

# NOTICE OF INTENT

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## Proposed Pool & Patio 30 Chatham Way Lynnfield, Massachusetts



**SUBMITTED TO:**  
Town of Lynnfield  
Conservation Commission  
55 Summer Street  
Lynnfield, MA 01940

**PREPARED FOR:**  
Brian and Kelly Regan  
30 Chatham Way  
Lynnfield, MA 01940

**PREPARED BY:**  
Lucas Environmental, LLC  
500A Washington Street  
Quincy, Massachusetts 02169

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**REPORT DATE:** May 24, 2021





May 24, 2021

Town of Lynnfield  
Conservation Commission  
55 Summer Street  
Lynnfield, MA 01940

Re: Notice of Intent  
30 Chatham Way  
Lynnfield, MA, 01940

Members of the Lynnfield Conservation Commission:

On behalf of the Owners and Applicants, Brian and Kelly Regan, Lucas Environmental, LLC (LE) is pleased to submit this Notice of Intent (NOI) to the Lynnfield Conservation Commission for a proposed pool and patio at 30 Chatham Way in Lynnfield, Massachusetts. Proposed work will occur within the 100-Foot Buffer Zone to Bordering Vegetated Wetlands. This NOI is submitted in accordance with the Massachusetts Wetlands Protection Act (WPA; M.G.L. Ch. 131, Section 40) and implementing regulations (310 CMR 10.00 et seq.), and the Lynnfield Wetlands Protection Bylaw (Chapter 240) and implementing Wetlands Protection Regulations Article 1 (Bylaw). Because the project is located on a pre-existing individual single-family residential lot, the proposed work is exempted from Bylaw jurisdiction per Bylaw §240-2 and §240-3.

## 1.0 EXISTING CONDITIONS

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The subject property is located at 30 Chatham Way in Lynnfield, Massachusetts (See Figure 1 – USGS Map) and includes approximately 0.92± acre of land. There is an existing two-story single family house, paved driveway, deck, and concrete paver patio on the property. The lot is bounded by Chatham Way to the south, and residential properties to the north, east, and west. A small unnamed intermittent stream flows from a culvert near the northwest property line and then east through a wetland across the rear of the property.

A review of the current MassGIS data layer for the Massachusetts Natural Heritage Atlas (effective August 1, 2017) under the Natural Heritage & Endangered Species Program (NHESP) indicates that no portion of the Study Area is located within Estimated Habitat of Rare Wildlife or Priority Habitat of Rare Species (See Figure 2 – NHESP/FEMA Map). No Certified Vernal Pools under the jurisdiction of the Wetlands Protection Act Regulations (310 CMR 10.00 et seq.) or the Massachusetts Endangered Species Act (321 CMR 10.00 et seq.), nor Potential Vernal Pools, are mapped by NHESP in the Study Area.

According to the July 3, 2012 FEMA Flood Insurance Rate Map (FIRM) for Essex County, Massachusetts, Map Number 25009C0391F, no portion of the Study Area is located in an area classified as subject to the 1% annual chance flood (100-year flood). The entire Study Area is located in a Zone X Area of Minimal Flood Hazard, which is defined as areas determined to be outside the 0.2% annual chance (500-year) floodplain (See Figure 2 – NHESP/FEMA Map).. Therefore, Bordering Land Subject to Flooding is not present within the Study Area.

The Study Area is not located within an Area of Critical Environmental Concern (ACEC), Outstanding Resource Water (ORW), or MassDEP Wellhead Protection Zone, and the property lies just east of the Lynnfield Groundwater Protection District. The Study Area is located within a MassDEP Surface Water Protection Zone A and Zone C for Hawkes Pond and the Saugus River watershed (Lynn Water and Sewer Commission).

## **2.0 WETLAND RESOURCE AREAS**

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A Professional Wetland Scientist (PWS) from LE conducted a wetland site investigation at the project site and adjacent areas on March 18, 2021. The wetland investigation was performed in accordance with the Massachusetts Wetlands Protection Act (M.G.L. Ch. 131, § 40) and regulations (310 CMR 10.00 et seq.); Section 404 of the Clean Water Act (33 U.S.C. 1344); Massachusetts Department of Environmental Protection (MassDEP) publication “Delineating Bordering Vegetated Wetlands” under the Massachusetts Wetlands Protection Act (1995); the U.S. Army Corp of Engineers (USACE) Wetland Delineation Manual (1987); the Northcentral and Northeast Regional Supplement (2012); and the Lynnfield Wetlands Protection Bylaw and implementing regulations.

The following data sources were examined prior to the site investigation:

- Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map (FIRM);
- United States Geological Survey Topographic Quadrangle;
- MassGIS MassDEP Wetland and Hydrography Datalayers;
- National Wetland Inventory (NWI) Maps;
- MassGIS Natural Heritage Atlas Datalayers; and
- United States Department of Agriculture, Natural Resources Conservation Service (USDA-NRCS) Soil Survey.

The site inspection identified the following wetland resource areas on or in close proximity to the site:

- Inland Bank; and,
- Bordering Vegetated Wetland (BVW)

### **2.1 Resource Area Descriptions**

#### *Inland Bank – 310 CMR 10.54*

Inland Bank is present on the site along the small intermittent stream that flows east across the rear of the property. Within the Study Area, the entire length of the Bank is contained within the delineated BVW and therefore was not delineated in the field. No work is proposed within this resource area.

### *Bordering Vegetated Wetlands – 310 CMR 10.55*

BVW is present at the rear (northeastern portion) of the property along the intermittent stream. The BVW was delineated in the field with pink nylon flagging labeled WFA-1 through WFA-9 (see the Topographic Plan for details). This relatively small Palustrine wetland contains a mix of forested (PFO), scrub-shrub (PSS), and emergent (PEM) wetland areas. Vegetation within the wetland includes red maple (*Acer rubrum*), yellow birch (*Betula alleghaniensis*), common elderberry (*Sambucus nigra ssp. canadensis*), glossy buckthorn (*Frangula alnus*), speckled alder (*Alnus incana*), swamp azalea (*Rhododendron viscosum*), highbush blueberry (*Vaccinium corymbosum*), cinnamon fern (*Osmunda cinnamomea*), sensitive fern (*Onoclea sensibilis*), poison ivy (*Toxicodendron radicans*), and skunk cabbage (*Symplocarpus foetidus*). Vegetation observed within the upland includes white pine (*Pinus strobus*), white oak (*Quercus alba*), black cherry (*Prunus serotina*), yellow birch, multiflora rose (*Rosa multiflora*), bracken fern (*Pteridium aquilinum*), and poison ivy. Soil within the wetland generally consists of a mucky fine sandy loam surface horizon underlain by a B-horizon with a depleted matrix. Upland soil generally consists of a loamy B-horizon of chroma 3 or 4. No work is proposed within this resource area.

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## **3.0 PROPOSED WORK**

The project proposes construction of a pool and surrounding patio consisting of paver blocks (see attached Landscape Plan). The pool and patio are proposed to be located at the northeast corner of the house adjacent to the existing deck. A retaining wall is proposed along the north and east ends of the patio. Landscape plantings are proposed in the general areas around the patio. A new fence is proposed within the existing lawn to the rear of the house, and along the northern and southern property lines.

No work is proposed within any resource area. However, because the 100-Foot Buffer Zone extends to include the back of the house, all of the proposed work will be within the 100-Foot Buffer Zone to the BVW. At the closest point the proposed work (other than landscape plantings) will be approximately 21 feet from the BVW. See the Landscape Plan for details.

Prior to any soil disturbance, an erosion control barrier consisting of a filter sock/wattle (or other barrier approved by the Conservation Commission) will be installed at the limit of work upgradient of the delineated BVW boundary. Any disturbed soils will be stabilized by seeding/planting vegetation and the erosion control barrier will be maintained until all soils are stabilized. No grade changes are proposed beyond the edge of the proposed retaining wall.

