

Effective July 1, 2011

## SECTION XVII TREE PROTECTION & PRESERVATION

### A. TITLE.

Section XVII may be cited as the “Town of Wellesley Tree Bylaw” and/or “Tree Bylaw”.

### B. INTENT AND PURPOSE.

The intent of Section XVII is to encourage the preservation and protection of sizeable trees on portions of private property during significant demolition and/or development activity.

Trees are recognized for their abilities to improve air quality, protect from glare and heat, reduce noise, aid in the stabilization of soil, provide natural flood and drainage control, create habitats for wildlife, enhance aesthetics and property values, contribute to the distinct character of certain neighborhoods, and provide natural privacy to neighbors. Therefore, the Town deems that the preservation and protection of certain trees on private property, the requirement to replant trees to replace those removed, and the collection of financial contributions to support the Town’s tree planting and maintenance efforts are public purposes that protect the public health, welfare, environment and aesthetics.

### C. DEFINITIONS.

For the purposes of Section XVII, the following definitions shall apply.

Caliper - Diameter of a tree trunk (in inches). For trees up to and including four (4) inches in diameter, the caliper is measured six (6) inches above the existing grade at the base of the tree. For trees larger than four (4) inches in diameter, the caliper is measured twelve (12) inches above the existing grade at the base of the tree.

Certified Arborist – A professional arborist possessing current certification issued by the International Society of Arboriculture (I.S.A.) and/or the Massachusetts Arborist Association (M.A.A.).

Critical Root Zone (CRZ) - The minimum area beneath the canopy of a tree which must be left undisturbed in order to preserve a sufficient root mass to give a tree a reasonable chance of survival. The CRZ is represented by a concentric circle centering on the tree's trunk and extending outward towards the tree's drip-line. The minimum area of the CRZ shall be dependent on the required minimum radius of the CRZ; the required minimum radius of the CRZ shall be determined by multiplying a tree's DBH (in inches) by eighteen (18) inches, with the resulting product constituting the minimum radius of the CRZ. EXAMPLE: A tree with a

DBH of twenty (20) inches shall have a CRZ with a minimum radius of 360 inches or 30 feet (20" x 18" = 360" or 30').

Diameter at Breast Height (DBH) - The standard measure of tree size for those trees existing on a site that are at least four (4) inches in diameter at a height of four and one-half (4.5) feet above the existing grade at the base of the tree. If a tree splits into multiple trunks below four and one-half (4.5) feet above the existing grade, the DBH shall be considered to be the measurement taken at the narrowest point beneath the split.

Drip-Line - The area surrounding the tree from the trunk to the outermost branches. This area is distinguished from, and not to be confused with Critical Root Zone.

Overstory Tree - A tree that will generally reach a mature height of greater than forty (40) feet.

Protected Tree - Any existing tree or tree that was removed within twelve (12) months prior to application for an applicable demolition or building permit, with a DBH of ten (10) inches or greater, located in a Tree Yard of a property zoned Single Residence District or General Residence District, or located anywhere on property zoned other than Single Residence District or General Residence District. Any tree with a DBH of ten (10) inches or greater with portions of the stem of the tree actively growing into a Tree Yard between a height of six (6) inches and four and one-half (4.5) feet above grade shall be considered a Protected Tree.

Tree - Any self-supporting, woody perennial plant usually having a single trunk with a diameter of three (3) inches or more which normally attains a mature height of six (6) feet or greater.

Tree Bank - An account established for the deposit of contributions in lieu of tree replanting as required by Section XVIIE. Funds deposited in this account shall be used solely for the purpose of buying, planting and maintaining trees in the Town.

Tree Protection & Mitigation Plan - A plan submitted to the Building Department for review prior to the commencement of demolition and/or construction on a property on which a Protected Tree is located. This plan may be either part of a landscape plan and/or a separate plan.

Tree Removal - Any act that causes a tree to die or will cause a tree to die within a three (3) year period as determined by the Department of Public Works - Park & Tree Division based on arboricultural practices recommended by the International Society of Arboriculture (I.S.A.).

