



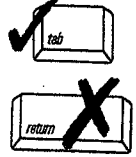
Massachusetts Department of Environmental Protection  
Bureau of Resource Protection - Wetlands

**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
City/Town

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



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

**A. General Information**

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

<u>849 Main Street</u>	<u>Lynnfield</u>	<u>01940</u>
a. Street Address	b. City/Town	c. Zip Code
<u>Latitude and Longitude:</u>	<u>42.545330</u>	<u>-71.040460</u>
<u>20</u>	d. Latitude	e. Longitude
f. Assessors Map/Plat Number	<u>2729</u>	
	g. Parcel /Lot Number	

2. Applicant:

<u>Zepaj Development, LLC</u>	<u></u>
a. First Name	b. Last Name
<u>78 Mill Street</u>	
c. Organization	
d. Street Address	
<u>Middleton</u>	<u>MA</u>
e. City/Town	f. State
	<u>01949</u>
	g. Zip Code
<u></u>	<u></u>
h. Phone Number	i. Fax Number
	j. Email Address

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

<u></u>	<u></u>
a. First Name	b. Last Name
<u></u>	
c. Organization	
<u></u>	
d. Street Address	
<u></u>	<u></u>
e. City/Town	f. State
	g. Zip Code
<u></u>	<u></u>
h. Phone Number	i. Fax Number
	j. Email address

4. Representative (if any):

<u>James</u>	<u>Kavanaugh</u>
a. First Name	b. Last Name
<u></u>	
c. Company	
<u>14 Shady Hill Drive</u>	
d. Street Address	
<u></u>	<u>MA</u>
e.	f. State
<u>9783759781</u>	<u>01864</u>
h. Phone Number	g. Zip Code
<u></u>	<u>kavanaughj@msn.com</u>
i. Fax Number	j. Email address

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

<u>500</u>	<u>237.50</u>	<u>262.50</u>
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:

Construct new single family home, remove existing house, install new septic system, bituminous driveway, site grading and future pool/patio/fence

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

- 1.  Single Family Home
- 2.  Residential Subdivision
- 3.  Commercial/Industrial
- 4.  Dock/Pier
- 5.  Utilities
- 6.  Coastal engineering Structure
- 7.  Agriculture (e.g., cranberries, forestry)
- 8.  Transportation
- 9.  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:

South Essex

a. County

41893

c. Book

b. Certificate # (if registered land)

596

d. Page Number

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

- 1.  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.
- 2.  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.

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 _____	2. square feet _____
	3. cubic yards dredged _____	

Resource Area	Size of Proposed Alteration	Proposed Replacement (if any)
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 _____	4. cubic feet replaced _____
	1. square feet _____	
f. <input type="checkbox"/> Riverfront Area	2. cubic feet of flood storage lost _____	3. cubic feet replaced _____
	1. Name of Waterway (if available) - <b>specify coastal or inland</b> _____	

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: 48,530 square feet

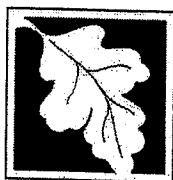
4. Proposed alteration of the Riverfront Area:

<u>23,425</u>	<u>18,000</u>	<u>5,425</u>
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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City/Town \_\_\_\_\_

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

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MassDEP File Number
Document Transaction Number

City/Town

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

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

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

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

1.  Project is exempt from MESA review.  
Attach applicant letter indicating which MESA exemption applies. (See 321 CMR 10.14, <https://www.mass.gov/service-details/exemptions-from-review-for-projectsactivities-in-priority-habitat>; the NOI must still be sent to NHESP if the project is within estimated habitat pursuant to 310 CMR 10.37 and 10.59.)

2.  Separate MESA review ongoing.

a. NHESP Tracking #

b. Date submitted to NHESP

3.  Separate MESA review completed.  
Include copy of NHESP "no Take" determination or valid Conservation & Management Permit with approved plan.

3. For coastal projects only, is any portion of the proposed project located below the mean high water line or in a fish run?

