2022 IN ACCORDANCE WITH THE FOLLOWING GUIDANCE DOCUMENTS:
 - a. THE CORPS OF ENGINEERS FEDERAL MANUAL FOR IDENTIFYING AND DELINEATING JURISDICTIONAL WETLANDS.
 - b. THE NORTH CENTRAL & NORTHEAST REGIONAL SUPPLEMENT TO THE FEDERAL MANUAL.
 - c. THE CURRENT VERSION OF THE FIELD INDICATORS FOR IDENTIFYING HYDRIC SOILS IN NEW ENGLAND, AS PUBLISHED BY THE NEW ENGLAND INTERSTATE WATER POLLUTION CONTROL COMMISSION AND/OR THE CURRENT VERSION OF THE FIELD INDICATORS OF HYDRIC SOILS IN THE UNITED STATES, AS PUBLISHED BY THE USDA, NRCS, AS APPROPRIATE.
 - d. THE CURRENT NATIONAL LIST OF PLANT SPECIES THAT OCCUR IN WETLANDS, AS PUBLISHED BY THE US FISH AND WILDLIFE SERVICE.
6. WETLAND BOUNDARIES AND CONSTRUCTION LIMITS ARE TO BE CLEARLY MARKED PRIOR TO THE START OF CONSTRUCTION.



PROJECT PARCEL TOWN OF EXETER TAX MAP 104, LOT 79
APPLICANT COBBLESTONE ASSETS ATTN: JIM BAIRD 12 SIR LANCELOT DR. EXETER, NH 03833
TOTAL LOT AREA 49.28 ACRES ±

Design: PSL Draft: ERE Date: 05/31/23
 Checked: PSL Scale: AS SHOWN Project No.: 11188.1
 Drawing Name: 11188-PLAN-2022.dwg
 THIS PLAN SHALL NOT BE MODIFIED WITHOUT WRITTEN PERMISSION FROM JONES & BEACH ENGINEERS, INC. (JBE). ANY ALTERATIONS, AUTHORIZED OR OTHERWISE, SHALL BE AT THE USER'S SOLE RISK AND WITHOUT LIABILITY TO JBE.



REV.	DATE	REVISION	BY
0	05/31/23	ISSUED FOR REVIEW	ERE

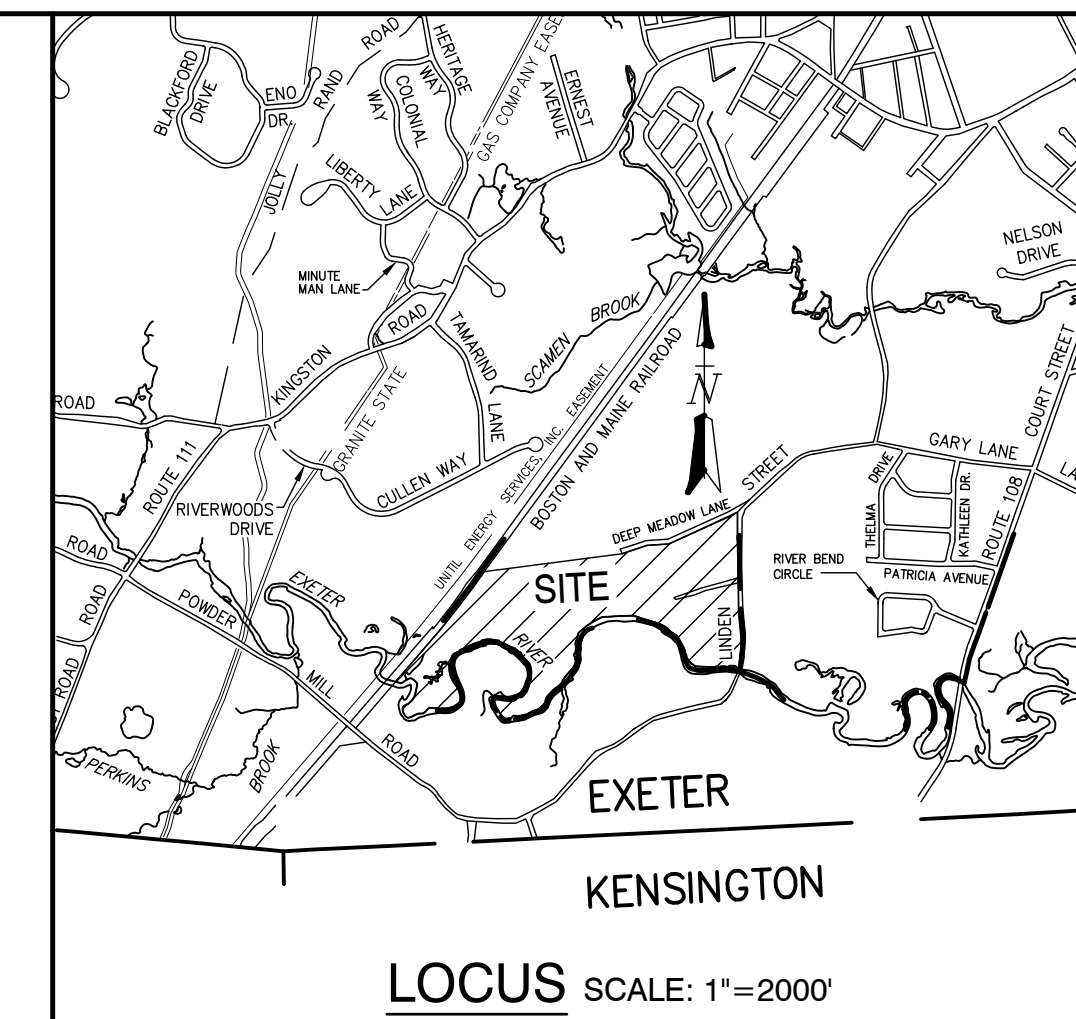
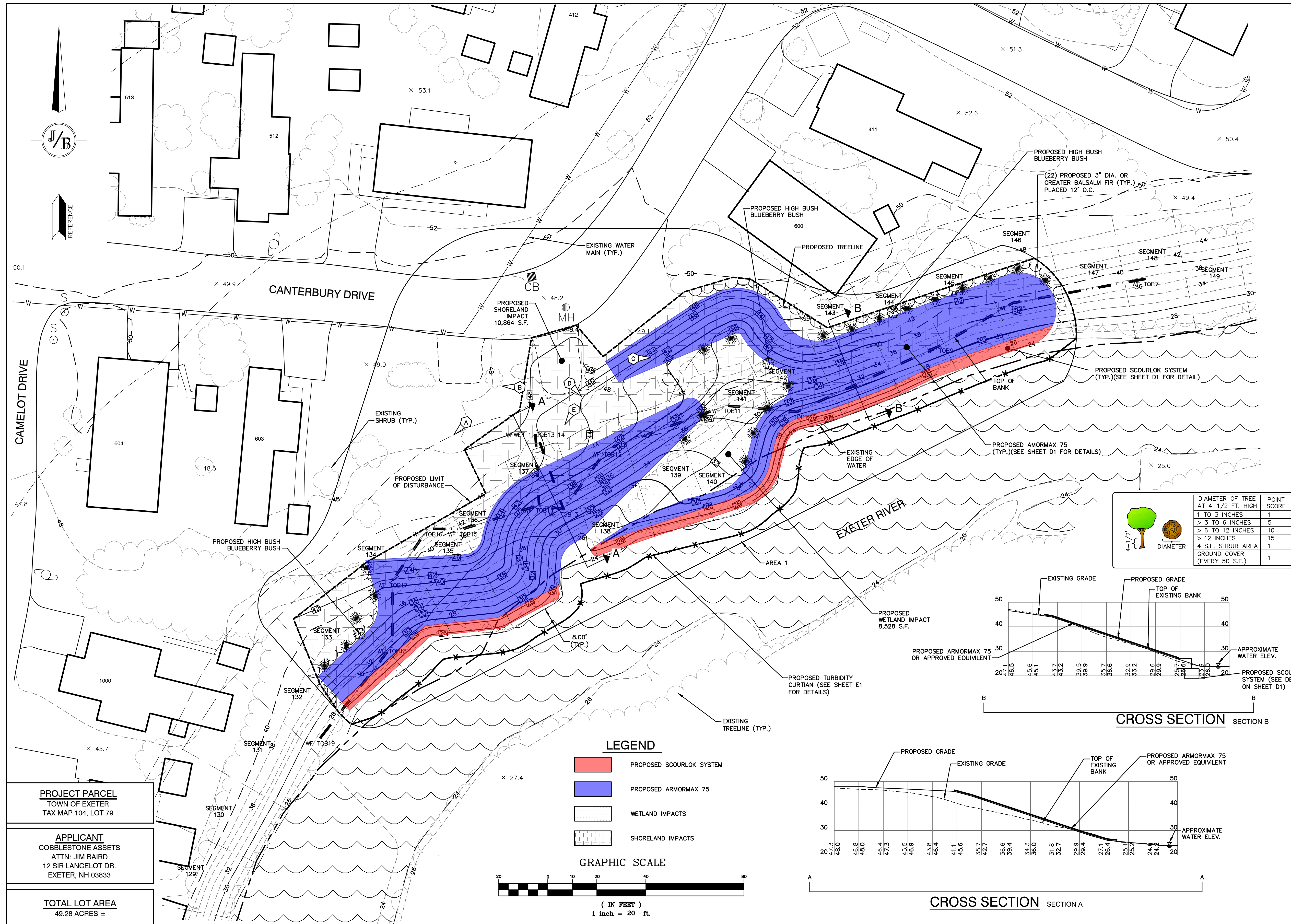
Designed and Produced in NH

J/B Jones & Beach Engineers, Inc.
Civil Engineering Services

85 Portsmouth Ave. PO Box 219 Stratham, NH 03885 603-772-4746 FAX: 603-772-0227 E-MAIL: JBE@JONESANDBEACH.COM

Plan Name:	OVERVIEW EXISTING CONDITIONS PLAN
Project:	BANK STABILIZATION PHASE 1 RIVER RUN AT EXETER, EXETER, NH
Owner of Record:	COBBLESTONE II LEX, LLC ATTN: ERIK HAGEN 17W220 22ND ST., SUITE 220, OAKBRIDGE TERRACE, IL 60181 BK 6350 PG 270

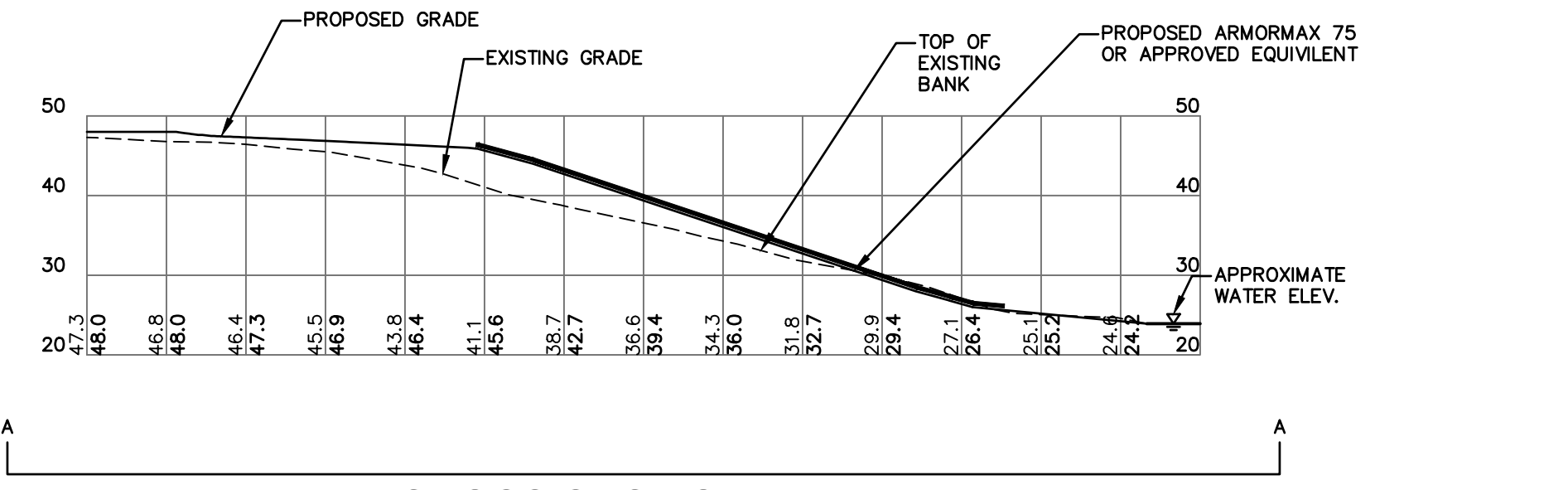
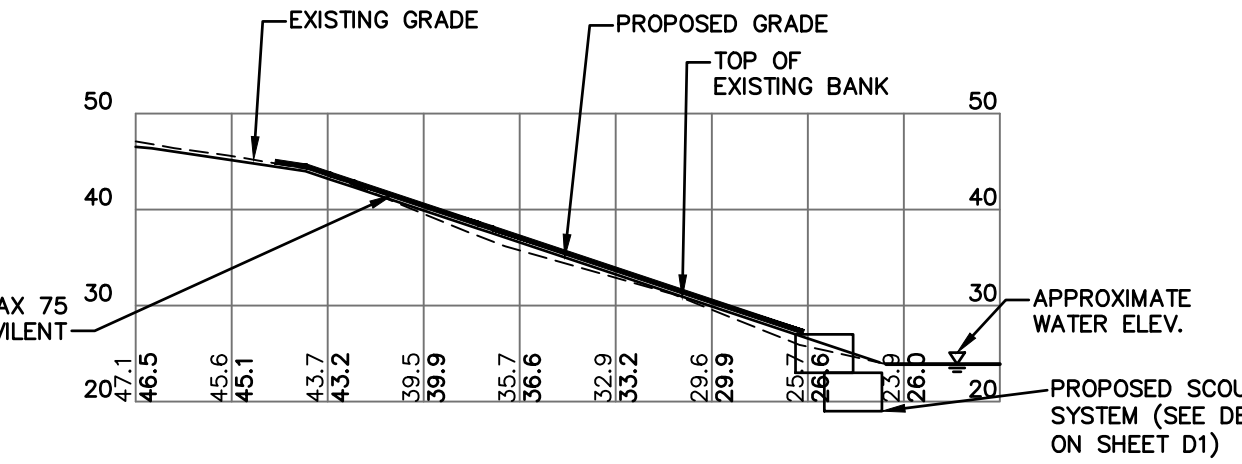
DRAWING No.
OV-1
SHEET 1 OF 5
JBE PROJECT NO. 11188.1



- NOTES:**
1. THE INTENT OF THIS PLAN IS TO SHOW THE PROPOSED BANK STABILIZATION ALONG EXETER RIVER IN EXETER, NH.
 2. C1-C3 SHOW THE TREE SCORING FOR THE SEGMENTS OF THE REFERENCE LINE THAT HAVE PROPOSED CHANGES. THERE IS NO PROPOSED WORK IN THE REST OF THE SEGMENTS ALONG THE REFERENCE LINE.
 3. ALL TREE CLEARING WITHIN THE 50' WATERFRONT BUFFER ZONE TO CONFORM WITH "VEGETATION FOR WATER QUALITY FACT SHEET" SP-5 AND RELATED RSAs. GRID SEGMENTS SHOWN MUST MAINTAIN 25 POINTS PER 25 FT. SEGMENT. POINT SCORING IS SHOWN IN THE TABLE BELOW.

TREE-SCORING		
SEGMENT #	EXISTING SCORE	PROPOSED SCORE
129	TOTAL = > 25 PNTS	NO DISTURBANCE PROPOSED
130	TOTAL = > 25 PNTS	NO DISTURBANCE PROPOSED
131	TOTAL = > 25 PNTS	NO DISTURBANCE PROPOSED
132	TOTAL = > 25 PNTS (WOODED WITH 12" + TREES)	TOTAL = > 25 PNTS
133	TOTAL = > 25 PNTS (WOODED WITH 12" + TREES)	TOTAL=25 POINTS ((3) 3"+ DIA. TREE, (1) SHRUBS+ 474 SF GROUND COVER)
134	TOTAL = > 25 PNTS (WOODED WITH 12" + TREES)	TOTAL=27 POINTS ((2) 3"+ DIA. TREE, AND 871 SF GROUND COVER)
135	TOTAL = 0 PNTS	TOTAL=16 POINTS (815 SF GROUND COVER)
136	TOTAL = 0 PNTS	TOTAL=22 POINTS (1,098 SF GROUND COVER)
137	TOTAL = 0 PNTS	TOTAL=15 POINTS (749 SF GROUND COVER)
138	TOTAL = 0 PNTS	TOTAL=17 POINTS (880 SF GROUND COVER)
139	TOTAL = 0 PNTS	TOTAL=12 POINTS (625 SF GROUND COVER)
140	TOTAL = 20 PNTS ((2) 6"-12" TREES)	TOTAL=23 POINTS ((3) 3"+ DIA. TREE, 413 SF GROUND COVER)
141	TOTAL = > 25 PNTS (WOODED WITH 12" + TREES)	TOTAL=27 POINTS ((4) 3"+ DIA. TREE, 355 SF GROUND COVER)
142	TOTAL = > 25 PNTS (WOODED WITH 12" + TREES)	TOTAL=25 POINTS ((1) 3"+ DIA. TREE, (1) SHRUBS+ 984 SF GROUND COVER)
143	TOTAL = > 25 PNTS (WOODED WITH 12" + TREES)	TOTAL=25 POINTS ((2) 3"+ DIA. TREE, 787 SF GROUND COVER)
144	TOTAL = > 25 PNTS (WOODED WITH 12" + TREES)	TOTAL=25 POINTS ((2) 3"+ DIA. TREE, (1) SHRUB, 738 SF GROUND COVER)
145	TOTAL = > 25 PNTS (WOODED WITH 12" + TREES)	TOTAL=25 POINTS ((2) 3"+ DIA. TREE, 776 SF GROUND COVER)
146	TOTAL = > 25 PNTS (WOODED WITH 12" + TREES)	TOTAL=27 POINTS ((3) 3"+ DIA. TREE, 598 SF GROUND COVER)
147	TOTAL = > 25 PNTS	NO DISTURBANCE PROPOSED
148	TOTAL = > 25 PNTS	NO DISTURBANCE PROPOSED
149	TOTAL = > 25 PNTS	NO DISTURBANCE PROPOSED

DIAMETER OF TREE AT 4-1/2 FT. HIGH		
1 TO 3 INCHES	POINT SCORE	1
> 3 TO 6 INCHES	POINT SCORE	5
> 6 TO 12 INCHES	POINT SCORE	10
> 12 INCHES	POINT SCORE	15
4 S.F. SHRUB AREA GROUND COVER (EVERY 50 S.F.)	POINT SCORE	1



LEGEND

- PROPOSED SCOURLOK SYSTEM
- PROPOSED ARMORMAX 75
- WETLAND IMPACTS
- SHORELAND IMPACTS

GRAPHIC SCALE
(IN FEET)
1 inch = 20 ft.

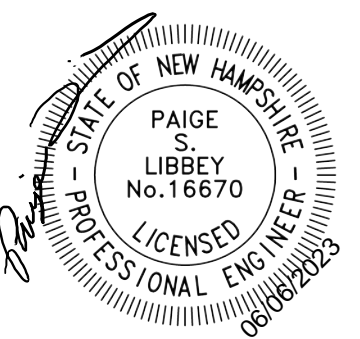
PROJECT PARCEL
TOWN OF EXETER
TAX MAP 104, LOT 79

APPLICANT
COBBLESTONE ASSETS
ATTN: JIM BAIRD
12 SIR LANCELOT DR.
EXETER, NH 03833

TOTAL LOT AREA
49.28 ACRES ±

Design: PSL Draft: ERE Date: 05/31/23
Checked: PSL Scale: AS SHOWN Project No.: 11188.1
Drawing Name: 11188-PLAN-2022.dwg

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REV.	DATE	REVISION	BY
0	05/31/23	ISSUED FOR REVIEW	ERE

Designed and Produced in NH

J/B Jones & Beach Engineers, Inc.
Civil Engineering Services

85 Portsmouth Ave. PO Box 219 Stratham, NH 03885
603-772-4746 FAX: 603-772-0227 E-MAIL: JBE@JONESANDBEACH.COM

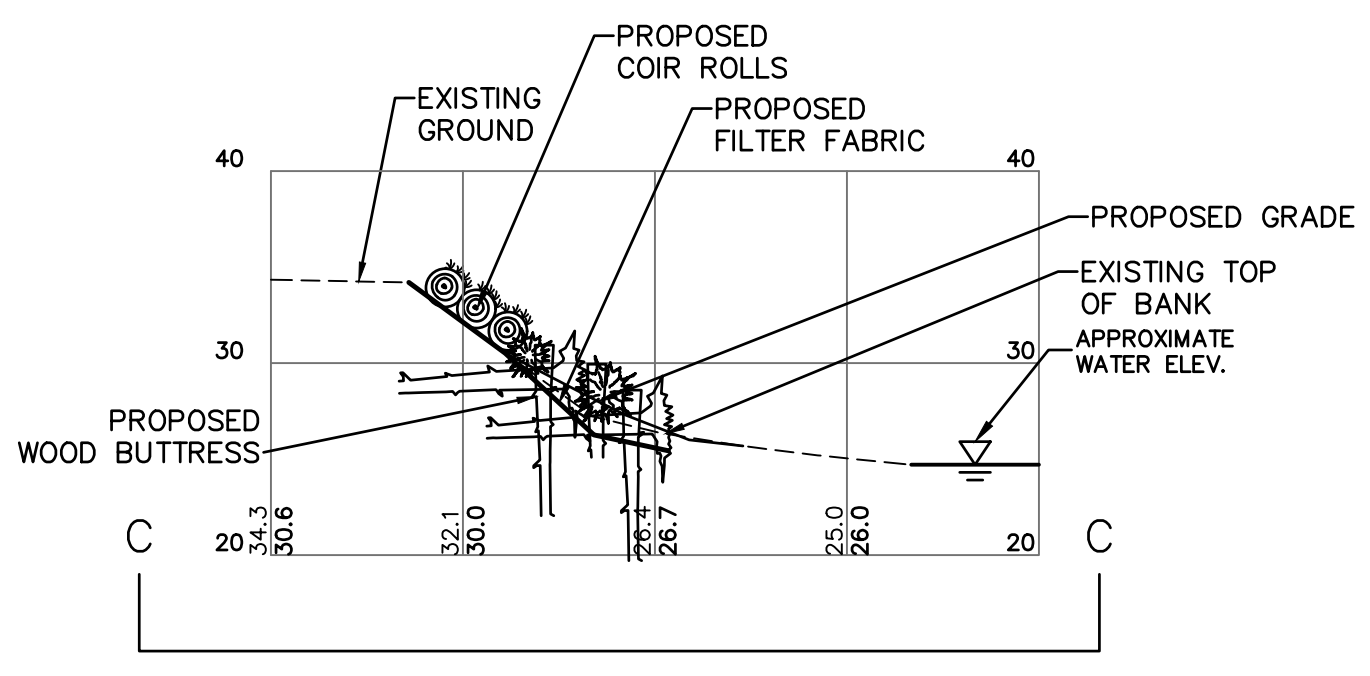
Plan Name: **BANK STABILIZATION PLAN**

Project: **BANK STABILIZATION PHASE 1 "AREA 1" RIVER RUN AT EXETER, EXETER, NH**

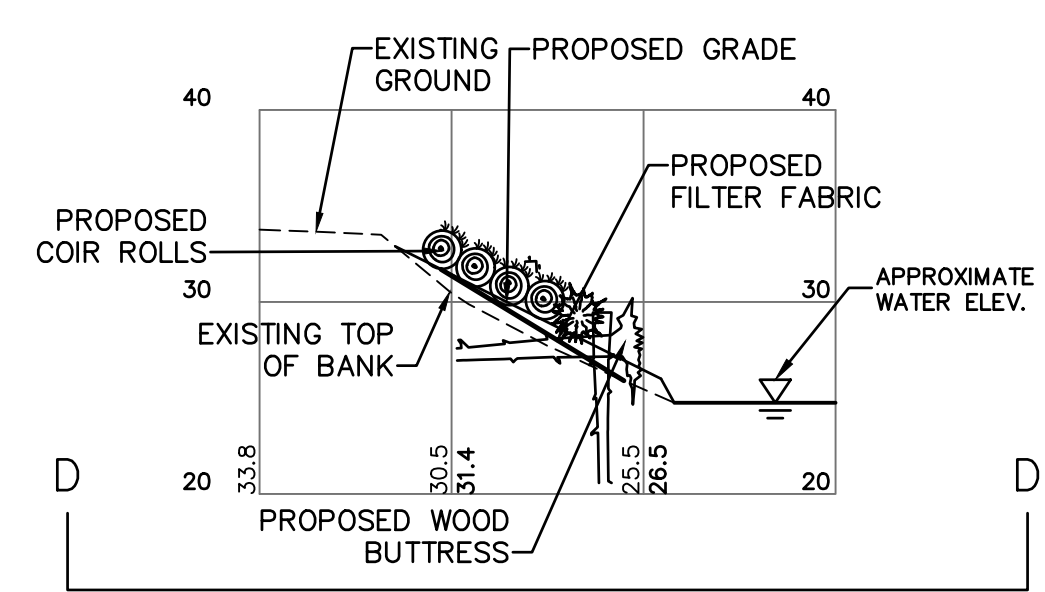
Owner of Record: COBBLESTONE II LEX, LLC ATTN: ERIK HAGEN
17W220 22ND ST., SUITE 220, OAKBRIDGE TERRACE, IL 60181 BK 6350 PG 270

DRAWING No. **C1**

SHEET 2 OF 5
JBE PROJECT NO. 11188.1



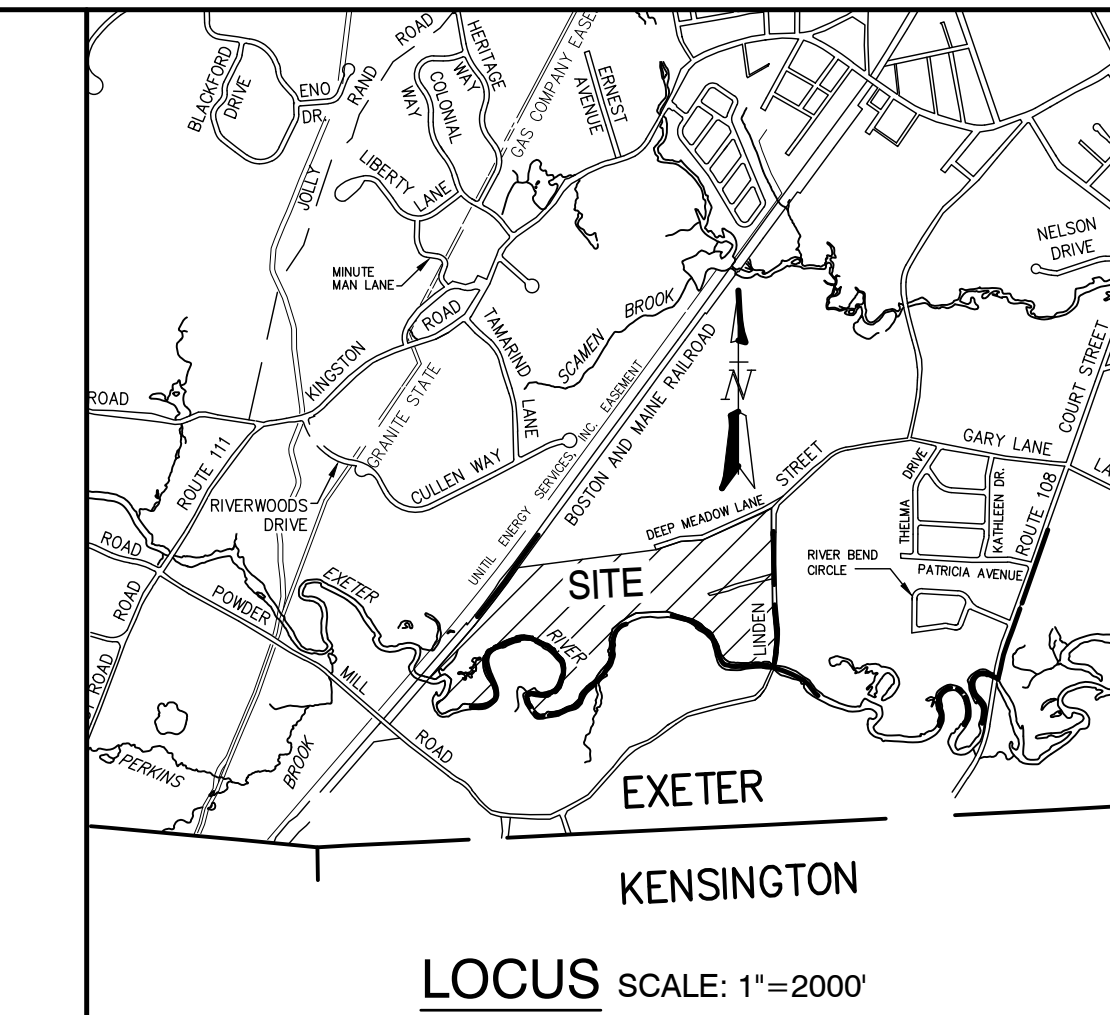
CROSS SECTION SECTION C



CROSS SECTION SECTION D

LEGEND

	PROPOSED COIR ROLLS
	WETLAND IMPACTS
	SHORELAND IMPACTS

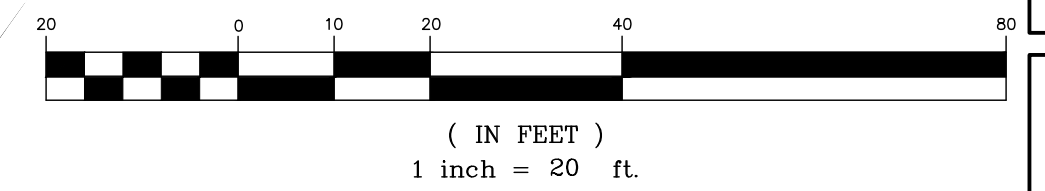


- NOTES:**
- THE INTENT OF THIS PLAN IS TO SHOW THE PROPOSED BANK STABILIZATION ALONG EXETER RIVER IN EXETER, NH.
 - ALL TREE CLEARING WITHIN THE 50' WATERFRONT BUFFER ZONE TO CONFORM WITH "VEGETATION FOR WATER QUALITY FACT SHEET" SP-5 AND RELATED RES. GRID SEGMENTS SHOWN MUST MAINTAIN 25 POINTS PER 25 FT. SEGMENT. POINT SCORING IS SHOWN IN THE TABLE BELOW:

TREE-SCORING		
SEGMENT #	EXISTING SCORE	PROPOSED SCORE
44	TOTAL = 10 PNTS ((2) 3"-6" TREES)	TOTAL = 3 POINTS ((2) SHRUBS+ 50 SF GROUND COVER (WAIVER REQUESTED))
45	TOTAL = >25 PNTS ((1) 12"+ TREE, (2) 8"+ TREE, (2) 6"+ TREES)	TOTAL = 6 POINTS ((4) SHRUBS+ 100 SF GROUND COVER (WAIVER REQUESTED))
46	0	TOTAL = 7 POINTS ((5) SHRUBS+ 100 SF GROUND COVER)
47	TOTAL = >25 PNTS ((1) 12"+ TREE, (1) 6"+ TREE, (5) 3"-6" TREES)	TOTAL = 6 POINTS ((4) SHRUBS+ 100 SF GROUND COVER (WAIVER REQUESTED))
48	0	TOTAL = 6 POINTS ((4) SHRUBS+ 100 SF GROUND COVER)
49	TOTAL = 10 PNTS ((1) 6"+ TREE)	TOTAL = 7 POINTS ((5) SHRUBS+ 100 SF GROUND COVER (WAIVER REQUESTED))
50	TOTAL = 2 PNTS ((2) 1"-3" TREES)	TOTAL = 6 POINTS ((4) SHRUBS+ 100 SF GROUND COVER)
51	TOTAL = 12 PNTS ((2) 3"-6" TREE, AND (2) 1"-3" TREES)	TOTAL = 5 POINTS ((3) SHRUBS+ 100 SF GROUND COVER (WAIVER REQUESTED))
52	TOTAL = >25 PNTS ((1) 12"+ TREE, (3) 3"-6" TREES)	TOTAL = 7 POINTS ((5) SHRUBS+ 100 SF GROUND COVER (WAIVER REQUESTED))
53	TOTAL = >25 PNTS ((5) 3"-6" TREES)	TOTAL = 6 POINTS ((4) SHRUBS+ 100 SF GROUND COVER (WAIVER REQUESTED))
54	TOTAL = >25 PNTS ((1) 8"+ TREE, AND (4) 3"-6" TREES)	TOTAL = 6 POINTS ((4) SHRUBS+ 100 SF GROUND COVER (WAIVER REQUESTED))
55	TOTAL = 20 PNTS ((4) 3"-6" TREES)	TOTAL = 7 POINTS ((5) SHRUBS+ 100 SF GROUND COVER (WAIVER REQUESTED))
56	TOTAL = 2 PNTS ((2) 1"-3" TREES)	TOTAL = 6 POINTS ((4) SHRUBS+ 100 SF GROUND COVER)
57	TOTAL = 10 PNTS ((1) 6"-12" TREES)	TOTAL = 6 POINTS ((4) SHRUBS+ 100 SF GROUND COVER (WAIVER REQUESTED))
58	TOTAL = 11 PNTS ((2) 3"-6" TREES, AND (1) 1"-3" TREES)	TOTAL = 6 POINTS ((4) SHRUBS+ 100 SF GROUND COVER (WAIVER REQUESTED))
59	TOTAL = 20 PNTS ((4) 3"-6" TREES)	TOTAL = 4 POINTS ((3) SHRUBS+ 50 SF GROUND COVER (WAIVER REQUESTED))

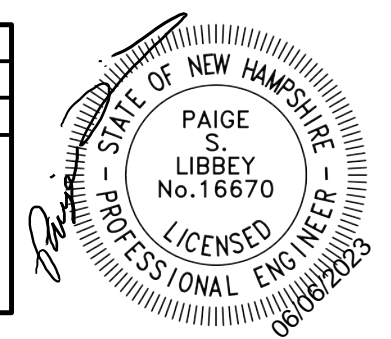
DIAMETER OF TREE AT 4-1/2 FT. HIGH	POINT SCORE
1 TO 3 INCHES	1
> 3 TO 6 INCHES	5
> 6 TO 12 INCHES	10
> 12 INCHES	15
4 S.F. SHRUB AREA	1
GROUND COVER (EVERY 50 S.F.)	1

GRAPHIC SCALE



PROJECT PARCEL TOWN OF EXETER TAX MAP 104, LOT 79
APPLICANT COBBLESTONE ASSETS ATTN: JIM BAIRD 12 SIR LANCELOT DR. EXETER, NH 03833
TOTAL LOT AREA 49.28 ACRES ±

Design: PSL Draft: ERE Date: 05/31/23
 Checked: PSL Scale: AS SHOWN Project No.: 11188.1
 Drawing Name: 11188-PLAN-2022.dwg
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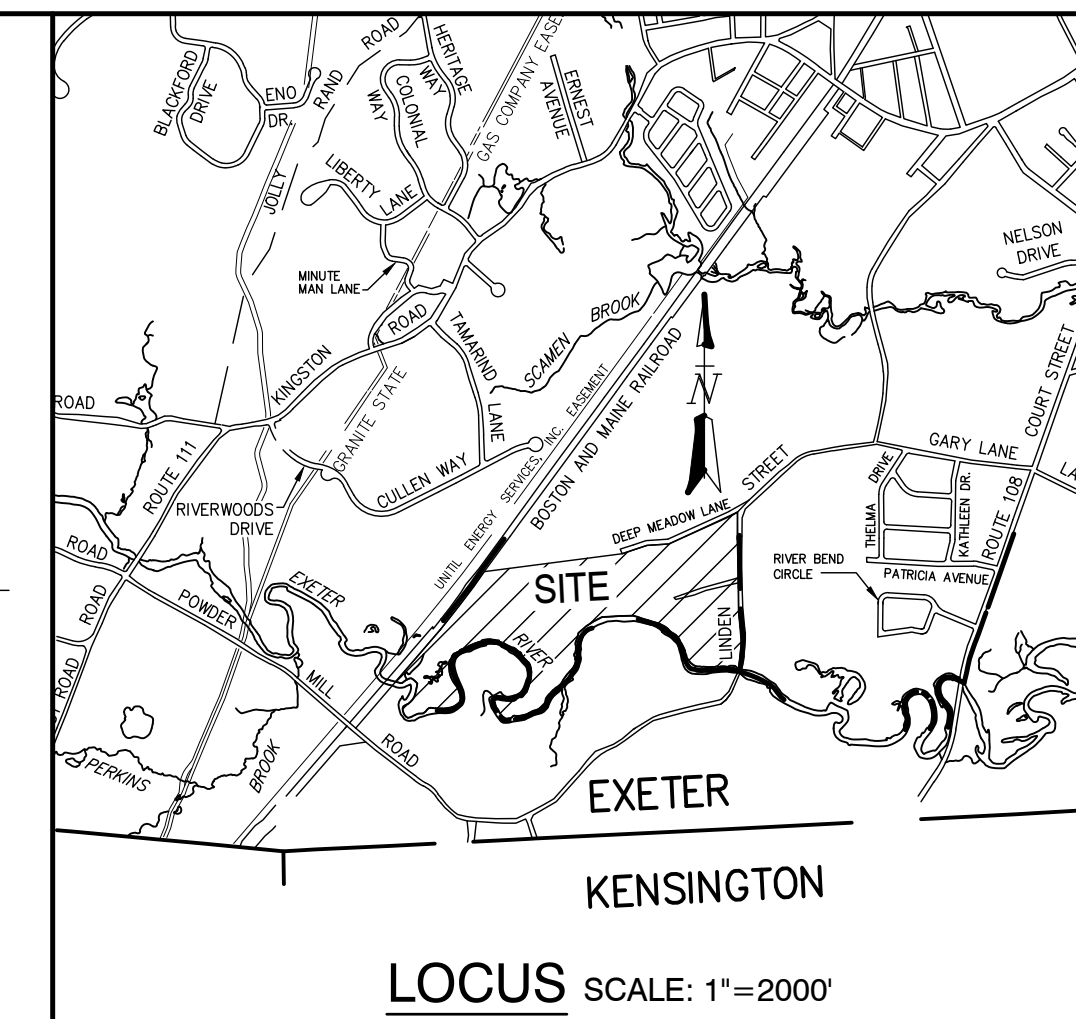
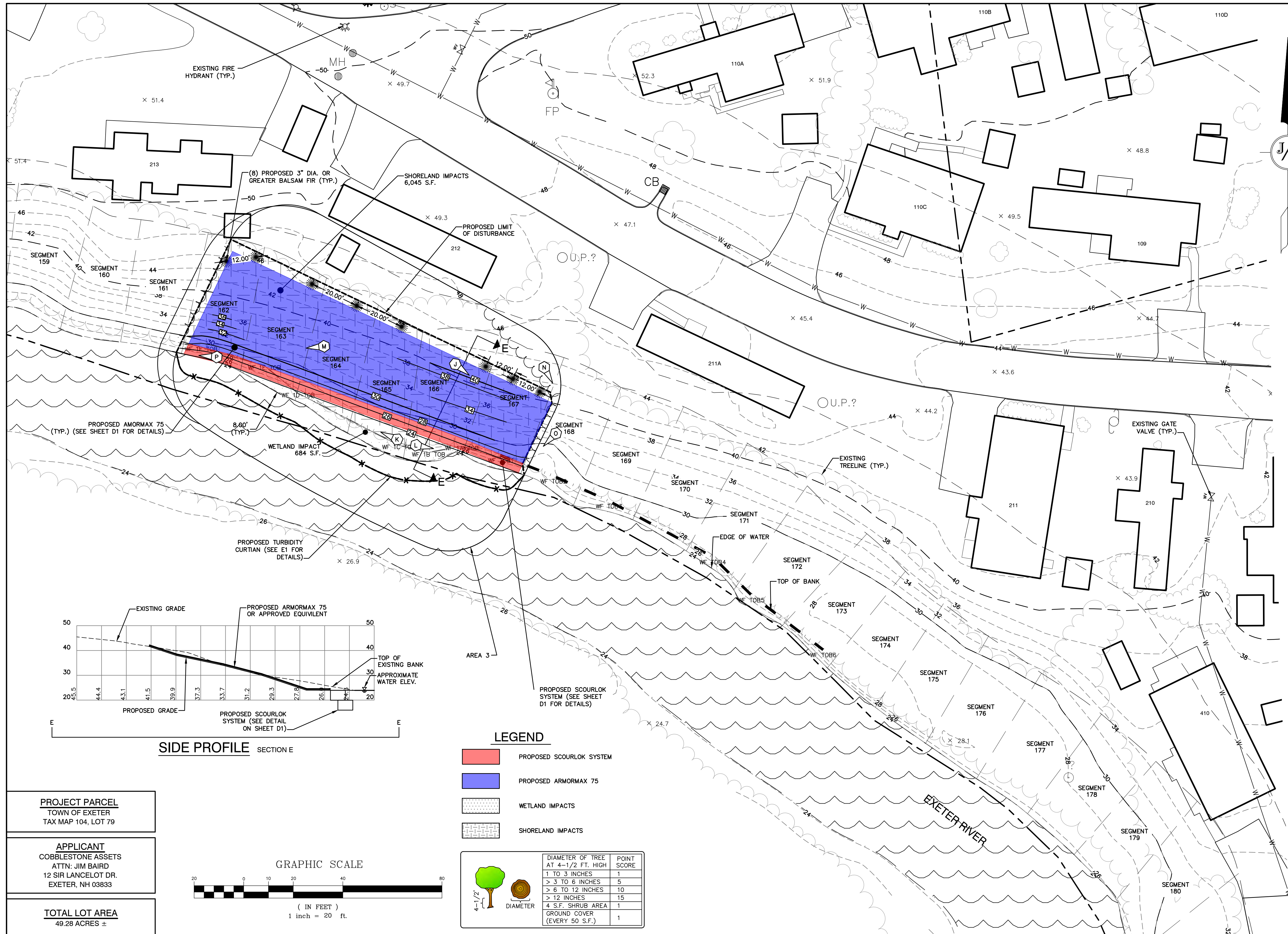
REV.	DATE	REVISION	BY
0	05/31/23	ISSUED FOR REVIEW	ERE

