

NOTICE OF INTENT

19 Appleton Lane
Boxford, Massachusetts
Assessors Map 19, Block 2, Parcel 33

May 22, 2019

Applicant:

William T. Hall
19 Appleton Lane
Boxford, MA 01921

Prepared By:

Williams & Sparages, LLC
189 North Main Street, Suite 101
Middleton, MA 01949
Ph: 978-539-8088
Fax: 978-539-8200
www.wsengineers.com

W&S Project No:

BOXF-0064





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

MassDEP File Number _____
 Document Transaction Number _____
 Boxford
 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):

19 Appleton Lane Boxford 01921
 a. Street Address b. City/Town c. Zip Code
 Latitude and Longitude: 42.68898 N 71.01340 W
 d. Latitude e. Longitude
Map 19 Block 2, Parcel 33
 f. Assessors Map/Plat Number g. Parcel /Lot Number

2. Applicant:

William T. Hall
 a. First Name b. Last Name
 c. Organization
19 Appleton Lane
 d. Street Address
Boxford MA 01921
 e. City/Town f. State g. Zip Code
617-959-7606 bill.hall94@gmail.com
 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):

Greg Hochmuth
 a. First Name b. Last Name
Williams & Sparages LLC
 c. Company
189 North Main Street, Suite 101
 d. Street Address
Middleton MA 01949
 e. City/Town f. State g. Zip Code
978-539-8088 978-539-8200 ghochmuth@wsengineers.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:

To construct a paver patio, retaining wall and conduct grading activities within the 100 foot buffer zone to Bordering Vegetated Wetlands.

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:

Essex

a. County

23277

c. Book

b. Certificate # (if registered land)

441

d. Page Number

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

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

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



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

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

<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. Riverfront Area
1. Name of Waterway (if available) - **specify coastal or inland** _____
2. Width of Riverfront Area (check one):
- 25 ft. - Designated Densely Developed Areas only
 - 100 ft. - New agricultural projects only
 - 200 ft. - All other projects

3. Total area of Riverfront Area on the site of the proposed project: _____ square feet

4. Proposed alteration of the Riverfront Area:

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

5. Has an alternatives analysis been done and is it attached to this NOI? Yes No

6. Was the lot where the activity is proposed created prior to August 1, 1996? Yes No

3. Coastal Resource Areas: (See 310 CMR 10.25-10.35)

Note: for coastal riverfront areas, please complete **Section B.2.f.** above.



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

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

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

<u>Resource Area</u>	<u>Size of Proposed Alteration</u>	<u>Proposed Replacement (if any)</u>
a. <input type="checkbox"/> Designated Port Areas	Indicate size under Land Under the Ocean, below	
b. <input type="checkbox"/> Land Under the Ocean	_____	
	1. square feet	

	2. cubic yards dredged	
c. <input type="checkbox"/> Barrier Beach	Indicate size under Coastal Beaches and/or Coastal Dunes below	
d. <input type="checkbox"/> Coastal Beaches	_____	_____
	1. square feet	2. cubic yards beach nourishment
e. <input type="checkbox"/> Coastal Dunes	_____	_____
	1. square feet	2. cubic yards dune nourishment
	<u>Size of Proposed Alteration</u>	<u>Proposed Replacement (if any)</u>
f. <input type="checkbox"/> Coastal Banks	_____	
	1. linear feet	
g. <input type="checkbox"/> Rocky Intertidal Shores	_____	
	1. square feet	
h. <input type="checkbox"/> Salt Marshes	_____	_____
	1. square feet	2. sq ft restoration, rehab., creation
i. <input type="checkbox"/> Land Under Salt Ponds	_____	
	1. square feet	

	2. cubic yards dredged	
j. <input type="checkbox"/> Land Containing Shellfish	_____	
	1. square feet	
k. <input type="checkbox"/> Fish Runs	Indicate size under Coastal Banks, inland Bank, Land Under the Ocean, and/or inland Land Under Waterbodies and Waterways, above	

	1. cubic yards dredged	
l. <input type="checkbox"/> Land Subject to Coastal Storm Flowage	_____	
	1. square feet	
4. <input type="checkbox"/> Restoration/Enhancement	If the project is for the purpose of restoring or enhancing a wetland resource area in addition to the square footage that has been entered in Section B.2.b or B.3.h above, please enter the additional amount here.	
	_____	_____
	a. square feet of BVW	b. square feet of Salt Marsh
5. <input type="checkbox"/> Project Involves Stream Crossings		
	_____	_____
	a. number of new stream crossings	b. number of replacement stream crossings



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C. Other Applicable Standards and Requirements

- This is a proposal for an Ecological Restoration Limited Project. Skip Section C and complete Appendix A: Ecological Restoration Limited Project Checklists – Required Actions (310 CMR 10.11).

