

**NOTICE OF PUBLIC HEARING  
SUDBURY CONSERVATION COMMISSION  
Monday, October 2, 2023 at 7:00 PM  
Virtual Meeting**

The Sudbury Conservation Commission will hold a public hearing to review the Notice of Intent filing to remove trees and install mitigation plantings within the 100-foot Buffer Zone and Adjacent Upland Resource Area, pursuant to the Wetlands Protection Act and Sudbury Wetlands Administration Bylaw, at 38 Robert Frost Road, Sudbury, MA. Anthony Moro, Applicant. The hearing will be held on Monday, October 2, 2023 at 7:00 pm, via remote participation.

Please see the Conservation Commission web page for further information.

<https://sudbury.ma.us/conservationcommission/meeting/conservation-commission-meeting-monday-october-2-2023/>

SUDBURY CONSERVATION COMMISSION  
9/12/2023



Massachusetts Department of Environmental Protection

# eDEP Transaction Copy

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Username: **PHCINC**

Transaction ID: **1596257**

Document: **WPA Form 3 - NOI**

Size of File: **272.45K**

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**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 #:  
eDEP Transaction #:1596257  
City/Town:SUDBURY

**A.General Information**

**1. Project Location:**

a. Street Address	38 ROBERT FROST ROAD		
b. City/Town	SUDBURY	c. Zip Code	01776
d. Latitude	42.34836N	e. Longitude	71.41952W
f. Map/Plat #	M08	g.Parcel/Lot #	0185

**2. Applicant:**

Individual    Organization

a. First Name	ANTHONY	b.Last Name	MORO
c. Organization			
d. Mailing Address	38 ROBERT FROST ROAD		
e. City/Town	SUDBURY	f. State	MA
g. Zip Code	01776		
h. Phone Number	978-618-0011	i. Fax	
j. Email	ajmoro90@gmail.com		

**3.Property Owner:**

more than one owner

a. First Name	ANTHONY	b. Last Name	MORO
c. Organization			
d. Mailing Address	38 ROBERT FROST ROAD		
e. City/Town	SUDBURY	f.State	MA
g. Zip Code	01776		
h. Phone Number	978-618-0011	i. Fax	
j.Email	ajmoro90@gmail.com		

**4.Representative:**

a. First Name	DANIEL	b. Last Name	CATHCART
c. Organization	PLANT HEALTHCARE CONSULTANTS, INC.		
d. Mailing Address	134 ALLEN STREET		
e. City/Town	BRAINTREE	f. State	MA
g. Zip Code	02184		
h.Phone Number	617-237-7695	i.Fax	
j.Email	dan.cathcart@gmail.com		

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

a.Total Fee Paid	110.00	b.State Fee Paid	42.50	c.City/Town Fee Paid	67.50
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**6.General Project Description:**

TREE REMOVAL PROJECT TO REDUCE RISK TO PEOPLE AND PROPERTY.

**7a.Project Type:**

- |   |  |
|---|--|
| 1. <input checked="" type="checkbox"/> Single Family Home     | 2. <input type="checkbox"/> Residential Subdivision                  |
| 3. <input type="checkbox"/> Limited Project Driveway Crossing | 4. <input type="checkbox"/> Commercial/Industrial                    |
| 5. <input type="checkbox"/> Dock/Pier                         | 6. <input type="checkbox"/> Utilities                                |
| 7. <input type="checkbox"/> Coastal Engineering Structure     | 8. <input type="checkbox"/> Agriculture (eg., cranberries, forestry) |
| 9. <input type="checkbox"/> Transportation                    | 10. <input type="checkbox"/> Other                                   |

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



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1.  Yes  No      If yes, describe which limited project applies to this project:  
2. Limited Project

8. Property recorded at the Registry of Deeds for:

<b>a. County:</b>	<b>b. Certificate:</b>	<b>c. Book:</b>	<b>d. Page:</b>
SOUTHERN MIDDLESEX	31810	79757	362

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

1. Buffer Zone & Resource Area Impacts (temporary & permanent):

This is a Buffer Zone only project - 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)

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	
--	------------------------	--

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 any)	
---	------------------------------	--

2. Width of Riverfront Area (check one)
- 25 ft. - Designated Densely Developed Areas only
  - 100 ft. - New agricultural projects only
  - 200 ft. - All other projects

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

4. Proposed Alteration of the Riverfront Area:

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

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





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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)**

Resource Area	Size of Proposed Alteration	Proposed Replacement (if any)
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 Beaches	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
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, crea.
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**

Restoration/Replacement

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 entered the additional amount here.

a. square feet of BVW b. square feet of Salt Marsh

**5.Projects Involves Stream Crossings**

Project Involves Streams Crossings

If the project involves Stream Crossings, please enter the number of new stream crossings/number of replacement stream crossings.



