



Accredited Tree Care by Certified Arborists

Malik Drayton
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February 15, 2023
Proposal #: 65960

Job Site: 17
Malik Drayton
IFB 23-26 Parks Tree Health Program
Glen Park
Capuano Field
Somerville, MA 02145

Phone:
Email:
Alt Phone:

Tree and Shrub Care Recommendations on 1/28/2023

Description of Services

- Work Plan for Glen Park/Capuano Field, Pruning/Removal Feb, 2023. Soil Work April 2023.

Park will need to be closed from 7AM- 4PM Monday March 6 and Tuesday March 7. We schedule detail and post permits as needed on public streets.

- Pruning on 40 Mature deciduous Shade trees throughout the park. individual tree specs listed on the attached spreadsheet.

Structural Pruning - Selective pruning to improve branch architecture; select, develop and maintain strong, properly spaced scaffold branches by reducing or removing interfering, overextended, defective and poorly attached limbs as specified

Canopy Cleaning - Selective pruning to remove declining, dead and broken branches as specified

Canopy Raising - Selective pruning to provide and envelope of clearance of walkways, roadways, utilities, structures, as specified.



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.



Tree and Shrub Care Recommendations on 1/28/2023

Description of Services

- **12.1" diameter declining Ash (#42407) and 15.7" Ash (#42415) with trunk decay at the northwest corner of the community Garden area, near intersection of Glen and Oliver St.**

Tree Removal & Stump Grinding - Take down, dispose of brush, logs and chipped debris generated from removal operations. Grind stump and exposed flare deep for replant; backfill and remove excess grinding debris. Machine will grind up to 4-6" from adjacent immobile objects. We will not remove other inorganic debris, nor are we responsible for damage to unmarked irrigation and underground non-utility services.

- **Select Young/Maturing trees along the Central Pathway:**

Root Crown Excavation - Utilize air excavation tools to decompact root zone, remove soil, organic matter and mulch to expose root flare; inspect and evaluate area for girdling roots, decay, etc.

- **Select Young/Maturing trees along the Central Pathway:**

Compost addition - mix compost into top layer of air excavated soil.

- **Select Young/Maturing trees along the Central Pathway:**

Root Pruning: prune visible girdling roots smaller than 2" in diameter, etc.

- **Select Young/Maturing trees along the Central Pathway:**

Mulch: Add mulch rings

- **Select Young/Maturing trees along the Central Pathway and East End:**

Bio-stimulant Application - Early season. Treat soils within the critical root zone (typically within the dripline) with an organic liquid blend of humic acids, kelp extract and natural compounds to enhance soil structure, microbial activity and nutrient availability.

- **Posting No Parking Permits.**



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Tree and Shrub Care Recommendations on 1/28/2023

Description of Services

- Police Detail

[Redacted]

- **Debris Disposal:** Costs include removal and disposal of brush, logs and chipped debris generated from tree care operations.

[Redacted]

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

Alden Johnson
Certified Arborist



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Site ID	Species	DBH	Park	TRAQ	Recommendations	Prune	Unit cost
42329	oak: northern red (Quercus rubra)	21.4	GLEN PARK & CAPUANO/JAMES MCCARTHY FIELD	Low	Prune to remove deadwood 2" and larger. 3 hrs	█	█
42354	honeylocust: thornless (Gleditsia triacanthos inermis)	7	GLEN PARK & CAPUANO/JAMES MCCARTHY FIELD	Low	Prune to remove deadwood 2" and larger. Raise 4-6' off signs, structures, 8' off ground. 1 hrs	█	█
42359	honeylocust: thornless (Gleditsia triacanthos inermis)	6.3	GLEN PARK & CAPUANO/JAMES MCCARTHY FIELD	Low	Prune to remove deadwood 2" and larger. Raise 4-6' off signs, structures, 8' off ground. 1 hrs	█	█
42365	crabapple: flowering (Malus spp.)	5.6	GLEN PARK & CAPUANO/JAMES MCCARTHY FIELD	Low	Prune to remove deadwood 2" and larger. Raise 4-6' off signs, structures, 8' off ground. 2 hrs	█	█
42366	honeylocust: thornless (Gleditsia triacanthos inermis)	7.1	GLEN PARK & CAPUANO/JAMES MCCARTHY FIELD	Low	Prune to remove deadwood 2" and larger. Raise 4-6' off signs, structures, 8' off ground. 1 hrs	█	█
42369	honeylocust: thornless (Gleditsia triacanthos inermis)	3.9	GLEN PARK & CAPUANO/JAMES MCCARTHY FIELD	Low	YTPP	█	█
42373	buckthorn: common (Rhamnus cathartica)	2.3	GLEN PARK & CAPUANO/JAMES MCCARTHY FIELD	Low	none	█	█
42377	honeylocust: thornless (Gleditsia triacanthos inermis)	7.3	GLEN PARK & CAPUANO/JAMES MCCARTHY FIELD	Low	Prune to remove deadwood 2" and larger. Raise 4-6' off signs, structures, 8' off ground. 1 hrs	█	█