Streamlined Massachusetts Endangered Species Act/Wetlands Protection Act Review

1. Is any portion of the proposed project located in **Estimated Habitat of Rare Wildlife** as indicated on the most recent Estimated Habitat Map of State-Listed Rare Wetland Wildlife published by the Natural Heritage and Endangered Species Program (NHESP)? To view habitat maps, see the *Massachusetts Natural Heritage Atlas* or go to http://maps.massgis.state.ma.us/PRI_EST_HAB/viewer.htm.

- 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

- 8/1/2017
 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/nhesp/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/nhesp/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

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

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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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 equal to 4 units in multi-family housing project) with no discharge to Critical Areas.

D. Additional Information

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

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

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

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



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Boxford

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.

Plot Plan of Land

a. Plan Title

Sullivan Engineering Group, LLC

Jack Sullivan

b. Prepared By

c. Signed and Stamped by

5/22/2019

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:

727

2. Municipal Check Number

5/22/2019

3. Check date

726

4. State Check Number

5/22/2019

5. Check date

William

6. Payor name on check: First Name

Hall

7. Payor name on check: Last Name

Jennifer P Dumas or
William T Hall
19 Appleton Ln
Boxford, MA 01921-1633

726
53-13/110 MA
6010

5/22/19

Date

Pay to the Order of Commonwealth of Massachusetts \$ 42.50
Forty Two 50/100 Dollars

Bank of America

ACH R/T 011000138

For

William T Hall

⑆011000138⑆ 009487055425⑈0726

Jennifer P Dumas or
William T Hall
19 Appleton Ln
Boxford, MA 01921-1633

727
53-13/110 MA
6010

5.22.19

Date

Pay to the Order of Town of Boxford \$ 67.50
Sixty Seven 50/100 Dollars

Bank of America

ACH R/T 011000138

For

William T Hall

⑆011000138⑆ 009487055425⑈0727

Jennifer P Dumas or
William T Hall
19 Appleton Ln
Boxford, MA 01921-1633

728
53-13/110 MA
6010

5.22.19

Date

Pay to the Order of Town of Boxford \$ 400.00
Four Hundred 00/100 Dollars

Bank of America

ACH R/T 011000138

For

William T Hall

⑆011000138⑆ 009487055425⑈0728



WPA Form 3 – Notice of Intent

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Boxford

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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.

William Hall

1. Signature of Applicant

5.22.19

2. Date

William Hall

3. Signature of Property Owner (if different)

5.22.19

4. Date

[Signature]

5. Signature of Representative (if any)

5-22-2019

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:

19 Appleton Lane

a. Street Address

726

c. Check number

Boxford

b. City/Town

\$42.50

d. Fee amount

2. Applicant Mailing Address:

William T.

a. First Name

Hall

b. Last Name

c. Organization

19 Appleton Lane

d. Mailing Address

Boxford

e. City/Town

MA

f. State

01921

g. Zip Code

617-959-7606

h. Phone Number

i. Fax Number

bill.hall94@gmail.com

j. Email Address

3. Property Owner (if different):

a. First Name

b. Last Name

c. Organization

d. Mailing Address

e. City/Town

f. State

g. Zip Code

h. Phone Number

i. Fax Number

j. Email Address

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

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.

