

**Notice of Intent
Habitat for Humanity
87 Tahattawan Road
Littleton, Massachusetts**

July 24, 2025

Submitted to:

**Littleton Conservation Commission
Sarah Seaward/Chase Gerbig, Co-Chairs
37 Shattuck Street
Littleton, MA 01460**

Applicant:

**North Central Massachusetts Habitat for Humanity
3 Park Street- Suite 203
Leominster, MA 01453**

Prepared By:

**McCarty Engineering, Inc.
42 Tucker Drive
Leominster, MA 01453**



July 24, 2025

Mr. Tim Pearson, Agent
Town of Littleton Conservation Commission
37 Shattuck Street
1st Floor, B100
Littleton, MA 01460

**RE: Notice of Intent
North Central Massachusetts Habitat for Humanity
87 Tahattawan Road
Littleton, Massachusetts**

Dear Mr. Pearson,

On behalf of North Central Massachusetts Habitat for Humanity, McCarty Engineering Inc. (MEI) is submitting this Notice of Intent for 87 Tahattawan Road, Parcel ID U33-2-A. The project includes the construction of a two-family residence with associated site improvements.

The subject parcel is approximately 1.58 acres located within the R Zoning District and is adjacent to an unnamed bordering vegetated wetland. The wetland was delineated by Three Oaks Environmental, LLC in June of 2025 and subsequently field located by Tauper Land Survey.

The proposed development will be serviced by municipal water and a private onsite sewage disposal system. The proposed structure and driveway have been positioned to create the maximum amount of separation from the resource area, while still being able to provide the necessary septic reserve area. The project will result in a total increase of impervious area of approximately 5,930 square feet, which equates to approximately 8.6% of the property's total area. From the of total impervious material, only 1,920 sf of impervious is located within the 100-foot buffer zone.

Per Chapter 1 of the Massachusetts Stormwater Handbook, Volume 1; The Stormwater management standards shall not apply to Multi-family housing development and redevelopment projects with four or fewer units. Although Stormwater Best Management Practices (BMPs) are not required, MEI has incorporated BMPs for the proposed development in the form of a peastone diaphragm and a drywell. Both BMPs, have been sized to accommodate the ½" water quality volume.

MEI is not currently requesting any waivers from the Littleton Wetland Protection Regulations. All proposed work is located outside of the "No-Disturbance Area" and will not result in any direct wetland impacts. Straw wattle and silt fence erosion control measures will be installed

downgradient of the limit of disturbance to minimize the risk of siltation occurring in the resource area.

We look forward to working with the Conservation Commission in the review of the proposed project. Should you require additional information or additional copies of the information submitted please feel free to contact me.

Respectfully,

A handwritten signature in black ink, appearing to read "Brian Marchetti".

Brian Marchetti, PE
Vice President, Engineering

A handwritten signature in black ink, appearing to read "John Plifka".

John Plifka
Project Engineer



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

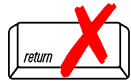
Document Transaction Number

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):

87 Tahattawan Road

a. Street Address

Littleton

b. City/Town

01460

c. Zip Code

Latitude and Longitude:

42.563473

d. Latitude

-71.490330

e. Longitude

U33

f. Assessors Map/Plat Number

2-A

g. Parcel /Lot Number

2. Applicant:

Carolyn

a. First Name

Read

b. Last Name

Habitat for Humanity North Central Massachusetts

c. Organization

3 Park Street -Suite 203

d. Street Address

Leominster

e. City/Town

MA

f. State

01453

g. Zip Code

978-348-2749

h. Phone Number

carolyn@ncmhabitat.org

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):

Brian

a. First Name

Marchetti

b. Last Name

McCarty Engineering, Inc.

c. Company

42 Tucker Drive

d. Street Address

Leominster

e. City/Town

MA

f. State

01453

g. Zip Code

978-534-1318

h. Phone Number

978-840-6907

i. Fax Number

bmarchetti@mccartydb.com

j. Email address

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

a. Total Fee Paid

b. State Fee Paid

c. City/Town Fee Paid



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A. General Information (continued)

6. General Project Description:

The project includes the construction of a Duplex and associated site improvements.

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

76578

c. Book

b. Certificate # (if registered land)

145

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

WPA Form 3 – Notice of Intent

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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.

Resource Area	Size of Proposed Alteration	Proposed Replacement (if any)
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

Resource Area	Size of Proposed Alteration	Proposed Replacement (if any)
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. <input type="checkbox"/> 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 BVW _____

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**

August 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/mas-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

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
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Provided by MassDEP:

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Littleton

City/Town

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.



Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands

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City/Town

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.

