



CONNORSTONE ENGINEERING, INC.

10 SOUTHWEST CUTOFF, SUITE #7
NORTHBOROUGH, MASSACHUSETTS 01532
T: (508) 393-9121

121 BOSTON POST ROAD
SUDBURY, MASSACHUSETTS 01716
T: (978) 443-9566

Northborough Conservation Commission
63 Main Street
Northborough, Massachusetts, 01532

January 12, 2022

**Subject: Notice of Intent
222 Green Street**

Dear Members of the Commission:

On behalf of the applicant (Bill Norman), please find the enclosed Notice of Intent for the proposed septic system replacement at 222 Green Street. Please find the following items for your review:

1. Copies of the application package including:
 - Completed WPA Form 3 Notice of Intent and Wetland Fee Transmittal Form;
 - Wetland Delineation Report
 - Locus mapping (USGS, Northborough GIS).
 - Abutters List, notification form, and the affidavit of service.
4. Three (3) copies of the proposed Sewage Disposal System Plans for 222 Green Street dated 12/13/21.
5. Checks in the amount of \$122.50 to cover the Town share of the NOI fee and \$80.00 for the local wetland bylaw fee. The State share of the fee will be paid on-line at an amount of \$97.50.

Project Summary / Use Area Description:

The existing site includes a 2.4 acre lot located at 222 Green Street. The lot is developed with a single family house including associated driveway, yards areas, and a septic system located to the rear of the house. Regulated resource areas are located to the west side of the lot including a Bordering Vegetated Wetland (BVW) with a 100 foot buffer zone that extends into the site and development area. There is also a perennial stream offsite to the west, however, the 200' Riverfront Area does not extend into the work area. The wetlands were delineated by Goddard Consulting in September 2021, and a copy of the report is attached.

The proposed project includes an addition and porch located off the rear side of the existing house. The proposed addition will be 88 feet from the wetland at its closest point. The existing septic tank is located within the footprint of the proposed addition. As part of the project the existing tank will be removed, and a new tank installed. The new tank will be 76 feet from the wetland.

The overall work will disturb 2,600 square feet within the buffer zone for both construction and access. Site disturbance has been mitigated through the use of straw wattles and silt fence placed along the limit of work and along the construction access route. Erosion controls shall be installed prior to any land disturbance and remain in place until the site is fully stabilized.

If you have any questions or require any additional information please contact our office.

Sincerely,
Connorstone Engineering, Inc.

Vito Colonna, P.E.



Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands

WPA Form 3 – Notice of Intent

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Provided by MassDEP:

MassDEP File Number

Document Transaction Number

Northborough

City/Town

Important:
When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.



Note:
Before completing this form consult your local Conservation Commission regarding any municipal bylaw or ordinance.

A. General Information

1. Project Location (**Note:** electronic filers will click on button to locate project site):

<u>222 Green Street</u>	<u>Northborough</u>	<u>01532</u>
a. Street Address	b. City/Town	c. Zip Code
Latitude and Longitude:	<u>42 20 42</u>	<u>71 40 57</u>
	d. Latitude	e. Longitude
<u>21</u>	<u>16</u>	
f. Assessors Map/Plat Number	g. Parcel /Lot Number	

2. Applicant:

<u>William</u>	<u>Norman</u>
a. First Name	b. Last Name
<u>222 Green Street</u>	
d. Street Address	
<u>Northborough</u>	<u>MA</u>
e. City/Town	f. State
	<u>01532</u>
	g. Zip Code
<u>(978) 853-3074</u>	<u>billnormani978@gmail.com</u>
h. Phone Number	i. Fax Number
	j. Email Address

3. Property owner (required if different from applicant): Check if more than one owner

Same as Applicant

a. First Name	b. Last Name
<u>222 Green Street</u>	
d. Street Address	
<u>Northborough</u>	<u>MA</u>
e. City/Town	f. State
	<u>01532</u>
	g. Zip Code
<u>(978) 853-3074</u>	<u>billnormani978@gmail.com</u>
h. Phone Number	i. Fax Number
	j. Email address

4. Representative (if any):

<u>Vito</u>	<u>Colonna</u>
a. First Name	b. Last Name
<u>Connorstone Engineering</u>	
c. Company	
<u>10 southwest Cutoff, suite 7</u>	
d. Street Address	
<u>Northborough</u>	<u>MA</u>
e. City/Town	f. State
	<u>01532</u>
	g. Zip Code
<u>508-393-9727</u>	<u>508-393-5242</u>
h. Phone Number	i. Fax Number
	<u>vc@csei.net</u>
	j. Email address

5. Total WPA Fee Paid (from NOI Wetland Fee Transmittal Form):

<u>\$220</u>	<u>\$97.50</u>	<u>\$122.50</u>
a. Total Fee Paid	b. State Fee Paid	c. City/Town Fee Paid
<u>Local Bylaw Fee = \$80</u>		
<u>(2 - Category 1)</u>		



Massachusetts Department of Environmental Protection
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A. General Information (continued)

6. General Project Description:

Work within regulatory area includes an addition off the rear of the existing house and relocation of the existing septic tank.

7a. Project Type Checklist: (Limited Project Types see Section A. 7b.)

- | | |
|---|---|
| 1. <input checked="" type="checkbox"/> Single Family Home | 2. <input type="checkbox"/> Residential Subdivision |
| 3. <input type="checkbox"/> Commercial/Industrial | 4. <input type="checkbox"/> Dock/Pier |
| 5. <input type="checkbox"/> Utilities | 6. <input type="checkbox"/> Coastal engineering Structure |
| 7. <input type="checkbox"/> Agriculture (e.g., cranberries, forestry) | 8. <input type="checkbox"/> Transportation |
| 9. <input type="checkbox"/> Other | |

7b. Is any portion of the proposed activity eligible to be treated as a limited project (including Ecological Restoration Limited Project) subject to 310 CMR 10.24 (coastal) or 310 CMR 10.53 (inland)?

1. Yes No If yes, describe which limited project applies to this project. (See 310 CMR 10.24 and 10.53 for a complete list and description of limited project types)

2. Limited Project Type

If the proposed activity is eligible to be treated as an Ecological Restoration Limited Project (310 CMR10.24(8), 310 CMR 10.53(4)), complete and attach Appendix A: Ecological Restoration Limited Project Checklist and Signed Certification.

8. Property recorded at the Registry of Deeds for:

Worcester

a. County

65512

c. Book

b. Certificate # (if registered land)

63

d. Page Number

B. Buffer Zone & Resource Area Impacts (temporary & permanent)

- Buffer Zone Only – Check if the project is located only in the Buffer Zone of a Bordering Vegetated Wetland, Inland Bank, or Coastal Resource Area.
- Inland Resource Areas (see 310 CMR 10.54-10.58; if not applicable, go to Section B.3, Coastal Resource Areas).

Check all that apply below. Attach narrative and any supporting documentation describing how the project will meet all performance standards for each of the resource areas altered, including standards requiring consideration of alternative project design or location.



Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands

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B. Buffer Zone & Resource Area Impacts (temporary & permanent) (cont'd)

For all projects affecting other Resource Areas, please attach a narrative explaining how the resource area was delineated.