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## **4.0 SUMMARY**

It is LE's opinion, based on our professional education, training, and familiarity with the project site, that the proposed work will not have any adverse effect on any interests identified in the Wetlands Protection Act. The proposed design achieves the goals of the Applicant, while being sensitive to adjacent regulated resource areas. Accordingly, the Applicant respectfully requests that the Conservation Commission consider a finding that the proposed design is adequately protective of the interests identified in the



**500A Washington Street, Quincy, MA 02169**

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Wetlands Protection Act, and issue an Order of Conditions approving the project as described in this Notice of Intent and as shown on the attached Plans.



500A Washington Street, Quincy, MA 02169

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Enclosed please find one (1) original and seven (7) copies of the NOI. The NOI application package includes the WPA Form 3, project narrative, figures, photographic documentation, abutter notification, filing fees, legal notice fee, MassDEP field data forms, Topographic Plan, and Landscape Plan. A link to an electronic copy of the pdf file of the NOI application and supporting documentation will be provided concurrently with this submittal. We respectfully request that you place this matter on your agenda for the June 15, 2021 Public Hearing.

If you have any questions, please do not hesitate to contact me at 617.405.4118 or [jho@lucasenvironmental.net](mailto:jho@lucasenvironmental.net). Thank you for your consideration in this matter.

Sincerely,  
LUCAS ENVIRONMENTAL, LLC

A handwritten signature in black ink, appearing to read 'Joseph H. Orzel', is written over a light blue horizontal line.

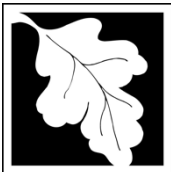
Joseph H. Orzel, PWS  
Project Manager/Wetland Scientist

Enclosures:

1. WPA Form 3
2. USGS Map
3. NHESP/FEMA Map
4. Photographic Documentation
5. Abutter Information
6. Filing Fees/Copy of Checks
7. Wetland Delineation Data Forms
8. Topographic Plan
9. Landscape Plan

cc: Brian and Kelly Regan (Owner & Applicant; electronically)  
MassDEP – NERO





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
Lynnfield
City/Town

## A. General Information (continued)

6. General Project Description:

The applicant proposes to install a pool with surrounding patio and landscape plantings at the rear of the existing house. The proposed work is within the 100-Foot Buffer Zone to a Bordering Vegetated Wetland located at the rear of the property. An erosion control barrier will be installed prior to any work and will remain in place until all soils are stabilized.

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

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

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

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

8. Property recorded at the Registry of Deeds for:

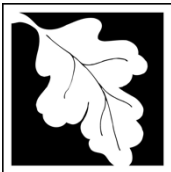
Essex South	
a. County	b. Certificate # (if registered land)
553	91946
c. Book	d. Page Number

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

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

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





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
Lynnfield
City/Town

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

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

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

Resource Area	Size of Proposed Alteration	Proposed Replacement (if any)
d. <input type="checkbox"/> Bordering Land Subject to Flooding	1. square feet	2. square feet
	3. cubic feet of flood storage lost	4. cubic feet replaced
e. <input type="checkbox"/> Isolated Land Subject to Flooding	1. square feet	
	2. cubic feet of flood storage lost	3. cubic feet replaced
f. <input type="checkbox"/> Riverfront Area	1. Name of Waterway (if available) - <b>specify coastal or inland</b>	

2. Width of Riverfront Area (check one):

- 25 ft. - Designated Densely Developed Areas only
- 100 ft. - New agricultural projects only
- 200 ft. - All other projects

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

4. Proposed alteration of the Riverfront Area:

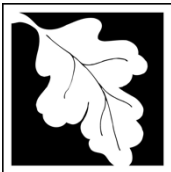
a. total square feet	b. square feet within 100 ft.	c. square feet between 100 ft. and 200 ft.
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5. Has an alternatives analysis been done and is it attached to this NOI?  Yes  No

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.



**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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MassDEP File Number

---

Document Transaction Number

---

Lynnfield

---

City/Town

**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



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
Lynnfield
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

- 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**

August 1, 2017  
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\*

- Percentage/acreage of property to be altered:
  - (a) within wetland Resource Area \_\_\_\_\_ percentage/acreage
  - (b) outside Resource Area \_\_\_\_\_ percentage/acreage

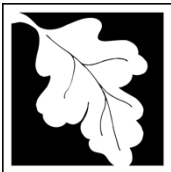
2.  Assessor's Map or right-of-way plan of site

- 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/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.



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	
Lynnfield	
City/Town	

## 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 the Cape & Islands:

North Shore - Hull to New Hampshire border:

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](mailto: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](mailto: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).



Massachusetts Department of Environmental Protection  
Bureau of Resource Protection - Wetlands

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

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

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

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



**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

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MassDEP File Number

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---

Lynnfield

---

City/Town

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

3.  Identify the method for BWV and other resource area boundary delineations (MassDEP BWV 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.

Topographic Plan, 30 Chatham Way, Lynnfield, Mass.

a. Plan Title

<u>Feldman Land Surveyors</u>	<u>Timothy R. Agurkis, PLS</u>
b. Prepared By	c. Signed and Stamped by
<u>May 18, 2021</u>	<u>1" = 30'</u>
d. Final Revision Date	e. Scale
<u>Landscape Plan by Ulrich Landscape Collaborative, Inc.</u>	
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:

<u>3564</u>	<u>May 21, 2021</u>
2. Municipal Check Number	3. Check date
<u>3563</u>	<u>May 21, 2021</u>
4. State Check Number	5. Check date
<u>Lucas Environmental, LLC</u>	
6. Payor name on check: First Name	7. Payor name on check: Last Name



Massachusetts Department of Environmental Protection  
Bureau of Resource Protection - Wetlands

Provided by MassDEP:

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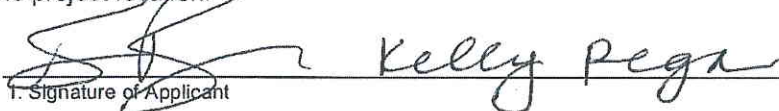
Lynnfield

City/Town

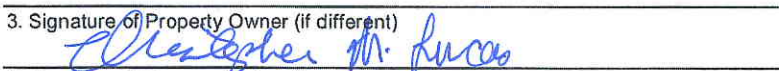
#### F. Signatures and Submittal Requirements

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

5/24/2021  
2. Date

3. Signature of Property Owner (if different)  


4. Date  
05/29/2021

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:

30 Chatham Way Lynnfield  
 a. Street Address b. City/Town  
3563 \$42.50  
 c. Check number d. Fee amount

2. Applicant Mailing Address:

Brian & Kelly Regan  
 a. First Name b. Last Name  
 \_\_\_\_\_  
 c. Organization  
30 Chatham Way  
 d. Mailing Address  
Lynnfield MA 01940  
 e. City/Town f. State g. Zip Code  
617.279.6121 bregan@rise.boston  
 h. Phone Number i. Fax Number j. Email Address

3. Property Owner (if different):

\_\_\_\_\_  
 a. First Name b. Last Name  
 \_\_\_\_\_  
 c. Organization  
 \_\_\_\_\_  
 d. Mailing Address  
 \_\_\_\_\_  
 e. City/Town f. State g. Zip Code  
 \_\_\_\_\_  
 h. Phone Number i. Fax Number j. Email Address

**B. Fees**

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

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

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

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

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

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

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

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





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

**B. Fees** (continued)

Step 1/Type of Activity	Step 2/Number of Activities	Step 3/Individual Activity Fee	Step 4/Subtotal Activity Fee
Category 1.a. - Work on a single family lot, including pool	1	\$110.00	\$110.00
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

