



*Professional
Environmental
Services, LLC*

**200 Essex Street, Lynnfield, MA
Municipal Street Tree
Condition Report**

**For
Andrew B. Delory, ESQ.
Law Office of Paul A. Delory**

**Prepared By:
James M. MacArthur
Owner and Business Manager**

ISA Certification # NE-7574 A

01/05/2024

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Town of Lynnfield – Public Shade Tree Removal Application

Tree Warden - Lisa DeMeo
Tel: (781) 334-9500
Email: ldemeo@town.lynnfield.ma.us

*Complete and return to the DPW Office at Town Hall, 55 Summer Street, Lynnfield, MA, 01940

Property Owner: Pierce M. Aliberti and Cassie Aliberti Date: 01/09/2024

Property Address: 200 Essex Street, Lynnfield, MA 01940

Phone Number: (781) 572-2578

Email Address: piercealibeti@gmail.com

Reason for Request: Removal of four (4) public shade trees

Location of Tree: **Please provide a map or sketch of the tree(s) location and landmarks around it**

See attached Report & Plan

Species: One (1) Eastern Red Cedar; Two (2) White Pine; One (1) Norway Maple

Tree Size: Diameter: 27"; 43"; 33"; 18.5" Approx. height: 50'; 90'; 90'; 70'

1. I am/We are the record owner(s) of the property referenced above.
2. I am/We are requesting that the Tree Warden grant permission to remove a Public Shade Tree owned by the Town of Lynnfield and located adjacent to my/our property.
3. I/We understand that per M.G.L. Chapter 87 the Tree Warden is required to conduct a public hearing. If at or before the public hearing the Tree Warden receives written objection, the removal of the tree shall be denied.
4. I/We understand that all costs of tree removal and replacement shall be borne by the applicant.

Property Owner Signature: Pierce M. Aliberti dotloop verified 01/09/24 1:28 PM EST UOVF-N3GO-BHLR-DT9S Date: _____

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To be completed by the Tree Warden: The request to prune/remove the public tree(s) indicated above has been:

- APPROVED - The following conditions shall apply: _____
- DENIED - Reason for denial: _____

Tree Warden Signature: _____ Date: _____

SITE DESCRIPTION

The property at 200 Essex Street, Lynnfield, Massachusetts is being developed as a Residential B Zoning District lot. This report addresses those municipal street trees that are within the Lynnfield Scenic Roads Bylaw Area as part of the site development plan. The Lynnfield Scenic Roads Bylaw comes under the prevue of the Lynnfield Planning Board. See Exhibit A. On Exhibit A, which is a proposed site plan developed by Hayes Engineering for Andrew B. Delory, ESQ., Law Office of Paul A. Delory. Professional Environmental Services, llc, field identified each municipal street tree to be addressed and provided a corresponding number 1-4 on this plan. The individual numbered locations of the 4 trees, in the plot plan were plotted on Exhibit A by Hayes Engineering, 603 Salem Street, Wakefield, MA. This report is focused on those municipal street trees that are located along the municipal property frontage of 200 Essex Street and fall not only under the Town of Lynnfield Scenic Road Bylaw but also under MGL Ch. 87, the Massachusetts Shade Tree Law which falls under the jurisdiction of the Lynnfield Tree Warden.

NARRATIVE

On January 03, 2024, James M. MacArthur performed an assessment of 4 municipal trees that are located along the frontage at 200 Essex Street, Lynnfield, MA. Professional Environmental Services at the request of Andrew B. Delory, ESQ., Law Office of Paul A. Delory number tagged the 4 trees to be assessed and conducted an inspection of the 4 trees to ascertain their health conditions and determine whether they should be retained or removed based on their level of risk and target potential. The following is a synopsis of the trees that are of concern and impact on the property at 200 Essex Street and surrounding area, Exhibit A. On the site Plot Plan, each tree is individually numbered 1 through 4 and each trees individual Species name, Diameter at Breast Height (DBH), Health Condition, Target Potential, Photo and Recommendation are listed separately in the Findings section.

The identified 4 municipal trees that were assessed are 1 Eastern Red Cedar, 2 White Pine trees and 1 Norway Maple tree. The Norway Maple tree is an invasive tree species in the State of Massachusetts as determined by the Mass Wildlife's Natural Heritage and Endangered Species Program within the Massachusetts Executive Office of Environmental Affairs and Energy. This species cannot be legally purchased or planted in Massachusetts and where possible should be recommended for removal.