Designed and Produced in NH

J/B Jones & Beach Engineers, Inc.
 Civil Engineering Services
 85 Portsmouth Ave. PO Box 219 Stratham, NH 03885
 603-772-4746 FAX: 603-772-0227 E-MAIL: JBE@JONESANDBEACH.COM

Plan Name:	BANK STABILIZATION PLAN
Project:	BANK STABILIZATION PHASE 1 "AREA 2" RIVER RUN AT EXETER, EXETER, NH
Owner of Record:	COBBLESTONE II LEX, LLC ATTN: ERIK HAGEN 17W220 22ND ST., SUITE 220, OAKBRIDGE TERRACE, IL 60181 BK 6350 PG 270

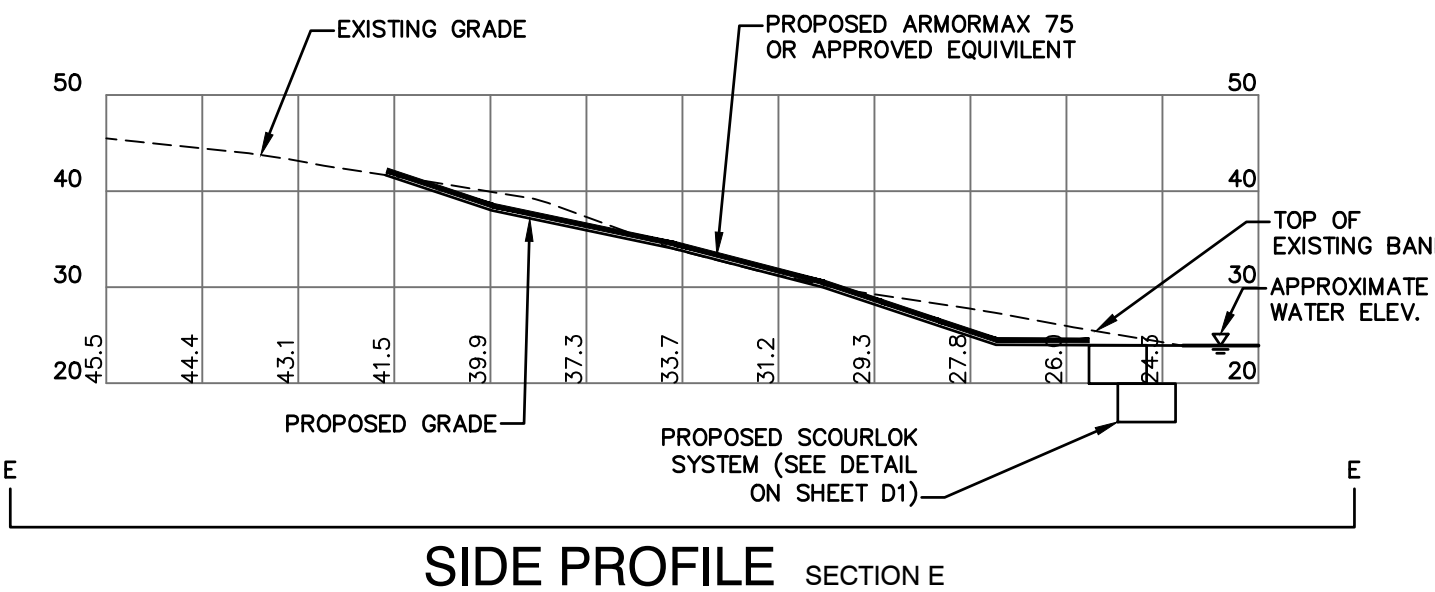
DRAWING No. **C2**
 SHEET 3 OF 5
 JBE PROJECT NO. 11188.1



NOTES:

1. THE INTENT OF THIS PLAN IS TO SHOW THE PROPOSED BANK STABILIZATION ALONG EXETER RIVER IN EXETER, NH.
2. ALL TREE CLEARING WITHIN THE 50' WATERFRONT BUFFER ZONE TO CONFORM WITH "VEGETATION FOR WATER QUALITY FACT SHEET" SP-5 AND RELATED RSAs. GRID SEGMENTS SHOWN MUST MAINTAIN 25 POINTS PER 25 FT. SEGMENT. POINT SCORING IS SHOWN IN THE TABLE BELOW:

TREE-SCORING		
SEGMENT #	EXISTING SCORE	PROPOSED SCORE
159	TOTAL = > 25 PNTS	NO DISTURBANCE PROPOSED
160	TOTAL = > 25 PNTS	NO DISTURBANCE PROPOSED
161	TOTAL = > 25 PNTS	NO DISTURBANCE PROPOSED
162	TOTAL = > 25 PNTS (WOODED WITH 12" + TREES)	TOTAL=26 POINTS ((2) 3"+ DIA. TREE, AND 798 SF GROUND COVER)
163	TOTAL = > 25 PNTS (WOODED WITH 12" + TREES)	TOTAL=25 POINTS ((1) 3"+ DIA. TREE, 1,113 SF GROUND COVER)
164	TOTAL = > 25 PNTS (WOODED WITH 12" + TREES)	TOTAL=25 POINTS ((1) 3"+ DIA. TREE, AND 1,048 SF GROUND COVER)
165	TOTAL = > 25 PNTS (WOODED WITH 12" + TREES)	TOTAL=25 POINTS ((1) 3"+ DIA. TREE, AND 1,039 SF GROUND COVER)
166	TOTAL = > 25 PNTS (WOODED WITH 12" + TREES)	TOTAL=25 POINTS ((1) 3"+ DIA. TREE, AND 815 SF GROUND COVER)
167	TOTAL = > 25 PNTS (WOODED WITH 12" + TREES)	TOTAL=25 POINTS ((2) 3"+ DIA. TREE, AND 815 SF GROUND COVER)
168	TOTAL = > 25 PNTS (WOODED WITH 12" + TREES)	TOTAL = > 25 PNTS
169	TOTAL = > 25 PNTS	NO DISTURBANCE PROPOSED
170	TOTAL = > 25 PNTS	NO DISTURBANCE PROPOSED
171	TOTAL = > 25 PNTS	NO DISTURBANCE PROPOSED
172	TOTAL = > 25 PNTS	NO DISTURBANCE PROPOSED
173	TOTAL = > 25 PNTS	NO DISTURBANCE PROPOSED
174	TOTAL = > 25 PNTS	NO DISTURBANCE PROPOSED
175	TOTAL = > 25 PNTS	NO DISTURBANCE PROPOSED
176	TOTAL = > 25 PNTS	NO DISTURBANCE PROPOSED
177	TOTAL = > 25 PNTS	NO DISTURBANCE PROPOSED
178	TOTAL = > 25 PNTS	NO DISTURBANCE PROPOSED
179	TOTAL = > 25 PNTS	NO DISTURBANCE PROPOSED
180	TOTAL = > 25 PNTS	NO DISTURBANCE PROPOSED



LEGEND

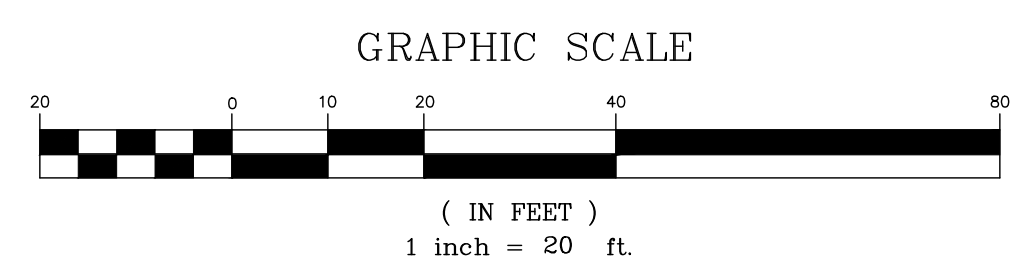
- PROPOSED SCOURLOK SYSTEM
- PROPOSED ARMORMAX 75
- WETLAND IMPACTS
- SHORELAND IMPACTS

DIAMETER OF TREE AT 4-1/2 FT. HIGH	POINT SCORE
1 TO 3 INCHES	1
> 3 TO 6 INCHES	5
> 6 TO 12 INCHES	10
> 12 INCHES	15
4 S.F. SHRUB AREA	1
GROUND COVER (EVERY 50 S.F.)	1

PROJECT PARCEL
TOWN OF EXETER
TAX MAP 104, LOT 79

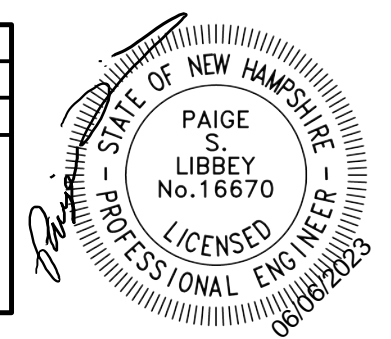
APPLICANT
COBBLESTONE ASSETS
ATTN: JIM BAIRD
12 SIR LANCELOT DR.
EXETER, NH 03833

TOTAL LOT AREA
49.28 ACRES ±



Design: PSL Draft: ERE Date: 05/31/23
Checked: PSL Scale: AS SHOWN Project No.: 11188.1
Drawing Name: 11188-PLAN-2022.dwg

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REV.	DATE	REVISION	BY
0	05/31/23	ISSUED FOR REVIEW	ERE

Designed and Produced in NH

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85 Portsmouth Ave. PO Box 219 Stratham, NH 03885
603-772-4746
FAX: 603-772-0227
E-MAIL: JBE@JONESANDBEACH.COM

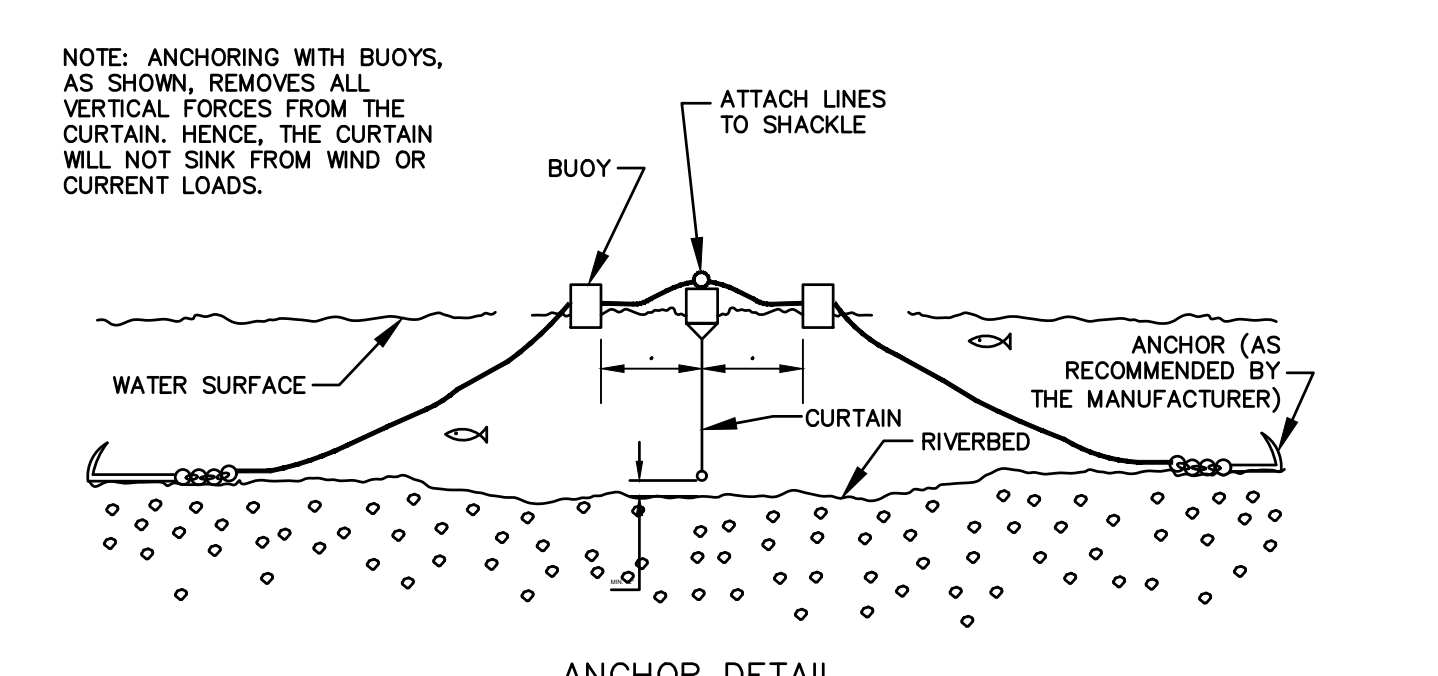
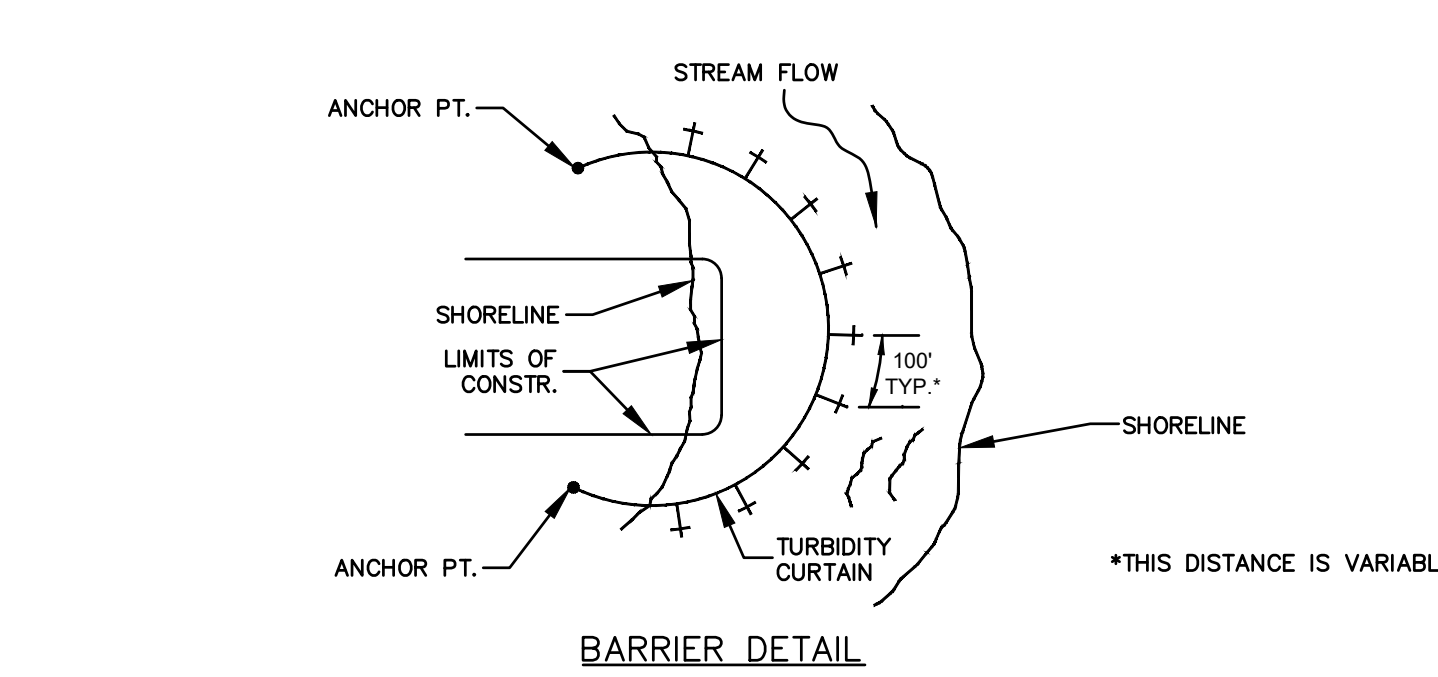
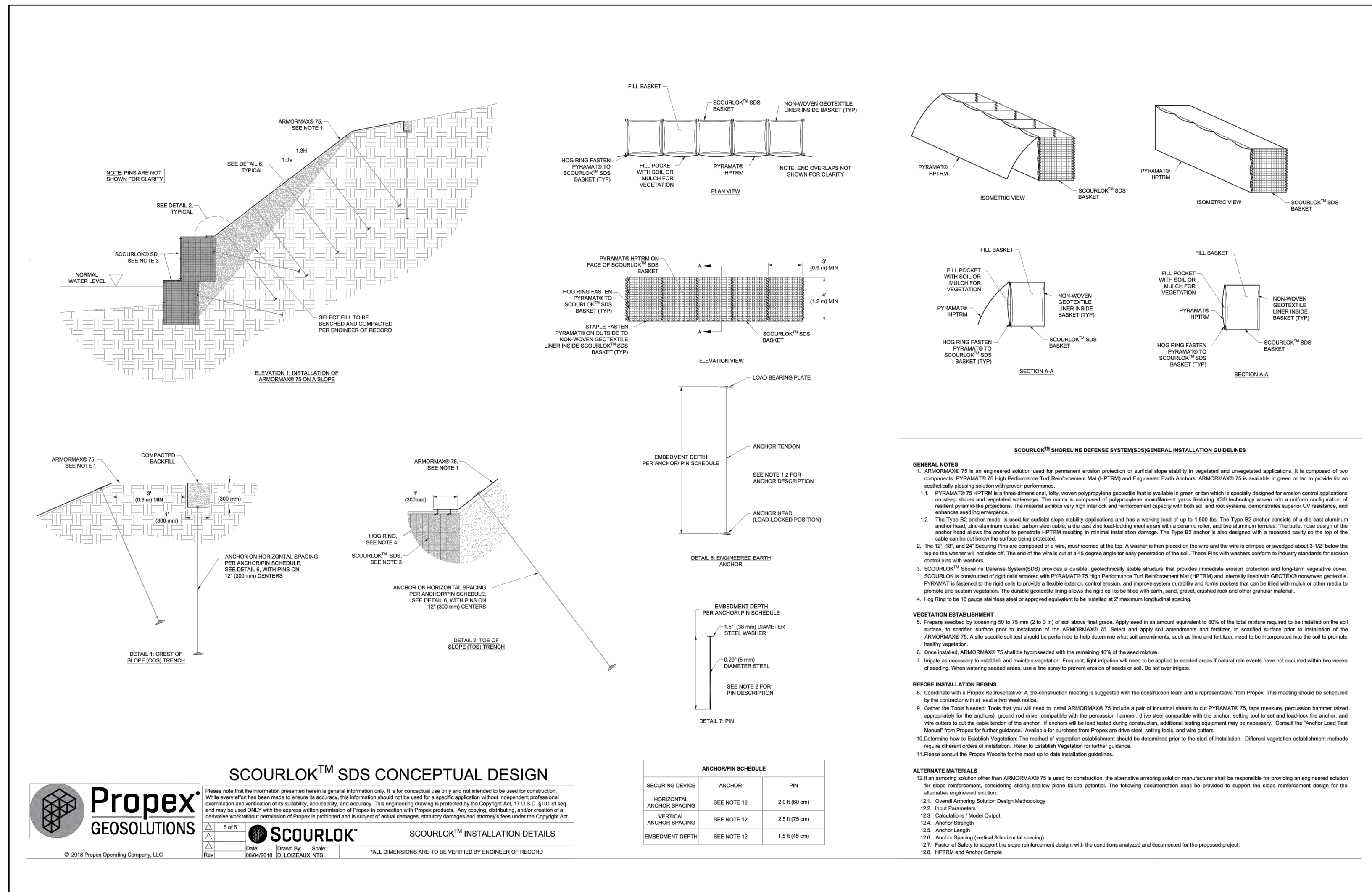
Plan Name: **BANK STABILIZATION PLAN**

Project: **BANK STABILIZATION PHASE 1 "AREA 3" RIVER RUN AT EXETER, EXETER, NH**

Owner of Record: COBBLESTONE II LEX, LLC ATTN: ERIK HAGEN
17W220 22ND ST., SUITE 220, OAKBRIDGE TERRACE, IL 60181 BK 6350 PG 270

DRAWING No. **C3**

SHEET 4 OF 5
JBE PROJECT NO. 11188.1



- NOTES:**
- ANCHOR SHALL BE CONCRETE BLOCKS (20LB MIN) OR 22 LB DANFORTH STYLE ANCHOR.
 - ANCHOR LOCATION SHALL BE MARKED WITH A 12" ORANGE MARKER BUOY ATTACHED TO ANCHOR AND TURBIDITY BARRIER.
 - ALL FIXTURES TO BE CONNECTED WITH 12" NYLON ROPE AND GALVANIZED HARDWARE.
 - TURBIDITY BARRIER SHALL BE INSPECTED DAILY AT START AND END OF WORKING DAY. ANY REPAIRS AND/OR RECONFIGURATION SHALL BE COMPLETED IMMEDIATELY.
 - CONTRACTOR SHALL MAINTAIN ONE ADDITIONAL SET OF ANCHORS AND BUOYS ON SITE TO BE INSTALLED IF NECESSARY.

TURBIDITY BARRIER AND ANCHOR DETAIL
NOT TO SCALE

- CONSTRUCTION SEQUENCE**
- PRIOR TO THE START OF ANY ACTIVITY, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE WITH THE MUNICIPALITY, AND ENGINEER FOR TIMING OF THE CONSTRUCTION. WORK IS TO TAKE PLACE DURING LOW FLOW CONDITIONS.
 - INSTALL TURBIDITY CURTAIN AS DIRECTED ON SHEET C1-C3. THESE ARE TO BE MAINTAINED UNTIL THE FINAL PLANTINGS ARE PLANTED AND ALL CONSTRUCTION ACTIVITY IS COMPLETED.
 - STRIP LOAM AND SOIL TO PREPARE THE AREA FOR THE CONSTRUCTION OF THE BANK STABILIZATION METHODS PROPOSED WITHIN LIMITS OF WORK PER THE RECOMMENDATIONS OF THE PROJECT ENGINEER AND STOCKPILE EXCESS MATERIAL. STABILIZE STOCKPILE AS NECESSARY.
 - GRADE AREA FOR THE INSTALLATION OF THE COIR ROLLS AND SCOURLOK SYSTEMS AND AMORMAX 75.
 - DRIVE VERTICAL PILES AS SHOWN IN THE DETAILS FOR THE PROPOSED STABILIZATION METHOD OF EACH AREA.
 - PLACE HORIZONTAL LOGS, FASTENING WITH CABLE TIES AS NECESSARY AND PLACING HABITAT MATERIAL AND BRANCHES BETWEEN LOGS. USE ORGANICS WHEN NECESSARY TO FILL VOIDS.
 - SEED ANY REMAINING UNVEGETATED SLOPES.
 - REMOVE TEMPORARY EROSION CONTROL MEASURES AFTER SEEDING AREAS HAVE BEEN 75%-85% ESTABLISHED AND SITE IMPROVEMENTS ARE COMPLETE. SMOOTH AND RE-VEGETATE ALL DISTURBED AREAS.
 - UPON COMPLETION OF CONSTRUCTION, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE ENGINEER THAT ALL THE CONSTRUCTION HAS BEEN COMPLETED. THE ENGINEER IS TO SUBMIT A POST-CONSTRUCTION REPORT TO NHDES THAT THE WORK HAS BEEN COMPLETED IN A SATISFACTORY MANNER, AND THE PROJECT AREA IS STABLE.

- TEMPORARY EROSION CONTROL NOTES**
- THE SMALLEST PRACTICAL AREA OF LAND SHALL BE EXPOSED AT ANY ONE TIME.
 - EROSION, SEDIMENT AND DETENTION MEASURES SHALL BE INSTALLED AS SHOWN ON THE PLANS AND AT LOCATIONS AS REQUIRED, DIRECTED BY THE ENGINEER.
 - AFTER ALL DISTURBED AREAS HAVE BEEN STABILIZED, THE TEMPORARY EROSION CONTROL MEASURES SHALL BE REMOVED AND THE AREA DISTURBED BY THE REMOVAL SMOOTHED AND RE-VEGETATED.

TOTAL IMPACTS

SHORELAND IMPACTS:
 AREA 1 = 10,864 S.F.
 AREA 2 = 1,572 S.F.
 AREA 3 = 6,045 S.F.
 TOTAL = 18,481 S.F.

WETLAND IMPACTS:
 AREA 1 = 8,528 S.F.
 AREA 2 = 3,244 S.F.
 AREA 3 = 684 S.F.
 TOTAL = 12,456 S.F.

SCOURLOK™ SDS CONCEPTUAL DESIGN

Propex GEOSOLUTIONS

SCOURLOK™ INSTALLATION DETAILS

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ANCHOR/PIN SCHEDULE

SECURING DEVICE	ANCHOR	PIN
HORIZONTAL ANCHOR SPACING	SEE NOTE 12	2.0 (60 mm)
VERTICAL ANCHOR SPACING	SEE NOTE 12	2.0 (60 mm)
EMBEDMENT DEPTH	SEE NOTE 12	1.5 (48 mm)

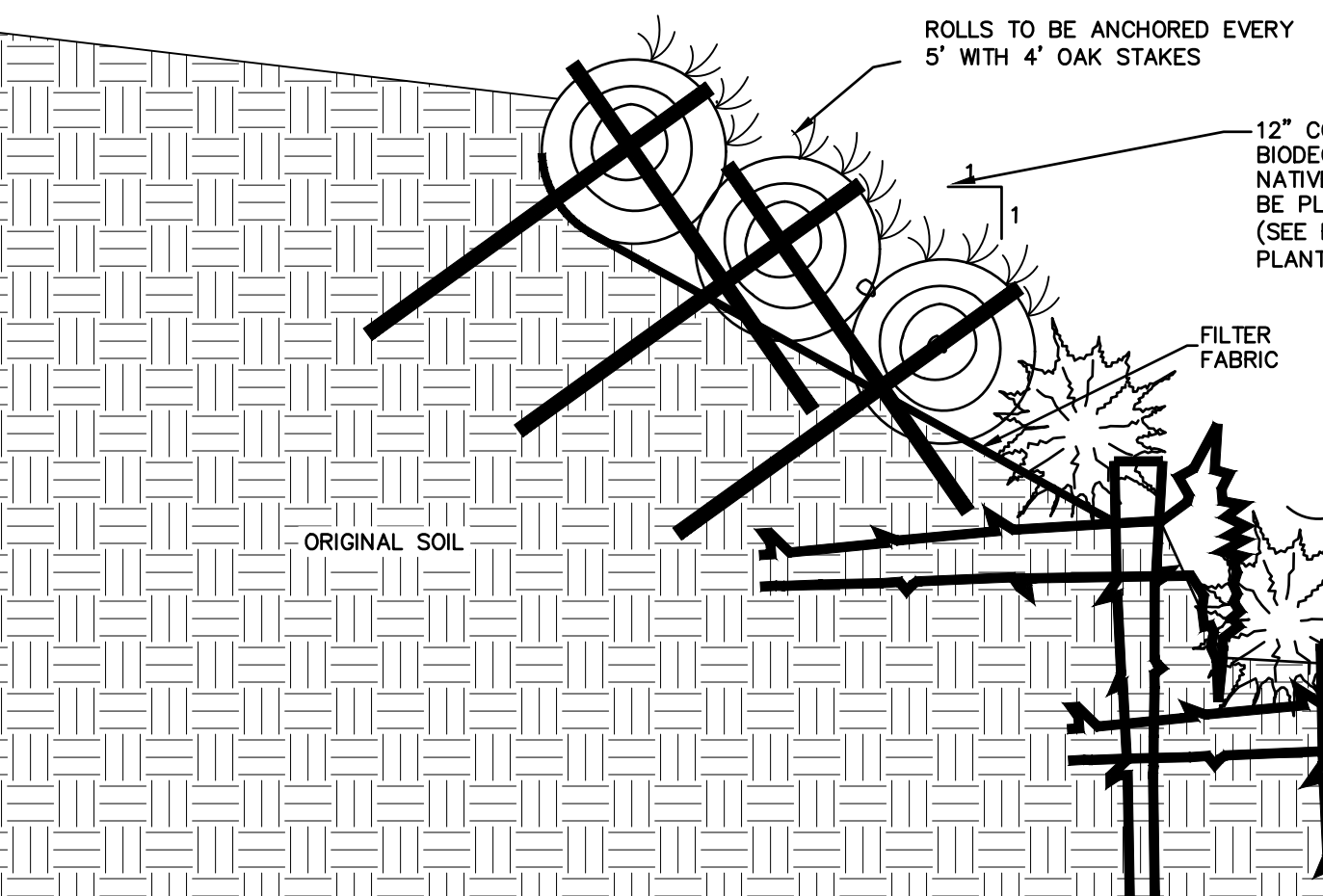
RECOMMENDED PLANTING LIST:

PLANTS ARE TO BE NATIVE VEGETATION WITH DEEP ROOT SYSTEMS THAT GROW WELL IN MOIST SOILS AND PARTIAL SUN/SHADE.

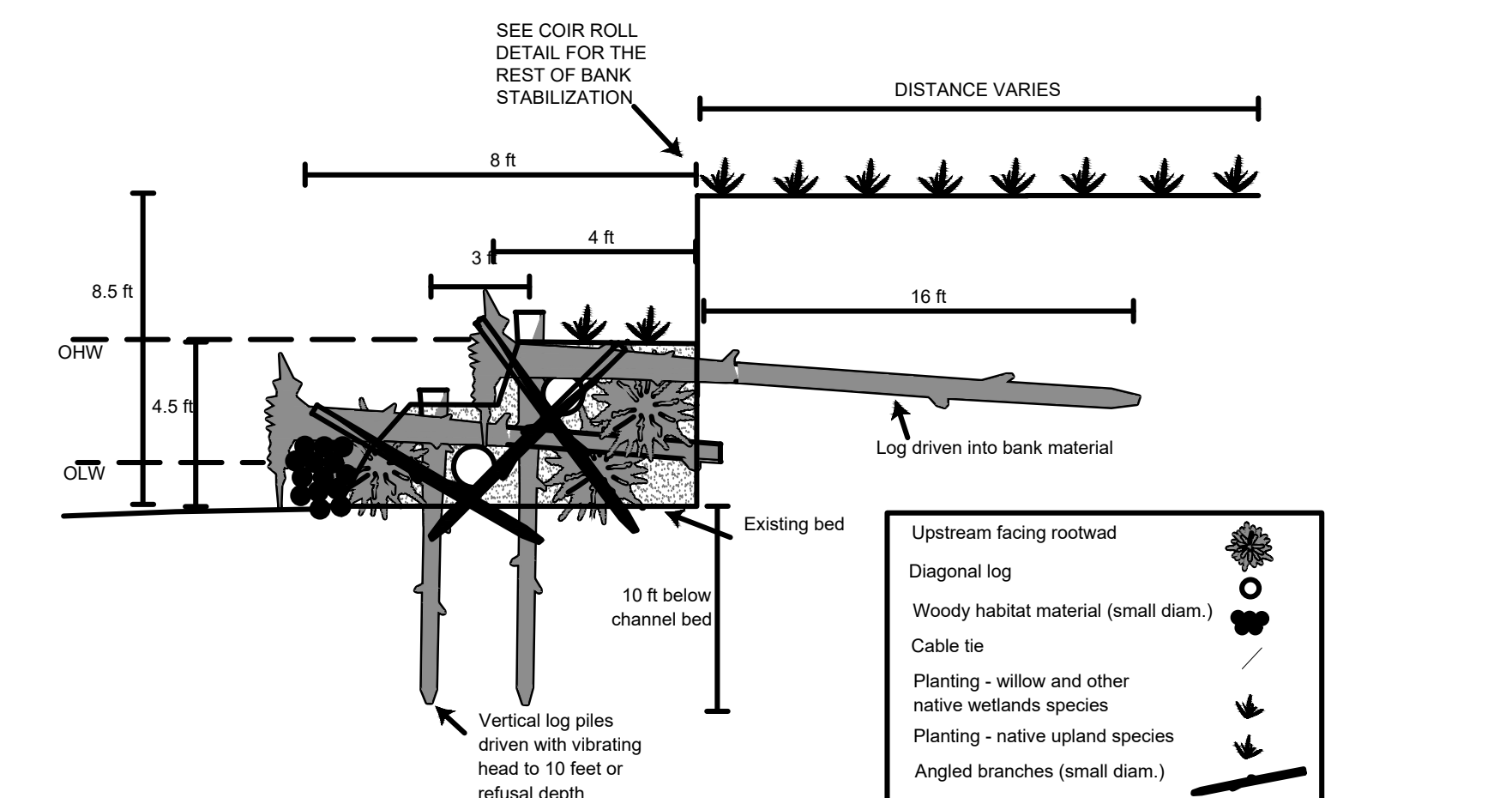
COMBINATION OF LOW GROWING SHRUBS/GROUND COVER AND GRASSES TO BE PLANTED.

PLANT GRASS AT A SEEDING RATE OF 1/2 LB/1,000 S.F. AROUND NEWLY PLANTED SHRUBS.

LATIN NAME	COMMON NAME	HEIGHT	SPREAD
SHRUBS/GROUND COVERS:			
ARCTOSTAPHYLOS UVA-URSI	COMMON BEARBERRY	6"-12"	3'-6"
CORNUS CANADENSIS	BUNCHBERRY	6"-9"	2'-3"
VACCINIUM CORYMBOSUM	HIGHBUSH BLUEBERRY	6"-12"	8'-12"
COMPTONIA PEREGRINA	SWEET FERN	2'-5"	4'-8"
GRASS:			
PANICUM VIRGATUM	SWITCHGRASS	3'-6"	2'-3"

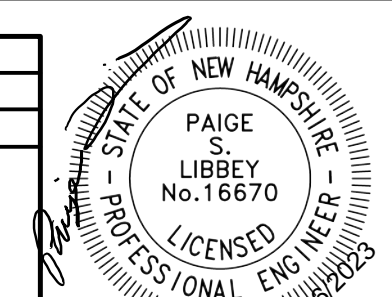


COIR ROLL BANK STABILIZATION DETAIL
NOT TO SCALE



WOOD BUTTRUSS TYPICAL - CROSS SECTION VIEW
NOT TO SCALE

Design: PSL	Draft: ERE	Date: 05/31/23
Checked: PSL	Scale: AS NOTED	Project No.: 11188.1
Drawing Name: 11188-PLAN-2022.dwg		
THIS PLAN SHALL NOT BE MODIFIED WITHOUT WRITTEN PERMISSION FROM JONES & BEACH ENGINEERS, INC. (JBE). ANY ALTERATIONS, AUTHORIZED OR OTHERWISE, SHALL BE AT THE USER'S SOLE RISK AND WITHOUT LIABILITY TO JBE.		



REV.	DATE	ISSUED FOR REVIEW	BY
0	05/31/23	ISSUED FOR REVIEW	ERE
		REVISION	BY

Designed and Produced in NH

J/B Jones & Beach Engineers, Inc.

85 Portsmouth Ave. Stratham, NH 03885

Civil Engineering Services

603-772-4746
FAX: 603-772-0227
E-MAIL: JBE@JONESANDBEACH.COM

Plan Name:	DETAIL SHEET
Project:	BANK STABILIZATION PHASE 1 RIVER RUN AT EXETER, EXETER, NH
Owner of Record:	COBBLESTONE II LEX, LLC ATTN: ERIK HAGEN 17W220 22ND ST., SUITE 220, OAKBRIDGE TERRACE, IL 60181 BK 6350 PG 270

DRAWING No.

D1

SHEET 5 OF 5
JBE PROJECT NO. 11188.1

Town of Exeter



Planning Board Application for Conditional Use Permit: Wetlands Conservation Overlay District

February 2017

Town of Exeter
Planning Board Application
Conditional Use Permit: Wetland Conservation Overlay District

Detailed Proposal including intent, project description, and use of property: (Use additional sheet as needed)

The proposed project is the construction of a driveway to access a building and septic envelope found in an upland area. As wetlands span the entire frontage of the parcel, a dredge and fill application has been submitted to NHDES. No other alternative exists which would allow driveway access without wetland impacts. The proposed location is the location on the parcel which provides the most minimal impacts to both the wetland and the wetland buffer.

Wetland Conservation Overlay District Impact (in square footage):

Temporary Impact	Wetland:	(SQ FT.)	Buffer:	(SQ FT.)
	<input type="checkbox"/> Prime Wetlands	_____	<input type="checkbox"/> Prime Wetlands	_____
	<input type="checkbox"/> Exemplary Wetlands	_____	<input type="checkbox"/> Exemplary Wetlands	_____
	<input type="checkbox"/> Vernal Pools (>200SF)	_____	<input type="checkbox"/> Vernal Pools (>200SF)	_____
	<input type="checkbox"/> VPD	_____	<input type="checkbox"/> VPD	_____
	<input checked="" type="checkbox"/> PD	<u>40 sf</u>	<input checked="" type="checkbox"/> PD	<u>80 sf</u>
	<input type="checkbox"/> Inland Stream	_____	<input type="checkbox"/> Inland Stream	_____
Permanent Impact	Wetland:		Buffer:	
	<input type="checkbox"/> Prime Wetlands	_____	<input type="checkbox"/> Prime Wetlands	_____
	<input type="checkbox"/> Exemplary Wetlands	_____	<input type="checkbox"/> Exemplary Wetlands	_____
	<input type="checkbox"/> Vernal Pools (>200SF)	_____	<input type="checkbox"/> Vernal Pools (>200SF)	_____
	<input type="checkbox"/> VPD	_____	<input type="checkbox"/> VPD	_____
	<input checked="" type="checkbox"/> PD	<u>771 sf</u>	<input checked="" type="checkbox"/> PD	<u>3473 sf</u>
	<input type="checkbox"/> Inland Stream	_____	<input type="checkbox"/> Inland Stream	_____

List any variances/special exceptions granted by Zoning Board of Adjustment including dates:

No variance for the construction or the driveway have been requested of the ZBA

Describe how the proposal meets conditions in **Article 9.1.6.B** of the Zoning Ordinance (attached for reference):

Residential construction is allowed in this zone. NHDES allows for driveways to cross a wetland for construction of a building within the upland. This lot has no frontage which allows for the driveway to avoid wetlands. The location chosen for the driveway minimizes as much as possible wetland and buffer impacts. Any loss of wetland function or value has been minimized as much as possible. The design will minimize any detrimental wetland or buffer impacts from the driveway construction. No temporary impacts are anticipated except for the toeing in of the silt fence. The area will be restored following construction. We anticipate no hazard or impact to the public health or safety from the approval of this project. Permit application has been submitted to NHDES, and notification provided to the Army Corps of Engineers.

ABUTTERS: PLEASE LIST ALL PERSONS WHOSE PROPERTY IS LOCATED IN NEW HAMPSHIRE AND ADJOINS OR IS DIRECTLY ACROSS THE STREET OR STREAM FROM THE LAND UNDER CONSIDERATION BY THE BOARD. THIS LIST SHALL BE COMPILED FROM THE EXETER TAX ASSESSOR'S RECORDS.