42380	honeylocust: thornless (Gleditsia triacanthos inermis)	12.5	GLEN PARK & CAPUANO/JAMES MCCARTHY FIELD	Low	Prune to remove deadwood 2" and larger. Raise 4-6' off signs, structures, 8' off ground. 5 hrs		
42381	ash: green (Fraxinus pennsylvanica)	24.5	GLEN PARK & CAPUANO/JAMES MCCARTHY FIELD	Low	Prune to remove dead, diseased, broken branches greater than 3" in diameter. Prune to raise 14-16' off the street Inspect canopy for EAB damage. 3hrs		
42383	honeylocust: thornless (Gleditsia triacanthos inermis)	8.4	GLEN PARK & CAPUANO/JAMES MCCARTHY FIELD	Low	Prune to remove deadwood 2" and larger. Raise 4-6' off signs, structures, 8' off ground. 3 hrs		
42384	ash: green (Fraxinus pennsylvanica)	18.7	GLEN PARK & CAPUANO/JAMES MCCARTHY FIELD	Low	Prune to remove dead, diseased, broken branches greater than 3" in diameter. Prune to raise 14-16' off the street Inspect canopy for EAB damage. 4hrs		
42387	oak: pin (Quercus palustris)	8.6	GLEN PARK & CAPUANO/JAMES MCCARTHY FIELD	Low	Prune to fix stubs, remove strom damaged, bent limb. .5 hrs		
42390	honeylocust: thornless (Gleditsia triacanthos inermis)	6.8	GLEN PARK & CAPUANO/JAMES MCCARTHY FIELD	Low	Prune to remove deadwood 2" and larger. Raise 4-6' off signs, structures, 8' off ground. 1 hrs		
42391	oak: pin (Quercus palustris)	8.7	GLEN PARK & CAPUANO/JAMES MCCARTHY FIELD	Low	Prune to fix low stubs, raise 5-7' off buidling, 8-10' off ground. 2 hrs		
42396	honeylocust: thornless (Gleditsia triacanthos inermis)	5.6	GLEN PARK & CAPUANO/JAMES MCCARTHY FIELD	Low	Prune to remove deadwood 2" and larger. Raise 4-6' off signs, structures, 8' off ground. 1 hrs		
42397	oak: pin (Quercus palustris)	7.8	GLEN PARK & CAPUANO/JAMES MCCARTHY FIELD	Low	Prune to fix low stubs, raise 5-7' off buidling, 8-10' off ground. 2 hrs		

42400	ash: green (Fraxinus pennsylvanica)	17.6	GLEN PARK & CAPUANO/JAMES MCCARTHY FIELD	Low	Prune to remove dead, diseased, broken branches greater than 3" in diameter. Prune to raise 14-16' off the street Inspect canopy for EAB damage. 4hrs		
42404	honeylocust: thornless (Gleditsia triacanthos inermis)	6.2	GLEN PARK & CAPUANO/JAMES MCCARTHY FIELD	Low	Prune to remove deadwood 2" and larger. Raise 4-6' off signs, structures, 8' off ground. 1 hrs		
42405	oak: pin (Quercus palustris)	9.4	GLEN PARK & CAPUANO/JAMES MCCARTHY FIELD	Low	fix low stubs. Raise canopy to 8' off ground. 1 hrs		
gspade	ash: green (Fraxinus pennsylvanica)	12.1	GLEN PARK & CAPUANO/JAMES MCCARTHY FIELD	Moderate	Declining. Remove, grind stump		
42412	honeylocust: thornless (Gleditsia triacanthos inermis)	6.8	GLEN PARK & CAPUANO/JAMES MCCARTHY FIELD	Low	Prune to remove deadwood 2" and larger. Raise 4-6' off signs, structures, 8' off ground. 1 hrs		
42413	oak: pin (Quercus palustris)	6.3	GLEN PARK & CAPUANO/JAMES MCCARTHY FIELD	Low	fix low stubs. Raise canopy to 8' off ground. .5 hrs		
42415	ash: green (Fraxinus pennsylvanica)	15.7	GLEN PARK & CAPUANO/JAMES MCCARTHY FIELD	Moderate	decay/fruting bodies visible on lower trunk. Remove, grind stump		
42420	crabapple: flowering (Malus spp.)	7.3	GLEN PARK & CAPUANO/JAMES MCCARTHY FIELD	Low	Prune to remove deadwood 2" and larger. Raise 4-6' off signs, structures, 8' off ground. 2 hrs		
42422	dogwood: Kousa (Cornus kousa)	6	GLEN PARK & CAPUANO/JAMES MCCARTHY FIELD	Low	Prune to remove deadwood, improve structure. .5hrs		
42425	crabapple: flowering (Malus spp.)	7.7	GLEN PARK & CAPUANO/JAMES MCCARTHY FIELD	Low	Prune to remove deadwood 2" and larger. Raise 4-6' off signs, structures, 8' off ground. 2 hrs		