Notice of Intent Plan

a. Plan Title

McCarthy Engineering, Inc.

Brian Marchetti, P.E.

b. Prepared By

c. Signed and Stamped by

7/23/2025

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:

11664

7/23/25

2. Municipal Check Number

3. Check date

11666

7/23/25

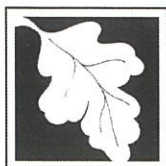
4. State Check Number

5. Check date

Habitat for Humanity North Central Massachusetts

6. Payor name on check: First Name

7. Payor name on check: Last Name



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.


1. Signature of Applicant

7/23/25
2. Date

3. Signature of Property Owner (if different)


5. Signature of Representative (if any)

4. Date

7/23/25
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:

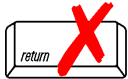
If the applicant has checked the "yes" box in any part of Section C, Item 3, above, refer to that section and the Instructions for additional submittal requirements.

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:

87 Tahattawan Road

a. Street Address

11666

c. Check number

Littleton

b. City/Town

\$237.50

d. Fee amount

2. Applicant Mailing Address:

Carolyn

a. First Name

Read

b. Last Name

North Central Massachusetts Habitat for Humanity

c. Organization

3 Park Street- Suite 203

d. Mailing Address

Leominster

e. City/Town

MA

f. State

01453

g. Zip Code

978-348-2749

h. Phone Number

i. Fax Number

carolyn@nchabitat.org

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)

Step 1/Type of Activity	Step 2/Number of Activities	Step 3/Individual Activity Fee	Step 4/Subtotal Activity Fee
Categorey 2- J	1		\$500.00

Step 5/Total Project Fee:

Step 6/Fee Payments:

Total Project Fee:	\$500.00
	a. Total Fee from Step 5
State share of filing Fee:	\$237.50
	b. 1/2 Total Fee less \$12.50
City/Town share of filing Fee:	\$262.50
	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.)

**84 Tahattawan Road
Littleton, MA
NOI Fee Calculations**

State Fee

WPA Category 2 – Other : Fee = \$500.00

State Receives $\frac{1}{2}$ of the Fee minus \$12.50 = \$237.50

Total State Fee = \$237.50

Littleton Fee

WPA Category 2 – Other: Fee = \$500.00

Town Receives $\frac{1}{2}$ of the Fee plus \$12.50 = \$262.50

Local Category 2 -: Fee= \$250.00

Total City Fee = \$512.50

Appendix A:
Certified Abutters List &
Abutter Notification



**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.

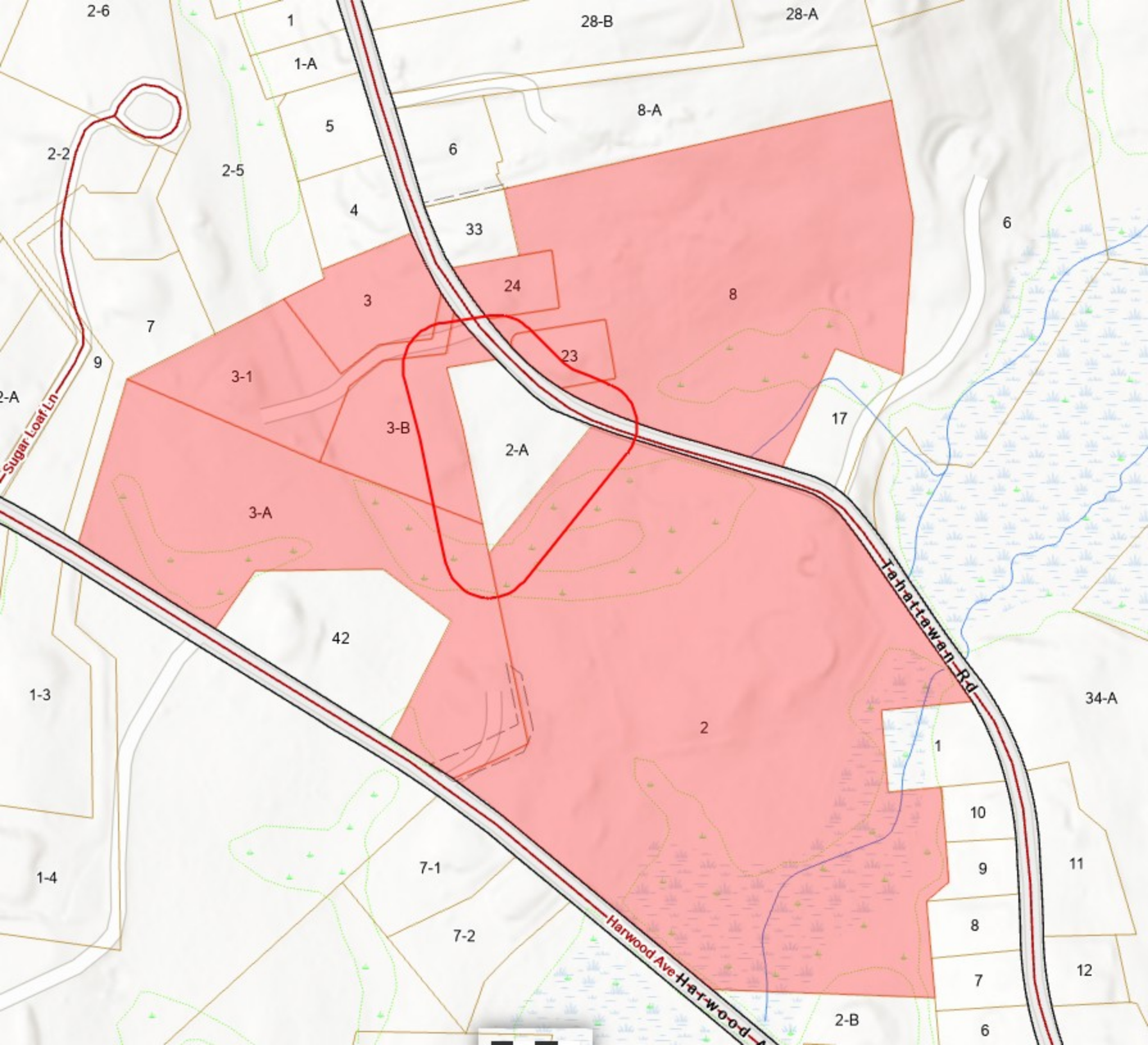
Number of Abutter(s) ____ including the subject parcels ____ Applicant Requesting Abutter's List.