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

**Step 6/Fee Payments:**

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

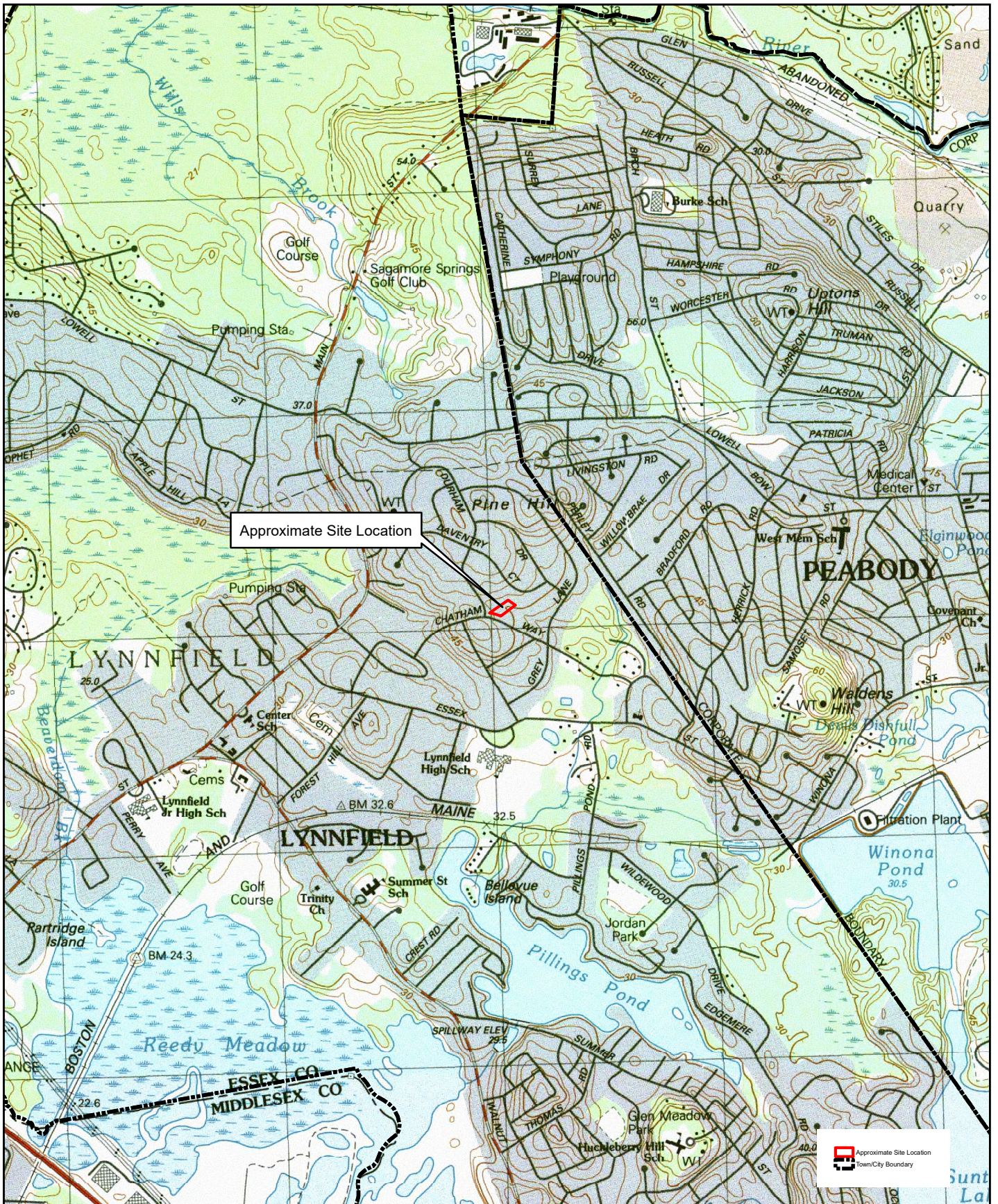
**C. Submittal Requirements**

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

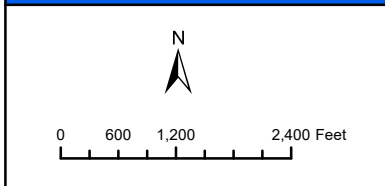
Department of Environmental Protection  
 Box 4062  
 Boston, MA 02211

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

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



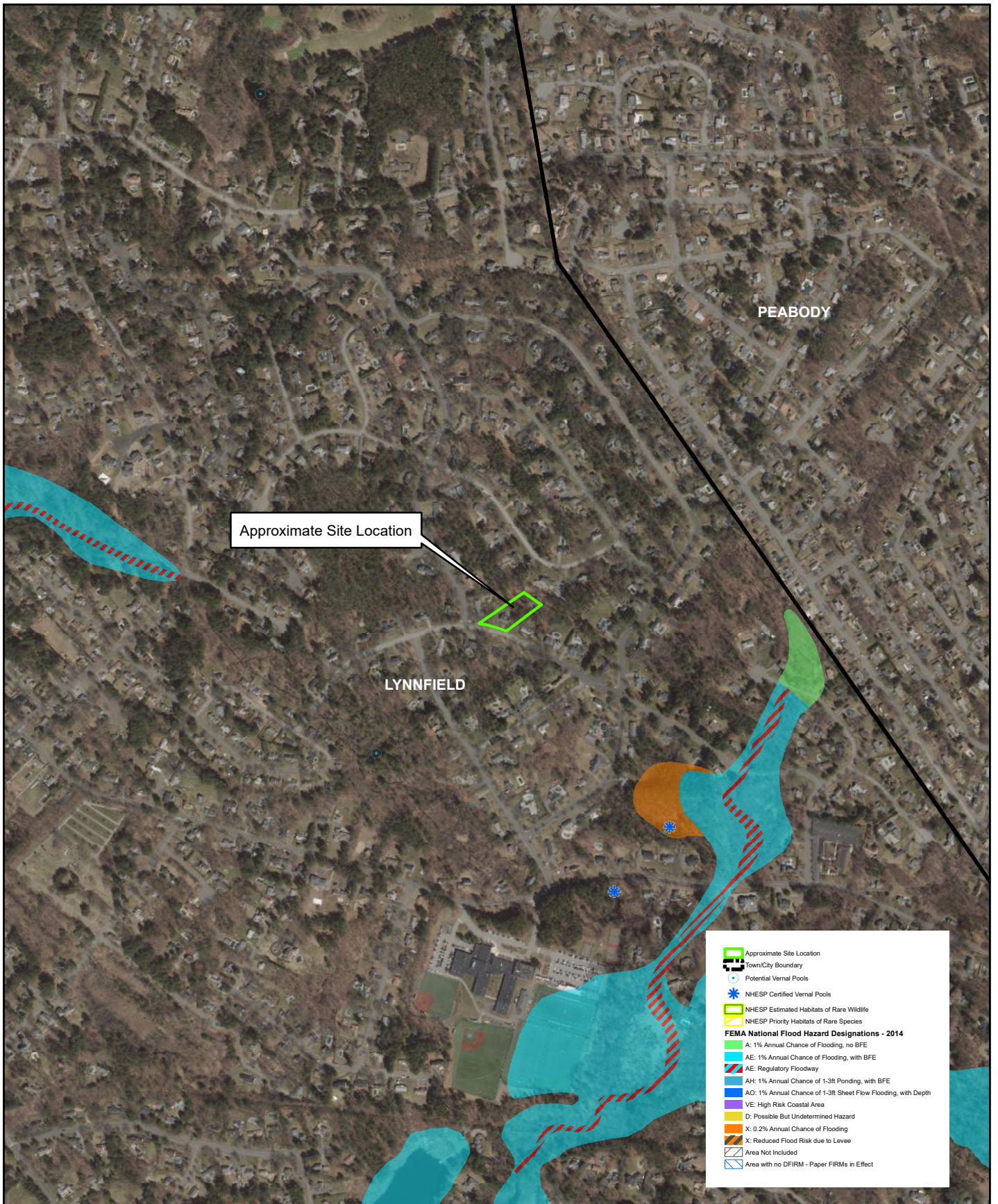
Source: Office of Geographic and Environmental Information (MassGIS), Commonwealth of Massachusetts Executive Office of Environmental Affairs; USGS Color Ortho Imagery - 15cm (2019)



