

# GRAZ Engineering, L.L.C.

323 West Lake Road • Fitzwilliam, NH 03447 • Telephone (603) 585-6959 • Fax (603) 585-6960

## Transmittal

**To:** Conservation Commission  
**Company:** Town of Leicester  
**Address:** 3 Washburn Square  
**City/State:** Leicester, MA 01524  
**Subject:** 220 Baldwin Street  
NOI Application  
**Date:** March 29, 2018  
**Transmitted:** ☐ Mail ☐ Fax ☒ Hand

- |  |   |
|--|---|
| <input checked="" type="checkbox"/> For Your Approval    | <input checked="" type="checkbox"/> Which You requested |
| <input checked="" type="checkbox"/> For Your Review      | <input type="checkbox"/> Approved                       |
| <input type="checkbox"/> For Your Signature              | <input type="checkbox"/> Approved As Noted              |
| <input checked="" type="checkbox"/> For Your Information | <input type="checkbox"/> Revise And Resubmit            |
| <input type="checkbox"/> For Your Files                  | <input type="checkbox"/> Not Approved                   |

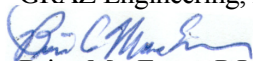
2	copies	WPA Form 3 - NOI Application
3	copies	220 Baldwin St., NOI Plan–Existing & Proposed Site Plan, 03/29/18, Sht. 1 of 2 (24x36)
3	copies	220 Baldwin St., NOI Plan–Construction Details & Notes, 03/29/18, Sht. 2 of 2 (24x36)
2	copies	220 Baldwin St., NOI Plan–Existing & Proposed Site Plan, 03/29/18, Sht. 1 of 2 (11x17)
2	copies	220 Baldwin St., NOI Plan–Construction Details & Notes, 03/29/18, Sht. 2 of 2 (11x17)
2	copies	EcoTec, Inc. Wetland Resource Evaluation Report
2	copies	Leicester & Spencer Certified Abutters' Lists
2	copies	Affidavit of Service
1	check	RDA Local Filing Fee Check for \$ 50.00
1	CD	PDF Digital Copy of Submittal Materials

**Comments:** Enclosed is a Notice of Intent (NOI) for Matt Schold (Central Land Development Corp.) for the property located on 220 Baldwin Street and depicted on Assessors Map 48 as Parcel A1.3. I trust that this submittal meets the requirements of the Commission and look forward to discussing this project at the public hearing. The fee breakdown for the filing check is as follows:

Total State Project Fee:	\$ 500.00
NOI Town Share:	\$ 262.50
Local Bylaw Fees:	<u>\$ 125.00</u> (25% Total State Fee)
Total Local Fee:	\$ 387.50

Should you have any questions or require any additional information, please call my cell at 508-769-9084.

Respectfully yours,  
GRAZ Engineering, L.L.C.



Brian MacEwen, P.L.S., E.I.T.  
Project Manager

cc: Matt Schold, Applicant/Owner



**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

Leicester

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):

220 Baldwin Street

a. Street Address

Leicester

b. City/Town

01524

c. Zip Code

Latitude and Longitude:

48

f. Assessors Map/Plat Number

42.201705

d. Latitude

71.941562

e. Longitude

A1.3

g. Parcel /Lot Number

2. Applicant:

Matt

a. First Name

Schold

b. Last Name

Central Land Development Corp.

c. Organization

77 Chickering Road

d. Street Address

Spencer

e. City/Town

MA

f. State

01562

g. Zip Code

508-812-8777

h. Phone Number

i. Fax Number

ScholdDev@gmail.com

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):

Brian

a. First Name

MacEwen

b. Last Name

GRAZ Engineering, LLC

c. Company

PO Box 813

d. Street Address

Petersham

e. City/Town

MA

f. State

01366-0813

g. Zip Code

508-769-9084 (Cell)

h. Phone Number

i. Fax Number

Brian@GrazEngineering.com

j. Email address

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

\$500.00

a. Total Fee Paid

\$237.50

b. State Fee Paid

\$262.50

c. City/Town Fee Paid



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Bureau of Resource Protection - Wetlands

**WPA Form 3 – Notice of Intent**

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

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**A. General Information (continued)**

6. General Project Description:

Construct of a new single family dwelling with attached garage and associated septic system, well, driveway, and site grading which are located in the Buffer Zone to a Bordering Vegetated Wetlands (BVW).

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:

Worcester

a. County

57984

c. Book

b. Certificate # (if registered land)

100

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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Bureau of Resource Protection - Wetlands

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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. <input type="checkbox"/> Riverfront Area	1. Name of Waterway (if available) - <b>specify coastal or inland</b>	

2. Width of Riverfront Area (check one):

☐ 25 ft. - Designated Densely Developed Areas only

☐ 100 ft. - New agricultural projects only

☐ 200 ft. - All other projects

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

4. Proposed alteration of the Riverfront Area:

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

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

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

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

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



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

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

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

<u>Resource Area</u>	<u>Size of Proposed Alteration</u>	<u>Proposed Replacement (if any)</u>
a. <input type="checkbox"/> Designated Port Areas	Indicate size under Land Under the Ocean, below	
b. <input type="checkbox"/> Land Under the Ocean	1. square feet _____ 2. cubic yards dredged _____	
c. <input type="checkbox"/> Barrier Beach	Indicate size under Coastal Beaches and/or Coastal Dunes below	
d. <input type="checkbox"/> Coastal Beaches	1. square feet _____	2. cubic yards beach nourishment _____
e. <input type="checkbox"/> Coastal Dunes	1. square feet _____	2. cubic yards dune nourishment _____
	<u>Size of Proposed Alteration</u>	<u>Proposed Replacement (if any)</u>
f. <input type="checkbox"/> Coastal Banks	1. linear feet _____	
g. <input type="checkbox"/> Rocky Intertidal Shores	1. square feet _____	
h. <input type="checkbox"/> Salt Marshes	1. square feet _____	2. sq ft restoration, rehab., creation _____
i. <input type="checkbox"/> Land Under Salt Ponds	1. square feet _____	
	2. cubic yards dredged _____	
j. <input type="checkbox"/> Land Containing Shellfish	1. square feet _____	
k. <input type="checkbox"/> Fish Runs	Indicate size under Coastal Banks, inland Bank, Land Under the Ocean, and/or inland Land Under Waterbodies and Waterways, above	
	1. cubic yards dredged _____	
l. <input type="checkbox"/> Land Subject to Coastal Storm Flowage	1. square feet _____	
4. <input type="checkbox"/> Restoration/Enhancement		
If the project is for the purpose of restoring or enhancing a wetland resource area in addition to the square footage that has been entered in Section B.2.b or B.3.h above, please enter the additional amount here.		
a. square feet of BVW _____	b. square feet of Salt Marsh _____	
5. <input type="checkbox"/> Project Involves Stream Crossings		
a. number of new stream crossings _____	b. number of replacement stream crossings _____	