<u>Resource Area</u>	<u>Size of Proposed Alteration</u>	<u>Proposed Replacement (if any)</u>
a. <input type="checkbox"/> Bank	1. linear feet _____	2. linear feet _____
b. <input type="checkbox"/> Bordering Vegetated Wetland	1. square feet _____	2. square feet _____
c. <input type="checkbox"/> Land Under Waterbodies and Waterways	1. square feet _____ 3. cubic yards dredged _____	2. square feet _____

<u>Resource Area</u>	<u>Size of Proposed Alteration</u>	<u>Proposed Replacement (if any)</u>
d. <input type="checkbox"/> Bordering Land Subject to Flooding	1. square feet _____ 3. cubic feet of flood storage lost _____	2. square feet _____ 4. cubic feet replaced _____
e. <input type="checkbox"/> Isolated Land Subject to Flooding	1. square feet _____ 2. cubic feet of flood storage lost _____	3. cubic feet replaced _____

- f. Riverfront Area
1. Name of Waterway (if available) - **specify coastal or inland** _____
2. Width of Riverfront Area (check one):
- 25 ft. - Designated Densely Developed Areas only
 - 100 ft. - New agricultural projects only
 - 200 ft. - All other projects

3. Total area of Riverfront Area on the site of the proposed project: _____ square feet

4. Proposed alteration of the Riverfront Area:

a. total square feet _____ b. square feet within 100 ft. _____ c. square feet between 100 ft. and 200 ft. _____

5. Has an alternatives analysis been done and is it attached to this NOI? Yes No

6. Was the lot where the activity is proposed created prior to August 1, 1996? Yes No

3. Coastal Resource Areas: (See 310 CMR 10.25-10.35)

Note: for coastal riverfront areas, please complete **Section B.2.f.** above.



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B. Buffer Zone & Resource Area Impacts (temporary & permanent) (cont'd)

Check all that apply below. Attach narrative and supporting documentation describing how the project will meet all performance standards for each of the resource areas altered, including standards requiring consideration of alternative project design or location.

Online Users:
Include your document transaction number (provided on your receipt page) with all supplementary information you submit to the Department.

<u>Resource Area</u>	<u>Size of Proposed Alteration</u>	<u>Proposed Replacement (if any)</u>
a. <input type="checkbox"/> Designated Port Areas	Indicate size under Land Under the Ocean, below	
b. <input type="checkbox"/> Land Under the Ocean	1. square feet	
	2. cubic yards dredged	
c. <input type="checkbox"/> Barrier Beach	Indicate size under Coastal Beaches and/or Coastal Dunes below	
d. <input type="checkbox"/> Coastal Beaches	1. square feet	2. cubic yards beach nourishment
e. <input type="checkbox"/> Coastal Dunes	1. square feet	2. cubic yards dune nourishment

	<u>Size of Proposed Alteration</u>	<u>Proposed Replacement (if any)</u>
f. <input type="checkbox"/> Coastal Banks	1. linear feet	
g. <input type="checkbox"/> Rocky Intertidal Shores	1. square feet	
h. <input type="checkbox"/> Salt Marshes	1. square feet	2. sq ft restoration, rehab., creation
i. <input type="checkbox"/> Land Under Salt Ponds	1. square feet	
	2. cubic yards dredged	
j. <input type="checkbox"/> Land Containing Shellfish	1. square feet	
k. <input type="checkbox"/> Fish Runs	Indicate size under Coastal Banks, inland Bank, Land Under the Ocean, and/or inland Land Under Waterbodies and Waterways, above	
	1. cubic yards dredged	
l. <input type="checkbox"/> Land Subject to Coastal Storm Flowage	1. square feet	

4. Restoration/Enhancement
If the project is for the purpose of restoring or enhancing a wetland resource area in addition to the square footage that has been entered in Section B.2.b or B.3.h above, please enter the additional amount here.

a. square feet of BWV

b. square feet of Salt Marsh

5. Project Involves Stream Crossings

a. number of new stream crossings

b. number of replacement stream crossings



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C. Other Applicable Standards and Requirements

- This is a proposal for an Ecological Restoration Limited Project. Skip Section C and complete Appendix A: Ecological Restoration Limited Project Checklists – Required Actions (310 CMR 10.11).

Streamlined Massachusetts Endangered Species Act/Wetlands Protection Act Review

1. Is any portion of the proposed project located in **Estimated Habitat of Rare Wildlife** as indicated on the most recent Estimated Habitat Map of State-Listed Rare Wetland Wildlife published by the Natural Heritage and Endangered Species Program (NHESP)? To view habitat maps, see the *Massachusetts Natural Heritage Atlas* or go to http://maps.massgis.state.ma.us/PRI_EST_HAB/viewer.htm.

- a. Yes No **If yes, include proof of mailing or hand delivery of NOI to:**

**Natural Heritage and Endangered Species Program
Division of Fisheries and Wildlife
1 Rabbit Hill Road
Westborough, MA 01581**

- 2021 _____
b. Date of map

If yes, the project is also subject to Massachusetts Endangered Species Act (MESA) review (321 CMR 10.18). To qualify for a streamlined, 30-day, MESA/Wetlands Protection Act review, please complete Section C.1.c, and include requested materials with this Notice of Intent (NOI); OR complete Section C.2.f, if applicable. *If MESA supplemental information is not included with the NOI, by completing Section 1 of this form, the NHESP will require a separate MESA filing which may take up to 90 days to review (unless noted exceptions in Section 2 apply, see below).*

- c. Submit Supplemental Information for Endangered Species Review*

1. Percentage/acreage of property to be altered:
 - (a) within wetland Resource Area _____ percentage/acreage
 - (b) outside Resource Area _____ percentage/acreage

2. Assessor's Map or right-of-way plan of site

2. Project plans for entire project site, including wetland resource areas and areas outside of wetlands jurisdiction, showing existing and proposed conditions, existing and proposed tree/vegetation clearing line, and clearly demarcated limits of work **
 - (a) Project description (including description of impacts outside of wetland resource area & buffer zone)
 - (b) Photographs representative of the site

* Some projects **not** in Estimated Habitat may be located in Priority Habitat, and require NHESP review (see <https://www.mass.gov/endangered-species-act-mesa-regulatory-review>).

Priority Habitat includes habitat for state-listed plants and strictly upland species not protected by the Wetlands Protection Act.

** MESA projects may not be segmented (321 CMR 10.16). The applicant must disclose full development plans even if such plans are not required as part of the Notice of Intent process.



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C. Other Applicable Standards and Requirements (cont'd)

- (c) MESA filing fee (fee information available at <https://www.mass.gov/how-to/how-to-file-for-a-mesa-project-review>).
Make check payable to "Commonwealth of Massachusetts - NHESP" and **mail to NHESP** at above address

Projects altering 10 or more acres of land, also submit:

- (d) Vegetation cover type map of site
- (e) Project plans showing Priority & Estimated Habitat boundaries
- (f) OR Check One of the Following

- 1. Project is exempt from MESA review.
Attach applicant letter indicating which MESA exemption applies. (See 321 CMR 10.14, <https://www.mass.gov/service-details/exemptions-from-review-for-projectsactivities-in-priority-habitat>; the NOI must still be sent to NHESP if the project is within estimated habitat pursuant to 310 CMR 10.37 and 10.59.)
- 2. Separate MESA review ongoing. a. NHESP Tracking # _____ b. Date submitted to NHESP _____
- 3. Separate MESA review completed.
Include copy of NHESP "no Take" determination or valid Conservation & Management Permit with approved plan.

