

**TOWN OF AJAX**  
**DESIGN CRITERIA**

**SECTION G**  
**STREET TREE PLANTING**

**G 1.00    GENERAL REQUIREMENTS**

**G 1.01    STREET TREES**

The Developer shall be responsible to carry out the planting of street trees within all road allowances of the development in accordance with the requirements of Planning and Development Services. Street trees shall be planted on both sides of all rights-of-way within the development.

**G 1.02    DRAWINGS AND SPECIFICATIONS**

Landscape plans and specifications shall be prepared by a Landscape Architect on behalf of the Developer, and submitted to Planning and Development Services for approval. The landscape plans shall show the proposed treatment of boulevards, parklands, and all other dedicated lands, as well as school sites. The Developer shall carry out the work detailed in the landscape plans and specifications concurrently with the development of adjacent lands to the satisfaction of the Town.

The Landscape plans shall show the proposed treatment of all boulevard areas within the development and shall be produced in conjunction with utility coordination plans. The Landscape plan must be in conformity with the approved grading plan for the development in order that the storm water management plan not be negatively affected.

The Landscape plans shall show a plant list with a key system, consisting of full botanical name and common name of the tree, quantity, caliper, height, spread, condition, and special remarks. The plans shall also show the latest Town Standard planting detail.

**G 1.03    RELATED PLANTING WORKS**

Where deemed necessary by the Planning and Development Services, the Developer will be required to plant a screening of suitable trees adjacent to the rear and flankage property boundaries of lands abutting collector and arterial classes of road. The screen planting shall be installed within the affected property beyond the streetline of the right-of-way. The design of screen plantings shall be depicted on the Landscape plan for review and approval by the Town. The conditions of maintenance and acceptance of street trees shall also apply to any screen plantings within the development.

**G 2.00    LOCATIONS AND SETTING OUT**

**G 2.01    SPACINGS**

In general street trees shall be planted at a rate of one tree per dwelling and spaced as is appropriate for the ultimate size of the species being installed. Spacings shall not be less than 8 metres nor greater than 15 metres with the standard spacing being a typical of 12 metres where applicable. Corner lots may require one tree on the frontage and more than one tree on the flankage to conform to the above spacing requirements.

**G 2.02    OTHER FRONTAGES**

Park, School, Commercial, Industrial, Institutional and Multi-family flankage and reverse-lot residential frontages shall be planted at spacings in accordance with those listed in item G2.01. The installation of street trees in these locations may be delayed at the discretion of the Town.

### **G 2.03 INTERSECTIONS**

Trees shall be planted no closer than 17.5 metres to any traffic control sign and no closer than 15 metres to any non-signed intersection (measured from the intersecting road centrelines).

### **G 2.04 SERVICES**

Street trees shall be planted in the appropriate location as depicted in the standard road cross-sections for the Town of Ajax. No tree shall be planted directly above an underground service and tree species of an appropriate size at maturity are to be planted in areas directly beneath overhead wires.

Street trees shall be planted with:

- minimum 1.0 metre offset from overhead utilities.
- minimum 1.5 metre offset from water hydrants.
- minimum 3.0 metres offset from the opening side of hydro transformer; minimum 1.5 metre offset from the other side.
- minimum 5.0 metres offset from streetlight (for large shade trees); minimum 3.0 metres offset from streetlight (for small ornamental flowering trees). Refer to Section G 3.00 for species selection.
- minimum 2.0 metres offset for mailboxes.
- minimum 1.0 metre offset for all other street furniture.
- minimum 1.5 metre offset from curbs.
- minimum 1.5 metre offset from driveways (for large shade trees); minimum 1.0 metre offset from driveways (for small ornamental flowering trees). Refer to G3.00 for species selection.

### **G 3.00 SPECIES SELECTION**

The selection of trees to be planted shall be made from those species which are of suitable hardiness for the Ajax area and which are commonly acceptable for use in municipal tree planting programs in Southern Ontario. Boulevard trees should be native or ornamental varieties which display adequate environmental tolerance and disease resistance as well as appropriate ultimate size for streetscape applications.

