

# **Notice of Intent**

**76 Hartwell Avenue  
Littleton, MA**

**May 2025**

**Submitted to:**  
Town of Littleton  
Conservation Commission  
37 Shattuck Street  
1<sup>st</sup> Floor, B100  
Littleton, MA 01460

**Applicant:**  
Marc Nathanson  
76 Hartwell Avenue  
Littleton, MA 01460

**Prepared by:**  
Goldsmith, Prest & Ringwall, Inc.  
39 Main Street, Suite 301  
Ayer, MA 01432







Civil Engineering • Land Planning • Land Surveying

Engineering Solutions  
for Land & Structures

May 12, 2025

Town of Littleton Conservation Commission  
c/o Tim Pearson, Conservation Agent  
37 Shattuck Street  
1st Floor, B100  
Littleton, MA 01460

Via: Hand Delivery and Email: [tpearson@littletonma.org](mailto:tpearson@littletonma.org)

Reference: Notice of Intent  
76 Hartwell Avenue  
Littleton, MA 01460

Dear Commissioners:

On behalf of the Applicant, Marc and Terri Nathanson, Goldsmith, Prest & Ringwall, Inc (GPR) is pleased to submit this Notice of Intent (NOI) for work within the 100-foot Buffer zone of the Bordering Vegetated Wetlands (BVW). The proposed work includes expansion and remodeling of the garage and widening of the driveway.

This NOI has been prepared in accordance with the Massachusetts Wetland Protection Act (MGL c.131 § 40) and its implementing Regulations (310 CMR 10.00) and the Littleton Wetlands Protection Bylaw and Regulations.

Enclosed are two complete copies of the NOI submission package, full-size Site Plans, and a check payable to the Town of Littleton: \$122.50 NOI filing fees required by the Wetland Protection Act and the Littleton Wetland Protection Regulations. An electronic copy of the application will also be submitted to the Conservation Commission via email.

As required, a copy of this filing has been provided to the Central Regional Office of the Department of Environmental Protection (MassDEP). A separate check for \$42.50 has been sent to the MassDEP Lock Box. In accordance with the Act and the Littleton Wetland Protection Regulations, abutters within 100 feet of the property have been notified via certified mail on the same date as this submission.

**Goldsmith, Prest & Ringwall, Inc.**

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39 Main Street, Suite 301, Ayer, MA 01432 • (978) 772-1590 • Fax (978) 772-1591  
[info@gpr-inc.com](mailto:info@gpr-inc.com) • [www.gpr-inc.com](http://www.gpr-inc.com)

For any questions or additional information, please contact us at (978) 772-1590 or by email at: bringwall@gpr-inc.com. Thank you for considering this Notice of Intent. We look forward to meeting with the Commission at the next public hearing.

Sincerely,

**Goldsmith, Prest & Ringwall, Inc**

A handwritten signature in black ink, appearing to read "B. D. Ringwall". The signature is fluid and cursive, with "B. D." on top and "Ringwall" below it, with a small "Prest" written underneath "Ringwall".

Bruce Ringwall, President

cc: MassDEP (CERO) Division of Wetlands and Waterways  
Via: Mail and Email: [cero\\_noi@mass.gov](mailto:cero_noi@mass.gov)  
Marc Nathanson Via Mail and Email: [marterr@aol.com](mailto:marterr@aol.com)

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## 1. Notice of Intent Forms

WPA Form 3 – Notice of Intent  
NOI Wetland Fee Transmittal Form





## 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  
& The Town of Littleton Wetland Protection Regulations

Provided by MassDEP:

MassDEP File Number

Document Transaction Number

Littleton

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):

76 Hartwell Avenue

a. Street Address

Latitude and Longitude:

R17

f. Assessors Map/Plat Number

Littleton

01460

b. City/Town

c. Zip Code

42°32'56.44"N

71°29'50.45"W

d. Latitude

e. Longitude

7-D

g. Parcel /Lot Number

2. Applicant:

Marc

a. First Name

Nathanson

b. Last Name

--

c. Organization

76 Hartwell Avenue

d. Street Address

Littleton

MA

01460

e. City/Town

f. State

g. Zip Code

978-501-1034

--

h. Phone Number

i. Fax Number

marterr@aol.com

j. Email Address

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

--

a. First Name

b. Last Name

--

c. Organization

--

d. Street Address

--

e. City/Town

--

f. State

--

g. Zip Code

--

h. Phone Number

--

i. Fax Number

--

j. Email address

4. Representative (if any):

Bruce

a. First Name

Ringwall

b. Last Name

Goldsmith, Prest & Ringwall, Inc.

c. Company

39 Main Street, Suite 301

d. Street Address

Ayer

MA

01432

e. City/Town

f. State

g. Zip Code

T978-772-1590

978-772-1591

h. Phone Number

i. Fax Number

BRingwall@gpr-inc.com

j. Email address

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

\$110.00

a. Total Fee Paid

\$42.50

b. State Fee Paid

\$67.50

c. City/Town Fee Paid



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### A. General Information (continued)

6. General Project Description:

The project proposes the construction of a garage addition within the 100-foot buffer limit.

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

- |   |   |
|---|---|
| 1. <input 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 checked="" 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 CMR 10.24(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:

Middlesex South Registry of Deeds

a. County

77763

c. Book

--

b. Certificate # (if registered land)

320

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.



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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	-- 2. square feet
e. <input type="checkbox"/> Isolated Land Subject to Flooding	-- 3. cubic feet of flood storage lost -- 1. square feet -- 2. cubic feet of flood storage lost	-- 4. cubic feet replaced -- 3. cubic feet replaced
f. <input type="checkbox"/> Riverfront Area	-- 1. Name of Waterway (if available) - <b>specify coastal or inland</b>	
2. Width of Riverfront Area (check one):		
<input type="checkbox"/> 25 ft. - Designated Densely Developed Areas only		
<input type="checkbox"/> 100 ft. - New agricultural projects only		
<input type="checkbox"/> 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?	<input type="checkbox"/> Yes <input type="checkbox"/> No	
6. Was the lot where the activity is proposed created prior to August 1, 1996?	<input type="checkbox"/> Yes <input type="checkbox"/> No	
3. <input type="checkbox"/> 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	
	--	
	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	--	2. cubic yards beach nourishment
	1. square feet	
e. <input type="checkbox"/> Coastal Dunes	--	2. cubic yards dune nourishment
	1. square feet	
<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	--	2. sq ft restoration, rehab., creation
	1. square feet	
i. <input type="checkbox"/> Land Under Salt Ponds	--	
	1. square feet	
	--	
j. <input type="checkbox"/> Land Containing Shellfish	2. cubic yards dredged	
	--	
	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. <input type="checkbox"/> 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 BVW	b. square feet of Salt Marsh
5. <input type="checkbox"/> 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](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

--  
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/ma-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 - Bourne to Rhode Island border, and  
the Cape & Islands:

North Shore - Plymouth 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](mailto: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](mailto: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).



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

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.

"Residential Development - Notice of Intent Site Plan for 76 Hartwell, Avenue, Littleton,

a. Plan Title	MA"	Limhuot Tiv, P.E.
Jonas A. A. Bellini		c. Signed and Stamped by
b. Prepared By		1" = 20'
--		e. Scale
d. Final Revision Date		May, 2025
--		g. Date
f. Additional Plan or Document Title		

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:

3217

2. Municipal Check Number

3218

4. State Check Number

GOLDMSITH, PREST & RINGWALL, INC.

6. Payor name on check: First Name

5/12/2025

3. Check date

5/12/2025

5. Check date

--

7. Payor name on check: Last Name



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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.



1. Signature of Applicant (GPR as Agent for Applicant)

5/12/2025

2. Date



3. Signature of Property Owner (if different)

4. Date



5. Signature of Representative (if any)

5/12/2025

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:

76 Hartwell Avenue

a. Street Address

3218

c. Check number

Littleton

b. City/Town

\$42.50

d. Fee amount

2. Applicant Mailing Address:

Marc

a. First Name

--

c. Organization

76 Hartwell Avenue

d. Mailing Address

Littleton

e. City/Town

978-501-1034

h. Phone Number

--

i. Fax Number

MA

f. State

01460

g. Zip Code

marterr@aol.com

j. Email Address

3. Property Owner (if different):

--

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

### 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.

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

---

**B. Fees (continued)**

## **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.)

## 2. Project Narrative

### 2.1. Project Summary

The property located at 76 Hartwell Ave, Littleton, MA (Assessor's Map R17, Parcel 7D) and is approximately  $42,012 \pm$  SF. It has 150 feet of frontage along Hartwell Ave and extends roughly  $280 \pm$  feet back from the road in a rectangular shape.

