



**NORSE ENVIRONMENTAL SERVICES, INC.**

*92 Middlesex Road, Unit 4*

*Tyngsboro, MA 01879*

*TEL. (978) 649-9932 • FAX (978) 649-7582*

*Website: [www.norseenvironmental.com](http://www.norseenvironmental.com)*

# **NOTICE OF INTENT**

**FOR**

**118 BELMONT STREET**

**ASSESSORS MAP 28 LOT 12**

**READING, MA**

**APPLICANT: ADAM SPERLING**

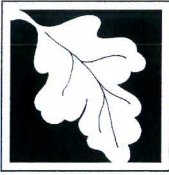
**AUGUST 2020**

**PROJECT:** 118 BELMONT STREET - READING

**APPLICANT:** ADAM SPERLING

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Massachusetts Department of Environmental Protection  
Bureau of Resource Protection - Wetlands

Provided by MassDEP:

WPA Form 3 – Notice of Intent

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

4 Town of Reading General Bylaw Section 7.1

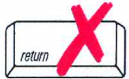
MassDEP File Number

Document Transaction Number

Reading

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):

118 Belmont Street Reading 01867  
a. Street Address b. City/Town c. Zip Code  
Latitude and Longitude: 42 31' 52.86" N 71 05' 42.47" W  
d. Latitude e. Longitude  
Map 28 Lot 12  
f. Assessors Map/Plat Number g. Parcel /Lot Number

2. Applicant:

Adam Sperling  
a. First Name b. Last Name  
c. Organization  
118 Belmont Street  
d. Street Address  
Reading MA 01867  
e. City/Town f. State g. Zip Code  
617-899-9505  
h. Phone Number i. Fax Number j. Email Address

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

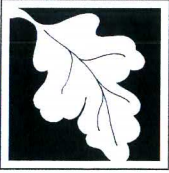
a. First Name b. Last Name  
c. Organization  
d. Street Address  
e. City/Town f. State g. Zip Code  
h. Phone Number i. Fax Number j. Email address

4. Representative (if any):

Maureen Herald  
a. First Name b. Last Name  
Norse Environmental Services, Inc.  
c. Company  
92 Middlesex Road, Unit 4  
d. Street Address  
Tyngsboro MA 01879  
e. City/Town f. State g. Zip Code  
978-649-9932  
h. Phone Number i. Fax Number j. Email address  
norseenvironmental@verizon.net

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

\$110.00 \$42.50 \$67.50  
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 applicant is proposing to raze an existing patio, install an inground swimming pool, patio, fence and associated utilities within 100 ft. of a bordering vegetated wetland.

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

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

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

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

2. Limited Project Type

If the proposed activity is eligible to be treated as an Ecological Restoration Limited Project (310 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:

M.S.R.D.

a. County

65629

c. Book

b. Certificate # (if registered land)

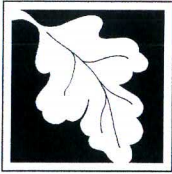
277

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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City/Town \_\_\_\_\_

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

<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 _____
	3. cubic feet of flood storage lost _____	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) - <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: \_\_\_\_\_ square feet

4. Proposed alteration of the Riverfront Area:

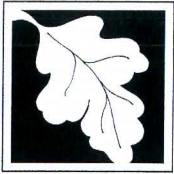
a. total square feet \_\_\_\_\_ b. square feet within 100 ft. \_\_\_\_\_ c. square feet between 100 ft. and 200 ft. \_\_\_\_\_

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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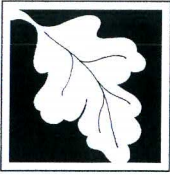
City/Town \_\_\_\_\_

**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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City/Town \_\_\_\_\_

**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**

2020 \_\_\_\_\_

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

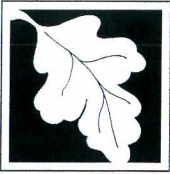
2.  Project plans for entire project site, including wetland resource areas and areas outside of wetlands jurisdiction, showing existing and proposed conditions, existing and proposed tree/vegetation clearing line, and clearly demarcated limits of work \*\*

(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 <http://www.mass.gov/eea/agencies/dfg/dfw/natural-heritage/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 [http://www.mass.gov/dfwele/dfw/nhosp/regulatory\\_review/ mesa/ mesa\\_fee\\_schedule.htm](http://www.mass.gov/dfwele/dfw/nhosp/regulatory_review/ mesa/ mesa_fee_schedule.htm)). 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, [http://www.mass.gov/dfwele/dfw/nhosp/regulatory\\_review/ mesa/ mesa\\_exemptions.htm](http://www.mass.gov/dfwele/dfw/nhosp/regulatory_review/ mesa/ mesa_exemptions.htm); 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:

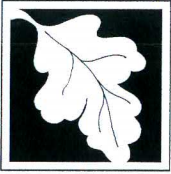
South Shore - Cohasset to Rhode Island border, and the Cape & Islands:

Division of Marine Fisheries -  
Southeast Marine Fisheries Station  
Attn: Environmental Reviewer  
836 South Rodney French Blvd.  
New Bedford, MA 02744  
Email: [DMF.EnvReview-South@state.ma.us](mailto:DMF.EnvReview-South@state.ma.us)

North Shore - Hull to New Hampshire border:

Division of Marine Fisheries -  
North Shore Office  
Attn: Environmental Reviewer  
30 Emerson Avenue  
Gloucester, MA 01930  
Email: [DMF.EnvReview-North@state.ma.us](mailto:DMF.EnvReview-North@state.ma.us)

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.



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Reading \_\_\_\_\_

City/Town \_\_\_\_\_

### 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

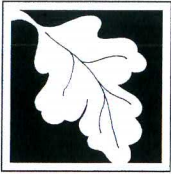
- This is a proposal for an Ecological Restoration Limited Project. Skip Section D and complete Appendix A: Ecological Restoration Notice of Intent – Minimum Required Documents (310 CMR 10.12).

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.

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



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Reading \_\_\_\_\_

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.

Plan of Land in Reading, Mass.

a. Plan Title

Jarosz Land Surveying

Jay Jarosz

b. Prepared By

c. Signed and Stamped by

August 5, 2020

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:

Town of Reading Check #2692

8/21/2020

2. Municipal Check Number

3. Check date

Commonwealth of MA Check #2691

8/21/2020

4. State Check Number

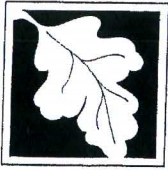
5. Check date

Adam

Sperling

6. Payor name on check: First Name

7. Payor name on check: Last Name



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

Provided by MassDEP:

MassDEP File Number
Document Transaction Number
Reading
City/Town

**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 <i>Alan Sperry</i>	2. Date <i>8/21/2020</i>
3. Signature of Property Owner (if different)	4. Date
5. Signature of Representative (if any) <i>Naamee Herald</i>	6. Date <i>8/24/20</i>

