

# **Oak Hill – Sanderson Esker Boardwalks**

## **Notice of Intent**

**Littleton Conservation Department**

**August 23, 2023**

## **Oak Hill – Sanderson Esker Boardwalks**

### **Notice of Intent**

The trail at Oak Hill – Sanderson Esker provides a loop from the main Oak Hill parking lot to the newer parking lot on the AT&T easement, further south down Oak Hill Road. Figure 1 shows general locations and Figure 2 shows photographs. The proposed plans for the two boardwalks are provided in Attachment A. Attachment B provides the Littleton Bylaw Waiver Request. Notice of Intent Forms are in Attachment C. Abutter notification information is in Attachment D.

Crossing 1 is approximately 13 feet long and will be placed on ledgers on either side of the resource areas. One plastic pipe may be required in the mudflat for additional support. This will be approximately 6 inches over 10 foot width, or 5 square feet. The crossing location was chosen as it is relatively narrow, relatively stone free and would not require removal of vegetation. This crossing will replace several informal crossing areas where stepping stones have been placed in the stream or cut saplings have been piled to allow footing through the stream. The new boardwalk will mitigate these wetland impacts and the branches/saplings in particular will be removed (approximately 30 square feet) so they do not impeded flow.

Crossing 2 is approximately 8 feet long and will be placed on ledgers on either side of the resource area. No middle support will be needed. The crossing area is very rocky, but the location has been chosen to avoid having to move numerous boulders or cut vegetation. The informal crossing right now requires stepping across slippery boulders or cutting across the wetland when water levels are lower, which is causing compression of the wetland soils. The new boardwalk will mitigate these wetland impacts.

Both boardwalks will be 4 feet wide. Work will be done by hand to avoid any secondary impacts, and the ledgers to support the boardwalk will be outside the resource areas. Materials will be brought in by tractor and cart with no wetland crossing. The crossings were located so that no tree cutting or shrub removal is anticipated. The trails are already in place so no additional trail clearing will be required.

This project is part of the recent ongoing boardwalk initiative which has seen boardwalks built at Cloverdale, Hartwell, Morrison Trail, Town Forest, Williams and Yapp. These boardwalks have been variously funded by the Conservation Department, donations of both cash and materials, and funding by the Community Preservation Committee, Littleton Electric Light and Water, and MA Department of Conservation and Recreation Trail Grants. Other than two boardwalks at Town Forest, these boardwalks have all been built by volunteer labor and the Littleton Conservation Trust. Several Eagle Scout projects have funded and built three boardwalks (most recently) and a set of steps at Town Forest.