There is a Bordering Vegetated Wetland (BVW) located that starts in the middle of the lot and extends south- southeast along the swale. The existing dwelling pool and much of the landscaped yard falls within both the 100-foot and 50-foot no disturb wetland buffer limits.

The project involves the expansion of the existing garage to add an additional garage bay and extend the living space above. All of the proposed work is outside of the 50-buffer zone and within existing hardscapes and landscaped portions of the yard.

### 2.2. Wetland Resource Areas

The on-site resource area is the BVW associated with a swale east of the hill behind the property. A portion of the swale was piped and buried many years ago.

The BVW was delineated by Matthew S. Marrow Environmental Consulting . Wetland flags series WF-1 to WF-6 on May 7, 2025. Flags were located by on-the ground survey by GPR Inc. on March 12, 2025.

#### 2.2.1. Activities within Bordering Vegetated Wetlands (BVW) 100-Foot Wetland Buffer Limit

The Project does not propose any expansion of structures or impervious areas within the 50 FT No Disturb Buffer Limit.

The garage and living space above will add  $420 \pm$  SF of impervious surface in the outer portion of the 100-foot buffer zone. The area of disturbance has all been previously disturbed with both hard landscape surfaces and plantings.

Erosion and sediment control barriers are proposed to prevent the migration of construction related sediment into the into the 50-foot buffer zone. This request aligns with the interests of the Wetlands Protection Act and the local bylaw.

## 2.3. Protective Measures

The following is a discussion of the relationship of the Project to the interests of the Act as defined by 310 CMR 10.01(2):

### 2.3.1. Protection of Public and Private Water Supply and Protection of Ground Water Supply

The public and private water supply and groundwater supply protection interests of the Act and Bylaw will be upheld. The Project Site is not located within recharge areas for public water supplies as defined in 310 CMR 22.02 (Zone Is, Zone IIs and Interim Wellhead Protection Areas for groundwater sources and Zone As for surface water sources).

### 2.3.2. Flood Control and Storm Damage Prevention

The flood control and storm damage prevention interests of the Act and Bylaw will be maintained. The Flood Insurance Rate Map (Appendix A FIRMETTE) indicates that the project is outside all FEMA-designated flood zones.

The project entails the construction of a dwelling addition but does not include stormwater discharge to a critical area. Per 310 CMR 10.05(6)(l.)2 the 2008 MassDEP Stormwater Handbook standards shall not apply to housing development and redevelopment projects comprised of detached single-family dwellings on four or fewer lots, provided that there are no stormwater discharges that may potentially affect a critical area.

### 2.3.3. Prevention of Pollution

The pollution interests of the Act and Bylaw will be upheld. The Project has been designed to reduce the overall scope of work within undisturbed Buffer Limits attendant to the BVWs. Additionally, sedimentation control barriers will be installed prior to construction as depicted on the Site Plan and will be maintained in working order throughout the duration of the Project.

### 2.3.4. Protection of Land Containing Shellfish, Fisheries and Wildlife Habitat

The Project site is not within the jurisdiction of an Area of Environmental Concern (ACEC) nor any Natural Heritage and Endangered Species Program's (NHESP) Priority Habitat of Rare Species and Estimated Habitat of Rare Wildlife.

The fisheries and shellfisheries interests of the Act and Bylaw will be upheld. There are no certified vernal pools, fisheries, or shellfish growing areas on-site. The Site is not within any Outstanding Resource Waters (ORW) as well.

Refer to the Assessor's Map and MassMapper in Appendix A for graphical representation of areas of interest to (MGL c.131 § 40) and implementing Regulations (310 CMR 10.00).

## 2.4. Conclusion

The Applicant seeks approval from the Littleton Conservation Commission to construct the Project. Planned activities will be limited to work within the 100 FT Wetland Buffer Limits to the BVW and are anticipated to have no negative impacts on resource areas. The Applicant respectfully requests the issuance of an Order of Conditions for this work.



### 3. Sequence of Construction





Civil Engineering • Land Planning • Land Surveying

## Sequence of Construction for 76 Hartwell Avenue, Littleton, MA

**For all phases construction shall generally be sequenced:**

1. Stake limit of construction. Inform workers that no activity is allowed beyond the limit.
2. Clear vegetation and leave wood chips for stabilization.
3. Install and maintain temporary erosion and sediment controls.
4. Grade site. Strip and stockpile topsoil stripping.
5. Construct temporary concrete washout areas.
6. Prepare pavement subgrade.
7. Construct garage and pave.
8. Stabilize areas where construction will cease for more than 7 days.
19. Remove sediment controls and stabilize areas: seed, landscape and monitor.

**Goldsmith, Prest & Ringwall, Inc.**

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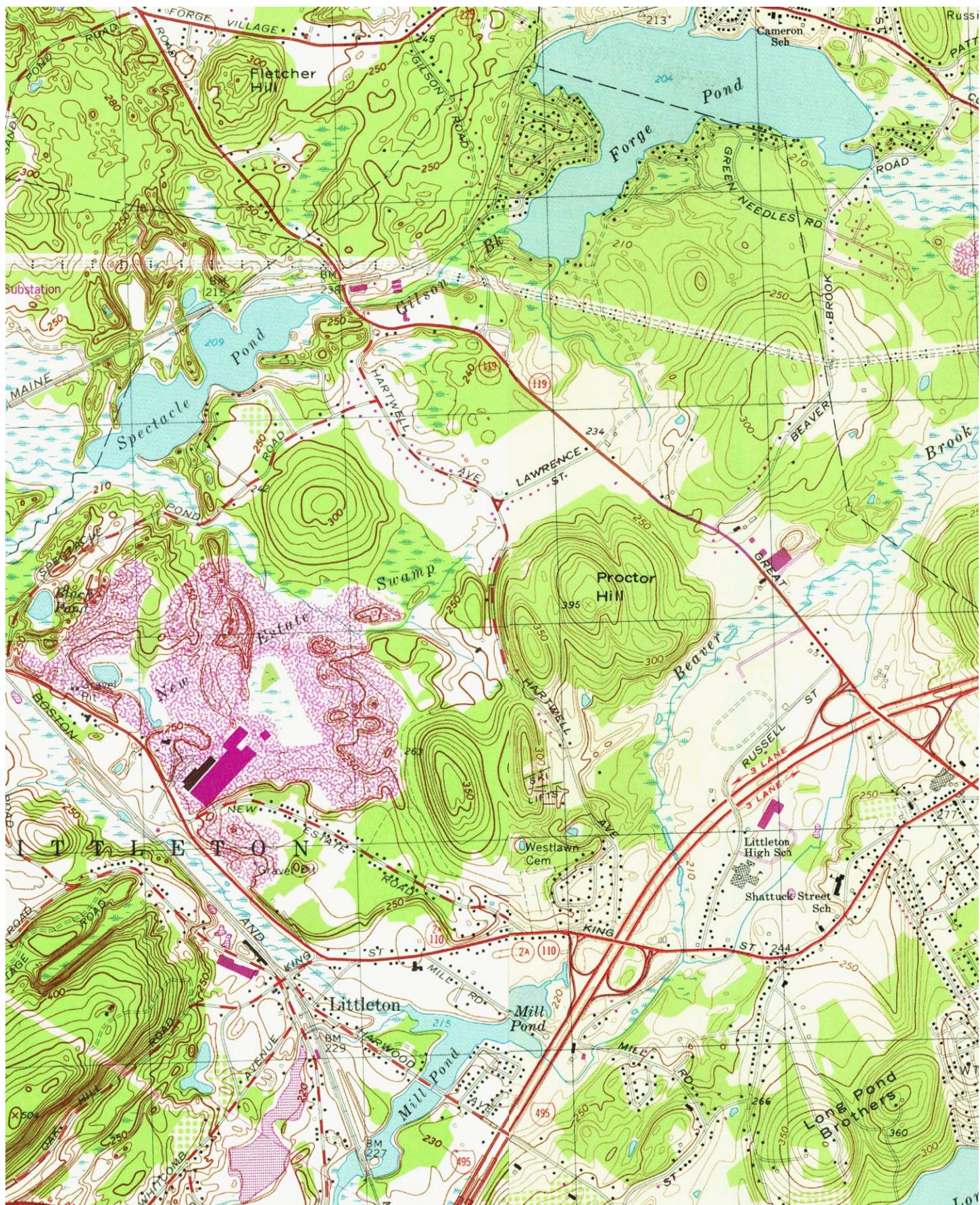
39 Main Street, Suite 301, Ayer, MA 01432 • (978) 772-1590 • Fax (978) 772-1591  
info@gpr-inc.com • www.gpr-inc.com