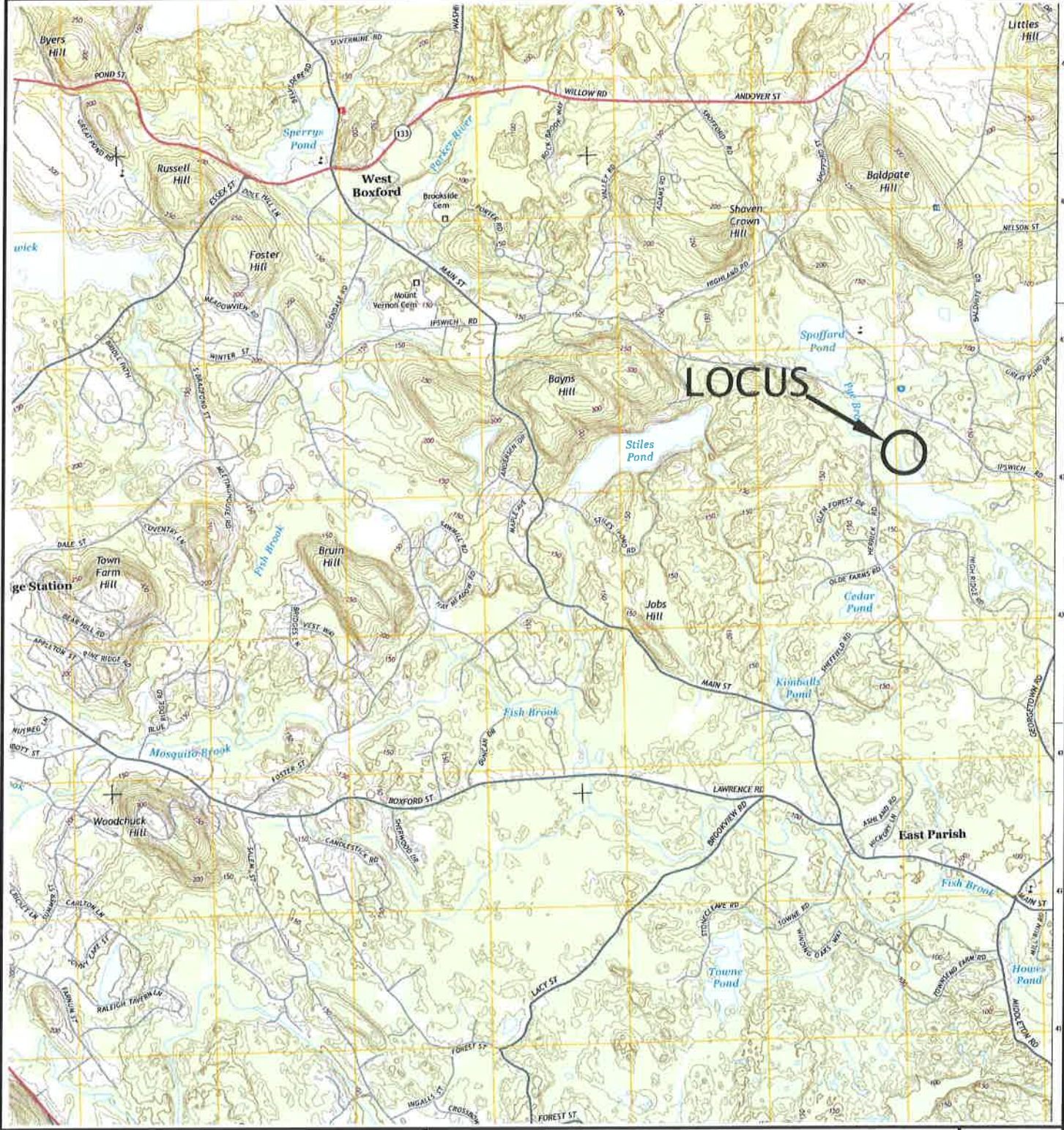
Step 5/Total Project Fee: Determine the total project fee by adding the subtotal amounts from Step 4.

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.

