



WPA Form 3 – Notice of Intent

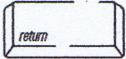
Massachusetts Wetlands Protection Act M.G.L. c. 131, §40
Boxford Wetlands Protection Bylaw, Town Code Ch. 192 & 375

MassDEP File Number _____

Document Transaction Number _____

City/Town _____

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



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

A. General Information

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

377 IPSWICH RD BOXFORD 01921
a. Street Address b. City/Town c. Zip Code

Latitude and Longitude:
14 2/11.4
f. Assessors Map/Plat Number g. Parcel /Lot Number

2. Applicant:

CHRISTOPHER & ANDREA GREEN
a. First Name b. Last Name

c. Organization
377 IPSWICH RD
d. Street Address
BOXFORD MA 01921
e. City/Town f. State g. Zip Code
617 943 0338 greencj@comcast.net
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):

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

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

110 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:

GARAGE CONSTRUCTION IN BUFFER

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 SOUTH

a. County

b. Certificate # (if registered land)

18817

51

c. Book

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	1. linear feet _____	2. linear feet _____
b. <input type="checkbox"/> Bordering Vegetated Wetland	1. square feet _____	2. square feet _____
c. <input type="checkbox"/> Land Under Waterbodies and Waterways	1. square feet _____	2. square feet _____
	3. cubic yards dredged _____	

Resource Area	Size of Proposed Alteration	Proposed Replacement (if any)
d. <input type="checkbox"/> Bordering Land Subject to Flooding	1. square feet _____	2. square feet _____
	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. Restoration/Enhancement
If the project is for the purpose of restoring or enhancing a wetland resource area in addition to the square footage that has been entered in Section B.2.b or B.3.h above, please enter the additional amount here.

_____ a. square feet of BVW

_____ b. square feet of Salt Marsh

5. Project Involves Stream Crossings

_____ a. number of new stream crossings

_____ b. number of replacement stream crossings



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

(c) MESA filing fee (fee information available at _____).

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, the NOI must still be sent to NHESP if the project is within estimated habitat pursuant to 310 CMR 10.37 and 10.59.)

2. Separate MESA review ongoing. a. NHESP Tracking # _____ b. Date submitted to NHESP _____

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

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

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

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

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

North Shore - Hull to New Hampshire border:

Division of Marine Fisheries -
Southeast Marine Fisheries Station
Attn: Environmental Reviewer
1213 Purchase Street – 3rd Floor
New Bedford, MA 02740-6694
Email: _____

Division of Marine Fisheries -
North Shore Office
Attn: Environmental Reviewer
30 Emerson Avenue
Gloucester, MA 01930
Email: _____

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

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 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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MassDEP File Number _____

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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. SEE ATTACHED RIMMER REPORT

4. List the titles and dates for all plans and other materials submitted with this NOI.

<u>PROPOSED GARAGE & SITE WORK</u>	
a. Plan Title	
<u>DONOHUE SURVEY, INC.</u>	<u>ADAM PAUL DONOHUE, PLS</u>
b. Prepared By	c. Signed and Stamped by
<u>10-4-18</u>	<u>201</u>
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. NA

6. Attach proof of mailing for Natural Heritage and Endangered Species Program, if needed. NA

7. Attach proof of mailing for Massachusetts Division of Marine Fisheries, if needed. NA

8. Attach NOI Wetland Fee Transmittal Form

9. Attach Stormwater Report, if needed. NA

E. Fees

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

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

2. Municipal Check Number	3. Check date
4. State Check Number	5. Check date
6. Payor name on check: First Name	7. Payor name on check: Last Name



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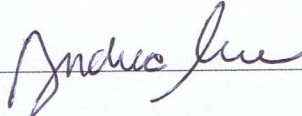

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40
Boxford Wetlands Protection Bylaw, Town Code Ch. 192 & 375

MassDEP File Number	_____
Document Transaction Number	_____
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	 3. Signature of Property Owner (if different)	 2. Date
_____	_____	4. Date
_____	_____	6. Date

For Conservation Commission:

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

For MassDEP:

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

Other:

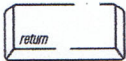
If the applicant has checked the "yes" box in any part of Section C, Item 3, above, refer to that section and the Instructions for additional submittal requirements.

