



**Tree Health Assessment Report**  
**Perkins Playground**

Somerville Parks Tree Health Program

IFB #22-11

Prepared by Alden Johnson, MCA, ISA

Daniel Solmini MCA, ISA, TRAQ

February 3, 2022

## **Overview:**

Perkins Park is an active playground entirely covered in Rubber surface and concrete, surrounded by concrete and asphalt sidewalk and street. It is home to (4) Littleleaf Linden Trees, which are completely surrounded by rubber playground surface. As challenging a site as it is for these trees, future preservation/replacement efforts for these trees have merit given how exposed the park would be without them.

## Soil Health

There is no exposed soil in this park. No soil visible to test or report on.

## General Health and Pruning

Tree #43363 is showing some decline in its upper canopy and its stunted size in relation to the trees around it suggests it may have root issues. This tree, as well as trees #42371 and #42352 should be pruned to remove deadwood and maintain clearance from surrounding structures, fences and playground surface.

## Removal

Tree #42358 is in advanced decline. Large pockets of decay in main trunk and leaders, and 30-40% decline in canopy. Due to these irreversible defects, likelihood of failure in the near future and severity of consequences of failure (active playground) We recommend the tree be removed.

## Pest treatment

Sooty mold is evident on ground and play structures around lindens. This mold grows on Aphid honeydew as a result of feeding on Linden leaves during the growing season. Given the site considerations and concern for pollinators, treatment is not practical at this time.

## Other correction of adverse conditions

Due to their restricted growing area, and poor soil conditions, these trees are all showing various signs of environmental/root related stress. Long term management plan should consider expansion of tree wells and phased removal and replanting and of Linden tree #42363.

## **2022 Priorities:**

- Remove problematic Linden tree
- Grind stump and prep site for replacement tree
- Canopy cleaning, raising, of remaining Linden trees

## **10-Year Priorities:**

- Redesign of park for replacement trees
- Expansion of tree wells
- Continued Pruning of Lindens on 3-4 year cycle



**Accredited Tree Care by Certified Arborists**

City of Somerville  
93 Highland Ave  
Somerville, MA 02143

Home:  
Mobile:  
Office: 617-625-6600  
e-mail: [vboukili@somervillema.gov](mailto:vboukili@somervillema.gov)  
Alt e-mail:

February 4, 2022  
Proposal #: 57561

Job Site: 10  
Perkins Playground  
IFB 22-11 Parks Health Program  
Perkins St  
Somerville, MA 02145

Phone:  
Email:  
Alt Phone:

**Tree and Shrub Care Recommendations on 2/3/2022**

Description of Services

**- Work Plan for Perkins Playground: March 3-4, 2022**

**- 17" Diameter Linden (#42358) with extensive decay by the park entrance**  
**Tree Removal** - Take down and cut stump low to grade as equipment allows, dispose of brush, logs and chipped debris generated from removal operations.



**- Remaining 3 Linden trees in Park:**  
**Canopy Cleaning/Raising/Reduction** - Selective pruning to remove declining, dead and broken branches greater than 2" in diameter, and provide clearances, weight reduction as specified per tree in the attached spreadsheet.



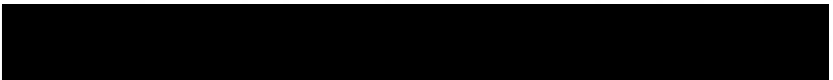
**- Posting No Parking signs along Perkins St.**



**- Police detail 1 days.**



**- Park Closure:** Note the above work will require the park to be closed for approximately 1 day March 3rd or 4th, 2022 from 7AM until 3PM during the project.



This proposal is valid for 45 days, assuming there are no changes to the site (driveway, plantings, buildings etc. remain unchanged).  
All work performed in accordance with ANSI A300 Standards.

Payment due upon completion of work. 1 1/2% per month, 18% per year on unpaid balances.



