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

A. General Information

1. Project Location (Note: electronic filers will click on button to locate project site):
   6 Cottage Way Littleton 01460
   a. Street Address b. City/Town c. Zip Code
   42.509286 -71.460743
   d. Latitude e. Longitude
   U26 8
   f. Assessors Map/Plat Number g. Parcel/Lot Number

2. Applicant:
   Kristen Kazokas
   a. First Name b. Last Name
   c. Organization
   d. Street Address
   Littleton MA 01460
   e. City/Town f. State g. Zip Code
   978-844-4334 kristenkazokas@hotmail.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):
   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):
   $ 110.00 $ 42.50 $ 67.50
   a. Total Fee Paid b. State Fee Paid c. City/Town Fee Paid

wpaform3.doc • rev. 6/28/2016
A. General Information (continued)

6. General Project Description:
   Install approved Sewage Disposal System and well. Renovate existing cabin including constructing additions. Improving existing accessway to allow safe & clear passage of necessary equipment & trucks for proposed work, as well as emergency vehicles.

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

   1. ☒ Single Family Home
   2. ☐ Residential Subdivision
   3. ☐ Commercial/Industrial
   4. ☐ Dock/Pier
   5. ☐ Utilities
   6. ☐ Coastal engineering Structure
   7. ☐ Agriculture (e.g., cranberries, forestry)
   8. ☐ Transportation
   9. ☐ 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)?

   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 CMR10.24(8), 310 CMR 10.53(4)), complete and attach Appendix A: Ecological Restoration Limited Project Checklist and Signed Certification.

8. Property recorded at the Registry of Deeds for:

   Middlesex
   a. County
   b. Certificate # (if registered land)
   65317
   405
   c. Book
   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.
**B. Buffer Zone & Resource Area Impacts (temporary & permanent) (cont'd)**

<table>
<thead>
<tr>
<th>Resource Area</th>
<th>Size of Proposed Alteration</th>
<th>Proposed Replacement (if any)</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. □ Bank</td>
<td>1. linear feet</td>
<td>2. linear feet</td>
</tr>
<tr>
<td>b. □ Bordering Vegetated Wetland</td>
<td>1. square feet</td>
<td>2. square feet</td>
</tr>
<tr>
<td>c. □ Land Under Waterbodies and Waterways</td>
<td>1. square feet</td>
<td>2. square feet</td>
</tr>
<tr>
<td></td>
<td>3. cubic yards dredged</td>
<td></td>
</tr>
<tr>
<td>Resource Area</td>
<td>Size of Proposed Alteration</td>
<td>Proposed Replacement (if any)</td>
</tr>
<tr>
<td>d. □ Bordering Land Subject to Flooding</td>
<td>1. square feet</td>
<td>2. square feet</td>
</tr>
<tr>
<td></td>
<td>3. cubic feet of flood storage lost</td>
<td>4. cubic feet replaced</td>
</tr>
<tr>
<td>e. □ Isolated Land Subject to Flooding</td>
<td>1. square feet</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2. cubic feet of flood storage lost</td>
<td></td>
</tr>
<tr>
<td>f. □ Riverfront Area</td>
<td>1. Name of Waterway (if available) - specify coastal or inland</td>
<td></td>
</tr>
</tbody>
</table>

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.
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.