**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.

ADAM C SPERLING OR  
AMY SPERLING  
118 BELMONT ST  
READING, MA 01867-1820

2693

53-13/110 MA  
26574

8/21/2020

Date

Pay To The  
Order Of TOWN OF READING

\$ 250.<sup>00</sup>

Two hundred fifty & 00/100

Dollars



Bank of America

ACH R/T 011000138

For \_\_\_\_\_

*Alan Sperling*

Harland Clarke

ADAM C SPERLING OR  
AMY SPERLING  
118 BELMONT ST  
READING, MA 01867-1820

2692

53-13/110 MA  
26574

8/21/2020

Date

Pay To The  
Order Of TOWN OF READING

\$ 67.<sup>50</sup>

Sixty Seven & 50/100

Dollars



Bank of America

ACH R/T 011000138

For \_\_\_\_\_

*Alan Sperling*

Harland Clarke

ADAM C SPERLING OR  
AMY SPERLING  
118 BELMONT ST  
READING, MA 01867-1820

2691

53-13/110 MA  
26574

8/21/2020

Date

Pay To The  
Order Of Commonwealth of MASSACHUSETTS

\$ 42.<sup>50</sup>

Forty two & 50/100

Dollars

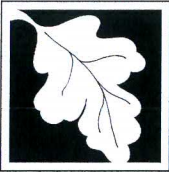


Bank of America

ACH R/T 011000138

For \_\_\_\_\_

*Alan Sperling*



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**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:

118 Belmont Street

a. Street Address

Check #2691

c. Check number

Reading

b. City/Town

\$42.50

d. Fee amount

2. Applicant Mailing Address:

Adam

a. First Name

Sperling

b. Last Name

c. Organization

118 Belmont Street

d. Mailing Address

Reading

e. City/Town

MA

f. State

01867

g. Zip Code

617-899-9505

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.

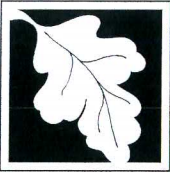
**Step 3/Individual Activity Fee:** Identify each activity fee from the six project categories listed in the instructions.

**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
Category 1(a)	1	\$110.00	\$110.00

**Step 5/Total Project Fee:** \$110.00

**Step 6/Fee Payments:**

Total Project Fee:	\$110.00
State share of filing Fee:	\$42.50
City/Town share of filling Fee:	\$67.50
	a. Total Fee from Step 5
	b. 1/2 Total Fee <b>less</b> \$12.50
	c. 1/2 Total Fee <b>plus</b> \$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.)

**Notification to Abutters Under the  
Massachusetts Wetlands Protection Act  
And the Reading Wetlands Bylaws**

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

- A. The name of the applicant is Adam Sperling.
- B. The applicant has filed a Notice of Intent with the Reading Conservation Commission of the Town of Reading seeking permission to remove, fill, dredge, or alter an area subject to protection under the wetlands protection act (General Laws Chapter 131, Section 40).
- C. The address of the lot where the activity is proposed is 118 Belmont Street.
- D. The activity consists of: razing an existing patio, install an inground swimming pool, patio, fence and associated utilities within 100 ft. buffer zone of a bordering vegetated wetland.
- E. Copies of the filing may be examined at the Conservation Commission office, Town Hall, between the hours of 7 am and 5:30 pm, Monday-Thursday, Friday's Closed.  
  
For more information, call: 781-942-6616.
- F. Copies of the Notice of Intent may be viewed at Norse Environmental Services, Inc. by calling 978- 649-9932 during the hours of 8:00 a.m. and 6:00 p.m. on the following days of the week: Monday – Thursday/Friday until 12:00 p.m.
- G. Information regarding the date, time, and place of the public hearing may be obtained from the Conservation Commission Office by calling **781- 942-6616** during the hours listed above.

**Note:** Notice of the public hearing, including its date, time, and place, will be published at least five (5) days in advance in the **Reading Daily Times Chronicle**.

**Note:** Notice of the public hearing, including its date, time, and place, will be posted in the City or Town Hall not less than forty-eight (48) hours in advance.

**Note:** You also may contact the Reading Conservation Commission, 781-942-6616 or the Department of Environmental Protection, DEP, call the Northeast Regional Office, 978-694-3200, for more information about this application or the Wetland Protection Act.



**TOWN OF READING  
16 LOWELL STREET  
READING, MA 01867-2693**

**BOARD OF ASSESSORS  
TEL.: 781-942-9027  
FAX: 781-942-9037**

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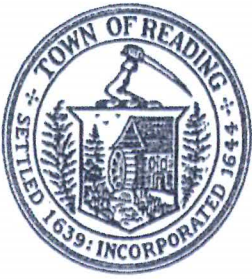
**ABUTTERS LIST  
CERTIFICATION**

**FOR BOARD OF ASSESSORS**

**VICTOR P. SANTANIELLO, CHIEF APPRAISER**

  
**PHILIP CANNIFF, ASSISTANT APPRAISER**

**DATE: 7/28/2020**



**TOWN OF READING  
16 LOWELL STREET  
READING, MA 01867-2693**

**BOARD OF ASSESSORS  
TEL.: 781-942-9027  
FAX: 781-942-9037**

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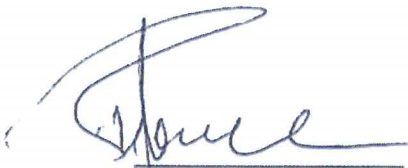
**March 5, 2019**

**To whom it may concern;**

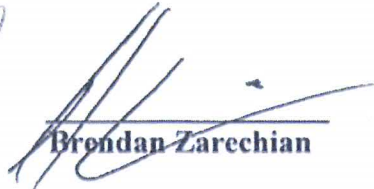
**In an effort to streamline our business practices and desire to decrease turnaround time for taxpayers and other municipal departments, please be advised that effective this date, we the Board of Assessors for the Town of Reading Hereby delegate to the Town Appraiser of the Assessing Department signatory authority of all certified abutter's lists as compiled by the department.**

**Sincerely,**

**Reading Board of Assessors**

  
**Robert N. Marshall**

  
**Michael E. Golden**

  
**Brendan Zarechian**

MAP 10 LOT 234	SITE ADDRESS	OWNER	MAILING ADDRESS	CITY	ST	ZIP
			NEIGHBORING TOWNS ALSO NEED TO BE NOTIFIED:			
		STONEHAM PLANNING BOARD	35 CENTRAL ST	STONEHAM	MA	02180
		WAKEFIELD PLANNING BOARD	1 LAFAYETTE STREET	WAKEFIELD	MA	01880
		LYNNFIELD PLANNING BOARD	55 SUMMER STREET	LYNNFIELD	MA	01940
		MASS DEPT OF HOUSING & COM. DEV.	100 CAMBRIDGE STREET, SUITE 300	BOSTON	MA	02114
		WILMINGTON PLANNING BOARD	121 GLEN ROAD	WILMINGTON	MA	01887
		NORTH READING PLANNING BOARD	235 NORTH STREET	NORTH READING	MA	01864
		WOBURN PLANNING BOARD	10 COMMON STREET	WOBURN	MA	01801
		METRO AREA PLANNING COUNCIL	60 TEMPLE PLACE	BOSTON	MA	02111



Patriot Properties

# Readina

## Abutters List

07/28/2020

8:49:13AM

**Filter Used:** DataProperty.AccountNumber in (5797,5808,5814,5787,5767,5802,5769,5768,5805,5798,5766,5804,5799,5810,5875,5812,5786,5785,5806,5803,5800,5811,5801,5809,5813,5815)

