

Stamski and McNary, Inc.
Engineering - Planning - Surveying
1000 Main Street Acton, MA 01720
Ph:(978) 263-8585
www.stamskiandmcnary.com

Notice of Intent

Under the Massachusetts Wetland Protection Act,
G.L. c. 131, s. 40 &
Town of Littleton Wetlands Protection Bylaw

for

**18 Pleasant Street
Littleton, MA 01460
Map U39, Parcel 23-0**

Applicant: Paul Dudley
18 Pleasant Street
Littleton, MA 01460

Owner: Saart Family Revocable Trust
18 Pleasant Street
Littleton, MA 01460

Date: June 16, 2025

SM-7833

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Certified Abutters List / Affidavit / Notice to Abutters

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- B. Massachusetts Natural Heritage Atlas 15th edition, Effective: August 1, 2021
- C. FEMA Flood Insurance Rate Map
- D. Field Data Sheets
- E. Sewage Disposal Plan by Stamski and McNary, Inc.

NOI Plan Filing Procedure Summary



Littleton Conservation Commission

37 Shattuck Street / Room 303

Phone: 978 540-2428

Fax: 978 952-2321

NOI Plan Filing Procedure Summary

Submit this checklist with application

(rev February 14, 2024)

Plans Checklist to accompany application for Notice of Intent (NOI). This is a Bylaw Supplemental form to aid you in submitting complete and appropriate information on your plans. These are suggested/expected items to be shown on the plans but will not necessarily be applicable to all projects. Note that the Commission requires a colored plan for presentation purposes.

All lines must be marked X or identified as Not Applicable ("N/A"), or noted as to where the information can be found.

(1) North arrow Locus insert Bar scale (preferably 1 in = 20 to 40 ft.)

(2) Title Block with Following Information:

Plan Title

Applicant's Name(s), address & phone

Property Owner Name(s), address & phone

Location/street name & number

Assessor map, lot, Registry book, page on all lots w/activity

Plan preparer's name, title, stamp, company name, address phone & fax

Date plan prepared, last revised, and revision notes

(3) Existing contours

(4) Existing structure(s) with natural and man-made features, including stone walls and trails

(5) Trees over 8-inch diameter breast height within resource areas and buffer zones

(6) Property lines; clearly mark limits of review area if entire property is not under review

(7) Existing utilities, rights-of-way, easements, ancient ways or other deeded ways

PROJECT NAME/ADDRESS: 18 Pleasant Street, Littleton MA DATE: 06/16/2025

(8) Name of wetland scientist responsible for identifying wetland boundaries

(9) Date wetland was flagged (must be no more than 3 years prior to current date)

(10) Wetland resource area boundaries with flag numbers

(11) 100 foot buffer zone limits and 50-foot No Disturb limit

(12) Notations identifying all wetland types and delineation methodology

(13) _____ Shortest distance to all resource areas from closest proposed structure (use arrow)

(14) _____ Shortest distance to all resource areas from closest point of erosion control materials

(15) Proposed contours (one foot increments)

(16) Proposed location of utility lines

(17) Proposed structure(s) (including driveway work, septic components, etc)

(18) _____ Existing and proposed stormwater management features (including temporary controls)

(19) _____ Watersheds and drainage areas

(20) Test pit, boring holes and logs

(21) _____ Conservation post detail and plaque detail

(22) _____ Location of temporary stockpiles w/notation of content (e.g. excavated soils)

(23) _____ Location of snow storage areas

(24) _____ Location of dumpster(s)

(25) _____ Cross-sections, particularly at key areas of slopes near wetland resource areas

(26) _____ Mitigation plans as needed

(27) _____ Construction sequencing

(28) Details as applicable, including type of erosion controls

One full sized color plans (and presentation plan) should be colored as follows.

Check if present	Feature	Line Type
	Existing tree line	Green solid
	Proposed tree line	Green dashed
×	Bordering Vegetated Wetlands*	Dark blue solid
	Bank/Land Under Water	Light blue dashed
×	100 foot buffer from BVW and/or Bank	Yellow solid
×	50 foot No Disturb limit from BVW and/or Bank	Yellow dashed
	Vernal Pool	Purple solid
	Vernal Pool 100 foot	Purple dashed
×	Bordering Lands Subject to Flooding	Orange solid
	Isolated Lands Subject to Flooding	Orange dashed
	Mean Annual High Water	Light red solid
	100 foot and 200 foot Riverfront Area	Light red dashed
	Bank, Wetland, Land Under Water, Riverfront Area and Floodplain	Red solid with differentiated stippling/cross hatching
	Mitigation Area	Red dashed line with differentiated stippling/cross hatching
×	Erosion controls	Brown dashed
	Limit of work	Brown solid

*Note locations of any federal, non-state isolated vegetated wetlands

Narrative

Project Narrative

Existing Conditions

The lot contains a single-family existing dwelling, paved driveway, shed and an onsite sewage disposal system in failure. There is a Bordering Vegetated Wetland (BVW) that projects the 100-foot Buffer Zone onto the property. A portion of the lot lies within the Flood Plain Conservancy District. The vegetative site coverage is comprised of lawn and lightly wooded areas. Most of the lot is located within the 100' Buffer Zone.