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## **C. Other Applicable Standards and Requirements**

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

### **Streamlined Massachusetts Endangered Species Act/Wetlands Protection Act Review**

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

- a. ☐ Yes ☒ No **If yes, include proof of mailing or hand delivery of NOI to:**

**Natural Heritage and Endangered Species Program**  
**Division of Fisheries and Wildlife**  
**1 Rabbit Hill Road**  
**Westborough, MA 01581**

October 1, 2008

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](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](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](mailto:DMF.EnvReview-South@state.ma.us)

North Shore - Hull to New Hampshire border:

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

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





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

**Online Users:**

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

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

## **D. Additional Information**

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

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

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

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





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

3. ☒ Identify the method for BVW and other resource area boundary delineations (MassDEP BVW Field Data Form(s), Determination of Applicability, Order of Resource Area Delineation, etc.), and attach documentation of the methodology.
4. ☒ List the titles and dates for all plans and other materials submitted with this NOI.
- Notice of Intent - 220 Baldwin St., Leicester, MA - Proposed Site Plan, Sheet 1 of 2
- |                                      |  |                          |                              |
|--------------------------------------|--|--------------------------|------------------------------|
| a. Plan Title                        | <u>GRAZ Engineering, LLC</u>   | c. Signed and Stamped by | <u>Paul F. Grasewicz, PE</u> |
| b. Prepared By                       | <u>March 29, 2018</u>  | d. Final Revision Date   | <u>1" = 30'</u>              |
| e. Scale                             | <u>Notice of Intent - 220 Baldwin St., Leicester, MA -Const. Details &amp; Notes, Sheet 2 of 2</u> |                          |                              |
| f. Additional Plan or Document Title | <u>March 29, 2018</u>  |                          |                              |
| g. Date                              |  |                          |                              |
5. ☐ If there is more than one property owner, please attach a list of these property owners not listed on this form.
6. ☐ Attach proof of mailing for Natural Heritage and Endangered Species Program, if needed.
7. ☐ Attach proof of mailing for Massachusetts Division of Marine Fisheries, if needed.
8. ☒ Attach NOI Wetland Fee Transmittal Form
9. ☐ Attach Stormwater Report, if needed.

**E. Fees**

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

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

2. Municipal Check Number  
Online Filing Paid with Credit Card

4. State Check Number  
Schold Development, LLC

6. Payor name on check: First Name

3. Check date

5. Check date

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.

1. Signature of Applicant

March 28, 2018

2. Date

3. Signature of Property Owner (if different)

4. Date

March 28, 2018

5. Signature of Representative (if any)

6. Date

**For Conservation Commission:**

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

**For MassDEP:**

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

**Other:**

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

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



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

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



## A. Applicant Information

1. Location of Project:

220 Baldwin Street

a. Street Address

Filing Fee Paid Online with Credit Card

c. Check number

Leicester

b. City/Town

\$237.50

d. Fee amount

2. Applicant Mailing Address:

Matt

a. First Name

Central Land Development Corp.

c. Organization

77 Chickering Road

d. Mailing Address

Spencer

e. City/Town

508-612-8777

h. Phone Number

MA

f. State

01562

g. Zip Code

ScholdDev@gmail.com

j. Email Address

i. Fax Number

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
Cat. 2.a: Single Family Home	1	\$500.00	\$500.00
Step 5/Total Project Fee:			\$500.00

**Step 6/Fee Payments:**

Total Project Fee:	\$500.00
	a. Total Fee from Step 5
State share of filing Fee:	\$237.50
	b. 1/2 Total Fee <b>less</b> \$12.50
City/Town share of filing Fee:	\$262.50
	c. 1/2 Total Fee <b>plus</b> \$12.50

**C. Submittal Requirements**

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

Department of Environmental Protection  
Box 4062  
Boston, MA 02211

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

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

# EcoTec, Inc.

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## ENVIRONMENTAL CONSULTING SERVICES

102 Grove Street  
Worcester, MA 01605-2629  
508-752-9666 – Fax: 508-752-9494

November 20, 2017

Matthew Schold  
Schold Development  
77 Chickering Road  
Spencer, MA 01562

RE: Wetland Resource Evaluation, Baldwin Street, Leicester and Lake Ave, Spencer, Massachusetts

Dear Mr. Schold:

On October 3-5, 2017, EcoTec, Inc. inspected the above-referenced property for the presence of wetland resources as defined by: (1) the Massachusetts Wetlands Protection Act (M.G.L. Ch. 131, § 40; the “Act”) and its implementing regulations (310 CMR 10.00 *et seq.*; the “Regulations”); (2) the Towns of Spencer and Leicester Wetland Bylaws; and (3) the U.S. Clean Water Act (i.e., Section 404 and 401 wetlands). Scott Jordan, CPESC conducted the inspection.

The subject site consists of approximately 33-acres parcel located off Lake Ave in Spencer and Baldwin Street in Leicester. Please note that the frontage along the Stiles Reservoir was not evaluated. The upland portions of the site consist of upland forest. The wetland resources observed on the site are described below.

### Methodology

The site was inspected, and areas suspected to qualify as wetland resources were identified. The boundary of Bordering Vegetated Wetlands or, in the absence of Bordering Vegetated Wetlands, Bank was delineated in the field in accordance with the definitions set forth in the regulations at 310 CMR 10.55(2)(c) and 310 CMR 10.54(2). Section 10.55(2)(c) states that “The boundary of Bordering Vegetated Wetlands is the line within which 50% or more of the vegetational community consists of wetland indicator plants and saturated or inundated conditions exist.” Section 10.54(2)(c) states that “The upper boundary of Bank is the first observable break in the slope or the mean annual flood level, whichever is lower.” The methodology used to delineate Bordering Vegetated Wetlands is further described in: (1) the BVW Policy “*BVW: Bordering Vegetated Wetlands Delineation Criteria and Methodology*,” issued March 1, 1995; and (2) “*Delineating Bordering Vegetated Wetlands Under the Massachusetts Wetlands Protection Act: A Handbook*,” produced by the Massachusetts Department of Environmental Protection, dated March 1995. The plant taxonomy used in this report is based on the *National List of Plant Species that Occur in Wetlands: Massachusetts* (Fish and Wildlife Service, U.S. Department of the Interior, 1988). Federal wetlands were presumed to have boundaries conterminous with the delineated Bordering Vegetated Wetlands and Bank. One set of DEP Bordering Vegetated



Wetland Delineation Field Data Forms completed for observation plots located in the wetlands and uplands near flag A-94 is attached. The table below provides the Flag Numbers, Flag Type, and Wetland Types and Locations for the delineated wetland resources.