The Massachusetts Invasive Plant Advisory Group (MIPAG), recommends that early detection, planning, public education, public/private partnerships and control/eradication where possible are all components of an effective Invasive species management program. To that end, by removing the Norway Maple tree that is present as a municipal street tree at 200 Essex Street, Lynnfield, MA is a step in a collaborative public private partnership in the reduction of the footprint that the invasive Norway Maple tree has in the Town of Lynnfield, MA and in itself is a mitigation tool in the reduction and control of Norway Maple trees in Lynnfield, MA.

FINDINGS

In the following report findings, Professional Environmental Services, LLC will provide some general overall observations and then apply those observations to each individual tree and a tree number assigned along with individual tree observations and recommendations.

The trees were risk assessed in conformance with the Tree Risk Assessment protocol based on the ANSI A-300 Part 9 Tree Risk Assessment Standards. The key goal is to minimize target potential such as structures, roadways, walkways, play areas and any place where human interface may occur. In this case the trees were assessed to see if they were healthy trees, trees in decline, invasive species or dead trees, in addition to whether they currently pose a risk target potential to the future residents and property at 200 Essex Street and the traveling public on Essex Street. See Exhibit B.

Each tree was assessed and the individual findings, tree photo and recommended remediation action are listed separately in the following findings.

TREE # 1

SPECIES: Eastern Red Cedar, *Juniperus virginiana*

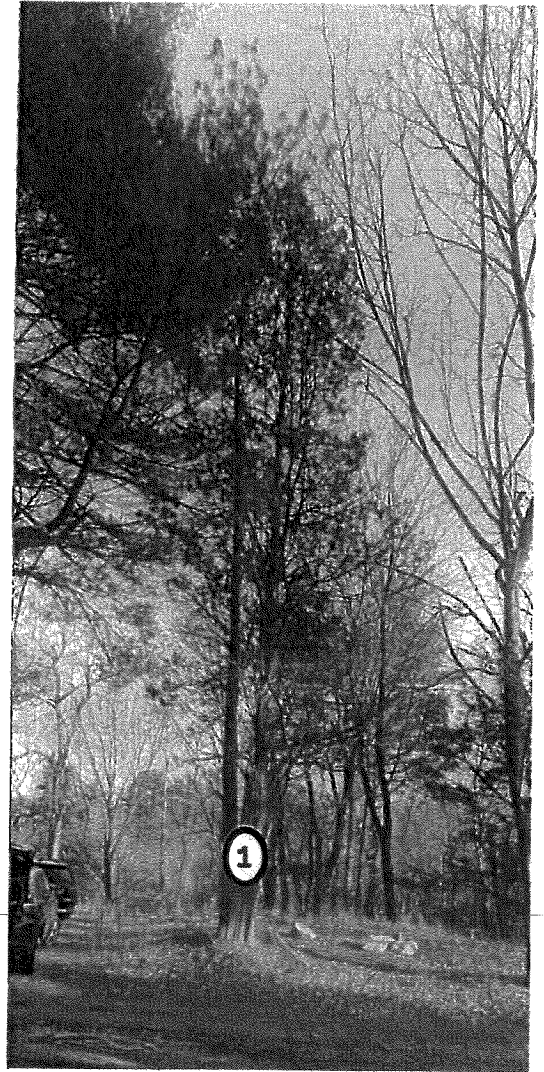
DBH: 27"

LOCATION: Municipal road edge to the right side of the 200 Essex Street Property and directly to the right of the proposed driveway location.

CONDITION: There are numerous dead limbs in the crown of the tree with the majority in the lower crown. The main trunk has sawdust at the base, indicating heart rot decay, there are many broken branches and a few cavities in the main trunk. It appears that the main trunk is made up of several leaders that grew together creating an opportunity for decay to develop where the leaders compete for growth space internally. Looking at the thinness of vegetated crown cover, the tree appears to be in decline. When sounding the tree with a sounding hammer there is indications of internal cavities. The candy cane probe showed the depth of cavities and the sounding hammer indicated internal decay.

TARGET:, 200 Essex Street property and Essex Street itself.