Project Description

Work within the 100-foot Buffer Zone includes the construction of a new onsite sewage disposal system to replace the existing failed system. The existing sewage disposal system will be abandoned in accordance with Title 5, Section 15.354 "Abandonment of Systems" or disposed offsite. A portion of the existing driveway will be sawcut, repaved and regraded in order to accommodate the new system.

Resource Area Descriptions

The resource area is a Bordering Vegetated Wetland (BVW) delineated by wetland scientist David Crossman of B&C Associates and located by field Survey.

Massachusetts Endangered Species Act Review:

The location of the property does not contain any endangered species.

Compliance with General Performance Standards for BLSF 310 CMR 10.57 (4) (a) (1-3)

The General Performance Standards for a BLSF have been met since the proposed work will not restrict flow. Siltation controls are proposed to prevent indirect alteration of the resource area during construction.

Compliance with General Performance Standards for 310 CMR 10.55 (4) (a-e)

The General Performance Standards for a Bordering Vegetated Wetland (BVW) have been met since the proposed activity does not involve removing, filling, dredging, or altering of a BVW. Siltation controls are proposed to prevent indirect alteration of the resource area during construction.

Compliance with Town of Littleton Wetlands Protection Regulations

4.2 Wetland Setbacks for New Activities and Structures

(2) In the judgment of the Commission, any new activity (other than travel by foot or nonmotorized vehicle or removal of invasive vegetation using proper methods) or structure within 50 feet of a Bank or BVW is likely to alter the Bank or BVW. No new activity or structure (other than the aforesaid travel or removal of invasive vegetation) shall be allowed within the No-Disturbance Area(s) set forth below except under a Waiver as provided in Section 1.4 of these Regulations (or as otherwise provided in these Regulations). This is the minimum distance for the No-Disturbance Area; the distance may be extended further by the Commission if deemed necessary for the protection of the Interests of the Bylaw, up to the outer extent of the Buffer Zone as established in the Bylaw.

a) No-Disturbance Area: This is any area within the BVW or Bank and the first 50 feet of the Buffer Zone from BVW or Bank. No activities or work is permitted other than passive (foot or non-motorized vehicle) passage and removal of invasive vegetation if done in compliance with these Regulations. Except as noted, no vegetation may be disturbed, and the area should remain unchanged from its pre-project state.

b) Marking the No-Disturbance Area: The commission may require the limits of No Disturbance be marked prior to construction.

The proposed soil absorption system, septic tank, and pump chamber are located outside the 50-foot No-Disturb Zone. A waiver has been requested because the limit of work extends into the 50-foot No-Disturb Zone. The existing septic within this Buffer Zone is proposed to

be pumped dry, bottom ruptured, and backfilled with clean in accordance with Title 5, Section 15.354 “Abandonment of Systems” or disposed offsite.

4.3 Performance Standards for Work in the Buffer Zone

(1) The activity shall not significantly impair the values and functions of the adjacent Areas Subject to Protection. The quantity and quality of resource values and functions, as well as pre-project conditions, such as ground slope, soil conditions, vegetation, and prior disturbance of the site should be considered explicitly in making this determination. Any offsetting mitigation provided shall also be considered, including the inclusion of pedestrian and bicycle access rights-of-way in the project (which can reduce the pollutant runoff and climate change construction associated with the project). *The proposed work does not significantly impair the function of the adjacent Areas Subject to Protection as all work is proposed within existing altered area. A waiver request has been requested for work within the 50-foot No-Disturb Zone.*

(2) The amount of net additional impervious coverage created in the Buffer Zone shall be minimized to the extent feasible (including by use of pervious alternatives). *There will be no increase in impervious areas onsite.*

(3) Landowners shall minimize application of fertilizers containing nitrogen and phosphorus, other than for agricultural uses.

No application of fertilizers containing nitrogen and phosphorus is proposed on site.

4.4 Wildlife Habitat and Rare Species

There are no Wildlife Habitat and Rare Species on site.

4.7 Erosion Prevention

Installation of a siltation barrier between the proposed Limit of Work and the remaining Buffer Zone is required to prevent sediment-laden runoff from entering Areas Subject to Protection. Such sediments shall be removed and siltation barriers monitored and replaced when deemed necessary by the Commission or its agent. In addition, soil stabilization of disturbed areas is required to minimize migration of soil to and beyond said siltation barriers.

A siltation barrier is proposed to demarcate the limit of work and to prevent indirect alteration of the Resource Area during construction. The disturbed area will be loamed and seeded or repaved as applicable.

Summary:

The project has been designed to meet the performance standards of the Wetland Protection Act. The project has also been designed to meet Littleton’s Wetlands Protection Regulations. Erosion controls have been proposed to protect wetland resource areas during construction of the dwelling.