Thank you for considering Barrett Tree Service East, Inc. Sincerely,

Alden Johnson  
Certified Arborist

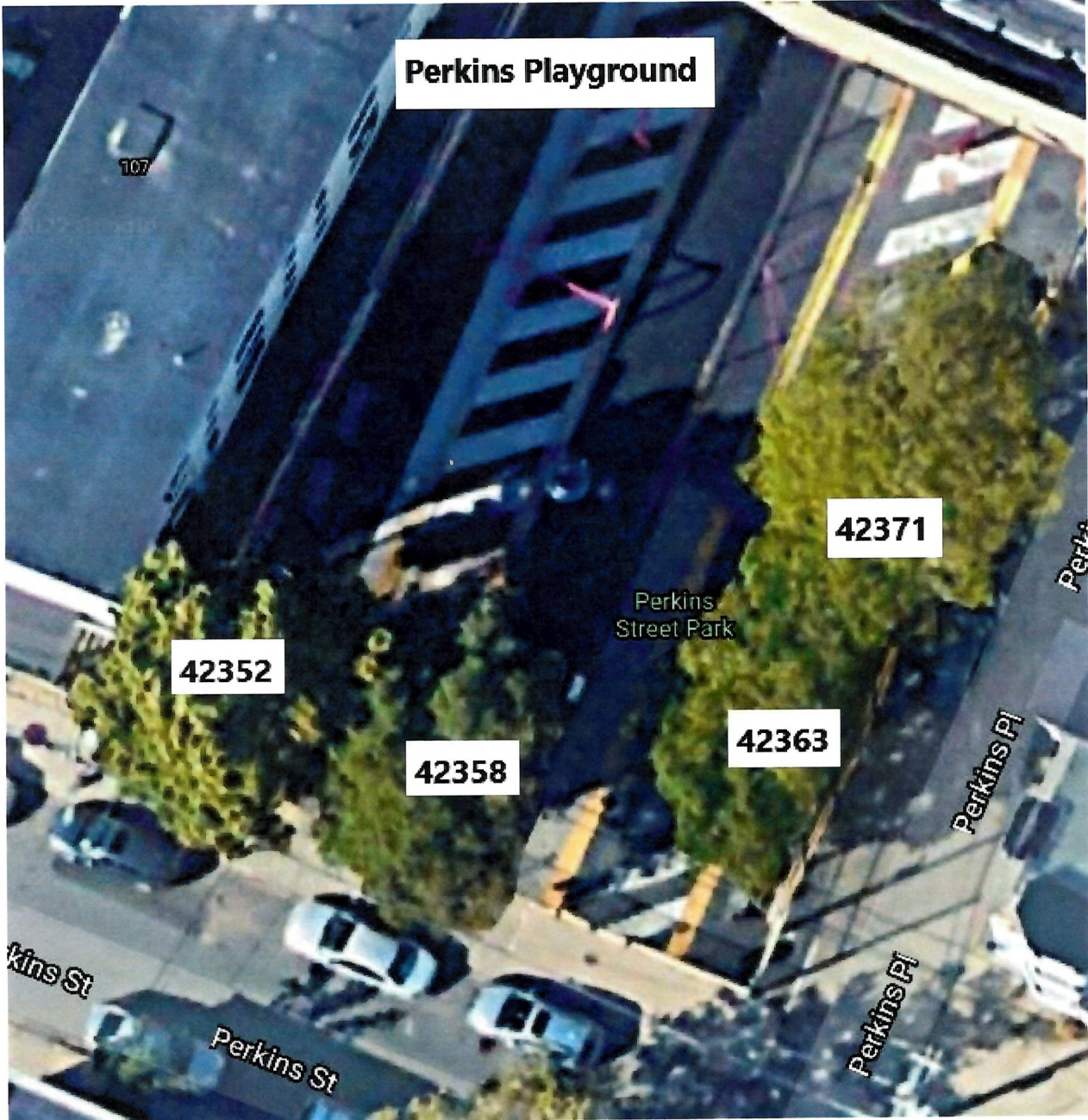


This proposal is valid for 45 days, assuming there are no changes to the site (driveway, plantings, buildings etc. remain unchanged). All work performed in accordance with ANSI A300 Standards.

Payment due upon completion of work. 1 ½% per month, 18% per year on unpaid balances.







**Perkins Playground**

107

**42352**

**42358**

**42363**

**42371**

Perkins  
Street Park

Perkins St

Perkins St

Perkins Pl

Perkins Pl

Perkins Pl

Site ID	Species	DBH	Primary Maintenance Need	Work units
<b>Perkins Playground</b>				
42358	Linden	17	Removal	1
42352	Linden	20.3	Prune to remove dead, diseased, broken branches greater than 2" in diameter. Raise to provide 12- over ground, 2-3' of fences, bldgs lights, etc.	6
42363	Linden	14.7	Prune to remove dead, diseased, broken branches greater than 2" in diameter. Raise to provide 12- over ground, 2-3' of fences, bldgs, lights, etc.	4
42371	Linden	21.3	Prune to remove dead, diseased, broken branches greater than 2" in diameter. Raise to provide 12- over ground, 2-3' of fences, bldgs, lights, etc.	5