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a. number of new stream crossings

b. number of replacement stream crossings

**C. Other Applicable Standards and Requirements**

**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 of Endangered Species program (NHESP)?

a.  Yes  No

If yes, include proof of mailing or hand delivery of NOI to:  
Natural Heritage and Endangered Species  
Program  
Division of Fisheries and Wildlife  
1 Rabbit Hill Road  
Westborough, MA 01581

b. Date of map:8/1/2021

If yes, the project is also subject to Massachusetts Endangered Species Act (MESA) review (321 CMR 10.18)...

c. Submit Supplemental Information for Endangered Species Review \* (Check boxes as they apply)

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

3.  Project plans for entire project site, including wetland resource areas and areas outside of wetland 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

c.  MESA filing fee (fee information available at: <http://www.mass.gov/eea/agencies/dfg/dfw/natural-heritage/regulatory-review/mass-endangered-species-act-mesa/mesa-fee-schedule.html>)

Make check payable to "Natural Heritage & Endangered Species Fund" 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

d. OR Check One of the following

1.  Project is exempt from MESA review. Attach applicant letter indicating which MESA exemption applies. (See 321 CMR 10.14, <http://www.mass.gov/eea/agencies/dfg/dfw/laws-regulations/cmr/321-cmr-1000-massachusetts-endangered-species-act.html#10.14>; 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 Number

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.



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\* Some projects **not** in Estimated Habitat may be located in Priority Habitat, and require NHESP review...

- 2. For coastal projects only, is any portion of the proposed project located below the mean high waterline or in a fish run?
  - a.  Not applicable - project is in inland resource area only
  - b.  Yes  No

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

South Shore - Cohasset to Rhode Island, and the Cape & Islands:

North Shore - Hull to New Hampshire:

Division of Marine Fisheries -  
Southeast Marine Fisheries Station  
Attn: Environmental Reviewer  
836 S. Rodney French Blvd  
New Bedford, MA 02744

Division of Marine Fisheries -  
North Shore Office  
Attn: Environmental Reviewer  
30 Emerson Avenue  
Gloucester, MA 01930

If yes, it 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.

- 3. 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 DEP Website for ACEC locations). **Note:** electronic filers click on Website.

b. ACEC Name

- 4. 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

- 5. 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

- 6. 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, Explain why the project is exempt:

- 1.  Single Family Home
- 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)



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City/Town:SUDBURY

housing project) with no discharge to Critical Areas.

**D. Additional Information**

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 by regular mail delivery.

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.
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.

**a. Plan Title:                    b. Plan Prepared By:    c. Plan Signed/Stamped By:    c. Revised Final Date:    e. Scale:**

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.



**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 #:

eDEP Transaction #:1596257

City/Town:SUDBURY

**E. Fees**

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

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

_____	_____
2. Municipal Check Number	3. Check date
_____	_____
4. State Check Number	5. Check date
_____	_____
6. Payer name on check: First Name	7. Payer name on check: Last Name

**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.

Anthony Moro	8/8/2023
_____	_____
1. Signature of Applicant	2. Date
Anthony Moro	8/8/2023
_____	_____
3. Signature of Property Owner(if different)	4. Date
Daniel Cathcart	8/8/2023
_____	_____
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 Section C, Items 1-3, 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  
**WPA Form 3 - Notice of Wetland Fee Transmittal**  
**Form**

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

Provided by MassDEP:  
 MassDEP File #:  
 eDEP Transaction #:1596257  
 City/Town:SUDBURY

**A. Applicant Information**

**1. Applicant:**

a. First Name ANTHONY b.Last Name MORO  
 c. Organization  
 d. Mailing Address 38 ROBERT FROST ROAD  
 e. City/Town SUDBURY f. State MA g. Zip Code 01776  
 h. Phone Number 9786180011 i. Fax j. Email ajmoro90@gmail.com

**2. Property Owner:(if different)**

a. First Name ANTHONY b. Last Name MORO  
 c. Organization  
 d. Mailing Address 38 ROBERT FROST ROAD  
 e. City/Town SUDBURY f.State MA g. Zip Code 01776  
 h. Phone Number 9786180011 i. Fax j.Email ajmoro90@gmail.com

**3. Project Location:**

a. Street Address 38 ROBERT FROST ROAD b. City/Town SUDBURY

Are you exempted from Fee?

**Note:** Fee will be exempted if you are one of the following:

- City/Town/County/District
- Municipal Housing Authority
- Indian Tribe Housing Authority
- MBTA

State agencies are only exempt if the fee is less than \$100

**B. Fees**

Activity Type	Activity Number	Activity Fee	RF Multiplier	Sub Total
A.) WORK ON SINGLE FAMILY LOT; ADDITION, POOL, ETC.;	1	110.00		110.00

City/Town share of filling fee \$67.50 State share of filing fee \$42.50 Total Project Fee \$110.00