**Figure 2 - Crossing 1**





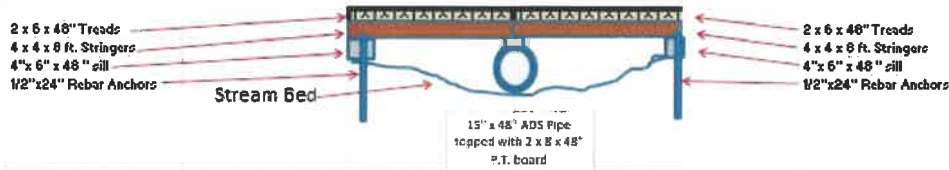
**Figure 2 - Crossing 2**



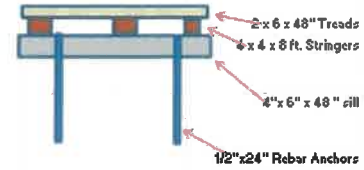
**ATTACHMENT A**  
**Boardwalk Plans**

PLAN FOR BOARDWALK #1 at SANDERSON ESKER

GROUND LEVEL VIEW



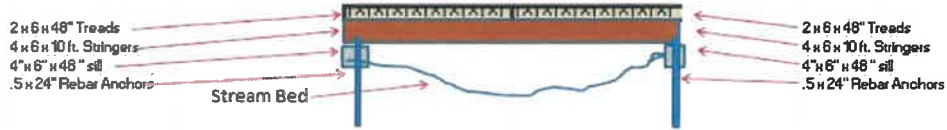
End View



Total Span = 16 feet	Materials cost per item	Total Materials Needed	TOTAL COST (Materials cost for 2 sections)
Total Span requires 2 sections each 8 feet in length			
Materials Required for each 8 foot section	<b>Prices are current as of 08/25/23 at Littleton Lumber</b>	All lumber must be pressure treated ground contact	
1 each 4x6x48"	\$20.55	1 each 4x6x 8 ft.	\$20.55
1 each 15' x 48" ADS Pipe	Free	From Delaney Dam Project	Free
1 each 2x8x48" sill toppers	\$12.50	1 each 2x8x 8 ft.	\$12.50
3 each 4x4x8 foot Pressure Treated lumber	\$5.03	6 each 4 x 4 x 8 feet Stringers	\$30.18
8 each 2x6x8 foot P.T. cut into 48" lengths	\$8.24	16 each 2 x 6 x 8 feet Treads	\$131.84
2 each 2x4x 24" Scabs	\$6.00	1 each 2x4 x 8 ft. PT	\$6.00
2 each .5 x 24" Rebar Anchor	\$5.00 at Lowes	4 each .5 x 24" Rebar	\$20.00
6 each GRK construction screws 6" in length	Free / on hand	construction screws 6 inches long	Free
Each section requires 110 each #10 x 3 1/2" exterior deck screws for attaching scabs and treads. 5 pounds 3 1/2" x 10 Star Drive screws	280 screws per 5 lb. / 56 screws per pound / Each section requires approx. 2 lbs. of screws / 10 sections requires 20 lbs. of screws.  Free / on hand	15 pounds # 10 x 3 1/2" Star Drive deck screws 3 1/2" x No. 10 Star Drive Exterior Deck Screws	Free
		<b>TOTAL COST</b>	<b>\$281.07</b>

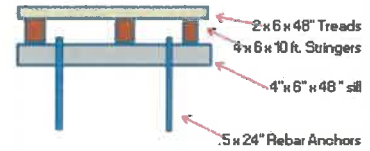
# PLAN FOR BOARDWALK #2 at SANDERSON ESKER

## GROUND LEVEL VIEW



Boardwalk #2 Total Span = 10 feet	Materials cost per item	Total Materials Needed	TOTAL COST (Materials cost for 1 section)
Total Span requires 1 section 10 feet in length			
Materials Required for each 10 foot section	Prices are current as of 08/25/23 at Littleton Lumber	All lumber must be pressure treated ground contact	
2 each 4x6x48"	\$20.55	1 each 4x6x8 ft.	\$20.55
3 each 4x6x10 foot Pressure Treated lumber	\$25.02	3 each 4 x 6 x 10 feet Stringers	\$75.06
10 each 2x6x8 foot P.T cut into 48" lengths	\$8.24	10 each 2 x 6 x 8 feet Treads	\$82.40
2 each .5 x 24" Rebar Anchors	\$5.00 at Lowes	4 each .5 x 24" Rebar Anchors	\$20.00
6 each GRK construction screws 3/8 x 6"	\$2.50 at Lowes	6 each GRK construction screws 3/8 x 6"	\$15.00
Each section requires 110 each #10 x 3 1/2" exterior deck screws for attaching sills and treads. 5 pounds 3 1/2" x 10 Star Drive screws	280 screws per 5 lb. / 56 screws per pound / Each section requires approx. 2 lbs. of screws / 10 sections requires 20 lbs. of screws.  Free / on hand	15 pounds # 10 x 3 1/2" Star Drive deck screws 3 1/2" x No. 10 Star Drive Exterior Deck Screws	Free
		<b>TOTAL COST</b>	<b>\$213.01</b>

## End View





**ATTACHMENT B**  
**Waiver Request**

**Waiver Request Form****First Name\***

Amy

**Last Name\***

Green

**Date\***

8/23/2023

**Map/Lot\***

R12-33-0

**Project Address\***

TOWN OF LITTLETON CONSERVATION

**Project purpose and need\***

Public use boardwalks

In order to request a waiver, this provides a guidance for required information

**Attach additional text, plans, photos, or graphics if needed**[Choose File](#) No file chosen**What specific action(s) is the waiver being asked for?\***

Construction of one 13 foot and one 8 foot boardwalk across an intermittent stream

**How is the action(s) in the public interest, necessary to prevent a safety hazard or water dependent?\***

The boardwalks are water dependent and are being constructed so the public can use the trail loop safely, without having to jump the stream or balance on rocks and poorly placed logs

**How is the action(s) consistent with the intent and purpose of the bylaw?\***

Project will allow public to enjoy these public lands

**Existing and proposed site conditions (ie, impervious, lawn & disturbed areas) (square feet; show on plan)\***

Area is wooded with the intermittent stream. Crossing 1 has some mud flat and narrow bank of BVW; Crossing 2 is just boulder lined intermittent stream