Flag Numbers	Flag Type	Wetland Types and Locations
Start A1 to A95 Stop	Blue Flags	Boundary of Bordering Vegetated Wetlands located in the eastern portion of the site, along Baldwin St., that is associated with an intermittent stream.
Start B1 to B4 (B4 connect to B1)	Blue Flags	Boundary of Isolated Vegetated Wetland under the Bylaw located in the western portion of the site. Not Isolated Land Subject to Flooding.
Start C1 to C4 (C4 connect to C1)	Blue Flags	Boundary of Isolated Vegetated Wetland under the Bylaw located in the western portion of the site. Not Isolated Land Subject to Flooding.
Start D1 to D11 (D11 connect to D1)	Blue Flags	Boundary of Isolated Vegetated Wetland under the Bylaw located in the northeastern portion of the site, along Oak Bluff Ln. Does not appear large enough to qualify as Isolated Land Subject to Flooding.
Start E1 to E31 (E31 connect to E1)	Blue Flags	Boundary of Bordering Vegetated Wetlands located in the northern portion of the site that is associated with an intermittent stream.
Start F1 to F8 Stop	Blue Flags	Boundary of Bordering Vegetated Wetlands located offsite to the northeast, along Baldwin Street, that is associated with an intermittent stream.
Start G1 to G28 Stop	Blue Flags	Boundary of Bordering Vegetated Wetlands located offsite to the southeast, along Baldwin Street, that is associated with an intermittent stream.

### Findings

Wetland A / F/ G (i.e., flags A1 to A95, F1 to F8, and G1 to G28) consists of a wooded swamp located in or near the eastern portion of the site, along Baldwin Street, that is associated with an intermittent stream. Plant species observed include red maple (*Acer rubrum*), American elm (*Ulmus americana*), yellow birch (*Betula alleghaniensis*), and ironwood (*Carpinus caroliniana*) trees and/or saplings; highbush blueberry (*Vaccinium corymbosum*), common winterberry (*Ilex verticillata*), northern spicebush (*Lindera benzoin*), and sweet pepper-bush (*Clethra alnifolia*) shrubs; and bristly blackberry (*Rubus hispidus*), cinnamon fern (*Osmunda cinnamomea*), sensitive fern (*Onoclea sensibilis*), spotted touch-me-not (*Impatiens capensis*), and sphagnum moss (*Sphagnum sp.*) ground cover. Evidence of wetland hydrology, including hydric soils, saturated soils, evidence of flooding, and drainage patterns, was observed within the delineated wetland. This vegetated wetland borders an intermittent stream; accordingly, the vegetated wetlands would be regulated as Bordering Vegetated Wetlands and the intermittent stream would be regulated as Bank under the Act and Leicester and Spencer Bylaws. A 100-foot Buffer Zone extends horizontally outward from the edge of Bordering Vegetated Wetlands under the Act and Bylaws.

Wetland B (i.e., flags B1 to B4) consists of an isolated vegetated wetland located in the western portion of the site. Plant species observed in this isolated depression include red maple (*Acer rubrum*) trees and/or saplings; and highbush blueberry (*Vaccinium corymbosum*) shrubs. Hydric soils and other evidence of wetland hydrology, including saturated soils, and evidence of

flooding, were observed within the delineated wetland. This wetland does not border a creek, stream, river, pond, or lake; accordingly, it would not be regulated as Bordering Vegetated Wetlands under the Act. Section 10.57(2)(b)1. states that "Isolated Land Subject to Flooding is an isolated depression or closed basin without an inlet or an outlet. It is an area that at least once per year confines standing water to a volume of at least ¼ acre-feet and to an average depth of at least six inches." Based upon field observations, the potential ponding area appears to be too small to hold the requisite volume and depth of water to be regulated as Isolated Land Subject to Flooding under the Act. Accordingly, this area would not be subject to jurisdiction under the Act. However, depending upon the proximity of this area to a Bordering Vegetated Wetlands, this area may be subject to jurisdiction as a federal wetland. Federal wetlands do not have a Buffer Zone, however, this area would contain a 100-foot Buffer Zone under the Spencer Bylaw.

Wetland C (i.e., flags C1 to C4) consists of an isolated vegetated wetland located in the western portion of the site. Plant species observed in this isolated depression include red maple (*Acer rubrum*) and yellow birch (*Betula alleghaniensis*) trees and/or saplings; and highbush blueberry (*Vaccinium corymbosum*) shrubs. Hydric soils and other evidence of wetland hydrology, including saturated soils, and evidence of flooding, were observed within the delineated wetland. This wetland does not border a creek, stream, river, pond, or lake; accordingly, it would not be regulated as Bordering Vegetated Wetlands under the Act. Section 10.57(2)(b)1. states that "Isolated Land Subject to Flooding is an isolated depression or closed basin without an inlet or an outlet. It is an area that at least once per year confines standing water to a volume of at least ¼ acre-feet and to an average depth of at least six inches." Based upon field observations, the potential ponding area appears to be too small to hold the requisite volume and depth of water to be regulated as Isolated Land Subject to Flooding under the Act. Accordingly, this area would not be subject to jurisdiction under the Act. However, depending upon the proximity of this area to a Bordering Vegetated Wetlands, this area may be subject to jurisdiction as a federal wetland. Federal wetlands do not have a Buffer Zone, however, this area would contain a 100-foot Buffer Zone under the Spencer Bylaw.

Wetland D (i.e., flags D1 to D11) consists of an isolated vegetated wetland located in the northeastern portion of the site, along Oak Bluff Lane. Plant species observed in this isolated wetland include red maple (*Acer rubrum*) trees and/or saplings; and highbush blueberry (*Vaccinium corymbosum*) shrubs. Hydric soils and other evidence of wetland hydrology, including saturated soils, and evidence of flooding, were observed within the delineated wetland. This wetland does not border a creek, stream, river, pond, or lake; accordingly, it would not be regulated as Bordering Vegetated Wetlands under the Act. Section 10.57(2)(b)1. states that "Isolated Land Subject to Flooding is an isolated depression or closed basin without an inlet or an outlet. It is an area that at least once per year confines standing water to a volume of at least ¼ acre-feet and to an average depth of at least six inches." Based upon field observations, the potential ponding area appears to be too small to hold the requisite volume and depth of water to be regulated as Isolated Land Subject to Flooding under the Act. Accordingly, this area would not be subject to jurisdiction under the Act. However, depending upon the proximity of this area to a Bordering Vegetated Wetlands, this area may be subject to jurisdiction as a federal wetland.