WPA Form 3 (Notice of Intent)



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:

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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):

18 Pleasant	Littleton	01460
a. Street Address	b. City/Town	c. Zip Code
Latitude and Longitude:		42d 32' 5" N
		71d 29' 56" W
U39		d. Latitude
		e. Longitude
f. Assessors Map/Plat Number		23-0
		g. Parcel /Lot Number

2. Applicant:

Paul	Dudley	
a. First Name	b. Last Name	
c. Organization		
18 Pleasant Street		
d. Street Address		
Littleton	MA	01460
e. City/Town	f. State	g. Zip Code
603-699-2948	pdudley21@yahoo.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	
Saart Family Revocable Trust		
c. Organization		
18 Pleasant Street		
d. Street Address		
Littleton	MA	01460
e. City/Town	f. State	g. Zip Code
h. Phone Number	i. Fax Number	j. Email address

4. Representative (if any):

Montgomery	Nsamba	
a. First Name	b. Last Name	
Stamski and McNary, Inc.		
c. Company		
1000 Main Street		
d. Street Address		
Acton	MA	01720
e. City/Town	f. State	g. Zip Code
978-263-8585 X207	mn@stamskiandmcnary.com	
h. Phone Number	i. Fax Number	j. Email address

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

\$110.00	\$42.50	\$67.50 + (\$55 Bylaw Fee)
a. Total Fee Paid	b. State Fee Paid	c. City/Town Fee Paid



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A. General Information (continued)

6. General Project Description:

The proposed project includes construction of a new onsite Sewage Disposal System and grading within the 100-foot Buffer Zone. Siltation barriers are provided. See Narrative.

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:

Middlesex South

a. County

77370

c. Book

b. Certificate # (if registered land)

56

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.

<u>Resource Area</u>	<u>Size of Proposed Alteration</u>	<u>Proposed Replacement (if any)</u>
a. <input type="checkbox"/> Bank	1. linear feet	2. linear feet
b. <input type="checkbox"/> Bordering Vegetated Wetland	1. square feet	2. square feet
c. <input type="checkbox"/> Land Under Waterbodies and Waterways	1. square feet 3. cubic yards dredged	2. square feet
<u>Resource Area</u>	<u>Size of Proposed Alteration</u>	<u>Proposed Replacement (if any)</u>
d. <input type="checkbox"/> Bordering Land Subject to Flooding	1. square feet 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. <input type="checkbox"/> Riverfront Area	1. Name of Waterway (if available) - specify coastal or inland	
2. Width of Riverfront Area (check one):	<input type="checkbox"/> 25 ft. - Designated Densely Developed Areas only <input type="checkbox"/> 100 ft. - New agricultural projects only <input type="checkbox"/> 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?	<input type="checkbox"/> Yes <input type="checkbox"/> No	
6. Was the lot where the activity is proposed created prior to August 1, 1996?	<input type="checkbox"/> Yes <input type="checkbox"/> No	
3. <input type="checkbox"/> 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>		
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	
j. <input type="checkbox"/> Land Containing Shellfish	2. cubic yards dredged	
k. <input type="checkbox"/> Fish Runs	1. square feet	
Indicate size under Coastal Banks, inland Bank, Land Under the Ocean, and/or inland Land Under Waterbodies and Waterways, above		
	1. cubic yards dredged	
l. <input type="checkbox"/> Land Subject to Coastal Storm Flowage	1. square feet	
4. <input type="checkbox"/> Restoration/Enhancement	If the project is for the purpose of restoring or enhancing a wetland resource area in addition to the square footage that has been entered in Section B.2.b or B.3.h above, please enter the additional amount here.	
a. square feet of BVW		b. square feet of Salt Marsh
5. <input type="checkbox"/> Project Involves Stream Crossings		
a. number of new stream crossings		b. number of replacement stream crossings



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C. Other Applicable Standards and Requirements

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

Streamlined Massachusetts Endangered Species Act/Wetlands Protection Act Review

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

a. Yes No

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

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

August 1, 2021

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 <https://www.mass.gov/massachusetts-endangered-species-act-mesa-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 <https://www.mass.gov/how-to/how-to-file-for-a-mesa-project-review>).

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, <https://www.mass.gov/service-details/exemptions-from-review-for-projectsactivities-in-priority-habitat>; 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 North Shore - Hull to New Hampshire border: 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@mass.gov

Division of Marine Fisheries -
North Shore Office
Attn: Environmental Reviewer
30 Emerson Avenue
Gloucester, MA 01930
Email: dmf.envreview-north@mass.gov

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. Is this an aquaculture project? d. Yes No

If yes, include a copy of the Division of Marine Fisheries Certification Letter (M.G.L. c. 130, § 57).



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

4. Is any portion of the proposed project within an Area of Critical Environmental Concern (ACEC)?

a. Yes No If yes, provide name of ACEC (see instructions to WPA Form 3 or MassDEP Website for ACEC locations). **Note:** electronic filers click on Website.

b. ACEC

5. Is any portion of the proposed project within an area designated as an Outstanding Resource Water (ORW) as designated in the Massachusetts Surface Water Quality Standards, 314 CMR 4.00?

a. Yes No

6. Is any portion of the site subject to a Wetlands Restriction Order under the Inland Wetlands Restriction Act (M.G.L. c. 131, § 40A) or the Coastal Wetlands Restriction Act (M.G.L. c. 130, § 105)?

a. Yes No

7. Is this project subject to provisions of the MassDEP Stormwater Management Standards?

a. Yes. Attach a copy of the Stormwater Report as required by the Stormwater Management Standards per 310 CMR 10.05(6)(k)-(q) and check if:

1. Applying for Low Impact Development (LID) site design credits (as described in Stormwater Management Handbook Vol. 2, Chapter 3)
2. A portion of the site constitutes redevelopment
3. Proprietary BMPs are included in the Stormwater Management System.

b. No. Check why the project is exempt:

1. Single-family house
2. Emergency road repair
3. Small Residential Subdivision (less than or equal to 4 single-family houses or less than 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.