**Existing and proposed distances of land uses from wetland resource areas (show on plan)\***

0

**Analysis of less environmentally damaging practicable alternative\***

The two crossing locations were chosen to minimize width of crossing and need to move adjacent rocks to fit in the boardwalk

**Proposed short term and long term protection of wetland resource areas\***

None needed

**Is the site in a Zone I, II, or III (groundwater) or Zone A, B, or C (surface water) water supply area\***

no

**Are there critical, unique, or sensitive resource areas in the area (ie, NHESP mapped habitat, vernal pools, unusual wetland types, cold water fisheries, outstanding resource waters, core habitat, conservation land, etc); show on plan\***

no

**Other factors for consideration****Electronic Signature Agreement\***

By checking the "I agree" box below, you agree and acknowledge that 1) your application will not be signed in the sense of a traditional paper document, 2) by signing in this alternate manner, you authorize your electronic signature to be valid and binding upon you to the same force and effect as a handwritten signature, and 3) you may still be required to provide a traditional signature at a later date.

☒ I agree.

**Electronic Signature**

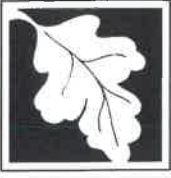
Amy Green

**Project\***

Oak Hill - Sanderson Boardwalk 1 and 2

**ATTACHMENT C**  
**Notice of Intent Forms**





**Massachusetts Department of Environmental Protection**  
Bureau of Resource Protection - Wetlands

Provided by MassDEP:

**WPA Form 3 – Notice of Intent**

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

MassDEP File Number

Document Transaction Number

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):

Oak Hill Road

a. Street Address

Littleton

b. City/Town

01460

c. Zip Code

Latitude and Longitude:

R12

f. Assessors Map/Plat Number

d. Latitude

33-0

g. Parcel /Lot Number

e. Longitude

2. Applicant:

Amy

a. First Name

Green

b. Last Name

Littleton Conservation Department

c. Organization

37 Shattuck St

d. Street Address

Littleton

e. City/Town

MA

f. State

01460

g. Zip Code

978-540-2428

h. Phone Number

i. Fax Number

agreen@littletonma.org

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):

0

a. Total Fee Paid

0

b. State Fee Paid

0

c. City/Town Fee Paid



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Bureau of Resource Protection - Wetlands

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**A. General Information (continued)**

6. General Project Description:

Construction of 2 boardwalks

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

- |   |   |
|---|---|
| 1. <input 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 checked="" type="checkbox"/> Other                          |   |

7b. Is any portion of the proposed activity eligible to be treated as a limited project (including Ecological Restoration Limited Project) subject to 310 CMR 10.24 (coastal) or 310 CMR 10.53 (inland)?

1. ☐ Yes ☒ No If yes, describe which limited project applies to this project. (See 310 CMR 10.24 and 10.53 for a complete list and description of limited project types)

2. Limited Project Type

If the proposed activity is eligible to be treated as an Ecological Restoration Limited Project (310 CMR 10.24(8), 310 CMR 10.53(4)), complete and attach Appendix A: Ecological Restoration Limited Project Checklist and Signed Certification.

8. Property recorded at the Registry of Deeds for:

Middlesex South

a. County

68158

c. Book

b. Certificate # (if registered land)

517

d. Page Number

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

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

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



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

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

Resource Area	Size of Proposed Alteration	Proposed Replacement (if any)
a. <input type="checkbox"/> Bank	1. linear feet	2. linear feet
b. <input checked="" type="checkbox"/> Bordering Vegetated Wetland	5 sq ft 1. square feet	30 sq ft 2. square feet
c. <input type="checkbox"/> Land Under Waterbodies and Waterways	1. square feet 3. cubic yards dredged	2. square feet

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

f. ☐ Riverfront Area

1. Name of Waterway (if available) - **specify coastal or inland**

2. Width of Riverfront Area (check one):

☐ 25 ft. - Designated Densely Developed Areas only

☐ 100 ft. - New agricultural projects only

☐ 200 ft. - All other projects

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

4. Proposed alteration of the Riverfront Area:

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

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

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

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

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



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

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

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

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

4. ☐ Restoration/Enhancement

If the project is for the purpose of restoring or enhancing a wetland resource area in addition to the square footage that has been entered in Section B.2.b or B.3.h above, please enter the additional amount here.