Federal wetlands do not have a Buffer Zone, however this area would contain a 100-foot Buffer Zone under the Leicester Bylaw.

Wetland E (i.e., flags E1 to E31) consists of a wooded swamp located in the northern portion of the site that is associated with an intermittent stream. Plant species observed include red maple (*Acer rubrum*), yellow birch (*Betula alleghaniensis*), gray birch (*Betula populifolia*), and eastern hemlock (*Tsuga canadensis*) trees and/or saplings; highbush blueberry (*Vaccinium corymbosum*) and common winterberry (*Ilex verticillata*) shrubs; and cinnamon fern (*Osmunda cinnamomea*) and sphagnum moss (*Sphagnum sp.*) ground cover. Evidence of wetland hydrology, including hydric soils, saturated soils, evidence of flooding, and drainage patterns, was observed within the delineated wetland. This vegetated wetland borders an intermittent stream; accordingly, the vegetated wetlands would be regulated as Bordering Vegetated Wetlands and the intermittent stream would be regulated as Bank under the Act and Leicester Bylaw. A 100-foot Buffer Zone extends horizontally outward from the edge of Bordering Vegetated Wetlands under the Act and Leicester Bylaw.

Bordering Land Subject to Flooding is an area that floods due to a rise in floodwaters from a bordering waterway or water body. Where flood studies have been completed, the boundary of Bordering Land Subject to Flooding is based upon flood profile data prepared by the National Flood Insurance Program. Section 10.57(2)(a)3. states that "The boundary of Bordering Land Subject to Flooding is the estimated maximum lateral extent of flood water which will theoretically result from the statistical 100-year frequency storm." The project engineer should evaluate the most recent National Flood Insurance Program flood profile data to determine if Bordering Land Subject to Flooding occurs on the site. Bordering Land Subject to Flooding would occur in areas where the 100-year flood elevation is located outside of or upgradient of the delineated Bordering Vegetated Wetlands or Bank boundary. Bordering Land Subject to Flooding does not have a Buffer Zone under the Act. A copy of the most recent Flood Insurance Rate Map for the site is attached.

The Massachusetts Rivers Protection Act amended the Act to establish an additional wetland resource area: Riverfront Area. Based upon a review of the current USGS Map (i.e., Worcester South Quadrangle, dated 1983, attached) and observations made during the site inspection, two streams that are not shown on the USGS Map are located in the northern portion of the site, and in the eastern portion of the site. The watershed areas for these streams at the site were determined to be less than 0.5 square miles (see attached watershed calculations). As such, the streams would be designated intermittent under the Massachusetts Wetlands Protection Act regulations. Furthermore, based upon a review of the current USGS Map and observations made during the site inspection, there are no other mapped or unmapped streams located within 200 feet of the site. Accordingly, Riverfront Area would not occur on the site. Riverfront Area does not have a Buffer Zone under the Act.

The Regulations require that no project may be permitted that will have any adverse effect on specified habitat sites of rare vertebrate or invertebrate species, as identified by procedures set

Mr. Matthew Schold  
November 20, 2017  
Page 5.

forth at 310 CMR 10.59. Based upon a review of the *Massachusetts Natural Heritage Atlas On-line Data Viewer Output 10/6/17*, there are no Estimated Habitats [for use with the Act and Regulations (310 CMR 10.00 *et seq.*)], Priority Habitats [for use with Massachusetts Endangered Species Act (M.G.L. Ch. 131A; "MESA") and MESA Regulations (321 CMR 10.00 *et seq.*)], or Certified Vernal Pools on or in the immediate vicinity of the site. A copy of this map is attached.

The reader should be aware that the regulatory authority for determining wetland jurisdiction rests with local, state, and federal authorities. A brief description of my experience and qualifications is attached. If you have any questions, please feel free to contact me at any time.

Cordially,  
ECOTEC, INC.

A handwritten signature in cursive script that reads "Scott Jordan".

Scott Jordan, CPESC  
Senior Environmental Scientist

Attachments (9 pages)

11/W/LeicesterSpencerBaldwinStReport

**EcoTec, Inc.**

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

Applicant: Prepared by: EcoTec, Inc. Project location: Baldwin Street & Lake Ave DEP File # :

Check all that apply:

- ☐ Vegetation alone presumed adequate to delineate BVW boundary: fill out Section I only
- ☒ Vegetation and other indications 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:	UPLAND	Transect Number:	TPU @ A94	Date of Delineation: 10/3/17	
A. Sample Layer and Plant Species # (by common/scientific name)		B. Percent Cover (or basal area)	C. Percent Dominance	D. Dominant Plant (yes or no)	E. Wetland Indicator Category * #		

Tree Red maple *Acer rubrum* 70 100 yes FAC\*

Sapling None

Shrub Red oak *Quercus rubra* 5 25 yes FACU-  
Highbush blueberry *Vaccinium corymbosum* 10 50 yes FACW-\*  
Elderberry *Sambucus canadensis* 5 25 yes FACW-\*

Ground cover Poison ivy *Toxicodendron radicans* 30 50 yes FAC\*  
Virginia creeper *Parthenocissus quinquefolia* 30 50 yes FACU

# Plant Taxonomy and Wetland Indicator Category from "National List of Plant Species that Occur in Wetlands: Massachusetts" (Fish & Wildlife Service, U.S. Department of the Interior, 1988) as required by 310 CMR 10.55(2)(c).

\*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 conclusions:

Number of dominant wetland indicator plants: 4 Number of dominant non-wetland indicator plants: 2  
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

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? -

Remarks: -

2. Soil Description

Horizon	Depth (inches)	Matrix Color	Mottle Color
A	0-6	10YR 3/2	
Bw	6-12+	10YR 4/4	

Remarks: stony fine sandy loam

3. Other: -

Conclusion: Is soil Hydric? No

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

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

Vegetation and Hydrology Conclusion		yes	no
Number of wetland indicator plants ≥ number of non-wetland indicator plants		<input checked="" type="checkbox"/>	<input type="checkbox"/>
Wetland hydrology present:			
hydric soil present		<input type="checkbox"/>	<input checked="" type="checkbox"/>
other indicators of hydrology present		<input type="checkbox"/>	<input checked="" type="checkbox"/>
Sample location is in a BVW		<input type="checkbox"/>	<input checked="" type="checkbox"/>

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

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

Applicant:

Prepared by: EcoTec, Inc.