TAX MAP 102 - 004
 NAME Schaeffer Family Trust
 ADDRESS 24 Powder Mill Rd
Exeter, NH 03833

TAXMAP 97 - 007 et al
 NAME Riverwoods at Exeter
 ADDRESS 7 Riverwoods Drive
Exeter, NH 03833

TAX MAP 23-004 et al
 NAME Boston and Maine Railroad
 ADDRESS 1700 Ironhorse Park
North Billerica, MA 01862

TAX MAP 102 - 005
 NAME Town of Exeter
 ADDRESS 10 Front Street, Exeter,
NH 03833

TAX MAP _____
 NAME _____
 ADDRESS _____

TAXMAP _____
 NAME _____
 ADDRESS _____

TAX MAP _____
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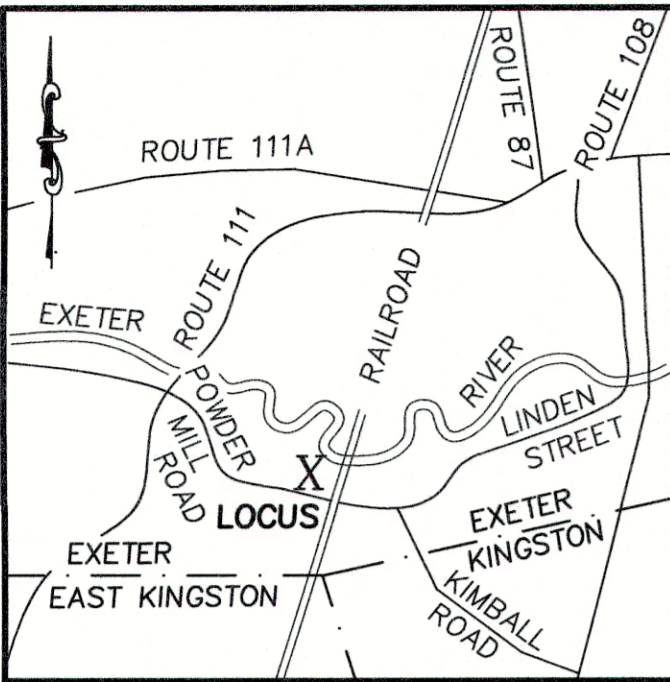
TAX MAP _____
 NAME _____
 ADDRESS _____

TAX MAP _____
 NAME _____
 ADDRESS _____

TAX MAP _____
 NAME _____
 ADDRESS _____

9.1.6 B. Conditions:

1. That the proposed use is permitted in the underlying zoning district;
2. That the use for which the permit is sought cannot feasibly be carried out on a portion or portions of the lot which are outside the Wetlands Conservation Overlay District;
3. The proposed impact has been evaluated in the context of the relative “value” of the wetland, including its ecological sensitivity, as well as its function within the greater hydrologic system. To the extent feasible, the proposed impact is not detrimental to the value and function of the wetland(s).
4. That the design, construction and maintenance of the proposed use will, to the extent feasible, minimize detrimental impact on the wetland or wetland buffer and that no alternative design which does not impact a wetland or wetland buffer or which has less detrimental impact on the wetland or wetland buffer is feasible;
5. In cases where the proposed use is temporary or where construction activity disturbs areas adjacent to the immediate use, that the landowner agrees to restore the site as nearly as possible to its original grade and condition following construction;
6. That the proposed use will not create a hazard to individual or public health, safety and welfare due to the loss of wetland, the contamination of groundwater, or other reasons;
7. That all required permits shall be obtained from the New Hampshire Department of Environmental Services Water Supply and Pollution Control Division under NH RSA §485-A: 17, the New Hampshire Wetlands Board under NH RSA §483-A, and the United States Army Corps of Engineers under Section 404 of the Clean Water Act.



REMAINING AREA
16 ± ACRES

SEE LOMR 18-01-0144P
EFFECTIVE: 11-05-2018.

NOTES:

- 1) THIS PLAN DOES NOT SHOW ANY UNRECORDED OR UNWRITTEN EASEMENTS WHICH MAY EXIST. A REASONABLE AND DILIGENT ATTEMPT HAS BEEN MADE TO OBSERVE ANY APPARENT VISIBLE USES OF THE LAND; HOWEVER, THIS DOES NOT CONSTITUTE A GUARANTEE THAT NO SUCH EASEMENTS EXIST.
- 2) THIS PARCEL LIES PARTIALLY WITHIN AE FLOOD ZONE, 0.2% ANNUAL FLOOD CHANCE ZONE AND THE REGULATORY FLOOD WAY. SEE F.I.R.M. COMMUNITY PANEL 330135C 0403 E EFFECTIVE DATE MAY 17, 2005. SEE LOMR 18-01-0144P EFFECTIVE: 11-05-2018.
- 3) "THE LANDOWNER IS RESPONSIBLE FOR COMPLYING WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL WETLANDS REGULATIONS, INCLUDING ANY PERMITTING AND SETBACKS REQUIRED UNDER THESE REGULATIONS."
- 4) ELEVATIONS ARE BASED ON NAVD29.
- 5) PROPOSED HOME MUST BE BUILT TO PLAIN DEVELOPMENT ORDINANCE 9.4 WITHIN THE TOWN ZONING REGULATIONS.

PLAN NOTE

THE PURPOSE OF THIS PLAN IS TO SHOW THE DIVISION OF THIS PARCEL INTO 2 LOTS FOR SINGLE FAMILY RESIDENTIAL PURPOSES.

VARIANCE NOTE

SEE VARIANCE CASE #22-18 NOVEMBER 15, 2022 TO PERMIT THE USE OF TEST PITS FOR INDIVIDUAL SEPTIC DISPOSAL SYSTEM WITH LESS THAN 24" TO SEASONAL HIGH WATER TABLE. SUBJECT TO ENVIRO-SEPTIC OR SIMILAR SYSTEM TO BE INSTALLED.

RECORD OWNERS

SCHAEFER FAMILY REV. TRUST
RICHARD C. & DEBBI L. SCHAEFER TRUSTEES
24 POWDER MILL ROAD
EXETER, NH 03833
BK. 4329 PG. 1795
21± ACRES
PER DEED

PLAN REFERENCES

D-32415 C-11567 D-10095
SEE RAILROAD VAL. PLAN V2NH/47

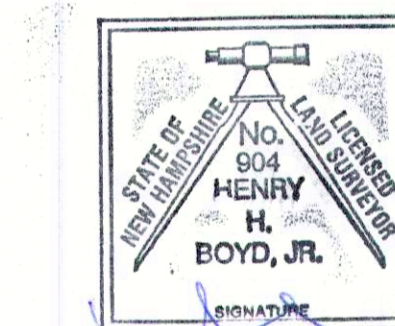
N/F
BOSTON & MAINE RAILROAD
1700 IRON HORSE PARK
NORTH BILLERICA, MA 01862

THE CERTIFICATIONS SHOWN HEREON ARE INTENDED TO MEET REGISTRY OF DEEDS REQUIREMENTS AND ARE NOT A CERTIFICATION TO TITLE OR OWNERSHIP OF PROPERTY SHOWN. OWNERS OF ADJOINING PROPERTIES ARE ACCORDING TO CURRENT TOWN/CITY ASSESSORS' RECORDS.

I CERTIFY:
THAT THIS ACTUAL SURVEY WAS MADE ON THE GROUND BETWEEN JANUARY AND JUNE 2023.

THAT THIS PLAN CONFORMS TO THE RULES AND REGULATIONS OF REGISTER OF DEEDS.

THAT THIS SURVEY CONFORMS TO THE REQUIREMENTS FOR ACCURACY FOR N.H. URBAN SURVEY.



06-29-2023
DATE

PLANNING BOARD CASE NUMBER 23-3

PLAT OF LAND
IN
EXETER, NH

SHOWING
A MINOR SUBDIVISION
AT 24 POWDER MILL ROAD
(ASSESSORS MAP 102 LOT 4)

RECORD OWNER
SCHAEFER FAMILY TRUST
RICHARD C. & DEBBI L. SCHAEFER TRUSTEES
24 POWDER MILL ROAD EXETER, NH 03833

MILLENNIUM ENGINEERING INC.
ENGINEERS AND LAND SURVEYORS
P.O. BOX 745 13 HAMPTON ROAD EXETER, NH 03833
PHONE: (603) 778-0528 FAX: (603) 772-0689

"NEW WETLAND FLAGS"
WETLANDS DELINEATION BY
ILEX WETLAND CONSULTANTS
DAN COONS
P.O. BOX 2185
WOLFEBORO, NH 03894

WETLANDS DELINEATION BY
GOVE ENVIRONMENTAL, INC.
8 CONTINENTAL DRIVE UNIT H
EXETER, NH 03833

IN ACCORDANCE WITH THE U.S. ARMY CORPS OF ENGINEERS WETLAND DELINEATION MANUAL, TECHNICAL REPORT Y-87-1 (JANUARY, 1987); REGIONAL SUPPLEMENT TO THE CORPS OF ENGINEERS WETLAND DELINEATION MANUAL: NORTHCENTRAL AND NORTHEAST REGION (OCTOBER 2012); NEW ENGLAND HYDRIC SOILS TECHNICAL COMMITTEE'S "FIELD INDICATORS OF IDENTIFYING HYDRIC SOILS IN NEW ENGLAND," VERSION 4, 2017; CODE OF ADMINISTRATIVE RULES, NHDES WETLANDS BUREAU (CURRENT).

3	06-29-23	SET MONUMENTS	H.H.B.
2	06-14-23	REVISE WETLAND LINE	H.H.B.
1	03-09-23	REVISE 4K AREA	H.H.B.
NO.	DATE	DESCRIPTION	BY

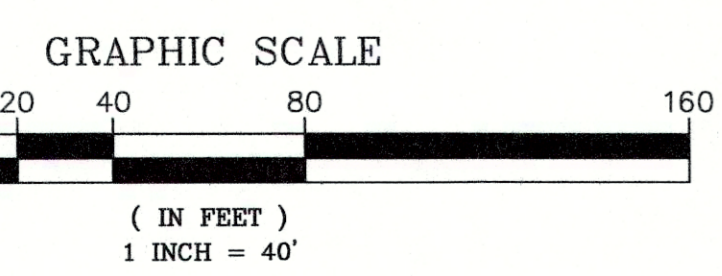
SCALE: 1"=40'	CALC. BY: R.S.G.	PROJECT: E222977
DATE: FEB. 23, 2023	CHKD. BY: H.H.B.	

ZONING DISTRICT
R-1 LOW DENSITY

AREA	2 ACRES
WIDTH	150'
DEPTH	150'
FRONTAGE	150'
MAXIMUM BUILDING HEIGHT	35'
MAXIMUM BUILDING SETBACKS	
FRONT	25'
SIDE	15'
REAR	25'
MAXIMUM BUILDING COVERAGE	15%
MINIMUM OPEN SPACE	80%

LEGEND

● I.P.	IRON PIPE
○ I ROD	IRON ROD FOUND
○ FND.	FOUND
○	ASSESSORS MAP AND PARCEL
---	OVER HEAD WIRE
○	UTILITY POLE
○	WETFLAG
■	WETLAND



C-11567

N/F
TOWN OF EXETER
10 FRONT STREET
EXETER, NH 03833
BK. 2400 PG. 0092

N/F
TOWN OF EXETER
10 FRONT STREET
EXETER, NH 03833

N/F
TOWN OF EXETER
10 FRONT STREET
EXETER, NH 03833
BK. 1500 PG. 0347

LOT A
218,100 ± S.F.
5.01 ± ACRES

* THE BOTTOM OF THE EFFLUENT DISPOSAL AREA ON LOT A SHALL BE A MINIMUM OF 2.8' ABOVE THE BASE FLOOD ELEVATION *

4,000 S.F. SEPTIC AREA

20' WIDE ACCESS EASEMENT TO BENEFIT LOT A 6,113 S.F.

POWDER MILL ROAD

BOSTON & MAINE RAILROAD

N/F
RIVERWOODS GO AT EXETER
ATTN: DEB RIDDELL
7 RIVERWOODS DRIVE
EXETER, NH 03833
BK. 3166 PG. 0235

I ROD SET (06-2023)

I ROD SET (06-2023)

I ROD SET (06-2023)

I ROD SET (06-2023)

102/5

102/6

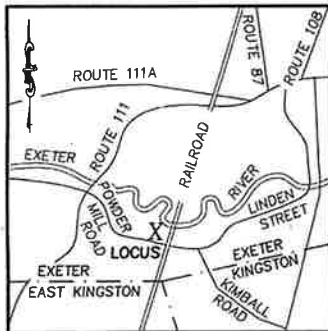
102/4

102/4

97/23

73/47

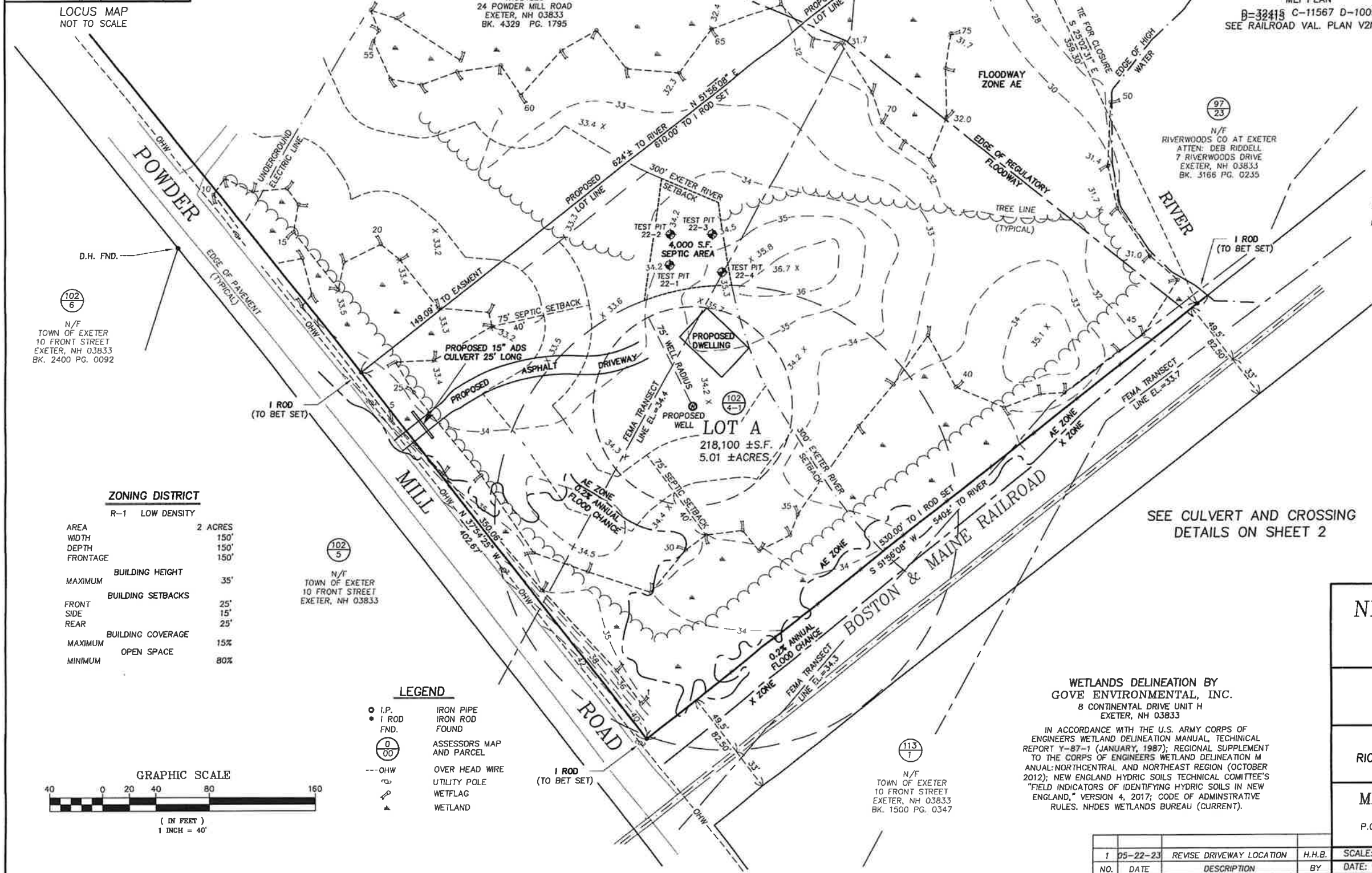
113/1



- NOTES:**
- 1) THIS PLAN DOES NOT SHOW ANY UNRECORDED OR UNWRITTEN EASEMENTS WHICH MAY EXIST. A REASONABLE AND DILIGENT ATTEMPT HAS BEEN MADE TO OBSERVE ANY APPARENT VISIBLE USES OF THE LAND; HOWEVER, THIS DOES NOT CONSTITUTE A GUARANTEE THAT NO SUCH EASEMENTS EXIST.
 - 2) THIS PARCEL LIES PARTIALLY WITHIN AE FLOOD ZONE, 0.2% ANNUAL FLOOD CHANCE ZONE AND THE REGULATORY FLOOD WAY. SEE F.I.R.M. COMMUNITY PANEL 330135C 0403 E EFFECTIVE DATE MAY 17, 2005. SEE LOMR 18-01-0144P EFFECTIVE: 11-05-2018.
 - 3) ELEVATIONS ARE BASED ON NAVD29.
 - 4) PROPOSED HOME MUST BE BUILT TO PLAIN DEVELOPMENT ORDINANCE 9.4 WITHIN THE TOWN ZONING REGULATIONS.

RECORD OWNERS
 SCHAEFER FAMILY REV. TRUST
 RICHARD C. & DEBBI L. SCHAEFER TRUSTEES
 24 POWDER MILL ROAD
 EXETER, NH 03833
 BK. 4329 PG. 1795
LOT A
 218,100 ±S.F.
 5.01 ±ACRES

PLAN REFERENCES
 MEI PLAN
 B-33415 C-11567 D-10095
 SEE RAILROAD VAL. PLAN V2NH/47



N/F
 RIVERWOODS CO AT EXETER
 ATTEN: DEB RIDDELL
 7 RIVERWOODS DRIVE
 EXETER, NH 03833
 BK. 3166 PG. 0235

N/F
 BOSTON & MAINE RAILROAD
 1700 IRON HORSE PARK
 NORTH BILLERICA, MA 01862

I CERTIFY:
 THAT THIS ACTUAL SURVEY WAS MADE ON THE GROUND IN JANUARY 2023.
 THAT THIS SURVEY CONFORMS TO THE REQUIREMENTS FOR ACCURACY FOR N.H. URBAN SURVEY.

HENRY H. BOYD, JR.
 LICENSED LAND SURVEYOR
 DATE: 05-22-2023

SEE CULVERT AND CROSSING DETAILS ON SHEET 2

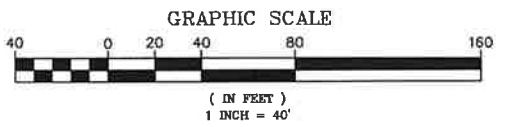
ZONING DISTRICT

R-1 LOW DENSITY

AREA	2 ACRES
WIDTH	150'
DEPTH	150'
FRONTAGE	150'
BUILDING HEIGHT	35'
BUILDING SETBACKS	25'
FRONT SIDE REAR	15'
BUILDING COVERAGE	15%
OPEN SPACE	80%

N/F
 TOWN OF EXETER
 10 FRONT STREET
 EXETER, NH 03833

- LEGEND**
- I.P. IRON PIPE
 - I ROD IRON ROD
 - FND. FOUND
 - /○ ASSESSORS MAP AND PARCEL
 - OHW OVER HEAD WIRE
 - UTILITY POLE
 - ▭ WETFLAG
 - ▲ WETLAND



WETLANDS DELINEATION BY
 GOVE ENVIRONMENTAL, INC.
 8 CONTINENTAL DRIVE UNIT H
 EXETER, NH 03833

IN ACCORDANCE WITH THE U.S. ARMY CORPS OF ENGINEERS WETLAND DELINEATION MANUAL, TECHNICAL REPORT Y-87-1 (JANUARY, 1987); REGIONAL SUPPLEMENT TO THE CORPS OF ENGINEERS WETLAND DELINEATION MANUAL: NORTH CENTRAL AND NORTHEAST REGION (OCTOBER 2012); NEW ENGLAND HYDRIC SOILS TECHNICAL COMMITTEE'S "FIELD INDICATORS OF IDENTIFYING HYDRIC SOILS IN NEW ENGLAND," VERSION 4, 2017; CODE OF ADMINISTRATIVE RULES. NHDES WETLANDS BUREAU (CURRENT).

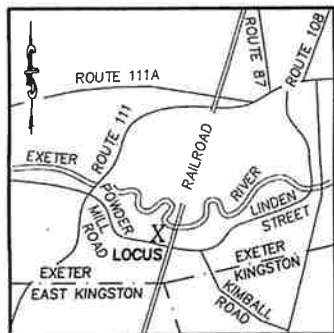
NHDES WETLAND PLAN
 IN
 EXETER, NH

SHOWING
 A DRIVEWAY CROSSING
 AT 24 POWDER MILL ROAD
 (ASSESSORS MAP 102 LOT 4)

RECORD OWNER
SCHAEFER FAMILY TRUST
 RICHARD C. & DEBBI L. SCHAEFER TRUSTEES
 24 POWDER MILL ROAD EXETER, NH 03833

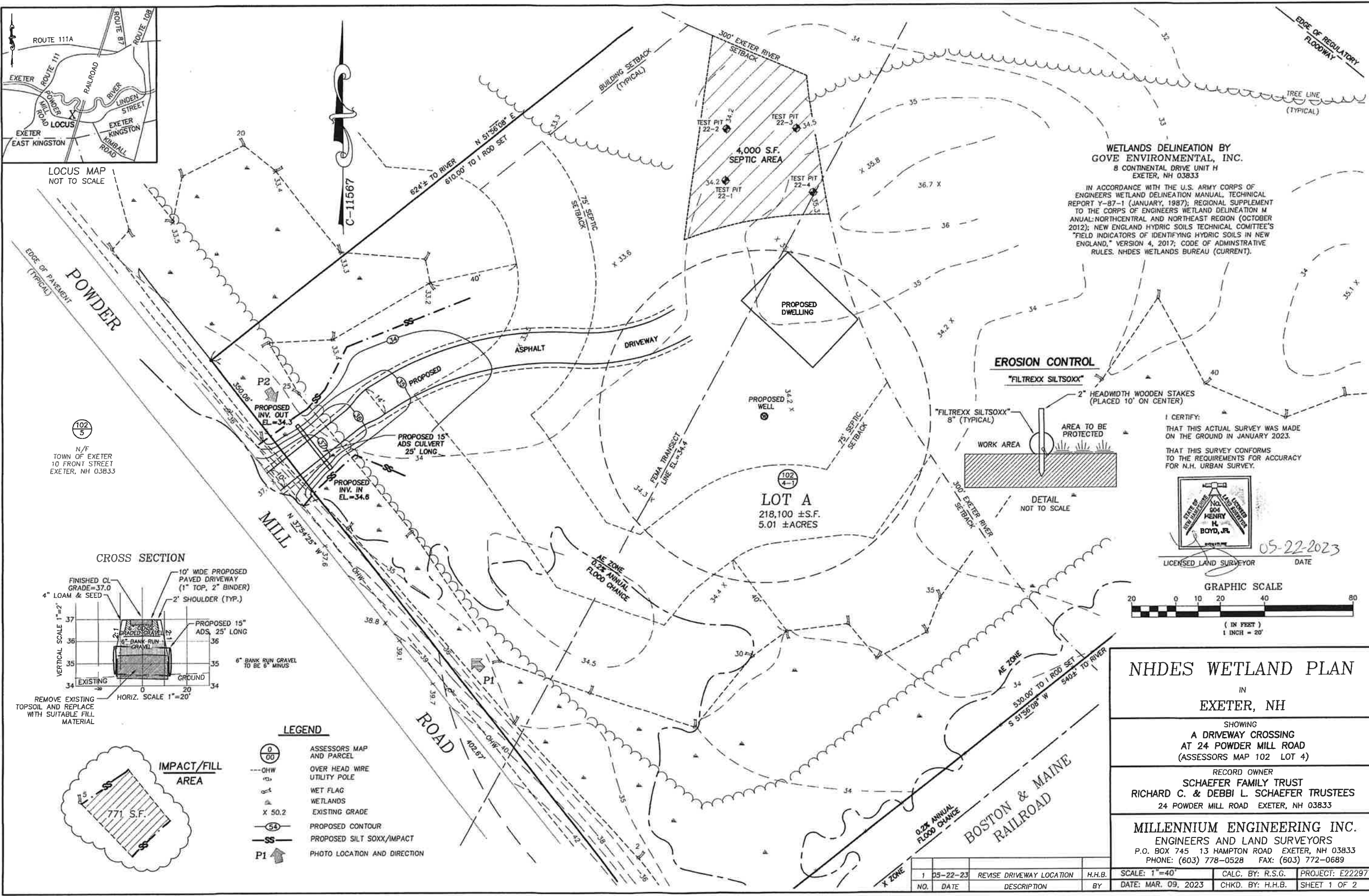
MILLENNIUM ENGINEERING INC.
 ENGINEERS AND LAND SURVEYORS
 P.O. BOX 745 13 HAMPTON ROAD EXETER, NH 03833
 PHONE: (603) 778-0528 FAX: (603) 772-0689

1	05-22-23	REVISE DRIVEWAY LOCATION	H.H.B.	SCALE: 1"=40'	CALC. BY: R.S.G.	PROJECT: E222977
NO.	DATE	DESCRIPTION	BY	DATE: MAR. 09, 2023	CHKD. BY: H.H.B.	SHEET 1 OF 2

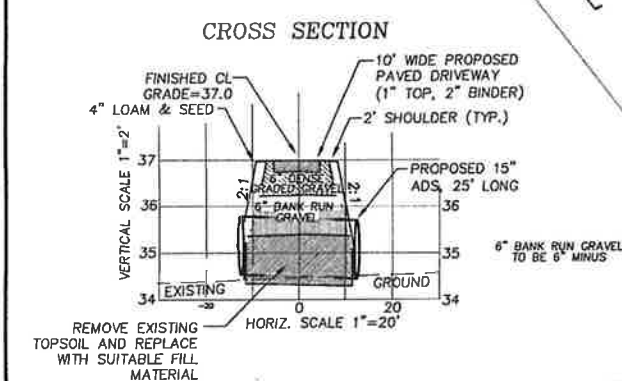


WETLANDS DELINEATION BY
GOVE ENVIRONMENTAL, INC.
 8 CONTINENTAL DRIVE UNIT H
 EXETER, NH 03833

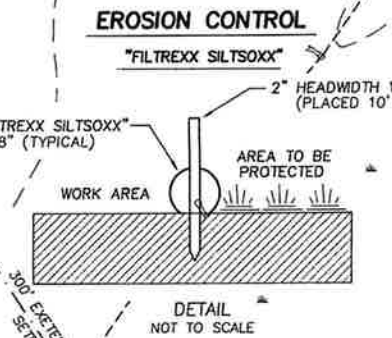
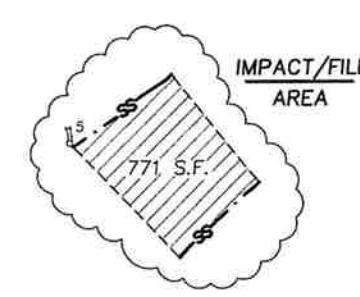
IN ACCORDANCE WITH THE U.S. ARMY CORPS OF ENGINEERS WETLAND DELINEATION MANUAL, TECHNICAL REPORT Y-87-1 (JANUARY, 1987); REGIONAL SUPPLEMENT TO THE CORPS OF ENGINEERS WETLAND DELINEATION MANUAL: NORTH CENTRAL AND NORTHEAST REGION (OCTOBER 2012); NEW ENGLAND HYDRIC SOILS TECHNICAL COMMITTEE'S "FIELD INDICATORS OF IDENTIFYING HYDRIC SOILS IN NEW ENGLAND," VERSION 4, 2017; CODE OF ADMINISTRATIVE RULES, NHDES WETLANDS BUREAU (CURRENT).



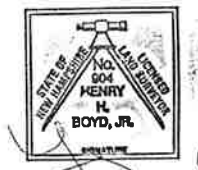
102
5
N/F
TOWN OF EXETER
10 FRONT STREET
EXETER, NH 03833



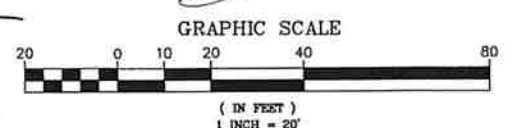
- LEGEND**
- ASSESSORS MAP AND PARCEL
 - OVER HEAD WIRE UTILITY POLE
 - WET FLAG
 - WETLANDS
 - EXISTING GRADE
 - PROPOSED CONTOUR
 - PROPOSED SILT SOXX/IMPACT
 - PHOTO LOCATION AND DIRECTION



I CERTIFY:
 THAT THIS ACTUAL SURVEY WAS MADE ON THE GROUND IN JANUARY 2023.
 THAT THIS SURVEY CONFORMS TO THE REQUIREMENTS FOR ACCURACY FOR N.H. URBAN SURVEY.



05-22-2023
 DATE



NHDES WETLAND PLAN
 IN
EXETER, NH

SHOWING
A DRIVEWAY CROSSING AT 24 POWDER MILL ROAD (ASSESSORS MAP 102 LOT 4)

RECORD OWNER
SCHAEFER FAMILY TRUST
 RICHARD C. & DEBBI L. SCHAEFER TRUSTEES
 24 POWDER MILL ROAD EXETER, NH 03833

MILLENNIUM ENGINEERING INC.
 ENGINEERS AND LAND SURVEYORS
 P.O. BOX 745 13 HAMPTON ROAD EXETER, NH 03833
 PHONE: (603) 778-0528 FAX: (603) 772-0689

NO.	DATE	DESCRIPTION	BY
1	05-22-23	REVISE DRIVEWAY LOCATION	H.H.B.

SCALE: 1"=40'
 DATE: MAR. 09, 2023
 CALC. BY: R.S.G.
 CHKD. BY: H.H.B.
 PROJECT: E222977
 SHEET 1 OF 2



Env-Wt 310.01
**EXPEDITED MINIMUM IMPACT (EXP)
 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: Douglas & Christine Rupp

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 Restoration 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? If yes, provide the following information:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<ul style="list-style-type: none"> • Does the project qualify for an Impact Classification Adjustment (e.g. NH Fish and Game Department (NHF&G) and NHB agreement for a classification downgrade) or a Project-Type Exception (e.g. Maintenance or Statutory Permit-by-Notification (SPN) project)? See Env-Wt 407.02 and Env-Wt 407.04). 	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<ul style="list-style-type: none"> • Protected species or habitat? <ul style="list-style-type: none"> ○ If yes, species or habitat name(s): <input style="width: 100px;" type="text"/> ○ NHB Project ID #: <input style="width: 100px;" type="text"/> 	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<ul style="list-style-type: none"> • Bog? 	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<ul style="list-style-type: none"> • Floodplain wetland contiguous to a tier 3 or higher watercourse? Floodplain on the parcel but not impacted by wetland fill. DEC 	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<ul style="list-style-type: none"> • Designated prime wetland or duly-established 100-foot buffer? 	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<ul style="list-style-type: none"> • Sand dune, tidal wetland, tidal water, or undeveloped tidal buffer zone? 	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Is the property within a Designated River corridor? If yes, provide the following information:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<ul style="list-style-type: none"> • Name of Local River Management Advisory Committee (LAC): Exeter Squamscot Local Advisory Council 	
<ul style="list-style-type: none"> • A copy of the application was sent to the LAC on Month: <input style="width: 30px;" type="text"/> Day: <input style="width: 30px;" type="text"/> Year: <input style="width: 60px;" type="text"/> 	
For dredging projects, is the subject property contaminated?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<ul style="list-style-type: none"> • If yes, list contaminant(s): <input style="width: 150px;" type="text"/> 	
Is there potential to impact impaired waters, class A waters, or outstanding resource waters?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
For stream crossing projects, provide watershed size (see Wetland Permit Planning Tool or Stream Stats):	

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N/A

SECTION 2 - ELIGIBILITY (Env-Wt 306.03; Env-Wt 310.01; Env-Wt 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 (Env-Wt 306.03).
- The project does not include activities that are prohibited under RSA 482-A (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 (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 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 (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 (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))

Identify the rule(s)/provision(s) which make the project a minimum impact project. Refer to the project list below and the [Expedited Minimum Impact \(EXP\) Project Classification Guidance Document](#).

- Aquatic Vegetation Control Projects (Env-Wt 510.08(a))
- Water Access Structure Construction Projects (Env-Wt 511.06(a))
- Beach Replenishment Projects (Env-Wt 511.07(a))
- Deck or Patio Repair Projects (Env-Wt 511.08(a))
- Breakwater Maintenance and Repair Projects (Env-Wt 512.07(b))
- Docking and Accessory Docking Structure Construction, Repair, and Replacement Projects (Env-Wt 513.24(a))
- Docking Structure Modification Projects (Env-Wt 513.25(a))
- Accessory Docking Structure Installation, Construction, Modification, Repair, and Replacement Projects (Env-Wt 513.26(a))
- Canopy Projects (Env-Wt 513.27(a))
- Bank/Shoreline Stabilization Construction Projects (Env-Wt 514.07(a))
- Dug-in Basins and Boathouse Construction or Modification Projects (Env-Wt 515.06(a), (b))
- Dug-in Basins and Boathouse Maintenance and Repair Projects (Env-Wt 515.07(a))
- Intake and Outflow Structure Construction, Maintenance and Repair Projects (Env-Wt 516.05; Env-Wt 516.06(b))
- Trail or Pathway Projects (Env-Wt 517.06(a); Env-Wt 517.06(d))
- Boardwalk Projects (Env-Wt 517.07(a); Env-Wt 517.09)
- Dry Hydrants and Other Non-Docking Structure Projects (Env-Wt 518.07(a)(1), (b))
- Pond Construction, Maintenance, and Repair Projects (Env-Wt 519.08(a), (b); Env-Wt 519.09(a))

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- Residential Utility Installation Projects (Env-Wt 521.06(a)(7))
- Non-tidal Dredging Projects (Env-Wt 523.04(a))
- Residential, Commercial, and Industrial Development Projects (Env-Wt 524.06(b))
- Restoration/Enhancement Projects (Env-Wt 525.05)
- Dam Construction, Reconstruction, or Replacement Projects (Env-Wt 526.06(a))
- Dam Modification, Repair, or Maintenance Projects (Env-Wt 526.07(a))
- Public Highway Projects (Env-Wt 527.06; Env-Wt 527.07)
- Coastal Projects (Env-Wt 600)
- Stream Crossing Projects (Env-Wt 903.01(e))
- All Other Projects (Env-Wt 407.03)

Provide the project-specific information required by the rule(s)/provision(s). Refer to Chapters Env-Wt 400, Env-Wt 500, Env-Wt 600, and/or Env-Wt 900, as applicable, for project-specific application and design requirements. The proposed project is to impact (fill) 771 sf of non-tidal wetlands for the construction of residential (single family) driveway. **Please see applicable Standard Project Specific Worksheets for guidance.**

For projects located on waterbodies, provide the linear feet of shoreline frontage on the property: linear feet

Not applicable

Provide 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".

The purpose of the project is to provide driveway access between a future single family dwelling and Powder Mill Road. Avoidance is not possible, as the wetland runs the full width of the property at the base of the roadway and the edge of the parcel. Wetlands . Impact minimization was utilized in the placement of the driveway. All impacts are permanent.

Identify the type of jurisdictional resources to be impacted and the area of impact in square feet and/or linear feet: 771 sf of shrub/sapling habitat, (gray birch and speckled alder) and emergent (pasture grasses) dominated wetland.

Not applicable

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

ADDRESS: 24 Powder Mill Road

TOWN/CITY: Exeter

TAX MAP/LOT NUMBER: Lot number not yet assigned. to be subdivided from lot 102-004

US GEOLOGICAL SURVEY (USGS) TOPO MAP WATERBODY NAME: Exeter River

N/A

LATITUDE/LONGITUDE in decimal degrees (to five decimal places): 53.06037° North

79.01551° 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: Douglas and Christine Rupp

MAILING ADDRESS: 69 Newburyport Turnpike

TOWN/CITY: Newbury		STATE: MA	ZIP CODE: 01951
PHONE: 978-476-1359	EMAIL ADDRESS (OPTIONAL): christine.l.rupp@gmail.com		
ELECTRONIC COMMUNICATION: By initialing here: CR , 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: Daniel Coons, Ilex Wetlands Consultants			
MAILING ADDRESS: PO Box 2185			
TOWN/CITY: Wolfboro		STATE: NH	ZIP CODE: 03894
PHONE: 603-520-8533	EMAIL ADDRESS (OPTIONAL): ilexwetlands@gmail.com		
ELECTRONIC COMMUNICATION: By initialing here: DEC , 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: [REDACTED]			
MAILING ADDRESS: [REDACTED]			
TOWN/CITY: [REDACTED]		STATE: [REDACTED]	ZIP CODE: [REDACTED]
PHONE: [REDACTED]	EMAIL ADDRESS (OPTIONAL): [REDACTED]		
ELECTRONIC COMMUNICATION: By initialing here: [REDACTED] , I hereby authorize NHDES to communicate all matters relative to this application electronically.			

SECTION 8 - APPLICATION FEE (RSA 482-A:3, I)			
<input checked="" type="checkbox"/> \$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: <input checked="" type="checkbox"/> DEC <input type="checkbox"/> DR <input type="checkbox"/> CR	The proposed project meets the conditions and limits of the applicable minimum impact project rule.
Initials: <input checked="" type="checkbox"/> DEC <input type="checkbox"/> DR <input type="checkbox"/> CR	All abutters have been notified.
Initials: <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	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
Initials:	The proposal is the alternative with the least adverse impact to jurisdictional areas, as required by Env-Wt

DEC DR CR	310.01(d)(4).
Initials: DEC DR CR	The project is not an after-the-fact application.
Initials: DEC DR cR	The project is: <ul style="list-style-type: none"> • Not located in a PRA, or • Is located in a PRA but is subject to a classification adjustment under Env-Wt 407.02 or a project-type exception under Env-Wt 407.04.
Initials: DEC DR CR	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.

Initials: DEC DR CR	To the best of the signer's knowledge and belief, all required notifications have been provided.
Initials: DEC DR CR	The information submitted on or with the application is true, complete, and not misleading to the best of the signer's knowledge and belief.
Initials: DEC DR CR	The signer understands that: <ul style="list-style-type: none"> • The submission of false, incomplete, or misleading information constitutes grounds for NHDES to: <ol style="list-style-type: none"> 1. Deny the application. 2. Revoke any approval that is granted based on the information. 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. • The signer is subject to the penalties specified in New Hampshire law for falsification in official matters, currently RSA 641. • 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.
Initials: DEC DR CR	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.

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

SIGNATURE (OWNER)*: <i>Douglas Rupp</i> <i>Christine Rupp</i>	PRINT NAME LEGIBLY: Douglas & Cristine Rupp	DATE: 5/30/23
--	--	------------------

*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-

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way where an easement will be obtained prior to the start of construction (Env-Wt 311.11(d)). Check the following box if your project meets this exception: .

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

SIGNATURE (AGENT, IF APPLICABLE): 	PRINT NAME LEGIBLY: Daniel Coons	DATE: 5-23-23
---	-------------------------------------	------------------

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

The signed statement from the Conservation Commission may be submitted electronically.

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 the municipality waives its right to intervene on the project, 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:

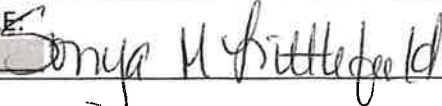
(N/A This project is **not** within a Designated River Corridor)

AUTHORIZED LAC REPRESENTATIVE SIGNATURE: _____	PRINT NAME LEGIBLY: _____	DATE: _____
---	------------------------------	----------------

****Note:** If the application is administratively complete, except for the signed statement from the Conservation Commission and/or LAC, the application will be processed under the application processing times established in RSA 482-A:3, XIV (Env-Wt 310.02(h)). The applicant may also indicate that they are applying for a minimum impact application under standard processing timelines.

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 four copies of the application, including all attachments.

TOWN/CITY CLERK SIGNATURE: 	PRINT NAME LEGIBLY: Sonya U Kittlefield	DATE: 5/31/2023
TOWN/CITY: Exeter		

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.

Keep this checklist for your reference; do not submit with your application.

APPLICATION CHECKLIST

Required for all applications:

- The completed, dated, signed and certified application (Env-Wt 310.01).
- Application fee of \$400, as determined in RSA 482-A:3, I (Env-Wt 310.01(e)). Make check or money order payable to "Treasurer – State of NH".
- [US Army Corps of Engineers \(ACE\) "Appendix B, New Hampshire General Permits \(GPs\), Required Information and Corps Secondary Impacts Checklist"](#) and its required attachments (Env-Wt 307.02). This includes the [US Fish and Wildlife Service IPAC review](#) and [Section 106 Historic/Archaeological Resource review](#).
- A copy of the town tax map(s) showing the location of the proposed project in relation to abutters (Env-Wt 310.01(b)(2)).
- A list of abutters' names and mailing addresses to cross-reference with the tax map (Env-Wt 310.01(b)(3)).
- A copy of the appropriate US Geological Survey map with the property and project clearly marked (Env-Wt 310.01(b)(4)).
- Photos that meet all of the following criteria:
 - Clearly show the area to be impacted,
 - Are mounted or printed no more than two per sheet on 8.5-inch x 11-inch paper, and
 - Are annotated to explain impact (Env-Wt 310.01(b)(6)).
- The results and identification number of the NHB DataCheck (Env-Wt 310.01(b)(8)). See [Wetlands Permitting: Protected Species and Habitat](#) Fact Sheet.
- An accurate drawing showing the precise location, with detailed dimensions clearly annotated to document existing site conditions and to show the proposed impacts to the jurisdictional areas (Env-Wt 310.01(c)(4)).
- An accurate drawing to show the impact of the proposed activity on jurisdictional areas, including the following (Env-Wt 310.01(c)(5)):
 - An overview of the property and proposed impact areas in relation to property lines,
 - The scale, if any, used on the drawing,
 - If the drawing is not to scale, the dimensions of all existing and proposed structures and all other relevant features necessary to clearly define the project,
 - A labeled north-pointing arrow to indicate orientation,
 - A legend that clearly indicates all symbols, line types, and shading used on the plan,
 - The location of the jurisdictional areas delineated in accordance with Env-Wt 400,
 - Proposed sequence of construction including pre-construction through post-construction activities and the relative timing and progression of all work,
 - The location and type of siltation and turbidity controls indicated graphically and labeled or annotated as necessary,
 - For any project using a temporary coffer dam and for any repair of a tier 3 stream crossing, the date, signature, and seal of the licensed professional engineer who prepared or had responsibility for the plan(s),
 - For restoration/enhancement projects, the information required to be shown on a map by Env-Wt 525,
 - For tidal minimum impact projects, the information required to be shown on a map by Env-Wt 600, and
 - For minimum impact stream crossing projects, the information required to be shown on a map by Env-Wt 900.
- The linear distance of the project from abutting property boundaries (Env-Wt 310.01(c)(7)).