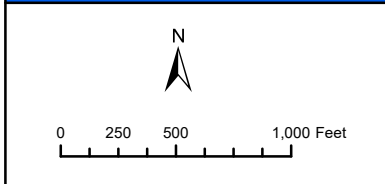
**USGS Map**  
**Notice of Intent**  
**30 Chatham Way**  
**Lynnfield, MA**

**FIGURE 1**

**LUCAS**  
 ENVIRONMENTAL, LLC



Source: Office of Geographic and Environmental Information (MassGIS), Commonwealth of Massachusetts Executive Office of Environmental Affairs; USGS Color Ortho Imagery - 15cm (2019)



**NHESP-FEMA Map**  
**Notice of Intent**  
**30 Chatham Way**  
**Lynnfield, MA**

**FIGURE 2**

**LUCAS**  
 ENVIRONMENTAL, LLC

## PHOTOGRAPHIC DOCUMENTATION

DATE: March 18, 2021



Photograph 1: View toward the existing deck and northeast corner of the house where the pool and patio are proposed adjacent to the deck and house.



Photograph 2: View toward the existing deck where landscape plantings are proposed adjacent to the deck and patio.

## PHOTOGRAPHIC DOCUMENTATION

DATE: March 18, 2021



Photograph 3: Small intermittent stream flowing generally east through the rear of the property and BVW.



Photograph 4: View generally west along BVW edge from vicinity of wetland flag WFA-8.

## PHOTOGRAPHIC DOCUMENTATION

DATE: March 18, 2021



Photograph 5: View generally east along BVW edge from vicinity of wetland flag WFA-8.



Photograph 6: View generally east along BVW edge from vicinity of wetland flag WFA-6.

# Notice to Abutters

## Massachusetts Wetlands Protection Act

### Notice of Intent (NOI) and/or Abbreviated Notice of Resource Area Delineation (ANRAD) Filings

As required by M.G.L. c 131, s. 40 (“The Massachusetts Wetlands Protection Act”), an **APPLICANT** shall provide notification to all abutters and any property owner within 100 feet of the property line of the land where the activity is proposed, including if separated from that land by a public or private street.

The following applicant has filed a Notice of Intent with the Lynnfield Conservation Commission. A public hearing will be held as stated below.

Brian & Kelly Regan  
NAME OF APPLICANT

30 Chatham Way, Lynnfield, MA  
ADDRESS OF APPLICANT

30 Chatham Way, Lynnfield, MA  
PROJECT ADDRESS

ASSESSOR’S MAP# 21 PARCEL# 2429

PROJECT DESCRIPTION: The applicant proposes to install a pool with surrounding patio and landscape plantings at the rear of the existing house. The proposed work is within the 100-Foot Buffer Zone to a Bordering Vegetated Wetland located at the rear of the property. An erosion control barrier will be installed prior to any work and will remain until soils are stabilized.

June 15, 2021 at 6:30 PM

DATE AND TIME OF PUBLIC HEARING, AT TOWN HALL. (Subject to change. Please check website for updated information.)

(NOTE: meetings are currently being held remotely via ZOOM, check website for details)

The public hearing is advertised in *The Lynnfield Villager*.

Copies of the Notice of Intent & plans may be examined in the Conservation Commission Office on the lower level at Town Hall on Mondays-Thursdays from 9:00 A.M. – 4:00 P.M, however, an appointment made in advance is encouraged. Please call Emilie Cademartori, Director of Planning & Conservation at (781) 334-9495 to make an appointment, or for any other questions.

NOTE: To preserve your appeal rights you must submit comments/concerns in writing.

MAY 11 2021

LYNNFIELD BOARD OF ASSESSORS

# LYNNFIELD ASSESSORS OFFICE

Lynnfield, MA 01940  
334-9450  
lynnfield.ma.us

## AD ABUTTERS LIST

**\*\*CERTIFIED LIST WILL BE PROVIDED WITHIN TEN WORKING DAYS\*\***

**RECEIPT COPY** No. 487771

DATE: 5/14/21

FROM: Lucas Environment \$ 5.00 DOLLARS

Abutters List - 30 Chatham Way

FOR RENT  
 FOR \_\_\_\_\_

ACCT. PAID DUE

CASH  
 CHECK  
 MONEY ORDER  
 CREDIT CARD

FROM \_\_\_\_\_ TO \_\_\_\_\_  
BY: D. Peary ck# 3551

A-1152  
T-4161

PROPERTY LOCATION: 30 Chatham Way

ASSESSORS MAP#: 0021 LOT #: 2429

REASON FOR ABUTTERS LIST: Notice of Intent Filing with the Conservation Commission

*FEE: \$5.00 for first five pages, \$1.00 after each consecutive page.*

**CONSERVATION COMMISSION**  
Within 100 ft.

**PLANNING BOARD**  
Within 300 ft.

**BOARD OF APPEALS**  
Within 300 ft.

**BOARD OF HEALTH**  
Immediate abutter and directly across the street

**LIQUOR LICENSE**  
Direct Abutters & Any School, Church or Hospital within 500 ft.

Requested By: Joseph Orzel, Lucas Environmental, LLC Date: 05/11/2021

Phone Number: 617.405.4118 (603.921.2438 cell) email: jho@lucasenvironmental.net

-----Assessors Use Only-----

CERTIFIED BY: D. Peary DATE: 5/14/21

DATE PAID: 5/14/21 CASH \$/Amt: \_\_\_\_\_ CHECK #/Amt: 3551 / \$5.00

DELIVERY METHOD:  EMAIL  US MAIL  PICK UP  
5/14 5/14





# 100 foot Abutters List Report

Lynnfield, MA  
May 11, 2021

## Subject Property:

Parcel Number: 0021-0000-2429  
CAMA Number: 0021-0000-2429  
Property Address: 30 CHATHAM WAY

Mailing Address: REGAN BRIAN, T/E REGAN KELLY, T/E  
30 CHATHAM WAY  
LYNNFIELD, MA 01940

## Abutters:

Parcel Number: 0021-0000-1759  
CAMA Number: 0021-0000-1759  
Property Address: 8 DAVENTRY CT

Mailing Address: WALKER GARY D  
8 DAVENTRY CT  
LYNNFIELD, MA 01940

Parcel Number: 0021-0000-1877  
CAMA Number: 0021-0000-1877  
Property Address: 6 DAVENTRY CT

Mailing Address: CONWAY ROBERT V, T/E CONWAY  
CHRISTINE M, T/E  
6 DAVENTRY CT  
LYNNFIELD, MA 01940

Parcel Number: 0021-0000-2413  
CAMA Number: 0021-0000-2413  
Property Address: 1 DURHAM DR

Mailing Address: CALICHMAN PETER A, T/E CALICHMAN  
AMY J, T/E  
1 DURHAM RD  
LYNNFIELD, MA 01940

Parcel Number: 0021-0000-2463  
CAMA Number: 0021-0000-2463  
Property Address: 28 CHATHAM WAY

Mailing Address: GILBERTSON MATTHEW T, T/E  
GILBERTSON DEBORAH M, T/E  
28 CHATHAM WAY  
LYNNFIELD, MA 01940

Parcel Number: 0021-0000-2475  
CAMA Number: 0021-0000-2475  
Property Address: 29 CHATHAM WAY

Mailing Address: LORTZ BRIAN, T/E LORTZ CARLA, T/E  
29 CHATHAM WAY  
LYNNFIELD, MA 01940

Parcel Number: 0021-0000-2484  
CAMA Number: 0021-0000-2484  
Property Address: 27 CHATHAM WAY

Mailing Address: BRACH MATTHEW, T/E BRACH  
DOROTHY, T/E  
27 CHATHAM WAY  
LYNNFIELD, MA 01940

Parcel Number: 0021-0000-2489  
CAMA Number: 0021-0000-2489  
Property Address: 25 CHATHAM WAY

Mailing Address: BROWNSTEIN ROSALIE BROWNSTEIN  
CARLTON S  
25 CHATHAM WAY  
LYNNFIELD, MA 01940



www.cai-tech.com

Data shown on this report 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 report.