Project location: Baldwin Street & Lake Ave

DEP File # :

Check all that apply:

- ☐ Vegetation alone presumed adequate to delineate BVW boundary: fill out Section I only  
☒ Vegetation and other indications 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:	WETLAND	Transect Number:	TPW @ A94	Date of Delineation: 10/3/17	
A. Sample Layer and Plant Species # (by common/scientific name)		B. Percent Cover (or basal area)		C. Percent Dominance	D. Dominant Plant (yes or no)	E. Wetland Indicator Category * #	
Tree	Red maple	<i>Acer rubrum</i>		80	100	yes	FAC*
Sapling	Black birch	<i>Betula lenta</i>		10	100	yes	FACU-
Shrub	Red oak	<i>Quercus rubra</i>		5	16	no	FACU-
	Winterberry	<i>Ilex verticillata</i>		20	67	yes	FACW+*
	Red maple	<i>Acer rubrum</i>		5	16	no	FAC*
Ground cover	Poison ivy	<i>Toxicodendron radicans</i>		15	50	yes	FAC*
	Dewberry	<i>Rubus hispidus</i>		15	50	yes	FACW*

# Plant Taxonomy and Wetland Indicator Category from "National List of Plant Species that Occur in Wetlands: Massachusetts" (Fish & Wildlife Service, U.S. Department of the Interior, 1988) as required by 310 CMR 10.55(2)(c).

\*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 conclusions:

Number of dominant wetland indicator plants: 4      Number of dominant non-wetland indicator plants: 1  
 Is the number of dominant wetland plants equal to or greater than the number of dominant non-wetland plants?    yes

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

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? -

Remarks: -

2. Soil Description

Horizon	Depth (inches)	Matrix Color	Mottle Color
A	0-16+	10YR 2/2	

Remarks: stony fine sandy loam

3. Other: -

Conclusion: Is soil Hydric? No

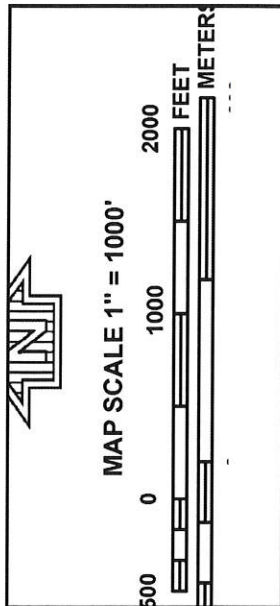
Other Indications of Hydrology: (check all that apply and describe)

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

Vegetation and Hydrology Conclusion		yes	no
Number of wetland indicator plants ≥ number of non-wetland indicator plants		<input checked="" type="checkbox"/>	<input type="checkbox"/>
Wetland hydrology present:			
hydric soil present		<input type="checkbox"/>	<input checked="" type="checkbox"/>
other indicators of hydrology present		<input checked="" type="checkbox"/>	<input type="checkbox"/>
Sample location is in a BVW		<input checked="" type="checkbox"/>	<input type="checkbox"/>

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





**NFIP**

**FIRM**

**FLOOD INSURANCE RATE MAP**

**WORCESTER COUNTY,**

**MASSACHUSETTS**

**(ALL JURISDICTIONS)**

**PANEL 780 OF 1075**

**(SEE MAP INDEX FOR FIRM PANEL LAYOUT)**

**CONTAINS:**

COMMUNITY	NUMBER	PANEL	SUFFIX
CHARLTON TOWN OF	250299	0780	E
LEICESTER TOWN OF	250313	0780	E
SPENCER TOWN OF	250335	0780	E