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Required for certain project type, as applicable:

- The type of dock construction (Env-Wt 310.01(c)(8)).
- The diameter of culvert(s) to be used for road or driveway crossings (Env-Wt 310.01(c)(8)).
- The additional information specified in Env-Wt 522 for minimum impact agricultural applications (Env-Wt 310.01(c)(8)).
- Plans for maintenance of retaining walls, as specified in Env-Wt 514 (if applicable; Env-Wt 310.01(c)(8)).
- Specifications and plans for maintenance of rip-rap, as required by Env-Wt 514 (Env-Wt 310.01(c)(8)).
- Any other project-specific plan or information required under Env-Wt 500 and as described in the project-specific worksheet (Env-Wt 310.01(c)(8)).
- Information required on the [Coastal Resource Worksheet](#) for coastal projects under Env-Wt 600.
- Prime Wetlands information required under Env-Wt 700.
- Information requested on the [Stream Crossing Worksheet](#) required by Env-Wt 900.



**US Army Corps
of Engineers**®
New England District

**New Hampshire General Permits (GPs)
Appendix B - Corps Secondary Impacts Checklist
(for inland wetland/waterway fill projects in New Hampshire)**

1. Attach any explanations to this checklist. Lack of information could delay a Corps permit determination.
2. All references to “work” include all work associated with the project construction and operation. Work includes filling, clearing, flooding, draining, excavation, dozing, stumping, etc.
3. See GC 5, regarding single and complete projects.
4. Contact the Corps at (978) 318-8832 with any questions.

1. Impaired Waters	Yes	No
1.1 Will any work occur within 1 mile upstream in the watershed of an impaired water? See http://des.nh.gov/organization/divisions/water/wmb/section401/impaired_waters.htm to determine if there is an impaired water in the vicinity of your work area.*		X
2. Wetlands	Yes	No
2.1 Are there are streams, brooks, rivers, ponds, or lakes within 200 feet of any proposed work?		X
2.2 Are there proposed impacts to SAS, special wetlands. Applicants may obtain information from the NH Department of Resources and Economic Development Natural Heritage Bureau (NHB) DataCheck Tool for information about resources located on the property at https://www2.des.state.nh.us/nhb_datacheck/ . The book Natural Community Systems of New Hampshire also contains specific information about the natural communities found in NH.		X
2.3 If wetland crossings are proposed, are they adequately designed to maintain hydrology, sediment transport & wildlife passage?	X	
2.4 Would the project remove part or all of a riparian buffer? (Riparian buffers are lands adjacent to streams where vegetation is strongly influenced by the presence of water. They are often thin lines of vegetation containing native grasses, flowers, shrubs and/or trees that line the stream banks. They are also called vegetated buffer zones.)		n/a
2.5 The overall project site is more than 40 acres?		X
2.6 What is the area of the previously filled wetlands?	n/a	
2.7 What is the area of the proposed fill in wetlands?	771 sf	
2.8 What is the % of previously and proposed fill in wetlands to the overall project site?	0.0%/1.2%	
3. Wildlife	% Yes	No
3.1 Has the NHB & USFWS determined that there are known occurrences of rare species, exemplary natural communities, Federal and State threatened and endangered species and habitat, in the vicinity of the proposed project? (All projects require an NHB ID number & a USFWS IPAC determination.) NHB DataCheck Tool: https://www2.des.state.nh.us/nhb_datacheck/ USFWS IPAC website: https://ecos.fws.gov/ipac/location/index		X

3.2 Would work occur in any area identified as either “Highest Ranked Habitat in N.H.” or “Highest Ranked Habitat in Ecological Region”? (These areas are colored magenta and green, respectively, on NH Fish and Game’s map, “2010 Highest Ranked Wildlife Habitat by Ecological Condition.”) Map information can be found at: <ul style="list-style-type: none"> • PDF: https://wildlife.state.nh.us/wildlife/wap-high-rank.html. • Data Mapper: www.granit.unh.edu. • GIS: www.granit.unh.edu/data/downloadfreedata/category/databycategory.html. 			X
3.3 Would the project impact more than 20 acres of an undeveloped land block (upland, wetland/waterway) on the entire project site and/or on an adjoining property(s)?			X
3.4 Does the project propose more than a 10-lot residential subdivision, or a commercial or industrial development?			X
3.5 Are stream crossings designed in accordance with the GC 21?			n/a
4. Flooding/Floodplain Values	Yes	No	
4.1 Is the proposed project within the 100-year floodplain of an adjacent river or stream?			X
4.2 If 4.1 is yes, will compensatory flood storage be provided if the project results in a loss of flood storage?			X
5. Historic/Archaeological Resources			
For a minimum, minor or major impact project - a copy of the Request for Project Review (RPR) Form (www.nh.gov/nhdhr/review) with your DES file number shall be sent to the NH Division of Historical Resources as required on Page 11 GC 8(d) of the GP document**			X

*Although this checklist utilizes state information, its submittal to the Corps is a Federal requirement.

** If your project is not within Federal jurisdiction, coordination with NH DHR is not required under Federal law.



United States Department of the Interior

FISH AND WILDLIFE SERVICE
New England Ecological Services Field Office
70 Commercial Street, Suite 300
Concord, NH 03301-5094
Phone: (603) 223-2541 Fax: (603) 223-0104



In Reply Refer To:
Project code: 2023-0084799
Project Name: Rupp wetland driveway crossing

May 23, 2023

Subject: Consistency letter for the 'Rupp wetland driveway crossing' project under the amended February 5, 2018, FHWA, FRA, FTA Programmatic Biological Opinion (dated March 23, 2023) for Transportation Projects within the Range of the Indiana Bat and Northern Long-eared Bat (NLEB).

To whom it may concern:

The U.S. Fish and Wildlife Service (Service) has received your request dated May 23, 2023 to verify that the **Rupp wetland driveway crossing** (Proposed Action) may rely on the amended February 5, 2018, FHWA, FRA, FTA Programmatic Biological Opinion (dated March 23, 2023) for Transportation Projects within the Range of the Indiana Bat and Northern Long-eared Bat (PBO) to satisfy requirements under section 7(a)(2) of the Endangered Species Act of 1973 (ESA) (87 Stat.884, as amended; 16 U.S.C. 1531 *et seq.*).

Based on the information you provided (Project Description shown below), you have determined that the Proposed Action will have no effect on the endangered Indiana bat (*Myotis sodalis*) or the endangered northern long-eared bat (*Myotis septentrionalis*). If the Proposed Action is not modified, **no consultation is required for these two species**. If the Proposed Action is modified, or new information reveals that it may affect the Indiana bat and/or northern long-eared bat in a manner or to an extent not considered in the PBO, further review to conclude the requirements of ESA section 7(a)(2) may be required.

For Proposed Actions that include bridge/culvert or structure removal, replacement, and/or maintenance activities: If your initial bridge/culvert or structure assessments failed to detect Indiana bats and/or NLEB use or occupancy, yet later detected prior to, or during construction, please submit the Post Assessment Discovery of Bats at Bridge/Culvert or Structure Form (User Guide Appendix E) to this Service Office within 2 working days of the incident. In these instances, potential incidental take of Indiana bats and/or NLEBs may be exempted provided that the take is reported to the Service.

If the Proposed Action may affect any other federally-listed or proposed species and/or designated critical habitat, additional consultation between the lead Federal action agency and this Service Office is required. If the proposed action has the potential to take bald or golden eagles, additional coordination with the Service under the Bald and Golden Eagle Protection Act may also be required. In either of these circumstances, please advise the lead Federal action agency accordingly.

The following species may occur in your project area and **are not** covered by this determination:

- Monarch Butterfly *Danaus plexippus* Candidate
-

PROJECT DESCRIPTION

The following project name and description was collected in IPaC as part of the endangered species review process.

NAME

Rupp wetland driveway crossing

DESCRIPTION

The proposed project is the filling of 771 sf of a wetland for the construction of a driveway to a proposed single family dwelling

DETERMINATION KEY RESULT

Based on the information you provided, you have determined that the Proposed Action will have no effect on the endangered Indiana bat and/or the endangered northern long-eared bat. Therefore, no consultation with the U.S. Fish and Wildlife Service pursuant to Section 7(a)(2) of the Endangered Species Act of 1973 (ESA) (87 Stat. 884, as amended 16 U.S.C. 1531 *et seq.*) is required for these two species.

QUALIFICATION INTERVIEW

1. Is the project within the range of the Indiana bat^[1]?

[1] See [Indiana bat species profile](#)

Automatically answered

No

2. Is the project within the range of the northern long-eared bat^[1]?

[1] See [northern long-eared bat species profile](#)

Automatically answered

Yes

3. [Semantic] Does your proposed action intersect an area where Indiana bats and northern long-eared bats are not likely to occur?

Automatically answered

Yes

DETERMINATION KEY DESCRIPTION: FHWA, FRA, FTA PROGRAMMATIC CONSULTATION FOR TRANSPORTATION PROJECTS AFFECTING NLEB OR INDIANA BAT

This key was last updated in IPaC on April 13, 2023. Keys are subject to periodic revision.

This decision key is intended for projects/activities funded or authorized by the Federal Highway Administration (FHWA), Federal Railroad Administration (FRA), and/or Federal Transit Administration (FTA), which may require consultation with the U.S. Fish and Wildlife Service (Service) under Section 7 of the Endangered Species Act (ESA) for the endangered **Indiana bat** (*Myotis sodalis*) and the endangered **northern long-eared bat** (NLEB) (*Myotis septentrionalis*).

This decision key should only be used to verify project applicability with the Service's [February 5, 2018, FHWA, FRA, FTA Programmatic Biological Opinion for Transportation Projects](#). The programmatic biological opinion covers limited transportation activities that may affect either bat species, and addresses situations that are both likely and not likely to adversely affect either bat species. This decision key will assist in identifying the effect of a specific project/activity and applicability of the programmatic consultation. The programmatic biological opinion is not intended to cover all types of transportation actions. Activities outside the scope of the programmatic biological opinion, or that may affect ESA-listed species other than the Indiana bat or NLEB, or any designated critical habitat, may require additional ESA Section 7 consultation.

IPAC USER CONTACT INFORMATION

Agency: Private Entity

Name: Daniel Coons

Address: PO Box 2185

City: Wolfeboro

State: NH

Zip: 03894

Email: ilexwetlands@gmail.com

Phone: 6035208533



Ilex Wetlands Consultants
PO Box 2185
Wolfeboro, New Hampshire 03894
Phone: (603) 520-8533
email: ilexwetlands@gmail.com

NH Division of Historical Resources
State Historic Preservation Office
Attention: Review & Compliance
19 Pillsbury Street
Concord, NH 03301-3570

Re: DHR Review

Applicant: Doug and Christine Rupp

Location: 24 Powder Mill Road, Exeter

Dear Marika,

Attached please find a request for review for a proposed project in Exeter. The project is for wetlands fill relative to placement of a driveway across a wetlands so as to access an upland building site on the property.

We have attached a copy of the proposed subdivision plat, and added the proposed driveway location and photographs of the site. This portion of the property is currently open field/pasture and shrubs adjacent to Powder Mill Road. We have found no evidence of previous structures, and found no stone walls on the property. We reviewed the historic USGS topo layer on Granit, and noted no evidence of historic structures in this location.

We performed an EMMIT review on 4/18/2023 and found no records relative to the property

Should you have further questions, please do not hesitate to reach out.

Regards

Daniel Coons, CWS

Ilex Wetlands Consultants

Please mail the completed form and required material to:

New Hampshire Division of Historical Resources
State Historic Preservation Office
Attention: Review & Compliance
172 Pembroke Road, Concord, NH 03301

DHR Use Only	
R&C #	_____
Log In Date	___ / ___ / ___
Response Date	___ / ___ / ___
Sent Date	___ / ___ / ___

Request for Project Review by the New Hampshire Division of Historical Resources

- This is a new submittal
 This is additional information relating to DHR Review & Compliance (R&C) #:

GENERAL PROJECT INFORMATION
Project Title Rupp Driveway Crossing
Project Location 24 Powder Mill Road
City/Town Exeter Tax Map 102 Lot # 4
NH State Plane - Feet Geographic Coordinates: Easting 1167849 Northing 168775 <i>(See RPR Instructions and R&C FAQs for guidance.)</i>
Lead Federal Agency and Contact <i>(if applicable)</i> <i>(Agency providing funds, licenses, or permits)</i> Permit Type and Permit or Job Reference #
State Agency and Contact <i>(if applicable)</i> NHDES Permit Type and Permit or Job Reference # Minimum expedited
APPLICANT INFORMATION
Applicant Name Douglas & Christine Rupp
Mailing Address 69 Newburyport Turnpike Phone Number 978-476-1359
City Newbury State MA Zip 01951 Email christine.l.rupp@gmail.com
CONTACT PERSON TO RECEIVE RESPONSE
Name/Company Daniel Coons/ Ilex Wetlands Consultants
Mailing Address PO Box 2185 Phone Number 6035208533
City Wolfeboro State NH Zip 03894 Email ilexwetlands@gmail.com

This form is updated periodically. Please download the current form at www.nh.gov/nhdhr/review. Please refer to the Request for Project Review Instructions for direction on completing this form. Submit one copy of this project review form for each project for which review is requested. Please include a self-addressed stamped envelope. Project submissions will not be accepted via facsimile or e-mail. This form is required. Review request form must be complete for review to begin. Incomplete forms will be sent back to the applicant without comment. Please be aware that this form may only initiate consultation. For some projects, additional information will be needed to complete the Section 106 review. All items and supporting documentation submitted with a review request, including photographs and publications, will be retained by the DHR as part of its review records. Items to be kept confidential should be clearly identified. For questions regarding the DHR review process and the DHR's role in it, please visit our website at: www.nh.gov/nhdhr/review or contact the R&C Specialist at marika.s.labash@dncr.nh.gov.

PROJECTS CANNOT BE PROCESSED WITHOUT THIS INFORMATION

Project Boundaries and Description

- Attach the Project Mapping *using EMMIT or relevant portion of a 7.5' USGS Map.* (See RPR Instructions and R&C FAQs for guidance.)
- Attach a detailed narrative description of the proposed project.
- Attach a site plan. The site plan should include the project boundaries and areas of proposed excavation.
- Attach photos of the project area (overview of project location and area adjacent to project location, and specific areas of proposed impacts and disturbances.) (Informative photo captions are requested.)
- A DHR records search must be conducted to identify properties within or adjacent to the project area. Provide records search results via EMMIT or in Table 1. (Blank table forms are available on the DHR website.) Please note, using EMMIT Guest View for an RPR records search does not provide the necessary information needed for DHR review. EMMIT or in-house records search conducted on 04/18/2023.

Architecture

Are there any buildings, structures (bridges, walls, culverts, etc.) objects, districts or landscapes within the project area? Yes No
If no, skip to Archaeology section. If yes, submit all of the following information:

Approximate age(s):

- Photographs of *each* resource or streetscape located within the project area, with captions, along with a mapped photo key. (Digital photographs are accepted. All photographs must be clear, crisp and focused.)
- If the project involves rehabilitation, demolition, additions, or alterations to existing buildings or structures, provide additional photographs showing detailed project work locations. (i.e. Detail photo of windows if window replacement is proposed.)

Archaeology

Does the proposed undertaking involve ground-disturbing activity? Yes No
If yes, submit all of the following information:

- Description of current and previous land use and disturbances.
- Available information concerning known or suspected archaeological resources within the project area (such as cellar holes, wells, foundations, dams, etc.)

Please note that for many projects an architectural and/or archaeological survey or other additional information may be needed to complete the Section 106 process.

DHR Comment/Finding Recommendation *This Space for Division of Historical Resources Use Only*

- Insufficient information to initiate review. Additional information is needed in order to complete review.
- No Potential to cause Effects No Historic Properties Affected No Adverse Effect Adverse Effect

Comments: _____

If plans change or resources are discovered in the course of this project, you must contact the Division of Historical Resources as required by federal law and regulation.

Authorized Signature: _____ Date: _____

Rupp USGS Map



Legend

- Parcels
 - Parcel Polygons
 - Attributes for Additional Lines
- State
- County
- City/Town

LOCUS and point of wetlands impact

Map Scale

1: 12,988

© NH GRANIT, www.granit.unh.edu

Map Generated: 3/30/2023



Notes





Wetland adjacent to the road



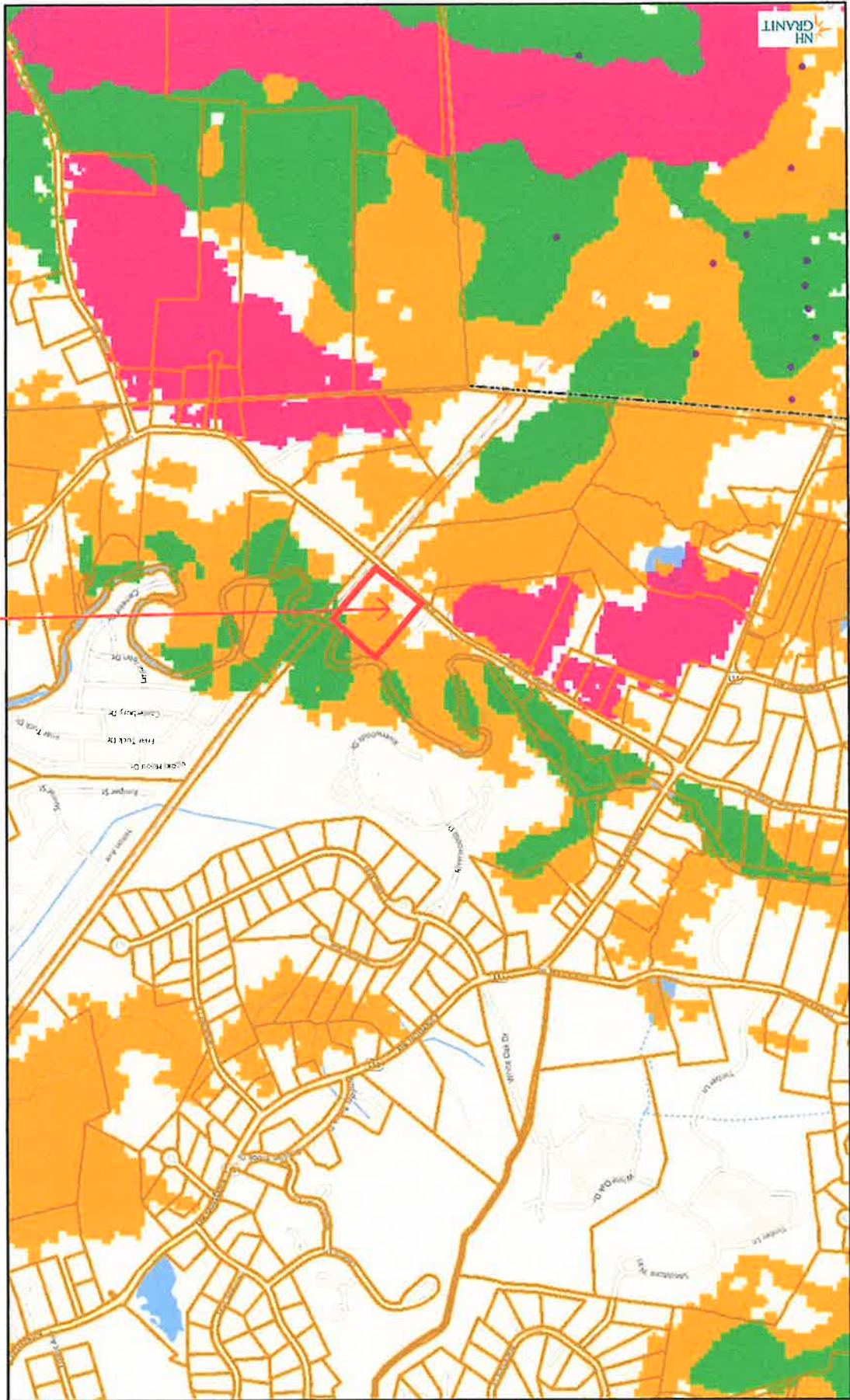
Location of driveway coming off the road

Rupp Wildlife Action Plan Ranked Habitat

Legend

- Parcels
- Parcel Polygons
- Attributes for Additional Lines
- State
- County
- City/Town
- WAP 2020: Highest Ranked Wildlife Habitat
 - 1 Highest Ranked Habitat in NH
 - 2 Highest Ranked Habitat in Region
 - 3 Supporting Landscape

LOCUS



Notes

Map Generated: 3/31/2023
 © NH GRANIT, www.granit.unh.edu

Map Scale
 1:12,988



Rupp Construction Sequence

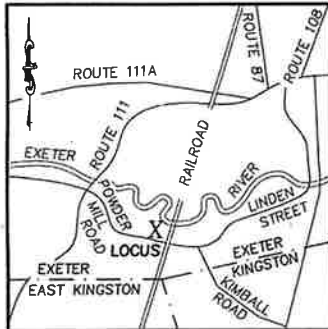
Place erosion controls on either side of driveway location, so as to protect wetland and upland areas from migration of fill soils. Use Best Management Practices in the installation of silt fence or other controls

Excavate for culvert installation, place on gravel base

Install fill for driveway level, and shape appropriate side slopes

Stabilize soils

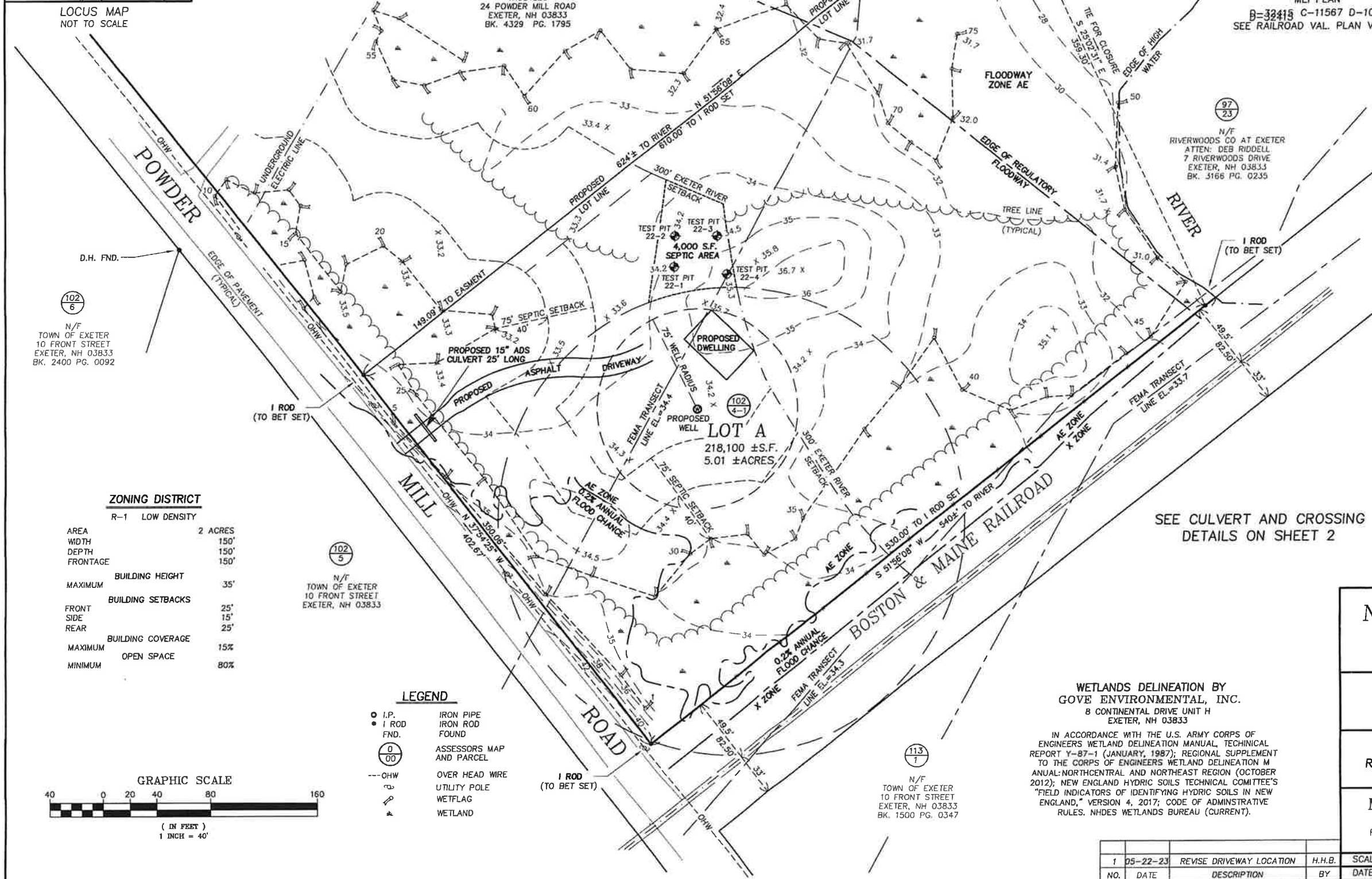
After soils have stabilized, remove erosion controls to restore normal flow within the wetland



- NOTES:**
- 1) THIS PLAN DOES NOT SHOW ANY UNRECORDED OR UNWRITTEN EASEMENTS WHICH MAY EXIST. A REASONABLE AND DILIGENT ATTEMPT HAS BEEN MADE TO OBSERVE ANY APPARENT VISIBLE USES OF THE LAND; HOWEVER, THIS DOES NOT CONSTITUTE A GUARANTEE THAT NO SUCH EASEMENTS EXIST.
 - 2) THIS PARCEL LIES PARTIALLY WITHIN AE FLOOD ZONE, 0.2% ANNUAL FLOOD CHANCE ZONE AND THE REGULATORY FLOOD WAY. SEE F.I.R.M. COMMUNITY PANEL 330135C 0403 E EFFECTIVE DATE MAY 17, 2005. SEE LOMR 18-01-0144P EFFECTIVE: 11-05-2018.
 - 3) ELEVATIONS ARE BASED ON NAVD29.
 - 4) PROPOSED HOME MUST BE BUILT TO PLAIN DEVELOPMENT ORDINANCE 9.4 WITHIN THE TOWN ZONING REGULATIONS.

RECORD OWNERS
 SCHAEFER FAMILY REV. TRUST
 RICHARD C. & DEBBI L. SCHAEFER TRUSTEES
 24 POWDER MILL ROAD
 EXETER, NH 03833
 BK. 4329 PG. 1795
LOT A
 218,100 ±S.F.
 5.01 ±ACRES

PLAN REFERENCES
 MEI PLAN
 B-33415 C-11567 D-10095
 SEE RAILROAD VAL. PLAN V2NH/47



N/F
 RIVERWOODS CO AT EXETER
 ATTEN: DEB RIDDELL
 7 RIVERWOODS DRIVE
 EXETER, NH 03833
 BK. 3166 PG. 0235

N/F
 BOSTON & MAINE RAILROAD
 1700 IRON HORSE PARK
 NORTH BILLERICA, MA 01862

I CERTIFY:
 THAT THIS ACTUAL SURVEY WAS MADE ON THE GROUND IN JANUARY 2023.
 THAT THIS SURVEY CONFORMS TO THE REQUIREMENTS FOR ACCURACY FOR N.H. URBAN SURVEY.

HENRY H. BOYD, JR.
 LICENSED LAND SURVEYOR
 DATE: 05-22-2023

SEE CULVERT AND CROSSING DETAILS ON SHEET 2

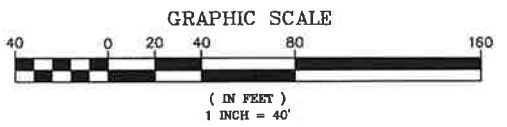
ZONING DISTRICT

R-1 LOW DENSITY

AREA	2 ACRES
WIDTH	150'
DEPTH	150'
FRONTAGE	150'
BUILDING HEIGHT	35'
BUILDING SETBACKS	25'
FRONT SIDE REAR	15'
BUILDING COVERAGE	15%
OPEN SPACE	80%

N/F
 TOWN OF EXETER
 10 FRONT STREET
 EXETER, NH 03833

- LEGEND**
- I.P. IRON PIPE
 - I ROD IRON ROD
 - FND. FOUND
 - /○ ASSESSORS MAP AND PARCEL
 - OHW OVER HEAD WIRE
 - UTILITY POLE
 - ▭ WETFLAG
 - ▲ WETLAND



WETLANDS DELINEATION BY
 GOVE ENVIRONMENTAL, INC.
 8 CONTINENTAL DRIVE UNIT H
 EXETER, NH 03833

IN ACCORDANCE WITH THE U.S. ARMY CORPS OF ENGINEERS WETLAND DELINEATION MANUAL, TECHNICAL REPORT Y-87-1 (JANUARY, 1987); REGIONAL SUPPLEMENT TO THE CORPS OF ENGINEERS WETLAND DELINEATION MANUAL: NORTH CENTRAL AND NORTHEAST REGION (OCTOBER 2012); NEW ENGLAND HYDRIC SOILS TECHNICAL COMMITTEE'S "FIELD INDICATORS OF IDENTIFYING HYDRIC SOILS IN NEW ENGLAND," VERSION 4, 2017; CODE OF ADMINISTRATIVE RULES. NHDES WETLANDS BUREAU (CURRENT).

NHDES WETLAND PLAN
 IN
 EXETER, NH

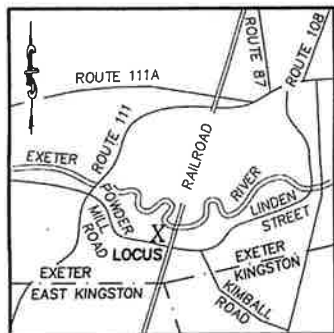
SHOWING
 A DRIVEWAY CROSSING
 AT 24 POWDER MILL ROAD
 (ASSESSORS MAP 102 LOT 4)

RECORD OWNER
SCHAEFER FAMILY TRUST
 RICHARD C. & DEBBI L. SCHAEFER TRUSTEES
 24 POWDER MILL ROAD EXETER, NH 03833

MILLENNIUM ENGINEERING INC.
 ENGINEERS AND LAND SURVEYORS
 P.O. BOX 745 13 HAMPTON ROAD EXETER, NH 03833
 PHONE: (603) 778-0528 FAX: (603) 772-0689

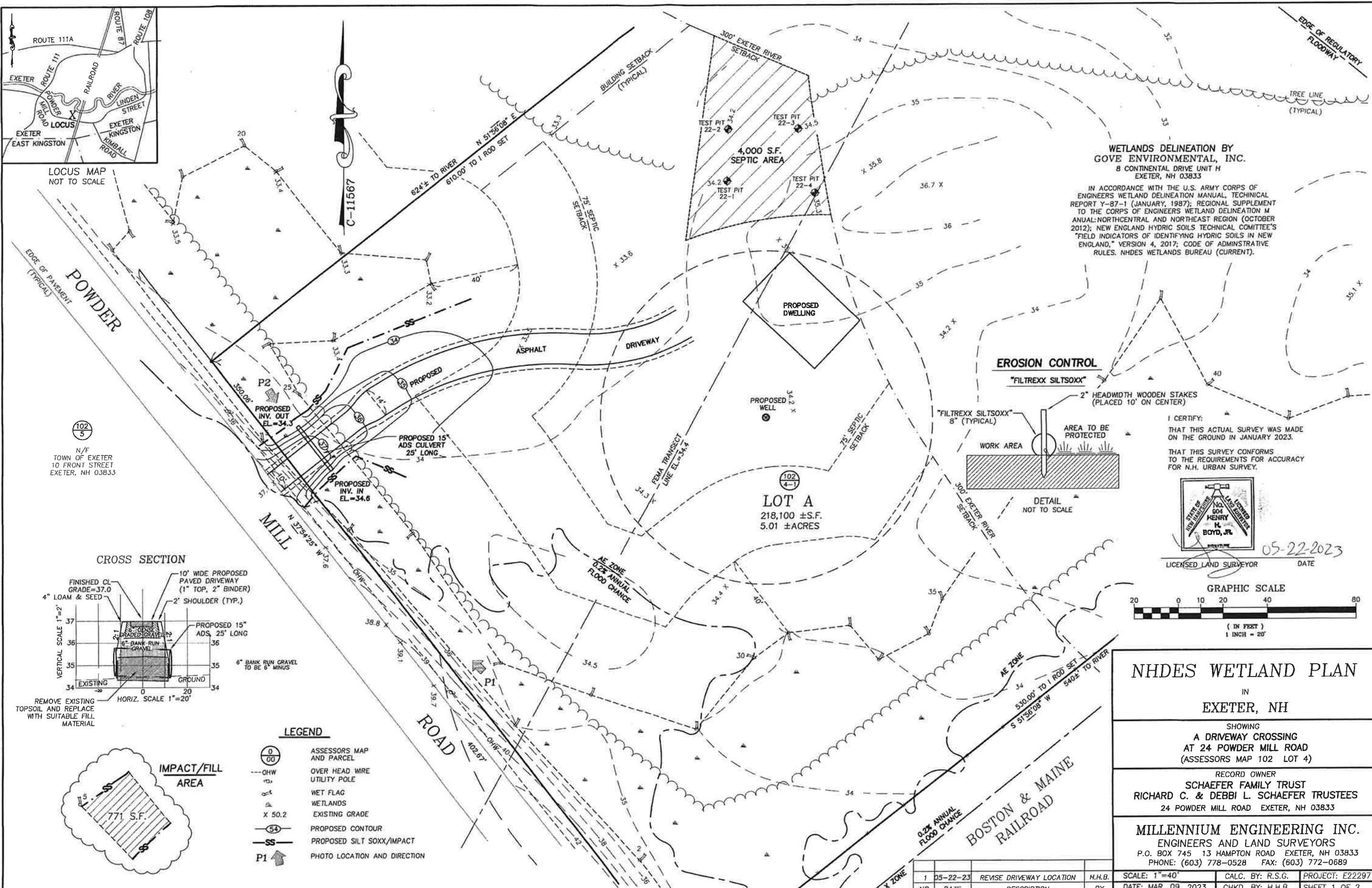
NO.	DATE	DESCRIPTION	BY
1	05-22-23	REVISE DRIVEWAY LOCATION	H.H.B.

SCALE: 1"=40'
 DATE: MAR. 09, 2023
 CALC. BY: R.S.G.
 CHKD. BY: H.H.B.
 PROJECT: E222977
 SHEET 1 OF 2

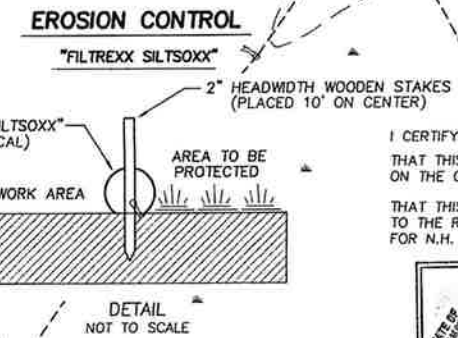


WETLANDS DELINEATION BY
GOVE ENVIRONMENTAL, INC.
 8 CONTINENTAL DRIVE UNIT H
 EXETER, NH 03833

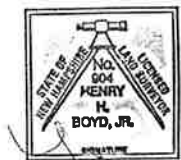
IN ACCORDANCE WITH THE U.S. ARMY CORPS OF ENGINEERS WETLAND DELINEATION MANUAL, TECHNICAL REPORT Y-87-1 (JANUARY, 1987); REGIONAL SUPPLEMENT TO THE CORPS OF ENGINEERS WETLAND DELINEATION MANUAL: NORTH CENTRAL AND NORTHEAST REGION (OCTOBER 2012); NEW ENGLAND HYDRIC SOILS TECHNICAL COMMITTEE'S "FIELD INDICATORS OF IDENTIFYING HYDRIC SOILS IN NEW ENGLAND," VERSION 4, 2017; CODE OF ADMINISTRATIVE RULES, NHDES WETLANDS BUREAU (CURRENT).



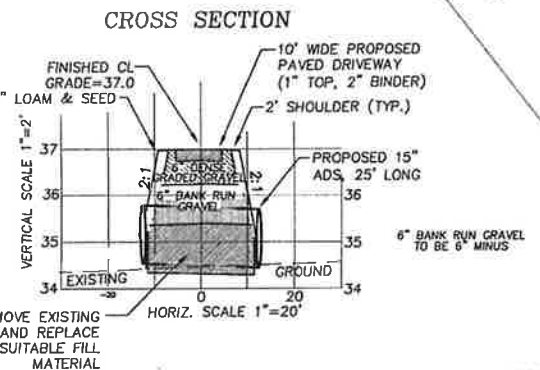
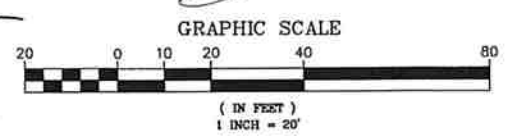
102
5
N/F
TOWN OF EXETER
10 FRONT STREET
EXETER, NH 03833



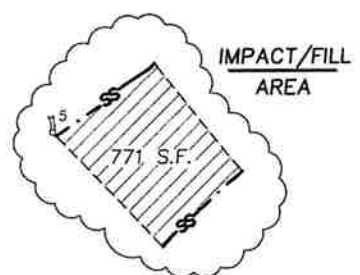
I CERTIFY:
 THAT THIS ACTUAL SURVEY WAS MADE ON THE GROUND IN JANUARY 2023.
 THAT THIS SURVEY CONFORMS TO THE REQUIREMENTS FOR ACCURACY FOR N.H. URBAN SURVEY.



05-22-2023
 LICENSED LAND SURVEYOR DATE



- LEGEND**
- ASSESSORS MAP AND PARCEL
 - OVER HEAD WIRE UTILITY POLE
 - WET FLAG
 - WETLANDS
 - EXISTING GRADE
 - PROPOSED CONTOUR
 - PROPOSED SILT SOXX/IMPACT
 - PHOTO LOCATION AND DIRECTION



NHDES WETLAND PLAN
 IN
EXETER, NH

SHOWING
A DRIVEWAY CROSSING AT 24 POWDER MILL ROAD (ASSESSORS MAP 102 LOT 4)

RECORD OWNER
SCHAEFER FAMILY TRUST
 RICHARD C. & DEBBI L. SCHAEFER TRUSTEES
 24 POWDER MILL ROAD EXETER, NH 03833

MILLENNIUM ENGINEERING INC.
 ENGINEERS AND LAND SURVEYORS
 P.O. BOX 745 13 HAMPTON ROAD EXETER, NH 03833
 PHONE: (603) 778-0528 FAX: (603) 772-0689

NO.	DATE	DESCRIPTION	BY
1	05-22-23	REVISE DRIVEWAY LOCATION	H.H.B.

SCALE: 1"=40'
 DATE: MAR. 09, 2023
 CALC. BY: R.S.G.
 CHKD. BY: H.H.B.
 PROJECT: E222977
 SHEET 1 OF 2



July 2023

Ref: 52776.00

Andrea Kohler
Exeter Town Clerk
10 Front Street
Exeter, NH 03833

Re: NHDES Minimum Impact Expedited Wetlands Permit Application
Epping Road (NH Route 27) Improvement Project, Exeter, NH

Dear Ms. Kohler:

On behalf of the Town of Exeter ("the Applicant"), VHB is submitting a NH Department of Environmental Services (NHDES) Minimum Impact Expedited Wetlands Permit Application for proposed roadway improvements along Epping Road (NH Route 27 or NH 27) in Exeter, NH beginning at the intersection with Continental Drive and extending north to approximately 300 feet north of the Cronin Road intersection.

Roadway widening is proposed along both sides of Epping Road beginning from the Continental Road intersection to the northern project limit to make this section of Epping Road three lanes wide instead of two lanes, adding various turn lanes to improve traffic flow and safety. The Project purpose is to address capacity and safety concerns that exist along the corridor due to increasing local and regional development. During peak traffic periods it becomes difficult to turn into or out of the adjacent drives and side streets. This can lead to congestion on the main road and increase crashes due to risk taking. There is also a need for pedestrian accommodations within the project since there are very limited existing sidewalks. Additional proposed work includes driveway reconstructions, new curbed sidewalks on both sides, drainage improvements, striping, pavement resurfacing, and sign installation. A total of approximately 868 square feet of permanent impact and 798 square feet of temporary impacts is proposed within roadside palustrine wetlands to widen the existing roadway and improve traffic flow and safety along NH 27.