Tree Save Area - The area surrounding a tree which includes at a minimum the Critical Root Zone ("CRZ") and Drip-Line of all Protected Trees, unless otherwise authorized herein. The Tree Save Area must be enclosed within a fence and remain undisturbed so as to prevent damage to the tree.

Tree Yard - The area of a parcel zoned Single Residence District or General Residence District located adjacent to all front, side, and rear lines of a lot; Tree Yards shall have a minimum depth as specified in the table entitled "Location of Protected Trees on Property Zoned Single Residence District or General Residence District", contained in subsection F.1. of Section XVIIE. Trees having a DBH of ten (10) inches or greater and located within a Tree Yard shall be considered to be Protected Trees.

D. APPLICABILITY.

1. Applicability: The requirements of Section XVIIE shall apply under any of the following circumstances:
  - a. Proposed demolition of an existing structure with a footprint of 250 square feet or greater;
  - b. Construction of retaining walls subject to the requirements of Section XXIID., Retaining Walls;
  - c. Construction of any building or structure on a vacant lot; or
  - d. Construction of one or more structures or additions to structures on a lot, where the total area of the footprint of the new structures will result in an increase of 50% or more of the total footprint of the pre-existing structure(s).
2. Non-applicability: The requirements of Section XVIIE shall not apply to:
  - a. The subdivision of land under the Subdivision Control Law and the Rules and Regulations Governing the Subdivision of Land In Wellesley Massachusetts, wherein the Planning Board regulates the planting, retention and/or replacement of trees, by means of the Board's authority over the subdivision of land;
  - b. Construction subject to Large House Review, wherein the Planning Board regulates the planting, retention and/or replacement of trees located on private residential land;
  - c. Those areas of property under the jurisdiction of the Wetlands Protection Act (Chapter 131 and 310 CMR), wherein the Wetlands Protection Committee regulates the retention and/or replacement of trees located on

private land. Protected trees located outside areas under the jurisdiction of the Wetlands Protection Committee shall be subject to Section XVIE;

- d. Town-owned public trees, including trees that are considered to be Public Shade Trees pursuant to M.G.L. Chapter 87, which are protected by the Natural Resources Commission acting as the Town's Tree Warden.
  - e. Emergency projects necessary for public safety, health and welfare as determined by the Inspector of Buildings;
  - f. Trees that are hazardous as determined and confirmed in writing by a Certified Arborist; and
  - g. Trees subject to an immediate and/or probable risk of disease or insect infestation, as determined and confirmed in writing by a Certified Arborist.
3. Existing Encroachments: For the purposes of interpreting, administering, and enforcing Section XVIE and Section XVII, Pre-Existing Non-Conforming Uses, Structures and Lots, an existing structure shall not be considered to be a nonconforming structure solely because the structure, or a portion of the structure, is located within the CRZ and/or Drip-Line of an existing Protected Tree. The reconstruction of demolished structures or portions of structures within the previously encroached area of the CRZ and/or Drip-Line shall be prohibited, except when consistent with the requirements of Section XVIE.

E. TOWN OF WELLESLEY TREE BANK.

There is hereby established a Town of Wellesley Tree Bank ("Tree Bank") which shall be held by the Town Treasurer in an account administered by the Department of Public Works - Park & Tree Division in accordance with applicable provisions of the General Laws. Any contributions collected per subsection F.2.b.ii. of Section XVIE shall be deposited in said Tree Bank, and shall be used solely for the purpose of buying, planting and maintaining trees in the Town.

F. PROTECTED TREES.

1. Scope: Existing trees or trees that were removed within twelve (12) months prior to application for an applicable demolition or building permit with a DBH of 10" or greater and located within the minimum Tree Yard of a property zoned Single Residence District or General Residence District as identified in the following table, shall be considered to be Protected Trees.

Existing trees or trees that were removed within twelve (12) months prior to application for an applicable demolition or building permit with a DBH of 10" or greater and located anywhere on property zoned other than Single Residence

District or General Residence District, shall be considered to be Protected Trees.

