

NOTICE OF INTENT

Filed under the Massachusetts Wetlands Protection Act and the
Town of Littleton Wetlands Bylaw

for the
Upgrade of a Failed Sewage Disposal System for an
existing Single-Family Home.

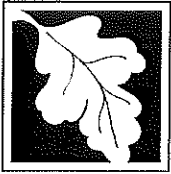
Located at
18 Ivy Road, Littleton, Massachusetts

Applicant
Frances Mazzone
Project Number 34221

Representative
Daniel B. Wolfe, P.E.
David E. Ross Associates, Inc.
Civil Engineers, Land Surveyors & Environmental Consultants
P. O. Box 795
Harvard, MA 01451

June 2023





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):

18 Ivy Road	Littleton	01460
a. Street Address	b. City/Town	c. Zip Code
Latitude and Longitude:	42.53450	-71.46675
	d. Latitude	e. Longitude
Map U17	Parcel 227	
f. Assessors Map/Plat Number	g. Parcel /Lot Number	

2. Applicant:

Frances	Mazzone	
a. First Name	b. Last Name	
c. Organization		
P.O. Box 647		
d. Street Address		
Littleton	MA	01460
e. City/Town	f. State	g. Zip Code
978-423-5167		
h. Phone Number	i. Fax Number	j. Email Address

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

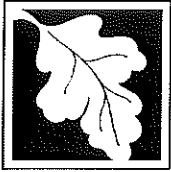
Frances	Mazzone	
a. First Name	b. Last Name	
c. Organization		
P.O. Box 647		
d. Street Address		
Littleton	MA	01460
e. City/Town	f. State	g. Zip Code
978-423-5167		
h. Phone Number	i. Fax Number	j. Email address

4. Representative (if any):

Daniel	Wolfe	
a. First Name	b. Last Name	
David E. Ross Associates, Inc.		
c. Company		
6 Lancaster County Road, P.O. Box 795		
d. Street Address		
Harvard	MA	01451
e. City/Town	f. State	g. Zip Code
978-772-6232	978-772-6258	dwolfe@davidross.com
h. Phone Number	i. Fax Number	j. Email address

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:

This project proposes the upgrade of a failing sewage disposal system with the installation of a 4,000-gallon Holding Tank within the 100-foot buffer zone.

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:

Middlesex - South

a. County

15612

c. Book

b. Certificate # (if registered land)

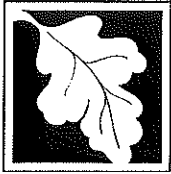
439

d. Page Number

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

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

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



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

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

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

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

N/A
square feet

4. Proposed alteration of the Riverfront Area:

N/A	N/A	N/A
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	N/A 1. square feet N/A 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	N/A 1. square feet	N/A 2. cubic yards beach nourishment
e. <input type="checkbox"/> Coastal Dunes	N/A 1. square feet	N/A 2. cubic yards dune nourishment
	<u>Size of Proposed Alteration</u>	<u>Proposed Replacement (if any)</u>
f. <input type="checkbox"/> Coastal Banks	N/A 1. linear feet	
g. <input type="checkbox"/> Rocky Intertidal Shores	N/A 1. square feet	
h. <input type="checkbox"/> Salt Marshes	N/A 1. square feet	N/A 2. sq ft restoration, rehab., creation
i. <input type="checkbox"/> Land Under Salt Ponds	N/A 1. square feet N/A 2. cubic yards dredged	
j. <input type="checkbox"/> Land Containing Shellfish	N/A 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 N/A 1. cubic yards dredged	
l. <input type="checkbox"/> Land Subject to Coastal Storm Flowage	N/A 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.	
	N/A a. square feet of BVW	N/A b. square feet of Salt Marsh
5. <input type="checkbox"/> Project Involves Stream Crossings		
	N/A a. number of new stream crossings	N/A 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

MassGIS - 6/2023

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

N/A

percentage/acreage

(b) outside Resource Area

N/A

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 **

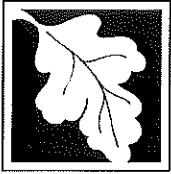
(a) ☐ Project description (including description of impacts outside of wetland resource area & buffer zone)

(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. N/A N/A
a. NHESP Tracking # b. Date submitted to NHESP

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

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

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

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

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

North Shore - Hull to New Hampshire border:

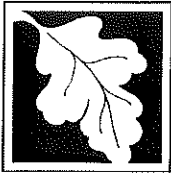
Division of Marine Fisheries -
Southeast Marine Fisheries Station
Attn: Environmental Reviewer
836 South Rodney French Blvd.
New Bedford, MA 02744
Email: dmf.envreview-south@mass.gov

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

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

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

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



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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.