- a.  Not applicable – project is in inland resource area only
- b.  Yes  No

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

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

North Shore - Hull to New Hampshire border:

Division of Marine Fisheries -  
Southeast Marine Fisheries Station  
Attn: Environmental Reviewer  
836 South Rodney French Blvd.  
New Bedford, MA 02744  
Email: [dmf.envreview-south@mass.gov](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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Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

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

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

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

**D. Additional Information**

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

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

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

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



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**D. Additional Information (cont'd)**

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

Proposed Site Improvements

a. Plan Title	_____	
James Kavanaugh	James Kavanaugh	
b. Prepared By	c. Signed and Stamped by	
1/8/24	1"=20'	
d. Final Revision Date	e. Scale	

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

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

**E. Fees**

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

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

2. Municipal Check Number	1081	3. Check date	1/24/24
4. State Check Number	1082	5. Check date	1/24/24
6. Payor name on check: First Name	James	7. Payor name on check: Last Name	Kavanaugh





Massachusetts Department of Environmental Protection  
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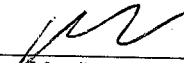
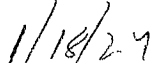
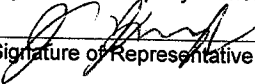
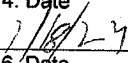
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**F. Signatures and Submittal Requirements**

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	 2. Date
3. Signature of Property Owner (if different)	4. Date
 5. Signature of Representative (if any)	 6. Date

**For Conservation Commission:**

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

**For MassDEP:**

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

**Other:**

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

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



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

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



**A. Applicant Information**

1. Location of Project:

849 Main Street

a. Street Address

Lynnfield

b. City/Town

c. Check number

d. Fee amount

2. Applicant Mailing Address:

a. First Name

b. Last Name

Zepaj Development, LLC

c. Organization

78 Mill Street

d. Mailing Address

Middleton

e. City/Town

MA

f. State

01949

g. Zip Code

h. Phone Number

i. Fax Number

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
Construction single family house	1	500	500

**Step 5/Total Project Fee:** \_\_\_\_\_

**Step 6/Fee Payments:**

Total Project Fee:	500
State share of filing Fee:	237.50
City/Town share of filing Fee:	262.50
	a. Total Fee from Step 5
	b. 1/2 Total Fee less \$12.50
	c. 1/2 Total Fee plus \$12.50

**C. Submittal Requirements**

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

Department of Environmental Protection  
 Box 4062  
 Boston, MA 02211

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

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



**JAMES M. KAVANAUGH**  
14 Shady Hill Dr  
North Reading, MA 01864-1406

1081

53-7040/2113

1/27 2024

Pay to the Order of Town of Lynnfield \$ 262.50  
Two Hundred Sixty Two - 50 Dollars

WINTER HILL BANK

Security features are included. Details on back.

For 849 Main

⑆211370406⑆ 31526333 4⑈ 1081



**JAMES M. KAVANAUGH**  
14 Shady Hill Dr  
North Reading, MA 01864-1406

1082

53-7040/2113

1/27 2024

Pay to the Order of Conservation Dept of Massachusetts \$ 237.50  
Two Hundred Thirty Seven - 50 Dollars

WINTER HILL BANK

Security features are included. Details on back.

For 845 Main

⑆211370406⑆ 31526333 4⑈ 1082



**JAMES M. KAVANAUGH**  
14 Shady Hill Dr  
North Reading, MA 01864-1406

1083

53-7040/2113

1/27 2024

Pay to the Order of Lynnfield V. Mayor \$

WINTER HILL BANK

Dollars

Security features are included. Details on back.