# 30 Chatham Way-100 ft.

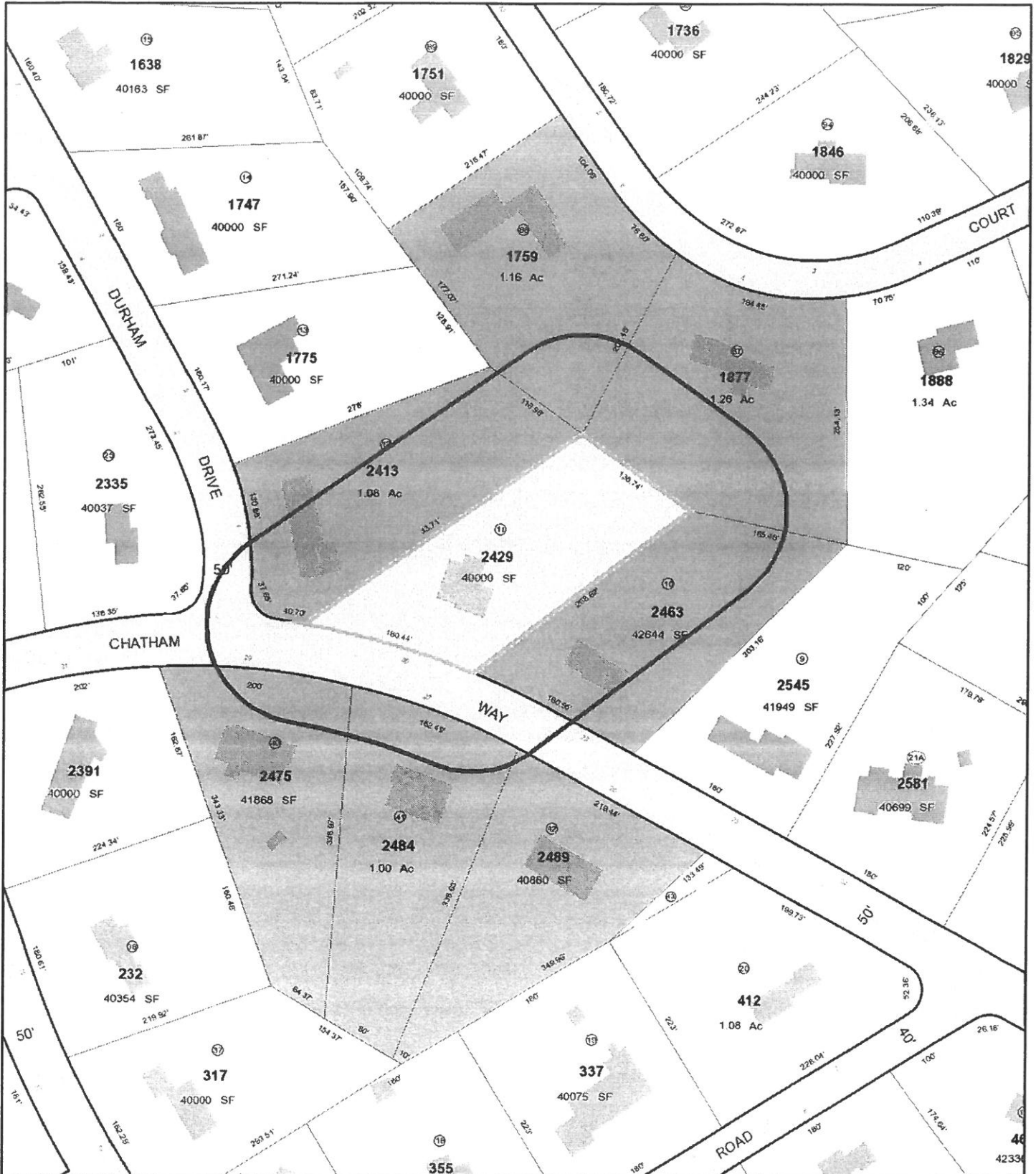
Lynnfield, MA



May 11, 2021

1 inch = 138 Feet

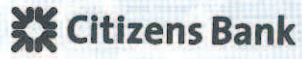
www.cai-tech.com



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.



**LUCAS ENVIRONMENTAL, LLC**  
500A WASHINGTON STREET  
QUINCY, MA 02169



5-7017/2110

5/21/2021

PAY TO THE ORDER OF

Commonwealth of Massachusetts

\$ \*\*42.50

Forty-Two and 50/100\*\*\*\*\*

DOLLARS

Department of Environmental Protection  
Box 4062  
Boston, MA 02211

MEMO

30 Chatham Way, Lynnfield, MA



*Christopher M. Lucas*

AUTHORIZED SIGNATURE



THIS DOCUMENT CONTAINS HEAT SENSITIVE INK. TOUCH OR PRESS HERE - RED IMAGE DISAPPEARS WITH HEAT.

LUCAS ENVIRONMENTAL, LLC

Commonwealth of Massachusetts

30 Chatham Way, Lynnfield, MA

5/21/2021

3563

42.50

Citizens Checking

30 Chatham Way, Lynnfield, MA

42.50



**LUCAS ENVIRONMENTAL, LLC**  
500A WASHINGTON STREET  
QUINCY, MA 02169



5-7017/2110

5/21/2021

PAY TO THE ORDER OF Lynnfield Town Hall

\$ **\*\*67.50**

Sixty-Seven and 50/100\*\*\*\*\*  
DOLLARS

Lynnfield Town Hall  
55 Summer Street  
Lynnfield, MA 01940

MEMO

30 Chatham Way, Lynnfield, MA



*Orlando M. Lucas*

AUTHORIZED SIGNATURE



THIS DOCUMENT CONTAINS HEAT SENSITIVE INK. TOUCH OR PRESS HERE - RED IMAGE DISAPPEARS WITH HEAT.

LUCAS ENVIRONMENTAL, LLC  
Lynnfield Town Hall

30 Chatham Way, Lynnfield, MA

5/21/2021

3564

67.50

Citizens Checking      30 Chatham Way, Lynnfield, MA

67.50



LUCAS ENVIRONMENTAL, LLC  
500A WASHINGTON STREET  
QUINCY, MA 02169

Citizens Bank

5-7017/2110

5/21/2021

PAY TO THE ORDER OF The Lynnfield Manager

\$ \*\*50.00

Fifty and 00/100\*\*\*\*\* DOLLARS

The Lynnfield Manager

MEMO 30 Chatham Way, Lynnfield, MA



*Christopher M. Kelley*

AUTHORIZED SIGNATURE



THIS DOCUMENT CONTAINS HEAT SENSITIVE INK. TOUCH OR PRESS HERE - RED IMAGE DISAPPEARS WITH HEAT.