Certified by:  _____

Name: _____

Title: _____

119	TAHATTAWAN RD	U33 2 0
		LUC: 932
	TOWN OF LITTLETON	
	CONSERVATION COMMISSION	
	119 TAHATTAWAN RD	
	LITTLETON, MA 01460	
87	TAHATTAWAN RD	U33 2 A
		LUC: 930
	TOWN OF LITTLETON	
	119 TAHATTAWAN RD	
	LITTLETON, MA 01460	
84	TAHATTAWAN RD	U33 23 0
		LUC: 101
	GOULD SHERRILL R	
	84 TAHATTAWAN RD	
	LITTLETON, MA 01460	
80	TAHATTAWAN RD	U33 24 0
		LUC: 101
	GOULD SHERRILL R	
	80 TAHATTAWAN RD	
	LITTLETON, MA 01460	
77	TAHATTAWAN RD	U33 3 0
		LUC: 101
	RAVANIS MARIA I	
	77 TAHATTAWAN RD	
	LITTLETON, MA 01460	
81	TAHATTAWAN RD	U33 3 1
		LUC: 101
	THE HILBERT ROACH LIVING TRUST	
	ROACH STEPHEN P	
	81 TAHATTAWAN ROAD	
	LITTLETON, MA 01460	
230	HARWOOD AV	U33 3 A
		LUC: 101
	JACOBSON JOHN	
	OKANO KANA	
	230 HARWOOD AV	
	LITTLETON, MA 01460	
79	TAHATTAWAN RD	U33 3 B
		LUC: 101
	MATT & MARY-ELLEN LYONS LIV TR	
	TRUSTEE LYONS MATTHEW	
	79 TAHATTAWAN RD	
	LITTLETON, MA 01460	
	TAHATTAWAN RD	U33 8 0
		LUC: 106
	GOULD SHERRILL R	
	80 TAHATTAWAN RD	
	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 North Central Massachusetts Habitat for Humanity
- C. The address of the land where the activity is proposed is 87 Tahattawan Road
- D. The work proposed is Proposed Two-Family with associated site improvements.
- 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 - 534 - 1318 during the following times: Monday-Friday 9:00AM-4:00PM

- G. The public hearing/meeting will be held on 8/19/25. 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; 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

9-14-2023



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, Brian Marchetti, PE (name of applicant or representative) certify under the pains and penalties of perjury that on 7/24/25 (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 North Central Massachusetts Habitat for Humanity (name of applicant) with the Littleton Conservation Commission on 7/24/25 (date) for the property located at 87 Tahattawan Road (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

7/24/25

Date

Appendix B:
Wetland Report

Three Oaks Environmental

P.O. Box 404 Hubbardston, MA 01452
(978) 855-3180

June 28, 2025

Larry Greene
lgreene@mccartydb.com

Re: 87 Tahattawan Rd Littleton
Wetlands delineation

I delineated the wetland at the above-referenced site this past week for future home construction partly within the 100-foot Buffer Zone to a Bordering Vegetated Wetland (BVW). The wetland borders on a small pond on the adjacent property to the southeast and lies just beyond the stone wall that appears to run along the property line. I delineated the BVW line with pink wetland flags, starting with flag W1 close to the road and pond.