For 847 Main

⑆211370406⑆ 31526333 4⑈ 1083

# Environmental Consultant

JAMES M. KAVANAUGH, P.E.  
14 Shady Hill Drive  
North Reading, MA  
Tel. (978)664-2925

- ♦ Engineering Services
  - ♦ Septic System Designs
  - ♦ Excavation/Installation Services
  - ♦ Home Building/Remodeling
- 

## Project Narrative

Location: 849 Main Street

This project comprises of removing an existing house/garage and replacing with a new dwelling, with proposed replacement of an existing failed septic system and paving of driveway for a single family home. The plan also calls for the addition of future pool, with patio and fencing. The proposed dwelling will be approximately 54 ft. from the bordering vegetated wetlands. The existing septic system is currently on the east of the property. The proposed septic system will be placed on the west side of property, as far away, as practical, from the wetlands. The proposed field will maintain a minimum of 105 ft. from the existing wetlands. The existing driveway will be located in general vicinity of existing driveway. The proposed septic system will comply with the requirements of DEP Title 5 regulations.

# Environmental Consultant

JAMES M. KAVANAUGH, P.E.  
14 Shady Hill Drive  
North Reading, MA  
Tel. (978)664-2925

- Engineering Services
  - Septic System Designs
  - Excavation/Installation Services
  - Home Building/Remodeling
- 

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**Norse Environmental Services, Inc.**  
**2100 Lakeview Avenue, Unit 3A**  
**Dracont, MA 01826**  
**Ph: (978) 649-9932**  
**Website: [www.norseenvironmental.com](http://www.norseenvironmental.com)**

November 26, 2023

Mr. James Kavanaugh  
14 Shady Hill Drive  
North Reading, MA 01864

Re: 849 Main Street  
Lynnfield, MA 01940

Mr. Kavanaugh,

Norse Environmental Services, Inc. performed a site visit on November 7, 2023, to flag the resource areas per Massachusetts General Laws Chapter 131, Section 40: The Wetland Protection Act, 310 CMR 10.00 Wetland Protection Act Regulations, Lynnfield Wetland Protection Regulations and Bylaws. The property consists of 1.26 acres of land located on the corner of Ivanhoe Drive and Main Street. There is an existing single-family dwelling, detached garage, fence, driveway and debris located throughout the property.

An intermittent stream and associated bordering vegetated wetland traverses along the northerly portion of the site. The wetland boundary is well defined and follows a distinct topographic break in slope. The red maple swamp is flagged in the field with blue ribbon and aluminum tags labeled 1A-15A. The overstory consists of red maple (*Acer rubrum*), American elm (*Ulmus americana*), swamp white oak (*Quercus bicolor*) and Norway maple (*Acer platanoides*). The understory consists of glossy buckthorn (*Rhamnus frangula*), winterberry (*Ilex verticillata*) and burning bush (*Euonymus alatus*). The herbaceous layer consists of sensitive fern (*Onoclea sensibilis*), cinnamon fern (*Osmunda cinnamomea*) and jewelweed (*Impatiens capensis*).

The Web Soil Survey maps the site as Merrimac-Urban land complex and Freetown series. Merrimac-Urban Land Complex consists of nearly level to undulating, deep, somewhat excessively drained Merrimac soils and areas of urban land. Although urban development has altered the soils and landscapes on these areas, the soil can be identified at widely separated points, and the general nature of the area can be determined. This map unit consists of about 75 percent Merrimac and similar soils and at least 25 percent urban land and other disturbed areas. Urban land consists of streets, parking lots, buildings, and other structures.

Freetown series consists of nearly level, deep (5+ ft.), very poorly drained organic soils in depressions and on flat areas of uplands and glacial outwash plains. They formed in 51 inches to many feet of black, highly decomposed organic material (muck) over sandy or loamy mineral material. Permeability is moderate or moderately rapid. They have a high-water table which is at or near the surface most of the year. Major limitations are related to wetness and low strength.

The USGS Topographic Map shows no perennial streams located on or near the property. The FIRM Map shows no Bordering Land Subject to Flooding or 100-year flood plain. The property is not located within Estimated/Priority Habitat or have any certified/potential vernal pools as determined by the Natural Heritage and Endangered Species Program.

Enclosed are the maps of the site. If you have any questions or concerns regarding the above information, please do not hesitate to call.

