

**APPENDIX A
ACCEPTABLE TREE SPECIES LIST**

The Township of Uxbridge reserves the right to alter this list at any time

Township of Uxbridge
March 2009

SUMMARY TABLE – SEE APPENDING TABLES FOR DESCRIPTIONS AND LIMITATIONS

ACCEPTABLE STREET TREES	
Native Deciduous Trees	Non-Native Deciduous Trees
Acer rubrum (Red Maple)	Acer campestre (Hedge Maple)
Acer saccharum (Sugar Maple)	Acer x freemanii (Autumn Blaze Maple)
Celtis occidentalis (Hackberry)	Corylus colurna (Turkish Hazel)
Gymnocladus dioica (Kentucky Coffee Tree)	Ginkgo biloba (Maidenhair Tree)
Quercus macrocarpa (Bur Oak)	Gleditsia triacanthos ssp. (Honeylocust)
Quercus palustris (Pin Oak)	Phellodendron amurense (Amur Corktree)
Quercus rubra (Red Oak)	Quercus robur 'Fastigiata' (Pyramidal English Oak)
Tilia Americana (Basswood)	Sorbus aucuparia (Mountain Ash)
Ulmus Americana (American Elm)	Tilia cordata (Little Leaf Linden)
	Ulmus spp. (Elm)
ACCEPTABLE OVERHEAD WIRE STREET TREES	
Native Deciduous Trees	Non-Native Deciduous Trees
Amelanchier canadensis Std. (Serviceberry Tree Form)	Acer ginnala Std. (Amur Maple Tree Form)
Comus racemosa Std. (Gray Dogwood Tree Form)	Acer tataricum (Tatarian Maple)
	Crataegus crus-galli 'inermis' (Thornless Cockspur Hawthorn)
	Malus spp. (Crabapple varieties)
	Prunus spp. (Ornamental Cherry)
	Pyrus calleryana (Ornamental Pear)
	Syringa reticulata 'Ivory Silk' (Ivory Silk Tree Lilac)

ACCEPTABLE SITE PLAN TREES (Including Street Trees)	
Native Deciduous Trees	Non-Native Deciduous Trees
Aesculus glabra (Ohio Buckeye)	Aesculus hippocastanum (Horse Chestnut)
Acer saccharinum (Silver Maple)	Non-Native Coniferous Trees
Alnus incana (Speckled Alder)	Abies concolor (Silver Fir)
Betula papyrifera (Paper Birch)	Juniperus spp. (Juniper)
Carpinus caroliniana (Blue Beech)	Picea abies (Norway Spruce)
Ostrya virginiana (Ironwood)	Picea pungens (Colorado Spruce)
Populus spp. (Poplar/Aspen)	Taxus spp. (Yew)
Juglans cinerea (Butternut)	
Juglans nigra (Black Walnut)	
Liriodendron tulipifera (Tulip Tree)	
Native Coniferous Trees	
Juniperus virginiana (Eastern Red Cedar)	
Larix laricina (Tamarack)	
Picea glauca (White Spruce)	
Pinus resinosa (Red Pine)	
Pinus strobus (White Pine)	
Thuja occidentalis (White Cedar)	
Tsuga Canadensis (Hemlock)	

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Native Deciduous Trees					
<i>Aesculus glabra</i>	Ohio Buckeye	Hardy. Fragrant flowers.	12m	N*	Low branching. Fruit litter. Leaf scorch and leaf drop.
<i>Acer rubrum</i>	Red Maple	Fall colour. Transplants well. Hardy cultivars.	15m	N/W/S*	Spring planting. Prefers moist acidic soil.
<i>Acer saccharinum</i>	Silver Maple	Fast growing. Very hardy.	18m	N*	Aggressive roots. Requires large space. Increased liability with age. Spring planting.
<i>Acer saccharum</i>	Sugar Maple	Fall colour. Hardy cultivars.	20m	N/S*	Requires large root space. Prefers good drainage. Not tolerant of high heat, pollution or road salt.
<i>Alnus incana</i>	Speckled Alder	Attracts birds.	18m	N/W*	Spring planting.
<i>Amelanchier Canadensis</i> (Std.)	Serviceberry (Tree Form)	Flowers and edible fruit. Transplants easily.	8m	S/N/W	Susceptible to defoliation. Prefers wet sites.
<i>Betula papyrifera</i>	Paper Birch	Attractive bark. Hardy. Fast growing when young.	13m	N	Prefers spring planting. Not tolerant of pollution. Bronze birch borer threat in mature trees
<i>Carpinus caroliniana</i>	Blue Beech	Withstands shade.	9m	N/W	Slow growth rate. Difficult to transplant.
<i>Celtis occidentalis</i>	Hackberry	Very hardy. Interesting bark.	20m	S	Dense shade. Surface and girdling roots. Pruning for witches' broom. Spring planting.
<i>Cornus racemosa</i> (Std.)	Gray Dogwood (Tree Form)	Flowers and edible fruit.	5m	S/H/N	Low branches can block drivers view.
<i>Gymnocladus dioicus</i>	Kentucky Coffee Tree	Deep furrowed bark. Open spreading. Drought and pollution tolerant.	16m	S*	Litter potential from large fruit pods and leaves. Native to southwestern Ontario.