<table>
<thead>
<tr>
<th>Resource Area</th>
<th>Size of Proposed Alteration</th>
<th>Proposed Replacement (if any)</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. Designated Port Areas</td>
<td>Indicate size under Land Under the Ocean, below</td>
<td></td>
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<tr>
<td>b. Land Under the Ocean</td>
<td>1. square feet</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2. cubic yards dredged</td>
<td></td>
</tr>
<tr>
<td>c. Barrier Beach</td>
<td>Indicate size under Coastal Beaches and/or Dunes</td>
<td></td>
</tr>
<tr>
<td>d. Coastal Beaches</td>
<td>1. square feet</td>
<td></td>
</tr>
<tr>
<td>e. Coastal Dunes</td>
<td>1. square feet</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2. cubic yards beach nourishment</td>
<td></td>
</tr>
<tr>
<td>f. Coastal Banks</td>
<td>1. linear feet</td>
<td></td>
</tr>
<tr>
<td>g. Rocky Intertidal Shores</td>
<td>1. square feet</td>
<td></td>
</tr>
<tr>
<td>h. Salt Marshes</td>
<td>1. square feet</td>
<td>2. sq ft restoration, rehab., creation</td>
</tr>
<tr>
<td>i. Land Under Salt Ponds</td>
<td>1. square feet</td>
<td></td>
</tr>
<tr>
<td>j. Land Containing Shellfish</td>
<td></td>
<td></td>
</tr>
<tr>
<td>k. Fish Runs</td>
<td>Indicate size under coastal Banks, inland Bank, Land Under the Ocean, and/or inland Land Under Waterbodies and Waterways, above</td>
<td></td>
</tr>
<tr>
<td>l. Land Subject to Coastal Storm Flowage</td>
<td>1. cubic yards dredged</td>
<td></td>
</tr>
</tbody>
</table>

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
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

   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

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

(c) ☐ MESA filing fee (fee information available at http://www.mass.gov/dfwle/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/dfwle/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  
   1213 Purchase Street – 3rd Floor  
   New Bedford, MA 02740-6694  
   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.
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 □ No ☒ 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.
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.

   Scope of Work - 6 Cottage Way, Littleton, MA
   a. Plan Title
   Kristen Kazokas
   b. Prepared By
   June 25, 2017
   c. Signed and Stamped by
   1" - 20'
   d. Final Revision Date
   1" - 20'
   e. Scale
   Proposed Naturalized Stabilizing Retaining Wall for Drive
   June 26, 2017
   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:

<table>
<thead>
<tr>
<th>Description</th>
<th>Date</th>
<th>Check Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>ck # 89</td>
<td>June 20, 2017</td>
<td></td>
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<tr>
<td>2. Municipal Check Number</td>
<td>June 26, 2017</td>
<td></td>
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<td>ck # 90</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4. State Check Number</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Kristen</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6. Payor name on check: First Name</td>
<td></td>
<td></td>
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<td>3. Check date</td>
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<tr>
<td>5. Check date</td>
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<tr>
<td>7. Payor name on check: Last Name</td>
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</tr>
</tbody>
</table>
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.

[Signature of Applicant]

June 27, 2017

2. Date

3. Signature of Property Owner (if different)

4. Date

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

**A. Applicant Information**

1. **Location of Project:**  
   - 6 Cottage Way  
   - Littleton  
   - a. Street Address  
   - b. City/Town  
   - ck # 90  
   - $ 42.50  
   - c. Check number  
   - d. Fee amount

2. **Applicant Mailing Address:**  
   - Kristen Kazokas  
   - a. First Name  
   - b. Last Name  
   - c. Organization  
   - PO Box 173  
   - d. Mailing Address  
   - Littleton, MA 01460  
   - e. City/Town  
   - f. State  
   - 978-844-4334  
   - g. Zip Code  
   - h. Phone Number  
   - i. Fax Number  
   - j. Email Address  

3. **Property Owner (if different):**  
   - a. First Name  
   - b. Last Name  
   - c. Organization  
   - d. Mailing Address  
   - e. City/Town  
   - f. State  
   - g. Zip Code  
   - h. Phone Number  
   - i. Fax Number  
   - j. Email Address

**B. Fees**

Fee should be calculated using the following process & worksheet. *Please see Instructions before filling out worksheet.*

**Step 1/Type of Activity:** Describe each type of activity that will occur in wetland resource area and buffer zone.

**Step 2/Number of Activities:** Identify the number of each type of activity.

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

**Step 4/Subtotal Activity Fee:** Multiply the number of activities (identified in Step 2) times the fee per category (identified in Step 3) to reach a subtotal fee amount. Note: If any of these activities are in a Riverfront Area in addition to another Resource Area or the Buffer Zone, the fee per activity should be multiplied by 1.5 and then added to the subtotal amount.