This is my tracking pattern from flag W7 on the east to W19 off site to the west.

Vegetation observed in the wetland includes: jewelweed, red maple, highbush blueberry, Skunk cabbage, winterberry, new york fern, cinnamon fern and poison ivy on both sides of the line.

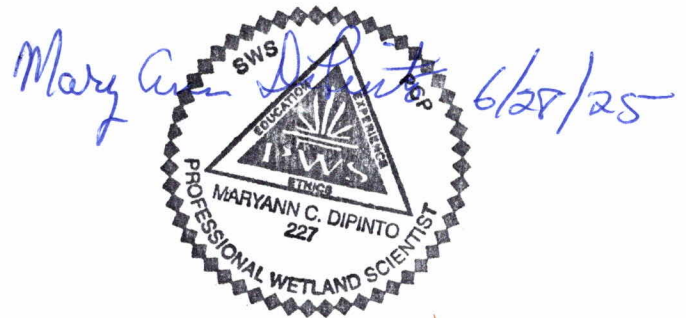
Vegetation observed in the upland includes: multiflora rose, Japanese barberry, Hay-scented fern, Asian bittersweet, black oak, cow parsley, Norway maple, white ash, morrow's honeysuckle, shagbark hickory, white pine, partridgeberry, canada mayflower, Virginia creeper, and red oak.

The soil is very rocky, with both upland and wetland trees appearing to be shallow-rooted. There is a clear break in the slope between the upland and the wetland. The line runs through a predominantly upland shrub community of Japanese barberry. Topography and evidence of hydrology helped to verify the wetland line. There were some old blue flags present from a previous delineation that appeared to be generally accurate. The DEP data sheets for upland and wetland plots are attached to this report.

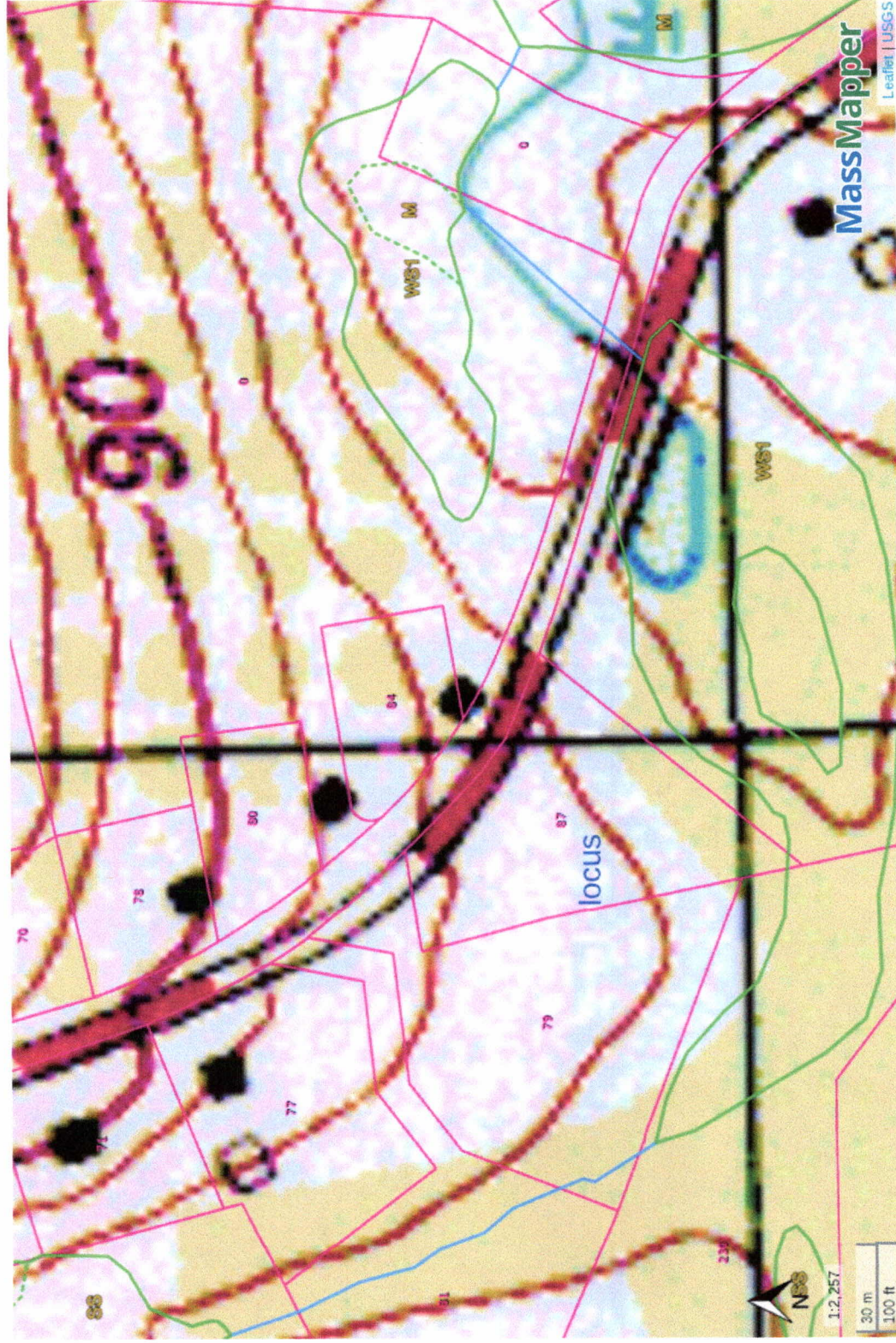
I researched the MassGIS data layers and determined that there are no rare species, priority habitats, or certified vernal pools indicated on the site. There are no ORW or ACEC wetlands, or FEMA floodplain depicted on the site. The MassGIS maps are attached to this report.