abutters_id	field	abutters_owner1	abutters_owner2	abutters_address	abutters_town	abutters_state	abutters_zip	abutters_bookpage	abutters_location
M08-0119		MCMAINS TARKINGTON & TERESA		66 RAYMOND RD	SUDBURY	MA	01776	51581-182	66 RAYMOND RD
M08-0184		LADIEU STACEY P & DUSTON	TRUSTEES THE STACEY P LADIEU	35 ROBERT FROST ROAD	SUDBURY	MA	01776	62654-408	35 ROBERT FROST RD
M08-0185		MORO DHARA K & ANTHONY J		38 ROBERT FROST RD	SUDBURY	MA	01776	79757-362	38 ROBERT FROST RD
M08-0187		KATCHER MICHAEL S & DONNA H		16 LANDS END LN	SUDBURY	MA	01776	24878-175	16 LANDS END LN
M08-0188		GRAHAM ALEXANDER R & SHELLY M		24 LANDS END LN	SUDBURY	MA	01776	48139-58	24 LANDS END LN
M08-0189		SUDBURY VALLEY TRUSTEES INC		18 WOLBACH RD	SUDBURY	MA	01776	14830-514	32 LANDS END LN
M08-0190		GLYNN ANDREW PAUL LOMBROSO &	BEEN MOLLY KATE	38 LANDS END LANE	SUDBURY	MA	01776	72836-311	38 LANDS END LN
M08-0191		PALMER GENE & BROGDON JENNIFER	TRS GENE PALMER LIVINING TRUST	46 LANDS END LN	SUDBURY	MA	01776	75782-535	46 LANDS END LN
M08-0193		LANNON DAVID & DIANA L		87 WARREN RD	SUDBURY	MA	01776	54983-423	87 WARREN RD
M08-0198		CHERON JOSHUA L & JENNIFER A		30 ROBERT FROST RD	SUDBURY	MA	01776	53539-2	30 ROBERT FROST RD
M08-0301		LISA ANTHONY C II & SUSAN VISS ERS TRS	LISA NOMINEE TRUST	9 QUAKER LADY LN	SUDBURY	MA	01776	33087-358	9 QUAKER LADY LN
M08-0302		JANDL CHARLES E & BEATRICE C B		12 QUAKER LADY LN	SUDBURY	MA	01776	29602-427	12 QUAKER LADY LN

*Gina By*  
*assess office*  
*9/8/2023*



# *Plant Healthcare Consultants, Inc.*

American Society of Consulting Arborist ▪ International Society of Arboriculture  
Massachusetts Arborist Association ▪ Massachusetts Tree Wardens and Foresters Association  
TREE INVENTORIES ▪ APPRAISALS ▪ DIAGNOSIS ▪ TREE RISK ASSESSMENTS



## Assessment of Trees in Buffer Zone

Prepared for:

Anthony Moro  
38 Robert Frost Road  
Sudbury, MA 01776

Prepared by:

Daniel E. Cathcart  
Registered Consulting Arborist  
Plant Healthcare Consultants, Inc.  
134 Allen Street  
Braintree, MA 02184

August 5, 2023



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## Summary

I was retained to inspect and assess 29 trees at the residence of Mr. Anthony Moro of 38 Robert Frost Road, Sudbury, MA. The 29 trees consist of 23 eastern white pines (*Pinus strobus*), 4 northern red oaks (*Quercus rubra*), 1 Norway maple (*Acer platanoides*) and 1 red maple (*Acer rubrum*). 26 of the 29 trees are located within the 100' Buffer Zone of the upland resource area.

The purpose of this assessment is due to the fact that Mr. Moro is concerned for the safety of his property and family if these trees are to fail. All the trees referenced in this report are of significant size and within striking distance of Mr. Moro's dwelling and yard.

This report is to accompany a Notice of Intent ("NOI") to seek approval from the Sudbury Conservation Commission to remove these 26 in the resource area (entire project is 29 trees). Also included in this report is a mitigation planting for the removal of the trees in the 100' Buffer Zone of the resource area.

It is my professional opinion that removal of the requested trees, along with appropriate mitigation plantings, will have little effect on integrity of the protected wetlands.

## Introduction

### Background & History

The Sudbury Conservation Commission ("SCC") was established in 1962 to protect local natural resources and features and to act as stewards of the town's conservation properties.

The SCC has legal authority granted under The Conservation Commission Act, by the Massachusetts Wetlands Protection Act, and by the Sudbury Wetlands Administration Bylaw.

To receive the proper permits to perform the tree removals Mr. Moro is required to submit appropriate documentation and applications to the SCC, including a Notice of Intent ("NOI").

---

Daniel E. Cathcart

Plant Healthcare Consultants, Inc.

134 Allen Street, Braintree, MA 02184 ▪ Phone (617) 237-7695

[dan.cathcart@gmail.com](mailto:dan.cathcart@gmail.com) ▪ [www.treeconsultant.com](http://www.treeconsultant.com)

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The work Mr. Moro is proposing falls under Notice of Intent Project - Category 1:

- a.) Work on single family lot; addition, pool, etc.;
- b.) Site work without a house;
- c.) Control vegetation;
- d.) Resource improvement;
- e.) Work on septic system separate from house;
- f.) Monitoring well activities minus roadway;
- g.) New agricultural or aquaculture projects.

## Assignment

The scope of this assignment was to inspect and assess 29 trees on Mr. Moro's property and create a narrative for the justification for removing the trees.

I was also requested to prepare the documentation for the NOI including a WPA3 form and submit them to the MassDEP and Sudbury Conservation Commission.

## Limits of Assignment

The recommendations and conclusions provided in this report are based on my visual observations only. I did not examine the plant's interiors, nor did I collect soil or plant tissue samples for laboratory testing.

NOTE: Wetland Delineation was determined by the most recent GIS available data from the Mass.gov website. To accommodate for potential movement of the delineation a 150' Buffer Zone was used in place of a 100' Buffer Zone in this report.