This project is being submitted as a Minimum Impact Expedited Wetlands Permit Application per Env-Wt 407.03(a) since this project proposes less than 3,000 square feet (sq ft) of jurisdictional impacts to palustrine wetlands and complies with the expedited permit criteria in Env-Wt 306.03 and Env-Wt 310. In accordance with the procedure for submitting a Wetlands Permit Application to NHDES in RSA 482-A:3(I)(a)(1), we are submitting four copies of the application for internal distribution to the local governing body, planning board, and conservation commission. You must also retain one copy of the permit application package to be made accessible to the public.

Please do not hesitate to contact me at pwalker@vhb.com or (603) 391-3942 if you have any questions.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Peter Walker', is written over a light blue horizontal line.

Peter Walker
Principal, Environmental Services

2 Bedford Farms Drive
Suite 200
Bedford, New Hampshire 03110
P 603.391.3900
F 603.518.7495

Engineers | Scientists | Planners | Designers

Epping Road Improvement Project

Exeter, New Hampshire

PREPARED FOR



Town of Exeter
10 Front Street
Exeter, NH 03833

PREPARED BY



2 Bedford Farms Drive, Suite 200
Bedford, NH 03110
603.391.3900

July 2023

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NHDES Wetlands Permit Application Form

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Appendices

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Appendix B	Project Plans
Appendix C	Site Photographs
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Appendix E.....	USFWS IPaC Results and Correspondence
Appendix F.....	Abutter Information
Appendix G	USACE Appendix B Checklist



Env-Wt 310.01
EXPEDITED MINIMUM IMPACT (EXP)
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: **Town of Exeter**

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 Restoration 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? If yes, provide the following information: <ul style="list-style-type: none"> • Does the project qualify for an Impact Classification Adjustment (e.g. NH Fish and Game Department (NHF&G) and NHB agreement for a classification downgrade) or a Project-Type Exception (e.g. Maintenance or Statutory Permit-by-Notification (SPN) project)? See Env-Wt 407.02 and Env-Wt 407.04). • Protected species or habitat? <ul style="list-style-type: none"> ○ If yes, species or habitat name(s): slender blue beardless-iris ○ NHB Project ID #: NHB23-0464 • Bog? • Floodplain wetland contiguous to a tier 3 or higher watercourse? • Designated prime wetland or duly-established 100-foot buffer? • Sand dune, tidal wetland, tidal water, or undeveloped tidal buffer zone? 	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Is the property within a Designated River corridor? If yes, provide the following information: <ul style="list-style-type: none"> • Name of Local River Management Advisory Committee (LAC): <input style="width: 50px;" type="text"/> • A copy of the application was sent to the LAC on Month: <input style="width: 20px;" type="text"/> Day: <input style="width: 20px;" type="text"/> Year: <input style="width: 20px;" type="text"/> 	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
For dredging projects, is the subject property contaminated? <ul style="list-style-type: none"> • If yes, list contaminant(s): <input style="width: 50px;" type="text"/> 	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Is there potential to impact impaired waters, class A waters, or outstanding resource waters?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
For stream crossing projects, provide watershed size (see Wetland Permit Planning Tool or Stream Stats): not applicable.	

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

SECTION 2 - ELIGIBILITY (Env-Wt 306.03; Env-Wt 310.01; Env-Wt 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 (Env-Wt 306.03).
- The project does not include activities that are prohibited under RSA 482-A (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 (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 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 (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 (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))

Identify the rule(s)/provision(s) which make the project a minimum impact project. Refer to the project list below and the [Expedited Minimum Impact \(EXP\) Project Classification Guidance Document](#).

- Aquatic Vegetation Control Projects (Env-Wt 510.08(a))
- Water Access Structure Construction Projects (Env-Wt 511.06(a))
- Beach Replenishment Projects (Env-Wt 511.07(a))
- Deck or Patio Repair Projects (Env-Wt 511.08(a))
- Breakwater Maintenance and Repair Projects (Env-Wt 512.07(b))
- Docking and Accessory Docking Structure Construction, Repair, and Replacement Projects (Env-Wt 513.24(a))
- Docking Structure Modification Projects (Env-Wt 513.25(a))
- Accessory Docking Structure Installation, Construction, Modification, Repair, and Replacement Projects (Env-Wt 513.26(a))
- Canopy Projects (Env-Wt 513.27(a))
- Bank/Shoreline Stabilization Construction Projects (Env-Wt 514.07(a))
- Dug-in Basins and Boathouse Construction or Modification Projects (Env-Wt 515.06(a), (b))
- Dug-in Basins and Boathouse Maintenance and Repair Projects (Env-Wt 515.07(a))
- Intake and Outflow Structure Construction, Maintenance and Repair Projects (Env-Wt 516.05; Env-Wt 516.06(b))
- Trail or Pathway Projects (Env-Wt 517.06(a); Env-Wt 517.06(d))
- Boardwalk Projects (Env-Wt 517.07(a); (Env-Wt 517.09))
- Dry Hydrants and Other Non-Docking Structure Projects (Env-Wt 518.07(a)(1), (b))
- Pond Construction, Maintenance, and Repair Projects (Env-Wt 519.08(a), (b); Env-Wt 519.09(a))
- Residential Utility Installation Projects (Env-Wt 521.06(a)(7))

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

- Non-tidal Dredging Projects (Env-Wt 523.04(a))
- Residential, Commercial, and Industrial Development Projects (Env-Wt 524.06(b))
- Restoration/Enhancement Projects (Env-Wt 525.05)
- Dam Construction, Reconstruction, or Replacement Projects (Env-Wt 526.06(a))
- Dam Modification, Repair, or Maintenance Projects (Env-Wt 526.07(a))
- Pubic Highway Projects (Env-Wt 527.06; Env-Wt 527.07)
- Coastal Projects (Env-Wt 600)
- Stream Crossing Projects (Env-Wt 903.01(e))
- All Other Projects (Env-Wt 407.03)

Provide the project-specific information required by the rule(s)/provision(s). Refer to Chapters Env-Wt 400, Env-Wt 500, Env-Wt 600, and/or Env-Wt 900, as applicable, for project-specific application and design requirements. This project is being submitted as a Minimum Impact Expedited Permit per Env-Wt 407.03(a) since this project proposes less than 3,000 square feet (sq ft) of jurisdictional impacts. This project's compliance with Env-Wt 527 is highlighted in Section 5 of the Application Narrative. Env-Wt 600 and 900 are not applicable to the proposed project since there are no coastal lands/tidal waters/tidal wetlands or stream crossings within the proposed limits of work.

Please see applicable Standard Project Specific Worksheets for guidance.

For projects located on waterbodies, provide the linear feet of shoreline frontage on the property: linear feet
 Not applicable

Provide 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".

The Town of Exeter proposes to permanently impact approximately 868 sq ft within palustrine wetlands and temporarily impact approximately 798 sq ft within palustrine wetlands to widen the existing roadway and improve traffic flow and safety along Epping Road/NH 27 beginning at the intersection with Continental Drive and extending north to approximately 300 feet north of the Cronin Road intersection.

Roadway widening is proposed along both sides of Epping Road beginning from the Continental Road intersection to the northern project limit to make this entire section of Epping Road three lanes wide instead of two lanes, adding various turn lanes to improve traffic flow and safety. The Project purpose is to address capacity and safety concerns that exist along the corridor due to increasing local and regional development. During peak traffic periods it becomes difficult to turn into or out of the adjacent drives and side streets. This can lead to congestion on the main road and increase crashes due to risk taking. There is also a need for pedestrian accommodations within the project since there are very limited existing sidewalks. Additional proposed work includes driveway reconstructions, new curbed sidewalks on both sides, drainage improvements, striping, pavement resurfacing, and sign installation.

Identify the type of jurisdictional resources to be impacted and the area of impact in square feet and/or linear feet: The Town of Exeter proposes to permanently impact approximately 868 sq ft within palustrine wetlands and temporarily impact approximately 798 sq ft within palustrine wetlands to widen the existing roadway and improve traffic flow and safety along NH 27.

Not applicable

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

ADDRESS: Epping Road (NH Route 27) - Continental Drive Intersection to Cronin Road Intersection

TOWN/CITY: Exeter

TAX MAP/LOT NUMBER: N/A

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

LATITUDE/LONGITUDE in decimal degrees (to five decimal places): 42.995247 ° North
-70.971728 ° 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: The Town of Exeter c/o Paul Vlasich

MAILING ADDRESS: 13 Newfields Road

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

PHONE: 603-773-6160 EMAIL ADDRESS (OPTIONAL): pvlasic@exeternh.gov

ELECTRONIC COMMUNICATION: By initialing here: PV, 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: VHB c/o Peter J. Walker

MAILING ADDRESS: 2 Bedford Farms Drive, Suite 200

TOWN/CITY: Bedford STATE: NH ZIP CODE: 03110

PHONE: 603-391-3900 EMAIL ADDRESS (OPTIONAL): pwalker@vhb.com

ELECTRONIC COMMUNICATION: By initialing here: *PJW*, 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: same as applicant. Municipally owned roadway right-of-way.

MAILING ADDRESS: [REDACTED]

TOWN/CITY: [REDACTED] STATE: [REDACTED] ZIP CODE: [REDACTED]

PHONE: [REDACTED] EMAIL ADDRESS (OPTIONAL): [REDACTED]

ELECTRONIC COMMUNICATION: By initialing here: [REDACTED], 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:



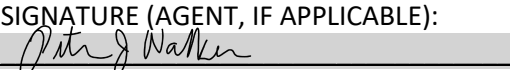
Initials: [REDACTED] [REDACTED] [REDACTED]	The proposed project meets the conditions and limits of the applicable minimum impact project rule.
Initials: [REDACTED] [REDACTED] [REDACTED]	All abutters have been notified.
Initials: [REDACTED] [REDACTED] [REDACTED]	If the project is to repair or replace a docking structure, the docking structure is an existing legal structure. <input checked="" type="checkbox"/> N/A
Initials: [REDACTED] [REDACTED] [REDACTED]	The proposal is the alternative with the least adverse impact to jurisdictional areas, as required by Env-Wt 310.01(d)(4).
Initials: [REDACTED] [REDACTED] [REDACTED]	The project is not an after-the-fact application.
Initials: [REDACTED] [REDACTED] [REDACTED]	The project is: <ul style="list-style-type: none"> • Not located in a PRA, or • Is located in a PRA but is subject to a classification adjustment under Env-Wt 407.02 or a project-type exception under Env-Wt 407.04.
Initials: [REDACTED] [REDACTED] [REDACTED]	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.

Initials: 	To the best of the signer's knowledge and belief, all required notifications have been provided.
Initials: 	The information submitted on or with the application is true, complete, and not misleading to the best of the signer's knowledge and belief.
Initials: 	The signer understands that: <ul style="list-style-type: none"> • The submission of false, incomplete, or misleading information constitutes grounds for NHDES to: <ol style="list-style-type: none"> 1. Deny the application. 2. Revoke any approval that is granted based on the information. 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. • The signer is subject to the penalties specified in New Hampshire law for falsification in official matters, currently RSA 641. • 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.
Initials: 	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.

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




SIGNATURE (OWNER)*: 	PRINT NAME LEGIBLY: Town of Exeter c/o Paul Vlasich	DATE: 
--	--	--

*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 if your project meets this exception: .

SIGNATURE (APPLICANT, IF DIFFERENT FROM OWNER): 	PRINT NAME LEGIBLY: N/A, same as owner	DATE: 
SIGNATURE (AGENT, IF APPLICABLE): 	PRINT NAME LEGIBLY: VHB c/o Peter J. Walker	DATE: 6/15/2023

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

The signed statement from the Conservation Commission may be submitted electronically.
 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 the municipality waives its right to intervene on the project, 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: (<input checked="" type="checkbox"/> N/A This project is not within a Designated River Corridor)		
AUTHORIZED LAC REPRESENTATIVE SIGNATURE: _____	PRINT NAME LEGIBLY: _____	DATE: _____

**Note: If the application is administratively complete, except for the signed statement from the Conservation Commission and/or LAC, the application will be processed under the application processing times established in RSA 482-A:3, XIV (Env-Wt 310.02(h)). The applicant may also indicate that they are applying for a minimum impact application under standard processing timelines.

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 four copies of the application, including all attachments.	
TOWN/CITY CLERK SIGNATURE: _____	PRINT NAME LEGIBLY: Andrea Kohler
TOWN/CITY: Exeter	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.

Application Narrative



1

Introduction and Project Description

On behalf of the Town of Exeter (“the Applicant”), this Wetlands Permit Application was prepared by VHB pursuant to the New Hampshire Revised Statutes Annotated (RSA) Chapter 482-A, Fill and Dredge in Wetlands, and Wetland Bureau Code of Administrative Rules, Chapters Env-Wt 100 through Env-Wt 900. This project is being submitted as a Minimum Impact Expedited Permit per Env-Wt 407.03(a) since this project proposes less than 3,000 square feet (sq ft) of jurisdictional impacts.

The Town of Exeter proposes roadway improvements along Epping Road (NH Route 27 or NH 27) in Exeter, NH (“the Project”) beginning at the intersection with Continental Drive and extending north to approximately 300 feet north of the Cronin Road intersection (“the Site”). Roadway widening is proposed along both sides of Epping Road beginning from the Continental Road intersection to the northern project limit to make this section of Epping Road three lanes wide instead of two lanes, adding various turn lanes to improve traffic flow and safety. The Project purpose is to address capacity and safety concerns that exist along the corridor due to increasing local and regional development. During peak traffic periods it becomes difficult to turn into or out of the adjacent drives and side streets. This can lead to congestion on the main road and increase crashes due to risk taking. There is also a need for pedestrian accommodations within the project since there are very limited existing sidewalks.

Additional proposed work includes driveway reconstructions, new curbed sidewalks on both sides, drainage improvements, striping, pavement resurfacing, and sign installation. Refer to the **Figures 1 and 2** provided in **Appendix A**.

Potential Permit Description: *The Town of Exeter proposes to permanently impact approximately 868 sq ft within palustrine wetlands and temporarily impact approximately 798 sq ft within palustrine wetlands to widen the existing roadway and improve traffic flow and safety along NH 27.*



2

Site Description and Existing Conditions

The Site consists of the existing two-lane Epping Road (NH Route 27 or NH 27) between the Continental Drive intersection to the south to approximately 300 feet north of the Cronin Road intersection within an actively developing commercial area in Exeter, NH. The Site ends south of the intersection of Epping Road and NH Route 101. Epping Road is bordered by forested land, palustrine wetlands, commercial businesses, and a single residential property.

Epping Road is generally a two-lane road with turn lanes added at specific intersections. Traffic is heavy during peak hours and the continuous flow makes it difficult for motorists to turn left into or out of the adjacent drives and side streets.

2.1 Natural Resource Review

The following information is based on a review of the NHDES Wetlands Permit Planning Tool (WPPT).

- › *ARM Funded Sites:* There are no Aquatic Resource Mitigation (ARM) Funded Sites within the vicinity of the Site.
- › *Conservation or Public Lands:* There are no conservation or public lands that intersect the Site. However, there are two permanent municipal conservation easements within the vicinity of the Site that will not be impacted by the proposed activities. One is named Mobil and is located off Cronin Road, east of Epping Road, and the other is named Edmunds and is located behind a small plaza off Jillian Lane, west of Epping Road.
- › *Priority Resource Areas (PRAs):* There are no mapped PRAs within the Site, nor any resources that meet the definitions of a PRA. PRAs include bogs/peatlands, floodplain wetlands contiguous to tier 3 or higher watercourses, prime wetlands, 100-foot prime wetland buffers, sand dunes, tidal waters or tidal wetlands, and areas that have documented occurrences of protected species or habitat in accordance with Env-Wt 103.66.

- › *Impairments:* The eastern half of the Site is located within the quarter mile buffer of Norris Brook (NHRIV600030806-01) which is listed as impaired for *E. coli*. The proposed activities are not expected to contribute to this impairment.
- › *Other Water Types:* There are no Class A waters or outstanding resource watersheds within the vicinity of the Site. Furthermore, there are no National Wild and Scenic Rivers within the Site.
- › *Designated River Corridor:* There are no Designated River Corridors that intersect or abut the Site. Therefore, no coordination with a Local Advisory Committee is required.
- › *Floodplains and Floodways:* There are no Federal Emergency Management Agency (FEMA) mapped floodplains or floodways within the vicinity of the Site. Refer to the **Figure 3** provided in **Appendix A**.
- › *Shoreland Jurisdiction:* There are no watercourses or waterbodies subject to the Surface Water Quality Protection Act (SWQPA) within the vicinity of the Site. Therefore, no permitting through the NHDES Shoreland Program is required for this Project.
- › *Wildlife Action Plan:* The NH Fish & Game Department (NHF&G) has developed the New Hampshire Wildlife Action Plan (WAP) to assist with conserving and protecting wildlife species and habitat types throughout the State. The WAP identifies ranked habitat tiers that recognize the highest quality habitats in the state. Habitat tiers were created by the NHF&G Department using biological data, landscape data, and human influence information. Habitat tiers are separated into three rankings, which are 1) *Highest Ranked Habitat in the State*, 2) *Highest Ranked Habitat in Biological Region*, and 3) *Supporting Landscape*. The Site is bordered by forested areas that are mapped as Supporting Landscape. Refer to the **Figure 4** provided in **Appendix A**. The Site is primarily Developed Impervious and Developed or Barren Land but is also bordered by the Appalachian Oak-Pine, Wet Meadow/Shrub Wetland, Open Water, and Temperate Swamp habitat types. Refer to the **Figure 5** provided in **Appendix A**.

2.2 Natural Resource Delineation

Jurisdictional wetlands and surface waters within the Site were delineated by VHB Senior Environmental Scientist Kristopher Wilkes (NH CWS #288) over the course of several site visits in June of 2021. Wetland delineation was performed in accordance with the procedures and standards outlined in the *1987 Corps of Engineers Wetland Delineation Manual and the Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Northcentral and Northeast Region, Version 2.0* (January 2012). Wetland delineation also relied upon the *Field Indicators for Identifying Hydric Soils in the United States, Version 8.1*, published by the Natural Resource Conservation Service and the *Field Indicators for Identifying Hydric Soils in New England, Version 4.0*, published by the New England Interstate Water Pollution Control Commission. Dominant wetland vegetation was assessed using the *2020 National Wetland Plant List* published by the U.S. Army Corps of Engineers. Wetlands were classified using the USFWS methodology *Classification of Wetlands and Deepwater Habitats of the United States* (Cowardin et al. 1979, revised 1985). Resources were delineated using alpha-numerically coded pink and blue flagging tape, respectively. Site observations and field data collected specific to resources proposed to be impacted by the Project are summarized below. It should be noted that a potential vernal pool was identified during the delineation field work west of Epping Road on Tax Map 47, Lot 7. However, since it is not proposed to be impacted,

it is not discussed further in this application. Delineated resources are depicted on the **Wetland Impact Plans** provided in **Appendix B** and **Site Photographs** are provided in **Appendix C**.

In accordance with Env-Wt 311.10, functional assessments are only required for minor and major impact projects and, therefore, the applicable forms are not included as part of this minimum impact application. Similarly, Env-Wt 311.10(d) requires a wetland evaluation report (in other words, detailed descriptions of the wetlands along with the functional assessment) for minor and major impact projects. Therefore, we have included an overview of the delineated natural resources and only provided detailed descriptions of the specific wetlands that are proposed to be impacted.

Wetland W-1 & Stream S-2

Wetland W-1 is a large Palustrine, Forested, Broad-Leaved Deciduous, Seasonally Flooded/Saturated (PFO1E) wetland that is located downslope of the eastern road shoulder of Epping Road, extending easterly outside of the Site. Wetland W-1 is hydrologically connected to a larger wetland system located east of Epping Road and south of NH 101. A small 2 to 4-foot-wide intermittent stream, identified as S-2 and classified as Riverine, Intermittent, Streambed, Sand (R4SB4), drains into Wetland W-1 via a 12-inch PVC pipe culvert and concrete headwall.

Stream S-2 is fed by Wetland W-3 which is located opposite of Wetland W-1 along the western shoulder of Epping Road. This stream is also associated with Wetland W-3.

Wetland vegetation present within Wetland W-1 includes red maple (*Acer rubrum*), blue beech (*Carpinus caroliniana*), highbush blueberry (*Vaccinium corymbosum*), eastern white pine (*Pinus strobus*), cinnamon fern (*Osmundastrum cinnamomeum*), sensitive fern (*Onoclea sensibilis*), peat moss (*Sphagnum* spp.), species of ash (*Fraxinus* spp.), soft rush (*Juncus effusus*), reed canary grass (*Phalaris arundinacea*), and various other grasses and sedges (*Carex* spp.). Several invasive species were noted within Wetland W-1, including honeysuckle (*Lonicera* sp.), glossy buckthorn (*Frangula alnus*), multiflora rose (*Rosa multiflora*), and oriental bittersweet (*Celastrus orbiculatis*).

Soils sampled within Wetland W-1 consist of a fine sandy loam with a depleted matrix with redox concentrations within 2 inches of the soil surface meeting the criteria of Hydric Indicator F3: Depleted Matrix. Wetland hydrological indicators observed consisted of pockets of surface water, soil saturation, geomorphic position, hummock/hollow micro-topography, and drainage patterns.

Wetland W-2 & Stream S-1

Wetland W-2 is a multi-cover class complex located along the eastern side of Epping Road to the north of Wetland W-1. Central and southern portions of Wetland W-2 are classified as PFO1E transitioning to Palustrine, Forested, Broad-Leaved Deciduous, Intermittently Exposed (PFO1G) within flooded portions of the wetland further to the east. Wetland W-2 is also characterized by a ponded area, classified as Palustrine, Unconsolidated Bottom, Mud, Permanently Flooded (PUB3H), in the northern half of the wetland. Habitat bordering the PUB3H portion of Wetland W-2 is classified as Palustrine, Scrub-Shrub, Broad-Leaved Deciduous, Seasonally Flooded/Saturated (PSS1E). A partially buried 12-inch culvert was observed in the northwestern corner of the wetland. A 6 to 10-foot-wide perennial channel, identified as Stream S-1, connects the PUB3H and PFO1E/G portions of Wetland W-2. Stream S-1 is classified as Riverine, Unknown Perennial, Unconsolidated Bottom, Mud (R5UB3), and contained stagnant water with an organic muddy substrate at the time of delineation.

Wetland vegetation present within PFO1E/G portions of Wetland W-2 consists of highbush blueberry, cinnamon fern, royal fern (*Osmunda regalis*), a species of iris (*Iris* spp.), glossy buckthorn, eastern

hemlock (*Tsuga canadensis*), button bush (*Cephalanthus occidentalis*), red maple, and peat moss. Soils were depleted below a dark surface horizon meeting the Hydric Indicator A11. Hydrological indicators observed include saturation, surface water, microtopographic relief, and water-stained leaves.

The ponded (PUB3H) portion of Wetland W-2 is bordered by speckled alder (*Alnus incana*), button bush, red maple, poison ivy (*Toxicodendron radicans*), glossy buckthorn, royal fern, a species of grape (*Vitis* spp.), witch hazel (*Hamamelis virginiana*), elderberry (*Sambucus canadensis*), with purple loosestrife (*Lythrum salicaria*), species of cattail (*Typha* spp.), various sedges and other aquatic species located within portions of the flooded edge. Water depth was estimated at 1 to 3 feet at the time of delineation.

Wetland W-3 & Stream S-3

Wetland W-3 is located along the western side of Epping Road to the north of Continental Drive. The southern portion of Wetland W-3 is classified as Palustrine, Emergent, Persistent, Seasonally Flooded, excavated (PEM1Cx) and captures drainage from the Palustrine, Emergent, Persistent and Palustrine, Scrub-Shrub, Broad-Leaved Deciduous, Seasonally Flooded/Saturated (PEM/SS1E) portion of Wetland W-3 located to the northwest. Additionally, an intermittent stream, identified as Stream S-3, originating from a drainage culvert downslope of a commercial parking lot located to the northwest is directed into Wetland W-3 through a dug swale. The intermittent channel at this location is approximately 2-3 feet wide and is classified as Riverine, Intermittent, Streambed, Sand, Excavated (R4SB4x).

The PEM1Cx portion of Wetland W-3 consists of a 4-foot-wide vegetated swale which carries drainage from north to south underneath an existing auto dealership driveway via an existing 10-inch CMP. The swale then continues south before conveying drainage underneath Epping Road to Wetland W-1 via a 12-inch PVC pipe and concrete headwall.

Wetland vegetation found within the PEM/SS1E portion of Wetland W-3 consists of narrowleaf cattail (*Typha angustifolia*), soft rush, white meadowsweet (*Spiraea alba*), glossy buckthorn, sensitive fern, red maple, species of birch (*Betula* spp.), cinnamon fern, swamp dewberry (*Rubus hispida*), speckled alder, tussock sedge (*Carex stricta*), and purple loosestrife. Wetland vegetation found within the PEM1Cx portion of Wetland W-3 consists of species of bedstraw (*Galium* spp.), soft rush, mowed cattail, and various other grasses. The PEM1Cx portion of Wetland W-3 appears to be mowed/maintained regularly. Wetland W-3 hydrological indicators observed included soil saturation, drainage patterns, surface water inputs, and geomorphic position. Wetland soils sampled consisted of a saturated and depleted fine sandy loam with redox concentrations found at various depths due to disturbance and deposits associated with the adjacent roadway.

Wetland W-4

Wetland W-4 is located within a depression area between two existing commercial businesses to the north of Wetland W-3. The southern half of Wetland W-4 is classified as PSS1C and had been recently mowed at the time of delineation. This portion of the wetland captures surface water runoff from surrounding development and roadway and gradually descends in elevation from east to west draining to a PFO1C cover type located in the northern half of Wetland W-4. Further west, Wetland W-4 transitions to a PEM/PSS cover type dominated by common reed (*Phragmites australis*).

PSS1C vegetation consists of speckled alder, sensitive fern, interrupted fern (*Osmunda claytoniana*), poison ivy, rough-stemmed goldenrod (*Solidago rugosa*), swamp dewberry, royal fern, narrowleaf goldenrod (*Euthamia graminifolia*), glossy buckthorn, red maple, white meadowsweet, soft rush, birch seedlings, broom sedge (*Carex scoparia*), and common yarrow (*Achillea millefolium*). PFO1C vegetation

consists of red maple, sensitive fern, cinnamon fern, highbush blueberry, royal fern, white meadowsweet, and poison ivy.

Soils sampled within Wetland W-4 varied depending on location meeting Hydric Indicators S5: Sandy Redox or F6: Redox Dark Surface. Wetland hydrological indicators include drainage patterns, water-stained leaves, and geomorphic position. In addition to glossy buckthorn, purple loosestrife was abundant within the PSS1C portion of the wetland.

2.3 Rare, Threatened, and Endangered Species

The following is a discussion of rare, threatened, and endangered species identified within the vicinity of the Site by the NH Natural Heritage Bureau (NHB) DataCheck tool and US Fish and Wildlife Service's (USFWS) Information for Planning and Consultation (IPaC) system.

Natural Heritage Bureau

A search for the occurrence of rare plant, animal, or natural communities associated with this Project was completed using the NHB online DataCheck tool. The NHB DataCheck Report (NHB23-0464) dated February 16, 2023, identified the potential presence of the slender blue beardless-iris (*Limniris prismatica*) within the vicinity of the Site. Refer to the **NHB DataCheck Results** provided in **Appendix D**. Consequently, coordination with the NHB is required. Through consultation with Ashley Litwinenko (NHB), she requested that a survey for the slender blue beardless-iris be conducted within the proposed impact areas in mid-June to mid-July when the species may be in flower. If not in flower, leaf width measurements will be accepted to determine species presence or absence. No construction will begin until the survey is conducted and the NHB consultation is complete (i.e., survey results shared with NHB to obtain any additional recommendations). Refer to the **NHB Coordination Documentation** provided in **Appendix D**.

US Fish and Wildlife Service

The Site was reviewed for the presence of federally listed or proposed, threatened, or endangered species, designated critical habitat, or other natural resources concerning the USFWS IPaC System. Results dated May 22, 2023, indicate the potential presence of the northern long-eared bat (*Myotis septentrionalis*, "NLEB") and monarch butterfly (*Danaus plexippus*) within the vicinity of the Site. Refer to the **USFWS IPaC Report** provided in **Appendix E**.

Northern Long-Eared Bat

The proposed Project is located within the federally protected range of the NLEB, which is a federally endangered species. Tree clearing activities are one of the largest threats to the NLEB. Based on the current plans, approximately 0.07 acres of tree clearing is proposed to accommodate the proposed roadway widening. No known hibernacula or roost trees currently exist in Exeter. The nearest known sites are in the surrounding municipalities of Newfields and Hampton. As such, the proposed Project is not within 150 feet of known occupied maternity roost trees, nor within a ¼ mile of known hibernaculum.

Consultation for the NLEB was conducted using the NLEB Rangewide Determination Key in IPaC. Since the Site does not interest an area where NLEB is likely to occur, a *no effect* determination was made for this Project. Refer to the **NLEB Consistency Letter** provided in **Appendix E**.

Monarch Butterfly

Since the monarch butterfly is a candidate species but is not listed as threatened or endangered, conservation measures are not required but should be implemented when feasible to demonstrate environmental stewardship. This species can be found anywhere where nectar producing plants are present, especially in open fields or meadows. Monarch butterflies will only breed in places with milkweed since that is the primary food source for their larva. Given the routine disturbance within the existing Site (primarily roadway right-of-way) and lack of observed milkweed, suitable habitat for this species is considered absent from the Site. The candidate status of this species does not provide protection under the Endangered Species Act, and no further coordination with the USFWS is required at this time.

2.4 Property Ownership and Abutters

All Project activities will occur within the existing roadway rights-of-way (ROW), as depicted on the **Wetland Impact Plans** provided in **Appendix B**. Despite NH 27 being a state route, the ROW is owned by the Town of Exeter.

All abutting property owners will be notified prior to the filing of this permit application as defined in Env-Wt 102.04, per Env-Wt 306.06(a), since this Project is beyond the scope of the “public highway maintenance or repair” exemption specified in Env-Wt 306.06(c)(3). A map and list of the abutting properties, sample abutter notification letter, and certified mail receipts are provided in **Appendix F**.



3

Impact Analysis and Best Management Practices

3.1 Proposed Impacts and Mitigation Assessment

Impact Analysis

The Town of Exeter proposes to permanently impact approximately 868 sq ft within palustrine wetlands and temporarily impact approximately 798 sq ft within palustrine wetlands to widen the existing roadway and improve traffic flow and safety along NH 27, as depicted on the **Wetland Impact Plans** provided in **Appendix B**. Impacts to wetlands were avoided and minimized to the extent feasible while still accomplishing the Project objectives. The permanent impacts are the result of the proposed slope lines associated with the roadway widening and the temporary impacts include areas beyond the slope lines that will provide additional workspace as needed during construction. No stream impacts are proposed as part of this Project.

Mitigation

In accordance with Env-Wt 313.04, compensatory mitigation is not required for this Project as there will be no permanent impacts to a PRA and the total proposed impacts to non-tidal wetlands are less than 10,000 sq ft.

3.2 Best Management Practices

Standard Best Management Practices (BMPs) will be applied throughout construction in accordance with applicable NHDES and NHDOT BMP Manuals to reduce the risk of erosion and sediment-laden run-off from entering the adjacent wetlands. Perimeter controls such as silt fence and/or silt sock will be installed upslope of the wetlands to ensure that surface water runoff from unstabilized areas does not carry silt, sediment, and other debris outside of the limits of work. All installed temporary erosion control measures shall be inspected daily and repaired/replaced as necessary.

In accordance with the *New Hampshire Stormwater Manual, Volume 3, Erosion and Sediment Controls During Construction* dated December 2008, areas remaining un-stabilized for a period of more than 30 days shall be temporarily seeded and mulched. Erosion control blankets shall be installed on all slopes that are greater than 3 feet horizontal and 1 foot vertical (3:1). Upon the completion of the proposed work, all disturbed and graded areas located upslope of the erosion control measures will be seeded and mulched as needed. Disturbed areas that have been seeded and mulched will be considered stable once 85-percent vegetative growth has been achieved. Refer to the **Erosion Control Plans** included as **Appendix B** for further details.

Since invasive plants are known to occur within the Site (i.e., honeysuckle, glossy buckthorn, multiflora rose, and oriental bittersweet), all work including daily removal of plant material from construction equipment, shall be constructed in accordance with NHDOT's *Best Management Practices for Roadside Invasive Plants Manual* (2008) and *Best Management Practices for the Control of Invasive and Noxious Plant Species* (2018). Only clean equipment that is free of plant material and debris shall be delivered to the Site and utilized during construction. All machinery entering and leaving any area containing invasive plants will be inspected for foreign plant matter (i.e., stems, flowers, and roots) and soil embedded in the tracks or wheels. If foreign plant matter or soil is present, the operator shall remove the plant material and soil from the machine using hand tools.



4

Other Agency Coordination

US Army Corps of Engineers

The proposed work includes 868 sq ft of permanent impacts and 798 sq ft of temporary impacts to palustrine wetlands and is subject to the USACE Section 404 jurisdiction through the New Hampshire General Permit No. NAE-2022-00849. As such, Appendix B – Corps Secondary Impacts Checklist has been completed. Refer to the **USACE Appendix B Checklist** provided in **Appendix G**.

Exeter Conservation Commission

In accordance with the requirements of a minimum impact expedited wetlands permit application, we will present this project to the Conservation Commission in advance of submission to get their signature on the application form. Any comments they have on the application will be addressed at that meeting.

Additionally, in accordance with Env-Wt 311.06(h) and RSA 482-A:3(l)(a)(1), the Conservation Commission will receive a complete copy of this application concurrent with the NHDES submission.

NH Division of Historical Resources

A Request for Project Review (RPR) is currently being prepared for submission to the NH Department of Historical Resources (NHDHR). No adverse impacts to archaeological resources nor aboveground historical resources are anticipated to result from the limited scope of the proposed activities.



5

Project-Specific Requirements (Env-Wt 500)

Since this Project involves construction activities to an existing public highway, the standards outlined in New Hampshire Administrative Rule Env-Wt 527 must be addressed.

5.1 Env-Wt 527.02: Approval Criteria for Public Highways

- (a) *The project meets the design criteria specified in Env-Wt 527.04;*

Refer to the applicable discussion in Section 5.3 of this Application Narrative below.

- (b) *The project is consistent with RSA 482-A:1, RSA 483, RSA 483-B, RSA 485-A, and RSA 212-A;*

The proposed Project is consistent with all above referenced statutes. In accordance with RSA 482-A:1 "Finding of Public Purpose," the interests of the general public regarding preservation of natural resources is in line with the proposed activities; the proposed impacts have been avoided and minimized to the extent feasible while still accomplishing the Project objectives. No substantial adverse impacts to the functions and values of the palustrine wetlands are expected to result from the limited proposed edge impacts. RSA 483 "NH Rivers Management and Protection Program" and RSA 483-B "Shoreland Water Quality Protection Act" are not applicable to this Project, as there are no perennial streams within the Site. RSA 485-A "Water Pollution and Waste Disposal" is not applicable to the proposed Project which involves improvements to an existing road to improve traffic flow. BMPs will be implemented throughout construction to protect water quality and no additional waste will be generated within the Site because of this Project post-construction. Finally, coordination with NHB was conducted to ensure all appropriate conservation measures are followed to avoid adverse impacts to identified species, thereby, complying with RSA 212-A "Endangered Species Conservation Act."

- (c) *The purpose of the project is to improve operations and public safety, consistent with federal and state safety standards;*

The Project purpose is to address capacity and safety concerns that exist along the corridor due to increasing local and regional development. During peak traffic periods it becomes difficult to turn into or out of the adjacent drives and side streets. This can lead to congestion on the main road and increase crashes due to risk taking. There is also a need for pedestrian accommodations within the project since there are very limited existing sidewalks.

- d) *The project will not cause displacement of flood storage wetlands or cause diversion of stream flow impacting abutting landowner property; and*

No streams are proposed to be impacted as part of this Project. Furthermore, the limited proposed edge impacts to the palustrine wetlands that border the existing road are minimal and not expected to adversely impact the functions and values of these wetlands (i.e., the existing flood storage capacity of the wetlands within the Site will closely match the existing conditions).

- (e) *For a project in the 100-year floodplain, the project will not increase flood stages off-site.*

Not applicable. There are no FEMA-mapped 100-year floodplains within the Site.

5.2 Env-Wt 527.03: Application Requirements for Public Highway Projects

- (a) *A description of the scope of the project, the size of the impacts to aquatic resources, and the purpose of the project;*

Please refer to the preceding sections of this Application Narrative.

- (b) *An accurate drawing with existing and proposed structure dimensions clearly annotated to:*

(1) *Document existing site conditions;*

(2) *Detail the precise location of the project and show the impact of the proposed activity on jurisdictional areas;*

(3) *Show existing and proposed contours at 2-foot intervals;*

(4) *Show existing and proposed structure invert elevations on the plans; and*

(5) *Use a scale based on standard measures of whole units, such as an engineering rule of one to 10, provided that if plans are not printed at full scale, a secondary scale shall be noted on the plans that identifies the half scale unit of measurement;*

The project plans appended to this application meet these specifications.

- (c) *All easements and right-of-way acquisition area outlines in relation to the project;*

The proposed work will occur within the limits of the existing roadway rights-of-way (ROW), as depicted on the Wetland Impact Plans provided in Appendix B.

- (d) *The name of the professional engineer who developed the plans, whether an employee of the applicant or at a consulting firm; and*

Mr. Greg Bakos, VHB, NH Professional Engineer #06255, is the engineer of record for the overall project design.

- (e) *An erosion control plan that shows:*
- (1) *Existing and proposed contours at 2-foot intervals, with existing contours shown with a lighter line weight and proposed contours shown with a heavier line weight such as a bold font; and*
 - (2) *The outermost limit of all work areas, including temporary phasing work, with perimeter controls.*
- Refer to the Erosion Control Plans provided in Appendix B.**

5.3 Env-Wt 527.04: Design Requirements for Public Highway Projects

- (a) *Protect significant function wetlands, watercourses, and PRAs;*
There are no mapped PRAs within the Site, nor any resources that meet the definitions of a PRA. Additionally, none of the delineated streams are proposed to be impacted.
- (b) *Minimize impacts to wetland and riparian function;*
All proposed impacts have been minimized to the maximum extent practicable while still accomplishing the Project objectives (i.e., traffic flow and public safety) and limiting impacts to the existing roadway ROW. This is also in compliance with Env-Wt 311.07(a).
- (c) *Maintain wetland and stream hydrology and function to the remaining aquatic resources;*
The overall hydrology and function of the delineated wetlands will not be adversely impacted post-construction as the proposed impacts are limited to the roadside edges of the wetlands, leaving most of the wetland areas undisturbed.
- (d) *Use on-site measures to compensate for any loss of flood storage where the project proposes:*
- (1) *Filling or placement of structures in a 100-year floodplain; or*
 - (2) *Greater than 0.5 acre-feet of fill volume or a road crossing that affects floodplain conveyance;*
- Not applicable. There are no FEMA-mapped 100-year floodplains within the Site.**
- (d) *Use on-site minimization and water quality protection measures to prevent direct discharge to surface waters and wetlands, including retention of vegetated filter strips between the construction area and the aquatic resource areas to disperse runoff with no direct discharge to natural wetlands or surface waters; and*
Temporary erosion controls (i.e., silt fence and/or silt sock) will be implemented throughout construction to prevent construction site sediment-laden discharge from entering the surrounding habitat areas. Refer to the Erosion Control Plans provided in Appendix B.
- (f) *Where temporary impacts will occur, include re-establishment of a similar ecosystem using vegetative species and spacing that are as similar as practicable to what was removed unless the applicant shows that the proposed vegetative composition will provide higher functions and values.*
All temporarily impacted areas will be restored as close as possible to the existing, pre-construction conditions. As needed, a wetland seed mix comprised of native plant species may be used that would perform similar, or higher, functions and values to the existing vegetation, such as Scrub/Shrub Wetland Seed Mix, Item 644.21.

5.4 Env-Wt 527.05: Construction Requirements for Public Highway Projects

- (a) *The permit shall be contingent on review and approval by the department of final stream diversion and erosion control plans that detail the timing and method of stream flow diversion during construction and show temporary siltation, erosion, and turbidity control measures to be implemented; and*
As previously mentioned, temporary erosion controls (i.e., silt fence and/or silt sock) will be implemented throughout construction to protect the surrounding habitat areas. No in-stream work or stream impacts are proposed, so no water diversion is required for this Project. Refer to the Erosion Control Plans provided in *Appendix B*.
- (b) *The contractor responsible for completion of the work shall use techniques described in Env-Wq 1504.06, Env-Wq 1504.16, Env-Wq 1505.02, Env-Wq 1506, and Env-Wq 1508.*
The contractor responsible for the completion of the proposed work will comply with the techniques described in Env-Wq 1504.06 "Plan Information," Env-Wq 1504.16 "Erosion Control Notes," Env-Wq 1505.02 "Required Construction Practices," Env-Wq 1506 "Methods for Erosion and Sediment Control During Terrain Alteration Activities," and Env-Wq 1508 "Permanent Methods for Protecting Water Quality," as applicable.