Please feel free to contact me if you have any questions regarding this report.

Sincerely,
MaryAnn DiPinto, PWS #0227
threeoaksenvironmental@gmail.com
attachments



87 Tahattawan Rd Littleton Locus Map



87 Tahattawan Rd Littleton Wetland Resources



- NHESP Estimated Habitats of Rare Wildlife
 -
- NHESP Priority Habitats of Rare Species
 -
 -
- NHESP Certified Vernal Pools
 - ★
- Potential Vernal Pools
 -
- Outstanding Resource Waters
 - ACEC
 - Cape Cod National Seashore
 - Protected Shoreline
 - Public Water Supply Watershed
 - Retired Public Water Supply
 - Scenic/Protected River
 - Wildlife Refuge
- DEP Wetlands Linear Features
 - SHORELINE
 - HYDROLOGIC CONNECTION
 - MEAN WATER LINE
 - APPARENT WETLAND LIMIT
 - CLOSURE LINE
 - EDGE OF INTERPRETED AREA
- DEP Wetlands Labels
- Property Tax Parcels

BORDERING VEGETATED WETLAND DETERMINATION FORM

Project/Site: 87 Tahattawan Rd City/Town: Littleton Sampling Date: 6/24/25
 Applicant/Owner: McCarty Engineering Sampling Point or Zone: wetland below W6
 Investigator(s): MaryAnn DiPinto 3 Oaks Env. Latitude / Longitude: 42.52700 -71.483350
 Soil Map Unit Name: whitman NWI or DEP Classification: Palustrine forested

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? (If yes, explain in Remarks)
 Are Vegetation ☐, Soil ☐, or Hydrology ☐ naturally problematic? (If yes, explain in Remarks)

SUMMARY OF FINDINGS – Attach site map and photograph log showing sampling locations, transects, etc.

Wetland vegetation criterion met?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Is the Sampled Area within a Wetland? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Hydric Soils criterion met?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Wetlands hydrology present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Remarks, Photo Details, Flagging, etc.:			

HYDROLOGY

Field Observations:		
Surface Water Present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/> Depth (inches) _____
Water Table Present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/> Depth (inches) <u>3.00</u>
Saturation Present (including capillary fringe)?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/> Depth (inches) _____
Wetland Hydrology Indicators		
Reliable Indicators of Wetlands Hydrology <input checked="" type="checkbox"/> Water-stained leaves <input type="checkbox"/> Evidence of aquatic fauna <input type="checkbox"/> Iron deposits <input type="checkbox"/> Algal mats or crusts <input type="checkbox"/> Oxidized rhizospheres/pore linings <input type="checkbox"/> Thin muck surfaces <input type="checkbox"/> Plants with air-filled tissue (aerenchyma) <input type="checkbox"/> Plants with polymorphic leaves <input type="checkbox"/> Plants with floating leaves <input type="checkbox"/> Hydrogen sulfide odor	Indicators that can be Reliable with Proper Interpretation <input type="checkbox"/> Hydrological records <input checked="" type="checkbox"/> Free water in a soil test hole <input checked="" type="checkbox"/> Saturated soil <input type="checkbox"/> Water marks <input type="checkbox"/> Moss trim lines <input type="checkbox"/> Presence of reduced iron <input type="checkbox"/> Woody plants with adventitious roots <input type="checkbox"/> Trees with shallow root systems <input type="checkbox"/> Woody plants with enlarged lenticels	Indicators of the Influence of Water <input type="checkbox"/> Direct observation of inundation <input checked="" type="checkbox"/> Drainage patterns <input type="checkbox"/> Drift lines <input type="checkbox"/> Scoured areas <input type="checkbox"/> Sediment deposits <input type="checkbox"/> Surface soil cracks <input type="checkbox"/> Sparsely vegetated concave surface <input type="checkbox"/> Microtopographic relief <input type="checkbox"/> Geographic position (depression, toe of slope, fringing lowland)
Remarks (describe recorded data from stream gauge, monitoring well, aerial photos, previous inspections, if available): standing water and muck soil deeper into the BVW, couldn't reach it to measure depth.		