Sewage Disposal Plan

a. Plan Title

Stamski and McNary, Inc.

b. Prepared By

June 16, 2025

d. Final Revision Date

George Dimakarakos

c. Signed and Stamped by

1" = 20'

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:

1027

2. Municipal Check Number

335

4. State Check Number

Jose' Dudley & Marie Doris Saart Estate

6. Payor name on check: First Name

6/05/2025

3. Check date

6/05/2025

5. Check date

7. Payor name on check: Last Name



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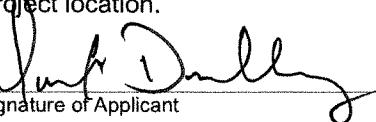
Littleton

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.

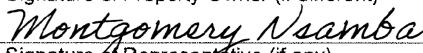


1. Signature of Applicant

6/05/2025

2. Date

3. Signature of Property Owner (if different)



5. Signature of Representative (if any)

4. Date

June 13, 2025

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:

18 Pleasant Street

a. Street Address

335

c. Check number

Littleton

b. City/Town

\$42.50

d. Fee amount

2. Applicant Mailing Address:

Paul

a. First Name

Dudley

b. Last Name

c. Organization

18 Pleasant Street

d. Mailing Address

Worcester

e. City/Town

603-699-2948

h. Phone Number

i. Fax Number

MA

f. State

01460

g. Zip Code

pdudley21@yahoo.com

j. Email Address

3. Property Owner (if different):

a. First Name

b. Last Name

Saart Family Revocable Trust

c. Organization

18 Pleasant Street

d. Mailing Address

Littleton

e. City/Town

MA

f. State

01460

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)

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.)

Certified Abutters List / Affidavit / Notification to Abutters

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, Abbreviated Notice of Resource Area Delineation or Request for Determination of Applicability.

I, Debbi-Ann Sebastian (name of applicant or representative) certify under the pains and penalties of perjury that on 06/16/25 (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
 Notice of Intent / Abbreviated Notice of Intent
 Request for Amended Order of Conditions (MADEP File # 204-_____)

has been filed under the Massachusetts Wetlands Protection Act and Littleton Wetlands Protection ByLaw by Paul Dudley (name of applicant) with the Littleton Conservation Commission on 07/08/25 (date) for the property located at 18 Pleasant Street, Littleton MA (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

NOTIFICATION TO ABUTTERS

Pick one:

Notice of Intent/Abbreviated NOI

Abbreviated Notice of Resource Area Delineation

Request for Determination of Applicability

Request to Amend an Order of Conditions (MADEP File # 204_____)

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 permit application 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 Paul Dudley
- C. The address of the land where the activity is proposed is 18 Pleasant Street, Littleton, MA 01460
- D. The work proposed is The proposed project includes construction fo a new onsite Sewage Disposal System and grading within the 100-foot Buffer Zone. Siltation Controls are provided.
- 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 - 263 - 8585 during the following times: Mon-Thur, 7:30am - 5:00 pm. Note our office closes at noon on Friday.

- G. The public hearing/meeting will be held on **07/08/25** Information regarding the date and time of the public hearing/meeting may be obtained from the Littleton Conservation Commission (see contact info at the end of this notice).
- H. Notice of the public hearing/meeting, 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; 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



**TOWN OF LITTLETON
BOARD OF ASSESSORS**

P.O. BOX 1305
LITTLETON, MA 01460
(978) 540-2410
FAX: (978) 952-2321

Date: June 9, 2025

Re: Certified List of Abutters Conservation Commission

Applicant:	<u>Montgomery Nsamba</u>
Name of Firm:	<u>Stamski and McNary Inc</u>
Mailing Address:	<u>1000 Main Street Acton MA 01720</u>
Subject Parcel Location:	<u>18 Pleasant Street</u>
Subject Parcel No.:	<u>U39 23 0</u>
Subject Owner Name:	<u>SAART Family Revocable Trust</u>

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 parcels 1 Applicant Requesting Abutter's List.

Certified by:

Name: Kim Prehl

Title: Office Assistant

14 PLEASANT ST U39 22 0

LUC: 101

DEVEAU, JOHN C.

DEVEAU, CONSTANCE D.