5.5 Env-Wt 527.06: Maintenance and Repair for Public Highway Projects

- (a) *A public highway maintenance project that does not qualify for an SPN because the project exceeds the statutory criteria shall be processed through a registration process under Env-Wt 309.03 if the work meets the criteria for minimum impact projects established in Env-Wt 407.*
Although this Project meets the minimum impact criteria established in Env-Wt 407, roadway widening is beyond the scope of the definitions of "maintenance" (Env-Wt 103.32¹) and "repair" (Env-Wt 104.05²).
- (b) *Replacement of dislodged rocks on an existing rip-rap portion of a legally existing permitted road embankment to stabilize the structure may be done without a permit.*
Not applicable.

¹ Env-Wt 103.32 "Maintenance" means routine activities undertaken at a sufficient frequency that the structure being maintained remains intact and functional for its intended purpose.

² Env-Wt 104.05 "Repair" when applied to any structure except a stream crossing that is subject to Env-Wt 900 means to fix or replace only those components of an existing legal structure that are worn, broken, or unsound so as to restore the structure to its original purpose.

Appendix A: Project Mapping

Figure 1: USGS Map

Epping Road (NH 27) Transportation Improvements | Exeter, NH



Path: \\vhb\gis\proj\Bedford\52776.00 Epping_Road_NH_Route_27\Project\CollectorAppEppingRoad.aprx (SPelleiter, 6/9/2023)

 Project Location

Source: VHB, ArcGISOnline

Figure 2: Aerial Overview Figure

Epping Road (NH 27) Transportation Improvements | Exeter, NH



Path: \\vhb\gis\proj\Bedford\52776.00 Epping Road_NH Route 27\Project\CollectorAppEppingRoad.aprx (SPelleiter, 6/9/2023)

— Limit of Work

Figure 3: FEMA Floodplain Figure

Epping Road (NH 27) Transportation Improvements | Exeter, NH



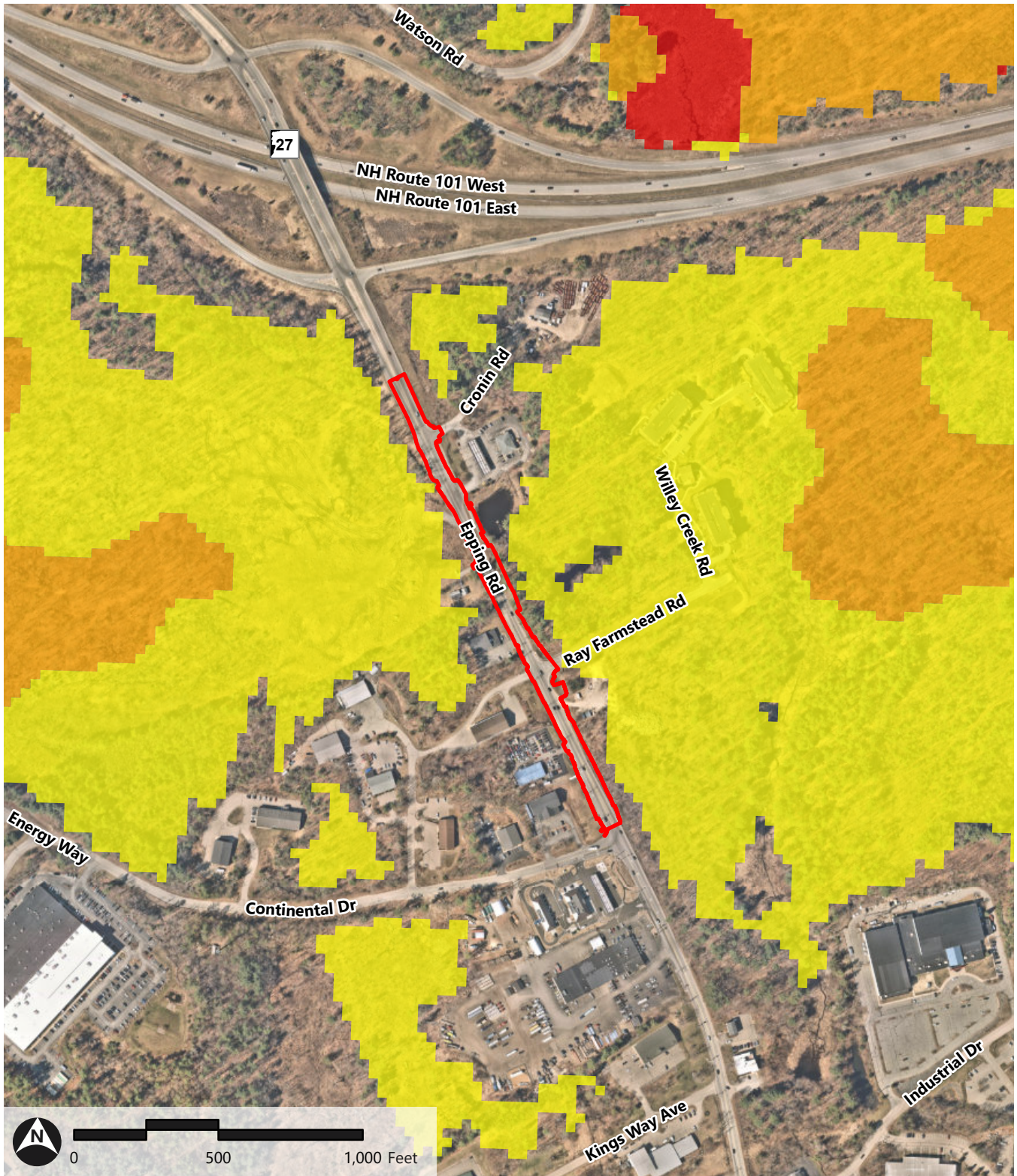
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- Limit of Work
- 1 pct. Annual Chance Flood Hazard
- 0.2 pct. Annual Chance Flood Hazard

Source: NHGRANIT, VHB, ArcGISOnline

Figure 4: NHF&G WAP Ranked Habitat Map

Epping Road (NH 27) Transportation Improvements | Exeter, NH



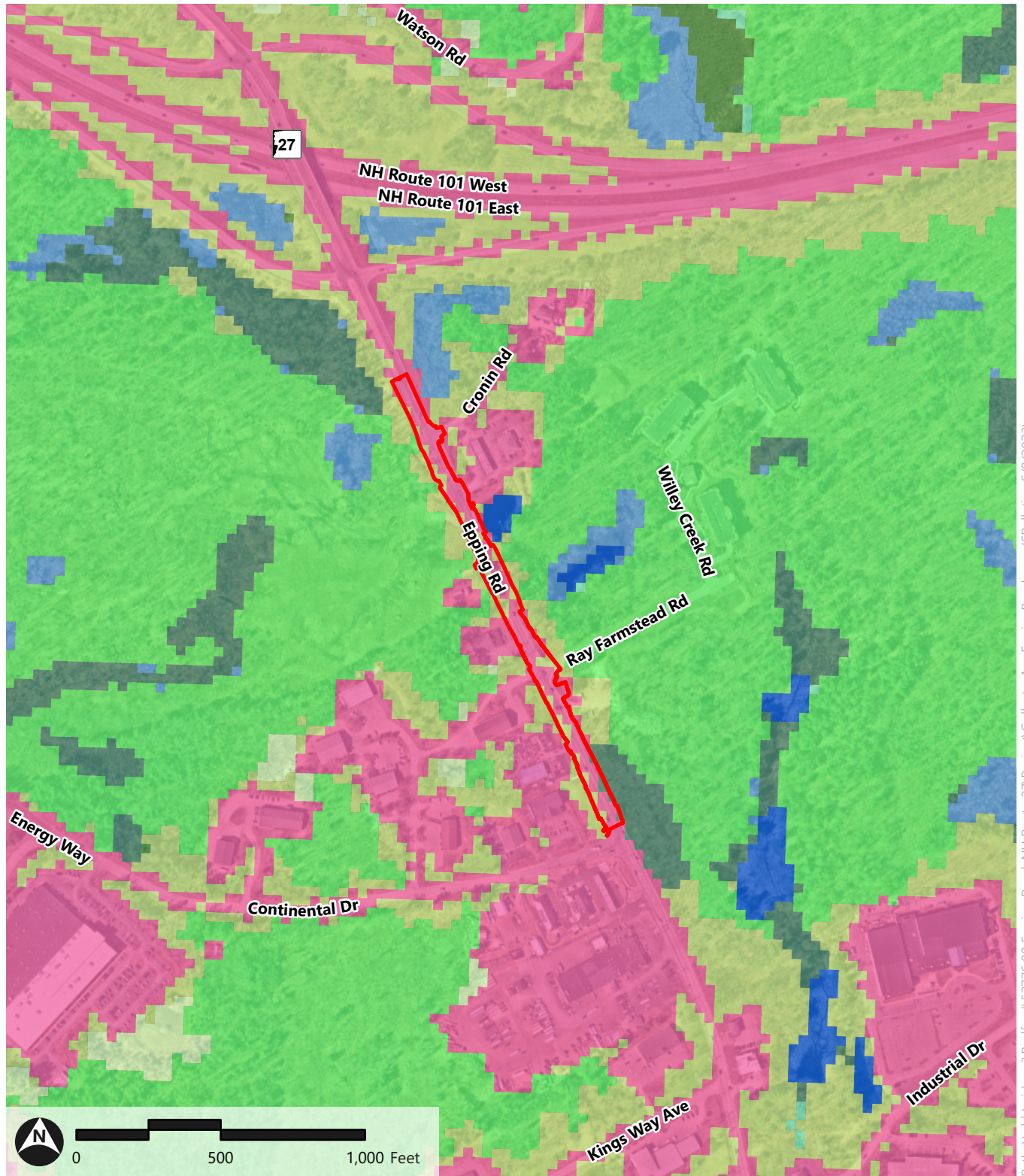
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- Limit of Work
- Wildlife Action Plan Tiers
 - 1 Highest Ranked Habitat in New Hampshire
 - 2 Highest Ranked Habitat in Biological Region
 - 3 Supporting Landscapes

Source: NHGRANIT, VHB, ArcGISOnline

Figure 5: NHF&G WAP Habitat Type Map

Epping Road (NH 27) Transportation Improvements | Exeter, NH



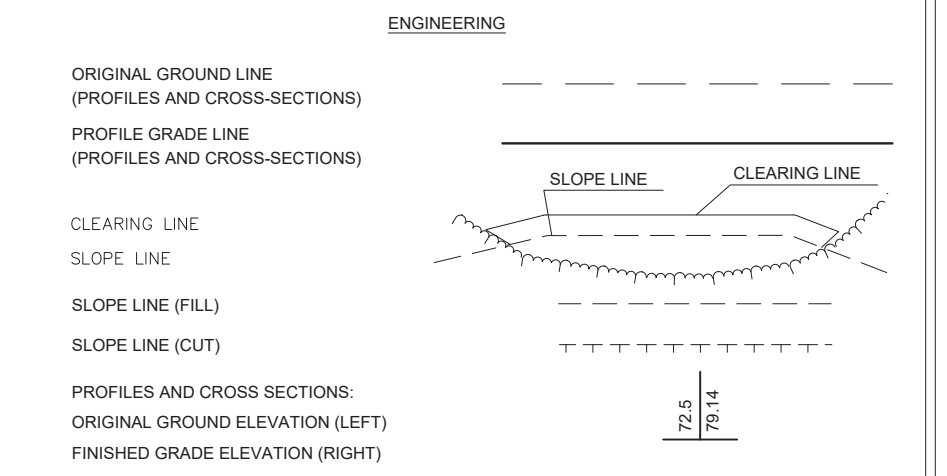
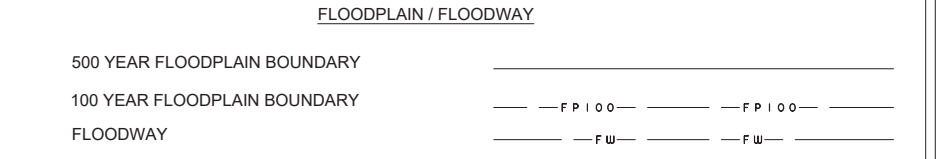
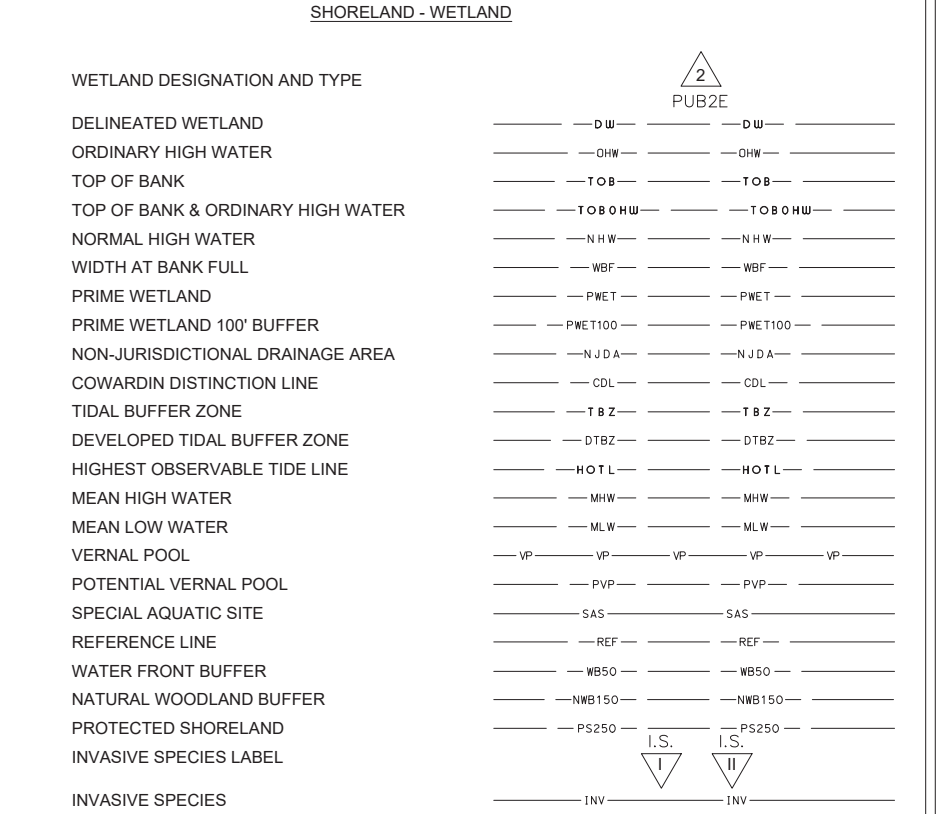
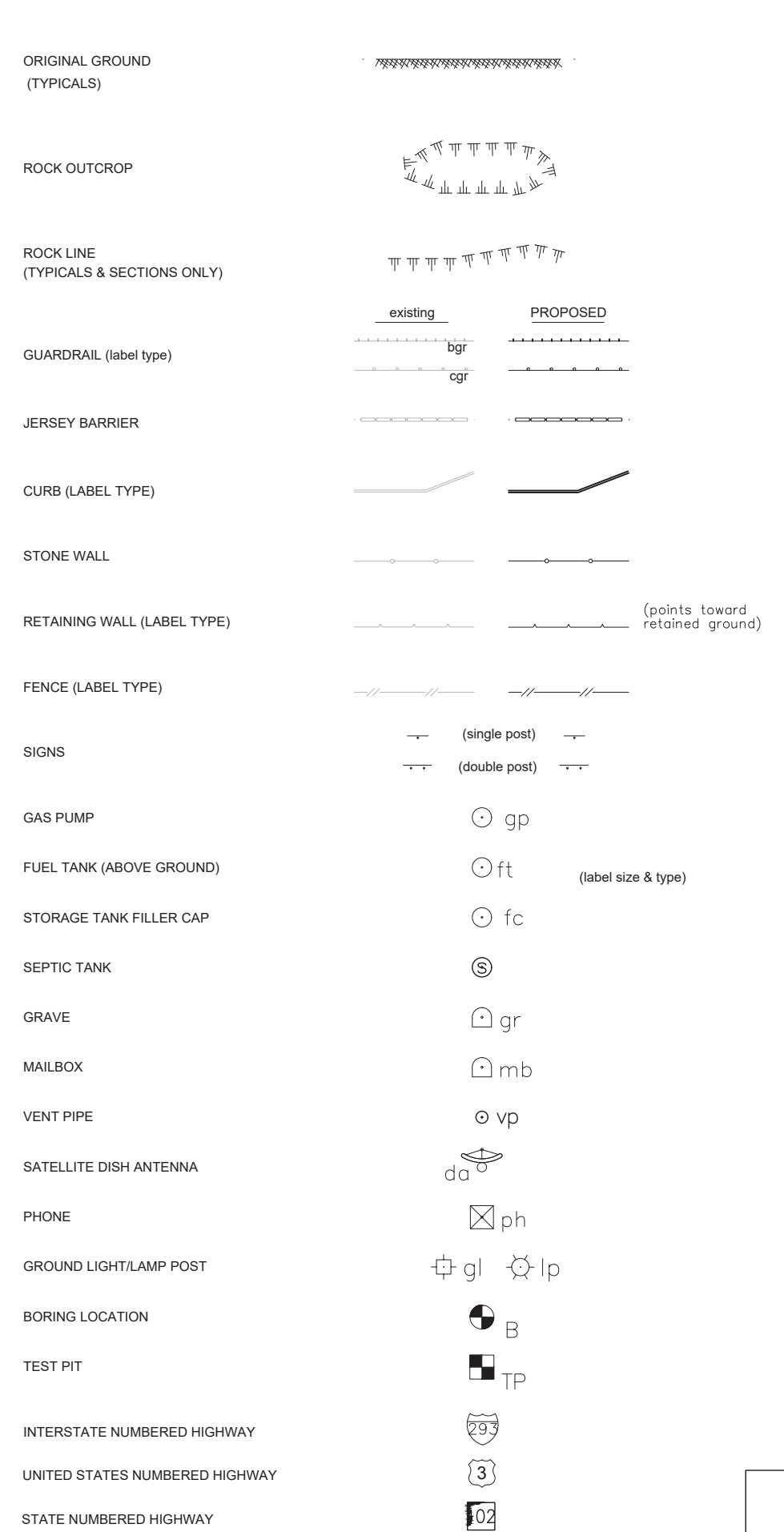
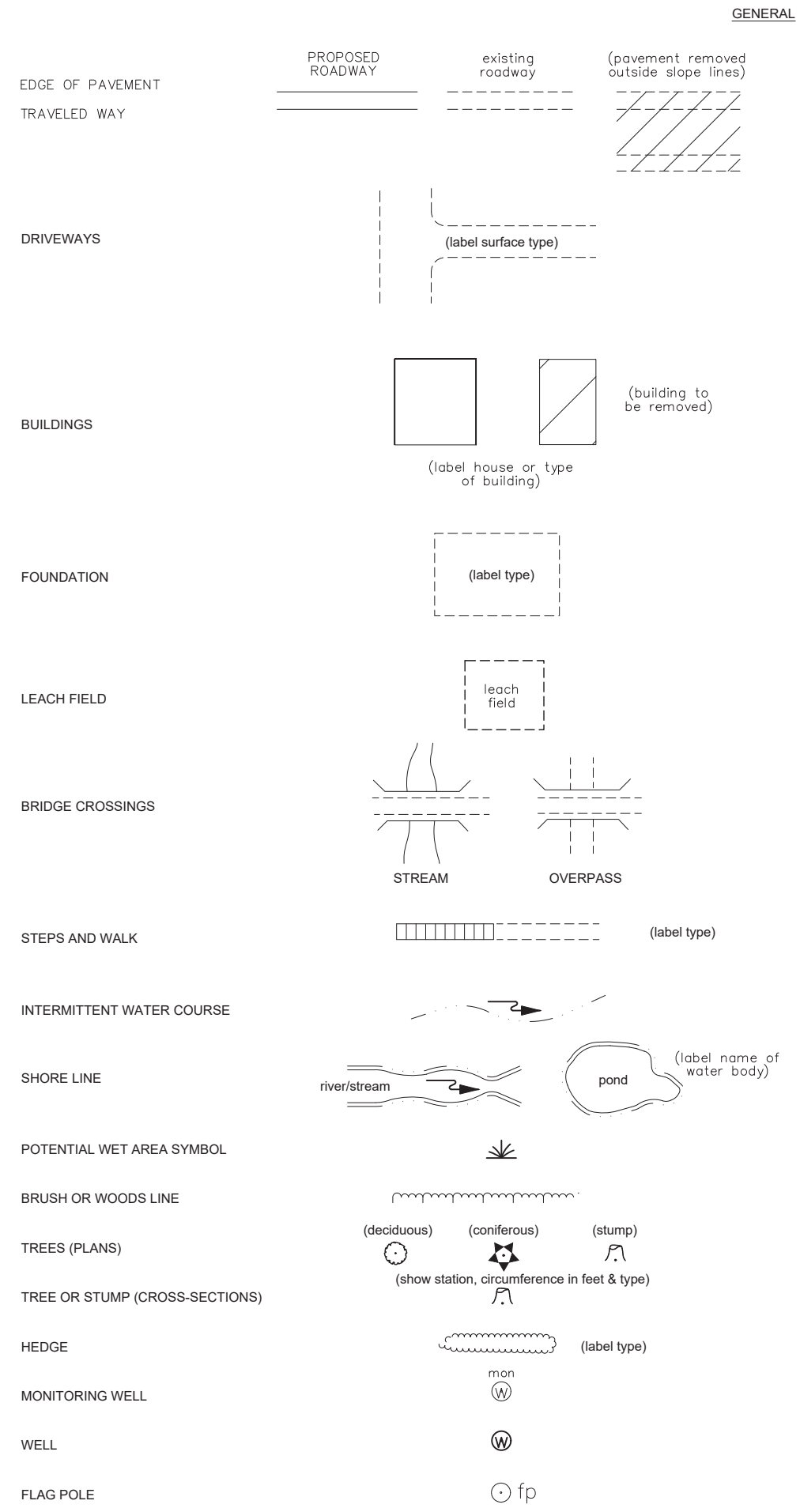
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- | | | | |
|--------------------------|--------------------------|------------|-----------------|
| Limit of Work | Appalachian oak-pine | Grassland | Peatland |
| Developed Impervious | Hemlock-hardwood-pine | Open water | Temperate swamp |
| Developed or Barren land | Wet meadow/shrub wetland | | |

Source: NHGRANIT, VHB, ArcGISOnline

Appendix B: Project Plans

SDR PROCESSED	DATE	DATE	DATE	DATE
	NEW DESIGN	DATE	DATE	DATE
	SHEET CHECKED	DATE	DATE	DATE
	AS BUILT DETAILS	DATE	DATE	DATE
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	NUMBER	STATION	DATE	DATE
	STATION	DATE	DATE	DATE
	DATE	DATE	DATE	DATE



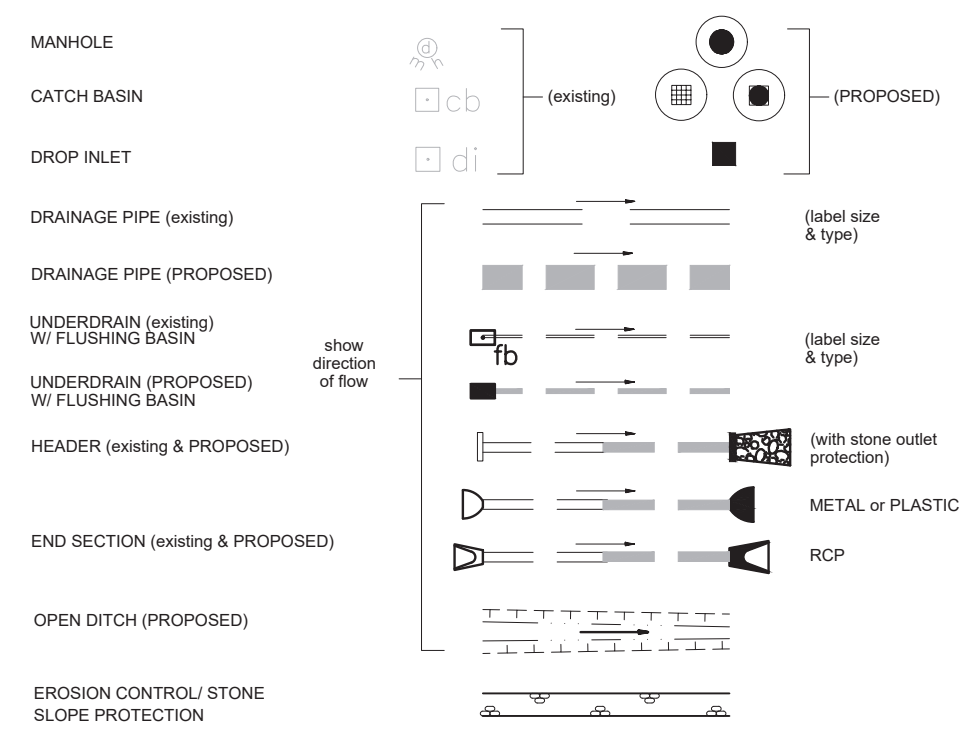
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		TOWN OF EXETER, NEW HAMPSHIRE			
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SDR PROCESSED DATE NEW DESIGN DATE SHEET CHECKED DATE AS BUILT DETAILS

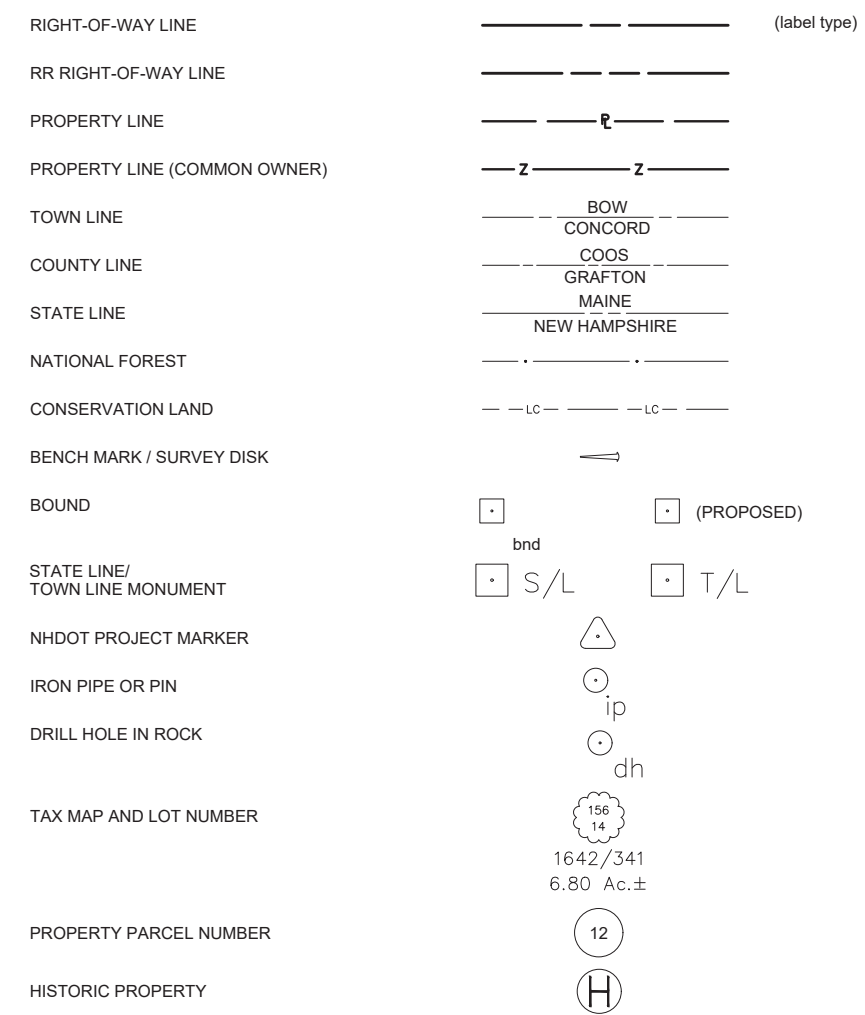
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STATION	DATE	NUMBER

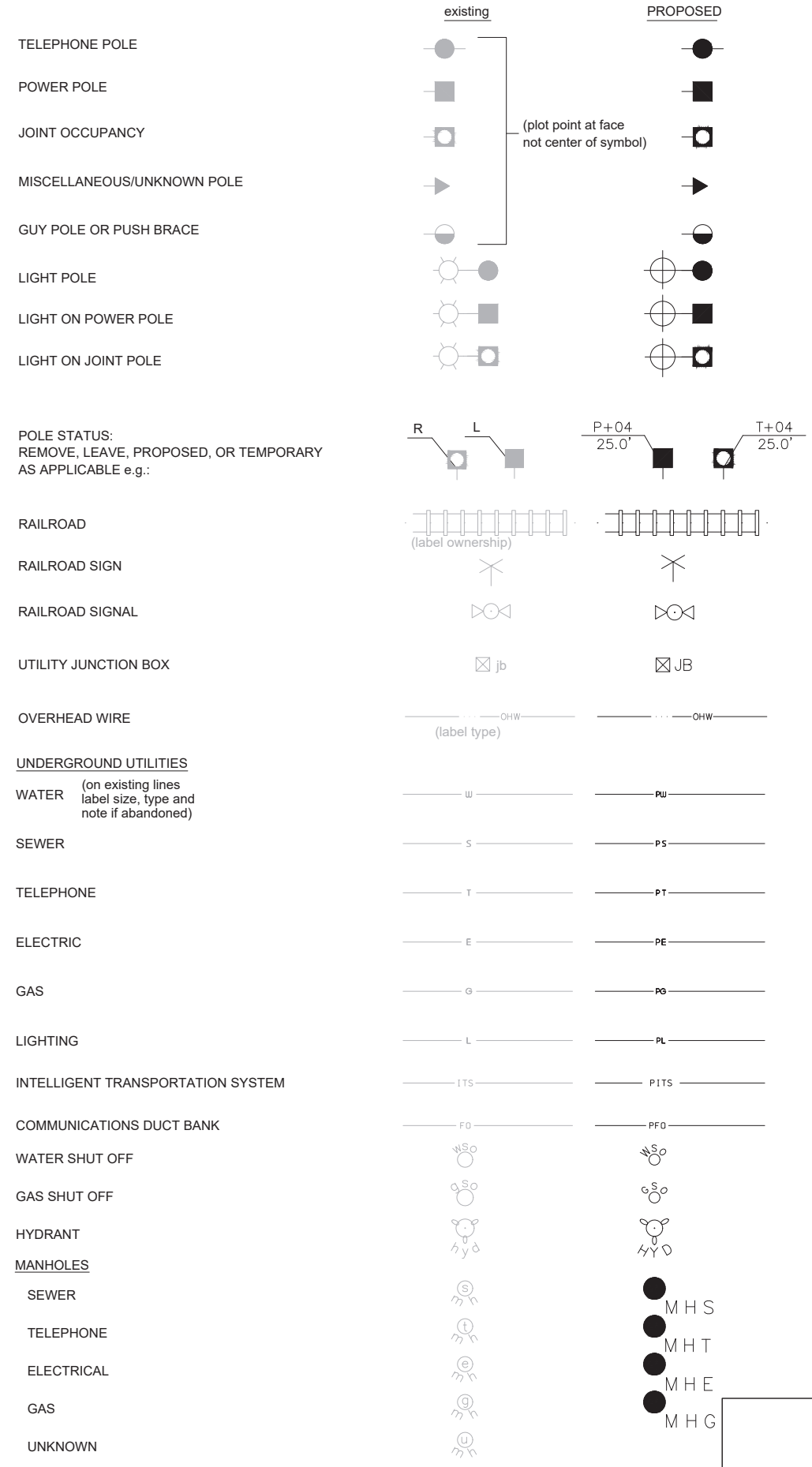
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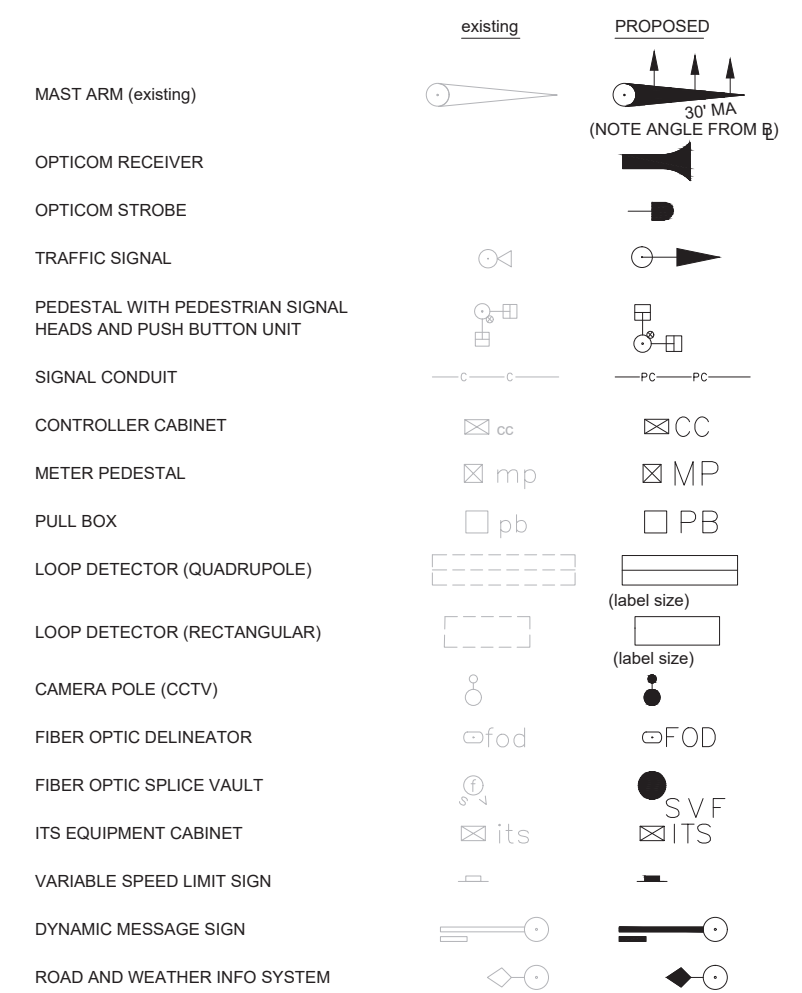
BOUNDARIES / RIGHT-OF-WAY



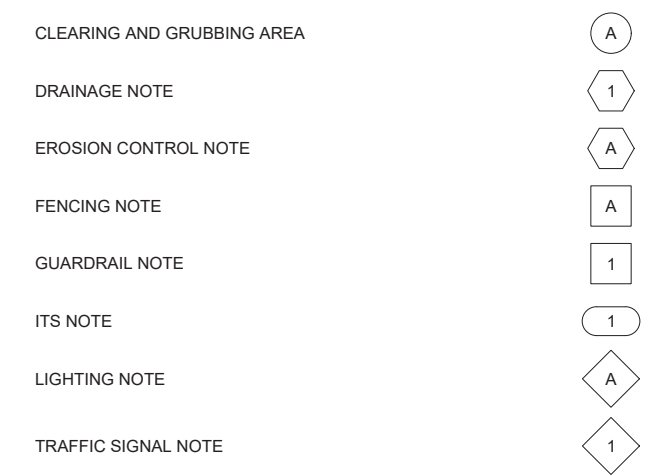
UTILITIES



TRAFFIC SIGNALS / ITS



CONSTRUCTION NOTES



LEGEND

		<p>DATE PLOTTED: 5/19/2023</p> <p>VHB PROJECT NO.: 52776.00</p> <p>DRAWING: 52776_LEG.dwg</p> <p>STATE PROJECT NO.: X</p> <p>SHEET NO.: 3</p> <p>TOTAL SHEETS: 15</p>			
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STATION

STATION

DATE

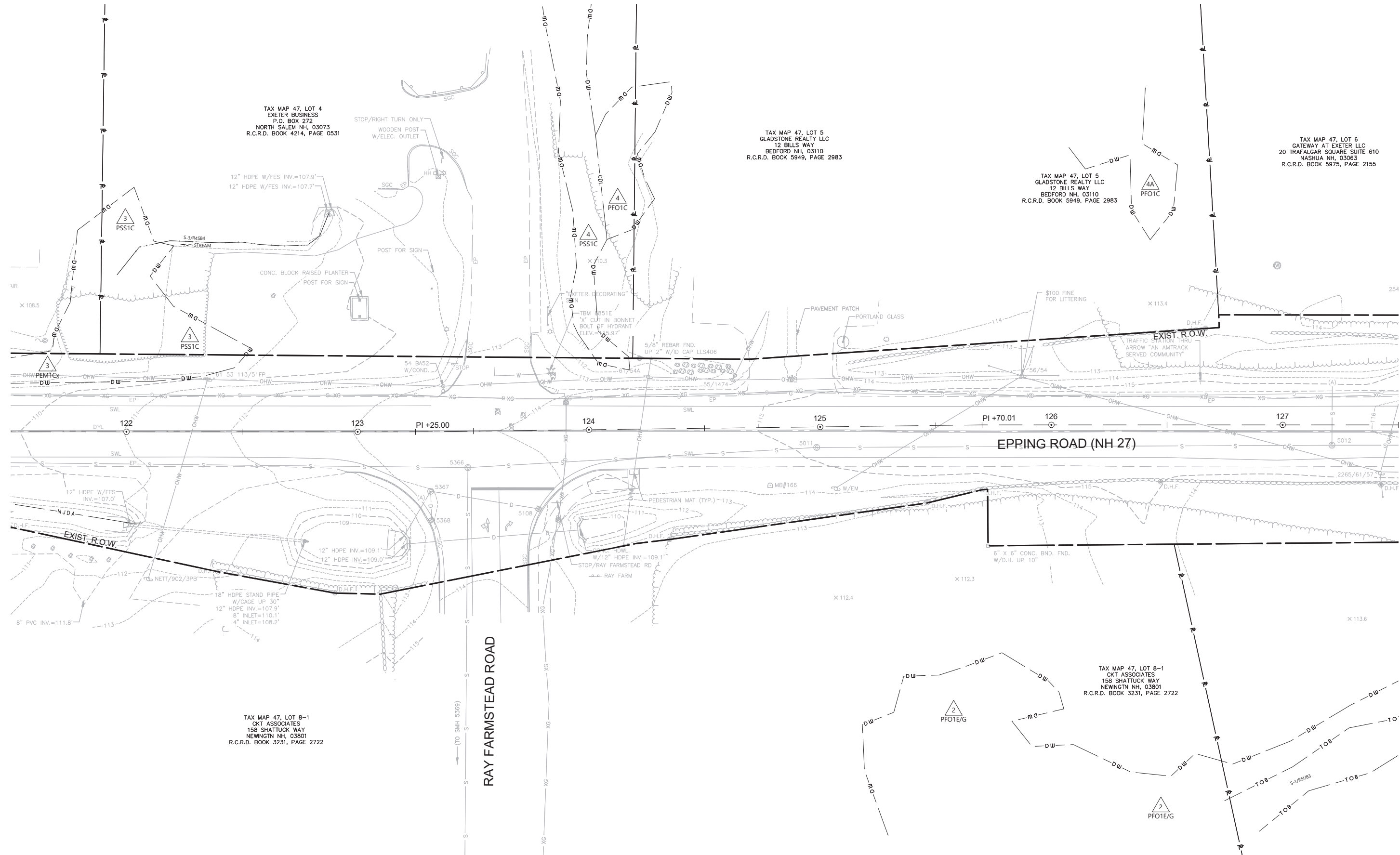
NUMBER

DATE

DATE

DATE

SDR PROCESSED
NEW DESIGN
SHEET CHECKED
AS BUILT DETAILS



TAX MAP 47, LOT 4
EXETER BUSINESS
P.O. BOX 272
NORTH SALEM NH, 03073
R.C.R.D. BOOK 4214, PAGE 0531

TAX MAP 47, LOT 5
GLADSTONE REALTY LLC
12 BILLS WAY
BEDFORD NH, 03110
R.C.R.D. BOOK 5949, PAGE 2983

TAX MAP 47, LOT 5
GLADSTONE REALTY LLC
12 BILLS WAY
BEDFORD NH, 03110
R.C.R.D. BOOK 5949, PAGE 2983

TAX MAP 47, LOT 6
GATEWAY AT EXETER LLC
20 TRAFALGAR SQUARE SUITE 610
NASHUA NH, 03063
R.C.R.D. BOOK 5975, PAGE 2155

TAX MAP 47, LOT 8-1
CKT ASSOCIATES
158 SHATTUCK WAY
NEWINGTON NH, 03801
R.C.R.D. BOOK 3231, PAGE 2722

TAX MAP 47, LOT 8-1
CKT ASSOCIATES
158 SHATTUCK WAY
NEWINGTON NH, 03801
R.C.R.D. BOOK 3231, PAGE 2722

RAY FARMSTEAD ROAD

EPPING ROAD (NH 27)



EPPING ROAD (NH 27) TRANSPORTATION IMPROVEMENTS
TOWN OF EXETER, NEW HAMPSHIRE

EXISTING CONDITIONS

		DATE PLOTTED	VHB PROJECT NO.	DRAWING	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
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TAX MAP 47, LOT 7
 GATEWAY AT EXETER LLC
 20 TRAFALGAR SQUARE SUITE 610
 NASHUA NH, 03063
 R.C.R.D. BOOK 5975, PAGE 2155