LUCAS ENVIRONMENTAL, LLC  
The Lynnfield Manager

30 Chatham Way, Lynnfield, MA

5/21/2021

3565

50.00

Citizens Checking 30 Chatham Way, Lynnfield, MA

50.00



## WETLAND DELINEATION FIELD DATA FORM

Observation Plot Number: WFA-4

Transect Number: WET-1

Applicant: Brian & Kelly Regan Prepared by: Lucas Environmental, LLC Project Location: 30 Chatham Way, Lynnfield, MA

- Vegetation alone presumed adequate to delineate BVW boundary: fill out Section I only
- Vegetation and other indicators of hydrology used to delineate BVW boundary: fill out Sections I and II
- Method other than dominance test used (attach additional information)

### SECTION I. VEGETATION

Date of Delineation: March 18, 2021

A. Sample Layer and Plant Species (by common/scientific name)	B. Percent Cover (or basal area)	C. Percent Dominance	D. Dominant Plant (yes or no)	E. Wetland Indicator Category*
<b><u>Tree</u></b>				
Red maple ( <i>Acer rubrum</i> )	38.0	64.4%	YES	FAC*
White pine ( <i>Pinus strobus</i> )	10.5	17.8%	NO	FACU
White oak ( <i>Quercus alba</i> )	10.5	17.8%	NO	FACU
<b><u>Saplings</u></b>				
Red maple ( <i>Acer rubrum</i> )	3.0	50.0%	YES	FAC*
White pine ( <i>Pinus strobus</i> )	3.0	50.0%	YES	FACU
<b><u>Shrubs</u></b>				
Swamp azalea ( <i>Rhododendron viscosum</i> )	20.5	46.1%	YES	FACW*
Elderberry ( <i>Sambucus nigra ssp. canadensis</i> )	10.5	23.6%	YES	FACW*
Speckled alder ( <i>Alnus incana</i> )	10.5	23.6%	YES	FACW*
Glossy buckthorn ( <i>Frangula alnus</i> )	3.0	6.7%	NO	FAC*
Multiflora rose ( <i>Rosa multiflora</i> )	T	NA	NO	FACU
<b><u>Herbaceous</u></b>				
Cinnamon fern ( <i>Osmunda cinnamomea</i> )	20.5	50.0%	YES	FACW*
Bracken fern ( <i>Pteridium aquilinum</i> )	20.5	50.0%	YES	FACU
None others apparent due to season				
<b><u>Vines</u></b>				
None				

\* Use an asterisk to mark indicator plants: plant species listed in the wetlands Protection Act (MGL c.131, s.40); plants in the genus *Sphagnum*; plants listed as FAC, FAC+, FACW-, FACW, FACW+, or OBL; or plants with physiological or morphological adaptations. If any plants are identified as wetland indicator plants due to physiological or morphological adaptations, describe the adaptation next to the asterisk.

**Vegetation conclusion:**

**Number of dominant wetland indicator plants: 6**                      **Number of dominant non-wetland indicator plants: 2**

**Is the number of dominant wetland plants equal to or greater than the number of dominant non-wetland plants: YES  NO**



## WETLAND DELINEATION FIELD DATA FORM

Observation Plot Number: WFA-4

Transect Number: WET-1

### SECTION II. INDICATORS OF HYDROLOGY

#### Hydric Soil Interpretation

##### 1. Soil Survey

Is there a published soil survey for this site?    YES     NO

Title/Date: **Custom Soil Resource Report for Essex County, Massachusetts, Southern Part. (GIS Data from the Soil Survey Geographic - SSURGO data base produced by the USDA, NRCS) Accessed online May 20, 2021**

Map Number/Soil Type Mapped:

**306B – Paxton fine sandy loam, 0 to 8 percent slopes, very stony**

**311B – Woodbridge fine sandy loam, 0 to 8 percent slopes, very stony**

Hydric Soil Inclusions: **YES**

**Ridgebury, very stony**

Are field observations consistent with soil survey?    YES     NO

Remarks:

##### 2. Soil Description

Horizon	Depth	Matrix Color	Mottles Color
<b>A (mucky fine sandy loam)</b>	<b>0-6"</b>	<b>10YR 2/1</b>	
<b>B<sub>1</sub> (sandy loam &amp; gravel)</b>	<b>6-14"</b>	<b>2.5Y 5/2</b>	<b>10YR 4/4 (2%) 2.5Y 6/1 (5%)</b>
<b>B<sub>2</sub> (loamy sand)</b>	<b>14-18"</b>	<b>2.5Y 5/2</b>	<b>10YR 4/5 (10%) 2.5Y 6/1 (10%)</b>
<b>R</b>			

Remarks: **Refusal at 18 inches.**

##### 3. Other:

Conclusion: Is soil hydric?                    YES                     NO

#### Other Indicators of Hydrology:

- Site inundated: \_\_\_\_\_
- Depth to free water in observation hole: 11"
- Depth to soil saturation in observation hole: 0" (rain and recent snow melt)
- Water marks: \_\_\_\_\_
- Drift lines: \_\_\_\_\_
- Sediment deposits: \_\_\_\_\_
- Drainage patterns in BVW: \_\_\_\_\_
- Oxidized rhizospheres: \_\_\_\_\_
- Water-stained leaves: \_\_\_\_\_
- Recorded data (stream, lake, or tidal gauge; aerial photo; other): \_\_\_\_\_
- Other: \_\_\_\_\_

Vegetation and Hydrology Conclusion	YES	NO
Number of wetland indicator plants greater than or equal to number of non-wetland indicator plants	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Hydric soils present	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Other indicators of hydrology present	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>Sample location is in BVW</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>



## WETLAND DELINEATION FIELD DATA FORM

Observation Plot Number: WFA-4

Transect Number: UPL-1

Applicant: Brian & Kelly Regan Prepared by: Lucas Environmental, LLC Project Location: 30 Chatham Way, Lynnfield, MA

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- Method other than dominance test used (attach additional information)

### SECTION I. VEGETATION

Date of Delineation: March 18, 2021

A. Sample Layer and Plant Species (by common/scientific name)	B. Percent Cover (or basal area)	C. Percent Dominance	D. Dominant Plant (yes or no)	E. Wetland Indicator Category*
<b><u>Tree</u></b>				
White pine ( <i>Pinus strobus</i> )	20.5	100%	YES	FACU
<b><u>Saplings</u></b>				
None				
<b><u>Shrubs</u></b>				
Multiflora rose ( <i>Rosa multiflora</i> )	20.5	46.1%	YES	FACU
Highbush blueberry ( <i>Vaccinium corymbosum</i> )	10.5	23.6%	YES	FACW*
Black cherry ( <i>Prunus serotina</i> )	10.5	23.6%	YES	FACU
Yellow birch ( <i>Betula alleghaniensis</i> )	3.0	6.7%	NO	FAC*
<b><u>Herbaceous</u></b>				
Bracken fern ( <i>Pteridium aquilinum</i> )	T	NA	NO	FACU
Oriental bittersweet ( <i>Celastrus orbiculatus</i> )	T	NA	NO	UPL
None others apparent due to season				
<b><u>Vines</u></b>				
Poison ivy ( <i>Toxicodendron radicans</i> )	T	NA	NO	FAC*

\* Use an asterisk to mark indicator plants: plant species listed in the wetlands Protection Act (MGL c.131, s.40); plants in the genus *Sphagnum*; plants listed as FAC, FAC+, FACW-, FACW, FACW+, or OBL; or plants with physiological or morphological adaptations. If any plants are identified as wetland indicator plants due to physiological or morphological adaptations, describe the adaptation next to the asterisk.