## Purpose and Use of Report

This report is to support the submission of the NOI and WPA3 with the goal of receiving approval to remove 29 trees from the residence of Mr. Anthony Moro of 38 Robert Frost Road, Sudbury, MA.

This report is the property of Anthony Moro and may be used and shared as he sees fit.

## Observations

All observations referenced in this report are a result of personal site visits to 38 Robert Frost Road, Sudbury, MA by me on October 20, 2022, and August 5, 2023.

All photographs included in this report were taken by me on those site visits.

## Site

38 Robert Frost Road is a single-family residence in Sudbury, MA. The lot is heavily wooded, and the rear and side yards are within the 100' Buffer Zone of a protected wetland.

The trees Mr. Moro is seeking approval to remove are all around the perimeter of his house and finished yard (see Appendix A – Site Map, page 10).

## Tree

Photographs of each tree are located in Appendix B – Photographs, pages 11-30.

Tree #1 has a large cavity at the base of the trunk and a poor live crown ration (“LCR”).

Tree #2 has limited root development area and poor LCR.

Tree #3 has a cavity in the trunk and a poor LCR.

Tree #4 has some impact from the driveway and due to its size failure is a concern.

Tree #5 has a poor LCR and is very close to the house and more susceptible to high wind damage.

Tree #6 is impacted by the driveway and has a poor LCR.

Tree #7 has a poor LCR and poor trunk taper.

Tree #8 has a poor LCR and poor trunk taper.

Tree #9 has a poor LCR and poor trunk taper.

Tree #10 has a significant lean over the property.

Tree #11 has had its root collar buried during a previous regrading of the rear yard.

Tree #12 has had its root collar buried during a previous regrading of the rear yard.

Tree #13 has had its root collar buried during a previous regrading of the rear yard.

Tree #14 is an immature invasive species – Norway maple - and removal is desirable.

Tree #15 has had its root collar buried during a previous regrading of the rear yard.

Tree #16 has had its root collar buried during a previous regrading of the rear yard.

Tree #17 has had its root collar buried during a previous regrading of the rear yard.

Tree #18 has had its root collar buried during a previous regrading of the rear yard.

Tree #19 is large and in close proximity to the house.

Tree #20 is large and in close proximity to the house.

Tree #21 is large and in close proximity to the house.

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Tree #22 is large and in close proximity to the house.

Tree #23 is large and in close proximity to the house.

Tree #24 is very large, on a slope, and very close to the house and has some decay and erosion at the root collar.

Tree #25 is very large, on a slope, and very close to the house and has some decay and erosion at the root collar.

Tree #26 is on a slope, very close to the house and there are concerns of erosion at the root collar.

Tree #27 leans over the house.

Tree #28 leans over the house and over Tree #27.

Tree #29 is growing on a slope and erosion around the root collar is a concern.

## Tree Inventory

Below is a summary of the 29 trees included for removal in the NOI.

Table 1 – Tree Inventory

Tree #	Common Name	Latin Name	DBH	~Height	Longitude	Latitude
1	White Pine	<i>Pinus strobus</i>	18	90	-71.41968653	42.34797399
2	White Pine	<i>Pinus strobus</i>	22	90	-71.41970631	42.34800992
3	White Pine	<i>Pinus strobus</i>	23	90	-71.4196857	42.34803811
4	Red Oak	<i>Quercus rubra</i>	30	85	-71.419641	42.34809651
5	White Pine	<i>Pinus strobus</i>	32	85	-71.41956794	42.34812682
6	White Pine	<i>Pinus strobus</i>	28	90	-71.419477	42.34811889
7	White Pine	<i>Pinus strobus</i>	12	90	-71.41946136	42.34813549
8	White Pine	<i>Pinus strobus</i>	15	90	-71.41943899	42.34815405
9	White Pine	<i>Pinus strobus</i>	14	90	-71.41946452	42.34815354
10	Red Maple	<i>Acer rubrum</i>	12	65	-71.41933096	42.34827691
11	White Pine	<i>Pinus strobus</i>	30	90	-71.41936073	42.3483426
12	White Pine	<i>Pinus strobus</i>	28	90	-71.41930948	42.34837347
13	White Pine	<i>Pinus strobus</i>	27	90	-71.41933914	42.34840858
14	Norway Maple	<i>Acer platanoides</i>	9	30	-71.41930882	42.3484082
15	White Pine	<i>Pinus strobus</i>	13	70	-71.41932669	42.34842913
16	White Pine	<i>Pinus strobus</i>	13	90	-71.41929727	42.34845339
17	White Pine	<i>Pinus strobus</i>	15	90	-71.41930525	42.34847176
18	White Pine	<i>Pinus strobus</i>	20	90	-71.41937963	42.348431
19	Red Oak	<i>Quercus rubra</i>	15	75	-71.41947484	42.34847188
20	White Pine	<i>Pinus strobus</i>	30	90	-71.41950303	42.34848688
21	White Pine	<i>Pinus strobus</i>	18	90	-71.41949096	42.34850206
22	White Pine	<i>Pinus strobus</i>	16	90	-71.41951727	42.34850558
23	White Pine	<i>Pinus strobus</i>	21	90	-71.41954125	42.34849603
24	White Pine	<i>Pinus strobus</i>	30	90	-71.41962939	42.34844839