TAX MAP 47, LOT 7
 GATEWAY AT EXETER LLC
 20 TRAFALGAR SQUARE SUITE 610
 NASHUA NH, 03063
 R.C.R.D. BOOK 5975, PAGE 2155

TAX MAP 47, LOT 8
 RAY FARM LLC (CONDO)
 15B SHATTUCK WAY
 NEWINGTON NH, 03801
 R.C.R.D. BOOK 5912, PAGE 132

TAX MAP 40, LOT 11
 NET LEASE REALTY INC
 450 S ORANGE AVE SUITE 900
 ORLANDO FL, 32801
 R.C.R.D. BOOK 5731, PAGE 1874

TAX MAP 40, LOT 11
 NET LEASE REALTY INC
 450 S ORANGE AVE SUITE 900
 ORLANDO FL, 32801
 R.C.R.D. BOOK 5731, PAGE 1874

DESCRIPTION

REVISIONS AFTER PROPOSAL

STATION

STATION

DATE

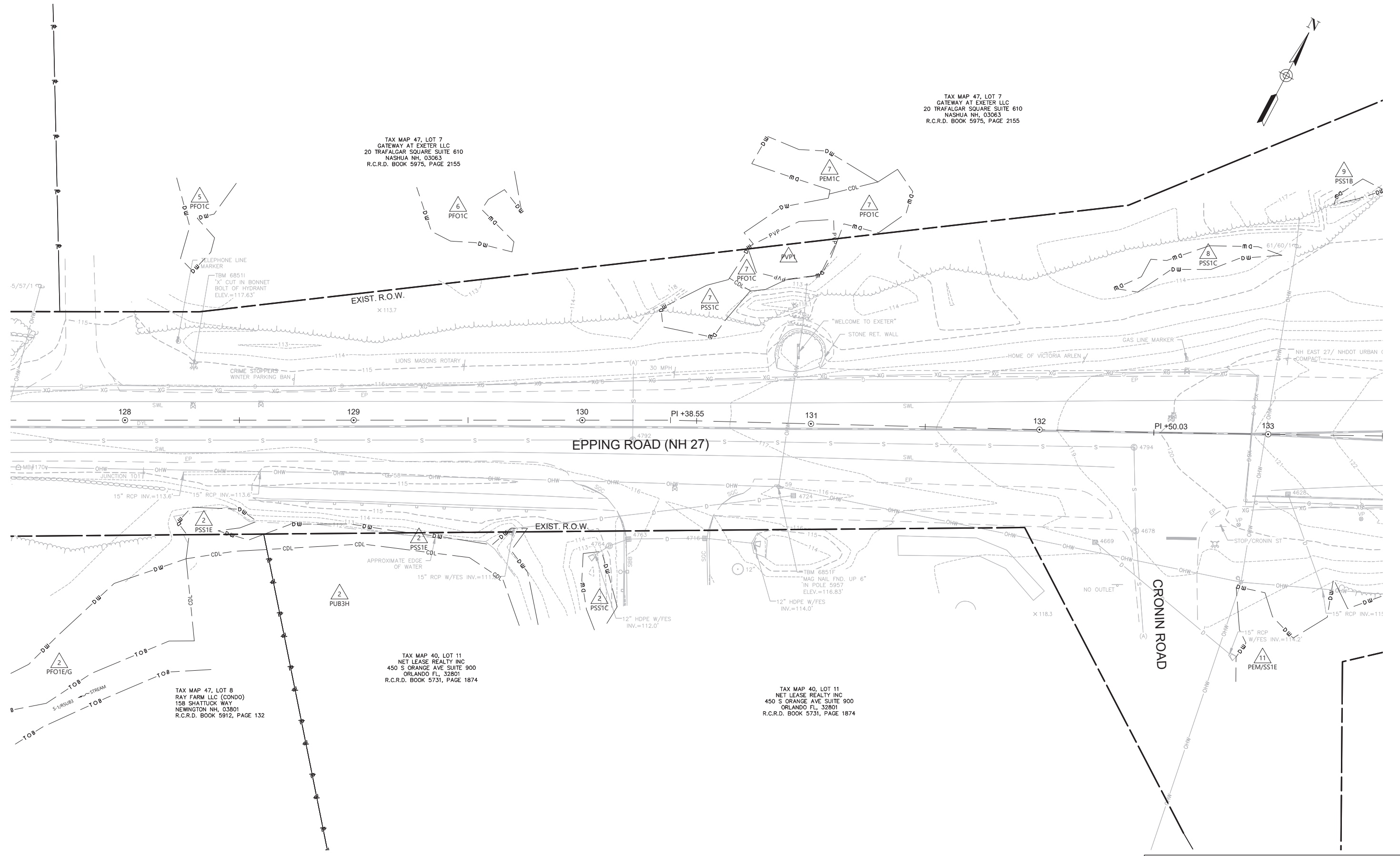
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DATE

DATE

DATE

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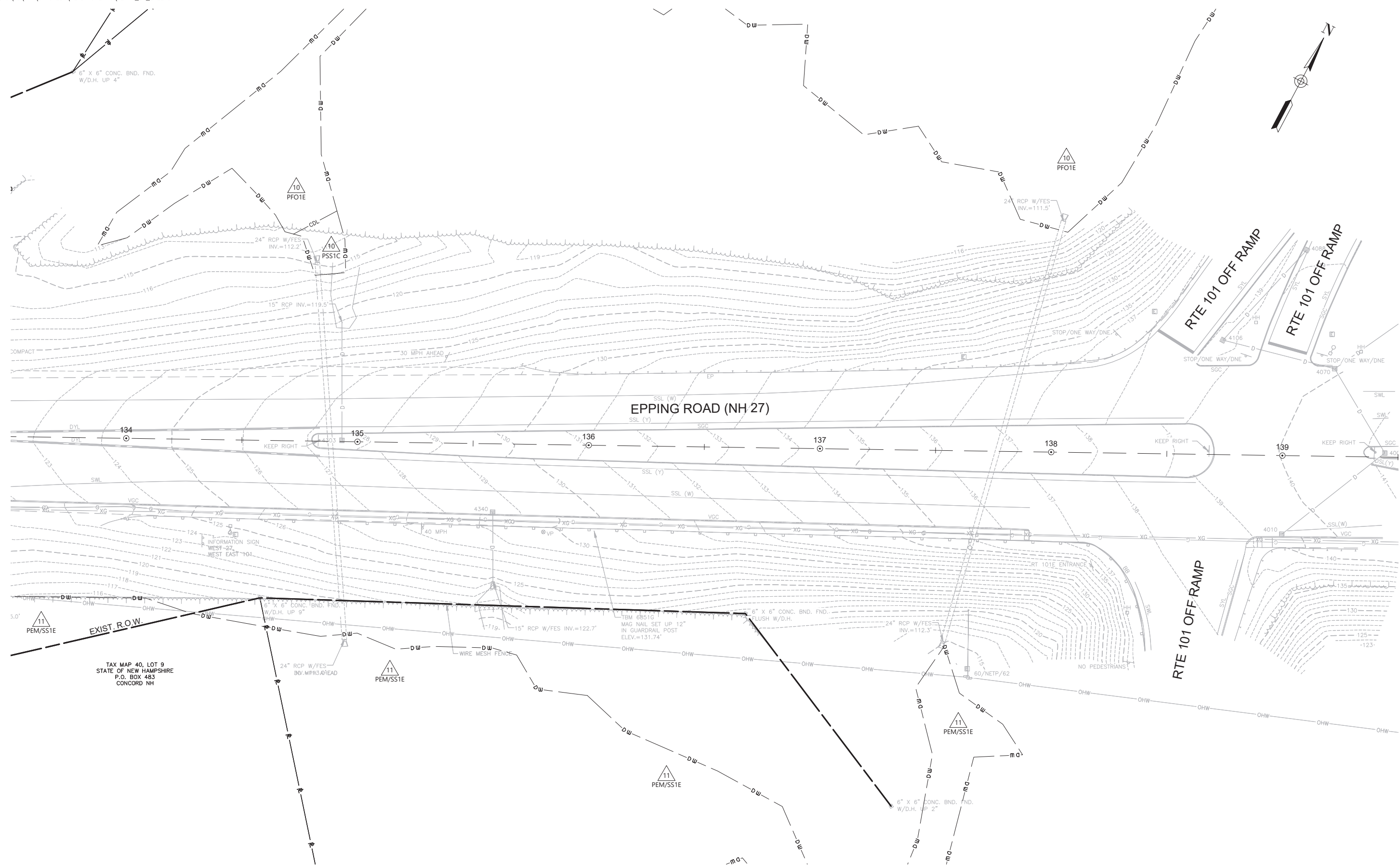
EPPING ROAD (NH 27) TRANSPORTATION IMPROVEMENTS
 TOWN OF EXETER, NEW HAMPSHIRE

EXISTING CONDITIONS



		EPPING ROAD (NH 27) TRANSPORTATION IMPROVEMENTS TOWN OF EXETER, NEW HAMPSHIRE			
		EXISTING CONDITIONS			
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19-May-23	52776.00	52776_EX_Sheets	-	6	15

REVISIONS AFTER PROPOSAL	DESCRIPTION	
	STATION	
	STATION	
	DATE	
NUMBER		
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DATE		
DATE		



EPPING ROAD (NH 27) TRANSPORTATION IMPROVEMENTS
 TOWN OF EXETER, NEW HAMPSHIRE

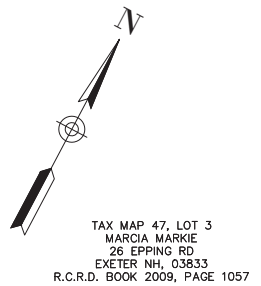
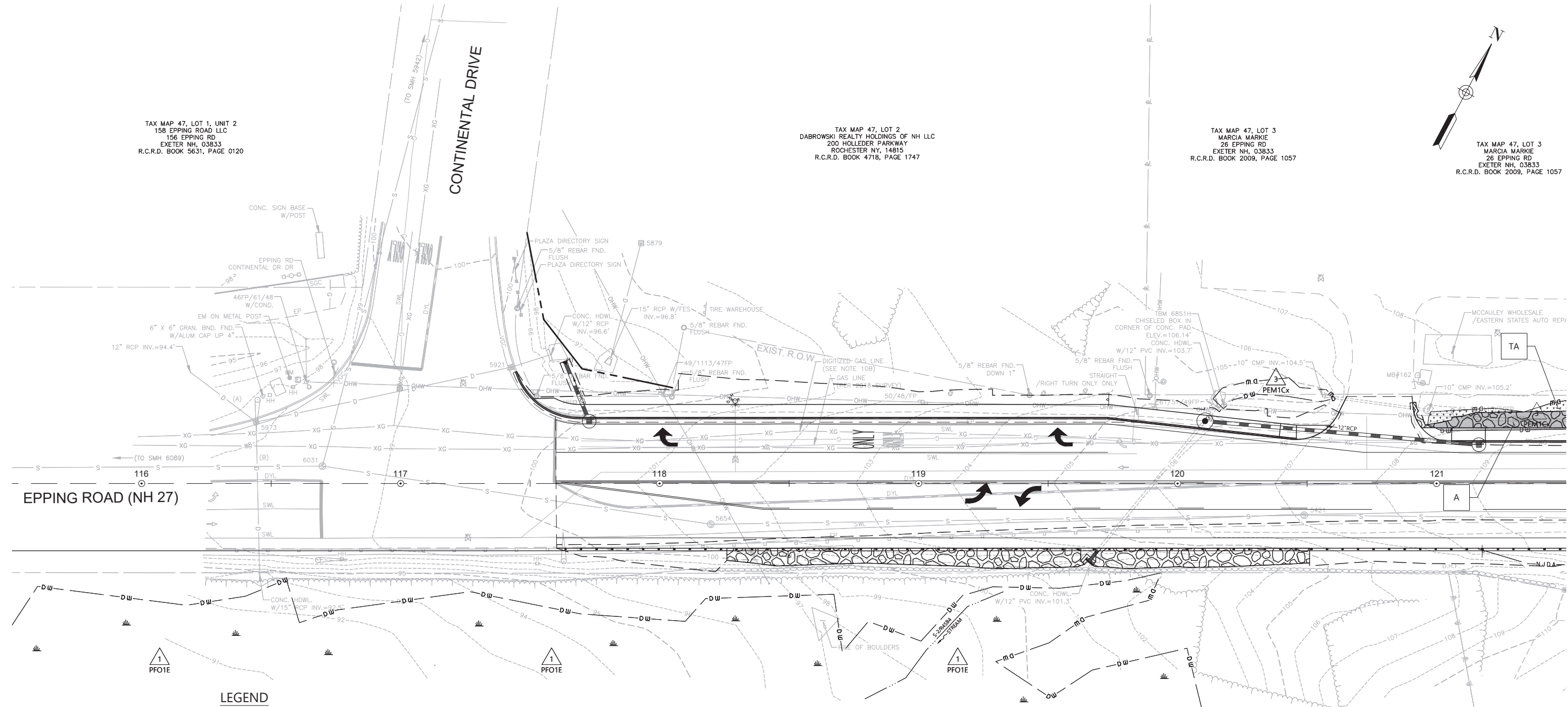
EXISTING CONDITIONS



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SDR PROCESSED	DATE	DATE	DATE	DATE
NEW DESIGN				
SHEET CHECKED				
AS BUILT DETAILS				

REVISIONS AFTER PROPOSAL	STATION	STATION	DATE	NUMBER



TAX MAP 47, LOT 1, UNIT 2
158 EPPING ROAD, LLC
156 EPPING RD
EXETER NH, 03833
R.C.R.D. BOOK 5631, PAGE 0120

TAX MAP 47, LOT 2
DABROWSKI REALTY HOLDINGS OF NH LLC
200 HOLLEDER PARKWAY
ROCHESTER NY, 14815
R.C.R.D. BOOK 4718, PAGE 1747

TAX MAP 47, LOT 3
MARCIA MARKIE
26 EPPING RD
EXETER NH, 03833
R.C.R.D. BOOK 2009, PAGE 1057

TAX MAP 47, LOT 3
MARCIA MARKIE
26 EPPING RD
EXETER NH, 03833
R.C.R.D. BOOK 2009, PAGE 1057

TAX MAP 47, LOT 9
CKT ASSOCIATES
158 SHATTUCK WAY
NEWINGTON NH, 03801
R.C.R.D. BOOK 3231, PAGE 2722

LEGEND

TYPE OF WETLAND IMPACT	SHADING/HATCHING
PERMANENT WETLAND IMPACT	
TEMPORARY WETLAND IMPACT	

- WETLAND DESIGNATION NUMBER
- WETLAND IMPACT LOCATION

WETLAND IMPACT SUMMARY				
IMPACT IDENTIFICATION	WETLAND CLASSIFICATION	WETLAND DESIGNATION	PERMANENT WETLAND IMPACTS	TEMPORARY WETLAND IMPACTS
			SF	SF
A	PEM1Cx	3	843	
B	PSS1C	4	11	
C	PSS1E	2	14	
TA	PEM1Cx	3		606
TB	PSS1C	4		70
TC	PSS1E	2		122
TOTAL			868	798

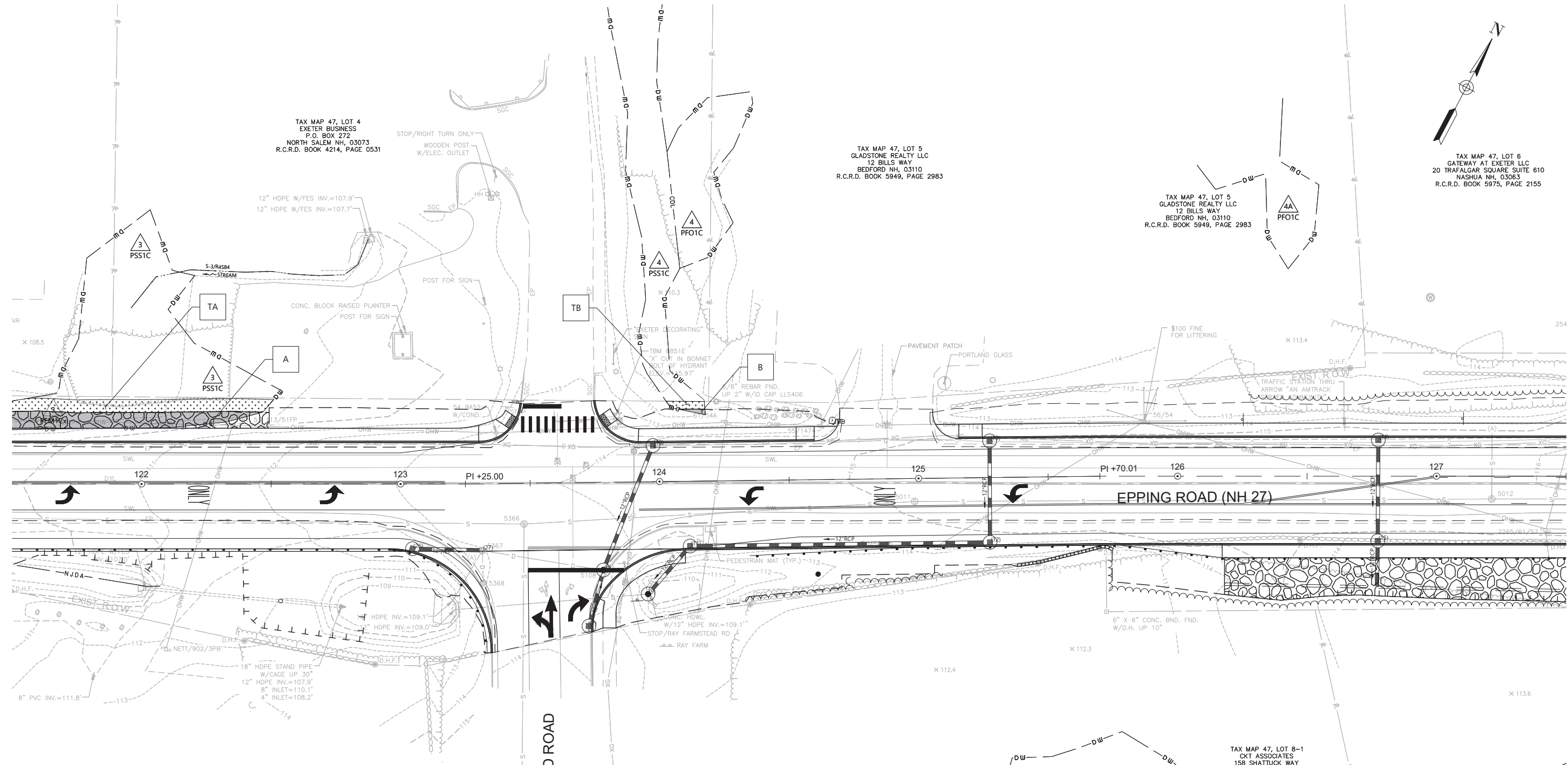


DATE PLOTTED	VHB PROJECT NO.	DRAWING	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
5/19/2023	52776.00	52776_Wet_Plans.dwg	X	8	15

EPPING ROAD IMPROVEMENT PROJECT
TOWN OF EXETER, NEW HAMPSHIRE

WETLAND IMPACT PLANS

REVISIONS AFTER PROPOSAL	STATION	DESCRIPTION
SDR PROCESSED	DATE	DATE
	NEW DESIGN	DATE
	SHEET CHECKED	DATE
AS BUILT DETAILS	DATE	



TAX MAP 47, LOT 4
EXETER BUSINESS
P.O. BOX 272
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R.C.R.D. BOOK 4214, PAGE 0531

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R.C.R.D. BOOK 5949, PAGE 2983

TAX MAP 47, LOT 6
GATEWAY AT EXETER LLC
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NASHUA NH, 03063
R.C.R.D. BOOK 5975, PAGE 2155

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CKT ASSOCIATES
158 SHATTUCK WAY
NEWINGTON NH, 03801
R.C.R.D. BOOK 3231, PAGE 2722

WETLAND IMPACT SUMMARY

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B	PSS1C	4	11	
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TA	PEM1Cx	3		606
TB	PSS1C	4		70
TC	PSS1E	2		122
TOTAL			868	798

LEGEND

- # WETLAND DESIGNATION NUMBER
- # WETLAND IMPACT LOCATION

TYPE OF WETLAND IMPACT	SHADING/HATCHING
PERMANENT WETLAND IMPACT	
TEMPORARY WETLAND IMPACT	

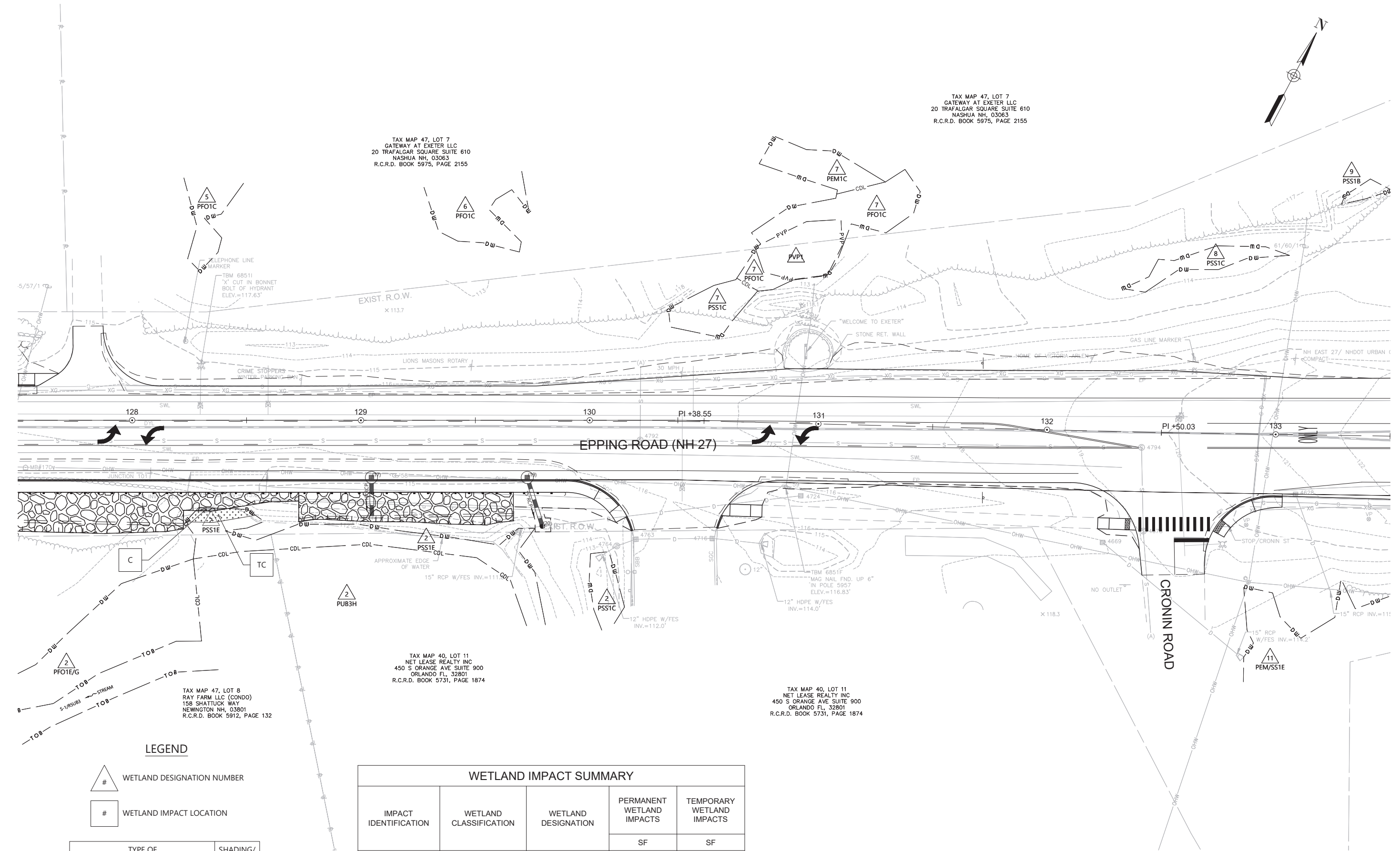


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EPPING ROAD IMPROVEMENT PROJECT
TOWN OF EXETER, NEW HAMPSHIRE

WETLAND IMPACT PLANS

SDR PROCESSED	DATE	REVISIONS AFTER PROPOSAL
NEW DESIGN	DATE	STATION
SHEET CHECKED	DATE	STATION
AS BUILT DETAILS	DATE	DATE
	NUMBER	DATE



TAX MAP 47, LOT 7
 GATEWAY AT EXETER LLC
 20 TRAFALGAR SQUARE SUITE 610
 NASHUA NH, 03063
 R.C.R.D. BOOK 5975, PAGE 2155

TAX MAP 47, LOT 7
 GATEWAY AT EXETER LLC
 20 TRAFALGAR SQUARE SUITE 610
 NASHUA NH, 03063
 R.C.R.D. BOOK 5975, PAGE 2155

TAX MAP 47, LOT 8
 RAY FARM LLC (CONDO)
 158 SHATTUCK WAY
 NEWINGTON NH, 03801
 R.C.R.D. BOOK 5912, PAGE 132

TAX MAP 40, LOT 11
 NET LEASE REALTY INC
 450 S ORANGE AVE SUITE 900
 ORLANDO FL, 32801
 R.C.R.D. BOOK 5731, PAGE 1874

TAX MAP 40, LOT 11
 NET LEASE REALTY INC
 450 S ORANGE AVE SUITE 900
 ORLANDO FL, 32801
 R.C.R.D. BOOK 5731, PAGE 1874

LEGEND

WETLAND DESIGNATION NUMBER
 # WETLAND IMPACT LOCATION

TYPE OF WETLAND IMPACT	SHADING/HATCHING
PERMANENT WETLAND IMPACT	
TEMPORARY WETLAND IMPACT	

IMPACT IDENTIFICATION	WETLAND CLASSIFICATION	WETLAND DESIGNATION	PERMANENT WETLAND IMPACTS	TEMPORARY WETLAND IMPACTS
			SF	SF
A	PEM1Cx	3	843	
B	PSS1C	4	11	
C	PSS1E	2	14	
TA	PEM1Cx	3		606
TB	PSS1C	4		70
TC	PSS1E	2		122
TOTAL			868	798



DATE PLOTTED
5/19/2023

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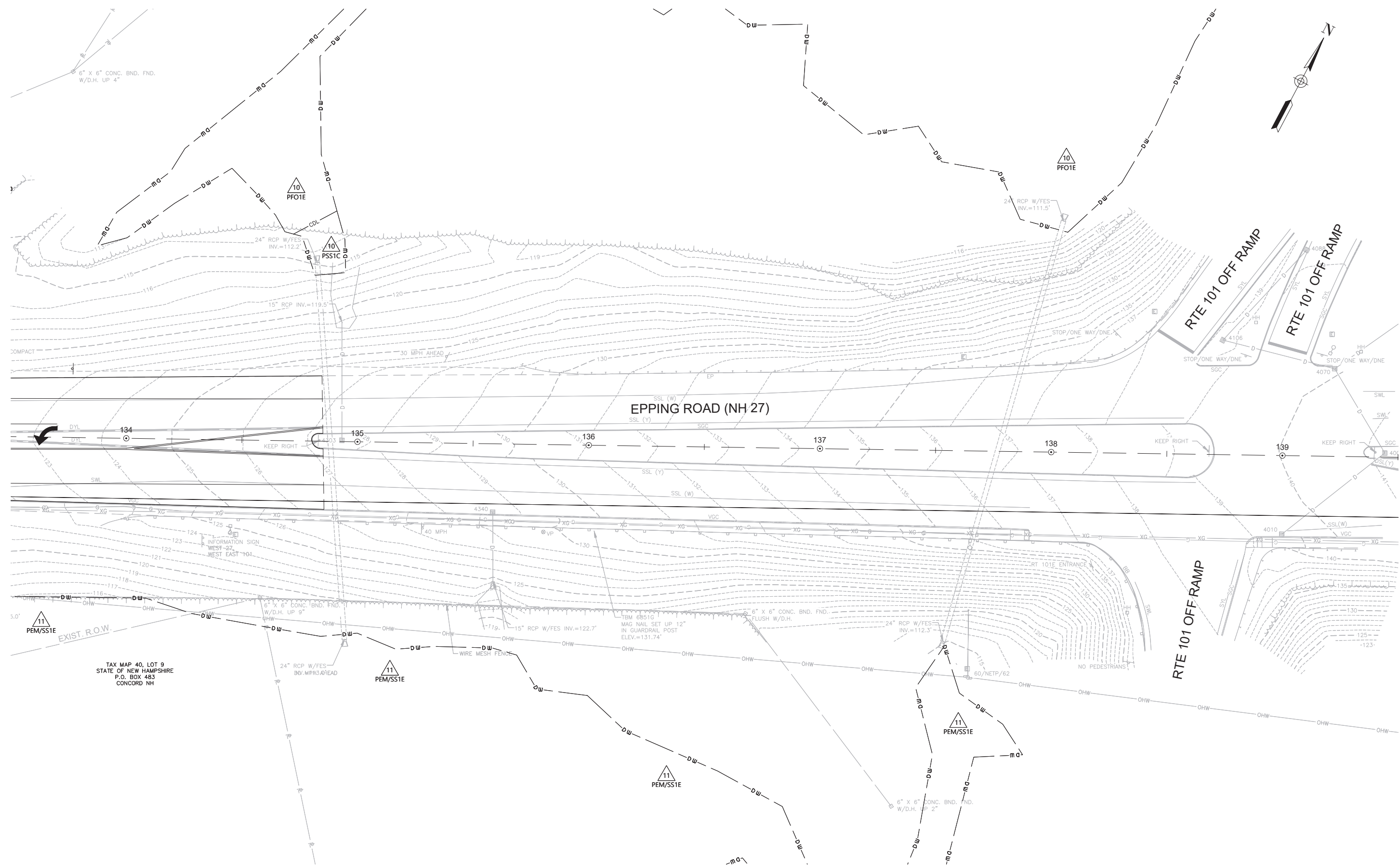
SHEET NO.
10

TOTAL SHEETS
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EPPING ROAD IMPROVEMENT PROJECT
 TOWN OF EXETER, NEW HAMPSHIRE

WETLAND IMPACT PLANS

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SHEET CHECKED				
AS BUILT DETAILS				
NUMBER	DATE	STATION	STATION	DESCRIPTION

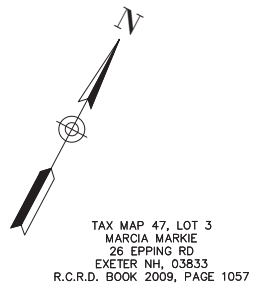


EPPING ROAD IMPROVEMENT PROJECT
TOWN OF EXETER, NEW HAMPSHIRE

WETLAND IMPACT PLANS



DATE PLOTTED	VHB PROJECT NO.	DRAWING	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
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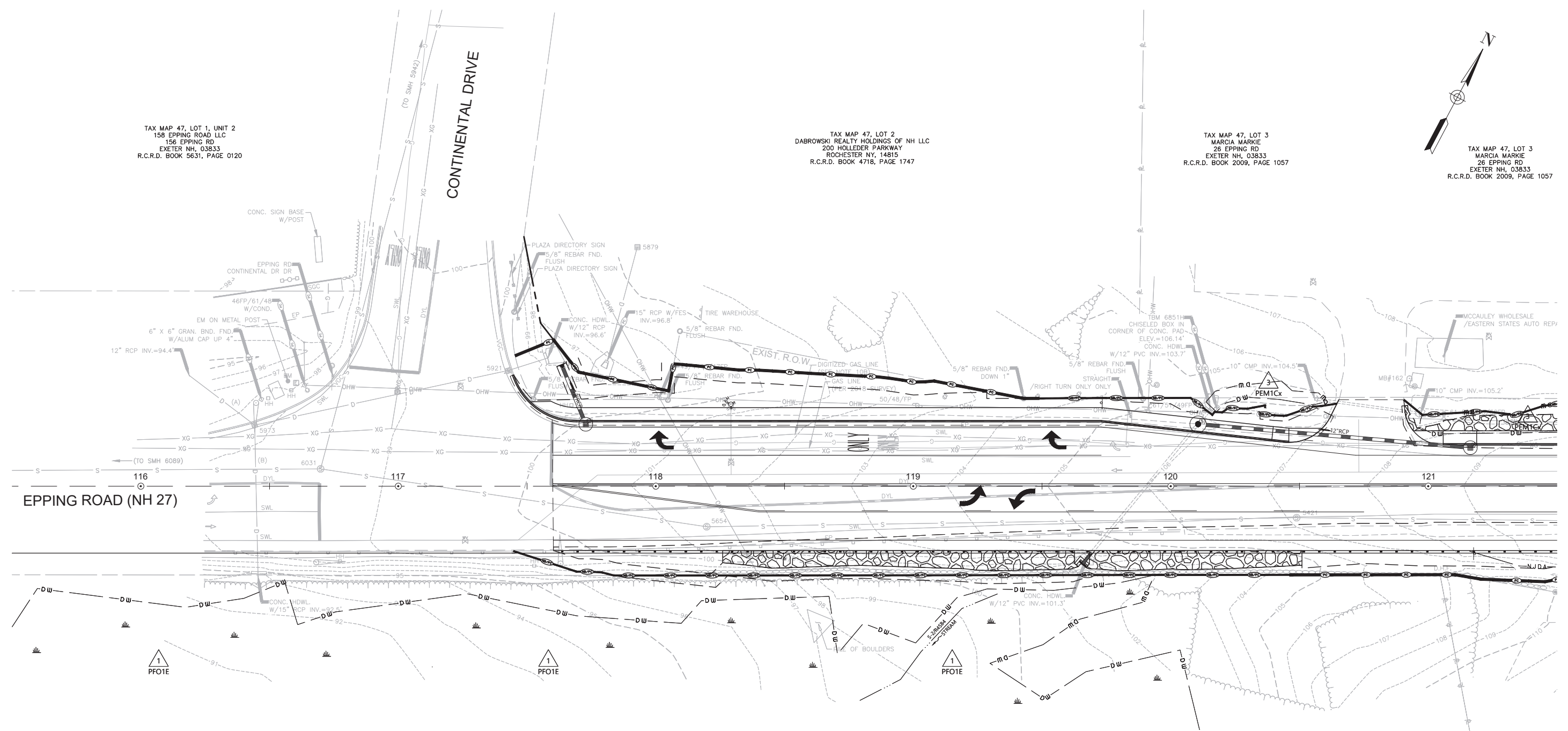
TAX MAP 47, LOT 1, UNIT 2
158 EPPING ROAD LLC
156 EPPING RD
EXETER NH, 03833
R.C.R.D. BOOK 5631, PAGE 0120

TAX MAP 47, LOT 2
DABROWSKI REALTY HOLDINGS OF NH LLC
200 HOLLEDER PARKWAY
ROCHESTER NY, 14815
R.C.R.D. BOOK 4718, PAGE 1747

TAX MAP 47, LOT 3
MARCIA MARKIE
26 EPPING RD
EXETER NH, 03833
R.C.R.D. BOOK 2009, PAGE 1057

TAX MAP 47, LOT 3
MARCIA MARKIE
26 EPPING RD
EXETER NH, 03833
R.C.R.D. BOOK 2009, PAGE 1057

SDR PROCESSED	DATE	DATE	DATE	DATE
	NEW DESIGN	CHECKED	AS BUILT DETAILS	
REVISIONS AFTER PROPOSAL	STATION	STATION	DATE	NUMBER
	DESCRIPTION			



TAX MAP 47, LOT 9
CKT ASSOCIATES
158 SHATTUCK WAY
NEWINGTON NH, 03801
R.C.R.D. BOOK 3231, PAGE 2722

EROSION CONTROL PLAN LEGEND	
	PERIMETER CONTROL SILT FENCE EROSION CONTROL MIX BERM EROSION CONTROL MIX SOX TURBIDITY CURTAIN SHEET PILE COFFER DAM
	NATURAL BUFFER/PERIMETER CONTROL SILT FENCE EROSION CONTROL MIX BERM EROSION CONTROL MIX SOX TURBIDITY CURTAIN SHEET PILE COFFER DAM
	CHANNEL PROTECTION STONE CHECK DAMS STRAW WATTLES CHANNEL MATTING CLASS D EROSION STONE CLASS C STONE
	CLEAN WATER BYPASS PUMP THROUGH PIPE DRAIN THROUGH PIPE OR CHANNEL

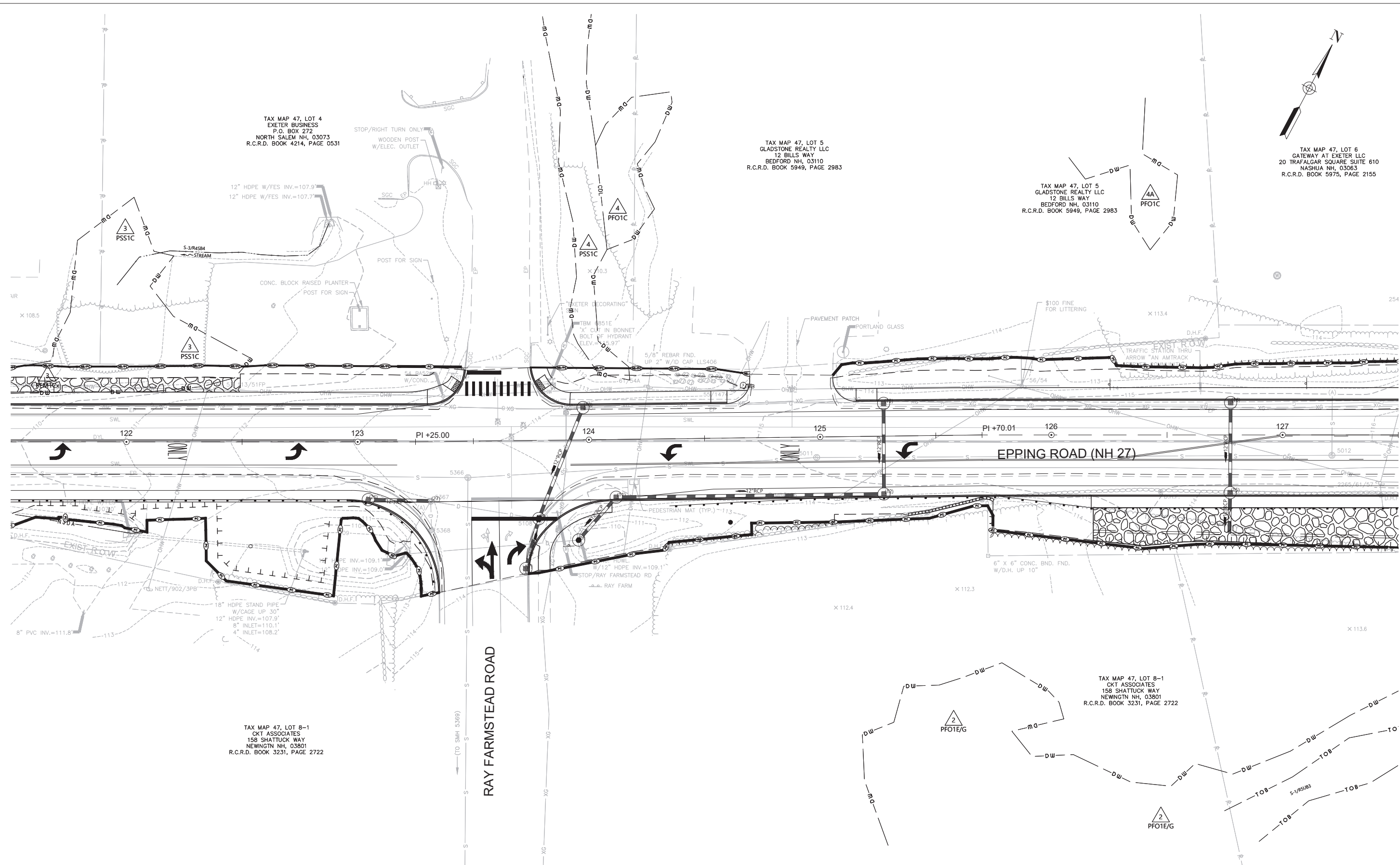


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TOWN OF EXETER, NEW HAMPSHIRE

EROSION CONTROL PLANS

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SHEET CHECKED	DATE	
	AS BUILT DETAILS	
REVISIONS AFTER PROPOSAL	STATION	DESCRIPTION
	STATION	DESCRIPTION
NUMBER	DATE	