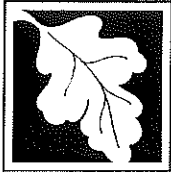
D. Additional Information

- ☐ 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.



Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands

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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.

Sewage Disposal System Holding Tank Plan prepared for Frances Mazzone

a. Plan Title

David E. Ross Associates, Inc.

Daniel B. Wolfe, P.E.

b. Prepared By

c. Signed and Stamped by

6/19/23

1"=10'

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:

5295

2. Municipal Check Number

6/13/23

3. Check date

5294

4. State Check Number

6/13/23

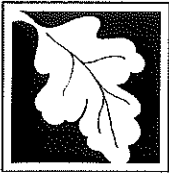
5. Check date

Frances

6. Payor name on check: First Name

Mazzone

7. Payor name on check: Last Name



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F. Signatures and Submittal Requirements

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

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

Doreen B. Wolf, AS AGENT
1. Signature of Applicant

6-20-23
2. Date

3. Signature of Property Owner (if different)

Doreen B. Wolf
5. Signature of Representative (if any)

4. Date

6-20-23
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.



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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:

18 Ivy Road

a. Street Address

5294

c. Check number

Littleton

b. City/Town

\$42.50

d. Fee amount

2. Applicant Mailing Address:

Frances

a. First Name

Mazzone

b. Last Name

c. Organization

P.O. Box 647

d. Mailing Address

Littleton

e. City/Town

MA

f. State

01460

g. Zip Code

978-423-5167

h. Phone Number

i. Fax Number

j. Email Address

3. Property Owner (if different):

Frances

a. First Name

Mazzone

b. Last Name

c. Organization

P.O. Box 647

d. Mailing Address

Littleton

e. City/Town

MA

f. State

01460

g. Zip Code

978-423-5167

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
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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
Upgrade of Sewage Disposal System for Single-Family Home	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:	a. Total Fee from Step 5 \$42.50
City/Town share of filling Fee:	b. 1/2 Total Fee less \$12.50 \$67.50 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.)

WPA Attachment A.

Massachusetts Wetlands Protection Act M.G.L. c. 131 s. 40

Proposed Project Description

Location: 18 Ivy Road, Littleton, MA.

Owner: Frances Mazzone

Project No. 34221

The scope of this project is to upgrade the existing failing sewage disposal system to a 4,000-gallon Holding Tank. This lot is completely within the 100-foot buffer zone of a bordering vegetated wetland and, due to the sensitive nature of this site along with the shallow depths to groundwater, a conventional system is not proposed.

A siltation barrier is proposed to be placed on the downhill gradient of all disturbed surfaces within the buffer zone. This barrier will also serve as a limit of work area. All disturbed areas will be returned to pre-construction conditions with loam and seed, following the construction, to stabilize the areas.

Wetland Resource Areas:

A site visit was conducted on November 4, 2022, to evaluate the above referenced site with regard to the presence of Wetland Resource Areas, as defined by the Massachusetts Wetlands Protection Act (M.G.L. c. 131 s. 40) and Regulations (310 CMR 10.00) and by the Federal Clean Water Act (Section 404) and the Town of Littleton Wetlands Protection Bylaw.

Soil observation points were taken using a hand auger and vegetation was examined in areas where “saturated or inundated” conditions were noted. From these points, transects were run perpendicular to slope until upland soils and vegetation were encountered. The information obtained from these transects was then used to determine the flag locations along the wetland boundary.