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

**Step 6/Fee Payments:** To calculate the state share of the fee, divide the total fee in half and subtract $12.50. To calculate the city/town share of the fee, divide the total fee in half and add $12.50.
### B. Fees (continued)

<table>
<thead>
<tr>
<th>Step 1/Type of Activity</th>
<th>Step 2/Number of Activities</th>
<th>Step 3/Individual Activity Fee</th>
<th>Step 4/Subtotal Activity Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>work on a single family lot</td>
<td>1</td>
<td>$110.00</td>
<td>$110.00</td>
</tr>
<tr>
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<tr>
<td>Step 5/Total Project Fee:</td>
<td>$110.00</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Step 6/Fee Payments:

- **Total Project Fee:** $110.00
  - a. Total Fee from Step 5: $110.00
- **State share of filing Fee:** $42.50
  - b. 1/2 Total Fee less $12.50
- **City/Town share of filing Fee:** $67.50
  - c. 1/2 Total Fee plus $12.50

### C. Submittal Requirements

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

  Department of Environmental Protection  
  Box 4062  
  Boston, MA 02211

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

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

Town of Littleton

$92,500

Dollars

9/20/17

Date

67.50 + 25.00

6750 + 2500

Middlesex

Savings Bank

Kathleen M. Kazakos

PO BOX 1713

Lunenburg, MA 01462

6800 12337 2320 1656669598 2320123201
Pay to the order of Commonwealth of Massachusetts $42.50

Middlesex Savings Bank

Date: June 24, 2017

SIGNED:

MEMO: College Visa 6/7/13

8656850540090
6 Cottage Way, Littleton, MA
June 27, 2017

Proposed Sequence of Work:

1) Installation of siltation barriers that meets the requirements of the Conservation Commission and in a way that meets erosion prevention installation standards as defined in Erosion and Sedimentation Control Standards, Middlesex Conservation District

2) Tree Work & Driveway Work (inside and outside the Buffer Zones)

3) Install Well (outside Buffer Zone)

4) Heavy Equipment Work
   - Foundation work (inside and outside Buffer Zone)
   - Lay lines from well to structure (less than 5 feet in Buffer Zone)
   - Install Septic Tanks (outside Buffer Zone)
   - Install Septic line to leach field (outside Buffer Zone)
   - Clean-up and grading (inside and outside Buffer Zone)
   - Any other site work from structure to septic field (inside and outside Buffer Zone)

5) Stabilize disturbed areas inside Fort Pond buffer zone to eliminate soil migration with stabilizing materials agreed upon by Conservation Commission

6) Install Septic System Leach Area and finish Installing Septic Line from Tanks

7) Finalize Drive

8) Clean-up and grading work

9) Stabilize Septic Field and Drive edges and other remaining disturbed areas in Intermittent Stream Buffer Zone to eliminate soil migration with stabilizing materials agreed upon by Conservation Commission

10) Cabin Renovations including construction of additions
6 Cottage Way, Littleton MA
June 27, 2017

Description of Work –

Located on the portion of the property between Fort Pond and Shagbark Drive where a cabin, a drive from Cottage Way and a woodland road exist.

To install the approved sewage disposal system as permitted by the Littleton Board of Health and the Nashoba Associated Boards of Health. The plan titled “Scope of Work” (the Plan) shows the designed system from the approved plan prepared by Acton Survey and Engineering, Acton, MA and stamped by Mark Donohoe, Civil No. 27146 on Aug 11, 2014. I have also included a copy of the Septic Permit. The system will be constructed in compliance with the requirements of 310 CMR 15.00 and those of the Town of Littleton. Currently there is not a system on the property that meets Title 5 requirements or that can be repaired to do so.

The leaching area of the system and a small portion of the septic line to the tanks are within the 100’ buffer zone of an intermittent stream but outside the 50’ buffer of said stream. Erosion and sedimentation control material will be installed before construction. The minimal amount of trees will be removed for the successful construction and long term operation of the system.

Materials removed for the septic field installation will be used on site if possible; otherwise they will be removed in the progress of the work. If a storage area is needed within the buffer zone, for removed material or new material – the area of the existing road as marked on the Plan will be used.

