

June 29, 2022

6 Bryn Mawr Road

Town Of Wellesley

To whom it may concern,

I, Kray A. Small, Massachusetts Certified Arborist, License # 1797, have been retained by Bruno, of Daltos Construction, to develop a tree protection plan for a property located at 6 Bryn Mawr Road, in Wellesley, MA. The property is zoned SRD 10 and has a total of 6 trees within the Tree Yard that have a DBH of 10 inches.

All trees within the tree yard, 6 inches in DBH and greater, are located and numbered logically on engineer's print provided by HS&T Group Inc., Professional Civil Engineers, and Land Surveyors, of 75 Hammond Street, Worcester, MA 01610

The trees in the Tree Yard are identified as the following:

1. ***Acer rubrum*** (Red Maple) this tree is in poor condition and health. The root plate has grown entirely around the base of the central leader. This is referred to as a girdling root. The roots choke off the stem and restrict water and nutrient translocation throughout the tree. DBH was measured 4'6" from grade.

DBH: 13"

CRZ: 19' **Planned Removal** PROTECTED TREE (See Mitigation Plan)

Height: 50'

Health: Poor

Drip Line: 15'

The CRZ of this plant will not be protected.

2. ***Acer rubrum*** (Red Maple) this tree is in poor condition and health. Other than a distinct northerly lean, the tree is healthy. DBH was measured 4'6" from grade.

DBH: 11"

CRZ: 16' **Planned Removal** PROTECTED TREE (See Mitigation Plan)

Height: 50'

Health: Poor

Drip Line: 12'

The CRZ of this plant will not be protected.

3. ***Prunus serotina*** (American Black Cherry) this tree is in good condition and health. DBH was measured 1' from grade due to low branching.

DBH: 36"

CRZ: 54' PROTECTED TREE (See Mitigation Plan)

Height: 65'

Health: Good

Drip Line: 20'

The CRZ of this plant shall be protected by a chain link fence at least 4' in height and staked at least every 8'. The protected area will semi-circumvent the stem and extend 7'.

4. ***Acer platanoides*** (Norway Maple) this tree is in good condition and health. DBH was measured 4'6" from grade.

DBH: 24"

CRZ: 36' **PROTECTED TREE (See Mitigation Plan)**

Height: 70'

Health: Good

Drip Line: 18'

The CRZ of this plant shall be protected by a chain link fence at least 4' in height and staked at least every 8'. The protected area will semi-circumvent the stem and extend 7'.

5. ***Acer platanoides*** (Norway Maple) this tree is in good condition and health. DBH was measured 4'6" from grade.

DBH: 22"

CRZ: 33' **PROTECTED TREE (See Mitigation Plan)**

Height: 70'

Health: Good

Drip Line: 15'

The CRZ of this plant shall be protected by a chain link fence at least 4' in height and staked at least every 8'. The protected area will semi-circumvent the stem and extend 7'.

6. ***Acer platanoides*** (Norway Maple) this tree is in good condition and health. DBH was measured 4'6" from grade.

DBH: 24"

CRZ: 36' **PROTECTED TREE (See Mitigation Plan)**

Height: 70'

Health: Good

Drip Line: 18'

The CRZ of this plant shall be protected by a chain link fence at least 4' in height and staked at least every 8'. The protected area will semi-circumvent the stem and extend 7'.

Mitigation Plan of Protected trees within the Tree Yard:

Trees #3 thru #6; will have the CRZ reduced, and the protection barrier will be installed as discussed under plant identification. The reduction is needed for excavation of existing foundation, grade change, and material storage. During trenching, mitigation will be that the roots of the plant be properly pruned, a tattered or torn root will have a clean cut applied to repair them, thus allowing for better healing and root growth. This mitigation should be performed by a Massachusetts Certified Arborist, while the trench is still open and just before backfilling. Back fill can be parent material. Deep root fertilization will be required once final grade has been established.

All other trees are either outside the scope of construction or will be removed.

Planned Removals to be Mitigated:

Trees #1 and #2 - *Acer rubrum* (Red Maple) is a planned removal.

A total of DBH to be mitigated for is as follows:

Tree #1	13"
Tree #2	11"
Total DBH	24 inches

Mitigation will be done using the replacement method; 24 inches. **A total of 24 inches of caliper will need to be replanted.** Suggested trees to mitigate with for the removal of the protected trees are, but not limited to: *Picea abies* (Norway Spruce), *Picea pungens* (Colorado Spruce), *Picea omorika* (Serbian Spruce), *Thuja plicata* (Western Red Cedar), *Pinus cembra* (Swiss Stone Pine), *Pinus paviflora* (Japanese White Pine), *Pinus strobus* (Eastern White Pine), *Tsuga canadensis* (Canadian Hemlock) or *Acer saccharum* (Sugar Maple), *Acer rubrum* (Red Maple), *Fagus spp.* (any variety of Beech), *Quercus spp.* (Any variety of Oak), *Tilia spp.* (Any variety of Basswood), *Nyssa sylvatica* (Common Tupelo), or *Liquidambar styraciflua* (Sweet Gum).

NOTE: Locations and species of trees to be planted will be spotted on engineers' print.

Hazard Trees to be Removed Within the Tree Yard:

There are no dead trees, however trees #1 and #2 are being removed and mitigated for because of there're unhealthy disposition.

If any questions arise, I may be reached by telephone at 508-328-4214 and by email ksmall4214@charter.net any other correspondence can be mailed to Kray Small P.O. Box 163, Woodville, MA 01784.

Respectively Submitted,

Kray A. Small, Massachusetts Certified Arborist #1797