## Appendix A: Exhibits

- USGS Locus Maps (1" = 2000')
- USGS Locus Maps (1" = 1000')
- Aerial Assessor's Locus Map
- MassMapper Areas of Regulation
- FEMA Firmette





Mercator Projection

WGS84

UTM Zone 19T

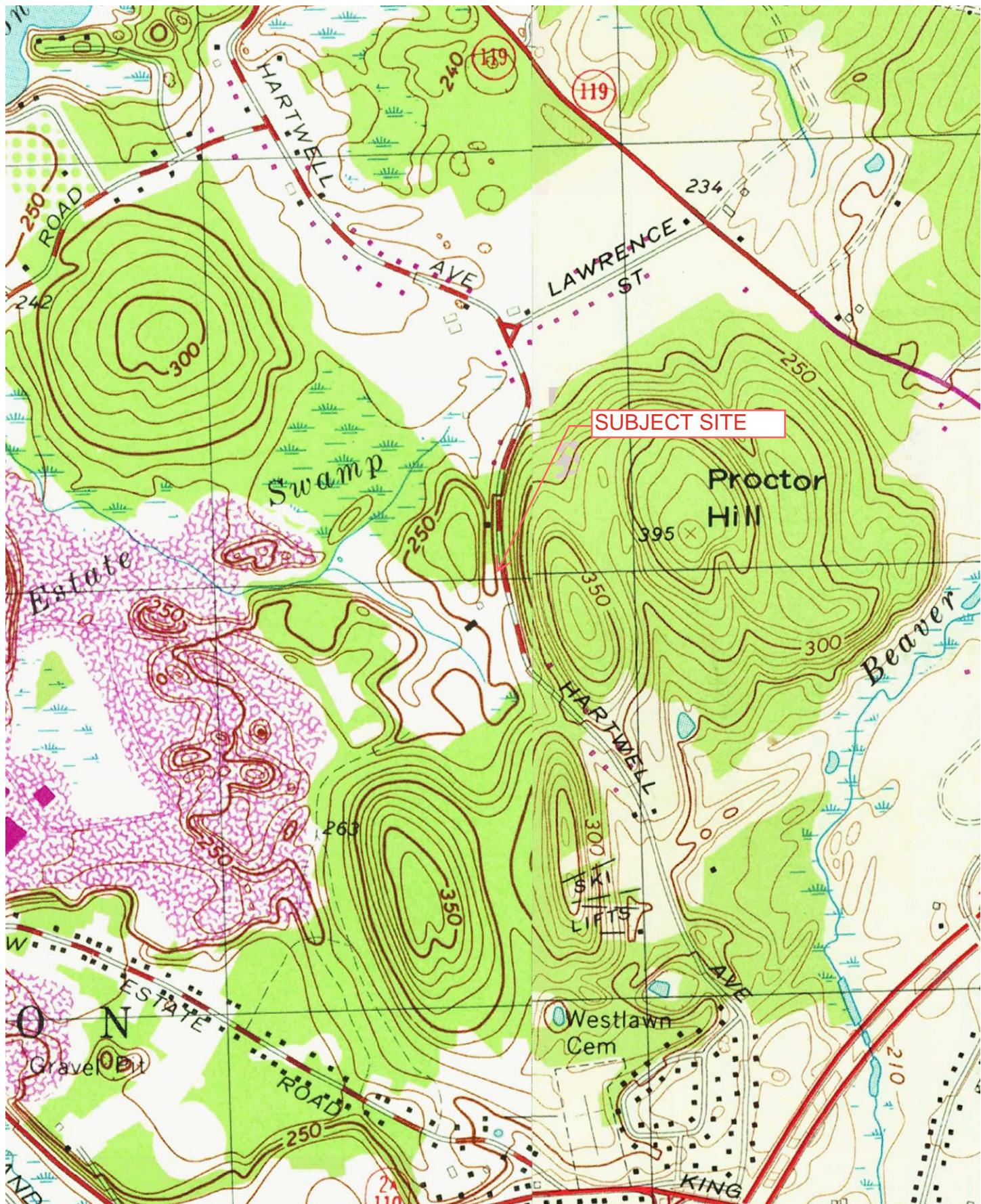
 CALTOPO

0.5 1.0 1.5 2.0 2.5 km

0.5 1.0 1.5 mi

Scale 1:24000 1 inch = 2000 feet





Mercator Projection

WGS84

UTM Zone 19T

 CALTOPO

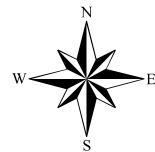
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4k