Demolition and/or construction activity (as identified under subsection D.1. of Section XVII E) on a property on which a Protected Tree is located is prohibited unless authorized by the Inspector of Buildings as set forth in this subsection.

<b>Location of Protected Trees on Property Zoned Single Residence District or General Residence District</b>			
Zoning District	Minimum Tree Yard (feet)		
	Front	Side	Rear
SRD 10	20	10	10
SRD 15	20	20	20
SRD 20	20	20	20
SRD 30	40	30	30
SRD 40	40	40	40
General Residence District	20	10	10

2. Tree Protection & Mitigation:

- a. Protection: Each Protected Tree to be retained on property planned for demolition and/or construction activity shall be protected by the establishment of a Tree Save Area. The Tree Save Area shall be delineated within the submitted Tree Protection & Mitigation Plan, shall be installed prior to the issuance of applicable permits, and shall remain in place until work is completed on the property. The applicant shall submit written documentation, prepared, stamped, dated and signed by a Certified Arborist, to the Building Department confirming that the required Tree Save Area identified in the Tree Protection & Mitigation Plan has been installed.

An applicant may choose to encroach within the CRZ and/or Drip-Line of a Protected Tree; however, such proposed action shall require the applicant to submit a maintenance plan for the tree, to be prepared, stamped, dated and signed by a Certified Arborist as part of the Tree Protection & Mitigation Plan. Under these instances, the Tree Save Area may be reduced to protect only those areas of the CRZ and/or Drip-Line not proposed for encroachment.

- b. Mitigation: The removal of a Protected Tree from a property in connection with one or more of the circumstances set forth in subsection D.1. shall require mitigation by satisfying one of the following provisions (i. *Replanting of Trees* or ii. *Contribution to the Town of Wellesley Tree Bank*). Mitigation measures shall be identified in the submitted Tree Protection and Mitigation Plan. The removal or proposed removal of a Protected Tree(s) that has been mitigated for, in conjunction with a previous applicable permit, shall not require additional mitigation under subsequent permits, unless such mitigation has not been completed or otherwise assured.
- i. *Replanting of Trees*: For each inch of DBH of the tree(s) removed no less than one-half (0.5) inch of caliper of new tree(s) shall be replanted in accordance with the following:
1. Each new tree must have a minimum caliper of two (2) inches;
  2. Such replanting, either on the applicant's land or on land abutting the applicant's land with the express written approval of the owner of such abutting land, shall occur prior to Final Inspection, or be otherwise assured at such time to the satisfaction of the Town in a manner consistent with the Rules and Regulations;
  3. If the Protected Tree to be removed is an Overstory Tree species, the replacement tree(s) to mitigate the removal shall be an Overstory Tree species; and
  4. Invasive tree species, as determined by the Department of Public Works - Park & Tree Division, shall not be replanted to mitigate the removal of a Protected Tree.
- ii. *Contribution to the Town of Wellesley Tree Bank*: The Board of Selectmen shall establish a Tree Bank contribution schedule, such schedule to be based on the DBH of Protected Tree(s) to be removed. The schedule may take into account the aggregate DBH of Protected Trees to be removed. The applicant shall make such contribution to the Tree Bank for the removal of a Protected Tree not already mitigated for per subsection F.2.b.i.; contributions shall be received by the Building Department prior to the issuance of all applicable permits.

3. Plan Review and Permit Issuance:

- a. Tree Protection & Mitigation Plan Submittal: Prior to the issuance of a permit in connection with one or more of the circumstances set forth in subsection D.1. on property on which a Protected Tree is located or was located within twelve (12) months prior to application, the owner of the

property shall submit a Tree Protection & Mitigation Plan to the Building Department along with the applicable application.

If a permit requiring the submittal of a Tree Protection & Mitigation Plan was issued for a property within twelve (12) months prior to application for one or more of the circumstances set forth in subsection D.1., the submittal of a Tree Protection & Mitigation Plan shall not be required for subsequent permits unless any information required under subsection F.3.b. is changed or altered.

- b. Tree Protection & Mitigation Plan Requirements: The submitted Tree Protection & Mitigation Plan shall be a to-scale survey or site plan, along with any accompanying documentation, containing information prepared, stamped, dated and signed by an individual(s) appropriately licensed and authorized by the State of Massachusetts to attest to and certify such information, unless a specific certification is referenced herein. The plan shall include, but not be limited to, the following information:
  - i. Boundaries of the subject property, including all property lines, easements, and right-of-ways of public and private ways;
  - ii. The location of all existing buildings, driveways, retaining walls and other improvements, with an indication of those features to be retained or removed/demolished;
  - iii. The location of all planned buildings, driveways, retaining walls and other improvements;
  - iv. The location, height, DBH, and species of all existing Protected Trees and all Protected Trees that were removed within twelve (12) months prior to application for an applicable demolition or building permit, with an indication of those Protected Trees to be removed and those to be retained, if applicable;
  - v. The CRZ, drip-line and location of the Tree Save Area shall be shown for all Protected Trees to be retained;
  - vi. The location, caliper, species, and planting schedule of trees to be replanted to mitigate the removal of a Protected Tree(s), if applicable;
  - vii. A maintenance plan prepared, stamped, dated and signed by a Certified Arborist for all Protected Trees which are proposed to have encroachment within the CRZ and/or drip-line, if applicable;
  - viii. The amount to be contributed to the Tree Bank to mitigate the removal of a Protected Tree(s), if applicable; and

- ix. Such other information as is required by the Inspector of Buildings pursuant to applicable regulations.
  - c. Tree Bank Contribution: In lieu of replanting, if applicable, the owner of the property shall submit any required contribution to the Tree Bank as mitigation for the removal of a protected tree.
  - d. Building Department Action: If the Tree Protection & Mitigation Plan is consistent with the protection and mitigation requirements contained herein and any established rules, regulations or manuals, and any applicable Tree Bank contribution has been submitted, the Building Department may issue any applicable permit. If the proposal does not meet or satisfy these requirements, the Building Department shall deny all applicable permit applications and so notify the applicant.
4. Maintenance of Protected and Replanted Trees:
- a. Protected Trees: Each Protected Tree retained shall be maintained in good health for a period of no less than twenty-four (24) months from the date of Final Inspection, or issuance of a Certificate of Occupancy if applicable. Should such tree die within this twenty-four (24) month period, the owner of the property shall be required to provide mitigation consistent with the requirements for the removal of a Protected Tree as contained herein within nine (9) months from the death of the original tree.
  - b. Replanted Trees: All new trees replanted to mitigate the removal of Protected Tree(s) shall be maintained in good health for a period of no less than twenty-four (24) months from the date of planting. Should such tree die within this twenty-four (24) month period, the owner of the property shall be responsible for replacing the tree with a tree equal to or greater than the size of the original replacement tree at the time of planting; such tree shall be planted within nine (9) months of the death of the original replacement tree.

#### G. RULES AND REGULATIONS.

The Planning Board may promulgate or amend Rules and Regulations which pertain to the administration of Section XVIIE, and shall file a copy of said rules in the office of the Town Clerk. Such rules may prescribe the size, form, contents, style, and number of copies of plans and specifications, the procedure for the submission and approval of such plans, the procedure for determining final compliance with these regulations, and the criteria and procedure regarding the Planning Board's acceptance of sureties (i.e., bonds, letters of credit, etc.) intended to satisfy the requirements of subsection F., 2., b., i. of Section XVIIE, so long as the Rules and Regulations conform to Section XVIIE of the Zoning Bylaw.



The adoption or amendment of Rules and Regulations shall be after a public hearing to receive comments on the proposed or amended Rules and Regulations. The public hearing shall be advertised once in a newspaper of general local circulation, at least 14 days prior to the date of the public hearing.

Approved:

---

Date

---

Moderator's Signature

---

Sponsor's Signature