14 PLEASANT ST

LITTLETON, MA 01460

18 PLEASANT ST U39 23 0

LUC: 101

SAART FAMILY REVOCABLE TRUST

SAART MARIE D, TRUSTEE

18 PLEASANT ST

LITTLETON, MA 01460

22 PLEASANT ST U39 24 0

LUC: 101

MISIOLEK GRZEGORZ

MISIOLEK RACHEL VALDEZ

22 PLEASANT ST

LITTLETON, MA 01460

PLEASANT ST U39 25 0

LUC: 936

LITTLETON TOWN OF

P.O. BOX 1305

LITTLETON, MA 01460

21 PLEASANT ST U39 71 0

LUC: 101

CELI JOSEPH HA

CELI SERRYN L

21 PLEASANT ST

LITTLETON, MA 01460

15 PLEASANT ST U39 72 0

LUC: 101

IMBROGNA SHERRY L

15 PLEASANT ST

LITTLETON, MA 01460

39 WHITE PINE DR U39 73 0

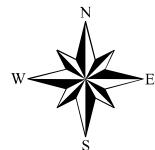
LUC: 101

BOUTWELL TYLER

39 WHITE PINE DR

LITTLETON, MA 01460

U.S.G.S. Locus Map



Littleton, MA

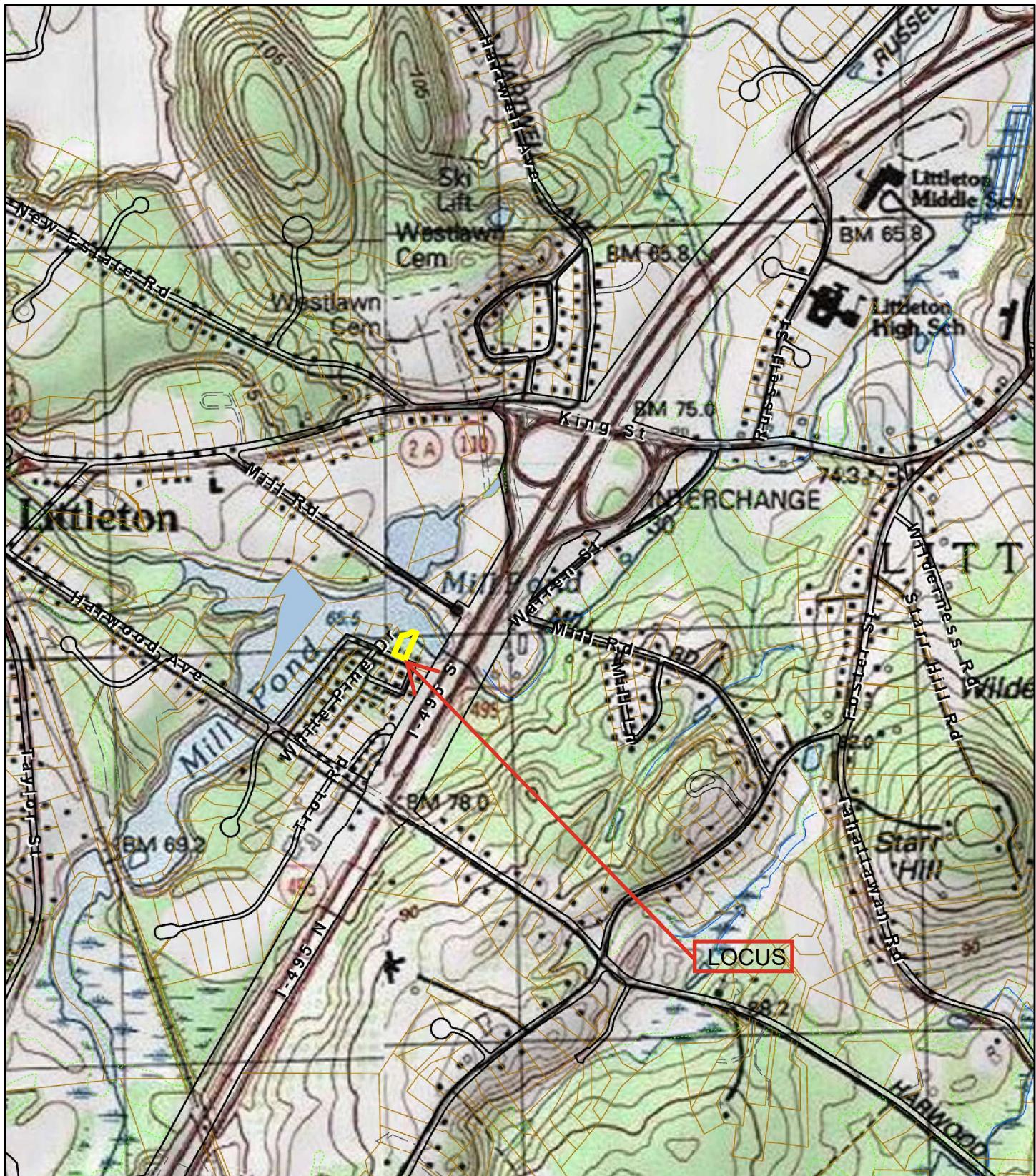
1 inch = 1111 Feet

June 6, 2025

0 1111 2222 3333

CAI Technologies
Precision Mapping. Geospatial Solutions.

www.cai-tech.com



Data shown on this map is provided for planning and informational purposes only. The municipality and CAI Technologies are not responsible for any use for other purposes or misuse or misrepresentation of this map.

FEMA Flood Map

National Flood Hazard Layer FIRMette

71°30'15" W 42°32'19" N

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT



Basemap Imagery Source: USGS National Map 2023

regulatory purposes.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

Without Base Flood Elevation (BFE) Zone A, V, A99	With BFE or Depth Zone AE, AO, AH, VE, AR
	

0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile **Zone X**

Future Conditions 1% Annual Chance Flood Hazard **Zone X**

Area with Reduced Flood Risk due to Levee, See Notes, **Zone X**

Area with Flood Risk due to Levee **Zone D**

OTHER AREAS OF FLOOD HAZARD

 NO SCREEN	Area of Minimal Flood Hazard	Zone X
 Effective LOMRs	Area of Undetermined Flood Hazard	Zone
 OTHER AREAS		
 GENERAL		
 STRUCTURES		

20.2 Cross Sections with 1% Annual Chance

17.5 Water Surface Elevation

8 — — Coastal Transect

*****|***** Base Flood Elevation Line (BFE)

Limit of Study

Jurisdiction Boundary

Coastal Transect Baseline

Profile Baseline

Hydrographic Feature

OTHER FEATURES

Digital Data Available

No Digital Data Available

The pin displayed on the map is an approximate location.