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



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

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



A. Applicant Information

1. Location of Project:

377 IPSWICH ROAD

a. Street Address

2059

c. Check number

BOXFORD

b. City/Town

42.50

d. Fee amount

2. Applicant Mailing Address:

CHRISTOPHER & ANDREA

a. First Name

GREEN

b. Last Name

c. Organization

377 IPSWICH ROAD

d. Mailing Address

BOXFORD

e. City/Town

MA

f. State

01921

g. Zip Code

617 943 0338

h. Phone Number

i. Fax Number

green.cj@comcast.net

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
1	1		110

Step 5/Total Project Fee: 110

Step 6/Fee Payments:

Total Project Fee:	<u>110</u>
State share of filing Fee:	<u>42.50</u>
City/Town share of filling Fee:	<u>67.50</u>
	a. Total Fee from Step 5
	b. 1/2 Total Fee less \$12.50
	c. 1/2 Total Fee plus \$12.50

C. Submittal Requirements

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

Department of Environmental Protection
 Box 4062
 Boston, MA 02211

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

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

October 17, 2018

Project Description for
377 Ipswich Rd, Boxford
Garage Construction

The proposed project includes the following:

- Construction of a new 14' x 26' single story garage
- Excavation depth of 4.5' for frost wall foundation
- Installation of stone drip line on both sides of the garage
- Paving from the garage door to the existing paved driveway
- Installation of an electric trench from the garage to the existing house. This trench will supply the main electric feed to the house and replace the existing overhead service.



REC

Rimmer Environmental Consulting, LLC

57 Boston Road • Newbury, MA 0195 • Tel 978-463-9226

October 17, 2018

Chris J. Green
377 Ipswich Road
Boxford, MA 01921

**Re: Wetland Delineation
377 Ipswich Road
Boxford, MA**

Dear Mr. Green:

At your request, enclosed is a report on the wetland delineation conducted for the above referenced project.

Should you have any question, please do not hesitate to contact me.

Very truly,

Mary Rimmer, M.A., P.W.S.
Principal/Sr. Wetland Scientist

Wetland Evaluation Report
377 Ipswich Road
Boxford, MA
October 17, 2018

Introduction and Methods

The project site includes the northeasterly portion of an approximately 2 acre residential parcel located at 377 Ipswich Road. The site contains a single family residence and associated lawn and landscaped areas. A site inspection of the project site was conducted by Rimmer Environmental Consulting, LLC (REC) on June 21, 2018 for the purposes of evaluating the location and extent of wetland resources subject to jurisdiction under the Massachusetts Wetlands Protection Act (MGL Ch. 131 s. 40) within the subject parcel.