42428	ash: green (Fraxinus pennsylvanica)	27.3	GLEN PARK & CAPUANO/JAMES MCCARTHY FIELD	Low	Prune to remove dead, diseased, broken branches greater than 3" in diameter. Inspect canopy for EAB damage. 5hrs		
42429	crabapple: flowering (Malus spp.)	8.9	GLEN PARK & CAPUANO/JAMES MCCARTHY FIELD	Low	Prune to remove deadwood 2" and larger. Raise 4-6' off signs, structures, 8' off ground. 2 hrs		
42433	magnolia: saucer (Magnolia x soulangiana)	2.8	GLEN PARK & CAPUANO/JAMES MCCARTHY FIELD	Low	YTPP		
42436	ash: green (Fraxinus pennsylvanica)	28.1	GLEN PARK & CAPUANO/JAMES MCCARTHY FIELD	Low	Prune to remove deadwood 2" and larger. Raise 4-6' off signs lights, structures, 8' off ground. Sever vines growing onto fence 6 hrs		
42442	crabapple: flowering (Malus spp.)	7	GLEN PARK & CAPUANO/JAMES MCCARTHY FIELD	Low	Prune to remove deadwood 2" and larger. Raise 4-6' off signs, structures, 8' off ground. 2 hrs		
42444	maple: red (Acer rubrum)	9.7	GLEN PARK & CAPUANO/JAMES MCCARTHY FIELD	Low	Prune to improve structure, thin. Raise 8' off ground, 4-6' off the fence. Airspade and root prune. 3 hrs		
42449	hornbeam: European (Carpinus betulus)	2.8	GLEN PARK & CAPUANO/JAMES MCCARTHY FIELD	Low	YTPP. Airspade and root prune		
42452	maple: red (Acer rubrum)	2.1	GLEN PARK & CAPUANO/JAMES MCCARTHY FIELD	Low	YTPP. Airspade and root prune		
42457	hornbeam: European (Carpinus betulus)	2.7	GLEN PARK & CAPUANO/JAMES MCCARTHY FIELD	Low	YTPP. Airspade and root prune		
42460	maple: red (Acer rubrum)	2.1	GLEN PARK & CAPUANO/JAMES MCCARTHY FIELD	Low	YTPP. Airspade and root prune		

42463	dogwood: flowering (Cornus florida)	2.7	GLEN PARK & CAPUANO/JAMES MCCARTHY FIELD	Low	YTPP. Aispade and root prune		
42468	crabapple: flowering (Malus spp.)	1.9	GLEN PARK & CAPUANO/JAMES MCCARTHY FIELD	Low	YTPP. Aispade and root prune		
42474	crabapple: flowering (Malus spp.)	5.3	GLEN PARK & CAPUANO/JAMES MCCARTHY FIELD	Low	none. In fence.		
44369	pear: callery (Pyrus calleryana)	8	GLEN PARK & CAPUANO/JAMES MCCARTHY FIELD	Low	Prune to improve structure, raise 8' off ground. 2hrs		
42326	maple: red (Acer rubrum)	8.9	GLEN PARK & CAPUANO/JAMES MCCARTHY FIELD	Low	Prune to improve structure, thin. Raise 8' off ground, 4-6' off the fence. Airspade and root prune. 3 hrs		
42327	crabapple: flowering (Malus spp.)	2	GLEN PARK & CAPUANO/JAMES MCCARTHY FIELD	Low	YTPP. Aispade and root prune		
42331	magnolia: star (Magnolia stellata)	2.2	GLEN PARK & CAPUANO/JAMES MCCARTHY FIELD	Low	yttp		
42332	zelkova: Japanese (Zelkova serrata)	4.3	GLEN PARK & CAPUANO/JAMES MCCARTHY FIELD	Low	YTPP. Aispade and root prune		
42333	ash: green (Fraxinus pennsylvanica)	13.9	GLEN PARK & CAPUANO/JAMES MCCARTHY FIELD	Low	Prune to remove dead, disesed, broken branches greater than 3" in diameter. Prune to raise 14-16' off the street Inspect canopy for EAB damage. 3hrs		
42336	honeylocust: thornless (Gleditsia triacanthos inermis)	7.2	GLEN PARK & CAPUANO/JAMES MCCARTHY FIELD	Low	Prune to remove deadwood 2" and larger. Raise 4-6' off signs, structures, 8' off ground. 1 hrs		

42337	pear: callery (Pyrus calleryana)	10.3	GLEN PARK & CAPUANO/JAMES MCCARTHY FIELD	Low	Prune to improve structure, raise 8' off ground. 3hrs		
42338	magnolia: star (Magnolia stellata)	2.5	GLEN PARK & CAPUANO/JAMES MCCARTHY FIELD	Low	YTTP		
42342	honeylocust: thornless (Gleditsia triacanthos inermis)	8.3	GLEN PARK & CAPUANO/JAMES MCCARTHY FIELD	Low	Prune to remove deadwood 2" and larger. Raise 4-6' off signs, structures, 8' off ground. 1 hrs		
42345	maple: Norway (Acer platanoides)	2	GLEN PARK & CAPUANO/JAMES MCCARTHY FIELD	Low	YTTP		
42347	pear: callery (Pyrus calleryana)	9.9	GLEN PARK & CAPUANO/JAMES MCCARTHY FIELD	Low	Prune to improve structure, raise 8' off ground. 3hrs		
42351	tuliptree (Liriodendron tulipifera)	3.4	GLEN PARK & CAPUANO/JAMES MCCARTHY FIELD	Low	YTTP		
42445	maple: red (Acer rubrum)	6.7	GLEN PARK & CAPUANO/JAMES MCCARTHY FIELD	Low	Prune to improve structure, raise 8' off ground. 1hrs		
42453	maple: red (Acer rubrum)	5.9	GLEN PARK & CAPUANO/JAMES MCCARTHY FIELD	Low	Prune to improve structure, raise 8' off ground. 1hrs		
42464	maple: red (Acer rubrum)	5.3	GLEN PARK & CAPUANO/JAMES MCCARTHY FIELD	Low	Prune to improve structure, raise 8' off ground. 1hrs		
42437	maple: red (Acer rubrum)	5.4	GLEN PARK & CAPUANO/JAMES MCCARTHY FIELD	Low	Prune to improve structure, raise 8' off ground. 1hrs		

42478	mulberry: white (Morus alba)	7	GLEN PARK & CAPUANO/JAMES MCCARTHY FIELD	Low	Weed in fence. Prune to top of fence. 1 hr		
44370	dogwood: Kousa (Cornus kousa)	5.2	GLEN PARK & CAPUANO/JAMES MCCARTHY FIELD	Low	YTTP		

Total Pruning
and removals

3 days, large crew. School vacation

Pruning
Removals
Root prune 10
trees
Airspade
1500ft sq
Biostim 3000ft
sq
compost
1500ft sq

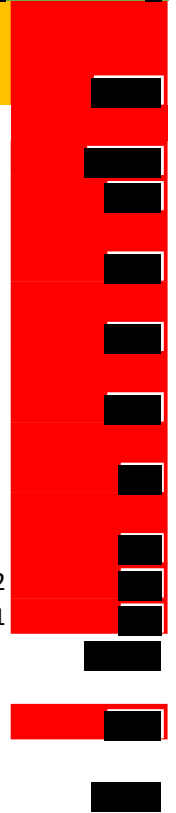
10 mulch rings
detail
permits

82.5 hrs
2 trees
10 trees
1500ft Sq
3000ft Sq
1500ft Sq
10 trees
2
1

PARK TOTAL WORK

reports

Grand Total



Soil Test Report

Prepared For:

Sonia Vivas
Barrett Tree Service East Inc
340 Middlesex Ave
Medford, MA 02155

svivas@barrettreeseast.com
617-616-5281

Sample Information:

Sample ID: H7173

Order Number: 64152

Lab Number: S230221-104

Area Sampled:

Received: 2/21/2023




Reported: 3/3/2023

Results

<i>Analysis</i>	<i>Value Found</i>	<i>Optimum Range</i>	<i>Analysis</i>	<i>Value Found</i>	<i>Optimum Range</i>
Soil pH (1:1, H ₂ O)	5.9		Cation Exch. Capacity, meq/100g	9.2	
Modified Morgan extractable, ppm			Exch. Acidity, meq/100g	4.9	
<i>Macronutrients</i>			Base Saturation, %		
Phosphorus (P)	3.0	4-14	Calcium Base Saturation	38	50-80
Potassium (K)	99	100-160	Magnesium Base Saturation	5	10-30
Calcium (Ca)	694	1000-1500	Potassium Base Saturation	3	2.0-7.0
Magnesium (Mg)	61	50-120	Scoop Density, g/cc	1.14	
Sulfur (S)	7.9	>10	Optional tests		
<i>Micronutrients *</i>			Soil Organic Matter (LOI), %	3.1	
Boron (B)	0.1	0.1-0.5			
Manganese (Mn)	2.2	1.1-6.3			
Zinc (Zn)	5.0	1.0-7.6			
Copper (Cu)	0.6	0.3-0.6			
Iron (Fe)	12.8	2.7-9.4			
Aluminum (Al)	67	<75			
Lead (Pb)	7.1	<22			

* Micronutrient deficiencies rarely occur in New England soils; therefore, an Optimum Range has never been defined. Values provided represent the normal range found in soils and are for reference only.

Soil Test Interpretation

Nutrient	Very Low	Low	Optimum	Above Optimum
Phosphorus (P):				
Potassium (K):				
Calcium (Ca):				
Magnesium (Mg):				

Recommendations for Deciduous Trees, Shrubs & Vines-Maintenance

Limestone (Target pH of 6.0)	Nitrogen, N	Phosphorus, P2O5	Potassium, K2O
0	.1 - .2	0.25	0.25

Comments:

*To supply Nitrogen, apply EITHER 1 - 1.5 lbs. Dried Blood (12-0-0) OR 0.2 - 0.4 lbs. Urea (45-0-0) per 100 square feet. Application should be split between early spring and mid-June.

*To supply Phosphorus, apply EITHER 2.1 lbs. Bone Meal (4-12-0) OR 0.6 lb. Triple Phosphate (0-45-0) per 100 square feet.

*To supply Potassium, apply 0.4 lbs. Potash (0-0-60) per 100 square feet.

-For instructions on converting nutrient recommendations to fertilizer applications in home gardens and landscapes, see Reference "Step-by-Step Fertilizer Guide for Home Grounds and Gardening" (listed below).

-The organic matter in this soil is lower than desired for most woody ornamentals. Maintain a 2 to 4 inch organic mulch on soil surface.

-The lead level in this soil is less than 22 ppm, which falls below the listed optimum level. However, many variables affect this result, and safety thresholds vary by location and soil use. There is still a potential risk of lead exposure for soils used for growing food or as play areas for children. Our Total Sorbed Metals test provides an accurate measurement of soil lead. For more information about lead levels in soil, see the fact sheet entitled "Soil Lead: Testing, Interpretation, & Recommendations," listed under General References at the end of this report. ATTN: The Total Sorbed Metals Test is currently unavailable. We apologize for any inconvenience.

References:

Home Lawn and Garden Information

<http://ag.umass.edu/resources/home-lawn-garden>

Step-by-Step Fertilizer Guide for Home Grounds and Gardening

<https://ag.umass.edu/SPNTL-4>

General References:

Interpreting Your Soil Test Results

<http://soiltest.umass.edu/fact-sheets/interpreting-your-soil-test-results>

Soil Lead: Testing, Interpretation & Recommendations

<http://ag.umass.edu/soil-plant-nutrient-testing-laboratory/fact-sheets/soil-lead-fact-sheet>

For current information and order forms, please visit

<http://soiltest.umass.edu/>

UMass Extension Nutrient Management

<http://ag.umass.edu/agriculture-resources/nutrient-management>