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25	White Pine	<i>Pinus strobus</i>	24	90	-71.419634	42.34844387
26	White Pine	<i>Pinus strobus</i>	12	90	-71.41964504	42.34844129
27	Red Oak	<i>Quercus rubra</i>	14	60	-71.4197405	42.34831667
28	Red Oak	<i>Quercus rubra</i>	14	65	-71.41978659	42.34832012
29	White Pine	<i>Pinus strobus</i>	18	45	-71.41985772	42.34817386

## Discussion

Trees #1, #3, #24 & #25 currently pose a high-risk to the site and should be removed at earliest convenience.

Tree #14 is an invasive species and should also be removed.

There is a concern about Trees #2 & Trees #4 - #21. These trees were impacted at the time of development of the site and/or other regrading projects. The trees along the driveway are susceptible to compaction, limiting root development. The trees in the rear yard have had their root collars buried, promoting decay, and insect and disease infestations. Trees with impacts to the root collars are susceptible to full tree failure. If any of these trees fail there is a strong likelihood of striking the house, causing severe damage.

The trees on the front and north side of the house are very large, on a slope and very close to the house. Erosion is ongoing and there is undermining of the soil around the root collar. These tree are also in risk of failure.

## Proposed Mitigation

### Alternative Analysis for Altering Upland Resource Area

As this NOI is requesting permission to remove trees from the site alternative options are quite limited.

Option 1 – Do not remove the trees.

This option in not practical because it does not remove the risk of tree failure.

Option 2 – Remove the trees and implement mitigation to limit impact to upland resource area. This is the only viable option to reduce the risk of tree failure and damage to people and property while maintaining the integrity of the protected wetlands.

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## Mitigation Plan

Trees #1, #3, #24 & #25 are currently high-risk trees and Tree #14 is an invasive species so no mitigation is proposed for these trees.

Trees #22 & Tree #26 will be cut to a height of ~12-15' and left as a snag to provide habitat for wildlife.

Trees #27, #28 & #29 are outside the 100' Buffer Zone and require no mitigation.

A mitigation planting schedule for the remaining 19 trees is detailed below.

## Mitigation Planting Plan

To mitigate planting of the following native species will be planted to replace the removed trees. This will help preserve the area and restore it to its condition prior to the removal of the trees. The new plantings will be placed along the rear of the property, following the arc of the removed trees, to restore a natural feel and provide habitat for wildlife.

Latin Name	Common Name	Size	# of units	Benefits
<i>Amelanchier canadensis</i>	Shadblow Serviceberry	5 gal	4	Produce berries for birds
<i>Ilex verticillata</i>	Winterberry	5 gal	10	Favorable to pollinators
<i>Vaccinium corymbosum</i>	Highbush Blueberry	3-4'	10	Favorable to pollinators, produce berries for birds
<i>Kalmia latifolia</i>	Mountain Laurel	3-4'	10	Shade tolerant
<i>Cornus cericea</i>	Red osier dogwood	5 gal	10	

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## Mitigation Planting Map



## Conclusion

Based on my education, training, and many years of experience in the field of arboriculture it is my professional opinion that the proposed removal of the 29 trees at 38 Robert Frost Road, Sudbury, MA, will reduce the risk of damage to people and property, combined with the proposed mitigation plan, with minimal impact to the integrity of the protected wetland.



## Glossary of Terms

ASCA	American Society of Consulting Arborists, professional association of arborist specializing in arboricultural consulting
Branch Union	The structural union of a lateral branch to the tree stem.
Canopy	The part of the crown composed of leaves and small twigs.
Certified Arborist	A professional arborist possessing current certification issued by the Massachusetts Arborists Association (MAA) and/or the International Society of Arboriculture (ISA)
Clinometer	A device used to measure the height of an object
Co-dominant	Stems or branches, equal in size and relative importance usually associated with either the trunk/stems or scaffold limbs/ branches in the crown.
Crown	The upper part of a tree, measured from the lowest branch, including all the branches and foliage
DBH	Stands for Diameter Breast Height. The diameter of a tree measured at 4.5 feet above the ground.
Dripline	Perimeter of the area under a tree including the branches and leaves
Establishment	The process of a tree becoming acclimated to a new environment, usually correlating the new root development that can sustain normal biological functions of the tree
Included Bark	An inherent weak point where two or more stems grow independently pressing on one another
ISA	International Society of Arborists, a global, professional association of arborist
Level II Tree Risk	A visual assessment only. The tree is inspected from the Assessment ground only and diagnostic tools used
Level III Tree Risk Assessment	I more intensive inspection of the tree using diagnostic tool, such as a Resistograph and may also include inspection in the tree canopy
Parity	The time, usually in years, that it takes for a replacement tree to provide similar attributes and benefits of a removed tree
Pruning	Systematic removal of branches of a plant usually a woody perennial
RCA	Registered Consulting Arborist, a credential issued by ASCA to an arborist that has demonstrated higher skills in certain technical areas related to trees and tree care, providing objective, independent opinions, with training for higher communication, presentation, and/or report writing skills.