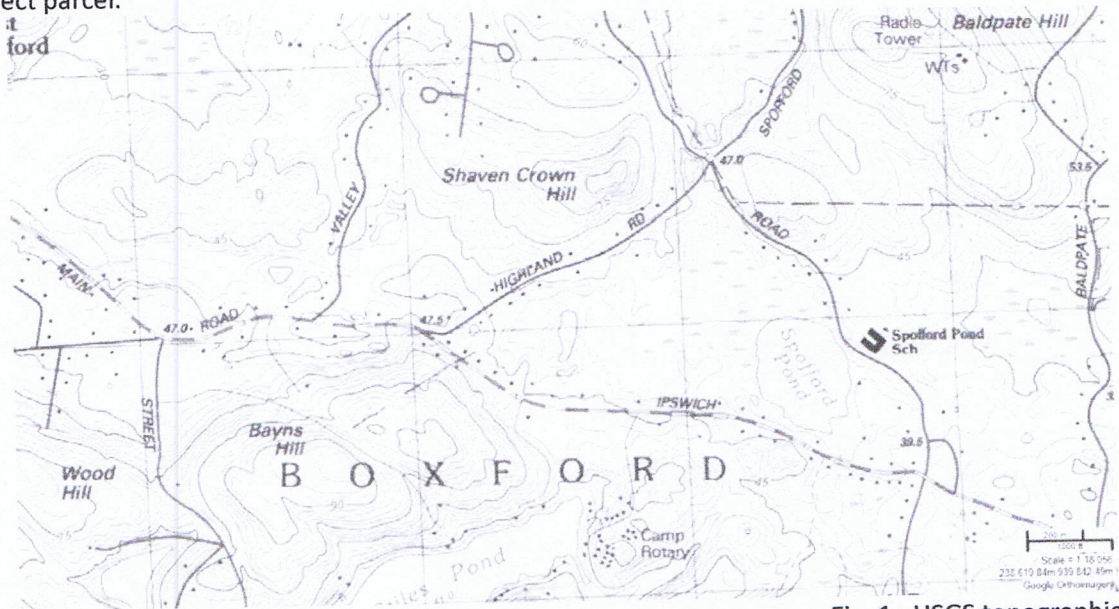


Fig. 1: USGS topographic map

Wetlands were delineated in accordance with the procedures established in the Massachusetts Wetlands Protection Act Regulations (310 CMR 10.00) and the Town of Boxford Wetlands Bylaw Regulations. Numbered sequences of were placed in the field to identify the limit of wetland resource areas. Wetlands were delineated based upon the presence of 50% or more wetland vegetation and other indicators of hydrology, including hydric soil. DEP Bordering Vegetated Wetland Field Delineation Data Forms are included to provide additional documentation of the wetland boundary.

Findings

The western portion of the site slopes westward and contains a forested wetland bordering on an unnamed intermittent stream not depicted on the above Fig. 1. This wetland qualifies as a Bordering Vegetated Wetland (BVW) under state and local wetland regulations. The stream is off site to the west

and conveys flow under Ipswich Road to the south. The wetland is dominated by red maple (*Acer rubrum*) and American elm (*Ulmus americana*) in the overstory. The understory nearest the developed portion of the site is dominated by jewelweed (*Impatiens capensis*) and poison ivy (*Toxicodendron radicans*). The adjacent upland contains similar vegetation until it rises to meet existing mowed lawn areas, but lacks wetland hydrology and wetland soils.

The site is not within areas mapped as Priority Habitat or Estimated Habitat of Rare Wetlands Wildlife by the Mass. Division of Fisheries and Wildlife – Natural Heritage and Endangered Species Program and does not contain certified vernal pools.

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

Applicant: _____ Prepared by: Rimmer Environmental Project location: 377 Ipswich Road, Boxford DEP File #: _____

Check all that apply:

- Vegetation alone presumed adequate 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: wet Transect number: A6 Date of delineation: 6/21/18

A. Sample layer and plant species (by common name/scientific name)	B. Percent cover (or basal area)	C. Percent Dominance	D. Dominant Plant (yes or no)	E. Wetland Indicator Category*
Canopy				
red maple/Acer rubrum	85.5	100	Y	FAC*
Sapling				
american elm/Ulmus americana	38	78	Y	FACW*
red maple/Acer rubrum	10.5	22	Y	FAC*
shrub				
american elm/Ulmus americana	38	100	Y	FACW*
Groundcover				
jewelweed/Impatiens capensis	85.5	80	Y	FACW*
poison ivy/Toxicodendron radicans	10.5	10	N	FAC*
garlic mustard/Alliaria petiolata	10.5	10	N	FACU

Use an asterisk to mark wetland indicator plants: species listed in the Wetlands Protection Act (MGL c. 131, s. 40); plants in the genus *Sphagnum*; plants listed as FAC, FAC+, FAC-, 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 plants: 0**

Is the number of dominant wetland plants equal to or greater than the number of dominant non-wetland plants? yes 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 MADEP: 3/95

Section II. Indicators of Hydrology

Hydric Soil Interpretation

1. Soil Survey

Is there a published soil survey for this site?