The property also does not have a drilled bedrock well. The Plan shows two locations for the proposed well. The preferred location is outside the 100’ buffer zones of both Fort Pond and the intermittent stream. The alternate location is the original location proposed on the approved septic plan. It is within the 100’ buffer of Fort Pond yet it meets all the set back requirements.

Due to the constraints of the property and the necessary 100’ set back from a septic system, if drilling in the preferred location, outside the buffer zone, does not result in a successful well, moving into the 100’ buffer zone is the foreseeable option.
Cushing & Sons will be installing the well. I have included a letter from Bart Cushing outlining his company’s well drilling wetland protective measures in case we need to use the alternative location. Additional erosion and sedimentation control material will be installed before the trench for the lines is dug, for a well in the alternative or preferred location. If the alternative well location is needed, the removal of a large tree, inside the buffer zone, will be necessary for the well truck to get to the location.

In the proposed sequence of work, the well installation is just after the tree work and driveway work. This is because my decisions as to how the cabin is renovated may be affected by the location of the well.

There is a required 25’ setback from a structure for a well. The original location, now the alternate, limits my ability to build an addition on the southwestern side of the cabin. That is the proposed addition to existing section 1 on the Plan. So if I need to use the alternate well location – I will need to use other options for renovating the cabin. The proposed addition to existing section 2 has been sized as it is drawn on the plan for this reason.

Section 3 of the proposed addition to existing is also limited to its size because of the 25’ set back needed for the well. This portion of the renovation helps minimize the need for grade changes within the buffer zone.

At the moment, a design for the cabin renovations including the additions has not been finalized. Any of the work being considered will be outside the 50’ buffer zone for Fort Pond. I do know if foundation work will be necessary. Erosion and sedimentation controls are shown on the Plan.

Removal of materials or new materials for foundation work will be stored outside the buffer zone if needed. There is one tree that will need to be removed because it creates a hazard with the amount of dead and its location to the existing structure. It is located on the Plan off the corner of section 2 of the proposed additions. Foundation work will compromise its root system, so if left, its future would be limited and the tree would became an even greater threat to life and property.
To access the site with minimal impact, use of the woodland drive, shown as existing cart road on plan titled “Scope of Work” (the Plan), versus Cottage Way will be required. To allow clear and safe passage of trucks, equipment, materials, emergency vehicles and personnel, the drive will need upgrading to gravel to a minimum width of 12 feet and to have a wider connection off Shagbark Drive. A small portion of the drive will need to be relocated to eliminate impassable curves and to keep drive within the property boundaries. In addition, some trees will need to be removed and others limbed.

The new portion of the woodland drive will go over the approved septic cultech leach area of the proposed septic system as shown on the Plan. The Plan also shows the proposed work at the entrance off of Shagbark Drive and the widening and stabilizing of the existing drive.

In order for the necessary trucks to make the turn off of Shagbark Drive, the rocky outcropping at the entrance will need to be reduced. Two trees growing on the outcropping will need to be removed as well. The rock and soil materials will be used to build a stabilizing wall for the portion of the driveway that needs to be widened.

A cross-section of the wall is represented in the included drawing titled “Proposed Naturalized Stabilizing Retaining Wall for Drive”. Creating the naturalized retaining wall will significantly reduce the distance of fill to the wetland delineation line. Without the stone retainer, the fill would need to be extended to within 5’ of #6 marker on the wetland delineation line, at least 8 more trees will need to be removed and two very large pine trees’ health would most likely be compromised with the grade change.

For successful construction and for clear and safe passage, certain trees along the drive will need to be removed. They are indicated on the Plan. Other trees with overhanging branches may need to be limbed for the bigger trucks to get through. All tree work material will be removed from site in progress of the work. If short term storage is needed within the 100’ buffer, the portion of the existing drive between the drive relocation and the property line is the proposed storage area.

This area will also be used to store any other necessary material for the construction of the drive or naturalized retaining wall if needed.
The existing woodland drive has a top layer of decomposed or decomposing natural material that will need to be removed before the base material of gravel can be put down. This material can be used right away on site outside the 100’ buffer zones.