**Vegetation conclusion:**

Number of dominant wetland indicator plants: **1**                      Number of dominant non-wetland indicator plants: **3**

Is the number of dominant wetland plants equal to or greater than the number of dominant non-wetland plants:    YES                       NO





## WETLAND DELINEATION FIELD DATA FORM

Observation Plot Number: WFA-4

Transect Number: UPL-1

### SECTION II. INDICATORS OF HYDROLOGY

#### Hydric Soil Interpretation

##### 1. Soil Survey

Is there a published soil survey for this site?    YES     NO

Title/Date: **Custom Soil Resource Report for Essex County, Massachusetts, Southern Part. (GIS Data from the Soil Survey Geographic - SSURGO data base produced by the USDA, NRCS) Accessed online May 20, 2021**

Map Number/Soil Type Mapped:

**306B – Paxton fine sandy loam, 0 to 8 percent slopes, very stony**

**311B – Woodbridge fine sandy loam, 0 to 8 percent slopes, very stony**

Hydric Soil Inclusions: **YES**

**Ridgebury, very stony**

Are field observations consistent with soil survey?    YES     NO

Remarks:

##### 2. Soil Description

Horizon	Depth	Matrix Color	Mottles Color
<b>Oe</b>	<b>1-0"</b>		
<b>A (loam)</b>	<b>0-3"</b>	<b>10YR 2/1</b>	
<b>B<sub>1</sub> (loam)</b>	<b>3-7"</b>	<b>10YR 3/3</b>	
<b>B<sub>2</sub> (loam)</b>	<b>7-14"</b>	<b>10YR 4/4</b>	
<b>C (fine sandy loam)</b>	<b>14-21"+</b>	<b>10YR 5/3</b>	<b>10YR 5/6 (20%)</b>

Remarks:

##### 3. Other:

Conclusion: Is soil hydric?                    YES                     NO

#### Other Indicators of Hydrology:

- Site inundated: \_\_\_\_\_
- Depth to free water in observation hole: 19"
- Depth to soil saturation in observation hole: 6" (likely due to rain and recent snow melt)
- Water marks: \_\_\_\_\_
- Drift lines: \_\_\_\_\_
- Sediment deposits: \_\_\_\_\_
- Drainage patterns in BVW: \_\_\_\_\_
- Oxidized rhizospheres: \_\_\_\_\_
- Water-stained leaves: \_\_\_\_\_
- Recorded data (stream, lake, or tidal gauge; aerial photo; other): \_\_\_\_\_
- Other: \_\_\_\_\_

Vegetation and Hydrology Conclusion	YES	NO
Number of wetland indicator plants greater than or equal to number of non-wetland indicator plants	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Hydric soils present	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Other indicators of hydrology present	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>Sample location is in BVW</b>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**NOTES:**

1) BENCH MARK INFORMATION:

BENCH MARK USED:

TBM-STEP: CENTER BOTTOM TREAD OF STEP. AS SHOWN HEREON. ELEVATION=100.00

TEMPORARY BENCH MARKS SET:

TBM-CL1: MAG NAIL IN UTILITY POLE IN FRONT OF #30 CHATHAM WAY. AS SHOWN HEREON. ELEVATION=101.28

TBM-CL2: BONNET BOLT OVER THE MAIN OUTLET OF A HYDRANT. AS SHOWN HEREON. ELEVATION=108.35

2) ELEVATIONS REFER TO AN ASSUMED DATUM.

3) CONTOUR INTERVAL EQUALS ONE (1) FOOT.

4) APPROXIMATE LOCATION OF LEACHING TRENCH BASED ON AVAILABLE RECORDS AT TIME OF SURVEY.

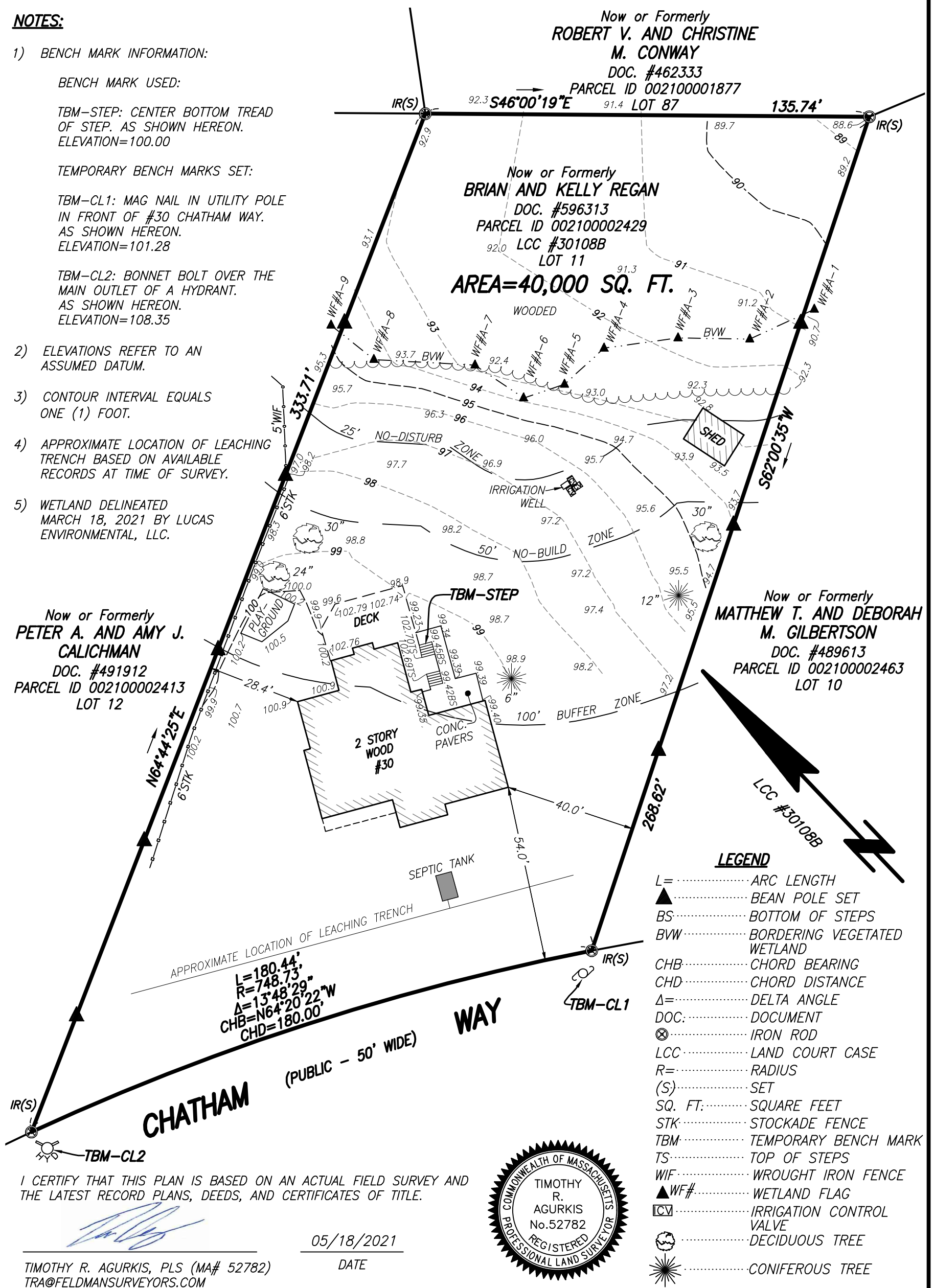
5) WETLAND DELINEATED MARCH 18, 2021 BY LUCAS ENVIRONMENTAL, LLC.