0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4k

Scale 1:12000 1 inch = 1000 feet



N  
MN -13.9°



# 76 HARTWELL AVENUE

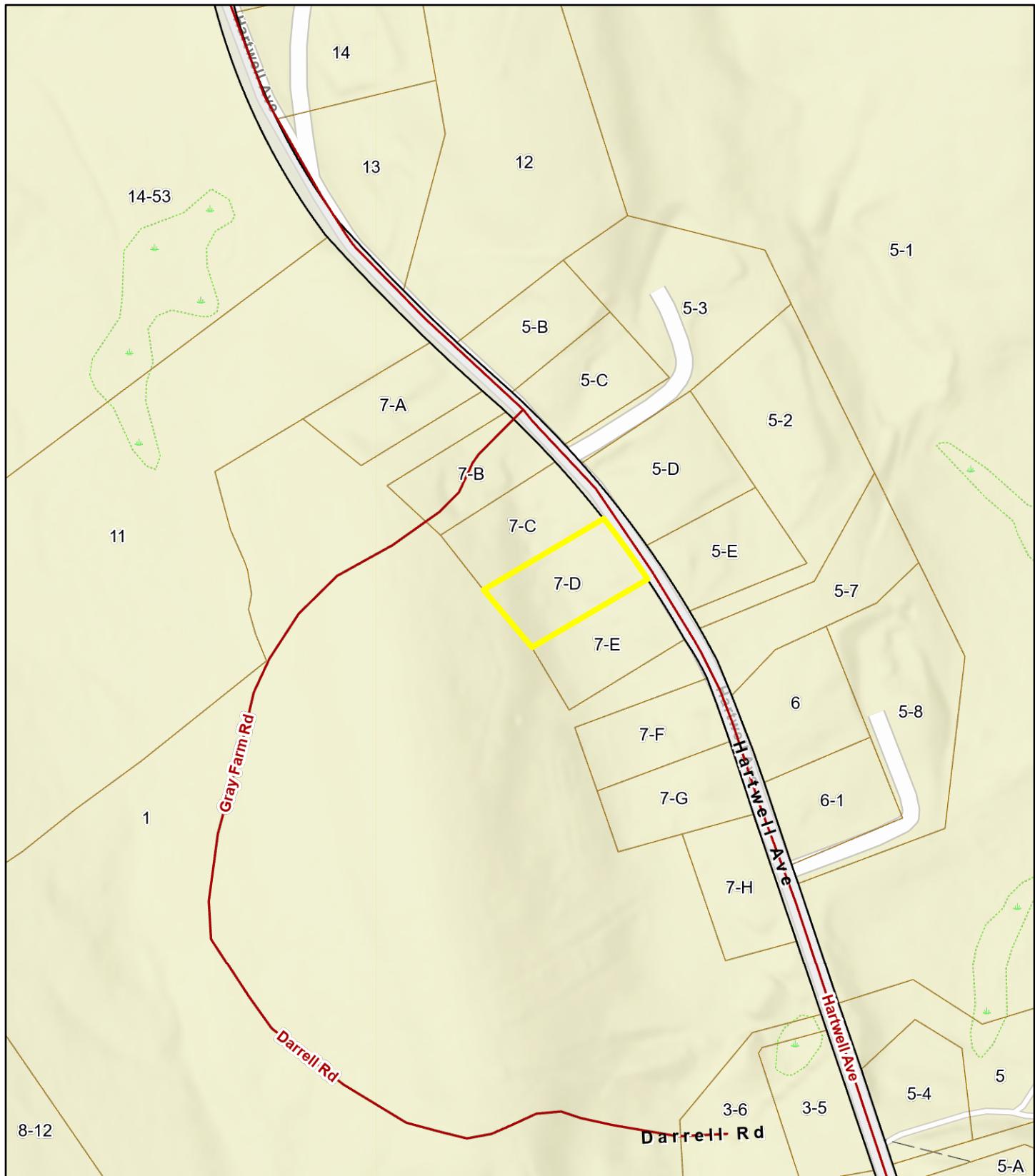
Littleton, MA

1 inch = 278 Feet



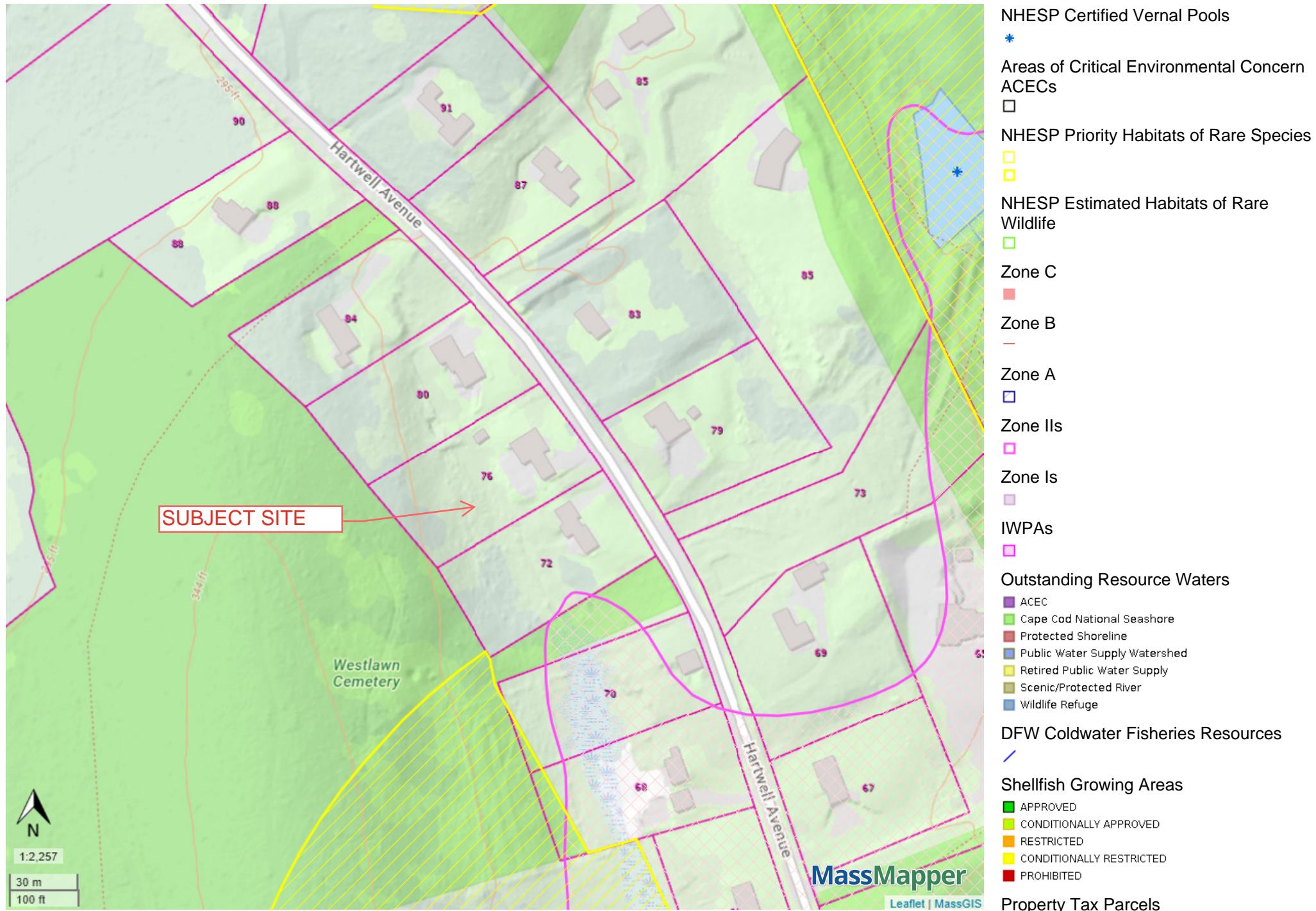
May 12, 2025

0 278 556 834



Data shown on this map is provided for planning and informational purposes only. The municipality and CAI Technologies are not responsible for any use for other purposes or misuse or misrepresentation of this map.

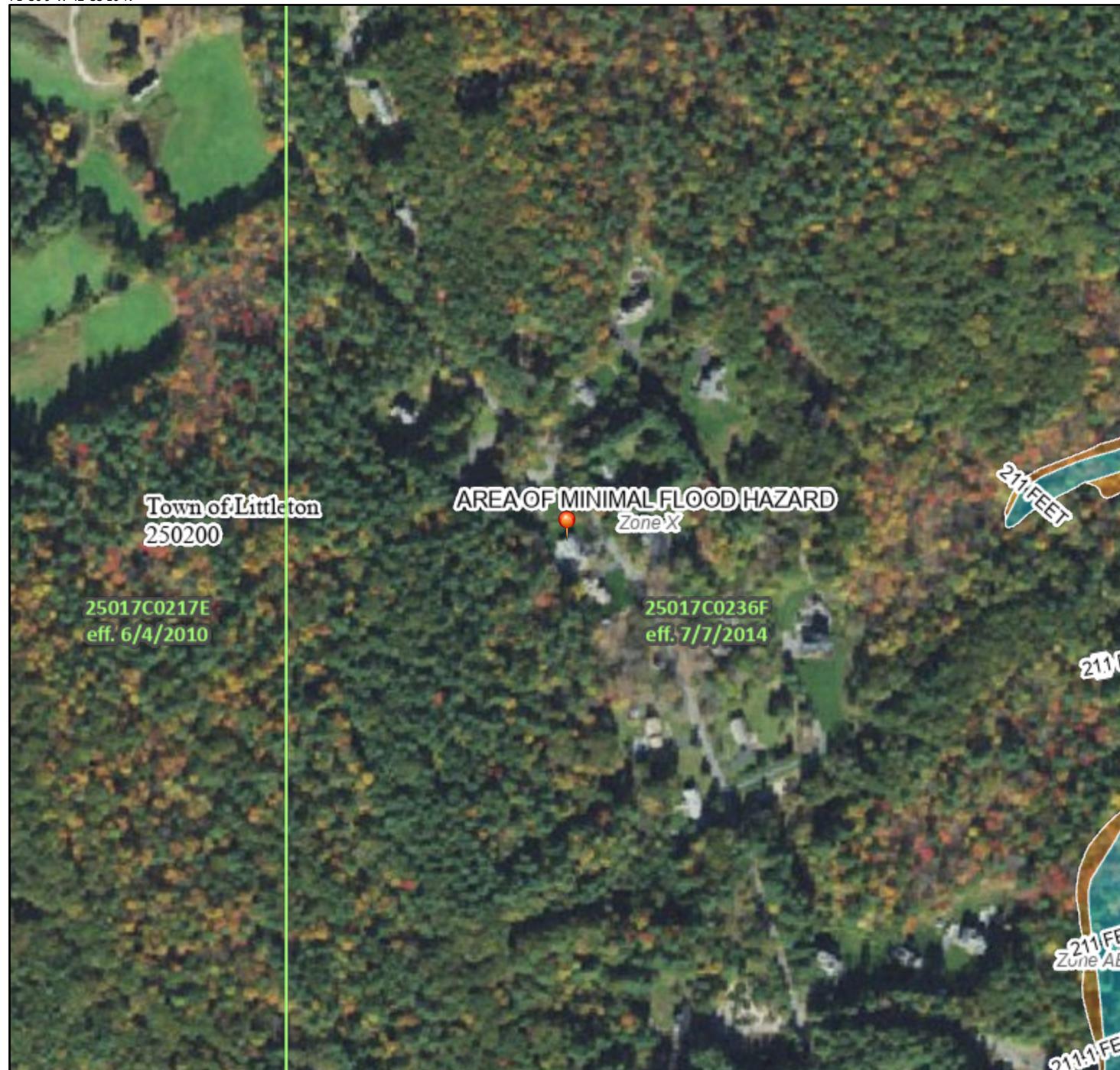
# Conservation Constraints



# National Flood Hazard Layer FIRMette



71°30'9"W 42°33'10"N



## Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

### SPECIAL FLOOD HAZARD AREAS

- Without Base Flood Elevation (BFE)  
Zone A, V, A99
- With BFE or Depth Zone AE, AO, AH, VE, AR
- Regulatory Floodway

- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X

- Future Conditions 1% Annual Chance Flood Hazard Zone X
- Area with Reduced Flood Risk due to Levee. See Notes. Zone X
- Area with Flood Risk due to Levee Zone D

### OTHER AREAS OF FLOOD HAZARD

- NO SCREEN Area of Minimal Flood Hazard Zone X
- Effective LOMRs

### OTHER AREAS

- Area of Undetermined Flood Hazard Zone D

### GENERAL STRUCTURES

- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

- 20.2 Cross Sections with 1% Annual Chance
- 17.5 Water Surface Elevation

- 8 Coastal Transect
- 513 Base Flood Elevation Line (BFE)

- Limit of Study
- Jurisdiction Boundary

- Coastal Transect Baseline
- Profile Baseline

- Hydrographic Feature

### OTHER FEATURES

- Digital Data Available
- No Digital Data Available
- Unmapped



71°29'32"W 42°32'43"N

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 5/8/2025 at 6:34 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.