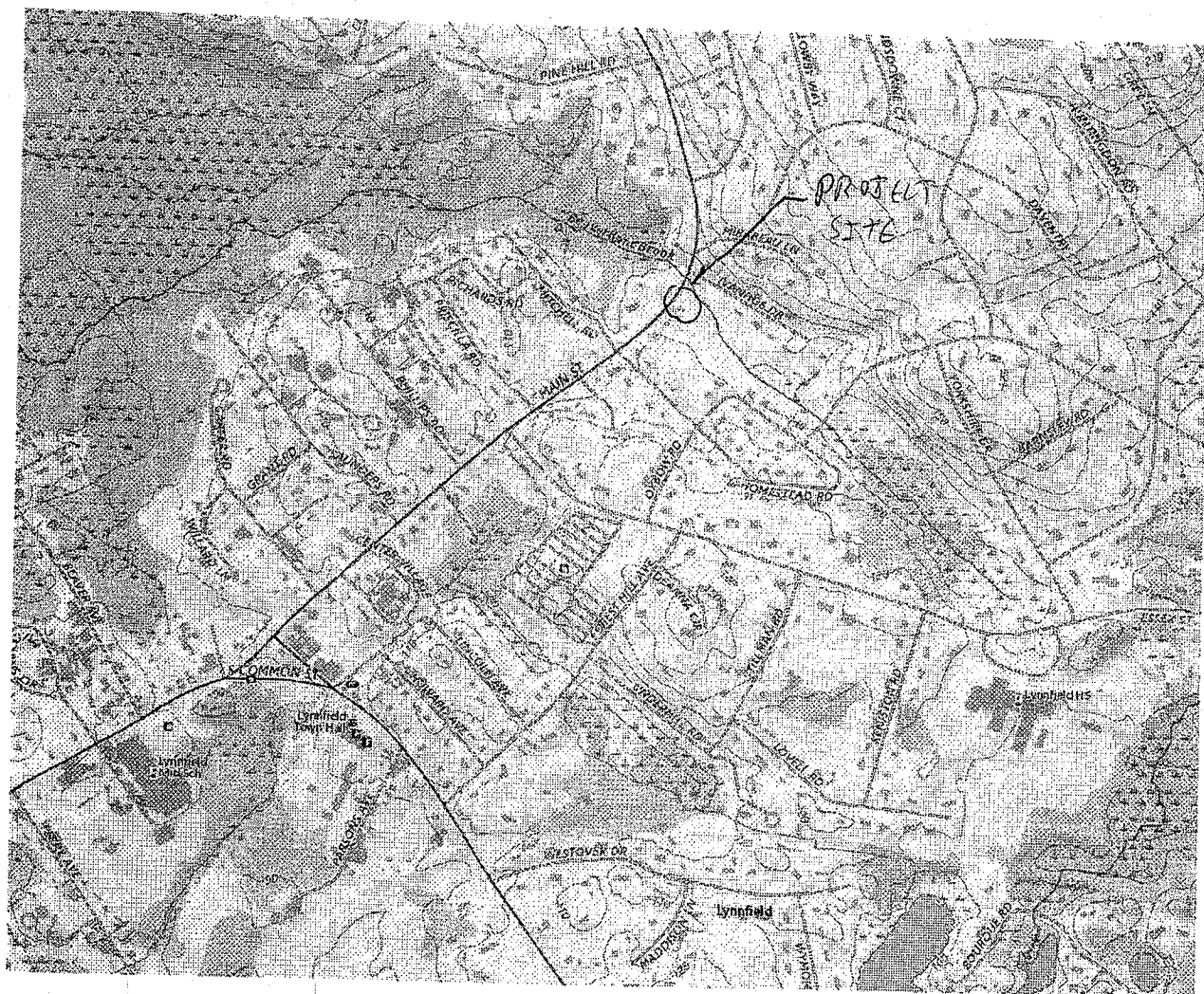
Sincerely,

*Maureen Herald*

Maureen Herald, PWS, CWS



# USGS Map



## Legends

## Dataset Details

## Map Credits

## Print Disclaimer

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