Tree species recommended for use in the Town of Ajax include (but are not limited to) the following varieties:

#### **Shade Trees:**

- Freemani Maple - varieties
- Sugar Maple - varieties
- Red Maple - varieties
- Silver Maple - varieties
- Turkish Hazel
- Common Hackberry
- London Plane
- Ironwood/Hop Hornbeam
- Homestead Elm
- Honeylocust - thornless varieties

- Oak - tolerant varieties
- Ginkgo - varieties
- Linden - little-leaf varieties
- Zelkova - varieties

**Ornamental Flowering Trees:**

- Ornamental Pears
- Mountain Ash - varieties
- Crabapple - fruitless and small fruiting varieties
- Tree Lilacs
- Serviceberry - tree form

No more than 8 street trees with the same species shall be planted within a street (unless the groupings of trees are far enough from each other with sufficient distance apart).

**G 4.00    SUPPLY AND QUALITY**

All trees for boulevard planting shall be No.1 grade, nursery-grown stock of a grade and quality conforming to the horticultural standards and grown under proper cultural practices as adopted by the Canadian Nursery Trades Association.

Trees shall be sound, healthy and well-branched, free of disease and insects, and shall possess all the characteristics of the specified species. Leaders shall be straight and intact, and stems and trunks shall be free of sun scalds, frost cracks, abrasions, and other damages.

Trees shall be 70 mm caliper and supplied balled and burlapped with rootballs containing at least 75% of the fibrous roots. Rootballs shall conform to the size specifications for Nursery Stock of the Canadian Nursery Trades Association.

Trees shall be grown and supplied by nurseries within the same (or hardier) hardiness zone, and where possible grown in similar soil conditions as the project site.

Trees are to be planted within 3 days of delivery to the site or 'heeled-in' in a manner and location acceptable to the Town when site circumstances render immediate planting impractical. All trees shall be supported using two wooden, 50 mm x 50 mm stakes per tree, and tied with non-marking straps or ties. All supports have to remain in place for a minimum of one year and shall be removed by the developer unless otherwise directed by Town staff.

**G 5.00    EXECUTION OF WORK**

**G 5.01    COMMENCEMENT**

All trees are to be planted during the dormant season in unfrozen soil and at least one year prior to final acceptance of the subdivision by the Town of Ajax. Some varieties of trees are recommended for Spring planting only. Planting work is to be carried out during periods suitable with respect to climatic condition and accepted horticultural practice for the species being installed, and to the approval of Town.

Tree planting works are not to be initiated prior to on-site verification and acceptance of locations by the Planning and Development Services. Work is not to be initiated until boulevard grading

and sodding is completed and is to be completed within six months of the finishing of boulevard works.

Prior to installation, a stakeout of street tree locations is to be undertaken by the developer for the review and approval of the Town. The developer shall ensure all underground utilities (existing and proposed) are staked out prior to the tree stakeout. The Town may redistribute tree locations, prior to planting, in order to minimize conflicts with utilities, driveways and intersection visibility.

#### **G 5.02 INSTALLATION**

Street trees are to be planted in strict accordance to the details and specifications of the Planning and Development Services.

#### **G 5.03 MAINTENANCE**

Maintenance shall include all measures necessary to establish and maintain all plants in an acceptable, vigorous and healthy condition including cultivating, weeding, watering when required, pruning and maintenance of all accessories.

Street trees are to be planted in strict accordance to the details and specifications of the Planning and Development Services, Design Services Standard Drawing Details.

#### **G 6.00 FINAL ACCEPTANCE**

Street trees shall be guaranteed as to their health and vigour until Final Assumption of the subdivision or phase thereof. An inspection of street trees and the replacement of any dead, dying, or substandard trees are to be carried out in good time prior to the anticipated date of assumption.