This form is only for BVW delineations. Other wetland resource areas may be present and should be delineated according to the applicable regulatory provisions.

VEGETATION – Use both common and scientific names of plants.

<u>Tree Stratum</u>		Plot size <u>15</u>			
Common name	Scientific name	Indicator Status	Absolute % Cover	Dominant? (yes/no)	Wetland Indicator? (yes/no)
1. White pine	Pinups strobus	FACU	53.0	Yes	No
2. Red maple	Acer rubrum	FAC	21.0	Yes	Yes
3.					
4.					
5.					
6.					
7.					
8.					
9.					
			<u>74.0</u>	= Total Cover	
<u>Shrub/Sapling Stratum</u>		Plot size <u>15</u>			
Common name	Scientific name	Indicator Status	Absolute % Cover	Dominant? (yes/no)	Wetland Indicator? (yes/no)
1. Highbush blueberry	Vaccinium corybosum	FACW	29.0	Yes	Yes
2. Winterberry holly	Ilex verticillata	FACW	29.0	Yes	Yes
3. white ash	Fraxinus americana	FACU	18.0	Yes	No
4. American elm	Ulmus americana	FACW	24.0	Yes	Yes
5.					
6.					
7.					
8.					
9.					
			<u>100.0</u>	= Total Cover	
<u>Herb Stratum</u>		Plot size <u>5</u>			
Common name	Scientific name	Indicator Status	Absolute % Cover	Dominant? (yes/no)	Wetland Indicator? (yes/no)
1. Skunk cabbage	symplocarpus foetidus	OBL	45.0	Yes	Yes
2. Cinnamon fern	Osmundastrum cinnamonmeum	FACW	45.0	Yes	Yes
3. sedge	unknown		10.0	No	No
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
			<u>100.0</u>	= Total Cover	

VEGETATION – continued.

<u>Woody Vine Stratum</u>		Plot size <u>15</u>			
		Indicator Status	Absolute % Cover	Dominant? (yes/no)	Wetland Indicator? (yes/no)
Common name		Scientific name			
1. Poison ivy	Toxicodendron radicans	FAC	100.0	Yes	Yes
2.					
3.					
4.					
			<u>100.0</u>	= Total Cover	

Rapid Test: Do all dominant species have an indicator status of OBL or FACW? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>				
Dominance Test:	Number of dominant species	Number of dominant species that are wetland indicator plants		Do wetland indicator plants make up $\geq 50\%$ of dominant plant species? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
	9	8		
Prevalence Index:		Total % Cover (all strata)	Multiply by:	Result
	OBL species		X 1	= 0.00
	FACW species		X 2	= 0.00
	FAC species		X 3	= 0.00
	FACU species		X 4	= 0.00
	UPL species		X 5	= 0.00
	Column Totals	(A) 0		(B) 0
Prevalence Index		B/A = 0.00		Is the Prevalence Index ≤ 3.0 ? Yes <input type="checkbox"/> No <input type="checkbox"/>
Wetland vegetation criterion met? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>				

Definitions of Vegetation Strata

- Tree - Woody plants 3 in. (7.62 cm) or more in diameter at breast height (DBH), regardless of height
- Shrub / Sapling - Woody plants less than 3 in. (7.62 cm) DBH and greater than or equal to 3.3 ft. (1 m) tall
- Herb - All herbaceous (non-woody plants, regardless of size, and woody plants less than 3.3 ft. (1 m) tall
- Woody vines - All woody vines greater than 3.3 ft. (1 m) in height

Cover Ranges	
Range	Midpoint
1-5 %	3.0 %
6-15 %	10.5 %
15-25 %	20.5 %
26-50 %	38.0 %
51-75 %	63.0 %
76-95 %	85.5 %
96-100 %	98.0 %