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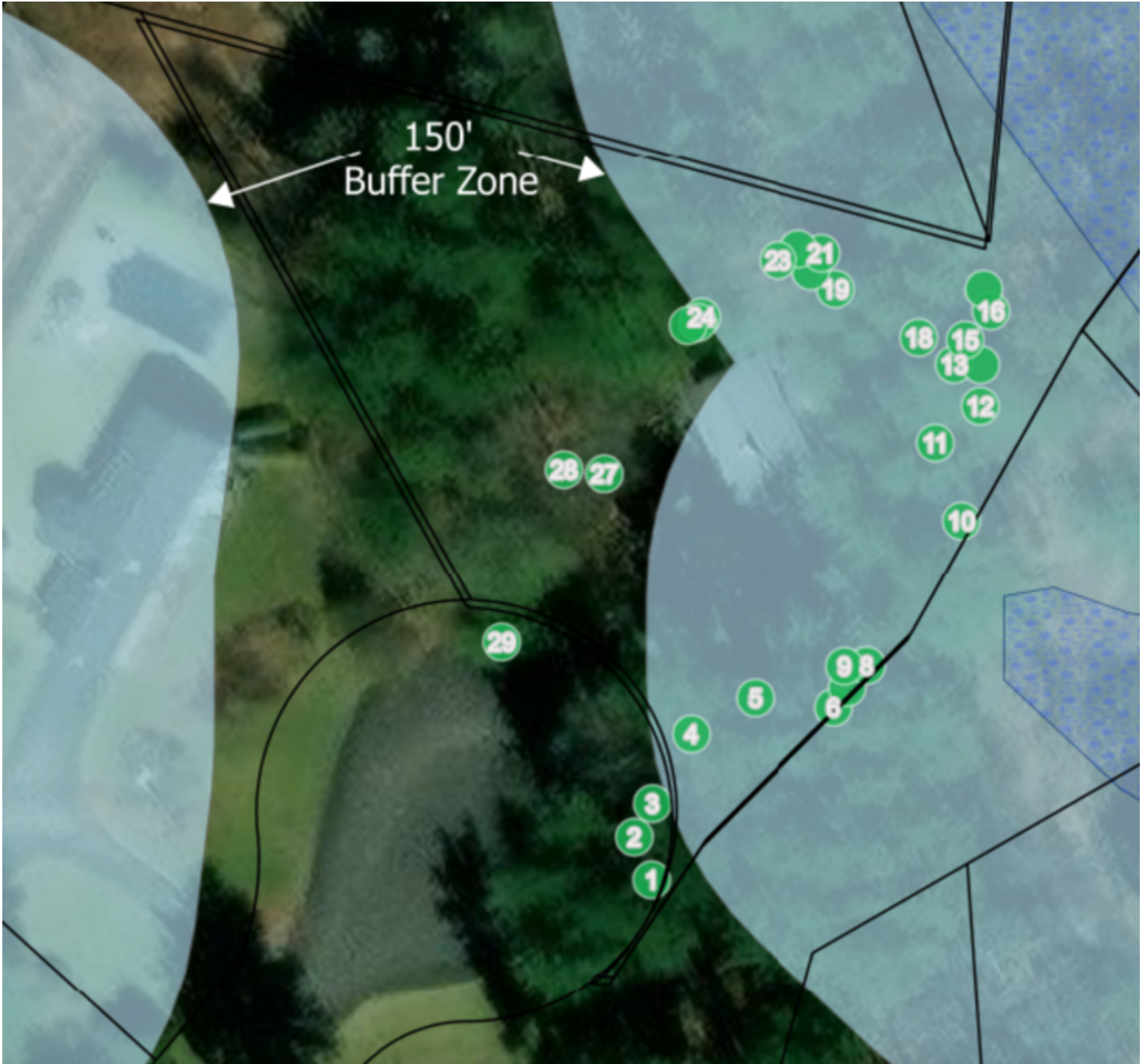
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## Appendix A – Site Map