WILLIAMS & SPARAGES
CIVIL ENGINEERING &
LAND SURVEYORS



189 NORTH MAIN STREET
SUITE 101
MIDDLETON, MA 01949
PHONE: (978) 539-8088
FAX: (978) 539-8200



UNITED STATES GEOLOGIC SURVEY MAP
SOUTH GROVELAND, MASS QUAD
SCALE: 1:24,000 (metric contours)

LOCUS MAP
19 APPLETON LANE
BOXFORD, MA 01921



Project Narrative

19 Appleton Lane
Boxford, MA 01921

Introduction:

The subject parcel is identified as Map 19, Block 2, Parcel 33 and otherwise known as 19 Appleton Lane. The 2.11 Acre lot is developed with a single family dwelling that according to the Boxford Assessors Department was built in 1987. The subject property is shown as lot 15 on a Definitive Plan, Boxford, Massachusetts, Owner: Boxford Development Trust, 208 Essex Street, Salem, Massachusetts 01970; Scale: 1" = 40'; Engineer: Hayes Engineering, Inc., 828 Lynn Fells Parkway, Melrose, Massachusetts 02176; recorded in the Essex South Registry of Deeds in Plan Book 189, Plan 22.

The applicants are proposing to remove an existing patio and walkway in the rear of the dwelling and to construct a slightly larger paver patio and walkway in its place. The closest point of the patio to the adjacent Bordering Vegetated Wetlands is 46.5' +/- . In addition to the patio the applicants are proposing to regrade a portion of the front yard and rear yard to create a more level area for their children to play. All of the proposed grading is outside of the 25 foot no disturb zone and the tree removal proposed for the grading effort will be within the limits allowed within the discretionary cutting area. A small retaining wall with steps is proposed upslope of wetland flags A2 – A7 to minimize the grading required to level off the area.

According to the most recent Natural Heritage and Endangered Species Program (NHESP) Atlas, dated August 2017, the parcel is not mapped as Priority or Estimated Habitat, by the Division of Fisheries and Wildlife NHESP.

According to the NRCS Web Soil Survey the upland portions of the site are mapped as Hinckley and Windsor (257E) and the wetland portions are mapped as Freetown Muck (52A). Field observations confirm this soil mapping.

Bordering Vegetated Wetland, (BVW):

The A-Series wetland is a BVW was delineated by Greg J. Hochmuth PWS, CWS from Williams & Sparages on April 12, 2019. The wetland is dominated by red maples in the overstory and a mixture of highbush blueberry and pepperbush in the understory (see attached wetland field data forms).

No work is proposed within BVW.

Erosion Controls:

A 12-inch diameter staked mulch sock is proposed to be installed along the limit of work. The erosion controls are proposed to remain in place until permission is granted for their removal from the Conservation Commission and/or its Director.

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

Applicant: William Hall Prepared by: Greg Hochmuth Project location: 19 Appleton Lane, Boxford MA 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: WFA-12 Upl	Transect Number: WFA-12 Upland	Date of Delineation: 4/12/2019	
A. Sample Layer & 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*	
Trees				
Red Oak – <i>Quercus rubra</i>	40%	32%	YES	FACU-
Red Maple - <i>Acer rubrum</i>	25%	20%	YES	FAC*
White Oak – <i>Quercus alba</i>	20%	16%	NO	FACU-
Hemlock – <i>Tsuga canadensis</i>	40%	32%	YES	FACU
Shrubs				
Pepper-bush - <i>Clethra alnifolia</i>	40%	38%	YES	FAC+*
HighBush Blueberry – <i>Vaccinium corymbosum</i>	20%	19%	NO	FACW-
American Beech – <i>Fagus grandifolia</i>	20%	19%	NO	FACU
Hemlock – <i>Tsuga canadensis</i>	25%	23%	YES	FACU
Ground Cover				
Cinnamon Fern – <i>Osmunda cinnamomea</i>	30%	54%	YES	FACW*
Canada Mayflower – <i>Maianthemum canadense</i>	15%	27%	YES	FAC-
Partridgeberry – <i>Mitchella repens</i>	10%	18%	NO	FACU

* 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.

Vegetation conclusion:

Number of dominant wetland indicator plants: 3

Number of dominant non-wetland indicator plants: 4

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

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.