The reconstruction of the drive entrance off of Shagbark will use grading and material choice to address the water overload from 42 Shagbark Drive and to prevent erosion. While the labor, equipment and materials is on site, the shoulder of Shagbark across from the entrance, within 6’ of the edge of the pavement, running from my eastern property line to the start of 50’ buffer zone, needs renovation of grade and materials as well.
NASHOBA ASSOCIATED BOARDS OF HEALTH
ENVIRONMENTAL HEALTH DIVISION
A/EP, MA 01452
378 772-3333
SEWAGE DISPOSAL WORKS CONSTRUCTION PERMIT
Permit For: LOCAL VARIANCES

OWNER: KRISTEN KAZOKAS
Littleton
BOARD OF HEALTH

LOCATION OF LOT: 6 COTTAGE WAY
MAP/PARCEL: U26/B

Date Permit Issued: 7/16/2014
Lot Size: 6.18 ac

Soil Description: 0-30"T&S; 30-88" C LS; ESHWT 40"

Groundwater: ESHWT 40"

PERC RATE: 7 MPI

ENGINEERING OR SPECIAL PREPARATION:

System to be installed according to engineered plan No. 18010

By: ACTON SURVEY & ENGINEERING

Primary Installation: 1500 GALLON 2-COMP SEPTIC TANK W/FILTER; 1000 GALLON PUMP CHAMBER

Secondary Installation: 17.5' X 24' CULTEC LEACHFIELD (12 UNITS OF C4 HD PROVIDED)

Bedroom Court: FOUR (440GPD) BEDROOM HOUSE

Water Supply: ☑ Well ☐ Town

Special Notes:


PERMIT PREPARED FOR BOARD BY NASHOBA HEALTH DEPARTMENT AGENT: 3/15/2014

[Signatures]

I agree upon accepting this PERMIT to comply with all Board of Health regulations and the State Environmental Code during all phases of installing the septic system.

SIGNED

[Signatures]

☑ Owner ☑ Contractor ☐ Licensed Installer

Record of Inspections

N-BH Licensed Installer:

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<td>☑ All inspections completed</td>
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A NEW HOUSE CANNOT BE OCCUPIED OR SOLD UNTIL A CERTIFICATE OF COMPLIANCE IS OBTAINED.
August 8, 2014

Littleton Board of Health
Post Office Box 1305
Littleton, MA 01460

Re: Variance Request - 6 Cottage Way

Dear Board Members:

Please accept this letter as our clients request for a variance from your Regulation 27 to allow the fill required for the installation of the proposed soil absorption system [SAS] to serve the existing residence at 6 Cottage Way to be located within 10 feet of the property line.

The area on the property suitable for a soil absorption system is constrained by the presence of wetlands and Fort Pond. The soil absorption system has been located to be offset from the wetlands which requires it to be 17.6' from the property line. Offsetting the system from the estimated seasonal high groundwater requires fill and a wall to be located within 10 feet of the property line.

Please inform my office of the date and time of the hearing so that we may notify the abutters. Thank you for any consideration you may give this matter.

Very truly yours,

Mark T. Donehoe, PE
Acton Survey & Engineering

cc: Kristen Kazokas
James Garreffi, RS. CHO
RE: Well Drilling Wetland Protective Measures – 6 Cottage Way, Littleton, MA

Dear Ms. Kazokas,

This is in regard to the drilling of the well at the above noted property.

The well is within the 100 ft. boundary of Fort Pond. There is a concern that the well drilling procedure may damage the surrounding wetlands. This is the usual protocol we employ on a site such as this:

Prior to drilling of the well, a siltation containment pit is installed, usually this pit is sized to accommodate up to 2,000 gallons of fluids. In the back of the pit and downgradient toward the wetlands, silt fence is installed as a secondary containment. On the discharge point of the downgradient area, it is common to install hay bales on the inside of the silt fence.

During the drilling, the fluids generated (usually about 900 gallons of material) is directed to the pit and the solids (rock and soil cuttings) are separate from the fluids. In the event high water is obtained in the well drilling, the fluids are pumped out of the pit and into silt containment bags that separate the fine solids from the fluids and is discharged onto the ground upgradient and away from the buffer zone.