Title/date:

Map number:

Soil type mapped:

Hydric soil inclusions:

Are field observations consistent with soil survey? yes no

Remarks:

2. Soil description

Horizon	Depth	Matrix Color	Mottles Color
A	0-20"	10YR 2/1	5YR 5/8
O	20+	102/N	

Remarks

3. Other buried organic, mottles at 10"

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: _"_____
- 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: _____

Vegetation and Hydrology Conclusion

Yes

No

Number of wetland indicator plants

≥number of non-wetland indicator plants:

Wetland hydrology present:

Hydric soil present

Other indicators of hydrology present:

Sample location is in a BVW

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

Applicant: _____ Prepared by: Rimmer Environmental Project location: 377 Ipswich Road, Boxford DEP File #: _____

Check all that apply:

- Vegetation alone presumed adequate 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: ujl Transect number: A6 Date of delineation: 6/21/18

A. Sample layer and plant species (by common name/scientific name)	B. Percent cover (or basal area)	C. Percent Dominance	D. Dominant Plant (yes or no)	E. Wetland Indicator Category*
Canopy				
American elm/Ulmus americana	63	100	Y	FACW*
Shrub				
American elm/Ulmus americana	38	100	Y	FACW*
Groundcover				
jewelweed/Impatiens capensis	85.5	89	Y	FACW*
daylily/Hemerocallis fulva	10.5	11	N	FACU
mowed lawn	-	-0	-	-

Use an asterisk to mark wetland indicator plants: species listed in the Wetlands Protection Act (MGL c. 131, s. 40); plants in the genus *Sphagnum*; plants listed as FAC, FAC+, FAC-, 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 plants: 0

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

Title/date: _____
 Map number: _____
 Soil type mapped: _____
 Hydric soil inclusions: _____

Are field observations consistent with soil survey? yes no

Remarks:

2. Soil description
 Horizon Depth Matrix Color Mottles Color
 A 0-20+" 10YR 3/2

Remarks

3. Other no mottles

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: _ _____
- 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: _____

Vegetation and Hydrology Conclusion

Yes

No

Number of wetland indicator plants
 ≥number of non-wetland indicator plants:

Wetland hydrology present:
 Hydric soil present

Other indicators of hydrology present:

Sample location is in a BVW

CHRISTOPHER J GREEN OR
ANDREA B GREEN
377 IPSWICH RD
BOXFORD, MA 01921-1507

2059

53-13/110 MA
26587

Oct 17, 2018

Date

Pay To The Order Of Commonwealth of Massachusetts \$ 42.50

Forty-two and 50/100

Dollars



Photo Safe Deposit
Details on back

Bank of America

ACH R/T 011000138

For _____

Christopher J Green

MP

⑆011000138⑆ 000019359939⑆ 2059

Harland Clarke

CHRISTOPHER J GREEN OR
ANDREA B GREEN
377 IPSWICH RD
BOXFORD, MA 01921-1507

2058

53-13/110 MA
26587

Oct 17, 2018

Date

Pay To The Order Of Town of Boxford \$ 67.50

Sixty seven and 50/100

Dollars



Photo Safe Deposit
Details on back

Bank of America

ACH R/T 011000138

For _____

Christopher J Green

MP

⑆011000138⑆ 000019359939⑆ 2058

Harland Clarke

CHRISTOPHER J GREEN OR
ANDREA B GREEN
377 IPSWICH RD
BOXFORD, MA 01921-1507

2060

53-13/110 MA
26587

Oct 17, 2018

Date

Pay To The Order Of Town of Boxford \$ 200.00

Two hundred and 00/100

Dollars



Photo Safe Deposit
Details on back

Bank of America

ACH R/T 011000138

For _____

Christopher J Green

MP

⑆011000138⑆ 000019359939⑆ 2060

Harland Clarke