Hydric Soil Probe OP-1: (Transect at WF-A2)

0-8”	A	Fine sandy loam	10YR 2/2
8”-16”	B	Fine sandy loam	10YR 5/2
Saturated to Surface			
Groundwater at 4”			

Trees:

Norway Maple (<i>Acer platanoides</i> L.)	60%	UPL
--	-----	-----

Ground Cover:

Jewelweed (<i>Impatiens capensis</i>)	40%	FACW
Sensitive Fern (<i>Onoclea sensibilis</i>)	30%	FACW

WPA Attachment A.

Massachusetts Wetlands Protection Act M.G.L. c. 131 s. 40

Proposed Project Description

Upland Soil Probe OP-2: (Transect at WF-A2)

0" -7"	A	Fine sandy loam	10YR 3/2
7"-18"	Bw	Fine sandy loam	10YR 5/6
No Groundwater or Redox features			

Trees:

Norway Maple (<i>Acer platanoides</i> L.)	60%	UPL
White Ash (<i>Fraxinus americana</i>)	40%	FACU

Upland Soil Probe OP-3: (Low Area Southeast of Existing House)

0" -7"	A	Fine sandy loam	10YR 3/2
7"-22"	Bw	Fine sandy loam	10YR 5/6
Redox Features at 19"			
Groundwater at 21"			

Trees:

Norway Maple (<i>Acer platanoides</i> L.)	60%	UPL
White Ash (<i>Fraxinus americana</i>)	40%	FACU
Black Cherry (<i>Prunus serotina</i>)	20%	FACU

An "A" series of wetland flags were placed along a Bordering Vegetated Wetland (BVW) associated with an intermittent stream that runs west of the existing house. This intermittent stream continues southwest, under Juniper Road, and eventually deposits into Long Pond. The table below identifies wetland flags that were placed in the field along the BVW:

	Flag ID	Flag Numbers
BVW Boundary (A – Series)	Blue Flags	WF A1 – WF A11

The wetland is considered a Bordering Vegetated Wetlands (BVW) as pursuant to 310 CMR 10.55(2)(a). The boundary of the wetland was delineated in the field according to regulation 10.55(2)(c) which states that:

“the boundary of Bordering Vegetated Wetlands is the line with which 50% of more of the vegetational community consists of wetland indicator plants and where saturated or inundated conditions exist.”

There is a Buffer Zone that extends 100-feet landward from the edge of the Bordering Vegetated Wetlands.

WPA Attachment A.

Massachusetts Wetlands Protection Act M.G.L. c. 131 s. 40

Proposed Project Description

Upon reviewing the most recently available Flood Insurance Rate Map for the Town of Littleton, the project site does not have any areas on the site subject to inundation during the 100-year frequency storm event, which would be considered Bordering Land Subject to Flooding. This information was obtained from the Federal Flood Insurance Rate (FIRM) Flood Plain Map 25017C0237F for Littleton, Massachusetts dated July 7, 2014.

In accordance with regulation 310 CMR 10.59, no project may be permitted which will have an adverse effect on specified habitat sites of rare vertebrate or invertebrate species. Specified habitat sites of rare species have been identified by the Massachusetts Natural Heritage and Endangered Species Program of the Division of Fisheries and Wildlife. The Massachusetts Natural Heritage Atlas 14th Edition indicates that there are no habitat sites of rare species and wildlife or certified vernal pools on the project site.

Supplemental Information:

- No portion of the work is located within an NHESP Priority and Estimated Habitat Area.
- No portion of the project is located within an ACEC.
- None of the disturbances are located within the FEMA 100-year flood zone.
- There are no Outstanding Resource Waters on the site.