At the end of the well drilling procedure, the area is restored by backfilling the pit once the fluids have dissipated into the ground, seed and hayed over disturbed areas, and the silt fence is pulled after the grass has been established in the disturbed areas.

I trust this delineates the procedures that we utilize in construction to prevent any damage to adjacent areas.
If there are any questions, do not hesitate to call.

Sincerely,

Bart C. Cushing  
MA License #558
Typical Construction Details of Filter Sock Installation

Engineering Design Drawing for SiltSoxx™

References

http://cfpub.epa.gov/npdes/stormwater/emanuofbmps/index.cfm?action=browse&Rbutton=detail&bmp=120
See
Separate
Plan
wetland
Delination
Mackee
#7 and #6

Existing Soil + Grade
large stones
front drive entrance
and align drive

Fill/Drive Base

Dramose Stone

12'

Proposed Drive Edge
to make 12' wide.

Existing Drive Edge

6 Cottage Way, Littleton, Ma

Proposed Naturalized Stabilizing Retaining Wall For Drive

Prepared by: Kristen Kazokas
Date: June 26, 2017
Not to Scale
NOTIFICATION TO ABUTTERS

Notice of Intent

Under MA Wetlands Protection Act and Littleton Wetlands Protection ByLaw (Chapter 171), this form must be completed and mailed, certified mail return receipt requested, to all abutters at their mailing addresses shown on the most recent Town Assessor’s records as well as the owner (if not applicant).

In accordance with the MA Wetlands Protection Act and Littleton Wetlands Protection ByLaw Chapter 171-2D, you are hereby notified of a public hearing on the matter described below:

A. The applicant has filed a Notice of Intent with the Littleton Conservation Commission for work in an area subject to protection under the Massachusetts Wetlands Protection Act and Littleton Wetlands Protection ByLaw.

B. The name of the applicant is Kristen Kazokas

C. The address of the land where the activity is proposed is Cottage Way, Littleton, MA

D. The work proposed involves installing sewage disposal system and well, renovating existing cabin including additions, improving existing accessway to allow safe and clear passage of necessary equipment and trucks for proposed work, as well as emergency vehicles.

E. Copies of the Notice of Intent may be examined at the Conservation Commission office at 37 Shattuck Street, Room 303 Monday through Thursday; 9:00 – 1:00 (please call first to ensure the Conservation Coordinator is available and not out on site visits). The office phone number is 978-540-2428.

F. Copies of the Notice of Intent may be obtained from (check one) the ✓ applicant or ___ the applicant’s representative by calling 978-844-7666 during the following times:

   9 AM – 5 PM Monday – Friday

G. The public hearing will be held on 7/10/17. Information regarding the date, time and place of the public hearing may be obtained from (check one) the ✓ applicant or ___ the applicant’s representative by calling 978-844-7666 during the following times: 9 AM – 5 PM Monday – Friday

H. Notice of the public hearing, including date, time and place, will be published at least five business days in advance in a paper of local circulation, and will be posted at Town Hall at least 48 hours in advance of the meeting.

You may contact the Littleton Conservation Commission (978-540-2428) or the Massachusetts Department of Environmental Protection/ Central Region (508-792-7650) at 8 New Bond Street, Worcester, MA 01606) for information about this application.
AFFIDAVIT OF SERVICE

Notice of Intent

Abbreviated Notice of Resource Area Delineation

Under Massachusetts Wetlands Protection Act and the Littleton Wetlands Protection ByLaw (Chapter 171), this form must be completed and submitted with the Notice of Intent or Abbreviated Notice of Resource Area Delineation.

I, Kristen Kazokas (name of applicant or representative) certify under the pains and penalties of perjury that on June 27, 2017 (date) I gave notification to abutters in compliance the second paragraph of the Massachusetts General Laws Chapter 131, Section 40, DEP requirements for Abutter Notification and with the Littleton Wetlands ByLaw 171-2.D in connection with the following matter:

A NOI (NOI or ANRAD) filed under the Massachusetts Wetlands Protection Act and Littleton Wetlands Protection ByLaw by Kristen Kazokas (name of applicant) with the Littleton Conservation Commission on June 27, 2017 (date) for the property located at 6 Cottage Way, Littleton (address of land where work is proposed).