Location Codes:

H – under overhead wires, B - buffer planting/screening, S – streetscape tolerance, N – natural areas, W – requires moist soils
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Juglans cinerea	Butternut	Prefers moist rich soils. Slow growing. Nut fruit. Prefers moist fertile soil.	16m		Species at risk in Ontario. Threat of fungal butternut canker disease which most trees in Ontario are reported to be infected with and approx. 1/3 have been killed by. Messy fruit.
Juglans nigra	Black Walnut	Edible nut. Prefers moist, well-drained soil. Valuable wood.	18m		Fruit can be messy.
Liriodendron tulipifera	Tulip Tree	Prefers deep moist fertile soil. Fast growing.	25m		Not tolerant of hot, dry conditions. Needs large space.
Ostrya virginiana	Ironwood	Slow growing. Does well in deep shade.	12m	N*	Trunk suckering and borer problems. Spring planting.
Populus spp.	Poplar/Trembling Aspen	Attractive bark and leaves. Rapid growth.	15-25m	N*	Weak wood. Invasive potential.
Quercus macrocarpa	Bur Oak	Very hardy. Corky bark. Wide range of soil.	20m	S/N	Prefers acidic soil. Difficult to transplant. Requires large spaces. Spring planting.
Quercus palustris	Pin Oak	Fall colour.	18m	S/N	Prefers acidic soil. Difficult to transplant. Slow growing. Spring planting.
Quercus rubra	Red Oak	Fast growing oak. Fall colour.	18m	S/N	Not tolerant of high pH and drought. Difficult to transplant. Spring planting.
Tilia Americana	Basswood	Varieties for form and urban tolerance	20m	S/N*	Requires large areas. Suckers from base. Limited use.
Viburnum lentago (Std.)	Nannyberry (Tree Form)	Flowers and edible fruit.	6m	S/H/N	Low branches block drivers view.
Ulmus americana	American Elm	Found in wetlands. Vase shape form. Soil salt tolerant.	17m	W/S*	Susceptible to Dutch Elm Disease. Bacterial wetwood, cankers and leaf problems common.

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Native Coniferous Trees					
Abies balsamea	Balsam Fir	Shade tolerant. Slender conical shape and fine texture.	20m	B	Not tolerant of drought or heat.
Juniperus virginiana	Eastern Red Cedar	Mass planting and wind breaks. Little maintenance required.	12m	N/B	Alternate host to cedar apple rust. Insect and blight problems.
Larix laricina	Tamarack	Small cones.	20m	N/W	Needles drop in fall.
Picea glauca	White Spruce	Very hardy. Specimen or mass planting.	25m	B	Susceptible to winter dehydration.
Pinus resinosa	Red Pine	Very hardy. Mass planting. Little maintenance required.	20m	B	Low wide branching. Not tolerant of wind or salt.
Pinus strobus	White Pine	Dense canopy. Fine texture. Fast growing.	25m	B	Requires large space.
Thuja occidentalis	White Cedar	Hedging and wind breaks	15m	B/W	Weak wood. Susceptible to salt and air pollution.
Tsuga Canadensis	Hemlock	Prefers cool, moist environment. Fine texture.	20m	W/*	Not tolerant of pollution, salt or drought.
Non-Native Deciduous Trees					
Aesculus hippocastanum	Horse Chestnut	Large white flowers and chestnuts.	18m		Requires large areas. Leaf scorch and blotch in hot dry locations. Messy fruit.
Acer campestre	Hedge Maple	Corky bark. Upright branching.	10m	S/H	Tends to sucker.
Acer x freemanii	Autumn Blaze Maple	Cross between red and silver maple. Fast growing. Fall colour.	16m	S	Shallow root system. Thin bark. Moderate salt tolerance.