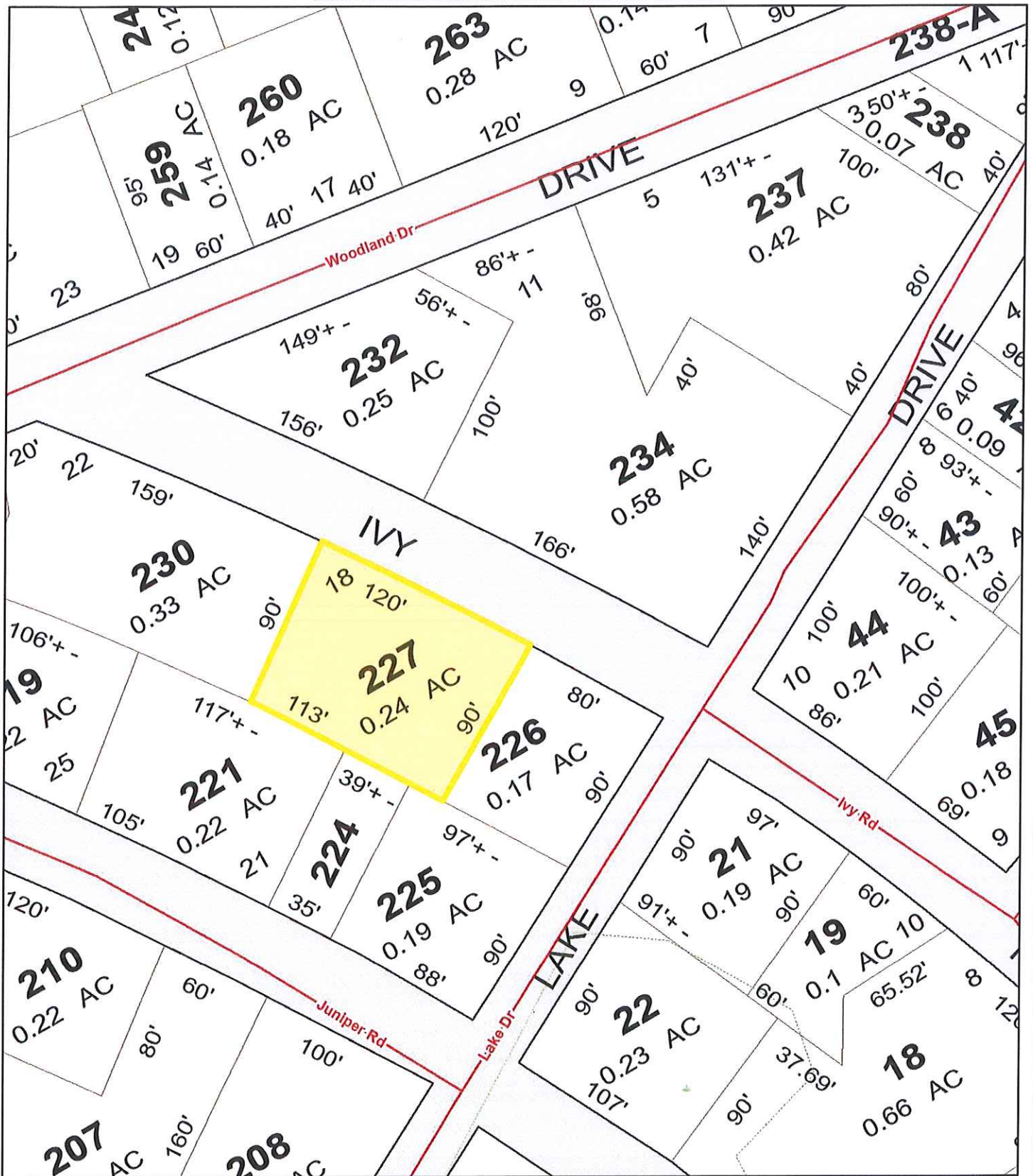
Littleton, MA

1 inch = 69 Feet



www.cai-tech.com

April 24, 2023



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

DAVID E. ROSS ASSOCIATES, INC.

Civil Engineers, Land Surveyors, Environmental Consultants

USGS

Site: #18 Ivy Road – Littleton, MA
(Map U17 – Parcel 277)

Source: Current Mass GIS (http://maps.massgis.state.ma.us/map_ol/oliver.php)