**PANEL 0780E**

**MAP NUMBER**

**25027C0780E**

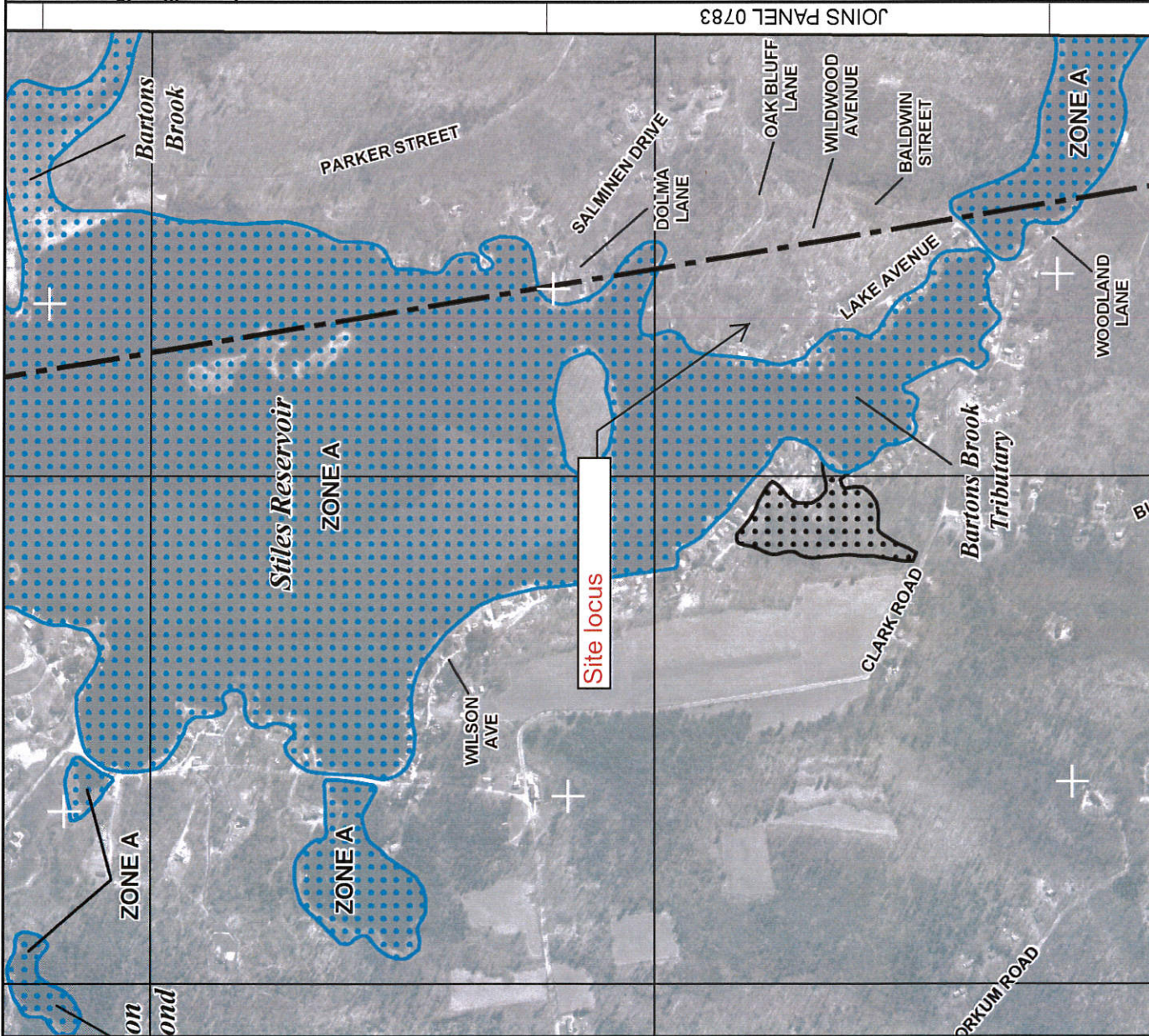
**EFFECTIVE DATE**

**JULY 4, 2011**

**Federal Emergency Management Agency**

Notice to User: The Map Number shown below should be used when placing map orders; the Community Number shown above should be used on insurance applications for the subject community.

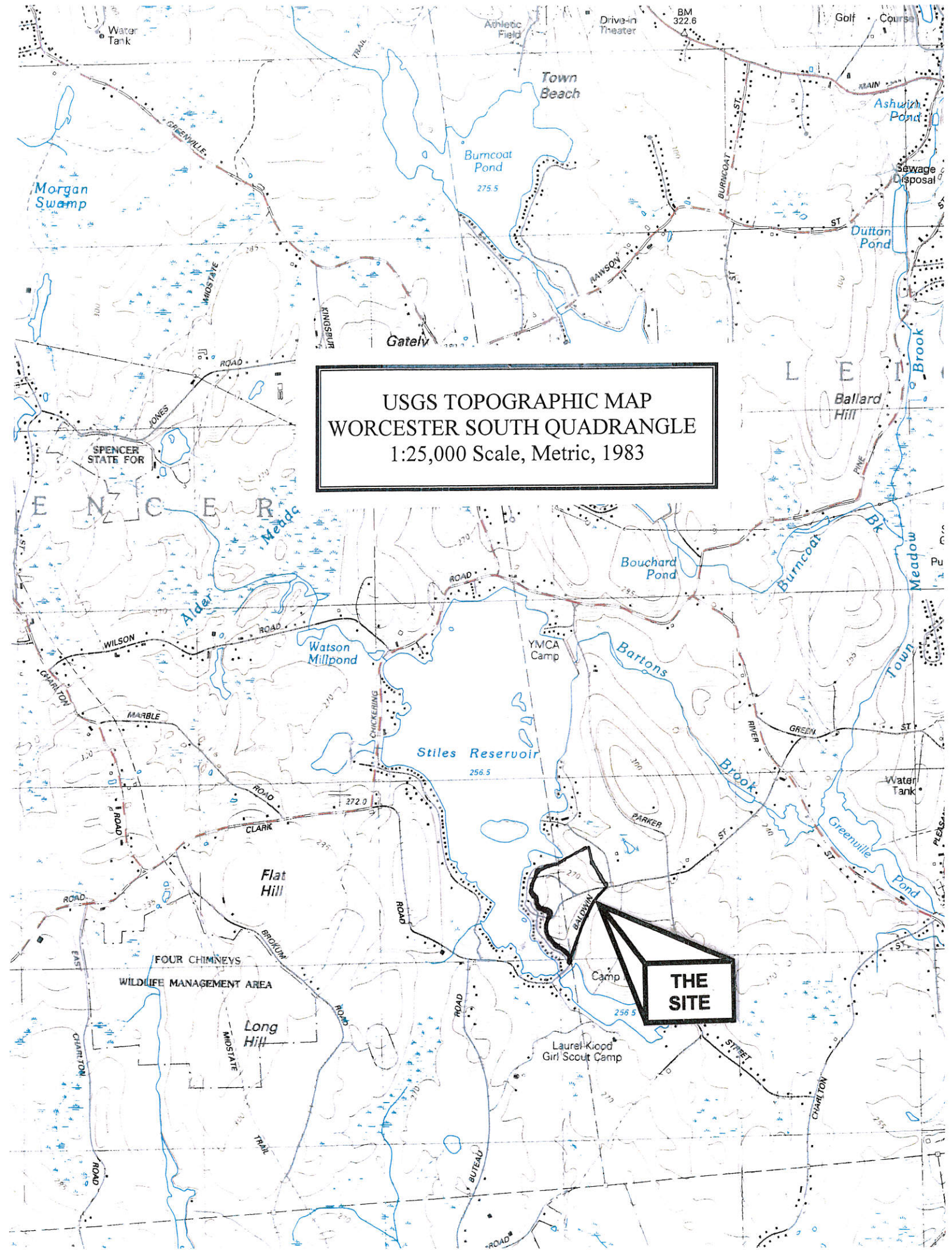
This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT On-Line. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For the latest product information about National Flood Insurance Program flood maps check the FEMA Flood Map Store at [www.msc.fema.gov](http://www.msc.fema.gov)