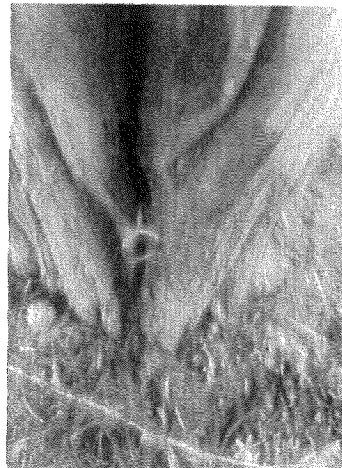
RECOMMENDATION: Removal



This photo shows the multiple competing leaders of Tree 1.



This photo shows the thinning canopy of Tree 1.



This photo shows the candy cane probe sunken most of the way into the trunk gap of Tree 1.



This photo shows the candy cane probe sunken over halfway into the trunk gap of Tree 1.

TREE # 2

SPECIES: White Pine, *Pinus strobus*

DBH: 43"

LOCATION: Municipal road edge on the left side of the existing driveway and in the middle of the entrance of the proposed driveway of the 200 Essex Street Property.

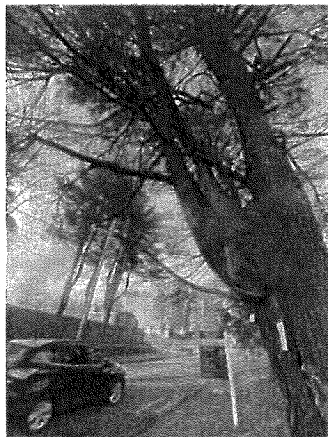
CONDITION: A major leader was removed at one point in time at about 4 feet up the trunk, leaving a large seam beneath it with internal heart rot. Just above the removed leader are two other large leaders that are overhanging the roadway with weak branch unions and applying weight over the area where the bark is split and there is heart rot present. At the base of the tree there are numerous insect holes, numerous dead branches throughout the crown which overhang the roadway. The majority of the tree and the tree's leaders are all putting weight towards the roadway, creating a major liability for pedestrian and vehicular traffic. There had been some branch removals with cavities now present. The candy cane probe showed the depth of cavities and the sounding hammer indicated internal decay.

TARGET: High risk potential. Pedestrian and vehicular traffic and utility lines are all in the Target Zone.

RECOMMENDATION: Removal



This photo shows the removed leader stub with seams above, beside and below the stub of Tree 2.



This photo of Tree 2 shows the damaged area of the tree, dead limbs and the tree leaning over vehicular traffic.



This photo of Tree 2 shows the tree and its two major leaders leaning over the roadway with the high school entrance in the background

TREE # 3

SPECIES: White Pine, *Pinus strobus*

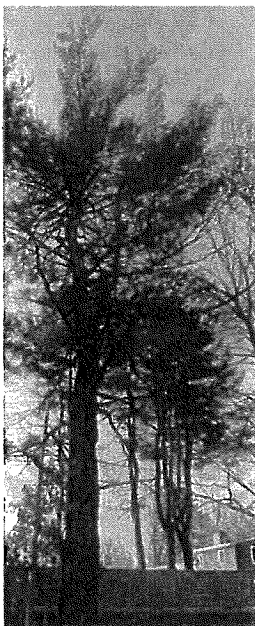
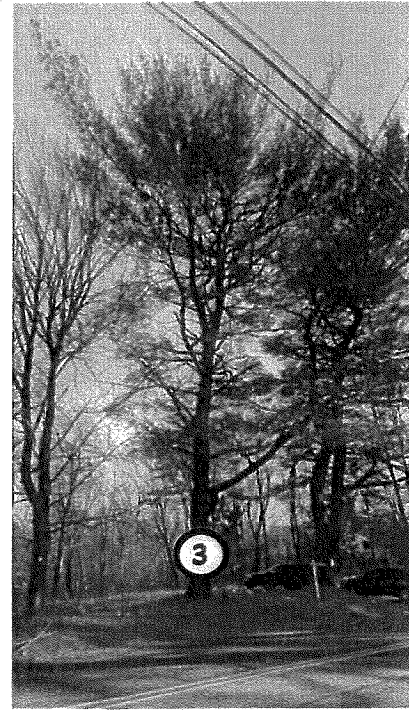
DBH: 33"

LOCATION: Municipal road edge to the west of tree #2.