118 Belmont St Abutters list

ParcelID	Location	Owner	Co-Owner	Mailing Address	City	State Zip
028.0-0000-0083.0	142 BELMONT ST	VENTURA MARK	LYNE VENTURA	142 BELMONT ST	READING	MA 01867
028.0-0000-0084.0	134 BELMONT ST	SULLIVAN JOHN B ETAL TRUSTEE	SULLIVAN FAMILY REVOCAL	134 BELMONT ST	READING	MA 01867
028.0-0000-0085.0	133 BELMONT ST	BRADSHAW SCOTT L	BRADSHAW DEBORAH J	133 BELMONT STREET	READING	MA 01867
028.0-0000-0086.0	141 BELMONT ST	DEMILD ROBERT H JR	DEMILD PATRICIA C	141 BELMONT ST	READING	MA 01867
028.0-0000-0102.0	CHEQUESSETT RD	VENTURA BRIDITTE		1491 MASS AVE	ARLINGTON	MA 02476
028.0-0000-0103.0	20 CHEQUESSETT RD	CRANITCH DANIEL	MAUREEN A CRANITCH	20 CHEQUESSETT RD	READING	MA 01867
028.0-0000-0104.0	30 CHEQUESSETT RD	HASTINGS JASON D	HASTINGS JACQUELINE E	30 CHEQUESSETT RD	READING	MA 01867
028.0-0000-0114.0	99 BELMONT ST	JORDAN KATHERINE S TTEE	KATHERINE S JORDAN 'REV	99 BELMONT ST	READING	MA 01867
028.0-0000-0115.0	105 BELMONT ST	POLLEYS WILLIAM H ETAL TRSTEI	WILLIAM H POLLEYS LIV TR'	105 BELMONT ST	READING	MA 01867
028.0-0000-0116.0	113 BELMONT ST	CHURCHILL JOHN D TRUSTEE	THE JOHN D CHURCHILL TR	113 BELMONT ST	READING	MA 01867
028.0-0000-0117.0	121 BELMONT ST	GOODWIN SEAN T	CLARONI BETH M	121 BELMONT ST	READING	MA 01867
028.0-0000-0118.0	127 BELMONT ST	LOSI DEREK	LEWIS SARAH	127 BELMONT ST	READING	MA 01867
028.0-0000-0119.0	126 BELMONT ST	BIANCHETTO LEE C ETAL TRUSTE	BIANCHETTO FAMILY REV T	126 BELMONT STREET	READING	MA 01867
028.0-0000-0120.0	118 BELMONT ST	SPERLING ADAM	SPERLING AMY	118 BELMONT ST	READING	MA 01867
028.0-0000-0121.0	112 BELMONT ST	NELSON DELIA A LE	NELSON JEFFREY KAREN T	112 BELMONT ST	READING	MA 01867
028.0-0000-0122.0	104 BELMONT ST	NORMA J LUCEY ETAL TRUSTEES		104 BELMONT ST	READING	MA 01867
028.0-0000-0123.0	94 BELMONT ST	LITEPLO MARK C	LITEPLO KRISTEN A	94 BELMONT ST	READING	MA 01867
028.0-0000-0125.0	53 CHEQUESSETT RD	TWICHELL CHRISTOPHER C	EILEEN E POWERS-TWICHE	53 CHEQUESSETT RD	READING	MA 01867
028.0-0000-0126.0	47 CHEQUESSETT RD	JONES CHRISTOPHER E	JONES KRISTEN L	47 CHEQUESSETT RD	READING	MA 01867
028.0-0000-0127.0	41 CHEQUESSETT RD	POLLOCK ADAM N	ROBIN DEMAYO POLLOCK	41 CHEQUESSETT ROAD	READING	MA 01867
028.0-0000-0128.0	33 CHEQUESSETT RD	BURKE FRANCIS P TRUSTEE ETAL	33 CHEQUESSETT ROAD NC	33 CHEQUESSETT RD	READING	MA 01867
028.0-0000-0129.0	58 CHEQUESSETT RD	FRAZIER KEVIN M	DEBRA L FRAZIER	58 CHEQUESSETT RD	READING	MA 01867
028.0-0000-0130.0	50 CHEQUESSETT RD	O'ROURKE THOMAS B	CARMEN MARIE O'ROURKE	50 CHEQUESSETT RD	READING	MA 01867
028.0-0000-0131.0	44 CHEQUESSETT RD	BIRNBAUM ELENA BRANDANO	BIRNBAUM JESSE	44 CHEQUESSETT RD	READING	MA 01867
028.0-0000-0132.0	36 CHEQUESSETT RD	CARROLL WALTER J III	DIANE J CHAPUT	36 CHEQUESSETT RD	READING	MA 01867
028.0-0000-0194.0	CHARLES ST	TOWN OF READING	CONS	16 LOWELL STREET	READING	MA 01867

**End of Report**

AFFIDAVIT OF SERVICE

Under the Massachusetts Wetlands Protection Act, M.G.L., c.131, s.40 and Reading General Bylaws, Section 7.1

(To be submitted to the Conservation Commission when filing a Notice of Intent or Abbreviated Notice of Resource Area Delineation or Request for Determination of Applicability)

I, Steven Eriken (Name), hereby certify under the pains and penalties of perjury that on August 25, 2020 (Date), I gave notification to abutters in compliance with the second paragraph of Massachusetts General Laws, c.131, s.40, and the **DEP Guide to Abutter Notification** dated April 8, 1994, and Reading General Bylaws, Section 7.1 in connection with the following matter:

(Check the applicable form.)

- Notice of Intent  
 Abbreviated Notice of Resource Area Delineation  
 Request for Determination of Applicability

filed under M.G.L., c.131, s.40 and R.G.B., s.7.1 by  
Adam Sperling (Applicant) with the Town of Reading  
Conservation Commission on August 25, 2020 (Date) for  
property located at 118 Belmont Street (Location).

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

  
\_\_\_\_\_

Name

8-25-20

Date



**NORSE ENVIRONMENTAL SERVICES, INC.**

*92 Middlesex Road, Unit 4*

*Tyngsboro, MA 01879*

*TEL. (978) 649-9932 • FAX (978) 649-7582*

*Website: [www.norseenvironmental.com](http://www.norseenvironmental.com)*

## **Notice of Intent Report**

**For**

**118 Belmont Street**

**Reading, MA 01867**

**Prepared For**

Adam Sperling  
118 Belmont Street  
Reading, MA 01867

**Prepared By**

Norse Environmental Services, Inc.  
92 Middlesex Road, Unit 4  
Tyngsboro, MA 01879

August 2020

## **Narrative**

The applicant is proposing to raze an existing patio, install an inground swimming pool, patio, fence and associated utilities within the 100 ft. buffer zone of a bordering vegetated wetland. Erosion controls will be set and maintained for the duration of the project.

### **Site Description**

The parcel consists of 20,000 +/- s.f. located southerly on Belmont Street in Reading, MA. An existing single family dwelling, deck, patio, walkway, driveway, shed, swing set and fencing are located on the site. The lot is landscaped with lawn, ornamental shrubs and trees.