a. square feet of BWV \_\_\_\_\_

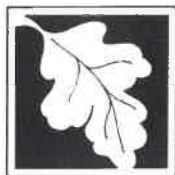
b. square feet of Salt Marsh \_\_\_\_\_

5. ☐ Project Involves Stream Crossings

a. number of new stream crossings \_\_\_\_\_

b. number of replacement stream crossings \_\_\_\_\_





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

MassDEP File Number \_\_\_\_\_

Document Transaction Number \_\_\_\_\_

City/Town \_\_\_\_\_

## **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**

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/nhosp/regulatory\\_review/mesa/mesa\\_fee\\_schedule.htm](http://www.mass.gov/dfwele/dfw/nhosp/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/nhosp/regulatory\\_review/mesa/mesa\\_exemptions.htm](http://www.mass.gov/dfwele/dfw/nhosp/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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Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

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

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

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

**D. Additional Information**

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

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

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

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



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**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.

Plan for Boardwalk #1 and #2

a. Plan Title

b. Prepared By

c. Signed and Stamped by

d. Final Revision Date

e. Scale

f. Additional Plan or Document Title

g. Date

5. ☐ If there is more than one property owner, please attach a list of these property owners not listed on this form.
6. ☐ Attach proof of mailing for Natural Heritage and Endangered Species Program, if needed.
7. ☐ Attach proof of mailing for Massachusetts Division of Marine Fisheries, if needed.
8. ☐ Attach NOI Wetland Fee Transmittal Form
9. ☐ Attach Stormwater Report, if needed.

**E. Fees**

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

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

2. Municipal Check Number

3. Check date

4. State Check Number

5. Check date

6. Payor name on check: First Name

7. Payor name on check: Last Name





**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

City/Town

**F. Signatures and Submittal Requirements**

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

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

1. Signature of Applicant

2. Date

8-24-2023

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.



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:

a. Street Address

b. City/Town

c. Check number

d. Fee amount

### 2. Applicant Mailing Address:

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

### 3. Property Owner (if different):

a. First Name

b. Last Name

c. Organization

d. Mailing Address

e. City/Town

f. State

g. Zip Code

h. Phone Number

i. Fax Number

j. Email Address

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

## B. Fees

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

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

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

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

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

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

**Step 6/Fee Payments:** To calculate the state share of the fee, divide the total fee in half and subtract \$12.50. To calculate the city/town share of the fee, divide the total fee in half and add \$12.50.



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

Step 5/Total Project Fee: \_\_\_\_\_

**Step 6/Fee Payments:**

Total Project Fee: \_\_\_\_\_  
a. Total Fee from Step 5

State share of filing Fee: \_\_\_\_\_  
b. 1/2 Total Fee **less** \$12.50

City/Town share of filing Fee: \_\_\_\_\_  
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.)

**ATTACHMENT D**  
**Abutter Notification**



# NOTIFICATION TO ABUTTERS

## Notice of Intent

### Modification for Virtual Meetings

*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 Littleton Conservation Commission
- C. The address of the land where the activity is proposed is Oak Hill Conservation Land (R12-33-0)
- D. The work proposed is Construction of two boardwalks
- E. Copies of the filing may be examined at the Conservation Commission office at 37 Shattuck Street Monday through Thursday; 9:00 – 1:00 (please call first to ensure the Conservation Agent is available and not out on site visits). The office phone number is 978-540-2428.
- F. Copies of the filing may be obtained electronically from (check one) the ☒ applicant or ☐ the applicant's representative by calling 978 - 540 - 2428 during the following times:  
Mon – Th 9:00 – 2:00
- G. The public hearing will be held on Sept 5, 2023. Information regarding the date and time of the public hearing may be obtained from the Littleton Conservation Commission (see contact info at the end of this notice).
- H. Notice of the public hearing, including date and time will be published at least five business days in advance in a paper of local circulation. The agenda, noting times will be posted at Town Hall and at <https://ma-littleton.civicplus.com/AgendaCenter/Search/?term=&CIDs=13,&startDate=&endDate=&dateRange=&dateSelector=> at least 48 hours in advance of the meeting. It is currently anticipated that this meeting will be held entirely remotely, pursuant to "An Act Relative to Extending Certain State of Emergency Accommodations" (July 16, 2022) and the extension of that Act through

March 21, 2025. If the meeting is held remotely, instructions for remote viewing of, and participation in, the meeting will be included in the agenda and may also be obtained from the Littleton Conservation Commission.