**Massachusetts Natural Heritage
Atlas 15th Edition, Effective: August 1, 2021**

18 Pleasant Street, Littleton MA



Field Data Sheets

BORDERING VEGETATED WETLAND DETERMINATION FORM

Project/Site: 18 Pleasant Street City/Town: Littleton Sampling Date: 4/28/2025

Applicant/Owner: _____ Sampling Point or Zone: A1

Investigator(s): David Crossman - B & C Associates Inc. Latitude / Longitude: 42° 32' 5.8524" N 70° 29' 56.1012" W

Soil Map Unit Name: Sudbury fine sandy loam NWI or DEP Classification: _____

Are climatic/hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks)

Are Vegetation , Soil , or Hydrology significantly disturbed? (If yes, explain in Remarks)

Are Vegetation , Soil , or Hydrology naturally problematic? (If yes, explain in Remarks)

SUMMARY OF FINDINGS – Attach site map and photograph log showing sampling locations, transects, etc.

Wetland vegetation criterion met?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	Is the Sampled Area within a Wetland?
Hydric Soils criterion met?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetlands hydrology present?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
Remarks, Photo Details, Flagging, etc.: Sample point is located within a mowed area.			

HYDROLOGY

Field Observations:			
Surface Water Present?		Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/> Depth (inches) _____
Water Table Present?		Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/> Depth (inches) _____
Saturation Present (including capillary fringe)?		Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/> Depth (inches) _____

Wetland Hydrology Indicators

Reliable Indicators of Wetlands Hydrology	Indicators that can be Reliable with Proper Interpretation	Indicators of the Influence of Water
<input type="checkbox"/> Water-stained leaves	<input type="checkbox"/> Hydrological records	<input type="checkbox"/> Direct observation of inundation
<input type="checkbox"/> Evidence of aquatic fauna	<input type="checkbox"/> Free water in a soil test hole	<input type="checkbox"/> Drainage patterns
<input type="checkbox"/> Iron deposits	<input type="checkbox"/> Saturated soil	<input type="checkbox"/> Drift lines
<input type="checkbox"/> Algal mats or crusts	<input type="checkbox"/> Water marks	<input type="checkbox"/> Scoured areas
<input type="checkbox"/> Oxidized rhizospheres/pore linings	<input type="checkbox"/> Moss trim lines	<input type="checkbox"/> Sediment deposits
<input type="checkbox"/> Thin muck surfaces	<input type="checkbox"/> Presence of reduced iron	<input type="checkbox"/> Surface soil cracks
<input type="checkbox"/> Plants with air-filled tissue (aerenchyma)	<input type="checkbox"/> Woody plants with adventitious roots	<input type="checkbox"/> Sparsely vegetated concave surface
<input type="checkbox"/> Plants with polymorphic leaves	<input type="checkbox"/> Trees with shallow root systems	<input type="checkbox"/> Microtopographic relief
<input type="checkbox"/> Plants with floating leaves	<input type="checkbox"/> Woody plants with enlarged lenticels	<input type="checkbox"/> Geographic position (depression, toe of slope, fringing lowland)
<input type="checkbox"/> Hydrogen sulfide odor		

Remarks (describe recorded data from stream gauge, monitoring well, aerial photos, previous inspections, if available):

This form is only for BVW delineations. Other wetland resource areas may be present and should be delineated according to the applicable regulatory provisions.

VEGETATION – Use both common and scientific names of plants.

<u>Tree Stratum</u>		Plot size <u>30 feet</u>		Indicator Status	Absolute % Cover	Dominant? (yes/no)	Wetland Indictor? (yes/no)
Common name	Scientific name						
1. Red Oak	<i>Quercus rubra</i>	FACU	2.0	No	No		
2. Red Maple	<i>Acer rubrum</i>	FAC	98.0	Yes	Yes		
3.							
4.							
5.							
6.							
7.							
8.							
9.							
<u>100.0</u> = Total Cover							
<u>Shrub/Sapling Stratum</u>		Plot size <u>15 feet</u>		Indicator Status	Absolute % Cover	Dominant? (yes/no)	Wetland Indictor? (yes/no)
Common name	Scientific name						
1.							
2.							
3.							
4.							
5.							
6.							
7.							
8.							
9.							
<u>0.0</u> = Total Cover							
<u>Herb Stratum</u>		Plot size <u>6 feet</u>		Indicator Status	Absolute % Cover	Dominant? (yes/no)	Wetland Indictor? (yes/no)
Common name	Scientific name						
1. Sphagnum Moss	<i>Sphagnum palustre</i>	OBL	42.0	Yes	Yes		
2. Canada Mayflower	<i>Maianthemum canadense</i>	FACU	23.0	Yes	No		
3. Upland Grasses	<i>Graminae</i> sp.	UPL	23.0	Yes	No		
4. Stiff Clubmoss	<i>Lycopodium annotinum</i>	FAC	12.0	No	Yes		
5.							
6.							
7.							
8.							
9.							
10.							
11.							
12.							
<u>100.0</u> = Total Cover							

VEGETATION – continued.

Woody Vine Stratum	Plot size 30 feet	Indicator Status	Absolute % Cover	Dominant? (yes/no)	Wetland Indictor? (yes/no)
Common name	Scientific name				
1. Oriental Bittersweet	Celastrus orbiculatus	UPL	100.0	Yes	No
2.					
3.					
4.					
<u>100.0</u> = Total Cover					

Rapid Test: Do all dominant species have an indicator status of OBL or FACW?		Yes <input type="checkbox"/>	No <input type="checkbox"/>		
Dominance Test:	Number of dominant species	Number of dominant species that are wetland indicator plants			
		5	2	Do wetland indicator plants make up ≥ 50% of dominant plant species?	
Prevalence Index:	OBL species	Total % Cover (all strata)	Multiply by:	Result	
	FACW species		X 1	= 0.00	
	FAC species		X 2	= 0.00	
	FACU species		X 3	= 0.00	
	UPL species		X 4	= 0.00	
	Column Totals	(A) 0	X 5	= 0.00	
Prevalence Index		B/A = 0.00	Is the Prevalence Index ≤ 3.0?		
Wetland vegetation criterion met?		Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>	

Definitions of Vegetation Strata

Tree - Woody plants 3 in. (7.62 cm) or more in diameter at breast height (DBH), regardless of height

Shrub / Sapling - Woody plants less than 3 in. (7.62 cm) DBH and greater than or equal to 3.3 ft. (1 m) tall

Herb - All herbaceous (non-woody plants, regardless of size, and woody plants less than 3.3 ft. (1 m) tall

Woody vines - All woody vines greater than 3.3 ft. (1 m) in height

Cover Ranges	
Range	Midpoint
1-5 %	3.0 %
6-15 %	10.5 %
15-25 %	20.5 %
26-50 %	38.0 %
51-75 %	63.0 %
76-95 %	85.5 %
96-100 %	98.0 %

SOIL

BORDERING VEGETATED WETLAND DETERMINATION FORM

Project/Site: 18 Pleasant Street City/Town: Littleton Sampling Date: 4/28/2025

Applicant/Owner: _____ Sampling Point or Zone: A2

Investigator(s): David Crossman - B & C Associates Inc. Latitude / Longitude: 42° 32' 5.8524" N 70° 29' 56.1012" W

Soil Map Unit Name: Sudbury fine sandy loam NWI or DEP Classification: Deep Marsh

Are climatic/hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks)

Are Vegetation , Soil , or Hydrology significantly disturbed? (If yes, explain in Remarks)

Are Vegetation , Soil , or Hydrology naturally problematic? (If yes, explain in Remarks)

SUMMARY OF FINDINGS – Attach site map and photograph log showing sampling locations, transects, etc.

Wetland vegetation criterion met?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Is the Sampled Area	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Hydric Soils criterion met?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	within a Wetland?		
Wetlands hydrology present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>			
Remarks, Photo Details, Flagging, etc.: Sample point is located within a mowed area.					

HYDROLOGY

Field Observations:					
Surface Water Present?		Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	Depth (inches) _____	
Water Table Present?		Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Depth (inches) <u>16.00</u>	
Saturation Present (including capillary fringe)?		Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Depth (inches) <u>0.00</u>	

Wetland Hydrology Indicators

Reliable Indicators of Wetlands Hydrology	Indicators that can be Reliable with Proper Interpretation	Indicators of the Influence of Water
<input checked="" type="checkbox"/> Water-stained leaves <input type="checkbox"/> Evidence of aquatic fauna <input type="checkbox"/> Iron deposits <input type="checkbox"/> Algal mats or crusts <input type="checkbox"/> Oxidized rhizospheres/pore linings <input type="checkbox"/> Thin muck surfaces <input type="checkbox"/> Plants with air-filled tissue (aerenchyma) <input type="checkbox"/> Plants with polymorphic leaves <input type="checkbox"/> Plants with floating leaves <input type="checkbox"/> Hydrogen sulfide odor	<input type="checkbox"/> Hydrological records <input checked="" type="checkbox"/> Free water in a soil test hole <input checked="" type="checkbox"/> Saturated soil <input type="checkbox"/> Water marks <input type="checkbox"/> Moss trim lines <input checked="" type="checkbox"/> Presence of reduced iron <input type="checkbox"/> Woody plants with adventitious roots <input type="checkbox"/> Trees with shallow root systems <input type="checkbox"/> Woody plants with enlarged lenticels	<input type="checkbox"/> Direct observation of inundation <input checked="" type="checkbox"/> Drainage patterns <input type="checkbox"/> Drift lines <input type="checkbox"/> Scoured areas <input type="checkbox"/> Sediment deposits <input type="checkbox"/> Surface soil cracks <input type="checkbox"/> Sparsely vegetated concave surface <input type="checkbox"/> Microtopographic relief <input checked="" type="checkbox"/> Geographic position (depression, toe of slope, fringing lowland)

Remarks (describe recorded data from stream gauge, monitoring well, aerial photos, previous inspections, if available):

This form is only for BVW delineations. Other wetland resource areas may be present and should be delineated according to the applicable regulatory provisions.

VEGETATION – Use both common and scientific names of plants.