A bordering vegetated wetland or red maple swamp is located southerly or to the rear of the parcel and flagged in the field with blue ribbon and aluminum tags labeled 1A-5A. The wetland is a red maple swamp consisting of red maple (*Acer rubrum*), white pine (*Pinus strobus*) and American elm (*Ulmus americana*) in the overstory. The understory consists of sweet pepperbush (*Clethra alnifolia*) and highbush blueberry (*Vaccinium corymbosum*). The herbaceous layer consists of jewelweed (*Impatiens capensis*) and skunk cabbage (*Symplocarpus foetidus*).

The USGS Topographic Map shows no streams on site. The FIRM Map shows no Bordering Land Subject to Flooding or floodplain. The site is not located within the NHESP mapping of Estimated and/or Priority Habitat. In addition, there are no certified or potential vernal pools located on the property (see enclosed maps).

### **Soils**

The Middlesex County Soil Survey maps this site as Merrimac-Urban land complex. 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. Broad delineations are made on the map. 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.

## **Town of Reading General Bylaws and Wetland Protection Regulations**

### **Section 3 Performance Standards for Resource Areas**

#### **D. Zone of Natural Vegetation**

1. Bordering any wetland, the Commission may require a Zone of Natural Vegetation (ZNV) of sufficient width and vegetative community type to assure that silt, soil, fertilizer in solution, organic chemicals, herbicides, organic manures, oils or petroleum products which may be carried by surface run-off shall not reach that wetland, but instead will be trapped by the natural mulch, soil and roots; and that light levels and temperature shall be moderated; and that dispersal of seeds of exotic or otherwise disruptive plant species, such as phragmites reed and purple loosestrife (*Lythrum salicaria*) shall be avoided; and that other alterations shall be avoided or mitigated within the wetland.

*The proposed work is located outside the 25 ft. Zone of Natural Vegetation.*

2. Under most conditions, a zone width of a minimum of twenty-five feet would be considered sufficient to accomplish this purpose. A wider ZNV may be required, depending on specific site conditions, such as grades, soil permeability or other impact potential.

*The proposed work is located outside of the 35 ft. No-Build Zone.*

3. Excavations for proposed structures extend beyond the finished limits of the structures. The extent of excavation varies depending on: the nature of the structure; the soil; depth of excavation; type of equipment used; construction techniques; slope; incidence of precipitation; groundwater flow; soil saturation and freeze/thaw cycles; existing vegetative cover; or other ground cover. An area of curtilage is developed around structures as a result of access for finish work, maintenance, foot traffic, and machine travel such as lawnmowers; and to provide a clear area for security; and to prevent moisture damage and physical damage from shading and plant structures such as tree limbs.

*Excavation is proposed greater than 35 ft. and silt fence erosion controls will be set and maintained as shown on the plan.*

4. To protect the integrity of the Zone of Natural Vegetation, including the associated root system and canopy, no new foundations, including footings, frost walls or other inground structures, shall be permitted within ten feet of the ZNV. Depending on special site conditions, a greater distance may be required. Associated structures, including but not limited to the following: cantilevered structures, bay windows, eaves, and, garrisons, or other overhangs, may protrude to no closer than seven feet from the ZNV.

*As mentioned above, no work is proposed within the Zone of Natural Vegetation and the 35 ft. No Build Zone. The limit of work is greater than 35 ft. or 41 ft. from the bordering vegetated wetland.*

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

**Applicant:** Adam Sperling     
 **Prepared by:** Steven Eriksen     
 **Project Location:** 118 Belmont Street - Reading     
 **DEP File #:** \_\_\_\_\_

Check all that apply:

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

**Section I. Vegetation**      **Observation Plot Number:** SP-1      **Transect Number:**      **Date of Delineation:** 6-25-20

A. Sample Layer and Plant Species (by common/scientific name)	B. Percent Cover (or basal area)	C. Percent Dominance	D. Dominant Plant (yes or no)	E. Wetland Indicator Category*
<b>TREES:</b>				
Red Maple ( <i>Acer rubrum</i> )	70%	78%	Y	Fac*
White Pine ( <i>Pinus strobus</i> )	20%	22%	Y	FacU
<b>SHRUBS:</b>				
Sweet Pepperbush ( <i>Clethra alnifolia</i> )	25%	71%	Y	Fac+*
Highbush Blueberry ( <i>Vaccinium corymbosum</i> )	10%	29%	Y	FacW-*
<b>HERBACEOUS:</b>				
Jewelweed ( <i>Impatiens capensis</i> )	25%	56%	Y	FacW*
Skunk Cabbage ( <i>Symplocarpus foetidus</i> )	20%	44%	Y	Obl*

\*Use an asterisk to mark wetland indicator plants: plant species listed in the Wetlands Protection Act (MGL c.131, s.40); plants in the genus *Sphagnum*; plants listed as FAC, FAC+, FACW-, FACW, FACW+, or OBL; or plants with physiological or morphological adaptations. If any plants are identified as wetland indicator plants due to physiological or morphological adaptations, describe the adaptation next to the asterisk.  
 if *vegetation alone is presumed adequate to delineate the BVW boundary, submit this form with the Request for Determination of Applicability or Notice of Intent.*  
 MA DEP;3/95

**Vegetation conclusion:**

Number of dominant wetland indicator plants:      5     
 Number of dominant non-wetland indicator plants:      1

Is the number of dominant wetland plants equal to or greater than the number of dominant non-wetland plants?     
  Yes     
  No

Location: 118 Belmont Street - Reading

Client: Adam Sperling

Observation: SP-1

## Section II. Indicators of Hydrology

### Hydric Soil Interpretation

#### 1. Soil Survey

Is there a published soil survey for this site?  Yes  No

title/date: Web Soil Survey Middlesex County

map number: 626B

soil type mapped: Merrimac-Urban land complex

hydric soil inclusions:

Are field observations consistent with soil survey?  Yes  No

Remarks:

#### 2. Soil Description

Horizon	Depth	Matrix Color	Mottles Color
Ap	0-10"	10yr 2/2	
Bw	10-20"	10yr 3/3	

Remarks: > 20% Redoximorphic Features

#### 3. Other:

Conclusion: Is soil hydric?  Yes  No

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

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

### Delineating Bordering Vegetated Wetlands

Vegetation and Hydrology Conclusion	yes	no
Number of wetland indicator plants		
≥ number of non-wetland indicator plants	X	
Wetland hydrology present:		
Hydric soil present	X	
Other indicators of hydrology present:	X	
Sample location is in the BVW	X	

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

**Applicant:** Adam Sperling      **Prepared by:** Steven Eriksen      **Project Location:** 118 Belmont Street – Reading      **DEP File #:** \_\_\_\_\_

Check all that apply:

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

<b>Section I. Vegetation</b>	<b>Observation Plot Number:</b> SP-2	<b>Transect Number:</b>	<b>Date of Delineation:</b> 6/25/20
------------------------------	--------------------------------------	-------------------------	-------------------------------------