USGS TOPOGRAPHIC MAP  
WORCESTER SOUTH QUADRANGLE  
1:25,000 Scale, Metric, 1983

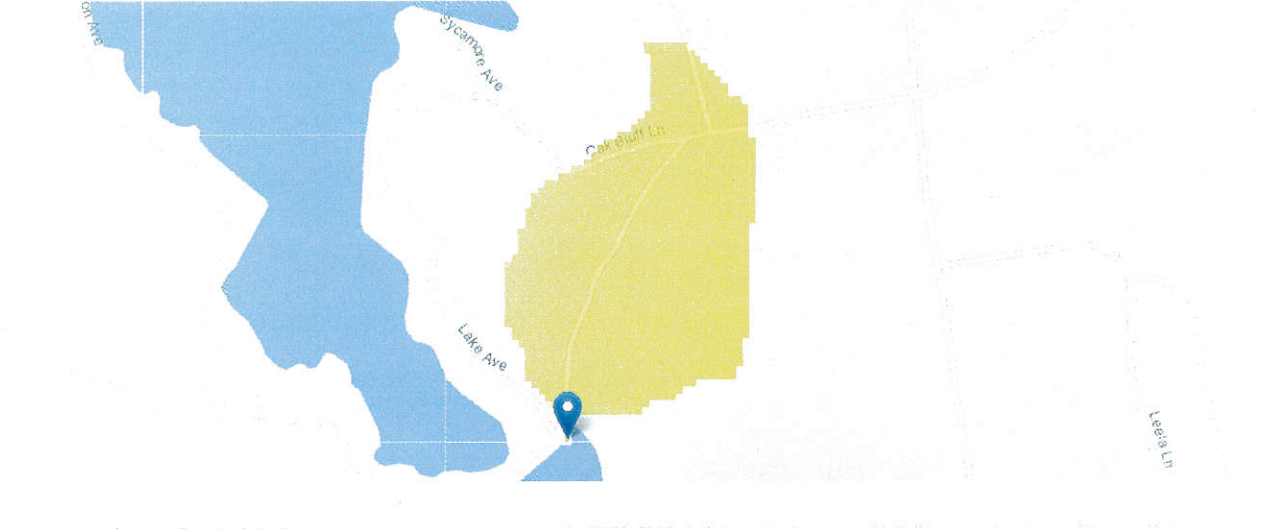
THE  
SITE



# StreamStats Report

Region ID:  
Workspace ID:  
Clicked Point (Latitude, Longitude):  
Time:

MA  
MA20171002200841722000  
42.20002, -71.94180  
2017-10-02 16:09:01 -0400



## Basin Characteristics

Parameter Code	Parameter Description	Value	Unit
DRNAREA	Area that drains to a point on a stream	0.0574	square miles
DRFTPERSTR	Area of stratified drift per unit of stream length	-100000	square mile per mile
MAREGION	Region of Massachusetts 0 for Eastern 1 for Western	0	dimensionless
BSLDEM250	Mean basin slope computed from 1:250K DEM	3.534	percent

## Flow-Duration Statistics Parameters [Statewide Low Flow WRIR00 4135]

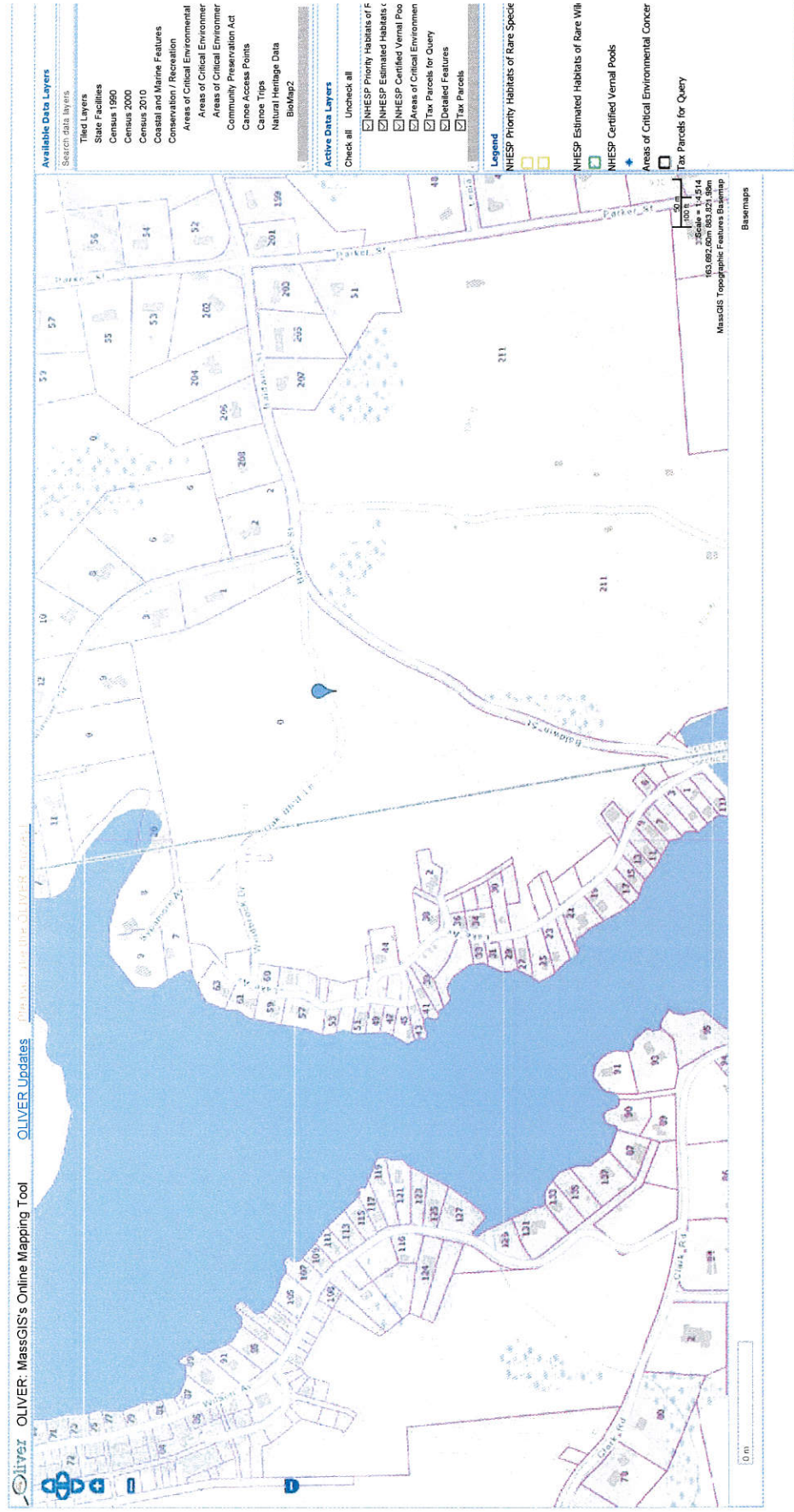
Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
DRNAREA	Drainage Area	0.0574	square miles	1.61	149
DRFTPERSTR	Stratified Drift per Stream Length	-100000	square mile per mile	0	1.29
MAREGION	Massachusetts Region	0	dimensionless	0	1
BSLDEM250	Mean Basin Slope from 250K DEM	3.534	percent	0.32	24.6

## Flow-Duration Statistics Flow Report [Statewide Low Flow WRIR00 4135]

Statistic	Value	Unit
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## Flow-Duration Statistics Citations





# EcoTec, Inc.

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## ENVIRONMENTAL CONSULTING SERVICES