Section II. Indicators of Hydrology

Hydric Soil Interpretation

1. Soil Survey

Is there a published soil survey for this site? Yes
 title/date: NRCs Web Soil Survey
 map number: -
 soil type mapped: 257E – Hinckley & Windsor
 hydric soil inclusions: No

Are field observations consistent with soil survey? Yes
 Remarks:

2. Soil Description

Horizon	Depth	Matrix Color	Mottles Color
A	0-8	10YR3/2	-
Bw	8-18	7.5YR5/6	-

Remarks:

3. Other:

Conclusion: Is soil hydric? No

Other Indicators of Hydrology: (check all that apply & 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 BW: _____
- Oxidized rhizospheres: _____
- Water-stained leaves: _____
- Recorded Data (streams, lake, or tidal gauge; aerial photo; other):

- Other: _____

Vegetation and Hydrology Conclusion

	Yes	No
Number of wetland indicator plants ≥ # of non-wetland indicator plants	—	X—
Wetland hydrology present:		
Hydric soil present	—	X—
Other indicators of hydrology present	—	X—
Sample location is in a BVW	—	X—

Submit this form with the Request for Determination of Applicability or Notice of Intent.

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

Applicant: William Hall Prepared by: Greg Hochmuth Project location: 19 Appleton Lane, Boxford MA 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: WFA-12 Wet	Transect Number: WFA-12 Wet	Date of Delineation: 4/12/2019
A. Sample Layer & Plant Species (by common/scientific name)	B. Percent Cover (or basal Area)	C. Percent Dominance	D. Dominant Plant (yes or no)
Trees			
Red Oak – <i>Quercus rubra</i>	30%	30%	YES
Red Maple - <i>Acer rubrum</i>	50%	50%	YES
Hemlock – <i>Tsuga canadensis</i>	20%	20%	YES
Shrubs			
Pepper-bush - <i>Clethra alnifolia</i>	40%	47%	YES
HighBush Blueberry – <i>Vaccinium corymbosum</i>	30%	35%	YES
Hemlock – <i>Tsuga canadensis</i>	15%	20%	YES
Ground Cover			
Cinnamon Fern – <i>Osmunda cinnamomea</i>	40%	100%	YES

* 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.

Vegetation conclusion:

Number of dominant wetland indicator plants: 4

Number of dominant non-wetland indicator plants: 3

Is the number of dominant wetland plants equal to or greater than the number of dominant non-wetland plants? Yes

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.

Section II. Indicators of Hydrology

Hydric Soil Interpretation

1. Soil Survey

Is there a published soil survey for this site? Yes
 title/date: NRCS Web Soil Survey
 map number: -
 soil type mapped: 52A, Freetown Muck
 hydric soil inclusions: Yes

Are field observations consistent with soil survey? Yes
 Remarks:

2. Soil Description

Horizon	Depth	Matrix Color	Mottles Color
0	4-0	2.5Y2.5/1	
A	0-8	2.5Y2.5/1	
Bw	8-18	5Y5/2	7.5YR5/8

Remarks:

3. Other:

Conclusion: Is soil hydric? Yes

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

- Site Inundated: _____
- Depth to free water in observation hole: _____ 10" _____
- Depth to soil saturation in observation hole: _____ 6" _____
- Water marks: _____
- Drift lines: _____
- Sediment Deposits: _____
- Drainage patterns in BW: _____
- Oxidized rhizospheres: _____
- Water-stained leaves: _____
- Recorded Data (streams, lake, or tidal gauge; aerial photo; other):

- Other: _____

Vegetation and Hydrology Conclusion

	Yes	No
Number of wetland indicator plants ≥ # of non-wetland indicator plants	_X_	_
Wetland hydrology present:		
Hydric soil present	_X_	_
Other indicators of hydrology present	_X_	_
Sample location is in a BW	_X_	_

Submit this form with the Request for Determination of Applicability or Notice of Intent.

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, Gregory J. Hochmuth, hereby certify under the pains and penalties of perjury that on May 23, 2019 I gave notification to abutters in compliance with the second paragraph of Massachusetts General Law 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 filed under Massachusetts Wetlands Protection Act and Boxford Wetlands Protection Bylaw by William T. Hall with the Boxford Conservation Commission on May 23, 2019 for property located at 19 Appleton Lane.