A. Sample Layer and Plant Species (by common/scientific name)	B. Percent Cover (or basal area)	C. Percent Dominance	D. Dominant Plant (yes or no)	E. Wetland Indicator Category*
<b>TREES:</b>				
Red Maple ( <i>Acer rubrum</i> )	70%	78%	Y	Fac*
White Pine ( <i>Pinus strobus</i> )	20%	22%	Y	FacU
<b>SHRUBS:</b>				
Sweet Pepperbush ( <i>Clethra alnifolia</i> )	20%	67%	Y	Fac+*
Highbush Blueberry ( <i>Vaccinium corymbosum</i> )	10%	33%	Y	FacW-*
<b>HERBACEOUS:</b>				
Jewelweed ( <i>Impatiens capensis</i> )	25%	100%	Y	FacW*

\*Use an asterisk to mark wetland indicator plants: plant species listed in the Wetlands Protection Act (MGL c.131, s.40); plants in the genus *Sphagnum*; plants listed as FAC, FAC+, FACW-, FACW, FACW+, or OBL; or plants with physiological or morphological adaptations. If any plants are identified as wetland indicator plants due to physiological or morphological adaptations, describe the adaptation next to the asterisk.  
*If vegetation alone is presumed adequate to delineate the BVW boundary, submit this form with the Request for Determination of Applicability or Notice of Intent.*  
 MA DEP:3/95

**Vegetation conclusion:**

**Number of dominant wetland indicator plants:** 4      **Number of dominant non-wetland indicator plants:** 1

**Is the number of dominant wetland plants equal to or greater than the number of dominant non-wetland plants?**       Yes       No

Location: 118 Belmont Street - Reading

Client: Adam Sperling

Observation: SP-2

## Section II. Indicators of Hydrology

### Hydric Soil Interpretation

#### 1. Soil Survey

Is there a published soil survey for this site?  Yes  No

title/date: Web Soil Survey Middlesex County

map number: 626B

soil type mapped: Merrimac-Urban land complex

hydric soil inclusions:

Are field observations consistent with soil survey?  Yes  No

Remarks:

#### 2. Soil Description

Horizon	Depth	Matrix Color	Mottles Color
Ap	0-9"	10yr 2/2	
Bw	9-18"	10yr 4/4	

Remarks:

#### 3. Other:

Conclusion: Is soil hydric?  Yes  No

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

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

### Delineating Bordering Vegetated Wetlands

Vegetation and Hydrology Conclusion	yes	no
Number of wetland indicator plants		
≥ number of non-wetland indicator plants	X	
Wetland hydrology present:		
Hydric soil present		X
Other indicators of hydrology present:		X
Sample location is in the BVW		X