Now or Formerly  
**ROBERT V. AND CHRISTINE M. CONWAY**  
DOC. #462333  
PARCEL ID 002100001877  
91.4 LOT 87

Now or Formerly  
**BRIAN AND KELLY REGAN**  
DOC. #596313  
PARCEL ID 002100002429  
LCC #30108B  
LOT 11  
**AREA=40,000 SQ. FT.**

Now or Formerly  
**MATTHEW T. AND DEBORAH M. GILBERTSON**  
DOC. #489613  
PARCEL ID 002100002463  
LOT 10

Now or Formerly  
**PETER A. AND AMY J. CALICHMAN**  
DOC. #491912  
PARCEL ID 002100002413  
LOT 12



**LEGEND**

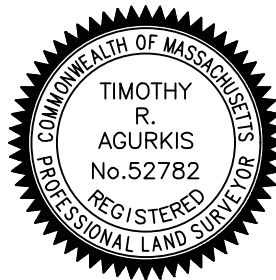
- L=..... ARC LENGTH
- ▲..... BEAN POLE SET
- BS..... BOTTOM OF STEPS
- BVW..... BORDERING VEGETATED WETLAND
- CHB..... CHORD BEARING
- CHD..... CHORD DISTANCE
- Δ=..... DELTA ANGLE
- DOC:..... DOCUMENT
- ⊗..... IRON ROD
- LCC..... LAND COURT CASE
- R=..... RADIUS
- (S)..... SET
- SQ. FT:..... SQUARE FEET
- STK..... STOCKADE FENCE
- TBM..... TEMPORARY BENCH MARK
- TS..... TOP OF STEPS
- WIF..... WROUGHT IRON FENCE
- ▲WF#..... WETLAND FLAG
- CV..... IRRIGATION CONTROL VALVE
- ☁..... DECIDUOUS TREE
- ☀..... CONIFEROUS TREE

I CERTIFY THAT THIS PLAN IS BASED ON AN ACTUAL FIELD SURVEY AND THE LATEST RECORD PLANS, DEEDS, AND CERTIFICATES OF TITLE.

*[Signature]*

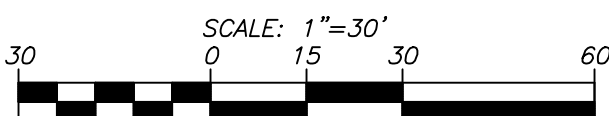
TIMOTHY R. AGURKIS, PLS (MA# 52782)  
TRA@FELDMANSURVEYORS.COM

05/18/2021  
DATE



**TOPOGRAPHIC PLAN  
30 CHATHAM WAY  
LYNNFIELD, MASS.**

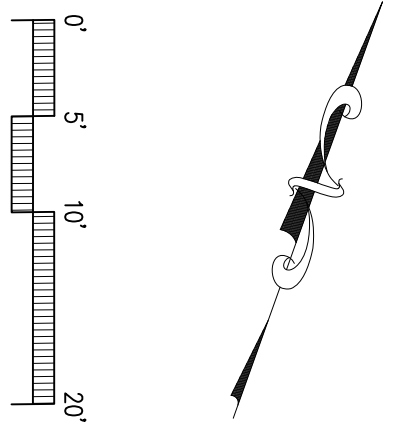
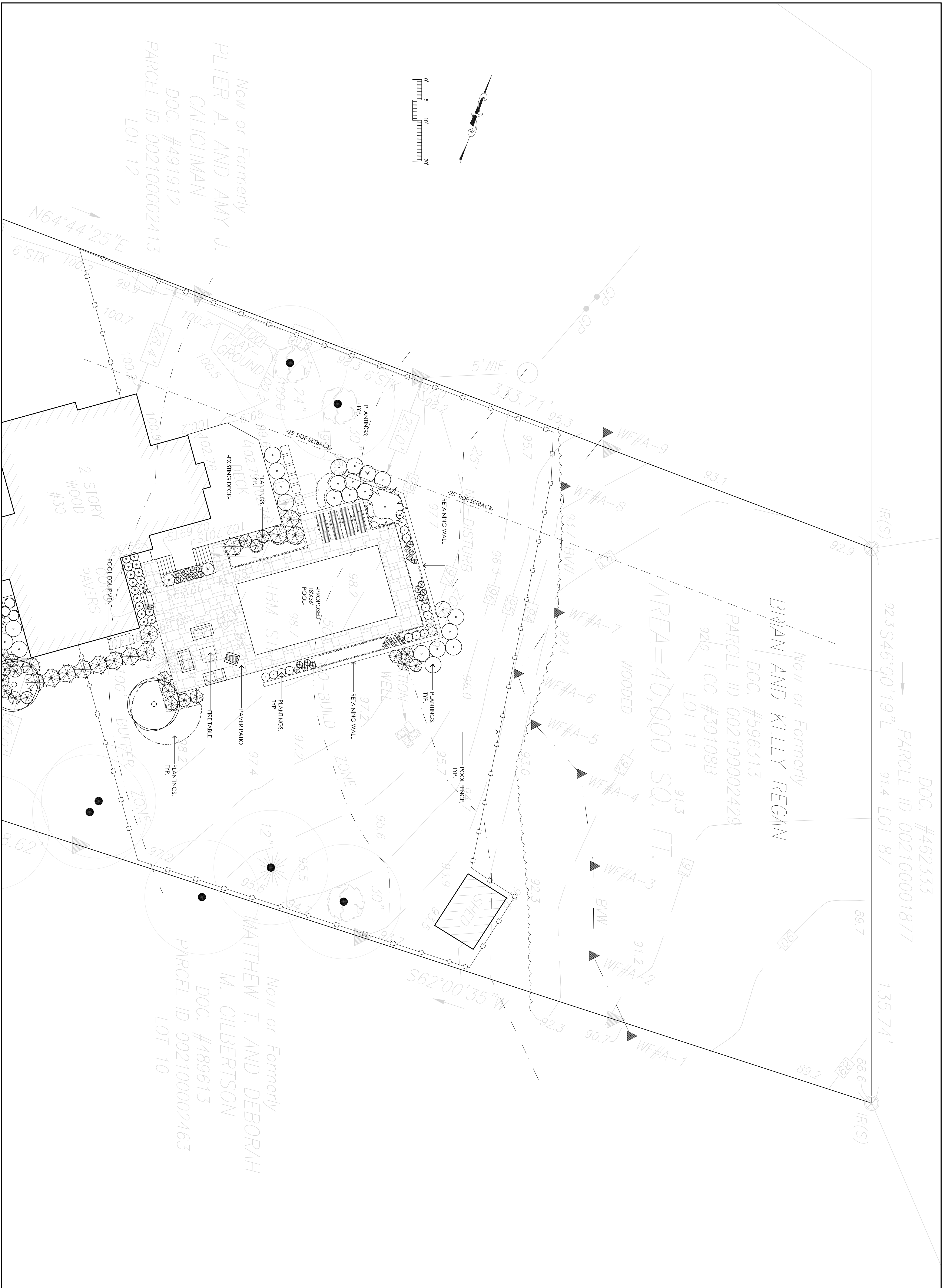
FELDMAN LAND SURVEYORS  
152 HAMPDEN STREET  
BOSTON, MASS. 02119



MARCH 24, 2021  
PHONE: (617)357-9740  
www.feldmansurveyors.com



RESEARCH	FIELD CHIEF AB	PROJ MGR TRA	APPROVED	SHEET NO. 1 OF 1
CALC MAM	CADD CEM	FIELD CHECKED	CRD FILE 17261	JOB NO. 17261
FILENAME: \\HRF0319FS\Feldman\PROJECTS\17200s\17261\DWG\SUBMITTED\17261-TOPO-SUBMIT-05-18-2021.dwg				



# REGAN RESIDENCE

Lynnfield, Massachusetts

BRIAN AND KELLY REGAN  
30 CHATHAM LANE



156 Cabot Street, Unit 2A  
Beverly, MA 01915  
www.ulrichlandscape.com

LANDSCAPE PLAN