## Appendix B – Photographs



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Tree 1

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**Tree 9**

**Tree 8**

**Tree 7**

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Tree 12

Tree 11







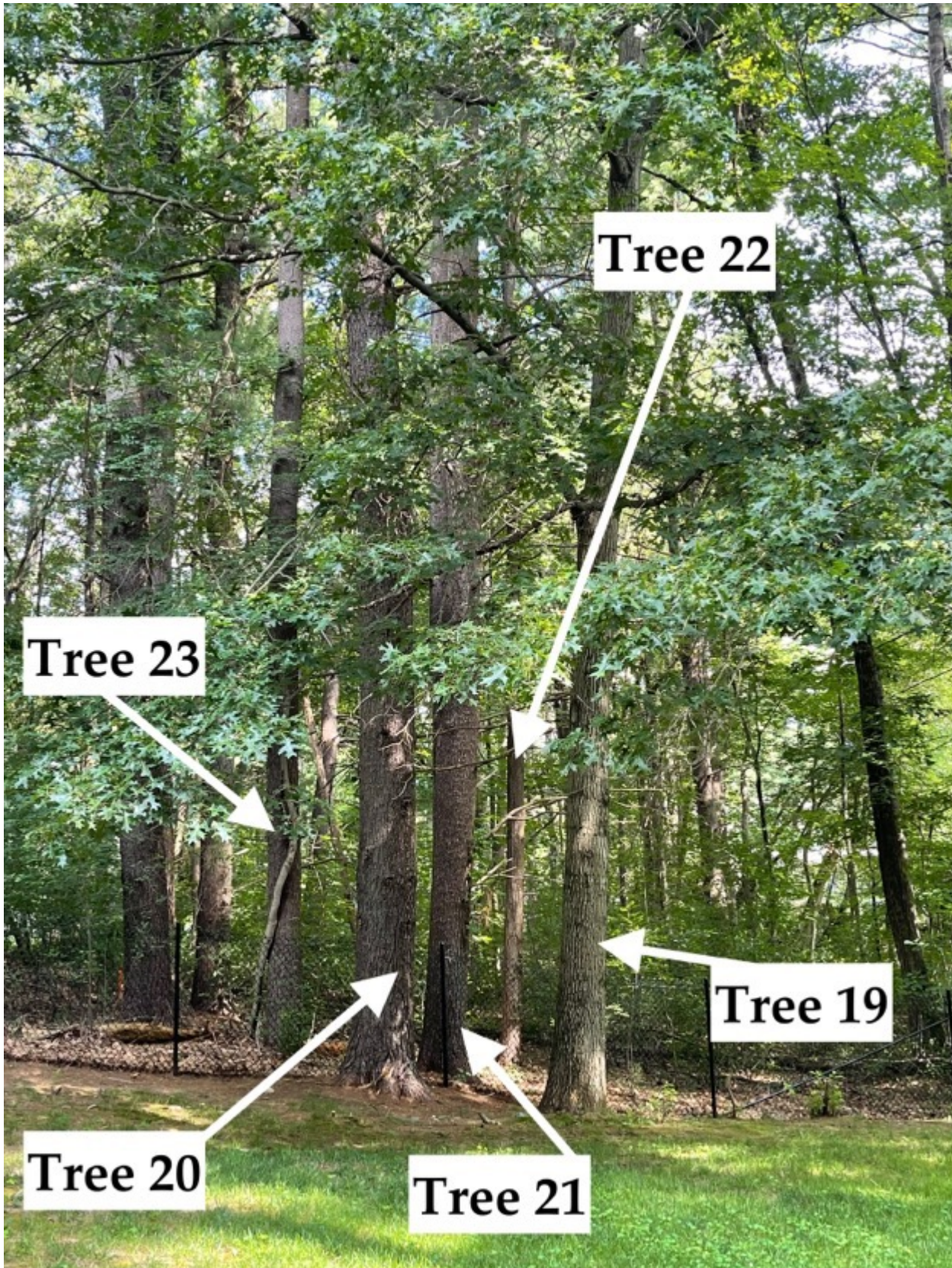


**Tree 14**

















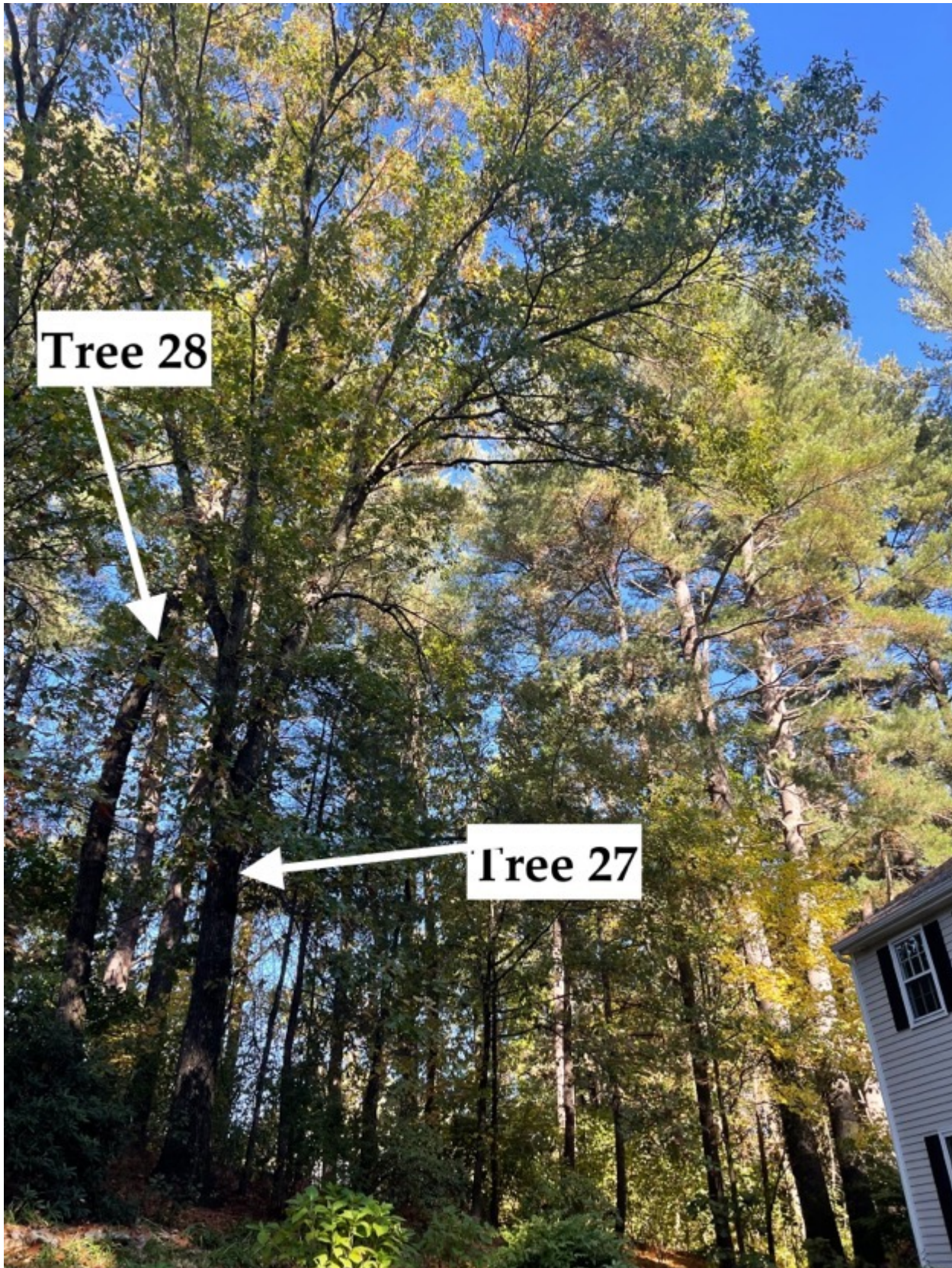




















**Tree 29**



## Appendix C - Assumptions and Limited Conditions

1. It is assumed that any property is not in violation of any applicable codes, ordinances, statutes, or other governmental regulations.
2. Care has been taken to obtain all information from reliable sources. All data has been verified insofar as possible; however, the consultant can neither guarantee nor be responsible for the accuracy of information provided by others.
3. The consultant shall not be required to give testimony or to attend court by reason of this report unless subsequent contractual arrangements are made, including payment of an additional fee for such services as described in the fee schedule and contract of engagement.
4. Unless required by law, otherwise, possession of this report or a copy thereof does not imply right of publication or use for any purpose by any other than the person to whom it is addressed, without the prior expressed written or verbal consent of the consultant.
5. Unless required by law, neither all nor any part of the contents of this report, nor copy thereof, shall be conveyed by anyone, including the client, to the public through advertising, public relations, news, sales or other media, without the prior expressed written or verbal consent of the consultant-particularly as to value conclusions, identity of the consultant, or any reference to any professional society or institute or to any initialed designation conferred upon the consultant as stated in his qualifications.
6. This report expressed herein represent the opinion of the consultant, and the consultant's fee is in no way contingent upon the reporting of a specified value, a stipulated result, the occurrence of a subsequent event, nor upon any finding to be reported.
7. Sketches, drawings, and photographs in this report, being intended as visual aids, are not necessarily to scale and should not be construed as engineering or architectural reports or surveys unless expressed otherwise. The reproduction of any information generated by architects, engineers, or other consultants on any sketches, drawings, or photographs is for the express purpose of coordination and ease of reference only. Inclusion of said information on any drawings or other documents does not constitute a representation by *Plant Healthcare Consultants, Inc.* as to the sufficiency or accuracy of said information.