# Tax Map

# 28

## Reading Mass. FY 2020

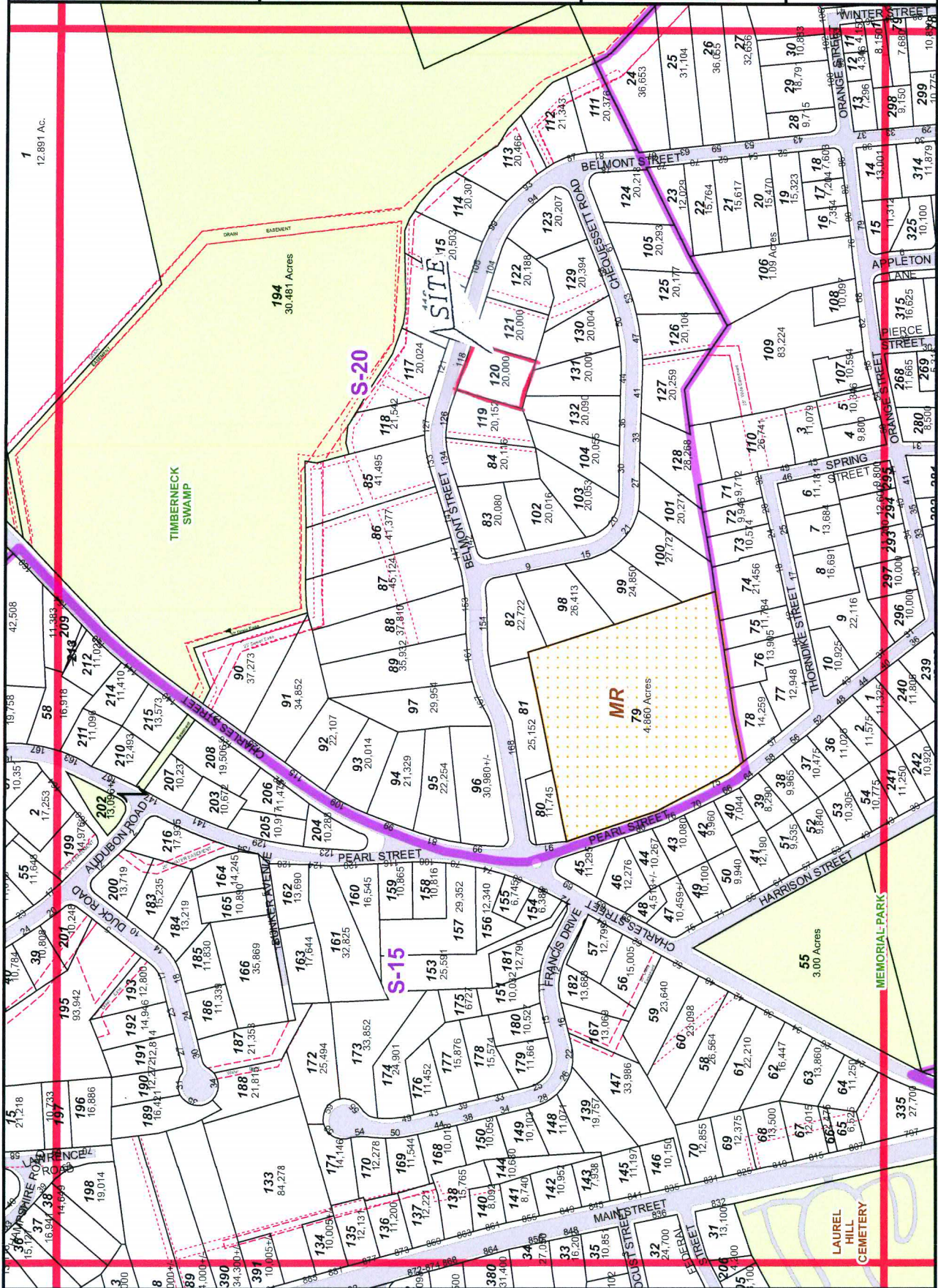


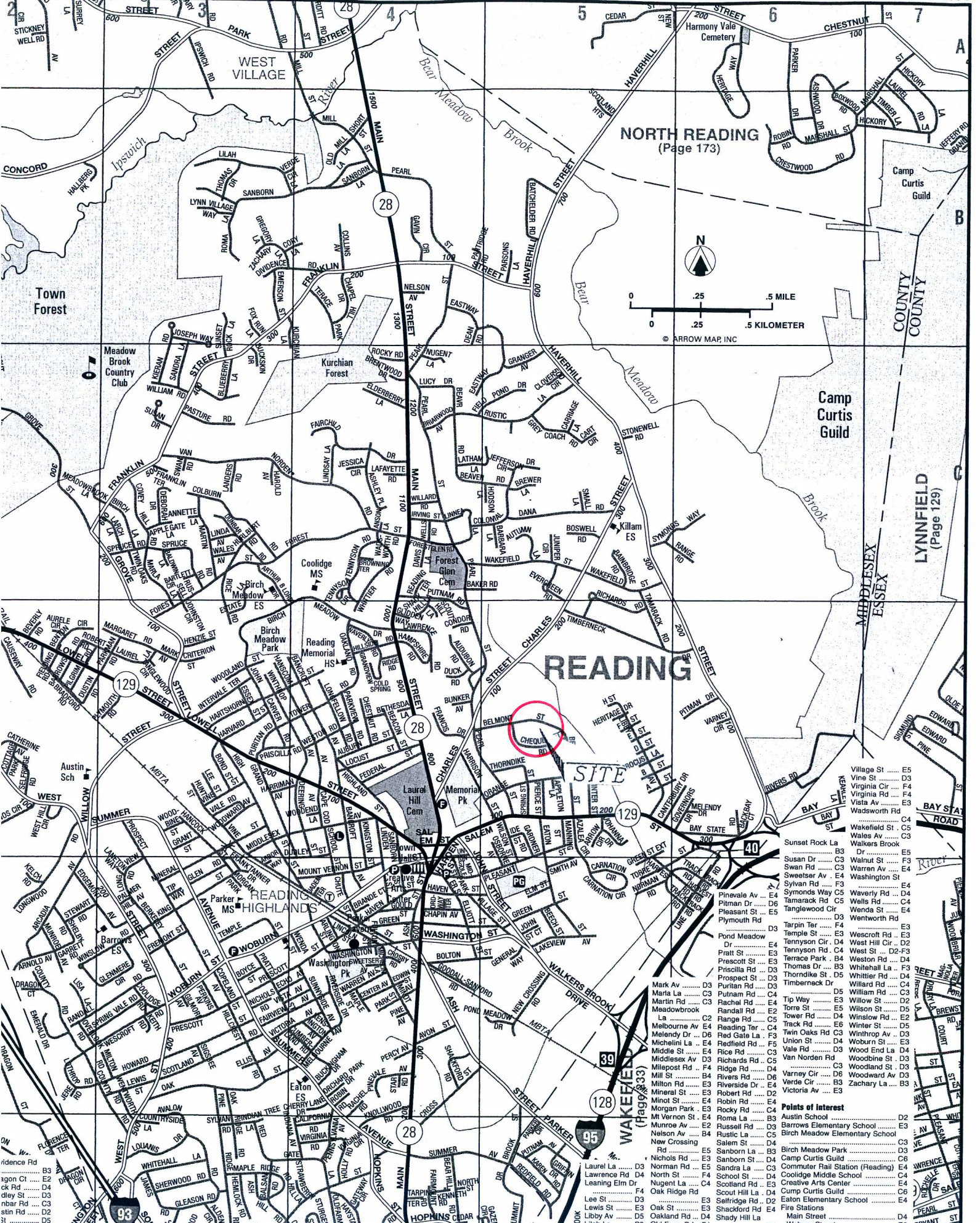
- Legend**
- Parcel Map
  - Town Boundary
  - Parcel
  - Easement
  - Unverified Easement
  - Cons. Restriction
  - Town Owned Land
  - Town Building
  - Zoning District
  - Subdistrict
  - Aquifer Prot. Dist.
  - Overlay District
  - Roads
  - Bridge
  - Paved
  - Unpaved
  - Railroad

60	61	55	56	57	58	59
49	50	51	52	53	54	43
37	38	39	40	41	42	34
32	33	34	35	36	25	26
20	21	22	23	24	19	20
15	16	17	18	14	15	16
9	10	11	12	13	6	7
3	4	5	1	2		

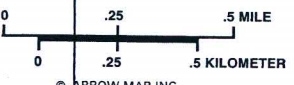
0 100 200 Ft  
1:2,600

Parcels current as of 1/1/19.  
Zoning approved 4/27/17.  
This map is for assessment purposes only and is not intended to be used in place of an actual survey or legal description of the property.





NORTH READING  
(Page 173)



# READING

SITE

- Village St ..... E5
  - Vine St ..... D3
  - Virginia Cir ..... F4
  - Virginia Rd ..... F4
  - Vista Av ..... E3
  - Wadsworth Rd ..... C4
  - Wakefield St ..... C5
  - Wales Av ..... C3
  - Walkers Brook Dr ..... B3
  - Walton St ..... F3
  - Warren Av ..... E4
  - Sweetser Av ..... E4
  - Sylvan Rd ..... F3
  - Symonds Way ..... C5
  - Tamarack Rd ..... C4
  - Tanglewood Cir ..... E4
  - Temple St ..... D3
  - Tennison Cir ..... D2
  - Tennyson Rd ..... D2
  - Terrence Park ..... C4
  - Thomas Dr ..... B3
  - Thorndike St ..... D5
  - Timberneck Dr ..... C4
  - Tip Way ..... E3
  - Torres St ..... E5
  - Track Rd ..... E6
  - Twin Oaks Rd ..... C3
  - Union St ..... D4
  - Vale Rd ..... D3
  - Van Norden Rd ..... D3
  - Vernon St ..... D4
  - Verde Cir ..... D6
  - Victoria Av ..... E3
- Points of Interest**
- Austin School ..... D2
  - Barrows Elementary School ..... E3
  - Birch Meadow Elementary School ..... C3
  - Camp Curtis Guild ..... D3
  - Birch Meadow Park ..... D3
  - Camp Curtis Guild ..... C6
  - Commuter Rail Station (Reading) ..... C4
  - Coolidge Middle School ..... E4
  - Creative Arts Center ..... E4
  - Cump Curtis Guild ..... C6
  - Eaton Elementary School ..... E4
  - Fire Stations ..... E4
  - Main Street ..... D4
  - Woburn Street ..... E3

WAKEFIELD  
(Page 193)