- 3. For coastal projects only, is any portion of the proposed project located below the mean high water line or in a fish run?
a. Not applicable – project is in inland resource area only b. Yes No

If yes, include proof of mailing, hand delivery, or electronic delivery of NOI to either:

South Shore - Cohasset to Rhode Island border, and the Cape & Islands:

North Shore - Hull to New Hampshire border:

Division of Marine Fisheries -
Southeast Marine Fisheries Station
Attn: Environmental Reviewer
836 South Rodney French Blvd.
New Bedford, MA 02744
Email: dmf.envreview-south@mass.gov

Division of Marine Fisheries -
North Shore Office
Attn: Environmental Reviewer
30 Emerson Avenue
Gloucester, MA 01930
Email: dmf.envreview-north@mass.gov

Also if yes, the project may require a Chapter 91 license. For coastal towns in the Northeast Region, please contact MassDEP's Boston Office. For coastal towns in the Southeast Region, please contact MassDEP's Southeast Regional Office.

- c. Is this an aquaculture project? d. Yes No

If yes, include a copy of the Division of Marine Fisheries Certification Letter (M.G.L. c. 130, § 57).



Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands

WPA Form 3 – Notice of Intent

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C. Other Applicable Standards and Requirements (cont'd)

Online Users:
Include your document transaction number (provided on your receipt page) with all supplementary information you submit to the Department.

4. Is any portion of the proposed project within an Area of Critical Environmental Concern (ACEC)?
- a. Yes No If yes, provide name of ACEC (see instructions to WPA Form 3 or MassDEP Website for ACEC locations). **Note:** electronic filers click on Website.
- b. ACEC _____
5. Is any portion of the proposed project within an area designated as an Outstanding Resource Water (ORW) as designated in the Massachusetts Surface Water Quality Standards, 314 CMR 4.00?
- a. Yes No
6. Is any portion of the site subject to a Wetlands Restriction Order under the Inland Wetlands Restriction Act (M.G.L. c. 131, § 40A) or the Coastal Wetlands Restriction Act (M.G.L. c. 130, § 105)?
- a. Yes No
7. Is this project subject to provisions of the MassDEP Stormwater Management Standards?
- a. Yes. Attach a copy of the Stormwater Report as required by the Stormwater Management Standards per 310 CMR 10.05(6)(k)-(q) and check if:
1. Applying for Low Impact Development (LID) site design credits (as described in Stormwater Management Handbook Vol. 2, Chapter 3)
 2. A portion of the site constitutes redevelopment
 3. Proprietary BMPs are included in the Stormwater Management System.
- b. No. Check why the project is exempt:
1. Single-family house
 2. Emergency road repair
 3. Small Residential Subdivision (less than or equal to 4 single-family houses or less than or equal to 4 units in multi-family housing project) with no discharge to Critical Areas.

D. Additional Information

- This is a proposal for an Ecological Restoration Limited Project. Skip Section D and complete Appendix A: Ecological Restoration Notice of Intent – Minimum Required Documents (310 CMR 10.12).

Applicants must include the following with this Notice of Intent (NOI). See instructions for details.

Online Users: Attach the document transaction number (provided on your receipt page) for any of the following information you submit to the Department.

1. USGS or other map of the area (along with a narrative description, if necessary) containing sufficient information for the Conservation Commission and the Department to locate the site. (Electronic filers may omit this item.)
2. Plans identifying the location of proposed activities (including activities proposed to serve as a Bordering Vegetated Wetland [BVW] replication area or other mitigating measure) relative to the boundaries of each affected resource area.



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D. Additional Information (cont'd)

- 3. Identify the method for BVW and other resource area boundary delineations (MassDEP BVW Field Data Form(s), Determination of Applicability, Order of Resource Area Delineation, etc.), and attach documentation of the methodology.
- 4. List the titles and dates for all plans and other materials submitted with this NOI.

Proposed Sewage Disposal System

a. Plan Title	_____	
Connorstone Engineering	_____	Vito Colonna
b. Prepared By	_____	c. Signed and Stamped by
12/13/2021	_____	1"=20'
d. Final Revision Date	_____	e. Scale

f. Additional Plan or Document Title	_____	g. Date	_____
--------------------------------------	-------	---------	-------

- 5. If there is more than one property owner, please attach a list of these property owners not listed on this form.
- 6. Attach proof of mailing for Natural Heritage and Endangered Species Program, if needed.
- 7. Attach proof of mailing for Massachusetts Division of Marine Fisheries, if needed.
- 8. Attach NOI Wetland Fee Transmittal Form
- 9. Attach Stormwater Report, if needed.

E. Fees

- 1. Fee Exempt: No filing fee shall be assessed for projects of any city, town, county, or district of the Commonwealth, federally recognized Indian tribe housing authority, municipal housing authority, or the Massachusetts Bay Transportation Authority.

Applicants must submit the following information (in addition to pages 1 and 2 of the NOI Wetland Fee Transmittal Form) to confirm fee payment:

2. Municipal Check Number	260	3. Check date	1/20/22
4. State Check Number	N/A - Paid online	5. Check date	---
6. Payor name on check: First Name	William	7. Payor name on check: Last Name	Norman



Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands

Provided by MassDEP:

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F. Signatures and Submittal Requirements

I hereby certify under the penalties of perjury that the foregoing Notice of Intent and accompanying plans, documents, and supporting data are true and complete to the best of my knowledge. I understand that the Conservation Commission will place notification of this Notice in a local newspaper at the expense of the applicant in accordance with the wetlands regulations, 310 CMR 10.05(5)(a).

I further certify under penalties of perjury that all abutters were notified of this application, pursuant to the requirements of M.G.L. c. 131, § 40. Notice must be made by Certificate of Mailing or in writing by hand delivery or certified mail (return receipt requested) to all abutters within 100 feet of the property line of the project location.

W.W.
1. Signature of Applicant

01/20/22
2. Date

3. Signature of Property Owner (if different)

1/21/22
4. Date

5. Signature of Representative (if any)

6. Date

For Conservation Commission:

Two copies of the completed Notice of Intent (Form 3), including supporting plans and documents, two copies of the NOI Wetland Fee Transmittal Form, and the city/town fee payment, to the Conservation Commission by certified mail or hand delivery.

For MassDEP:

One copy of the completed Notice of Intent (Form 3), including supporting plans and documents, one copy of the NOI Wetland Fee Transmittal Form, and a **copy** of the state fee payment to the MassDEP Regional Office (see Instructions) by certified mail or hand delivery.

Other:

If the applicant has checked the "yes" box in any part of Section C, Item 3, above, refer to that section and the Instructions for additional submittal requirements.

The original and copies must be sent simultaneously. Failure by the applicant to send copies in a timely manner may result in dismissal of the Notice of Intent.



Massachusetts Department of Environmental Protection
 Bureau of Resource Protection - Wetlands
NOI Wetland Fee Transmittal Form
 Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Important: When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.



A. Applicant Information

1. Location of Project:

222 Green Street Northborough
 a. Street Address b. City/Town
n/a – paid online \$97.50
 c. Check number d. Fee amount

2. Applicant Mailing Address:

William Norman
 a. First Name b. Last Name
 c. Organization
222 Green Street
 d. Mailing Address
Northborough MA 01532
 e. City/Town f. State g. Zip Code
 h. Phone Number i. Fax Number j. Email Address

3. Property Owner (if different):

Same as Applicant
 a. First Name b. Last Name
 c. Organization
 d. Mailing Address
 e. City/Town f. State g. Zip Code
 h. Phone Number i. Fax Number j. Email Address

To calculate filing fees, refer to the category fee list and examples in the instructions for filling out WPA Form 3 (Notice of Intent).