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


Name

5/22/2019
Date

TOWN OF BOXFORD
ABUTTER LIST

PARCEL # 19-2-33 - 19 APPLETON LANE - CONSERVATION COMMISSION 250' and
Direct Abutters to Parcel # 19-2 - Four Mile Pond

19-02-28	294 IPSWICH RD	NIU XIAO LIN	HUANG LI LI	294 IPSWICH RD	BOXFORD	MA	01921
19-02-29	175 HERRICK RD	ALLISON CHRISTINE A	ALLISON SEWARD	175 HERRICK RD	BOXFORD	MA	01921
19-02-30	173 HERRICK RD	DEMARGHE THOMAS E	DEMARGHE E CAMERON	173 HERRICK RD	BOXFORD	MA	01921
19-02-31	APPLETON LN	KOCIA ANDRZEJ P	KOCIA ALEKSANDRA W	282 IPSWICH ROAD	BOXFORD	MA	01921
19-02-32	7 APPLETON LN	O'HEIR LIAM	O'HEIR DANIELLE	7 APPLETON LN	BOXFORD	MA	01921
19-02-33	19 APPLETON LN	HALL WILLIAM T	DUMAS JENNIFER	19 APPLETON LN	BOXFORD	MA	01921
19-02-34	21 APPLETON LN	HALL JEFFREY C	HALL MARGARET E	21 APPLETON LN	BOXFORD	MA	01921
19-02-35	35 APPLETON LN	SILVERMAN JOAN TR	SILVERMAN REALTY TRUST	35 APPLETON LN	BOXFORD	MA	01921
24-04-09-39	48 HIGH RIDGE RD	WALTER GLEN V TR	WALTER ELIZABETH G TR	48 HIGH RIDGE RD	BOXFORD	MA	01921
24-04-09-40	44 HIGH RIDGE RD	KINNEY KATHRYN S TR	KINNEY RAYMOND J JR TR	44 HIGH RIDGE RD	BOXFORD	MA	01921
24-04-09-41	42 HIGH RIDGE RD	OLIVEIRA PAUL	ELIS-OLIVEIRA LISA	42 HIGH RIDGE RD	BOXFORD	MA	01921
24-04-09-42	34 HIGH RIDGE RD	MEEUWSEN KENDALL J	MEEUWSEN JOYCE L	34 HIGH RIDGE ROAD	BOXFORD	MA	01921
24-04-09-43	28 HIGH RIDGE RD	FLYNN DANIEL J TE	SUSAN I FLYNN	28 HIGH RIDGE RD	BOXFORD	MA	01921
24-04-22	119 HERRICK RD	FRANCIS LEE	FRANCIS MEGAN	119 HERRICK RD	BOXFORD	MA	01921
24-04-37	45 BATCHELDER RD	STERNER ROBERT & PATRICIA	MCGINLEY JANET M	45 BATCHELDER RD	BOXFORD	MA	01921

CERTIFIED COPY



MAY 22, 2019
Page 2 of 2

TOWN OF BOXFORD

ABUTTER LIST

PARCEL # 19-2-33 - 19 APPLETON LANE - CONSERVATION COMMISSION 250' and
Direct Abutters to Parcel # 19-2 - Four Mile Pond

PARCEL ID	PARCEL ADDRESS	OWNER 1	OWNER 2	MAILING ADDRESS	OWN_CITY	STATE	ZIP CODE
19-02-13	HERRICK RD	BTA/BOLT INC		P O BOX 95	BOXFORD	MA	01921
19-02-14	4 APPLETON LN	JCG INVESTMENTS LLC		348 PARK ST STE 203	N READING	MA	01864
19-02-31	APPLETON LN	KOCIA ANDRZEJ P	KOCIA ALEKSANDRA W	282 IPSWICH ROAD	BOXFORD	MA	01921
19-02-32	7 APPLETON LN	O'HEIR LIAM	O'HEIR DANIELLE	7 APPLETON LN	BOXFORD	MA	01921
19-02-33	19 APPLETON LN	HALL WILLIAM T	DUMAS JENNIFER	19 APPLETON LN	BOXFORD	MA	01921
19-02-34	21 APPLETON LN	HALL JEFFREY C	HALL MARGARET E	21 APPLETON LN	BOXFORD	MA	01921
19-02-37	24 APPLETON LN	RUDNICK SUZANNE E		24 APPLETON LN	BOXFORD	MA	01921
19-02-38	18 APPLETON LN	ERRICO ROSEANN S TR	ERRICO REALTY TRUST	18 APPLETON LN	BOXFORD	MA	01921
19-02-39	8 APPLETON LN	RILEY THOMAS M	RILEY ROBYN R	8 APPLETON LN	BOXFORD	MA	01921