128

95

LAUREL

LAUREL

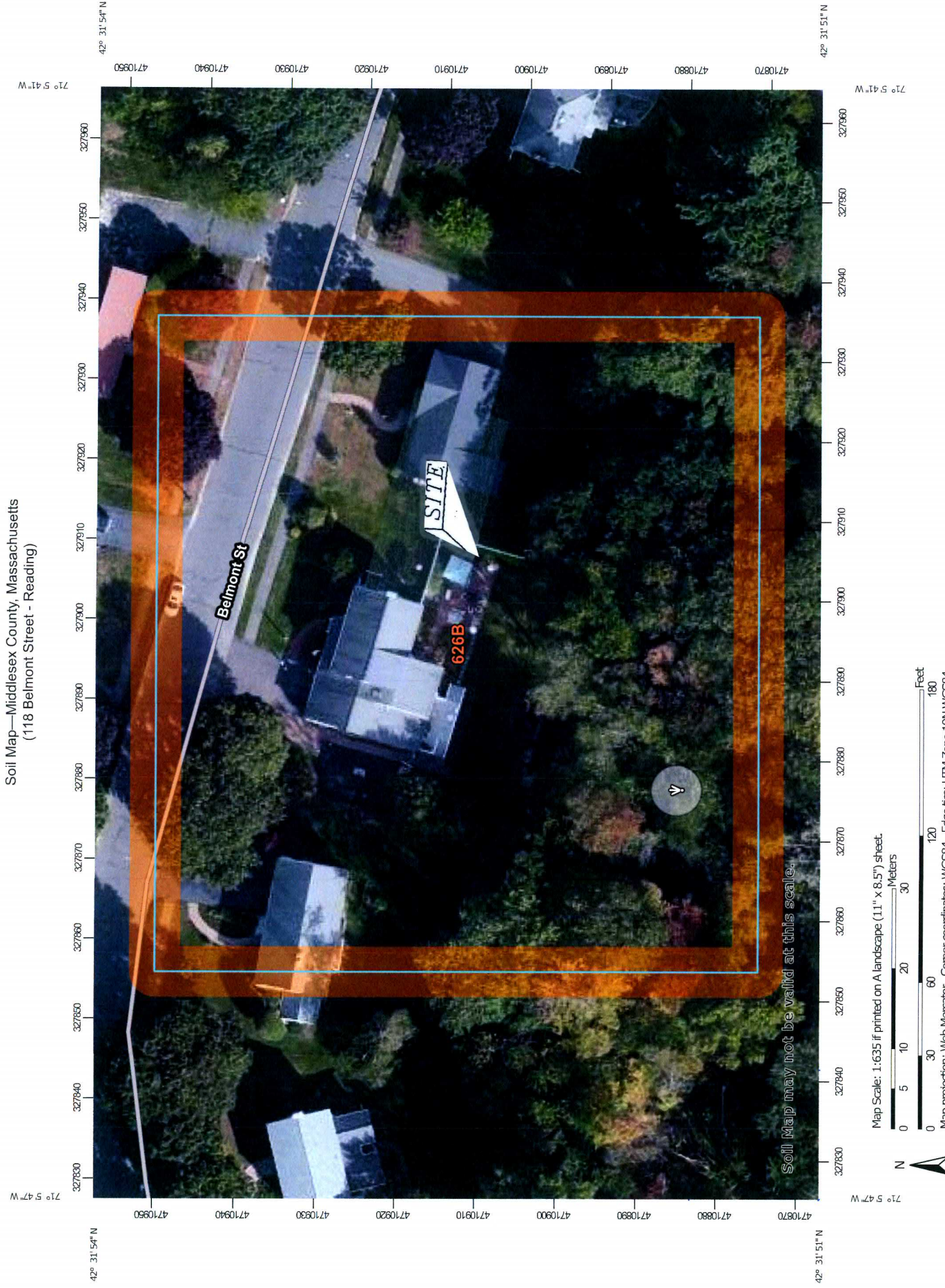
### USGS Topographic Quadrangle Maps



USGS 1:25,000 Topographic Maps for Massachusetts

Town of Reading, MassGIS, Esri Canada, Esri, HERE, Garmin, INCREMENT P, USGS, EPA, USDA | USGS, MassGIS

Soil Map—Middlesex County, Massachusetts  
(118 Belmont Street - Reading)


































Soil Map may not be valid at this scale.

Map Scale: 1:635 if printed on A landscape (11" x 8.5") sheet.



Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 19N WGS84

## MAP LEGEND

-  Area of Interest (AOI)
- Soils**
-  Soil Map Unit Polygons
-  Soil Map Unit Lines
-  Soil Map Unit Points
- Special Point Features**
-  Blowout
-  Borrow Pit
-  Clay Spot
-  Closed Depression
-  Gravel Pit
-  Gravelly Spot
-  Landfill
-  Lava Flow
-  Marsh or swamp
-  Mine or Quarry
-  Miscellaneous Water
-  Perennial Water
-  Rock Outcrop
-  Saline Spot
-  Sandy Spot
-  Severely Eroded Spot
-  Sinkhole
-  Slide or Slip
-  Sodic Spot
-  Spoon Area
-  Stony Spot
-  Very Stony Spot
-  Wet Spot
-  Other
-  Special Line Features
- Water Features**
-  Streams and Canals
- Transportation**
-  Rails
-  Interstate Highways
-  US Routes
-  Major Roads
-  Local Roads
- Background**
-  Aerial Photography

## MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:25,000.

**Warning:** Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service  
Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Middlesex County, Massachusetts  
Survey Area Data: Version 20, Jun 9, 2020

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Sep 13, 2019—Oct 5, 2019

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

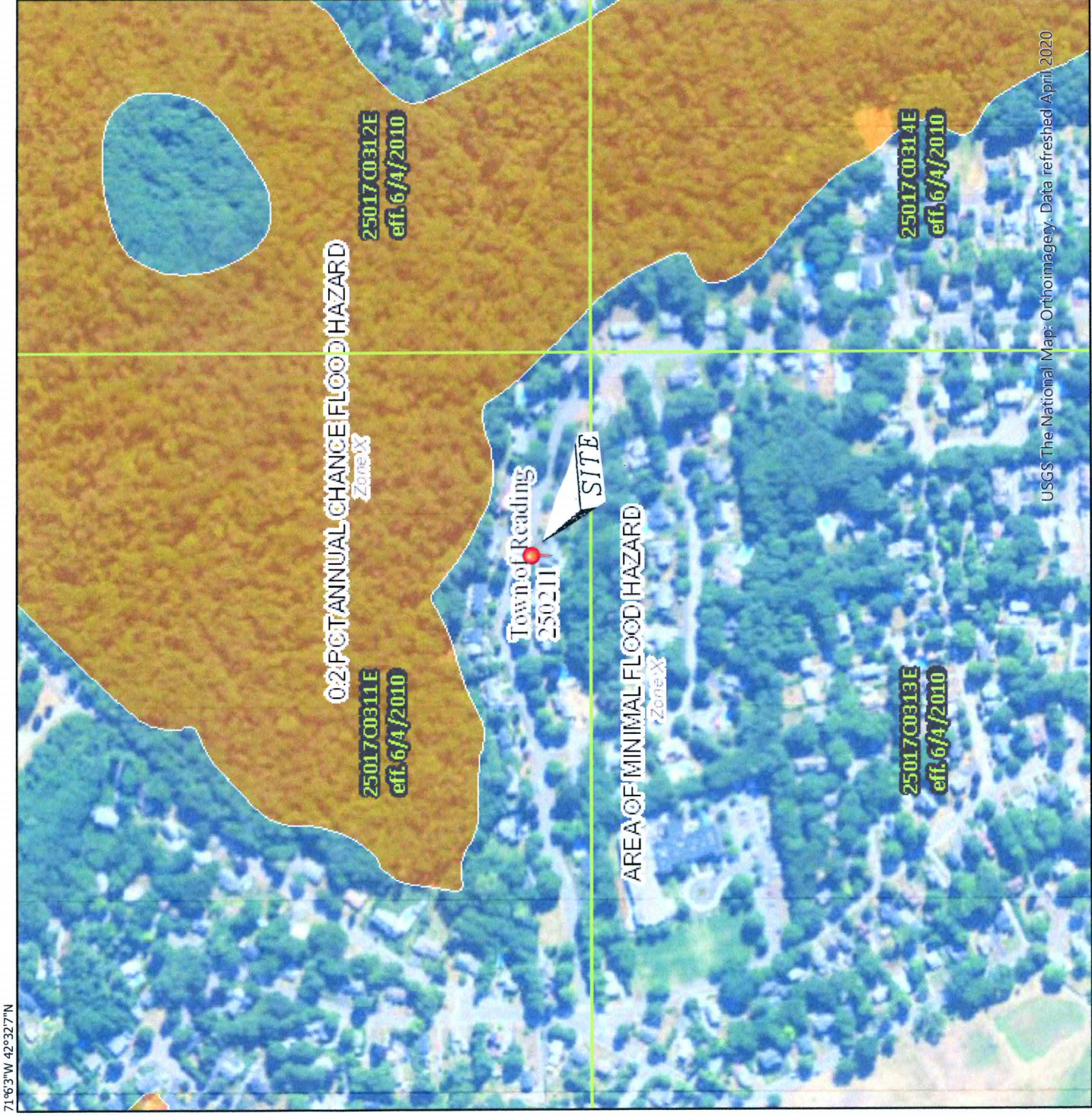
## Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
626B	Merrimac-Urban land complex, 0 to 8 percent slopes	1.5	100.0%
<b>Totals for Area of Interest</b>		<b>1.5</b>	<b>100.0%</b>