B. Fees

Fee should be calculated using the following process & worksheet. **Please see Instructions before filling out worksheet.**

Step 1/Type of Activity: Describe each type of activity that will occur in wetland resource area and buffer zone.

Step 2/Number of Activities: Identify the number of each type of activity.

Step 3/Individual Activity Fee: Identify each activity fee from the six project categories listed in the instructions.

Step 4/Subtotal Activity Fee: Multiply the number of activities (identified in Step 2) times the fee per category (identified in Step 3) to reach a subtotal fee amount. Note: If any of these activities are in a Riverfront Area in addition to another Resource Area or the Buffer Zone, the fee per activity should be multiplied by 1.5 and then added to the subtotal amount.

Step 5/Total Project Fee: Determine the total project fee by adding the subtotal amounts from Step 4.

Step 6/Fee Payments: To calculate the state share of the fee, divide the total fee in half and subtract \$12.50. To calculate the city/town share of the fee, divide the total fee in half and add \$12.50.



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B. Fees (continued)

Step 1/Type of Activity	Step 2/Number of Activities	Step 3/Individual Activity Fee	Step 4/Subtotal Activity Fee
Category 1.a Site Work / Additions to Single Family House	1	110	110
Category 1.e Septic System Repair	1	110	110

Step 5/Total Project Fee: 220

Step 6/Fee Payments:

Total Project Fee:	<u>\$220</u>
State share of filing Fee:	<u>\$97.50</u>
City/Town share of filling Fee:	<u>\$122.50</u>
	a. Total Fee from Step 5
	b. 1/2 Total Fee less \$12.50
	c. 1/2 Total Fee plus \$12.50

C. Submittal Requirements

- a.) Complete pages 1 and 2 and send with a check or money order for the state share of the fee, payable to the Commonwealth of Massachusetts.

Department of Environmental Protection
 Box 4062
 Boston, MA 02211

- b.) **To the Conservation Commission:** Send the Notice of Intent or Abbreviated Notice of Intent; a **copy** of this form; and the city/town fee payment.

To MassDEP Regional Office (see Instructions): Send a copy of the Notice of Intent or Abbreviated Notice of Intent; a **copy** of this form; and a **copy** of the state fee payment. (E-filers of Notices of Intent may submit these electronically.)

William H Norman
Maria Norman
11 King St 022 Green St.
Northborough, MA 01532

260
53-13/110 MA
26536

01/20/22 Date

Pay to the Order of Town of Northboro \$ 122.50
ONE Hundred Twenty two 50/100 Dollars

BANK OF AMERICA

ACH R/T 011000138

For Notice of Intent

W-N

William H Norman
Maria Norman
11 King St 022 Green St
Northborough, MA 01532

259
53-13/110 MA
26536

01/20/22 Date

Pay to the Order of TOWN OF Northboro \$ 80.00
Eighty 00/100 Dollars

BANK OF AMERICA

ACH R/T 011000138

For Local Bylaw Fee

W-N

September 23, 2021

Connorstone Engineering, Inc
10 Southwest Cutoff
Northborough, MA 01532

Re: Wetland Border Report
222 Green Street
Northborough, MA 01532

Dear Connorstone Engineering,

On September 17, 2021, the wetland resources were delineated on land located on or near the above listed site (refer to enclosed locus maps). The wetland border was flagged using the criteria in the most recent edition of MA Wetland Protection Act (WPA) and Regulations 310 CMR 10.00 et al and the local wetland bylaw. Hydric soil indicators, vegetation changes, hydrological indicators, and topography were all considered for delineation purposes.

Bordering Vegetated Wetlands were delineated in the field with series GC A1 - GC A28. Two intermittent streams that run into the wetland system were delineated with series Bank1 – Bank7 and Bank B1 – Bank B8. A small portion of Howard Brook was delineated with series MAHW 1 – MAHW 5. These wetlands are dominant in red maple, gray birch, winterberry, jewelweed, and poison ivy. The adjacent forested upland is dominant in red oak, red maple, oriental bittersweet, tall goldenrod, and poison ivy. Department of Environmental Protection BVW field data forms were documented at wetland flag # GC A22 (see attached form).

According to the Mass GIS data layers for NHESP, this site is not located within Estimated and/or Priority Habitat of Rare Wildlife and has no mapped potential or certified vernal pools. The site is not located in an ACEC. The site is not located within a FEMA Flood Zone or an Outstanding Resource Water.

The Northborough Wetlands Protection Bylaw and the MA Wetlands Protection Act takes jurisdiction over BVW resources. The BVW and bank resource areas have a jurisdictional 100-foot Buffer Zone. Howard Brook has a 200-foot jurisdictional Riverfront Area. Any work within the resource areas and/or associated buffer zone requires a Request for Determination (RDA) or Notice of Intent (NOI) be filed with the Conservation Commission.

Sincerely,
Goddard Consulting, LLC

Andrew Thibault

Andrew Thibault
Wetland Scientist

DEP Bordering Vegetated Wetland (310 CMR 10.55) Delineation Field Data Form

DEP File #:

Prepared by: **Goddard Consulting LLC**
 Project location: **222 Green Street**

Applicant: **Connorstone Engineering**
 Observation Plot Number: **GC A22**
 Date of Delineation: **17-Sep-21**

Check all that apply:
 Vegetation alone presumed adequate to delineate BVW boundary: fill out Section I only
 Vegetation and other indicators of hydrology used to delineate BVW boundary: fill out Sections I and II
 Method other than dominance test used (attach additional information)

Section I. Vegetation		Transsect Number: Upgradient	Date of Delineation: 17-Sep-21	Wetland Indicator Category*
Sample Layer and Plant Species	Scientific name	% Cover	% Dominance	Dominant Plant (yes or no)
Tree Layer				
Red Maple	<i>Acer rubrum</i>	38%	65.0%	Yes
Red Oak	<i>Quercus rubra</i>	21%	35.0%	Yes
Sapling Layer				
Red Maple	<i>Acer rubrum</i>	21%	66.1%	Yes
Red Oak	<i>Quercus rubra</i>	11%	33.9%	Yes
Shrub Layer				
Climbing Woody Vine				
Eastern Poison Ivy	<i>Toxicodendron radicans</i>	11%	21.6%	Yes
Oriental Bittersweet	<i>Celastrus orbiculatus</i>	38%	78.4%	Yes
Ground Cover				
Tall Goldenrod	<i>Solidago altissima</i>	11%	20.0%	Yes
Oriental Bittersweet	<i>Celastrus orbiculatus</i>	11%	20.0%	Yes
Marginal Wood Fern	<i>Dryopteris marginalis</i>	11%	20.0%	Yes
Allegheny Blackberry	<i>Rubus allegheniensis</i>	11%	20.0%	Yes
Climbing Nightshade	<i>Solanum dulcamara</i>	11%	20.0%	Yes

Remarks: * An asterisk after common plant name indicates stunted growth; ** indicates extremely stunted growth

Morphological Adaptations: 0
 * An asterisk after indicator status denotes wetlands plants: plants listed in the Wetlands Protection Act (MGL c.131, s.40); plants in the genus Sphagnum, or plants listed as FAC, FACW, or OBL.

Vegetation conclusion:
 Number of dominant wetland indicator plants: 4 Number of dominant non-wetland indicator plants: 7
 Is the number of dominant wetland plants equal to or greater than the number of dominant non-wetland plants? no

If vegetation alone is presumed adequate to delineate the BVW boundary, submit this form with the Request for Determination of Applicability or Notice of Intent.

Section II. Indicators of Hydrology

Hydric Soil Interpretation

1. Soil Survey

Is there a published soil survey for this site? yes no

title/date: Soil Survey of Worcester County, Northeastern Part - 1985
 map number: 70A

soil type mapped: Ridgebury Fine Sandy Loam

hydric soil inclusions: _____

Are field observations consistent with soil survey? yes no

Remarks: _____

2. Soil Description

Horizon	Depth (inches)	Matrix Color	Mottles Color or Texture
A	0-6"	10yr 2/1	FSL
B	6-12"	10yr 5/4	FSL

Remarks: _____

3. Other:

Conclusion: Is soil hydric? yes no

Other Indicators of Hydrology: (check all that apply and describe)

- Site inundated: _____
- Depth to free water in observation hole: _____
- Depth to soil saturation in observation hole: _____
- Water marks: _____
- Drift Lines: _____
- Sediment deposits: _____
- Drainage patterns in BVW: _____
- Oxidized rhizospheres: _____
- Water-stained leaves: _____
- Recorded data (stream, lake, or tidal gauge; aerial photo; other): _____
- Other: _____

Vegetation and Hydrology Conclusion for Upgradient of GC A22		yes	no
Number of wetland indicator plants >= number of non-wetland plants			X
Wetland hydrology present: hydric soils present			X
other indicators of hydrology present			X
Sample location is in a BVW			X

Submit this form with the Request for Determination of Applicability or Notice of Intent

Section II. Indicators of Hydrology

Hydric Soil Interpretation

1. Soil Survey

Is there a published soil survey for this site? yes no

title/date: Soil Survey of Worcester County, Northeastern Part - 1985

map number: 70A

soil type mapped: Ridgebury Fine Sandy Loam

hydric soil inclusions: _____

Are field observations consistent with soil survey? yes no

Remarks: _____

2. Soil Description

Horizon	Depth (inches)	Matrix Color	Mottles Color or Texture
A	0-8"	10yr 2/1	Org
C	8-16"	10yr 1/5	Org

Remarks: _____

Redox at 12"
 GW at 16"

3. Other: _____

Conclusion: Is soil hydric? yes no

Other Indicators of Hydrology: (check all that apply and describe)

- Site inundated: _____
- Depth to free water in observation hole: 16"
- Depth to soil saturation in observation hole: _____
- Water marks: _____
- Drift Lines: _____
- Sediment deposits: _____
- Drainage patterns in BVW: _____
- Oxidized rhizospheres: _____
- Water-stained leaves: _____
- Recorded data (stream, lake, or tidal gauge; aerial photo; other): _____
- Other: _____

Vegetation and Hydrology Conclusion for Downgradient of GC A22		
	yes	no
Number of wetland indicator plants >= number of non-wetland plants	X	
Wetland hydrology present: hydric soils present	X	
other indicators of hydrology present	X	
Sample location is in a BVW	X	

Submit this form with the Request for Determination of Applicability or Notice of Intent

Legend

 Property Boundary

 Tax Parcels

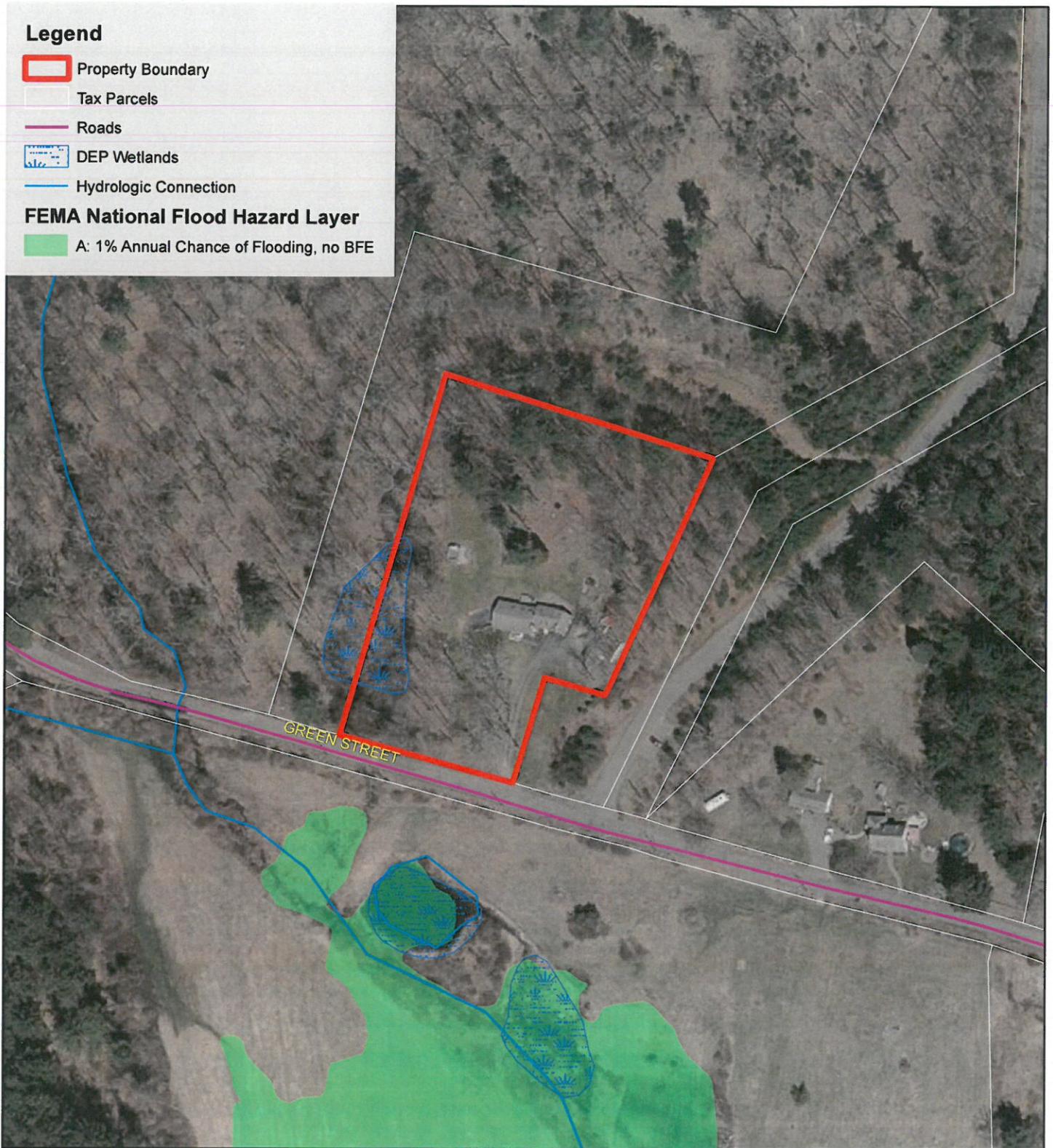
 Roads

 DEP Wetlands

 Hydrologic Connection

FEMA National Flood Hazard Layer

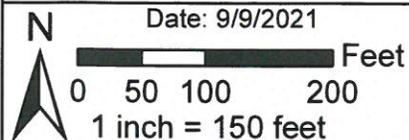
 A: 1% Annual Chance of Flooding, no BFE



Orthophoto of the Locus Site

222 Green Street - Northborough, MA

(Map: 215, Parcel: 21 Lot: 16)



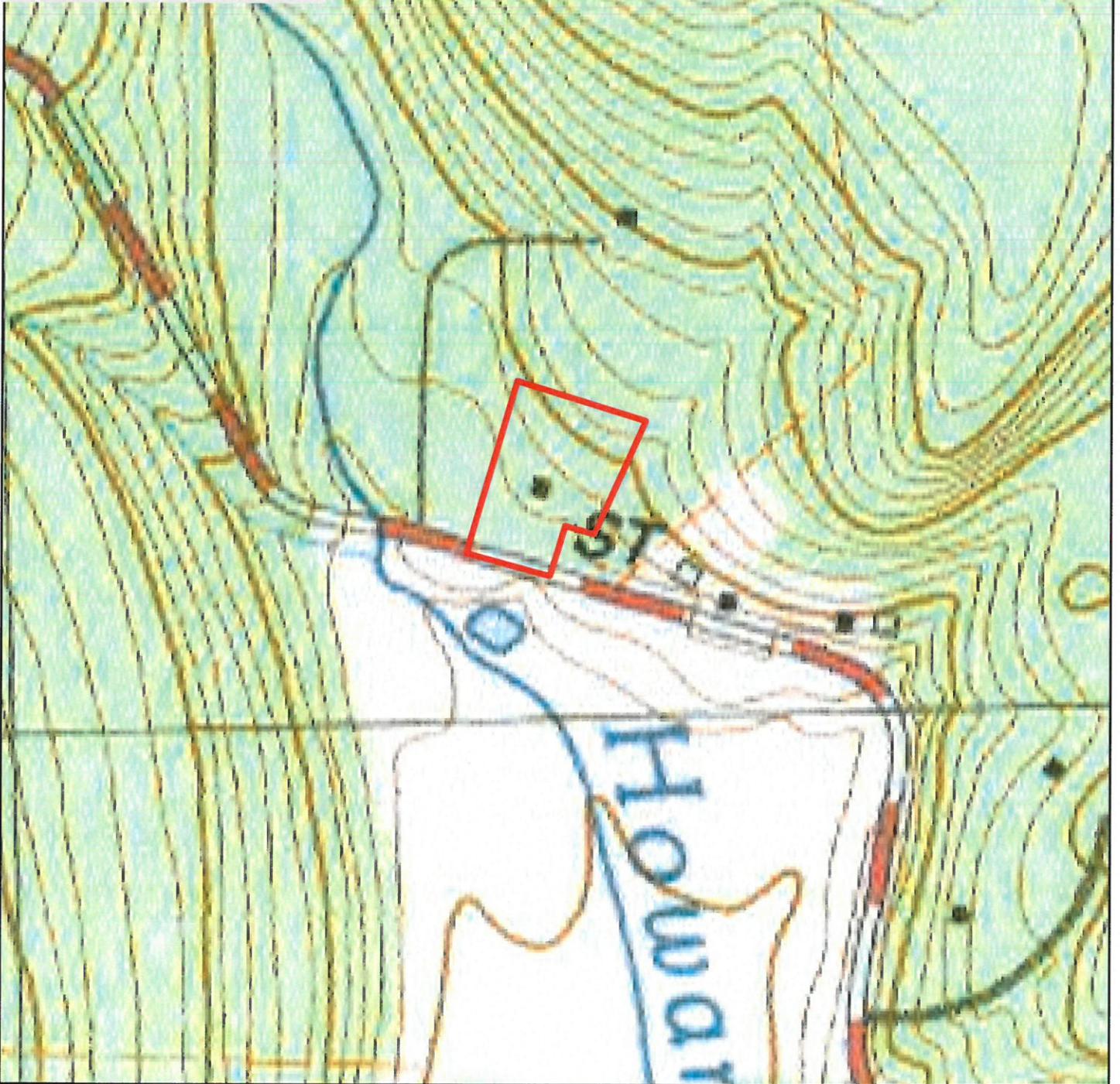
Date: 9/9/2021

GIS Data Source: "Office of Geographic Information (MassGIS), Commonwealth of Massachusetts, MassIT"

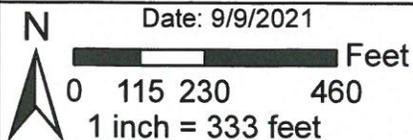


Legend

 Property Boundary



USGS of the Locus Site
222 Green Street - Northborough, MA
(Map: 215, Parcel: 21 Lot: 16)

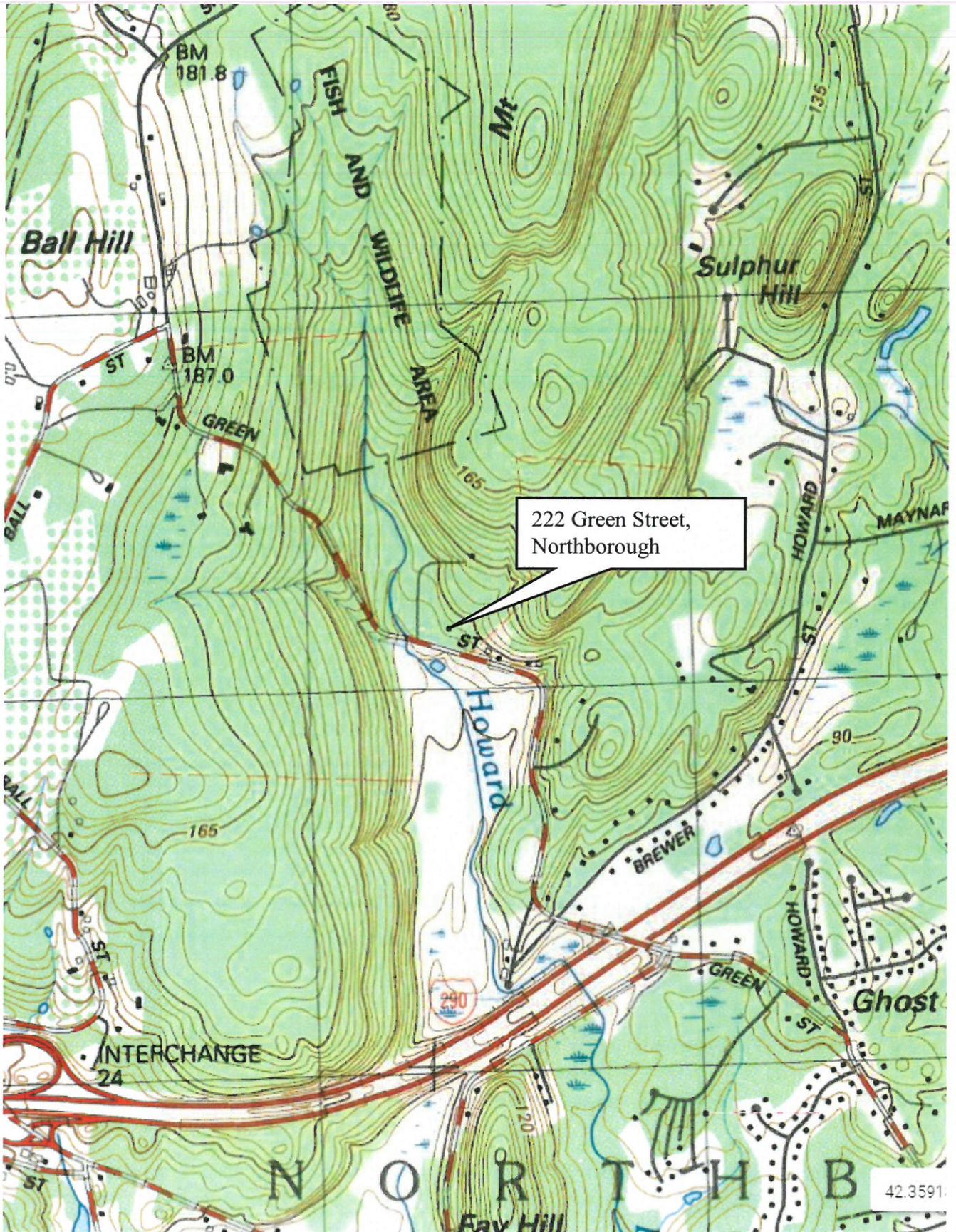


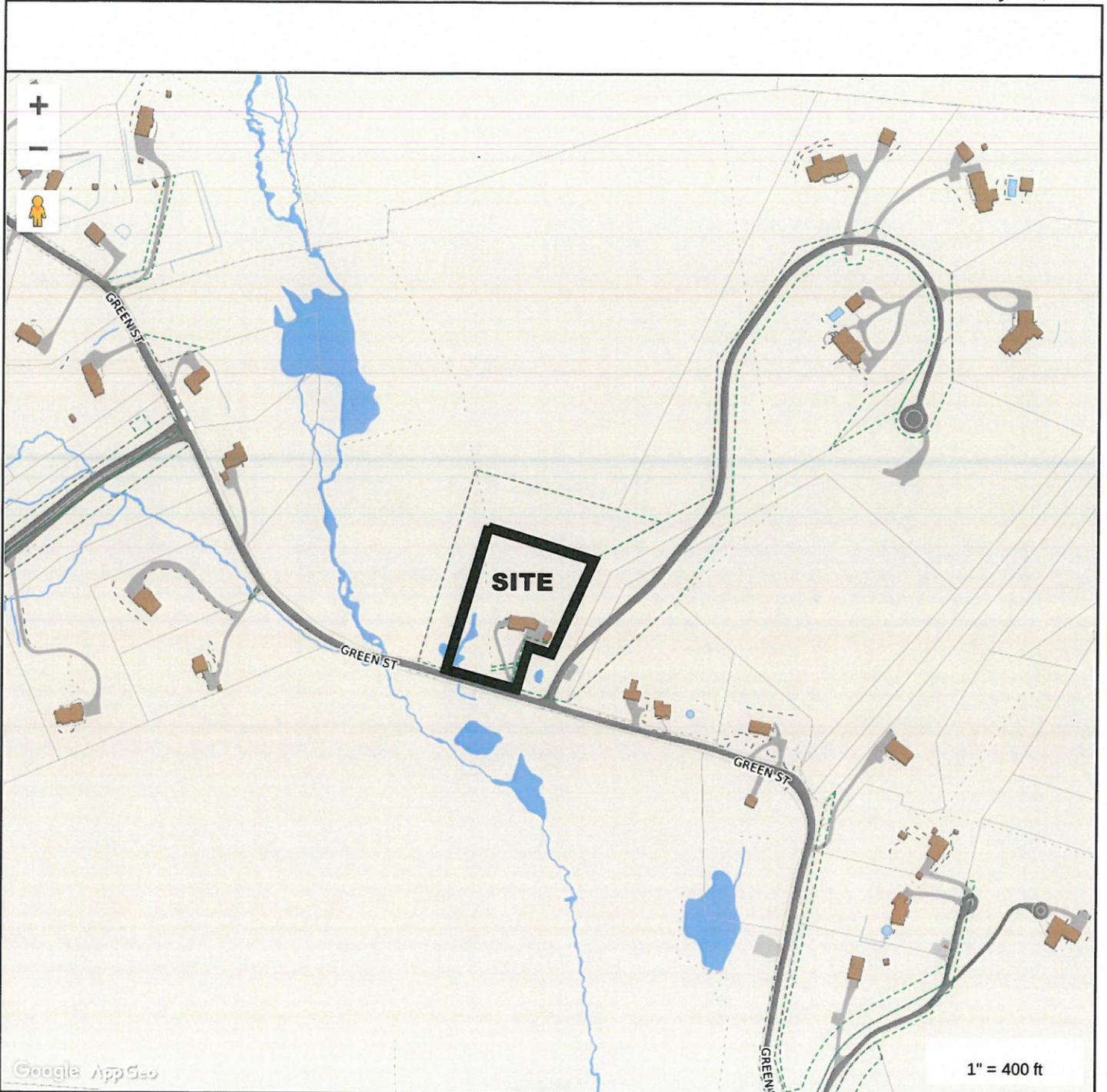
Date: 9/9/2021

GIS Data Source: "Office of Geographic Information (MassGIS), Commonwealth of Massachusetts, MassIT"

GODDARD CONSULTING
Strategic Wetland Permitting LLC

USGS Map





**MAP FOR REFERENCE ONLY
NOT A LEGAL DOCUMENT**

Town of Northborough, MA makes no claims and no warranties, expressed or implied, concerning the validity or accuracy of the GIS data presented on this map.