## Appendix B: Abutter Notification Information

Certified List of Abutters

Abutter Notification Form

Affidavit of Services



**TOWN OF LITTLETON  
BOARD OF ASSESSORS**

P.O. BOX 1305  
LITTLETON, MA 01460  
(978) 540-2410  
FAX: (978) 952-2321

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

Re: Certified List of Abutters Conservation Commission

Applicant: \_\_\_\_\_

Name of Firm: \_\_\_\_\_

Mailing Address: \_\_\_\_\_

**Subject Parcel Location:** \_\_\_\_\_

**Subject Parcel No.:** \_\_\_\_\_

**Subject Owner Name:** \_\_\_\_\_

M.G.L. Chapter 131: Section 40 ..... "Any person filing a notice of intention with a conservation commission shall at the same time give written notification thereof, by delivery in hand or certified mail, return receipt requested, to all abutters within one hundred feet of the property line of the land where the activity is proposed, but not limited to, owners of land directly opposite said proposed activity on any public or private street or way, and in another municipality or across a body of water. When a notice of intent proposes activities on land under water bodies and waterways or on a tract of land greater than 50 acres, written notification shall be given to all abutters within 100 feet of the proposed project site. For the purposes of this action, "project site" shall mean lands where the following activities are proposed to take place: dredging, excavating, filling, grading, the erection, reconstruction or expansion of a building or structure, the driving of pilings, the construction or improvement of roads or other ways and the installation of drainage, sewerage and water systems, and "land under water bodies and waterways" shall mean the bottom of, or land under, the surface of the ocean or an estuary, creek, river stream, pond or lake. When a notice of intent proposes activity on a linear shaped project site longer than 1,000 feet in length, notification shall be given to all abutters within 1,000 feet of the proposed project site. If the linear project site takes place wholly within an easement through another person's land, notice shall also be given to the landowner. Said notification shall be at the applicant's expense, and shall state where copies of the notice of intention may be examined and obtained and where information regarding the date, time and place of the public hearing may be obtained. Proof of such notification, with a copy of the notice mailed or delivered, shall be filed with the conservation commission." .....

**I hereby certify the attached list of abutter (s) as stated in the M.G.L. Chapter 131, Section 40.**

Number of Abutter(s) \_\_\_\_\_ including the subject parcels \_\_\_\_\_ Applicant Requesting Abutter's List.

**Certified by:**

Name: \_\_\_\_\_

Title: \_\_\_\_\_

83 HARTWELL AV R175 D

LUC: 101

BILLINGHAM MARC W

BILLINGHAM KAREN J

83 HARTWELL AV

LITTLETON, MA 01460

79 HARTWELL AV R175 E

LUC: 101

BRUTTO DAVID C

79 HARTWELL AVE

LITTLETON, MA 01460

80 HARTWELL AV R177 C

LUC: 101

GRECO PAULA

80 HARTWELL AVE

LITTLETON, MA 01460

76 HARTWELL AV R177 D

LUC: 101

MARC R AND TERRI J NATHANSON F

NATHANSON MARC R, TRUSTEE

76 HARTWELL AV

LITTLETON, MA 01460

72 HARTWELL AV R177 E

LUC: 101

GARSTKA, JOHN A

GARSTKA, MARSHA L

72 HARTWELL AV

LITTLETON, MA 01460

7 NEW ESTATE RD U3710

LUC: 931

LITTLETON TOWN OF

CEMETERY DEPT

P.O. BOX 1305

LITTLETON, MA 01460



## NOTIFICATION TO ABUTTERS

Pick one:

- Notice of Intent/Abbreviated NOI**
- Abbreviated Notice of Resource Area Delineation**
- Request for Determination of Applicability**
- Request to Amend an Order of Conditions (MADEP File # 204 \_\_\_\_\_)**

### Modification for Virtual Meetings

*Under MA Wetlands Protection Act and Littleton Wetlands Protection ByLaw (Chapter 171), this form must be completed and mailed, certified mail return receipt requested, to all abutters at their mailing addresses shown on the most recent Town Assessor's records as well as the owner (if not applicant).*

In accordance with the MA Wetlands Protection Act and Littleton Wetlands Protection ByLaw Chapter 171-2D, you are hereby notified of a public hearing on the matter described below:

- A. The applicant has filed a permit application with the Littleton Conservation Commission for work in an area subject to protection under the Massachusetts Wetlands Protection Act and Littleton Wetlands Protection ByLaw.
- B. The name of the applicant is Marc Nathanson
- C. The address of the land where the activity is proposed is 76 Hartwell Avenue, Littleton, MA
- D. The work proposed is Construction of a garage addition, expansion of paved driveway, and construction of replacement paved walkway.
- E. Copies of the filing may be examined at the Conservation Commission office at 37 Shattuck Street Monday through Thursday; 9:00 – 1:00 (please call first to ensure the Conservation Agent is available and not out on site visits). The office phone number is 978-540-2428.
- F. Copies of the filing may be obtained electronically from (check one) the \_\_\_\_\_ applicant or  the applicant's representative by calling 978 - 772 - 1590 during the following times: 9:00am - 5:00pm, Monday - Friday

- G. The public hearing/meeting will be held on TBD. Information regarding the date and time of the public hearing/meeting may be obtained from the Littleton Conservation Commission (see contact info at the end of this notice).
- H. Notice of the public hearing/meeting, including date and time will be published at least five business days in advance in a paper of local circulation. The agenda, noting times will be posted at Town Hall and at <https://ma-littleton.civicplus.com/AgendaCenter/Search/?term=&CIDs=13,&startDate=&endDate=&dateRange=&dateSelector=> at least 48 hours in advance of the meeting. It is currently anticipated that this meeting will be held entirely remotely, pursuant to “An Act Relative to Extending Certain State of Emergency Accommodations” (July 16, 2022) and the extension of that Act through March 21, 2025. If the meeting is held remotely, instructions for remote viewing of, and participation in, the meeting will be included in the agenda and may also be obtained from the Littleton Conservation Commission.

You may contact the Littleton Conservation Commission staff ([Conservation@littletonma.org](mailto:Conservation@littletonma.org); 978-540-2428), or the Massachusetts Department of Environmental Protection/ Central Region (508-792-7650) at 8 New Bond Street, Worcester, MA 01606 for information about this application

## AFFIDAVIT OF SERVICE

*Under Massachusetts Wetlands Protection Act and the Littleton Wetlands Protection ByLaw (Chapter 171), this form must be completed and submitted with the Notice of Intent, Abbreviated Notice of Resource Area Delineation or Request for Determination of Applicability.*

I, Jonas Bellini (Goldsmith, Prest & Ringwall, Inc.) (name of applicant or representative) certify under the pains and penalties of perjury that on 5/12/2025 (date) I gave notification to abutters in compliance with the second paragraph of the Massachusetts General Laws Chapter 131, Section 40, DEP requirements for Abutter Notification and with the Littleton Wetlands ByLaw 171-2.D in connection with the following matter:

A (choose one of below)

- Abbreviated Notice of Resource Area Delineation
- Request for Determination of Applicability
- Notice of Intent / Abbreviated Notice of Intent
- Request for Amended Order of Conditions (MADEP File # 204-\_\_\_\_\_)

has been filed under the Massachusetts Wetlands Protection Act and Littleton Wetlands Protection ByLaw by Marc Nathanson (name of applicant) with the Littleton Conservation Commission on 5/12/2025 (date) for the property located at 76 Hartwell Avenue, Littleton, MA (address of land where work is proposed).

The list of abutters with their addresses and a copy of the Notification Abutter form as sent to the abutters is attached to this Affidavit of Service.