CONDITION: Just above the root flare facing the street side of the tree is a large sunken area, indicating there may be an internal cavity. There are numerous dead limbs in the crown overhanging the roadway at the top of the tree about 30 feet up is a large branch union that is a weak union. A very thin crown indicates that the tree is in decline. The sounding hammer indicated internal decay. The tree is weighted toward the roadway.

TARGET: High risk potential. Pedestrian and vehicular traffic and utility lines are all in the Target Zone.

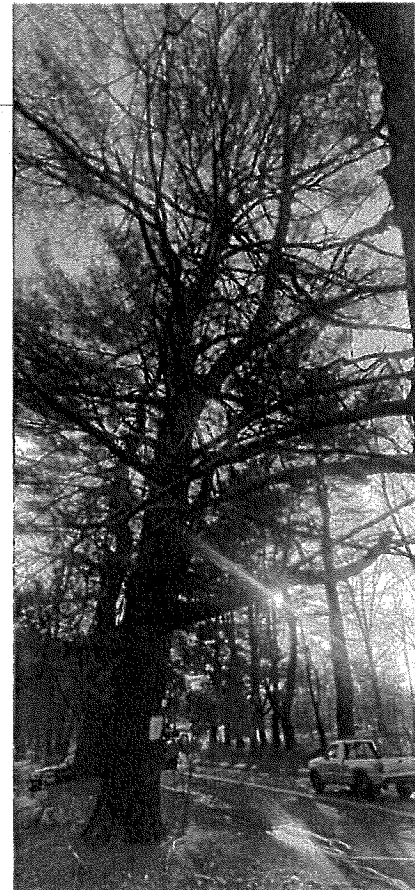
RECOMMENDATION: Removal



This photo shows the main trunk of Tree 3 leaning toward the road.



This photo shows the declining crown of Tree 3.



This photo shows the large dead and dying leaders of Tree 3 overhanging the roadway.

TREE # 4 Invasive Tree species

SPECIES: Norway Maple, *Acer platanoides*

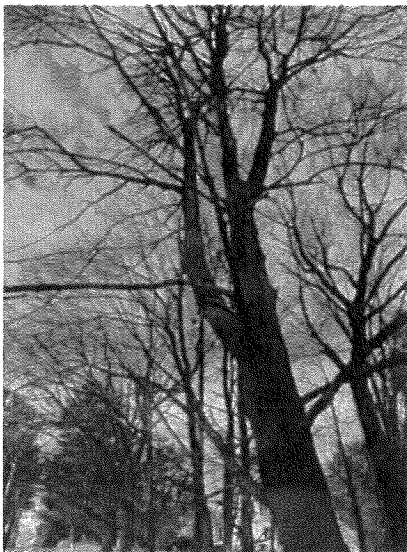
DBH:18.5"

LOCATION: Municipal road edge on the West side of tree #3

CONDITION: Tree has numerous dead branches in the lower part of the crown and throughout the crowns three main leaders. The tree has a weak branch union and many dead branches overhanging the roadway. The tree leans towards the roadway. Several branches had broken off, leaving cavities at the point of breakage. The tree is in decline.

TARGET: High risk potential. The tree is overhanging Essex Street and has heavy traffic especially during the start and end of the school day.

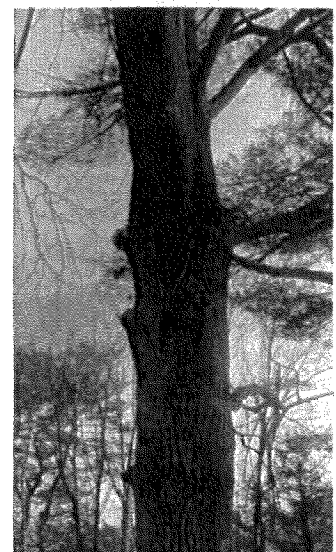
RECOMMENDATION: Removal



This photo shows a sunken area on the trunk of the tree the three main leaders in Tree 4.



This photo shows Tree 4 leaning toward Essex Street.



This photo shows the broken branch stubs of Tree 4 with cavities.

REMEDIATION PLAN

Part of the Mitigation and Remediation Plan for one of the 4 tree removals is the vegetation planting plan for the property to be developed by James Emmanuel, Landscape Architect, James K. Emmanuel Associates. Tree # 1 is the only tree that should be considered for mitigation and remediation.