102 Grove Street  
Worcester, MA 01605-2629  
508-752-9666 – Fax: 508-752-9494

### **Scott Jordan, CPESC** Senior Environmental Scientist

Scott Jordan is an Environmental Scientist with EcoTec, Inc. Since joining EcoTec in 2000, Mr. Jordan's duties have included wetland resource evaluation and delineation; erosion and sediment control planning and monitoring, environmental monitoring, including water quality analysis, sediment analysis and wildlife habitat impact analysis; environmental permitting at local, state, and federal level; pond and stream evaluation; wildlife habitat evaluation, vernal pool evaluation; and wetland restoration and replication design and oversight. He has served as an environmental consultant to the development community, engineering firms, municipalities, and conservation commissions. Prior to joining EcoTec, Mr. Jordan was the Senior Laboratory Technician for GeoComp Corporation where he performed numerous physical properties analysis of soils and geosynthetic materials in accordance with ASTM, and AASHTO specifications. His approximately seven years experience evaluating New England soils includes soil analysis and classification of site-remediated soils with oil and hazardous material contamination. His educational background includes courses in organic and inorganic chemistry, biology, botany and comparative vertebrate physiology, with extensive coursework in ecology and wildlife biology; and he has completed several professional training seminars including erosion and sediment control, soil evaluation, wildlife habitat evaluation, wetland mitigation, vernal pool evaluation, water quality assessment using macro-invertebrates, and river morphology and functions. He has participated in several rare species and wildlife monitoring and inventory projects, including marsh bird surveys, marbled salamander (*Ambystoma opacum*) survey, great laurel (*Rhododendron maximum*) survey, wood turtle (*Glyptemys insculpta*) habitat assessments and sweeps, eastern box turtle (*Terrapene carolina*) habitat assessments, and greater black-backed gull (*Larus marinus*) inventory. His prior research experience includes behavioral and acoustic studies of the common loon (*Gavia immer*) in northwestern Maine.

**Education:** Bachelor of Science: Biology - Wildlife and Environmental, *Cum Laude*  
Framingham State College, 2000  
Biotechnology Certificate  
Middlesex Community College, 1994

### **Professional**

**Affiliations:** Certified Professional in Erosion and Sediment Control (Cert. #3644)  
Massachusetts Association of Conservation Commissioners  
Association of Massachusetts Wetland Scientists  
Society of Wetland Scientists  
Society of Soil Scientists of Southern New England

03/28/2018

9:48:43AM

## Town of Leicester

## Abutters List

Page 1 of 1

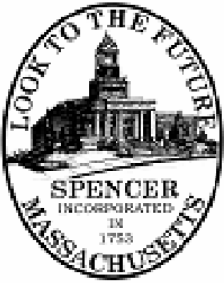
ParcelID	Location	Owner	Co-Owner	Mailing Address	City	State	Zip
48 A1.1 0	216 BALDWIN ST	CENTRAL LAND DEVELOPMENT		31 WHITEWOOD RD	MILFORD	MA	01757
48 A1.2 0	218 BALDWIN ST	CENTRAL LAND DEVELOPMENT		31 WHITEWOOD RD	MILFORD	MA	01757
48 A1.4 0	222 BALDWIN ST	CENTRAL LAND DEVELOPMENT		31 WHITEWOOD RD	MILFORD	MA	01757
48 B2 0	211 BALDWIN ST	MERCIER JAMES R	MERCIER JENNIFER L	6 SABINA CR	ROCHDALE	MA	01542

*End of Report***PLEASE NOTE: Abutters in the Town of Spencer**

Above is a certified list of abutters and abutters to abutters within 300 feet of subject.  
Subject property: 220 Baldwin Street, Assessors Map 48-A1.3-0, Deed Ref. 57984/100  
Subject owner(s): Central Land Development Corp.

John Prescott, Principal Assessor

Prepared by: Kathleen Asquith, Assistant



## *TOWN OF SPENCER*

### **BOARD OF ASSESSORS**

157 MAIN STREET  
SPENCER, MA 01562

TEL: 508-885-7500 x165

FAX: 508-885-7512

ASSESSED OWNER: Central Land Development Corp

MAILING ADDRESS: 31 Whitewood Rd Milford, Ma 01757

TELEPHONE NUMBER:

PROPERTY LOCATION: Lake Ave U27/42

The following is a list of abutters to the property designated on the application for appeal. "Parties in interest" shall mean the petitioners, abutters, owners of land directly opposite on any public or private street or way, and abutters to the abutters within 300 feet of the property line of the petitioner as they appear on the most recent taxable tax list, notwithstanding that the land of such owner is located in another city or town, the planning board of the city or town, and the planning board of every abutting city or town.

MAP/PARCEL	OWNERS NAME	MAILING ADDRESS
U27/20	Robert Krusas	111 Clark Rd Spencer, Ma 01562
U27/21	Michelle Pepe	1 Lake Ave Spencer, Ma 01562
U27/22	Paul Stoll	4709 Colonial Ave Norfolk, Va 32508
U27/23	Barbara Meloche	7 Lake Ave Spencer, Ma 01562
U27/24	Stephen Seymour	9 Lake Ave Spencer, Ma 01562
U27/25 & 54-1	Glen Pike	137 Wilson Ave Spencer, Ma 01562
U27/26, 54-2 & 57	Ralph Williamson	95 Clark Rd Spencer, Ma 01562
U27/27 & 28	Kevin McCarthy	17 Lake Ave Spencer, Ma 01562
U27/29	James Ostromecky	19 Lake Ave Spencer, Ma 01562
U27/30, 45, 53 & 54	Robert Frink	21 Lake Ave Spencer, Ma 01562
U27/43	Kevin Kane	38 Lake Ave Spencer, Ma 01562
U27/44	Matthew McCarthy	2 Wildwood Ave Spencer, Ma 01562
U27/47, 48 & 49	Town of Spencer	157 Main St Spencer, Ma 01562
U27/52	Edith Gobeille	30 Lake Ave Spencer, Ma 01562
U27/55 & 56	Ann Lemon	7 Bothnia St Worcester, Ma 01607
U29 127	Lois Williamson	95 Clark Rd Spencer, Ma 01562

Date Certified: April 2, 2018

ejj

# 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, Brian C. MacEwen, hereby certify under the pains and penalties of perjury that on March 31, 2018 I gave notification to the abutters in connection with the following matter:

A Notice of Intent filed under the Massachusetts Wetlands Protection Act by Central Land Development Corp. (Matt Schold, Applicant/Owner) with the Leicester Conservation Commission on March 29, 2018 for property located at 220 Baldwin Street, Map 48, Parcels A1.3, Leicester, MA.  
(address of proposed work)

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.



Signature

March 31, 2018

Date

(Revised 2/07)