TAX MAP 47, LOT 4
EXETER BUSINESS
P.O. BOX 272
NORTH SALEM NH, 03073
R.C.R.D. BOOK 4214, PAGE 0531

TAX MAP 47, LOT 5
GLADSTONE REALTY LLC
12 BILLS WAY
BEDFORD NH, 03110
R.C.R.D. BOOK 5949, PAGE 2983

TAX MAP 47, LOT 5
GLADSTONE REALTY LLC
12 BILLS WAY
BEDFORD NH, 03110
R.C.R.D. BOOK 5949, PAGE 2983

TAX MAP 47, LOT 6
GATEWAY AT EXETER LLC
20 TRAFALGAR SQUARE SUITE 610
NASHUA NH, 03063
R.C.R.D. BOOK 5975, PAGE 2155

TAX MAP 47, LOT 8-1
CKT ASSOCIATES
158 SHATTUCK WAY
NEWINGTON NH, 03801
R.C.R.D. BOOK 3231, PAGE 2722

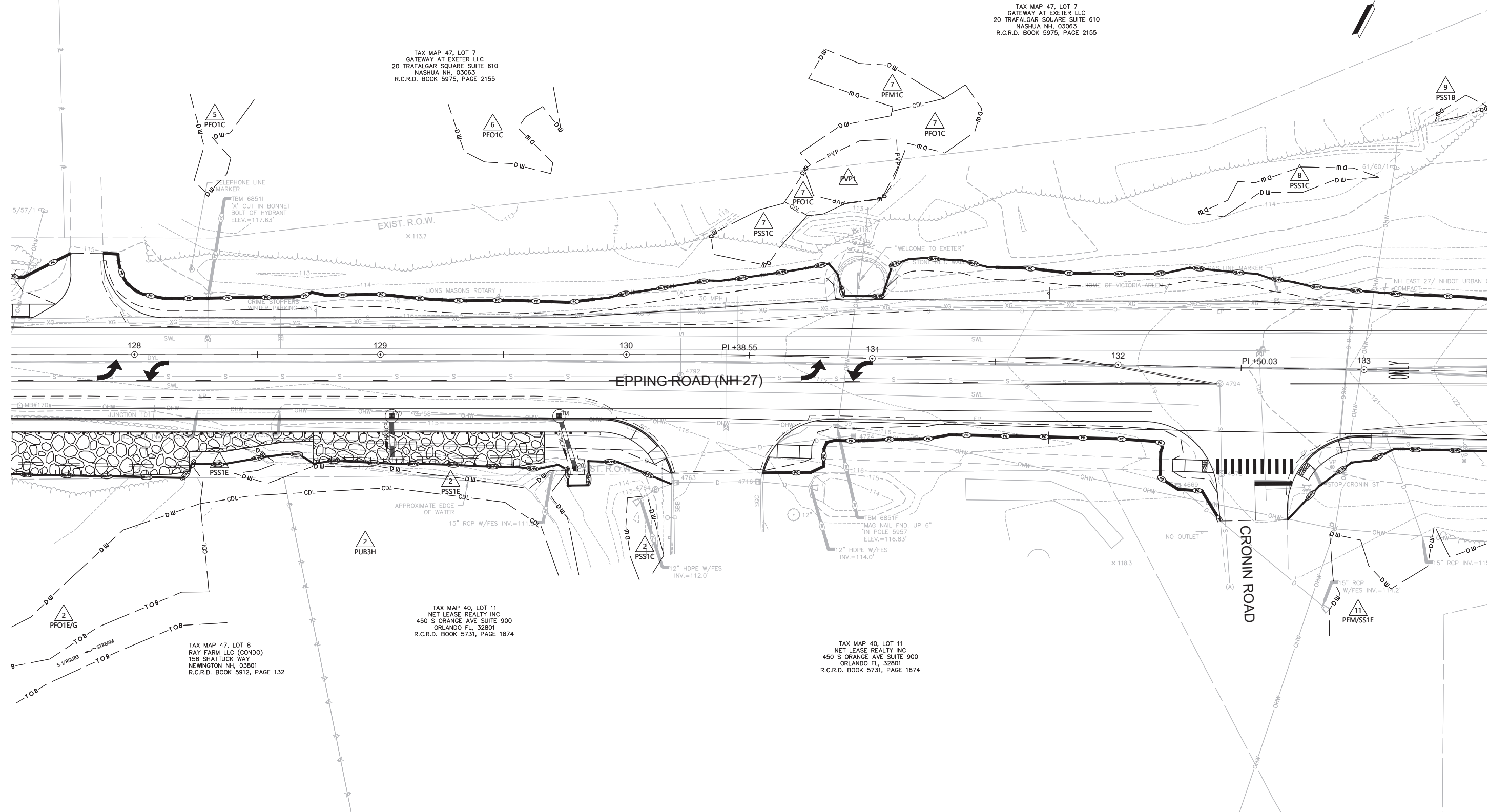
EPPING ROAD IMPROVEMENT PROJECT
TOWN OF EXETER, NEW HAMPSHIRE

EROSION CONTROL PLANS



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DESCRIPTION	DATE	
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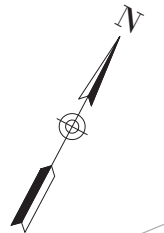
TAX MAP 47, LOT 7
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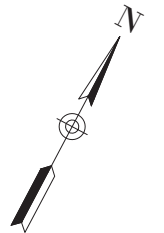
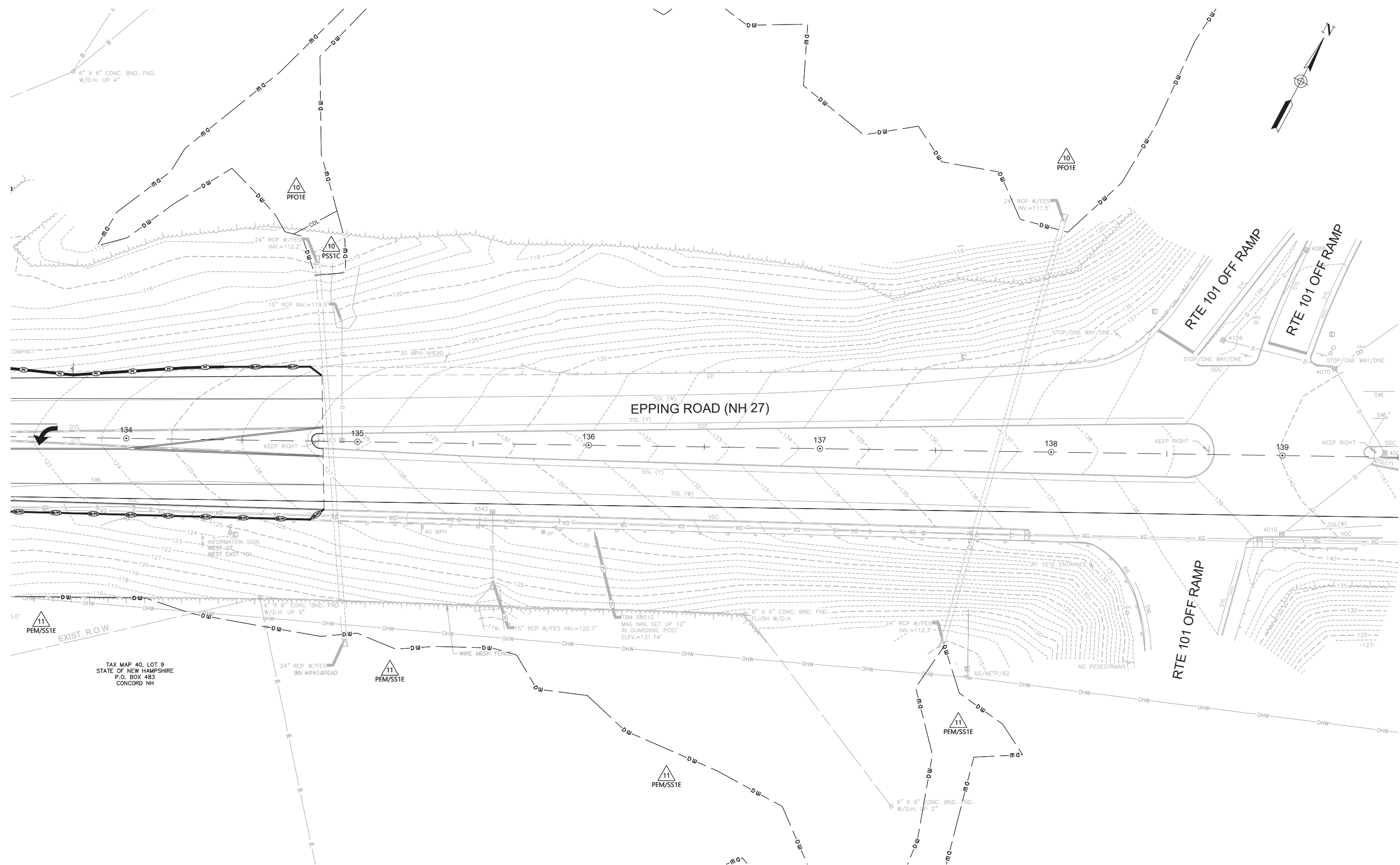


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EPPING ROAD IMPROVEMENT PROJECT
 TOWN OF EXETER, NEW HAMPSHIRE

EROSION CONTROL PLANS

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REVISIONS AFTER PROPOSAL	NUMBER	
	DATE	
STATION	STATION	
	DESCRIPTION	



DATE PLOTTED
5/19/2023

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52776.00

DRAWING
52776_ERO.dwg

STATE PROJECT NO.
X

SHEET NO.
15

TOTAL SHEETS
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EPPING ROAD IMPROVEMENT PROJECT
TOWN OF EXETER, NEW HAMPSHIRE

EROSION CONTROL PLANS

Appendix C: Site Photographs

Representative Site Photographs – June 2021
Epping Road Improvement Project – Exeter, NH



Photo 1: View southeast at existing 12" PVC drainage pipe and culvert headwall located at the toe of the existing road slope adjacent to Wetland W-1.



Photo 2: View north along the northwestern forested edge of Wetland W-1 just east (downslope) of the existing headwall depicted in Photo 1.

Representative Site Photographs – June 2021
Epping Road Improvement Project – Exeter, NH



Photo 3: View south at PSS1E finger of Wetland W-2 extending west from PUB3H interior.



Photo 4: View north along the western PSS1E edge of Wetland W-2.

Representative Site Photographs – June 2021
Epping Road Improvement Project – Exeter, NH



Photo 5: View north at the PUB3H interior of Wetland W-2.



Photo 6: View south at the PEM1Cx swale portion of Wetland W-3 to the south of the existing car dealership driveway. Associated 10" CMP pipe is depicted in the photo foreground; associated 12" PVC pipe and concrete headwall is depicted in the photo background.

Representative Site Photographs – June 2021
Epping Road Improvement Project – Exeter, NH



Photo 7: View north at the PEM1Cx swale portion of Wetland W-3 to the south of the existing car dealership driveway. Associated 10" CMP pipe is depicted in the photo background.



Photo 8: View north at the PEM1Cx swale portion of Wetland W-3 to the north of the existing car dealership driveway. Associated 10" CMP pipe is depicted in the photo foreground.

Representative Site Photographs – June 2021
Epping Road Improvement Project – Exeter, NH



Photo 9: View south at the PSS1C eastern edge of Wetland W-3 located at the toe of the existing road slope.



Photo 10: View southwest at the eastern tip of Wetland W-4; PFO/PSS portions of the wetland are depicted in the photo background.

Appendix G: USACE Appendix B Checklist



**US Army Corps
of Engineers**®
New England District

**Appendix B
New Hampshire General Permits
Required Information and USACE Section 404 Checklist**

USACE Section 404 Checklist

1. Attach any explanations to this checklist. Lack of information could delay a USACE permit determination.
2. All references to “work” include all work associated with the project construction and operation. Work includes filling, clearing, flooding, draining, excavation, dozing, stumping, etc.
3. See GC 3 for information on single and complete projects.
4. Contact USACE at (978) 318-8832 with any questions.
5. The information requested below is generally required in the NHDES Wetland Application. See page 61 for NHDES references and Admin Rules as they relate to the information below.

1. Impaired Waters	Yes	No
1.1 Will any work occur within 1 mile upstream in the watershed of an impaired water? See the following to determine if there is an impaired water in the vicinity of your work area. * https://nhdes-surface-water-quality-assessment-site-nhdes.hub.arcgis.com/ https://www.des.nh.gov/water/rivers-and-lakes/water-quality-assessment https://www4.des.state.nh.us/onestopdatamapper/onestopmapper.aspx	X	
2. Wetlands	Yes	No
2.1 Are there are streams, brooks, rivers, ponds, or lakes within 200 feet of any proposed work?	X	
2.2 Are there proposed impacts to tidal SAS, prime wetlands, or priority resource areas? Applicants may obtain information from the NH Department of Resources and Economic Development Natural Heritage Bureau (NHB) DataCheck Tool for information about resources located on the property at https://www4.des.state.nh.us/NHB-DataCheck/ .		X
2.3 If wetland crossings are proposed, are they adequately designed to maintain hydrology, sediment transport & wildlife passage?		X
2.4 Would the project remove part or all of a riparian buffer? (Riparian buffers are lands adjacent to streams where vegetation is strongly influenced by the presence of water. They are often thin lines of vegetation containing native grasses, flowers, shrubs and/or trees that line the stream banks. They are also called vegetated buffer zones.)		
2.5 The overall project site is more than 40 acres?		X
2.6 What is the area of the previously filled wetlands?	Unknown	
2.7 What is the area of the proposed fill in wetlands?	868 sq ft	
2.8 What % of the overall project sire will be previously and proposed filled wetlands?	N/A	
3. Wildlife	Yes	No
3.1 Has the NHB & USFWS determined that there are known occurrences of rare species, exemplary natural communities, Federal and State threatened and endangered species and habitat, in the vicinity of the proposed project? (All projects require an NHB ID number & a USFWS IPAC determination.) NHB DataCheck Tool: https://www4.des.state.nh.us/NHB-DataCheck/ . USFWS IPAC website: https://ipac.ecosphere.fws.gov/	X	

3.2 Would work occur in any area identified as either “Highest Ranked Habitat in N.H.” or “Highest Ranked Habitat in Ecological Region”? (These areas are colored magenta and green, respectively, on NH Fish and Game’s map, “2010 Highest Ranked Wildlife Habitat by Ecological Condition.”) Map information can be found at: <ul style="list-style-type: none"> • PDF: https://wildlife.state.nh.us/wildlife/wap-high-rank.html. • Data Mapper: www.granit.unh.edu. • GIS: www.granit.unh.edu/data/downloadfreedata/category/databycategory.html. 		X
3.3 Would the project impact more than 20 acres of an undeveloped land block (upland, wetland/waterway) on the entire project site and/or on an adjoining property(s)?		X
3.4 Does the project propose more than a 10-lot residential subdivision, or a commercial or industrial development?		X
3.5 Are stream crossings designed in accordance with the GC 31?	N/A	
4. Flooding/Floodplain Values	Yes	No
4.1 Is the proposed project within the 100-year floodplain of an adjacent river or stream?		X
4.2 If 4.1 is yes, will compensatory flood storage be provided if the project results in a loss of flood storage?		N/A
5. Historic/Archaeological Resources		
For a minimum, minor or major impact project - a copy of the RPR Form (www.nh.gov/nhdhr/review) with your DES file number shall be sent to the NH Division of Historical Resources as required on Page 37 GC 14(d) of the GP document**	X	
6. Minimal Impact Determination (for projects that exceed 1 acre of permanent impact)	Yes	No
Projects with greater than 1 acre of permanent impact must include the following: <ul style="list-style-type: none"> • Functional assessment for aquatic resources in the project area. • On and off-site alternative analysis. • Provide additional information and description for how the below criteria are met. 	N/A	
6.1 Will there be complete loss of aquatic resources on site?		
6.2 Have the impacts to the aquatic resources been avoided and minimized to the greatest extent practicable?		
6.3 Will all aquatic resource function be lost?		
6.4 Does the aquatic resource (s) have regional significance (watershed or ecoregion)?		
6.5 Is there an on-site alternative with less impact?		
6.6 Is there an off-site alternative with less impact?		
6.7 Will there be a loss to a resource dependent species?		
6.8 Are indirect impacts greater than 1 acre within and adjacent to the project area?		
6.9 Does the proposed mitigation replace aquatic resource function for direct, indirect, and cumulative impacts?		

*Although this checklist utilizes state information, its submittal to USACE is a federal requirement.

** If your project is not within Federal jurisdiction, coordination with NH DHR is not required under Federal law.



1.1 The eastern half of the Site is located within the quarter mile buffer of Norris Brook (NHRIV600030806-01) which is listed as impaired for E. coli. The proposed activities are not expected to contribute to this impairment. Erosion controls will be utilized throughout construction.

2.1-2.4 One perennial stream (identified as S-1), two intermittent streams (S-2 & S-3), and a ponded area associated with Wetland W-2, were delineated by VHB within 200 feet of the Site. None of these resources will be impacted by the proposed project. No impacts are proposed for tidal SAS, prime wetlands, PRAs, or riparian buffers; however, both permanent and temporary impacts are required to several roadside palustrine emergent and palustrine scrub-shrub wetlands which intersect the Project Area. No wetland crossings are proposed. Refer to **Section 2.1** of the **Application Narrative** for more information.

2.5-2.8 The Site consists of the existing two-lane Epping Road (NH Route 27 or NH 27) between the Continental Drive intersection to the south to approximately 300 feet north of the Cronin Road intersection within an actively developing commercial area in Exeter, NH. The Site ends south of the intersection of Epping Road and NH Route 101. Epping Road is bordered by forested land, palustrine wetlands, commercial businesses, and a single residential property. Epping Road is generally a two-lane road with turn lanes added at specific intersections. Proposed wetland impacts total approximately 868 sq ft of permanent impact and approximately 798 sq ft of temporary impact. The permanent impacts are the result of the proposed slope lines associated with the roadway widening and the temporary impacts include areas beyond the slope lines that will provide additional workspace as needed during construction. No stream impacts are proposed as part of this Project.

3.1 The NHB DataCheck Report (NHB23-0464) dated February 16, 2023, identified the potential presence of the slender blue beardless-iris (*Limniris prismatica*) within the vicinity of the Site. Consequently, coordination with the NHB is required. Through consultation with Ashley Litwinenko (NHB), she requested that a survey for the slender blue beardless-iris be conducted within the proposed impact areas in mid-June to mid-July when the species may be in flower. If not in flower, leaf width measurements will be accepted to determine species presence or absence. No construction will begin until the survey is conducted and the NHB consultation is complete (i.e., survey results shared with NHB to obtain any additional recommendations). No rare animals were identified in the NHB report and therefore no further consultation with NHF&G Department is necessary.

The USFWS IPaC report, dated May 22, 2023, identified the endangered northern long-eared bat (NLEB) and candidate species monarch butterfly (*Danaus plexippus*). Consultation for the NLEB is complete with a *no effect* determination. Refer to **Section 2.3** of the **Application Narrative** for a more detailed discussion.

3.2 The Site does not intersect nor abut any ranked habitats. Refer to **Section 2.1** of the **Application Narrative** for more information and **Figure 4** in **Appendix A**. Therefore, this Project is not expected to adversely impact areas of ranked wildlife habitat.

4.1 There are no Federal Emergency Management Agency (FEMA) mapped floodplains or floodways within the vicinity of the Site. Refer to the **Figure 3** provided in **Appendix A**.

5.0 A Request for Project Review (RPR) will be submitted to the NH Department of Historical Resources (NHDHR) shortly following the submission of this wetlands permit application. Refer to **Section 4** of the **Application Narrative** for more information.

70 Portsmouth Avenue
3rd Floor, Suite 2
Stratham, N.H. 03885
603 – 583 - 4860
Fax: 583 - 4863

May 17, 2023

Chairman
Town of Exeter Planning Board
10 Front Street
Exeter, NH 03833

RE: Letter of Explanation
Foss Motors
Proposed Vehicle Storage area
Tax Map 0052 Lot #: 112.2

Members of the Board:

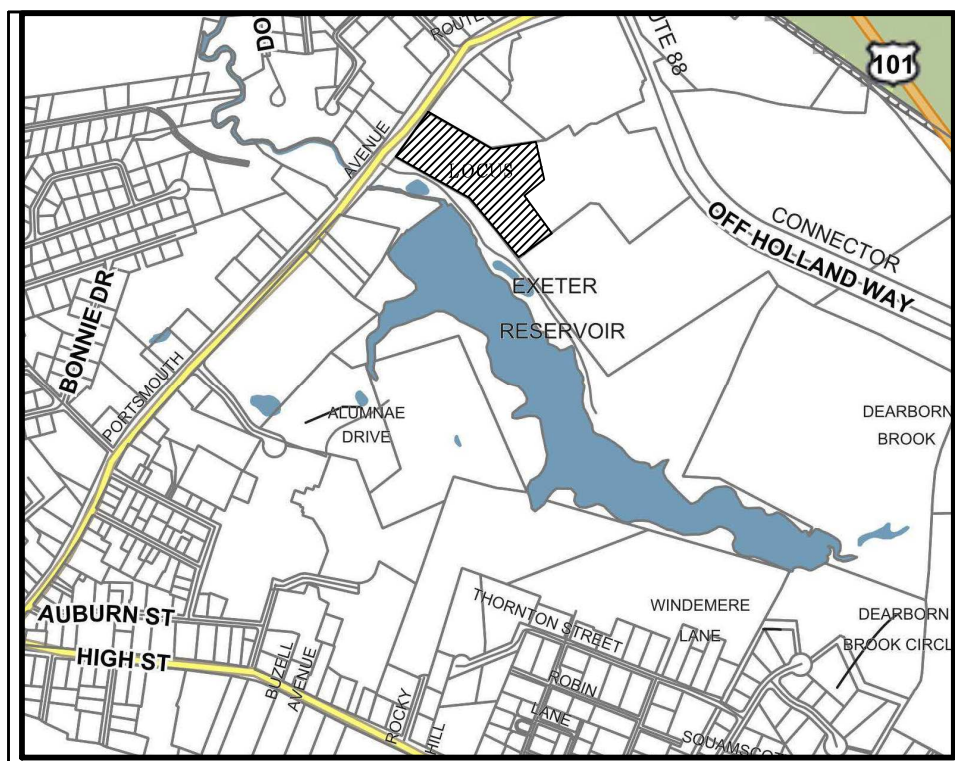
A preliminary consultation is requested to review build-out of the referenced parcel. The applicant is proposing a commercial vehicle storage area to increase inventory at 127 Portsmouth Avenue, with a connecting driveway to the existing Foss Motors vehicle display lot. A potential Phase 2 is also depicted which would include an office building on the parcel to be served by municipal water & sewer. The parcel consists of 6.24-acres which is encumbered by 150' and 300' municipal Shoreland Protection District buffers adjacent to the Exeter Reservoir. Areas of wetland fill are proposed (all of which are man-made wetlands). The total wetland fill proposed is 4,228 s.f., the 150' SPD impact area proposed = 21,000 +/-, and the 300'SPD impact area = 87,700s.f. +/- . We understand that should the project move to a formal application Conditional use permits are required for both the Wetlands Conservation Overlay District and Shoreland Protection District. We will be appearing before the Conservation Commission in June to review the conceptual plan as well before embarking on full engineering design. We appreciate your time and input.

Thank you for your consideration.

Very truly yours,
BEALS ASSOCIATES, PLLC

Christian O Smith

Christian O. Smith P.E.
Principal



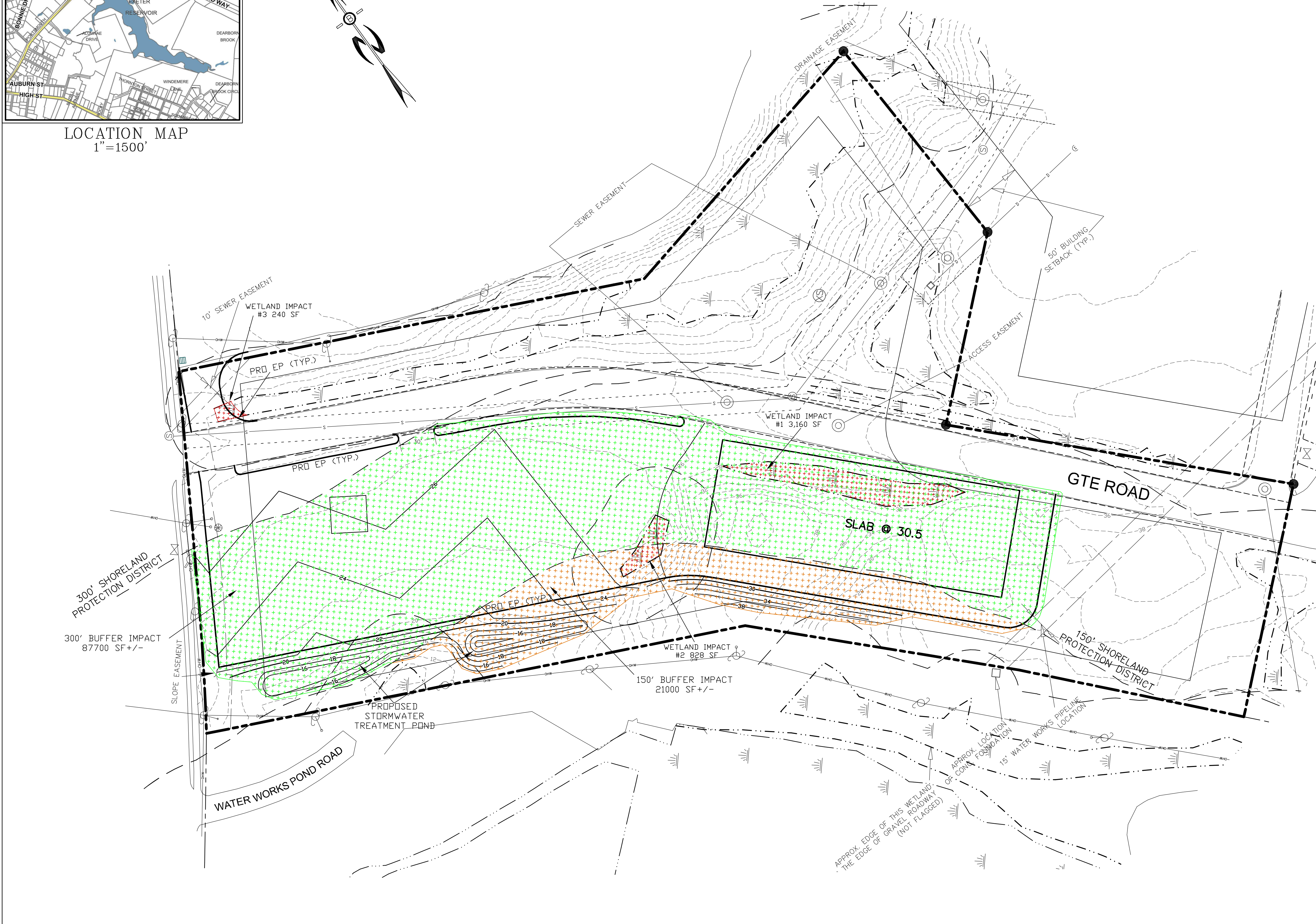
LOCATION MAP
1"=1500'

PREPARED FOR:
FOSS MOTORS
 133 PORTSMOUTH AVE.
 (NH ROUTE 108)
 EXETER, NEW HAMPSHIRE



70 PORTSMOUTH AVE,
 THIRD FLOOR, SUITE 2
 STRATHAM, N.H. 03885
 PHONE: 603-583-4860,
 FAX: 603-583-4863

- NOTES**
1. UNDERGROUND FACILITIES, UTILITIES AND STRUCTURES HAVE BEEN LOCATED FROM FIELD OBSERVATIONS AND THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. BEALS ASSOCIATES OR ANY OF THEIR EMPLOYEES TAKE NO RESPONSIBILITY FOR THE LOCATION OF ANY UNDERGROUND STRUCTURES OR UTILITIES NOT SHOWN, THAT MAY EXIST. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO HAVE ALL UNDERGROUND UTILITIES OR STRUCTURES LOCATED PRIOR TO EXCAVATION WORK BY CALLING 1-888-DIG-SAFE.
 2. THIS PLAN HAS BEEN PREPARED FOR MUNICIPAL AND STATE APPROVALS AND FOR CONSTRUCTION BASED ON DATA OBTAINED FROM ON-SITE FIELD SURVEY AND EXISTING MUNICIPAL RECORDS. THROUGHOUT THE CONSTRUCTION PROCESS, THE CONTRACTOR SHALL INFORM THE ENGINEER IMMEDIATELY OF ANY FIELD DISCREPANCY FROM DATA AS SHOWN ON THE DESIGN PLANS. THIS INCLUDES ANY UNFORESEEN CONDITIONS, SUBSURFACE OR OTHERWISE, FOR EVALUATION AND RECOMMENDATIONS. ANY CONTRADICTION BETWEEN ITEMS OF THIS PLAN/PLAN SET, OR BETWEEN THE PLANS AND ON-SITE CONDITIONS MUST BE RESOLVED BEFORE RELATED CONSTRUCTION HAS BEEN INITIATED.
 3. ALL BENCHMARKS AND TOPOGRAPHY SHOULD BE FIELD VERIFIED BY THE CONTRACTOR.
 4. ALL ROAD AND DRAINAGE WORK TO CONFORM TO TOWN STANDARD SPECIFICATIONS FOR CONSTRUCTION.
 5. ALL PROPOSED SIGNS SHALL CONFORM TO THE TOWN ZONING REGULATIONS.
 6. PROJECT IS BASED ON USGS DATUM NAVD 1988.
 7. THE LANDOWNER IS RESPONSIBLE FOR COMPLYING WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL WETLAND REGULATIONS, INCLUDING ANY PERMITTING AND SETBACK REQUIREMENTS REQUIRED UNDER THESE REGULATIONS.
 8. SEE DETAIL SHEET FOR STANDARD CONSTRUCTION NOTES AND DETAILS.
 9. ALTERATION OF TERRIAN PERMIT RSA 485:A-17 IS NOT REQUIRED.
 10. THIS SITE IS NOT LOCATED IN THE 100 YEAR FLOOD ZONE.



REVISIONS:		DATE:
CONCEPTUAL SITE PLAN		
COMMERCIAL DEVELOPMENT ROUTE 108 EXETER, NH TAX MAP 52, LOT 112.2		
DATE:	APRIL 2023	SCALE: 1"=40'
PROJ. NO.:	NH-1471	SHEET NO. 3

Exeter Conservation Commission
June 13, 2023
Nowak Room
10 Front Street
7:00 PM
Draft Minutes

Call to Order

1. Introduction of Members Present (by Roll Call)

Present at tonight's meeting were by roll call, Chair Andrew Koff, Vice-Chair Trevor Mattera, Treasurer Dave Short, , Kyle Welch, Connor Madison, Alternate Bill Campbell (remotely), and Alternate Valorie Fanger

Staff Present: Kristen Murphy, Conservation and Sustainability Planner

Mr. Koff called the meeting to order at 7:00 PM and activated Alternates Campbell and Fanger.

2. Public Comment

Mr. Koff asked if there was any public comment and there was none.

Action Items

1. Election of Officers

Chair Koff asked if anyone was interested in serving as an officer for the next term. Mr. Short recommended the same officers fill the same positions.

MOTION: Mr. Short motioned that the same people serve as officers in the same positions as last year for the coming year. Mr. Welch seconded the motion. A vote was taken, all were in favor, the motion passed 7-0-0.

2. Wetland Conditional Use Permit Application for proposed utility maintenance work on the existing A126 and H141 115-kV transmission lines for the Eversource RASH project

William McCloy of Normandeau Associates presented the proposal on behalf of Eversource.

Mr. McCloy indicated the project was for maintenance of existing A126 and H141 lines to replace 36 structures between the two. There is impact in the wetland overlay, work areas in the crossings and temporary and permanent access areas in the wetland buffer. There will be NHDES and other permits, Army Corp and AoT. There will be state permit by notification.

44 Matt Cardin welcomed questions. He indicated the locations from 101 to Town Forest, Raynes Farm,
45 across the river into Stratham. Mr. Koff noted Watson and Raynes were done in the past. Mr. Cardin
46 explained how the inspection process drives the replacement of structures from wood to steel. Last
47 year work was done on Captain's Way for a separate line. Mr. Short asked about filling gaps. Mr. Cardin
48 noted there is a justification process for replacement including cost and value.

49
50 Mr. Koff recommended a better way to communicate where work has already been done on the plan.

51
52 Mr. Campbell asked if it were more efficient to do them all at once. Mr. Cardin discussed timber
53 matting and coordinating with the farmer who was doing the haying.

54
55 Mr. Welch asked about a start date, which will be the middle to end of August, but some work can't
56 start until after October 15th per recommendation from Fish & Game.

57
58 Mr. Short asked about use of the parking lot while the work is done in the ROW. Mr. Cardin indicated
59 there will be no staging or storage of equipment in the parking lot, but it is in the ROW where they will
60 be working.

61
62 Ms. Murphy asked about nesting turtles and Mr. Cardin indicated Fish & Game only recommended time
63 of year restrictions. Ms. Murphy advised that the gravel changes the substrate, and the turtles will
64 need sandy soil or nesting.

65
66 Mr. Madison indicated he would be recusing himself as he works on the project.

67
68 Mr. Koff asked if work at Raynes Farm would be impacted, and Ms. Murphy noted the contractor works
69 up near the barn.

70
71 Mr. Koff reviewed the criteria. He noted the work is permitted in the district, there was no alternate
72 design heard, the functions and values were not discussed but provided, best management practices are
73 in place, safety was addressed with regard to the parking lot and popular areas. Mr. Cardin noted there
74 would be signs redirecting trail users as needed. Mr. Short will notify Fort Rock Riders. Mr. Welch asked
75 if there would be temporary trail closures and Mr. Cardin indicated there would. Mr. Koff
76 recommended notifying the Raynes Stewardship Committee. Ms. Murphy will notify them.

77
78 Mr. Koff noted #6 was not applicable and #7 temporary disturbances will be restored and #8 other
79 permits were discussed.

80
81 MOTION: Mr. Koff motioned that the Commission has no objection to the CUP as proposed. Mr.
82 Mattera seconded the motion. A vote was taken, all were in favor, the motion passed 6-0-1 with Mr.
83 Madison recusing and abstaining.

84
85 Mr. Koff noted a memo would be drafted to the Planning Board before their July meeting.

86

87 3. Minimum Impact Expedited Wetland Dredge and Fill application for 772 square feet of wetland
88 impact associated with the construction of a residential driveway for a new single-family house at 24
89 Powdermill Road
90 Tax Map 102-04 (Daniel Coons)

91
92 Ms. Murphy indicated the application was tabled. She provided the Commission with a copy of the
93 request letter. Wetlands need to be delineated They will need wetlands and CUP. A site walk was
94 recommended for 5 PM on July 11th.

95
96 4. Shoreland Conditional Use Permit or shoreland buffer impacts resulting from site improvements
97 associated with a three-unit condo conversion at 14 Hobart Street
98 Tax Map 74-Lot 88 (Alex Ross)

99
100 Mr. Koff read the public hearing notice.

101
102 Alex Ross presented the proposal for a three-unit condominium conversion at 14 Hobart Street. He
103 noted a shoreland permit would be required for the small site along Little River within the 250' setback.
104 There would be no wetland impact or impact within the 100' buffer. The owner has been to the ZBA to
105 get variances concerning the configuration of the lot and will have site review with the Planning Board.
106 He noted there used to be a leach field but have changed to town sewer. A large asphalt driveway will
107 be removed, and pervious pavers installed for stormwater drainage. Hobart Street is sloped to Little
108 River. Wetlands were delineated and Marc Jacobs is present.

109
110 Mr. Koff asked about the ZBA. Mr. Ross noted the third unit was a garage being converted to a housing
111 unit. Ms. Murphy noted that condo conversions for three or more units must go to the ZBA. All three
112 units are on town sewer.

113
114 Mr. Koff addressed controlled sanding and maintenance of the pervious pavers. Ms. Murphy
115 recommended a condition appear in the condo documents referencing maintenance.

116
117 Mr. Koff reviewed the criteria. Not detrimental to surface water and quality of the river. There is sewer
118 connection, so he doesn't see any impact there. No discharge or waste, again no septic on site. No
119 damage to spawning or wildlife. Design meets 9.3.4 of the ordinance.

120
121 MOTION: Mr. Short motioned that the Commission has no objection to the permit with the condition
122 that the condominium documents reference maintenance instructions for pervious pavement and
123 limitations to use of fertilizer. Mr. Mattera seconded the motion. A vote was taken, all were in favor,
124 the motion passed 7-0-0.

125
126 5. Committee Reports

127
128 a. Property Management

129
130 i. Raynes – repair progress update

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Ms. Murphy reported the contractor is working on siding and window repairs, foundation work is ongoing and progressing well. The next milestone will be to photo document repairs at the half way mark and provide information to L-Chip, have a site visit before releasing the second payment. Ms. Murphy noted there was some filming with Exeter TV.

Ms. Murphy noted they are still looking at other funding sources. She was not going to make the Moose plate deadline but Ms. Fanger helped research other grants that look promising. Ms. Fanger noted they have emailed information to various foundations and Ms. Murphy will submit the CIP information this year.

ii. Stone Property Mowing Plan \$975 July, \$975 September

Ms. Murphy reported that an assessment was done recommending two cuts in the summer and fall. Ms. Fanger asked why, and Mr. Koff indicated some of the reasons to maintain a diverse habitat for birds and other wildlife.

MOTION: Mr. Short motioned to approve expenditure of \$975 in July and \$975 in September out of the conservation fund for mowing at the stone property. Mr. Welch seconded the motion. A vote was taken, all were in favor, the motion passed 7-0-0.

b. Trails

i. Report from June 3rd HS trail maintenance day

Ms. Murphy reported that she and Mr. Welch attended the High School Trail Maintenance Day on June 3rd. A group of six people volunteered to work to reclaim the trail around the pond. There was a lot of cutting to do and poison ivy which would be dealt with better in the winter. Muskrats have breached a portion of the pond. Ms. Murphy noted it is part of the stormwater management system. Mr. Welch noted a bridge might be best.

c. Outreach Events

i. Alewife Festival

Ms. Murphy reported the Alewife Festival was a success. She sent out a follow-up survey and folks would like to see planning be done earlier so more entities can get involved. There was a decent turnout but a challenge to get the word out. Mr. Mattera noted the alewife have exploded in return the past few years. Mr. Welch noted photos on the website of eagles and herons and a seal named Rupert. Ms. Murphy noted that Ginny had a great idea to set up a display at the barn where people can come and display their work with a nature theme.

176 Ms. Murphy noted she is working with Bob Glowacky at Exeter TV to get a camera at the
177 string bridge. The date for next year's festival can be discussed at the next meeting.
178

179 ii. McDonnell Property Walking Group
180

181 Ms. Murphy reported a group went out midday on Tuesday to the McDonnell property
182 and about 15 attended, two of which were daughters of the original owner and it was
183 great to hear their stories.
184

185 Mr. Koff asked if anyone had any other outreach ideas and if so, to email him.
186

187 iii. VRAP – Voluntary River Assessment Program
188

189 Ms. Murphy noted the presentation was posted.
190

191 d. Other Committee Reports (River Study, Sustainability, Energy/CPAC, Tree, CC Roundtable)
192

193 i. Pickpocket Dam
194

195 Mr. Mattera reported on the river study and what classified the dam as high risk,
196 concerning the amount of water flow in certain storm situations based on the value of
197 property downstream. Some preliminary solutions were discussed such as raising the
198 abutment or removing.
199

200 6. Approval of Minutes
201

202 i. January 10, 2023 Meeting
203

204 MOTION: Mr. Koff motioned to approve the January 10, 2023 meeting minutes. Mr. Short
205 seconded the motion. A vote was taken, Ms. Fanger abstained. The motion passed 6-0-1.
206

207 ii. May 9, 2023 Meeting
208

209 MOTION: Mr. Koff motioned to approve the May 9, 2023 meeting minutes, as amended. Mr.
210 Mattera seconded the motion. A vote was taken, all were in favor, the motion passed 7-0-0.
211

212 7. Correspondence
213

214 Mr. Koff reported Don Clement was recognized for his service as an outstanding volunteer, and for all he
215 has done, by the Gulf of Maine Council. Mr. Clement has served on ERSAC for a long time. There is a
216 tribute to him on the webpage.
217

218 8. Other Business
219

220 Ms. Murphy reviewed some of the wetland rule changes at the state level and the ability to address
221 those amendments before July 10th with a comment letter. The NHACC was sending one and the

222 Commission could send a letter as well with a couple of people authorized to prepare the letter outside
223 the meeting.

224

225 Ms. Murphy reported that one change is mitigation at the local level in lieu of fee based on a threshold
226 the state would go straight to a fee in lieu and prioritize restoration projects which are expensive and
227 complicated for communities.

228

229 Mr. Short noted there would be a major loss of control there.

230

231 Ms. Murphy reported another change is the permit by notification or expedited which was within ten
232 days of receipt will now go to 25 days if there is no signature from Conservation.

233

234 The Commission agreed they would like to comment on the change from mitigation to fee in lieu.

235

236 MOTION: Mr. Koff motioned to craft a comment letter to NH DES. Mr. Short seconded the motion and
237 added and to authorize Mr. Koff and Ms. Murphy to draft the letter. A vote was taken, all were in favor,
238 the motion passed 7-0-0.

239

240 9. Next Meeting: Date Scheduled (7/11/23), Submission Deadline (6/30/23)

241

242 10. Adjournment

243

244 MOTION: Mr. Koff moved to adjourn the meeting at 8:54 PM seconded by Mr. Short. A vote was
245 taken, all were in favor, the motion passed unanimously.

246

247 Respectfully submitted,

248

249 Daniel Hoijer, Recording Secretary

250 Via Exeter TV

251 Zoom ID 824 7092 3159