8. Unless expressed otherwise: 1) information contained in this report covers only those items that were examined and reflects the condition of those items at the time of inspection; and 2) the inspection is limited to visual examination of accessible items without dissection, excavation, probing, or coring unless otherwise specified. There is no warranty or guarantee, expressed or implied, that problems or deficiencies of the plants or property in question may not arise in the future.
9. Loss or alteration of any part of this report invalidates the entire report.

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## Appendix D - Certification of Performance

Plant Healthcare Consultants, Inc. certify that:

1. We have personally inspected the tree and property referred to in this report and have stated our findings accurately.
2. We have no current or prospective interest in the trees or the property that is the subject of this report and have no personal interest or bias with respect to the parties involved.
3. The analysis, opinions and conclusions stated herein are our own and are based on current scientific procedures and facts.
4. Our analysis, opinions and conclusions were developed, and this report has been prepared according to commonly accepted arboricultural practices.
5. No one provided significant professional assistance to us, except as indicated within the report.
6. Our compensation is not contingent upon the reporting of a predetermined conclusion that favors the cause of the client or any other party or upon the results of the assessment, the attainment of stipulated results, or the occurrence of any subsequent events.

We further certify that Plant Healthcare Consultants, Inc. is a member in good standing of the Massachusetts Arborist Association, American Society of Consulting Arborists, the International Society of Arboriculture and Massachusetts Tree Wardens and Foresters Association. We have been involved in the field of Arboriculture for over 30 years.



*Daniel E. Cathcart*

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ISA Board Certified Master Arborist® #TX-1357B  
ISA Tree Risk Assessment Qualified®  
Massachusetts Certified Arborist #41801  
Massachusetts Qualified Tree Warden #1097

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