# National Flood Hazard Layer FIRMette



71°56'31"W 42°32'7"N



USGS The National Map: Orthoimagery. Data refreshed April 2020



71°56'31"W 42°31'40"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

**OTHER AREAS OF FLOOD HAZARD**

- 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**

- NO SCREEN
- Area of Minimal Flood Hazard Zone X
- Effective LOMFRs
- Area of Undetermined Flood Hazard Zone I

**GENERAL STRUCTURES**

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

**OTHER FEATURES**

- Cross Sections with 1% Annual Chance Water Surface Elevation
- Coastal Transect
- Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

**MAP PANELS**

- Digital Data Available
- No Digital Data Available
- Unmapped

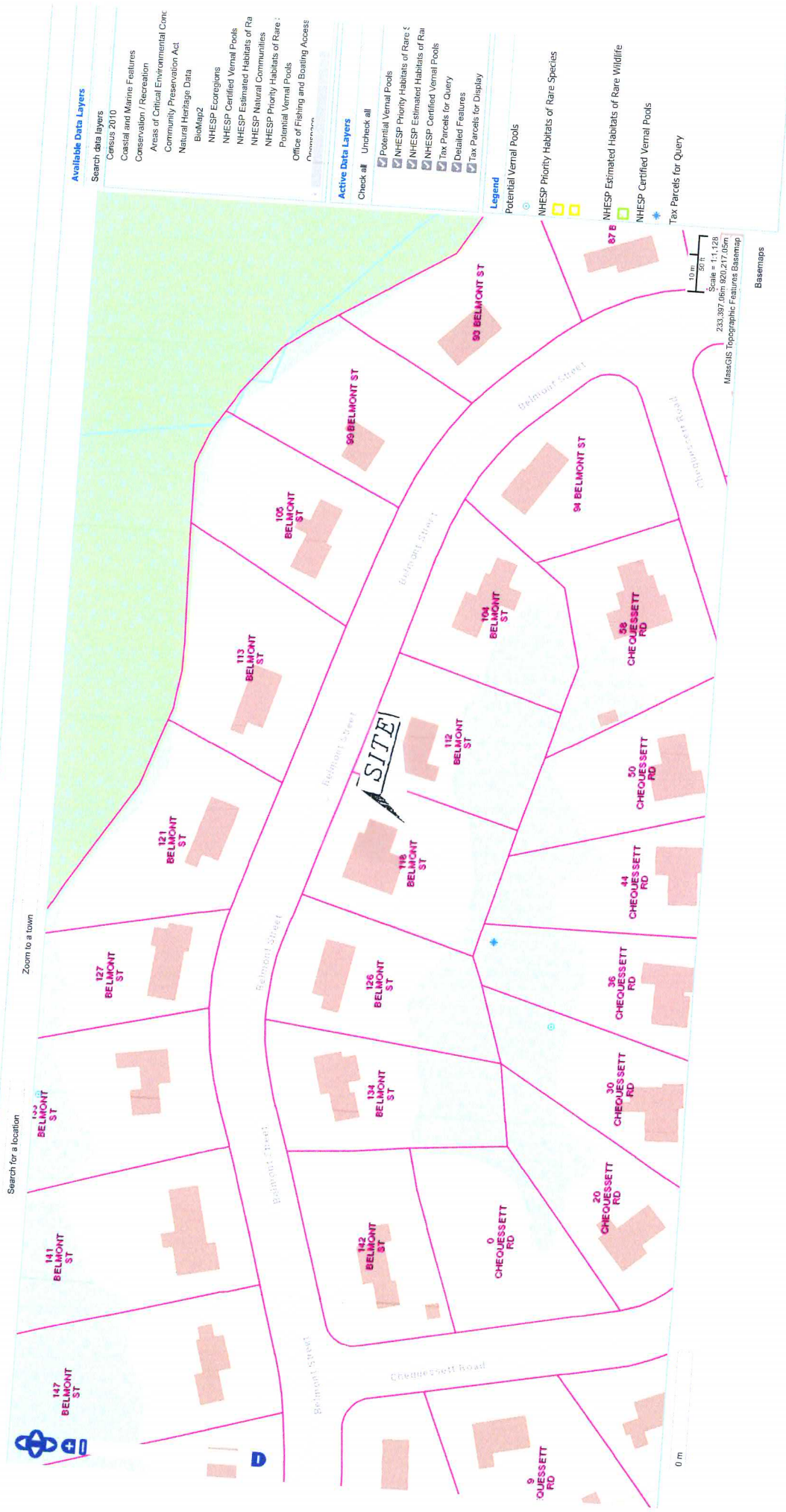


The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

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 8/13/2020 at 6:00 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.



Available Data Layers

- Search data layers
- Census 2010
  - Coastal and Marine Features Conservation / Recreation
  - Areas of Critical Environmental Conc.
  - Community Preservation Act
  - Natural Heritage Data
  - BioMap2
  - NHESP Ecoregions
  - NHESP Certified Vernal Pools
  - NHESP Estimated Habitats of Rare Wildlife
  - NHESP Natural Communities
  - NHESP Priority Habitats of Rare Wildlife
  - Potential Vernal Pools
  - Office of Fishing and Boating Access

Active Data Layers

- Check all Uncheck all
- Potential Vernal Pools
  - NHESP Priority Habitats of Rare Wildlife
  - NHESP Estimated Habitats of Rare Wildlife
  - NHESP Certified Vernal Pools
  - Tax Parcels for Query
  - Detailed Features
  - Tax Parcels for Display

Legend

- Potential Vernal Pools
- NHESP Priority Habitats of Rare Wildlife
- NHESP Estimated Habitats of Rare Wildlife
- NHESP Certified Vernal Pools
- Tax Parcels for Query

10 m 50 ft

Scale = 1:1,128

233,397.46m; 920,217.05m

MassGIS Topographic Features Basemap

Basemaps