You may contact the Littleton Conservation Commission staff ([Conservation@littletonma.org](mailto:Conservation@littletonma.org); 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

*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, Amy Green (name of applicant or representative) certify under the pains and penalties of perjury that on 8-25-2023 (date) I gave notification to abutters in compliance with 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 (choose one of below)*

☐ Abbreviated Notice of Resource Area Delineation

☐ Request for Determination of Applicability

☐ Abbreviated Notice of Intent

☒ Notice of Intent

☐ Request for Amended Order of Conditions

has been filed under the Massachusetts Wetlands Protection Act and Littleton Wetlands Protection ByLaw by Amy Green, Conservation Agent (name of applicant) with the Littleton Conservation Commission on 8-24-2023 (date) for the property located at Oak Hill Conservation Land (R12-33-0) (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

\_\_\_\_\_  
Date

SANDERSON RD OAK HILL ROAD TRUST SANDERSON G&E,ANDERSEN M TRS C/O D SANDERSON - 4 OAK HILL RD LITTLETON, MA 01460	R12 29 0 LUC: 017	16A OAK HILL RD HALLORAN ANDREW HALLORAN JENNIFER 16A OAK HILL RD LITTLETON, MA 01460	R12 30 4 LUC: 101	16F OAK HILL RD ABARE ROBERT PATTON ALINA 16F OAK HILL RD LITTLETON, MA 01460	R12 33 12 LUC: 101
OAK HILL RD OAK HILL ROAD TRUST SANDERSON GEORGE J C/O D SANDERSON - 4 OAK HILL RD LITTLETON, MA 01460	R12 30 0 LUC: 017	16B OAK HILL RD SMITH RYAN HALL SARAH 16B OAK HILL RD LITTLETON, MA 01460	R12 30 5 LUC: 101	16G OAK HILL RD FALCONI CARA JEANNE FALCONI JENA ROTH 16G OAK HILL RD LITTLETON, MA 01460	R12 33 13 LUC: 101
4 OAK HILL RD SANDERSON GEORGE J SANDERSON PAMELA S 4 OAK HILL RD LITTLETON, MA 01460	R12 30 1 LUC: 101	16C OAK HILL RD BIALEK PETER KING CHARLES 16C OAK HILL RD LITTLETON, MA 01460	R12 30 6 LUC: 101	5 EDWARD DR PARIKH MANTHAN SHAH NISHA 5 EDWARD DR LITTLETON, MA 01460	R12 33 14 LUC: 101
9 EDWARD DR RAIHLE DOUGLAS BALLEW-RAIHLE DIANA 9 EDWARD DR LITTLETON, MA 01460	R12 30 10 LUC: 101	16D OAK HILL RD PAUL & KRISTEN KEHRER LIV. TRS TRUSTEE KEHRER PAUL H 16D OAK HILL RD LITTLETON, MA 01460	R12 30 7 LUC: 101	3 EDWARD DR 3 EDWARD DRIVE REALTY TR GULLA DAVID R & WENDY L TRS 3 EDWARD DR LITTLETON, MA 01460	R12 33 15 LUC: 101
1 ALLEN DR OAK HILL ROAD TRUST DAVID SANDERSON REV TR OF 2018 C/O D SANDERSON - 4 OAK HILL RD LITTLETON, MA 01460	R12 30 11 LUC: 713	16E OAK HILL RD GALLAGHER MARK P GALLAGHER STACY J 16E OAK HILL RD LITTLETON, MA 01460	R12 30 8 LUC: 101	8 EDWARD DR PRITCHETT JONATHAN J PRITCHETT LINDSEY 8 EDWARD DR LITTLETON, MA 01460	R12 33 21 LUC: 101
3 ALLEN DR OAK HILL ROAD TRUST DAVID SANDERSON REV TR OF 2018 C/O D SANDERSON - 4 OAK HILL RD LITTLETON, MA 01460	R12 30 12 LUC: 713	7 EDWARD DR LOBLUNDO JOSEPH R LOBLUNDO LOUISE M 7 EDWARD DR LITTLETON, MA 01460	R12 30 9 LUC: 101	16H OAK HILL RD ERHARTIC JESSE ERHARTIC NICOLE 16H OAK HILL RD LITTLETON, MA 01460	R12 33 28 LUC: 101
5 ALLEN DR OAK HILL ROAD TRUST DAVID SANDERSON REV TR OF 2018 C/O D SANDERSON - 4 OAK HILL RD LITTLETON, MA 01460	R12 30 13 LUC: 713	10 OAK HILL RD MACNEIL GLEN R MACNEIL HEATHER 10 OAK HILL ROAD LITTLETON, MA 01460	R12 32 0 LUC: 101	16I OAK HILL RD MORRIS ALLAN R MORRIS JESSIE M 16I OAK HILL RD LITTLETON, MA 01460	R12 33 29 LUC: 101
85 WHITCOMB AV BENDER EDWARD A BENDER EMILY Z 35 IPSWICH DR LITTLETON, MA 01460	R12 30 14 LUC: 101	OAK HILL RD LITTLETON TOWN OF CONSERVATION COMM P.O. BOX 1365 LITTLETON, MA 01460	R12 33 0 LUC: 932	21 EDWARD DR SAUNDERS JENNA SAUNDERS JUSTIN 21 EDWARD DR LITTLETON, MA 01460	R12 33 6 LUC: 101
14A OAK HILL RD GREANY MATTHEW J GREANY ERICA S 14A OAK HILL ROAD LITTLETON, MA 01460	R12 30 2 LUC: 101	13 EDWARD DR KENNEDY ALEXANDER C 13 EDWARD DR LITTLETON, MA 01460	R12 33 10 LUC: 101	19 EDWARD DR VIMADALAL SHAHVIR M VIMADALAL NAZNEEN 19 EDWARD DR LITTLETON, MA 01460	R12 33 7 LUC: 101
14B OAK HILL RD WEISS HAYLEY A ROTHSCHILD SETH 14B OAK HILL ROAD LITTLETON, MA 01460	R12 30 3 LUC: 101	11 EDWARD DR KELLY O DRISCOLL TRUST DRISCOLL KELLY O TRUSTEE 11 EDWARD DR LITTLETON, MA 01460	R12 33 11 LUC: 101	17 EDWARD DR LANKE KOPANATHI FAM REV LIV TR TRUSTEE LANKE SATYA S SHANKAR 17 EDWARD DR LITTLETON, MA 01460	R12 33 8 LUC: 101