The list of abutters with their addresses and a copy of the Notification Abutter form as sent to the abutters is attached to this Affidavit of Service.

Name

June 27, 2017

Date
TOWN OF LITTLETON
BOARD OF ASSESSORS
P.O. BOX 1305
LITTLETON, MA  01460
(978) 540-2410
FAX: (978) 952-2321

Date:  July 8, 2016

Re:  Certified List of Abutters Conservation Commission

Applicant:  Kristen Kazokas  Name of Firm:  N/A
Mailing Address  PO Box 173 Littleton MA 01460

Subject Parcel Location:  6 Cottage Way
Subject Parcel No.:  U26 8 0
Subject Owner Name:  Kristen Kazokas

M.G.L. Chapter 131: Section 40 .......... “Any person filing a notice of intention with a conservation commission shall at the same
time give written notification thereof, by delivery in hand or certified mail, return receipt requested, to all abutters within one
hundred feet of the property line of the land where the activity is proposed, but not limited to, owners of land directly opposite
said proposed activity on any public or private street or way, and in another municipality or across a body of water. When a
notice of intent proposes activities on land under water bodies and waterways or on a tract of land greater than 50 acres,
written notification shall be given to all abutters within 100 feet of the proposed project site. For the purposes of this action,
“project site” shall mean lands where the following activities are proposed to take place: dredging, excavating, filling, grading,
the erection, reconstruction or expansion of a building or structure, the driving of pilings, the construction or improvement of
roads or other ways and the installation of drainage, sewerage and water systems, and “land under water bodies and
waterways” shall mean the bottom of, or land under, the surface of the ocean or an estuary, creek, river stream, pond or lake.
When a notice of intent proposes activity on a linear shaped project site longer than 1,000 feet in length, notification shall be
given to all abutters within 1,000 feet of the proposed project site. If the linear project site takes place wholly within an
easement through another person’s land, notice shall also be given to the landowner. Said notification shall be at the
applicant’s expense, and shall state where copies of the notice of intention may be examined and obtained and where
information regarding the date, time and place of the public hearing may be obtained. Proof of such notification, with a copy of
the notice mailed or delivered, shall be filed with the conservation commission.” .......

I hereby certify the attached list of abutter(s) as stated in the M.G.L. Chapter 131, Section 40.

Number of Abutter(s)  7 including the subject parcel and 1 for Applicant requesting abutter’s list.
Note: Also abuts Fort Pond

Certified by:

[Signature]
Lorraine Freitas, Assistant Assessor
FORT POND

LITTLETON CONSERVATION TRUST
PO BOX 594
LITTLETON MA 01460
Loc: FORT POND RD Parcel ID #: R02 19 0
LUC: 132

TOULMIN JOHN H
JONES ANNE M
43 FORT POND ROAD
ACTON MA 01720
Loc: 11 CHARTER WY Parcel ID #: U26 1 0
LUC: 101

BOARDMAN FAMILY CABIN LLC
C/O K BOARDMAN
75 BEATRICE CIRCLE
BELMONT MA 02478
Loc: 38 FORT POND Parcel ID #: U26 10 0
LUC: 101

WILLIS BARBARA H TRUSTEE OF
THE WILLIS TRUST NO. 1
38 FORT POND RD
ACTON MA 01720
Loc: 42 SHAG BARK DR Parcel ID #: U26 7 0
LUC: 101

MACDONALD KENNETH E+JODI L TRS
KENNETH E MACDONALD REV IV TR
PO BOX 184
LITTLETON MA 01460
Loc: 6 COTTAGE WY Parcel ID #: U26 8 0
LUC: 101

KAZOKAS KRISTEN
PO BOX 173
LITTLETON MA 01460
Loc: 5 COTTAGE WY Parcel ID #: U26 9 0
LUC: 101

TROPEANO PETER
TROPEANO JEAN
19 REVERE ST
LEXINGTON MA 02420

Applicant Requesting Abutter's List
Kristen Kazokas
PO Box 173
Littleton, MA 01460