Name

5/12/2025

Date



## Appendix C: Letter of Agent Authorization



May 8, 2025

**Subject: 76 Hartwell Avenue, Littleton MA**  
**Assessor Map R17, Parcel 7-D**

**To Whom It May Concern:**

I hereby authorize Goldsmith, Prest & Ringwall, Inc., 39 Main Street, Suite 301, Ayer, MA, 978.772.1590, to act as my agent in administrative and civil engineering matters pertaining to the proposed project at the subject site. This authorization covers the execution of application forms, presentation of plans and designs, and communication with involved parties.

Respectfully,



Marc Nathanson  
76 Hartwell Avenue  
Littleton, MA 01460

**Copy:** Goldsmith, Prest & Ringwall, Inc.  
File # 251011



## Appendix D: Wetland Field Data Forms



## Appendix E: Site Plans

Included Under Separate Cover:

- “Residential Development – Notice of Intent Site Plan for 76 Hartwell Avenue, Littleton, MA” Prepared for Marc Nathanson by Goldsmith, Prest & Ringwall, Inc. Dated May 2025.

## MATTHEW S. MARRO ENVIRONMENTAL CONSULTING

---

45 Lisa Drive  
Leominster, Ma  
Phone (978) 314-7858  
Fax (888) 435-5999  
[www.marro-consulting.com](http://www.marro-consulting.com)

# Wetland Delineation Report

76 Hartwell Ave, Littleton MA

Matthew S. Marro | May 12, 2025

# MATTHEW S. MARRO ENVIRONMENTAL CONSULTING

---

45 Lisa Drive  
Leominster, Ma  
Phone (978) 314-7858  
Fax (888) 435-5999  
[www.marro-consulting.com](http://www.marro-consulting.com)

On March 7, 2025 Matthew S. Marro Environmental Consulting Completed a delineation at 76 Hartwell Avenue, Littleton, MA in accordance with MA DEP policy 95-1 and the Massachusetts Handbook for Delineation of Bordering Vegetated Wetlands (BVW's) Second Edition, September 2022. (The delineation was completed prior to the updated publication, however the methodology used was the same.) The results of the delineation and further detail on methodology are outlined in the subsequent sections of this report. Please note the delineation occurred during the onset of the 2024 to 2025 drought. There was little to no snow on the ground.

The lot in question is a 0.96-acre partially developed residential lot.<sup>1</sup> The lot has a bordering vegetated wetland that is bisecting the property at the mid section of the property. Soils in this area were sampled and are outlined in the enclosed datum sheets. This wetland system is a bordering vegetated wetland (BVW) system bordering an intermittent stream.

## **Defined wetland edge:**

Matthew S. Marro Environmental Consulting completed an in the field delineation of the bordering vegetated wetland resource. The flagging was completed with a series WF 1 to WF 6 consisting of pink flagging material with the words "wetland delineation" imprinted on the flagging material.

The following on page 2 outlines the mix of vegetation that was noted on the site:

(note: The flags by MEC were placed in the boundaries exhibiting subtle transition indicators which utilized soils for confirmation and a typical sample transect data sheet is enclosed with this report outlining a section of BVW that used soils in the analysis.)

---

<sup>1</sup> As per mass GIS 2025

Botanical Name	Common Name	Wetland Indicator Status <sup>i</sup>	Stratum layer
<i>Onoclea sensibilis</i>	Sensitive Fern	FACW	Herbaceous
<i>Osmundastrum cinnamomeum</i>	Cinnamon Fern	FACW	Herbaceous
<i>Carex Stricta</i>	Upright Sedge	OBL	Herbaceous
<i>Lycopodium obscurum</i>	Princess Pine	FACU	Herbaceous
<i>Alliaria petiolata</i>	Garlic Mustard	FACU	Herbaceous

## Environmental Attributes

### Mass GIS Overlay Evaluation:<sup>ii</sup>

Examination of the lot on the Commonwealth's MassGIS database revealed the following:

1. The lot is not within a priority and estimated habitat.
2. The lot is not within the limits of an ACEC.
3. There is no portion of the lot within the floodplain as noted in the enclosed FEMA FIRMette.
4. There are no certified vernal pools nor potential vernal pools that are located on the subject lot. The wetland on the property contains no attributes of such.
5. The USGS reveals there is no riverfront on this lot.

Thank you for the opportunity to participate in protecting our natural resources.

Sincerely,



Matthew S. Marro, PWS, PWTPO, CSI

Principal Consultant



Methodology:

The wetland, delineated by DEP policy 95-1, utilized the analysis of plants that had a 50% or greater dominance at the edge of the wetland as well as meeting the required ratio for the prevalence test. Hydrology (water, the presence of flow via sheet flow or channelized) and soils analysis as outlined in the summary section above. Below, on Page 5, is an insert provided by the USDA soils evaluation manual. Please note, for purposes of this delineation, the use of the A/B (surface/subsoil) layer is deemed sufficient within standard practice.

	<p>O) <b>Organic surface layer:</b> Plant <u>litter</u> layer, the upper part often relatively undecomposed, but the lower part may be strongly humified.</p>
<p><b>Horizons</b></p> <p>O (Organic)</p> <p>A (Surface)</p> <p>B (Subsoil)</p> <p>C (Substratum)</p> <p>R (Bedrock)</p>	<p>A) <b>Surface soil:</b> Layer of mineral soil with most <u>organic matter</u> accumulation and <u>soil life</u>. Additionally, due to <u>weathering</u>, <u>oxides</u> (mainly iron oxides) and <u>clay</u> minerals are formed and accumulated. It has a pronounced soil structure. But in some soils, clay minerals, <u>iron</u>, <u>aluminum</u>, organic compounds, and other constituents are soluble and move downwards. When this <u>eluviation</u> is pronounced, a lighter coloured E subsurface soil horizon is apparent at the base of the A horizon. The A horizon may also be the result of a combination of soil <u>bioturbation</u> and surface processes that winnow fine particles from biologically mounded <u>topsoil</u>. In this case, the A horizon is regarded as a "biomantle".</p>
	<p>B) <b>Subsoil:</b> This layer has normally less organic matter than the A horizon, so its colour is mainly derived from iron oxides. Iron oxides and clay minerals accumulate as a result of weathering. In soil, where substances move down from the topsoil, this is the layer where they accumulate. The process of accumulation of clay minerals, iron, aluminum, and organic compounds, is referred to as <u>illuviation</u>. The B horizon has generally a soil structure.</p>
	<p>C) <b>Substratum:</b> Layer of non-indurated poorly weathered or unweathered rocks. This layer may accumulate more soluble compounds like <math>\text{CaCO}_3</math>. Soils formed <i>in situ</i> from non-indurated material exhibit similarities to this C layer.</p>
	<p>R) <b>Bedrock:</b> R horizons denote the layer of partially weathered or unweathered bedrock at the base of the soil profile. Unlike the above layers, R horizons largely comprise continuous masses (as opposed to boulders) of hard rock that cannot be excavated by hand. Soils formed <i>in situ</i> from bedrock will exhibit strong similarities to this bedrock layer.</p>

<sup>i</sup> OBL= Obligate. FAC= Facultative. UPL = Upland

Notation: FACW = Facultative wetland species

<sup>ii</sup> Per Mass GIS online, April 2025

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## EXHIBITS MASS GIS OVERLAY AND USGS LOCUS