PARCEL # 19-2 FOUR MILE POND ABUTTERS

19-02-11	131 HERRICK RD	WEIZMAN EHUD	WEIZMAN ZEHAVA	5 MEAD CIRCLE	LEXINGTON	MA	02420
19-02-12-0	137 HERRICK RD	KIRSHMAN GAYE TR		137 HERRICK RD	BOXFORD	MA	01921
19-02-12-1	165 HERRICK RD	SPINETTI WILLIAM	SPINETTI HEATHER	165 HERRICK RD	BOXFORD	MA	01921
19-02-13	HERRICK RD	BTA/BOLT INC		P O BOX 95	BOXFORD	MA	01921
19-02-15-10	50 FOUR MILE VILLAGE	BOXFORD FRIENDSHIP	FOUNDATION INC	50 FOUR MILE VILLAGE	BOXFORD	MA	01921
19-02-15-2	10 FIELDSTONE WAY	MCAVENEY ROBERT E	MCAVENEY LORI A	10 FIELDSTONE WAY	BOXFORD	MA	01921
19-02-15-3	12 FIELDSTONE WAY	CROSS FRANCES M	DEMIO CAROL A TR	15 FREMONT ST	WINTHROP	MA	02152
19-02-15-4	22 FIELDSTONE WAY	CASEY DEBORAH		22 FIELDSTONE WAY	BOXFORD	MA	01921
19-02-15-5	23 FIELDSTONE WAY	SMITH TIMOTHY M TE	SMITH KELLY K	23 FIELDSTONE WAY	BOXFORD	MA	01921
19-02-18-E	50 FOUR MILE VILLAGE	BOXFORD FRIENDSHIP FOUND		50 FOUR MILE VILLAGE	BOXFORD	MA	01921
19-02-18	50 FOUR MILE VILLAGE	BOXFORD FRIENDSHIP FOUNDATION		50 FOUR MILE VILLAGE	BOXFORD	MA	01921
19-02-27	284 IPSWICH RD	SCOPA WILLIAM R JT	CHRISTINE E SPYROPOU	284 IPSWICH RD	BOXFORD	MA	01921

BTA/BOLT INC
P O BOX 95
BOXFORD, MA 01921

~~BANK OF AMERICA NA
7105 CORPORATE DRIVE
PLANO, TX 75024-4100~~

O'HEIR LIAM
O'HEIR DANIELLE
7 APPLETON LN
BOXFORD, MA 01921

KOCIA ANDRZEJ P
KOCIA ALEKSANDRA W
282 IPSWICH ROAD
BOXFORD, MA 01921

RILEY THOMAS M
RILEY ROBYN R
8 APPLETON LN
BOXFORD, MA 01921

HALL JEFFREY C
HALL MARGARET E
21 APPLETON LN
BOXFORD, MA 01921

ERRICO ROSEANN S TR
ERRICO REALTY TRUST
18 APPLETON LN
BOXFORD, MA 01921

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BOXFORD, MA 01921

HALL WILLIAM T
DUMAS JENNIFER
19 APPLETON LN
BOXFORD, MA 01921

SPINETTI WILLIAM
SPINETTI HEATHER
165 HERRICK RD
BOXFORD, MA 01921

CROSS FRANCES M
DEMIO CAROL A TR
15 FREMONT ST
WINTHROP, MA 02152

FRANCIS LEE
FRANCIS MEGAN
119 HERRICK RD
BOXFORD, MA 01921

DEMARCHE THOMAS E
DEMARCHE E CAMERON
173 HERRICK RD
BOXFORD, MA 01921

SILVERMAN JOAN TR
SILVERMAN REALTY TRUST
35 APPLETON LN
BOXFORD, MA 01921

BOXFORD FRIENDSHIP FOUNDATION
50 FOUR MILE VILLAGE
BOXFORD, MA 01921

ALLISON CHRISTINE A
ALLISON SEWARD
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WEIZMAN ZEHAVA
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LEXINGTON, MA 02420

CASEY DEBORAH
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BOXFORD, MA 01921

OLIVEIRA PAUL
ELLIS-OLIVEIRA LISA
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