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators)								
Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Location ²		
0-8	10 YR2/1						muck	hit rock @ 8"

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains

²Location: PL=Pore Lining, M=Matrix

Hydric Soil Indicators (Check all that apply)		Indicators for Problematic Hydric Soils
<input type="checkbox"/> Histosol (A1)	<input type="checkbox"/> Polyvalue Below Surface (S8)	<input type="checkbox"/> 2 cm Muck (A10)
<input checked="" type="checkbox"/> Histic Epipedon (A2)	<input type="checkbox"/> Thin Dark Surface (S9)	<input type="checkbox"/> 5 cm Mucky Peat or Peat (S3)
<input type="checkbox"/> Black Histic (A3)	<input type="checkbox"/> Loamy Gleyed Matrix (F2)	<input type="checkbox"/> Iron-Manganese Masses (F12)
<input type="checkbox"/> Hydrogen Sulfide (A4)	<input type="checkbox"/> Depleted Matrix (F3)	<input type="checkbox"/> Mesic Spodic (A17)
<input type="checkbox"/> Stratified Layers (A5)	<input type="checkbox"/> Redox Dark Surface (F6)	<input type="checkbox"/> Red Parent Material (F21)
<input type="checkbox"/> Depleted Below Dark Surface (A11)	<input type="checkbox"/> Depleted Dark Surface (F7)	<input type="checkbox"/> Very Shallow Dark Surface (F22)
<input type="checkbox"/> Thick Dark Surface (A12)	<input type="checkbox"/> Redox Depressions (F8)	
<input type="checkbox"/> Sandy Mucky Mineral (S1)		
<input type="checkbox"/> Sandy Gleyed Matrix (S4)		
<input type="checkbox"/> Sandy Redox (S5)		<input type="checkbox"/> Other (Include Explanation in Remarks)
<input type="checkbox"/> Stripped Matrix (S6)		
<input type="checkbox"/> Dark Surface (S7)		

Restrictive Layer (if observed) Type:

Depth (inches):

Remarks:
The soil was very rocky, almost 8" of muck above the rock

Hydric Soils criterion met? Yes ☒ No ☐

BORDERING VEGETATED WETLAND DETERMINATION FORM

Project/Site: 87 Tahattawan Rd City/Town: Littleton Sampling Date: 6/24/25
 Applicant/Owner: McCarty Engineering Sampling Point or Zone: upland above W6
 Investigator(s): MaryAnn DiPinto 3 Oaks Env. Latitude / Longitude: 42.52700 -71.483350
 Soil Map Unit Name: Paxton NWI or DEP Classification: _____

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? (If yes, explain in Remarks)
 Are Vegetation ☐, Soil ☐, or Hydrology ☐ naturally problematic? (If yes, explain in Remarks)

SUMMARY OF FINDINGS – Attach site map and photograph log showing sampling locations, transects, etc.

Wetland vegetation criterion met?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	Is the Sampled Area within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Hydric Soils criterion met?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
Wetlands hydrology present?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	

Remarks, Photo Details, Flagging, etc.:

HYDROLOGY

Field Observations:

Surface Water Present? Yes ☐ No ☒ Depth (inches) _____
 Water Table Present? Yes ☐ No ☒ Depth (inches) _____
 Saturation Present (including capillary fringe)? Yes ☐ No ☒ Depth (inches) _____

Wetland Hydrology Indicators

Reliable Indicators of Wetlands Hydrology	Indicators that can be Reliable with Proper Interpretation	Indicators of the Influence of Water
<input type="checkbox"/> Water-stained leaves <input type="checkbox"/> Evidence of aquatic fauna <input type="checkbox"/> Iron deposits <input type="checkbox"/> Algal mats or crusts <input type="checkbox"/> Oxidized rhizospheres/pore linings <input type="checkbox"/> Thin muck surfaces <input type="checkbox"/> Plants with air-filled tissue (aerenchyma) <input type="checkbox"/> Plants with polymorphic leaves <input type="checkbox"/> Plants with floating leaves <input type="checkbox"/> Hydrogen sulfide odor	<input type="checkbox"/> Hydrological records <input type="checkbox"/> Free water in a soil test hole <input type="checkbox"/> Saturated soil <input type="checkbox"/> Water marks <input type="checkbox"/> Moss trim lines <input type="checkbox"/> Presence of reduced iron <input type="checkbox"/> Woody plants with adventitious roots <input type="checkbox"/> Trees with shallow root systems <input type="checkbox"/> Woody plants with enlarged lenticels	<input type="checkbox"/> Direct observation of inundation <input type="checkbox"/> Drainage patterns <input type="checkbox"/> Drift lines <input type="checkbox"/> Scoured areas <input type="checkbox"/> Sediment deposits <input type="checkbox"/> Surface soil cracks <input type="checkbox"/> Sparsely vegetated concave surface <input type="checkbox"/> Microtopographic relief <input type="checkbox"/> Geographic position (depression, toe of slope, fringing lowland)

Remarks (describe recorded data from stream gauge, monitoring well, aerial photos, previous inspections, if available):

This form is only for BVW delineations. Other wetland resource areas may be present and should be delineated according to the applicable regulatory provisions.