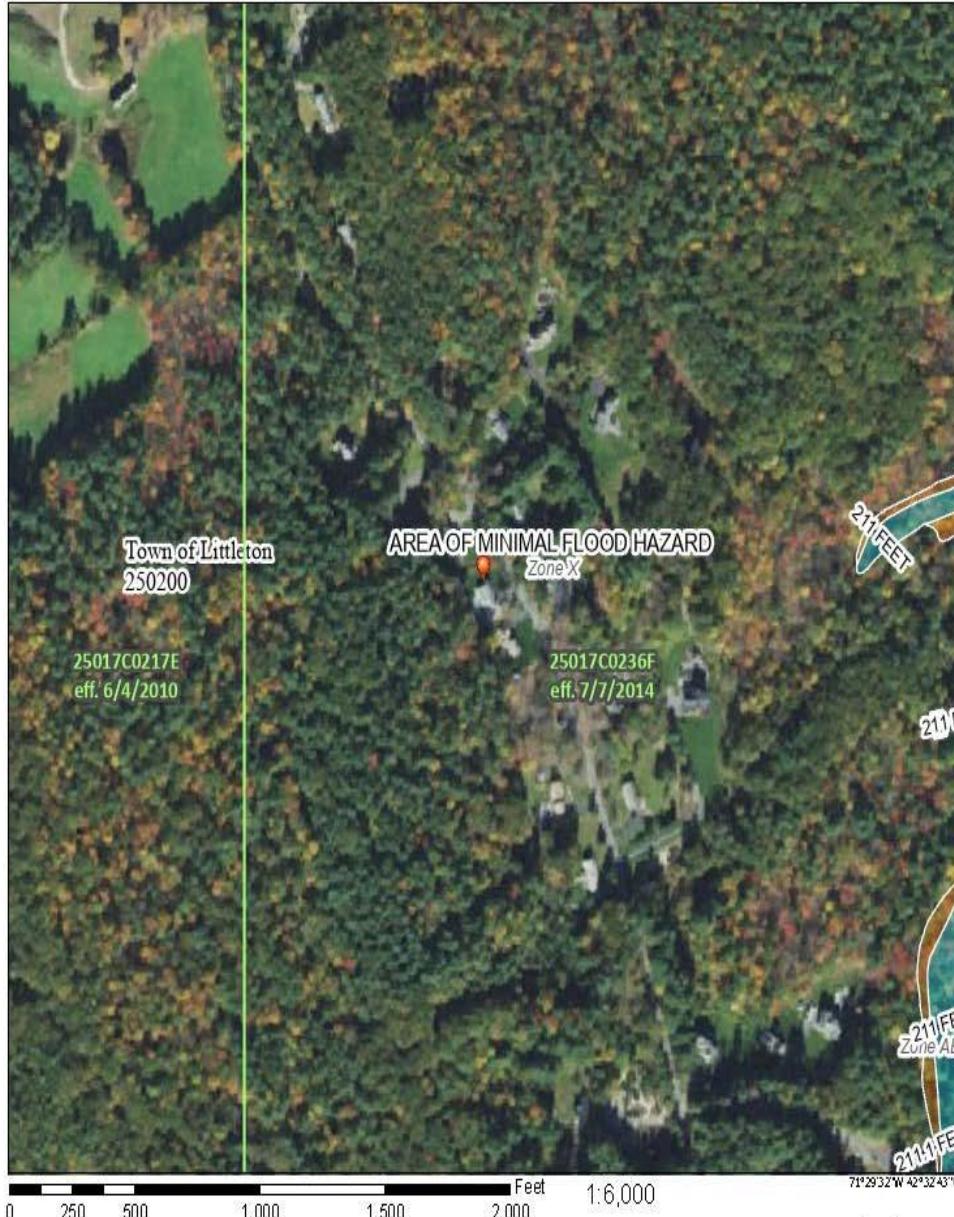
### 76 Hartwell Avenue



# National Flood Hazard Layer FIRMette



71°30'9"W 42°33'10"N



## Legend

SEE FIR REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

Without Base Flood Elevation (BFE)	Zone A, V, A90
With BFE or Depth	Zone AE, A9, A9, VE, AR
	Regulatory Floodway
0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or drainage areas of less than one square mile	Zone X
Future Conditions 1% Annual Chance Flood Hazard	Zone X
Area with Reduced Flood Risk due to Levee See Notes	Zone X
Area with Flood Risk due to Levee	Zone D
NO SCREEN	Area of Minimal Flood Hazard Zone X
Effective LOMRs	
	Area of Undetermined Flood Hazard Zone D
GENERAL STRUCTURES	Channel, Culvert, or Storm Sewer
	Levee, Dike, or Floodwall
20.2	Cross Sections with 1% Annual Chance
17.5	Water Surface Elevation
4	Coastal Transect
11.5	Base Flood Elevation Line (BFE)
Limit of Study	
Jurisdiction Boundary	
Coastal Transect Baseline	
Profile Baseline	
Hydrographic Feature	
Digital Data Available	
No Digital Data Available	
Unmapped	

## MAP PANELS

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards.

The flood hazard information is derived directly from the authoritative NFH web services provided by FEMA. This map was exported on 5/13/2025 at 1:107 AM and does not reflect changes or amendments subsequent to this date and time. The NFH and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRMS panel number, and FIRMS effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

Basemap Imagery Source: USGS National Map 2023



U.S. Fish and Wildlife Service  
National Wetlands Inventory

76 Hartwell Avenue

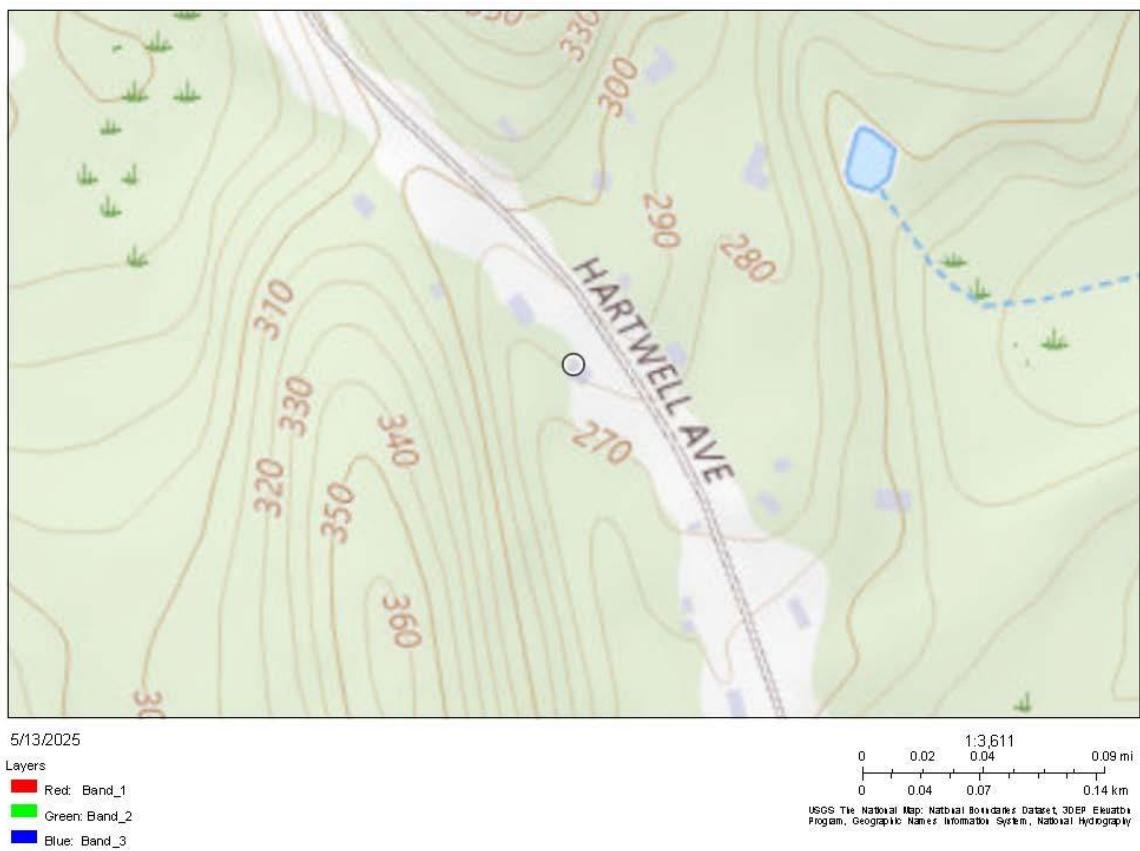


May 13, 2025

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.  
U.S. Fish and Wildlife Service National Wetlands Inventory Team  
wetlands-team@fws.gov

National Wetlands Inventory (NWI)  
This page was produced by the NWI mapper

76 Hartwell Ave



## TRANSECT SHEETS

**Please note that the following sample transects illustrate a portion of the delineation representative of the community as a whole. A sample is included to illustrate the basic technique utilized on the delineation. A field evaluation is always recommended.**

## WETLAND DETERMINATION FIELD DATA FORM

Project/Site: 76 Hartwell Ave City/County: Littleton/Middlesex Sampling Date: 3.7.2025  
 Applicant/Owner: Goldsmith Prest and Ringwall State: Ma Sampling Point: 2 Wet  
 Investigator(s): Matthew Marro Section, Township, Range: Littleton  
 Landform (hillslope, terrace, etc.): mild slope Local relief (concave, convex, none): concave Slope (%): 2  
 Subregion (LRR or MLRA):  Lat: 42.54884 Long: -71.49791 Datum:   
 Soil Map Unit Name: Quonset NWI classification: Local Isolated...N/A  
 Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No        (If no, explain in Remarks.)  
 Are Vegetation       , Soil       , or Hydrology        significantly disturbed? Are "Normal Circumstances" present? Yes        No ✓  
 Are Vegetation       , Soil       , or Hydrology        naturally problematic? (If needed, explain any answers in Remarks.)

### SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes <u>✓</u> No <u>      </u> Hydric Soil Present? Yes <u>✓</u> No <u>      </u> Wetland Hydrology Present? Yes <u>✓</u> No <u>      </u>	Is the Sampled Area within a Wetland? Yes <u>✓</u> No <u>      </u>
Remarks: <b>Between flags 3 through flags 6- drought status</b>	

### HYDROLOGY

<b>Wetland Hydrology Indicators:</b>		<u>Secondary Indicators (minimum of two required)</u>
Primary Indicators (minimum of one is required; check all that apply)		
_____ Surface Water (A1) _____ Aquatic Fauna (B13) ✓ High Water Table (A2) _____ Marl Deposits (B15) (LRR U) ✓ Saturation (A3) _____ Hydrogen Sulfide Odor (C1) ✓ Water Marks (B1) _____ Oxidized Rhizospheres along Living Roots (C3) ✓ Sediment Deposits (B2) _____ Presence of Reduced Iron (C4) _____ Drift Deposits (B3) _____ Recent Iron Reduction in Tilled Soils (C6) _____ Algal Mat or Crust (B4) _____ Thin Muck Surface (C7) _____ Iron Deposits (B5) _____ Other (Explain in Remarks)		
_____ Surface Soil Cracks (B6) _____ Sparsely Vegetated Concave Surface (B8) _____ Drainage Patterns (B10) _____ Moss Trim Lines (B16) _____ Dry-Season Water Table (C2) _____ Crayfish Burrows (C8) _____ Saturation Visible on Aerial Imagery (C9) _____ Geomorphic Position (D2) _____ Shallow Aquitard (D3) _____ FAC-Neutral Test (D5) ✓ Sphagnum moss (D8) (LRR T, U)		

<b>Field Observations:</b>		Wetland Hydrology Present? Yes <u>✓</u> No <u>      </u>
Surface Water Present? Yes <u>      </u> No <u>      </u> Depth (inches): <u>      </u> Water Table Present? Yes <u>✓</u> No <u>      </u> Depth (inches): <u>6</u> Saturation Present? Yes <u>✓</u> No <u>      </u> Depth (inches): <u>6</u> (includes capillary fringe)		Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks: <b>No overstory..area is the part of yard area around stream</b>	
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**VEGETATION (Five Strata)** – Use scientific names of plants.

Sampling Point: 2 Wet

<u>Tree Stratum</u> (Plot size: 30 foot radii 75 foot rect. )				Absolute % Cover	Dominant Species?	Indicator Status	<b>Dominance Test worksheet:</b> Number of Dominant Species That Are OBL, FACW, or FAC: 3 (A)  Total Number of Dominant Species Across All Strata: 5 (B)  Percent of Dominant Species That Are OBL, FACW, or FAC: 60 (A/B)		
1.	_____	_____	_____	0	= Total Cover				
2.	_____	_____	_____						
3.	_____	_____	_____						
4.	_____	_____	_____						
5.	_____	_____	_____						
6.	_____	_____	_____						
50% of total cover: _____ 20% of total cover: _____									
<u>Sapling Stratum</u> (Plot size: 30 foot radii )				0	= Total Cover		<b>Prevalence Index worksheet:</b> Total % Cover of: _____ Multiply by: _____ OBL species 1 x 1 = 1 FACW species 1 x 2 = 1 FAC species 0 x 3 = 0 FACU species 2 x 4 = 8 UPL species _____ x 5 = _____ Column Totals: 4 (A) 10 (B)		
1.	_____	_____	_____						
2.	_____	_____	_____						
3.	_____	_____	_____						
4.	_____	_____	_____						
5.	_____	_____	_____						
6.	_____	_____	_____						
50% of total cover: _____ 20% of total cover: _____							Prevalence Index = B/A = 2.50		
<u>Shrub Stratum</u> (Plot size: 30 foot radii )				0	= Total Cover		<b>Hydrophytic Vegetation Indicators:</b> <input type="checkbox"/> 1 - Rapid Test for Hydrophytic Vegetation <input checked="" type="checkbox"/> 2 - Dominance Test is >50% <input checked="" type="checkbox"/> 3 - Prevalence Index is ≤3.0 <sup>1</sup> <input type="checkbox"/> Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)		
1.	_____	_____	_____						
2.	_____	_____	_____						
3.	_____	_____	_____						
4.	_____	_____	_____						
5.	_____	_____	_____						
6.	_____	_____	_____						
50% of total cover: 15 20% of total cover: 6									
<u>Herb Stratum</u> (Plot size: 30 foot radii )				50	= Total Cover		<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.		
1.	Onoclea sensibilis	10	Yes	FACW					
2.	Maianthemum canadense	10	Yes	FACU					
3.	Osmunda cinnamomeum	10	Yes	FACW					
4.	Alliaria petiolata	10	Yes	FACU					
5.	Carex Stricula	10	Yes	OBL					
6.	_____	_____	_____	_____					
7.	_____	_____	_____	_____					
8.	_____	_____	_____	_____					
9.	_____	_____	_____	_____					
10.	_____	_____	_____	_____					
11.	_____	_____	_____	_____					
50% of total cover: 30 20% of total cover: 12									
<u>Woody Vine Stratum</u> (Plot size: not inventoried )				0	= Total Cover		<b>Definitions of Five Vegetation Strata:</b>		
1.	_____	_____	_____						
2.	_____	_____	_____						
3.	_____	_____	_____						
4.	_____	_____	_____						
5.	_____	_____	_____						
50% of total cover: _____ 20% of total cover: _____									
Remarks: (If observed, list morphological adaptations below).				<b>Hydrophytic Vegetation Present?</b> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>					

## SOIL

Sampling Point: 2 Wet

**Profile Description:** (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

<sup>1</sup>Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.

<sup>2</sup>Location: PL=Pore Lining, M=Matrix.

#### Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- Histosol (A1)
  - Histic Epipedon (A2)
  - Black Histic (A3)
  - Hydrogen Sulfide (A4)
  - Stratified Layers (A5)
  - Organic Bodies (A6) (**LRR P, T, U**)
  - 5 cm Mucky Mineral (A7) (**LRR P, T, U**)
  - Muck Presence (A8) (**LRR U**)
  - 1 cm Muck (A9) (**LRR P, T**)
  - Depleted Below Dark Surface (A11)
  - Thick Dark Surface (A12)
  - Coast Prairie Redox (A16) (**MLRA 150A**)
  - Sandy Mucky Mineral (S1) (**LRR O, S**)
  - Sandy Gleyed Matrix (S4)
  - Sandy Redox (S5)
  - Stripped Matrix (S6)
  - Dark Surface (S7) (**LRR P, S, T, U**)

- Polyvalue Below Surface (S8) (**LRR S, T, U**)
  - Thin Dark Surface (S9) (**LRR S, T, U**)
  - Loamy Mucky Mineral (F1) (**LRR O**)
  - Loamy Gleyed Matrix (F2)
  - Depleted Matrix (F3)
  - Redox Dark Surface (F6)
  - Depleted Dark Surface (F7)
  - Redox Depressions (F8)
  - Marl (F10) (**LRR U**)
  - Depleted Ochric (F11) (**MLRA 151**)
  - Iron-Manganese Masses (F12) (**LRR O, P, T**)
  - Umbric Surface (F13) (**LRR P, T, U**)
  - Delta Ochric (F17) (**MLRA 151**)
  - Reduced Vert (F18) (**MLRA 150A, 150B**)
  - Piedmont Floodplain Soils (F19) (**MLRA 149A**)
  - Anomalous Bright Loamy Soils (F20) (**MLRA**)

### Indicators for Problematic Hydric Soils<sup>3</sup>:

- 1 cm Muck (A9) (**LRR O**)
  - 2 cm Muck (A10) (**LRR S**)
  - Reduced Vertic (F18) (**outside MLRA 150A, B**)
  - Piedmont Floodplain Soils (F19) (**LRR P, S, T**)
  - Anomalous Bright Loamy Soils (F20)  
**(MLRA 153B)**
  - Red Parent Material (TF2)
  - Very Shallow Dark Surface (TF12)
  - Other (Explain in Remarks)

<sup>3</sup>Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

### **Restrictive Layer (if observed):**

Type: \_\_\_\_\_

Hydric Soil Present? Yes  No

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**Remarks:**

No overstory..area is the part of yard area around stream

Reader Notes: