



60 Union St. Medford, MA 02155
617-616-5281

2/11/2016

Dan Blumberg and Davida Flynn
WT Rich Company, Inc.
29 Crafts Street, Suite 300
Newton, MA 02458

Work site:
King Open School
850 Cambridge Street
Cambridge, MA 02139

Dan and Davida–

Please find enclosed the tree inventory for the King Open School based on my site visit on 2/1/2016, when I performed a visual inspection from the ground of the trees on the site. I have also included my recommendations for preservation on the Sycamore Maple in front.

Please let me know if you have any questions or recommendations for changes/updates.

Sincerely,

Trumbull Barrett

Preservation recommendations for the 72” diameter American Sycamore (*Platanus occidentalis*) in the center front of 850 Cambridge Street, Cambridge, MA:

Site Preparation:

1. Install the Jersey barriers with a fence on top as planned around the perimeter of the drip edge to establish the Tree Protection Area. Install a locked gate to limit access to the Area.
2. Post signage on the fencing at 15 foot intervals indicating: “Tree Protection Area – Entry Prohibited”
3. All entry to the Tree Protection Area must be approved by the Arborist
4. Excavate a trench around the inside perimeter of the Jersey barriers and prune the roots so that no live roots extend out of the Protection Area.
5. Perform a soil test in the Protection Area to establish a base line for soil amendments.
6. Install a drip or “soaker hose” type irrigation system capable of delivering approximately 2,100 gallons of water per week (see below for details).
7. Install a 2-3” layer of age composted wood chip mulch over the hoses to maintain soil moisture, regulate soil temperature and improve the growing conditions for fine roots.

Site Maintenance:

1. Monthly inspections by a Certified Arborist to determine any changes to the management plan.
2. Apply two soil amendments per year based on the soil test results.
3. Two to four additional plant health care visits per year as determined by the Arborist during the monthly site visits.
4. Water to mimic 1” of rainfall per week. 1” of rain over the Protection Area (approx. 3400 square feet) is approximately 2,100 gallons of water, so based on a given week’s rainfall, adjust the amount of watering accordingly to allow for this amount of water. If it rains over 1” in a given week, there is no need for watering. There is also no need for watering during the dormant season (depends on the weather, but usually mid-December – mid-March).
5. No cutting/excavation in the Protection Area, whether by machine or by hand, unless directed in person by the Arborist. If digging must be performed, it must be done by hand under direct supervision by the Arborist or the Landscape Architect. Digging shall be done using compressed air to minimize damage to the root systems.

Tree inventory for the King Open School

850 Cambridge St

Cambridge, MA 02139

Performed 2/1/2016 by Trumbull Barrett, Massachusetts Certified Arborist #2465

Results are from a visual inspection, from the ground.

Note this does not include the trees in the inner courtyard; no access to the area

Condition: 1=poor

2=fair

3=good

DBH: Diameter (in inches) at chest height

Tree #: a * indicates a tree not on the "Partial Existing Conditions Plan" dated 5/14/2015

Starting at the northeast corner of the current baseball field, by the backstop, going clockwise around the site:

Tree #	DBH	Name	Condition	Notes
1	6	<i>Koelreuteria paniculata</i>	3	
2	6	<i>Koelreuteria paniculata</i>	3	
3	6	<i>Koelreuteria paniculata</i>	3	
4	6	<i>Koelreuteria paniculata</i>	2	Restricted root system
5	8	<i>Koelreuteria paniculata</i>	3	
6	8	<i>Koelreuteria paniculata</i>	3	
7	6	<i>Koelreuteria paniculata</i>	1	Restricted root system; poor structure
8	6	<i>Koelreuteria paniculata</i>	2	Poor structure
9	18	<i>Gleditsia triacanthos</i>	1	Restricted root system; dieback in upper crown
10	15	<i>Gleditsia triacanthos</i>	2	Restricted root system; dieback in upper crown
11	15	<i>Gleditsia triacanthos</i>	2	Restricted root system; dieback in upper crown
12	6	<i>Acer rubrum</i>	3	
13	6	<i>Acer rubrum</i>	2	Poor structure
14	8	<i>Acer rubrum</i>	2	Next to a pole (bad site); poor structure
15	8	<i>Acer rubrum</i>	3	
16	8	<i>Platanus x acerifolia</i>	2	Poor structure
17	6	<i>Platanus x acerifolia</i>	2	Poor structure
18	12	<i>Platanus x acerifolia</i>	3	
19	12	<i>Platanus x acerifolia</i>	3	

20	12	<i>Platanus x acerifolia</i>	2	Restricted root system
21	2	<i>Platanus x acerifolia</i>	1	Girdled by straps to stakes
22	8	<i>Liquidambar styraciflua</i>	1	Scarring on trunk
23	10	<i>Liquidambar styraciflua</i>	2	Girdling roots
24	6	<i>Acer rubrum</i>	1	Scarring on trunk
25	6	<i>Syringa reticulata</i>	2	Restricted root system; scarring on trunk
26	6	<i>Acer rubrum</i>	2	Restricted root system; scarring on trunk
27	6	<i>Acer rubrum</i>	2	Restricted root system; scarring on trunk
28	12	<i>Tilia cordata</i>	2	Poor structure
29	15	<i>Tilia cordata</i>	2	Poor structure
30	15	<i>Tilia cordata</i>	2	Poor structure
31	6	<i>Acer rubrum</i>	2	Restricted root system; poor structure
32	12	<i>Acer rubrum</i>	2	Restricted root system; poor structure
33	6	<i>Acer rubrum</i>	2	Poor structure
34	24	<i>Acer saccharum</i>	1	Restricted root system; significant dieback in upper crown
35	20	<i>Acer rubrum</i>	2	Poor structure
36	6	<i>Acer pseudoplatanus</i>	1	Restricted root system; scarring on trunk (street tree)
37	15	<i>Gleditsia triacanthos</i>	2	Poor site, small growth increments (street tree along Willow St)
38	19	<i>Gleditsia triacanthos</i>	2	Poor site, small growth increments (street tree along Willow St)
39	18	<i>Gleditsia triacanthos</i>	2	Poor site, small growth increments (street tree along Willow St)
40	20	<i>Gleditsia triacanthos</i>	2	Poor site, small growth increments (street tree along Willow St)
*41		<i>Euonymus alatus</i>	3	(5) 8' tall plants. Not on plan. On northwest corner of current building.
42	dbl(4,4)	<i>Amelanchier canadensis</i>	2	Scarring on trunk
43	8	<i>Amelanchier canadensis</i>	3	
44	10	<i>Amelanchier canadensis</i>	3	
45	24	<i>Acer platanoides</i>	2	Restricted root system; close to sidewalk/street
46		<i>Lonicera spp.</i>	2	(4) 15' tall plants. Poor structure
47	8	<i>Malus spp.</i>	2	Poor structure
*48		<i>Malus spp.</i>	2	(4) 15' tall multi-stemmed plants. Not on plan. Poor structure.
49	72	<i>Platanus occidentalis</i>	3	
50	10	<i>Malus spp.</i>	2	Restricted root system; poor structure
51	24	<i>Malus spp.</i>	2	Restricted root system; decay in main stem
52		<i>Lonicera spp.</i>	2	(14) 12' tall multi-stemmed plants. Poor structure.
53	12	<i>Malus spp.</i>	1	Decay in main stem; storm damage

54	8	<i>Pinus flexilis</i>	3
55	dbl(8,8)	<i>Magnolia spp.</i>	2 Poor main union
56	10	<i>Acer rubrum</i>	2 Poor shape/structure
57	dbl(10,10)	<i>Acer platanoides</i>	2 Decay at base; poor structure
58	dbl(8,8)	<i>Acer platanoides</i>	2 Decay at base; poor structure
59	12	<i>Acer platanoides</i>	2 Decay at base; poor structure
60	3 stem(6,10,10)	<i>Acer platanoides</i>	2 Poor shape/structure
61	18	<i>Acer platanoides</i>	1 No top; poor site; significant dieback
62	6	<i>Gleditsia triacanthos</i>	3
63	6	<i>Gleditsia triacanthos</i>	3
64	5	<i>Gleditsia triacanthos</i>	2 Small growth increments
65	6	<i>Gleditsia triacanthos</i>	2 Poor site, small growth increments
66	3 stem(5,5,4)	<i>Betula nigra</i>	3
67	6	<i>Acer rubrum</i>	2 Restricted root system (street tree along Berkshire Street)
68	4	<i>Gleditsia triacanthos</i>	3
69	4 stem(3,4,6,6)	<i>Betula nigra</i>	2 Poor structure: competing stems
70	3 stem(4,5,5)	<i>Betula nigra</i>	2 Poor structure: competing stems
71	4 stem(6,4,5,5)	<i>Betula nigra</i>	2 Poor structure: competing stems
*72	dbl(2,3)	<i>Acer griseum</i>	2 Damaged by poor pruning. Not on plan
73	8	<i>Gleditsia triacanthos</i>	3
74	6	<i>Gleditsia triacanthos</i>	3
75	10	<i>old stump</i>	Old stump (was a street tree along Berkshire Street)
76	12	<i>Acer platanoides</i>	2 Restricted root system; dieback (street tree along Berkshire Street)
77	12	<i>Acer platanoides</i>	2 No root flare, decay in trunk (street tree along Berkshire Street)
78	10	<i>Acer platanoides</i>	1 No top; poor site; significant dieback; no root flare (street tree)
79	24	<i>Tilia cordata</i>	2 Poor structure



60 UNION ST, MEDFORD, MA 02155
(617) 616-5281

W. T. Rich Company, Inc.
29 Crafts St
Suite 300
Newton, MA 02458

Home: Fax: 617-467-6011
Mobile: Office: 617-467-6010
e-mail: sroman@wtrich.com
Alt e-mail: jrich@wtrich.com

February 11, 2016

Proposal #: 19357

Job Site:
King Open School
WT Rich site contact: Dan Blumberg
850 Cambridge St
Cambridge, MA 02139

Phone: 978-828-4839
Email: dblumberg@wtrich.com

Work Examined on 2/1/2016:

- 72" diameter American Sycamore in the center front:

2,035.00

Crown Raising - Selective pruning to provide 3-4' of clearance off the side of the current building. This clearance will include reducing all limbs back so that nothing is over the roof, or within 3-4' of the building. Includes removing the lowest, 16" diameter limb that goes over the building.

Also raise over Cambridge Street by removing the first 8" diameter lateral over the street, the cut is back to a 14" diameter upright.

Please refer to the attached for some recommendations for preservation during construction.

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.

1 ½% per month, 18% per year on unpaid balances.

Work Examined on 2/1/2016:

- **24" diameter Linden by the southeast corner of the existing building (along Berkshire Street):**

Crown Raising - Selective pruning to provide a 4-6' envelope of clearance from the future telephone pole site, and to provide clearance for the equipment needed to install the pole. Note that this pruning will likely include several larger diameter cuts (between 6 and 12" diameter), resulting in a somewhat unsightly tree.

- **10" diameter street Norway Maple on Berkshire Street (has no top) just north of the Linden listed above:**

Tree Removal - Take down and remove, cut stump as low as equipment allows; dispose of bulk wood and chipped debris.

Note that this tree has lost its top, likely due to the restricted root system as evidenced by the lack of a root flare.

- Price includes permits and fees associated with the City to do the work over the street.

Requires W.T. Rich to obtain permission from the City of Cambridge to perform the projects listed above.

		Total:	\$2,035.00
Deposit Required:	\$0.00	Deposit Received:	\$0.00

Payment due upon completion of work to:
Barrett Tree Service East, Inc.
60 Union St.
Medford, MA 02155

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

Trumbull Barrett