Tree # 4 is a Norway Maple tree is in decline, has numerous dead branches, a girdling root, and signs of branch decay at the branch collars where branches had broken off and heart rot decay indicated by sounding with a sounding hammer. This tree is an invasive species and should be removed before there is further failure of crown branches and leaders.

Tree number 1, Eastern Red Cedar, is 27.0 inches DBH with multiple stems at the ground level growing together and is recommended to be removed due to it's proximity to construction area and the fact that the driveway will be located near the tree. The tree is a visual hazard for entering and exiting the driveway besides being in decline and having internal decay.

Trees #2 43.0 " DBH and #3 33.0" DBH are declining White Pine trees that are a very high risk for the municipal public way that has heavy traffic in the morning and afternoon of school days with the Lynnfield High School directly across the street.

All of these trees present a high risk of failure that includes a target of the public way and under the Massachusetts Duty of Care Law, the Town of Lynnfield is responsible to mitigate these risks. Given that the risks are present and Andrew B. Delory, ESQ., Law Office of Paul A. Delory are willing to remove these risks as part of their Mitigation and Remediation Plan creates a situation where the Town of Lynnfield gets the risks removed at no additional cost to the Town of Lynnfield while providing a safety measure for the public way.



James M MacArthur

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EXHIBIT B

200 Essex Street, Lynnfield, MA
2024 TREE HEALTH SURVEY

	SPECIES	DBH	TREE DEFECT	MUNICIPAL STREET TREE (YES/NO)	TREE STRESS LEVEL	RECOMMENDED MITIGATION	POTENTIAL TARGETS	Number 2 inch DBH Replacement Trees	NOTES
1	Eastern Red Cedar	27	Multiple	Yes	High	Removal	Public way	0	Internal Decay, dead branches, declining crown.
2	White Pine	43	Multiple	Yes	High	Removal	Multiple	0	Bark separation , exposed wood, internal decay, insect infestation, weak leader union with crackdead branches, leaning toward road, sidewalk, and overhead utilities, in decline.
3	White Pine	33	Multiple	Yes	High	Removal	Multiple	0	Internal decay, insect infestation, weak leader union, dead branches, leaning toward road, sidewalk, and overhead utilities, in decline.
4	Norway Maple	18.5	Dead branches	Yes	Medium	Removal	Public Way	0	Invasive Species, weak leader unions, sunken bark, dead branches, leaning toward road and sidewalk.

REFERENCES

- American Nursery and Landscape Association
- American Society of Landscape Architects
- International Society of Arboriculture
- DIRR'S HARDY TREES AND SHRUBS, AN ILLUSTRATED ENCYCLOPEDIA", Author Michael A. Dirr
- Mass Wildlife's Natural Heritage & Endangered Species Program, www.mass.gov/service-details/invasive-plants
- Strategic Recommendations for Managing Invasive Plants in Massachusetts, Massachusetts Invasive Plant Advisory Group (MIPAG) Final Report, February 28, 2005
- The Lynnfield Department of Planning & Conservation

Assumptions and Limiting Conditions

1. Any legal description provided to the consultant/appraiser is assumed to be correct. Any titles and ownership to any property are assumed to be good and marketable. No responsibility is assumed for matters legal in character. Any and all property is appraised or evaluated as though free and clear, under responsible ownership and competent management.
2. Care has been taken to obtain all information from reliable sources. All data has been verified insofar as possible; however, the consultant/appraiser can neither guarantee nor be responsible for the accuracy of information provided by others.
3. The consultant/appraiser shall not be required to give testimony or 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. Loss or alteration of any part of this report invalidates the entire report.
5. 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/appraiser.
6. 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/appraiser particularly as to value conclusions, identity of the consultant/appraiser, or any reference to any professional society or institute or to any initiated designation conferred upon the consultant/appraiser as stated in his qualification.
7. This report and values expressed herein represent the opinion of the consultant/appraiser, and the consultant's/appraiser's fee in no way contingent upon the reporting of specified value, a stipulated results, the occurrence of a subsequent event, nor upon any finding to be reported.
8. Sketches, diagrams, graphs 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.
9. 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. There is no warranty or guarantee, expressed or implied, that problems of deficiencies of the plans or property in question may not arise in the future.