Geometry updated Jan 28, 2020
Data updated Jan 28, 2020

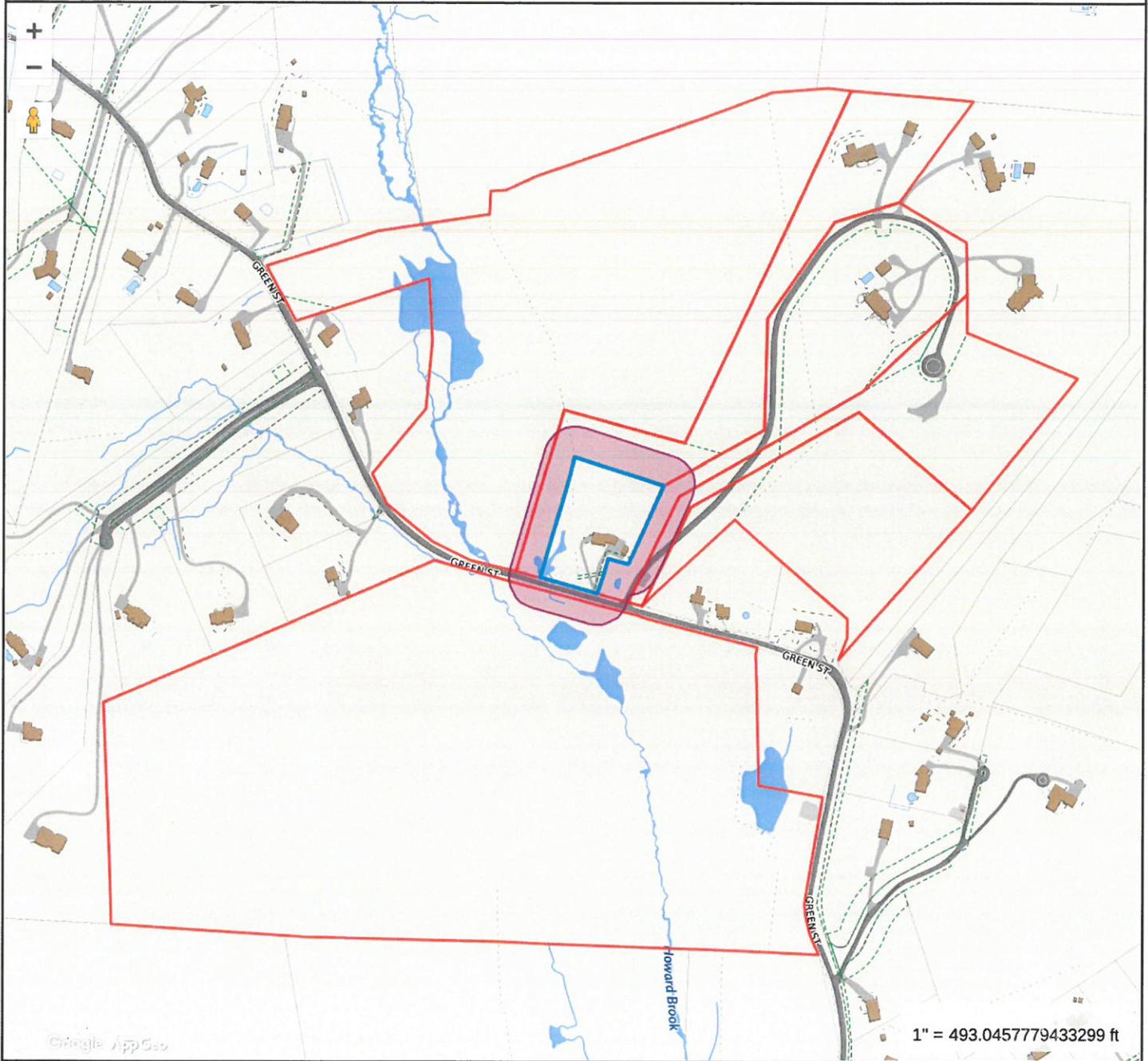
Print map scale is approximate.
Critical layout or measurement
activities should not be done using
this resource.



222 Green Street - 100 ft Abutters - January 24, 2022

ID	Site Address	Owner Name	Owner Name 2	Owner Address 1	Owner Address 2	Owner City	Owner State	Owner Zip
026.0-0002-0000.0	0 GREEN STREET	TOWN OF NORTHBOROUGH	CONSERVATION COMMISSION	63 MAIN STREET		NORTHBOROUGH	MA	01532
021.0-0025-0000.0	0 GREEN STREET	SILVER ANDREW J TRUSTEE	GREEN STREET REALTY TRUST	260 BEACON STREET		BOSTON	MA	02116
021.0-0015-0000.0	210 GREEN STREET	DEFEUDIS GINO		210 GREEN STREET		NORTHBOROUGH	MA	01532
021.0-0017-0000.0	212 GREEN STREET	BELLO RICARDO A	SCORDI-BELLO IRINOULLA ANDREA	212 GREEN STREET		NORTHBOROUGH	MA	01532
021.0-0023-0000.0	218 GREEN STREET	GRENON J MICHAEL		12 WOODSTONE ROAD		NORTHBOROUGH	MA	01532
021.0-0016-0000.0	222 GREEN STREET	NORMAN WILLIAM H	WOODLAND SUSAN	222 GREEN STREET		NORTHBOROUGH	MA	01532
021.0-0014-0000.0	242 GREEN STREET	242 GREEN STREET LLC		210 GREEN STREET	C/O GINO DEFEUDIS	NORTHBOROUGH	MA	01532

Certified Abutters List - 222 Green Street - 100' radius



Property Information

Property ID 021.0-0016-0000.0
Location 222 GREEN STREET
Owner CARMODY LYNNE A



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Geometry updated Jan 28, 2020
 Data updated Jan 28, 2020

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TOWN OF NORTHBOROUGH
CONSERVATION COMMISSION
63 MAIN STREET
NORTHBOROUGH, MA 01532

SILVER ANDREW J TRUSTEE
GREEN STREET REALTY TRUST
260 BEACON STREET
BOSTON, MA 02116

DEFEUDIS GINO
210 GREEN STREET
NORTHBOROUGH, MA 01532

BELLO RICARDO A
SCORDI-BELLO IRINOULLA ANDREA
212 GREEN STREET
NORTHBOROUGH, MA 01532

GRENON J MICHAEL
12 WOODSTONE ROAD
NORTHBOROUGH, MA 01532

NORMAN WILLIAM H
WOODLAND SUSAN
222 GREEN STREET
NORTHBOROUGH, MA 01532

242 GREEN STREET LLC
210 GREEN STREET
C/O GINO DEFEUDIS
NORTHBOROUGH, MA 01532

AFFIDAVIT OF SERVICE
Under the Massachusetts Wetlands Protection Act
And the Town of Northborough Wetlands Bylaw

I, Vito Colonna of Connorstone Engineering, Inc., hereby certify under the pains and penalties of perjury that on January 25, 2022 I gave notification to abutters in compliance with the second paragraph of Massachusetts General Laws Chapter 131, Section 40, and the DEP Guide to Abutter Notification dated April 8, 1994, in connection with the following matter:

A Notice of Intent filed under the Massachusetts Wetlands Protection Act and the Town of Northborough Wetlands Bylaw by Bill Norman with the Northborough Conservation Commission on January 25, 2022 for property located at 222 Green Street, Northborough, MA.

The form of the notification, and a list of the abutters to whom it was given and their addresses are attached to this Affidavit of Service.



Name

1-21-22

Date

Notification to Abutters Under the
Massachusetts Wetlands Protection Act
And the Northborough Wetlands Bylaw

In accordance with the second paragraph of Massachusetts General Laws
Chapter 131, Section 40, you are hereby notified of the following:

- A. The name of the applicant is Bill Norman
 - B. The applicant has filed a Notice of Intent/ Request for Determination of Applicability with the Conservation Commission of the Town of Northborough seeking permission to remove, fill, dredge or alter an area subject to protection under the wetland protection act (General Laws Chapter 131, Section 40).
 - C. The address where the activity is proposed is 222 Green Street
 - D. The activity consists of Addition to rear of existing house and new septic tank
 - E. Copies of the filing may be examined at the Conservation Commission Office, Town Hall, between the hours of 8 am and 4 PM, Monday through Friday **pending COVID restriction guidelines**. Please call prior to coming: 508-393-5015.
- A digital PDF of the application can be requested by email:
conservation@town.northborough.ma.us
- F. Copies of the Notice of Intent/Request for Determination may be obtained from Connorstone Engineering, Inc by calling 508-393-9727, between the hours of 10am and 4 pm, Monday through Friday
 - G. Information regarding the date, time and place of the public hearing may be obtained from the Conservation Commission Office by calling 508-393-5015 during the hours listed above.

NOTE: Notice of the public hearing, including its date, time, and place, will be published at least five (5) days in advance in The Worcester Telegram and Gazette.

NOTE: Notice of the public hearing, including its date, time and place will be posted in the Town Hall not less than forty-eight (48) hours in advance. All meetings take place remotely via Zoom until the end of the COVID state of emergency.

NOTE: You also may contact The Northborough Conservation Commission or the Department of Environmental Protection (DEP) Regional Office for more information about this application or the Wetlands Protection Act. To contact DEP call the Central Region Office at 508-792-7650.