<u>Tree Stratum</u>		Plot size <u>30 feet</u>		Indicator Status	Absolute % Cover	Dominant? (yes/no)	Wetland Indictor? (yes/no)
Common name	Scientific name						
1. Red Oak	<i>Quercus rubra</i>	FACU	18.0	No	No		
2. Red Maple	<i>Acer rubrum</i>	FAC	82.0	Yes	Yes		
3.							
4.							
5.							
6.							
7.							
8.							
9.							
<u>100.0</u> = Total Cover							
<u>Shrub/Sapling Stratum</u>		Plot size <u>15 feet</u>		Indicator Status	Absolute % Cover	Dominant? (yes/no)	Wetland Indictor? (yes/no)
Common name	Scientific name						
1. European Buckthorn	<i>Rhamnus frangula</i>	FAC	100.0	Yes	Yes		
2.							
3.							
4.							
5.							
6.							
7.							
8.							
9.							
<u>100.0</u> = Total Cover							
<u>Herb Stratum</u>		Plot size <u>6 feet</u>		Indicator Status	Absolute % Cover	Dominant? (yes/no)	Wetland Indictor? (yes/no)
Common name	Scientific name						
1. Sphagnum Moss	<i>Sphagnum palustre</i>	OBL	66.0	Yes	Yes		
2. Canada Mayflower	<i>Maianthemum canadense</i>	FACU	21.0	Yes	No		
3. Upland Grasses	<i>Graminae sp.</i>	UPL	3.0	No	No		
4. Stiff Clubmoss	<i>Lycopodium annotinum</i>	FAC	11.0	No	Yes		
5.							
6.							
7.							
8.							
9.							
10.							
11.							
12.							
<u>101.0</u> = Total Cover							

VEGETATION – continued.

Woody Vine Stratum	Plot size <u>30 feet</u>	Indicator Status	Absolute % Cover	Dominant? (yes/no)	Wetland Indictor? (yes/no)
Common name	Scientific name				
1.					
2.					
3.					
4.					
<u>0.0</u> = Total Cover					

Rapid Test: Do all dominant species have an indicator status of OBL or FACW?		Yes <input type="checkbox"/>	No <input type="checkbox"/>	
Dominance Test:	Number of dominant species	Number of dominant species that are wetland indicator plants		
	4	3		
Prevalence Index:	Total % Cover (all strata)		Multiply by:	Result
	OBL species		X 1	= 0.00
	FACW species		X 2	= 0.00
	FAC species		X 3	= 0.00
	FACU species		X 4	= 0.00
	UPL species		X 5	= 0.00
Column Totals	(A) 0		(B) 0	
Prevalence Index	B/A = <u>0.00</u>		Is the Prevalence Index ≤ 3.0 ?	
Wetland vegetation criterion met?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		

Definitions of Vegetation Strata

Tree - Woody plants 3 in. (7.62 cm) or more in diameter at breast height (DBH), regardless of height

Shrub / Sapling - Woody plants less than 3 in. (7.62 cm) DBH and greater than or equal to 3.3 ft. (1 m) tall

Herb - All herbaceous (non-woody plants, regardless of size, and woody plants less than 3.3 ft. (1 m) tall

Woody vines - All woody vines greater than 3.3 ft. (1 m) in height

Cover Ranges	
Range	Midpoint
1-5 %	3.0 %
6-15 %	10.5 %
15-25 %	20.5 %
26-50 %	38.0 %
51-75 %	63.0 %
76-95 %	85.5 %
96-100 %	98.0 %

SOIL

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains

²Location: PL=Pore Lining, M=Matrix

Hydric Soil Indicators (Check all that apply)		Indicators for Problematic Hydric Soils
<input type="checkbox"/> Histosol (A1)	<input type="checkbox"/> Polyvalue Below Surface (S8)	<input type="checkbox"/> 2 cm Muck (A10)
<input type="checkbox"/> Histic Epipedon (A2)	<input type="checkbox"/> Thin Dark Surface (S9)	<input type="checkbox"/> 5 cm Mucky Peat or Peat (S3)
<input type="checkbox"/> Black Histic (A3)	<input type="checkbox"/> Loamy Gleyed Matrix (F2)	<input type="checkbox"/> Iron-Manganese Masses (F12)
<input type="checkbox"/> Hydrogen Sulfide (A4)	<input checked="" type="checkbox"/> Depleted Matrix (F3)	<input type="checkbox"/> Mesic Spodic (A17)
<input type="checkbox"/> Stratified Layers (A5)	<input type="checkbox"/> Redox Dark Surface (F6)	<input type="checkbox"/> Red Parent Material (F21)
<input checked="" type="checkbox"/> Depleted Below Dark Surface (A11)	<input type="checkbox"/> Depleted Dark Surface (F7)	<input type="checkbox"/> Very Shallow Dark Surface (F22)
<input type="checkbox"/> Thick Dark Surface (A12)	<input type="checkbox"/> Redox Depressions (F8)	
<input type="checkbox"/> Sandy Mucky Mineral (S1)		
<input checked="" type="checkbox"/> Sandy Gleyed Matrix (S4)		
<input checked="" type="checkbox"/> Sandy Redox (S5)		<input type="checkbox"/> Other (Include Explanation in Remarks)
<input type="checkbox"/> Stripped Matrix (S6)		
<input checked="" type="checkbox"/> Dark Surface (S7)		

Restrictive Layer (if observed) Type: _____ Depth (inches): _____

Remarks: Soil sample located 16' 11" from wetland downgradient from Sample Point A1

Hydric Soils criterion met? Yes No

**Sewage Disposal Plan
By
Stamski and McNary, Inc.,**