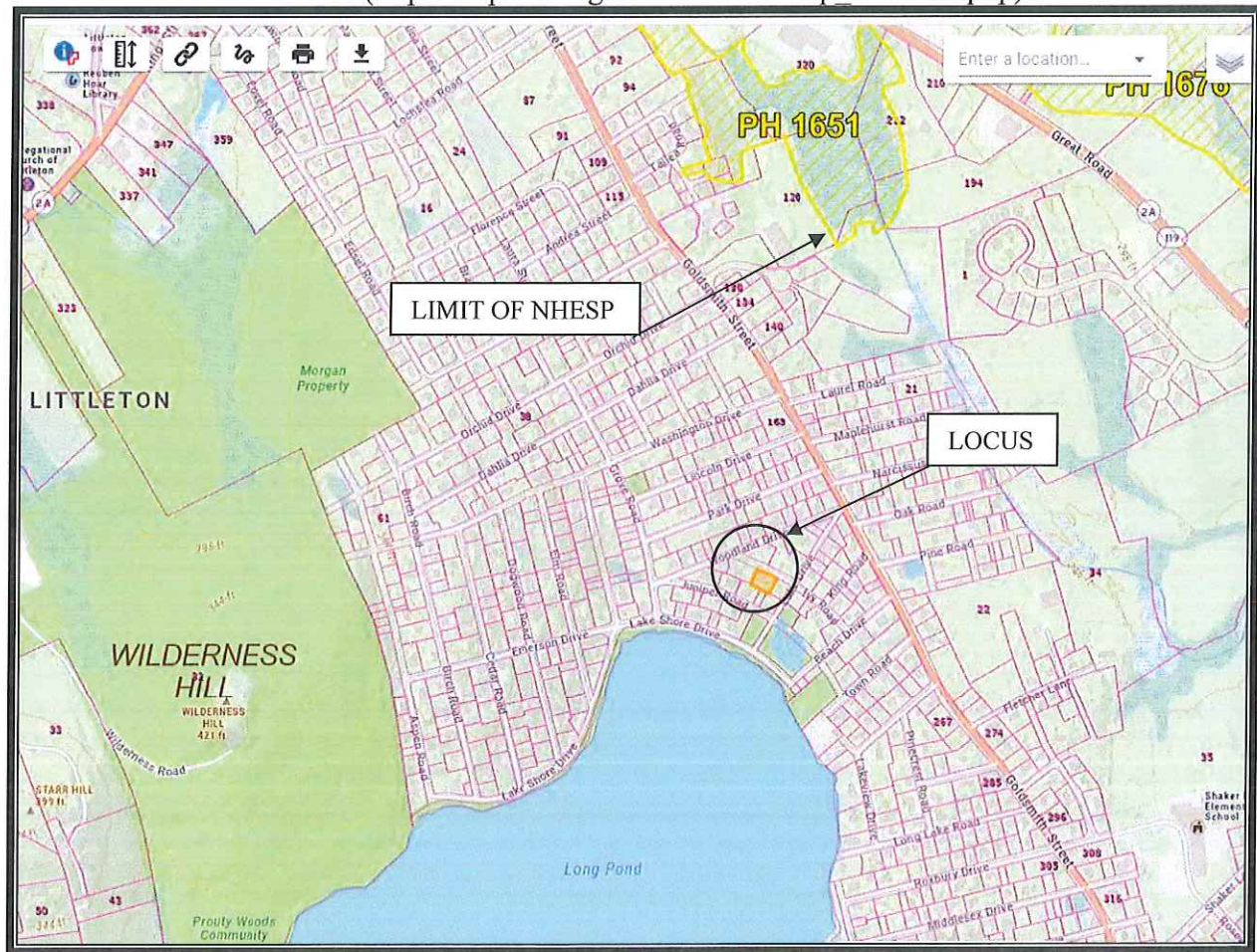
DAVID E. ROSS ASSOCIATES, INC.

Civil Engineers, Land Surveyors, Environmental Consultants

NHESP

Site: #18 Ivy Road – Littleton, MA
(Map U17 – Parcel 277)

Source: Current Mass GIS (http://maps.massgis.state.ma.us/map_ol/oliver.php)



National Flood Hazard Layer FIRMette

71°28'19"W 42°32'18"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, Area of 1% annual chance flood with average depth less than one foot or with draining areas of less than one square mile Zone I
- 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 LOMRs
- 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 4/24/2023 at 12:16 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.