15 EDWARD DR R12 33 9  
LUC: 101  
FRANCIS MATTHEW  
FRANCIS MELISSA  
15 EDWARD DR  
LITTLETON, MA 01460

18 OAK HILL RD R12 34 12  
LUC: 101  
BROOMHEAD ANN A  
SZCZESUIL TIMOTHY P  
18 OAK HILL ROAD  
LITTLETON, MA 01460

7 OLD ORCHARD LN R12 34 8  
LUC: 101  
BROWN WILLIAM C JR  
BROWN PAMELA A  
7 OLD ORCHARD LN  
LITTLETON, MA 01460

OFF OAK HILL RD R15 2 0  
LUC: 932  
LITTLETON TOWN OF  
CONSERVATION COMMISSION  
PO BOX 1305  
LITTLETON, MA 01460

86 WHITCOMB AV U40 17 0  
LUC: 101  
ALEXANDER MARK A  
86 WHITCOMB AV  
LITTLETON, MA 01460

92 WHITCOMB AV U40 18 0  
LUC: 101  
TIERNEY KELLY BRYNN  
BARTKUS THEODORE O  
92 WHITCOMB AV  
LITTLETON, MA 01460

90 WHITCOMB AV U40 18 A  
LUC: 101  
THE DJM TRUST  
TRUSTEE MURPHY DANIEL J  
90 WHITCOMB AVE  
LITTLETON, MA 01460

93 WHITCOMB AV U40 19 0  
LUC: 101  
GALLAGAN ERIN  
GUDELSKI JONATHAN  
93 WHITCOMB AVE  
LITTLETON, MA 01460

89 WHITCOMB AV U40 20 0  
LUC: 101  
FEMINO TRUST  
FEMINO PAUL J  
17 BLANCHARD RD  
HARVARD, MA 01451

83 SANDERSON RD U40 21 0  
LUC: 101  
ZIMMERMAN JR ROBERT L  
ZIMMERMAN KATHLEEN DEMPSEY  
83 SANDERSON RD  
LITTLETON, MA 01460

60 SANDERSON RD U40 22 0  
LUC: 101  
DOUGLAS DIANE M  
60 SANDERSON RD  
LITTLETON, MA 01460

20 HARVARD RD U44 6 0  
LUC: 400  
PATRIOT BEVERAGES LLC  
25 COPELAND DR  
AYER, MA 01432