VEGETATION – Use both common and scientific names of plants.

<u>Tree Stratum</u>		Plot size <u>15</u>		Indicator Status	Absolute % Cover	Dominant? (yes/no)	Wetland Indicator? (yes/no)
Common name	Scientific name						
1. White pine	Pinups strobus	FACU	53.0	Yes	No		
2. Norway Maple	Acer platanoides	FACU	21.0	Yes	No		
3. Red maple	Acer rubrum	FAC	26.0	Yes	Yes		
4.							
5.							
6.							
7.							
8.							
9.							
				<u>100.0</u> = Total Cover			
<u>Shrub/Sapling Stratum</u>		Plot size <u>15</u>		Indicator Status	Absolute % Cover	Dominant? (yes/no)	Wetland Indicator? (yes/no)
Common name	Scientific name						
1. Japanese barberry	Berberis thunbergii	FACU	46.0	Yes	No		
2. black oak	Quercus vellutina	UPL	18.0	Yes	No		
3. white ash	Fraxinus americana	FACU	18.0	Yes	No		
4. American elm	Ulmus americana	FACW	18.0	Yes	Yes		
5.							
6.							
7.							
8.							
9.							
				<u>100.0</u> = Total Cover			
<u>Herb Stratum</u>		Plot size <u>5</u>		Indicator Status	Absolute % Cover	Dominant? (yes/no)	Wetland Indicator? (yes/no)
Common name	Scientific name						
1. Canada mayflower	Maianthemum canadense	FACU	50.0	Yes	No		
2. NY Fern	Thelypteris novaboriensis	FAC	50.0	Yes	Yes		
3.							
4.							
5.							
6.							
7.							
8.							
9.							
10.							
11.							
12.							
				<u>100.0</u> = Total Cover			

VEGETATION – continued.

Common name		Scientific name	Indicator Status	Absolute % Cover	Dominant? (yes/no)	Wetland Indicator? (yes/no)
1. Poison ivy		Toxicodendron radicans	FAC	56.0	Yes	Yes
2. Asian bittersweet		Celastrus orbiculatus	FACU	22.0	Yes	No
3. Virginia creeper		Parthenocissus quinquefolia	FACU	22.0	Yes	No
4.						
				<u>100.0</u>	= Total Cover	

Rapid Test: Do all dominant species have an indicator status of OBL or FACW?				Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Dominance Test:	Number of dominant species	Number of dominant species that are wetland indicator plants		Do wetland indicator plants make up $\geq 50\%$ of dominant plant species? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
	12	4		
Prevalence Index:		Total % Cover (all strata)	Multiply by:	Result
	OBL species		X 1	= 0.00
	FACW species		X 2	= 0.00
	FAC species		X 3	= 0.00
	FACU species		X 4	= 0.00
	UPL species		X 5	= 0.00
	Column Totals	(A) 0		(B) 0
Prevalence Index		B/A = 0.00		Is the Prevalence Index ≤ 3.0 ? Yes <input type="checkbox"/> No <input type="checkbox"/>
Wetland vegetation criterion met? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>				

Definitions of Vegetation Strata

- Tree - Woody plants 3 in. (7.62 cm) or more in diameter at breast height (DBH), regardless of height
- Shrub / Sapling - Woody plants less than 3 in. (7.62 cm) DBH and greater than or equal to 3.3 ft. (1 m) tall
- Herb - All herbaceous (non-woody plants, regardless of size, and woody plants less than 3.3 ft. (1 m) tall
- Woody vines - All woody vines greater than 3.3 ft. (1 m) in height

Cover Ranges	
Range	Midpoint
1-5 %	3.0 %
6-15 %	10.5 %
15-25 %	20.5 %
26-50 %	38.0 %
51-75 %	63.0 %
76-95 %	85.5 %
96-100 %	98.0 %

[illegible]

Appendix C:
Plans

Plan List:

- A. Site Locus Plan – Dated 7/24/2025**
- B. Notice of Intent Plan, prepared by McCarty Engineering, Inc., 42
Tucker Drive, Leominster, MA 01453, dated and stamped
7/23/2025**