71°27'42"W 42°31'51"N

0 250 500 1,000 1,500 2,000 Feet 1:6,000

AFFIDAVIT OF SERVICE

Under the Massachusetts Wetlands Protection Act

To be submitted to the Massachusetts Department of
Environmental Protection and the Conservation Commission
when filing a Notice of Intent.

I, **Daniel B. Wolfe**, hereby certify under the pains and penalties of perjury that on June 20, 2023, I gave notification to abutters in compliance with the second paragraph of Massachusetts General Laws Chapter 131, Section 40, and the DEP Guide to Abutter Notification dated April 8, 1994 in connection with the following matter:

A Notice of Intent was filed under the Massachusetts Wetlands
Protection Act by **Frances Mazzone**
with the Littleton Conservation Commission

for property located at 18 Ivy Road

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


Name

6-20-23
Date

Notification to Abutters
Under the MASSACHUSETTS WETLANDS PROTECTION ACT
AND THE LUNENBURG WETLANDS BYLAW
[CMR 310 10.00]

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

Applicant: Frances Mazzone
Municipality: Littleton, MA

Project Description (as it applies under the Massachusetts Wetlands Protections Act): A Notice of Intent has been filed with the Littleton Conservation Commission for the upgrade/repair of a sewage disposal system serving an existing single-family home. All work is proposed to be performed within the 100' buffer zone.

Address of Lot where project is proposed: 18 Ivy Road
Assessor's Map U17, Parcel 227

Copies of the **Notice of Intent** may be examined at the Littleton Conservation Commission Office between the hours of 9:00 AM and 1:00 PM, Monday through Thursday.

For more information call: (978) 540-2428.

Copies of the Notice of Intent may be obtained from the ☐ Applicant, or the ☒ Applicants Representative by calling this telephone number: (978) 772-6232 between 8:00 AM and 4:30 PM - Monday through Friday, (\$10.00 copying cost).

Information regarding the date, time and place of the public hearing may be obtained from the Littleton Conservation Commission by calling this telephone number (978) 540-2428.

Notice of the Public Hearing, including date, time, and place will be published at least five (5) days in advance in the Lowell Sun



**TOWN OF LITTLETON
BOARD OF ASSESSORS**

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

Date: May 8, 2023

Re: Certified List of Abutters Conservation Commission

Applicant: Pam Taylor

Name of Firm: David E Ross Associates

Mailing Address 6 Lancaster County Rd, Harvard, MA 01451

Subject Parcel Location: 18 Ivy Rd

Subject Parcel No.: U17 227 0

Subject Owner Name: Gene & Frances Mazzone

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) 9

Certified by:

April Iannacone, Assistant Assessor

25 JUNIPER RD U17 219 0

LUC: 101

ROUNCE ROBERT R
ROUNCE ELIZABETH
25 JUNIPER RD
LITTLETON, MA 01460

21 JUNIPER RD U17 221 0

LUC: 101

GIBLIN MICHAEL J
GIBLIN DEBORAH A
21 JUNIPER RD
LITTLETON, MA 01460

JUNIPER RD U17 224 0

LUC: 132

GIBLIN MICHAEL J
GIBLIN DEBORAH A
21 JUNIPER RD
LITTLETON, MA 01460

JUNIPER RD U17 225 0

LUC: 132

MAZZONE FRANCES
P.O. BOX 647
LITTLETON, MA 01460

IVY RD U17 226 0

LUC: 132

BARRETT JOHN J
BARRETT DEBRA M
151 EAST ST
WRENTHAM, MA 02093

18 IVY RD U17 227 0

LUC: 101

MAZZONE GENE E
MAZZONE FRANCES
P.O. BOX 647
LITTLETON, MA 01460

22 WOODLAND DR U17 230 0

LUC: 101

ROBERTS KENNETH A
ROBERTS VICKI A
22 WOODLAND DR
LITTLETON, MA 01460

IVY RD U17 232 0

LUC: 132

HAM H. RUDMAN
11 LAKE DR
LITTLETON, MA 01460

11 LAKE DR U17 234 0

LUC: 109

HAM (A/K/A HAMM) H RUDMAN
HAM (A/K/A HAMM) JANET K
11 LAKE DR
LITTLETON, MA 01460