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<i>Acer ginnala</i> (Std.)	Amur Maple (Tree Form)	Hardy. Round form. Fall colour.	6m	S/H	Tends to sucker. Lots of seeds.
<i>Acer tataricum</i>	Tatarian Maple	Oval form. Dry soils.	8m	S/H	Tends to sucker. Lots of seeds.
<i>Corylus colurna</i>	Turkish Hazel	Pyramidal form. Dry soils.	14m	S	Spring planting. Difficult to transplant. Low branching block driver's views.
<i>Crataegus crus-galli</i> 'inermis'	Thornless Cockspur Hawthorn	Persistent fruit. Thornless. Drought tolerant.	8m	S/H	Do not plant near apples or pears. Spring planting.
<i>Ginkgo biloba</i>	Maidenhair Tree	Tolerant of drought, salt and high pH	16m	S	Male only – does not bear fruit. Spring planting.
<i>Gleditsia triacanthos</i>	Honeylocust	Tolerant of wet and dry soil, salt and high pH. Filtered shade.	16m	S	Overuse in urban monocultures. Defoliation.
<i>Malus</i> spp.	Crabapple varieties	Flowers and fruit. Leaf colour and form variety.	6-10m	S*	Choose varieties that are resistant to insect and disease. Fruit maintenance.
<i>Phellodendron amurense</i>	Amur Corktree	Fast growing. Broad spreading. Tolerant of many soils, pests, drought and pollution.	12m	S*	Seedless varieties – fruit litter. Invasive tendencies.
<i>Prunus</i> spp.	Ornamental Cherry	Flowers and fruit.	5-10m	S*	Tend to sucker. Choose varieties that are resistant to insect and disease. Susceptible to black knot and cankers. Spring planting.
<i>Pyrus calleryana</i>	Ornamental Pear	Flowers and fall colour.	10m	S*	Tend to sucker. Choose varieties that are resistant to insects and disease. Increased liability with age. Aggressive root system. Spring planting.
<i>Quercus robur</i> 'Fastigiata'	Pyramidal English Oak	Fast growing. Columnar form. Persistent leaves.	15m	S*	Low branching. Spring planting.

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<i>Sorbus aucuparia</i>	Mountain Ash	Flowers and orange berries.	12m	S*	Low branching. Prefers acidic soils. Not tolerant of drought, heat, compacted soil or pollution. Predisposed to disease and pests. Short lived.
<i>Syringa reticulata</i> 'Ivory Silk'	Ivory Silk Tree Lilac	Compact form. Flowers.	7m	S/H	Overuse in urban monocultures. Prefers well drained acidic soil.
<i>Tilia cordata</i>	Little Leaf Linden	Large pyramidal shape	15m	S	Suckers from base. Aphid and borer problems.
<i>Ulmus spp.</i>	Elm	Fast growing.	15-20m	S	Dutch Elm Disease Resistant cultivars. Susceptible to storm damage.
Non-Native Coniferous Trees					
<i>Abies concolor</i>	Silver Fir	Pyramidal form. Easily transplanted.	18m	B	
<i>Juniperus spp.</i>	Juniper	Variety of form and colour.	0.5-5m		Can be messy. Blight.
<i>Picea abies</i>	Norway spruce	Hardy and fast growing.	25m	B	Prefers acidic soil. Large cones.
<i>Picea pungens</i>	Colorado spruce	Extreme hardiness. Colour variety.	20m	B	Susceptible to mites.
<i>Taxus spp.</i>	Yew	Variety of form and colour. Shade tolerant.	1-3m		Slow growing. Not tolerant of wind or drought.

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Botanical Name	Common Name	Species Attributes	Mature Height	Location	Species Limitations
NATIVE SHRUBS					
<i>Arctostaphylos uva ursi</i>	Bearberry	Salt tolerant. Ground cover, broadleaf evergreen.	0.2m	N/S/E	Difficult to establish. Winter burn. Not tolerant of excessive heat.
<i>Alnus incana</i>	Speckled Alder	Attracts wildlife. Can also be tree form.	7m	N/W	
<i>Amelanchier Canadensis</i>	Serviceberry	Multi-stem form. Flowers and fruit.	7m	N/S	
<i>Aronia melanocarpa</i>	Chokeberry	Flowers and fruit. Fall colour. Mass planting.	2m	N/S	Spreads by suckers.
<i>Cephalanthus occidentalis</i>	Buttonbush	Shade and wet tolerant. Flowers.	2m	N/W	Short lived. Can become coarse and require pruning.
<i>Cornus spp.</i>	Dogwood	Variety of size and colour. Flowers and fruit. Adaptable to many soils. Likes moisture.	1.5-3m	N/B/W/S/E	Ornamental varieties. Requires periodic pruning.
<i>Corylus americana</i>	Hazelnut	Fast growing. Well drained soil.	2m	N	Suckering.
<i>Diervilla lonicera</i>	Bush Honeysuckle	Mass planting	1.25	N/B	Dense sprawling. Suckering.
<i>Elaeagnus commutata</i>	Silverberry	Hardy. Drought resistant.	1.75m	N	Suckers and forms colonies.
<i>Hamamelis virginiana</i>	Witch Hazel	Fragrant flowers. Somewhat pollution tolerant.	5m	N/B	Prefers acidic soil.
<i>Ilex verticillata</i>	Winterberry	Red berries. Tolerant of poorly-drained soils. Mass planting.	2m	N/W/B	Suckers and forms large clumps. Prefers moist acidic soils.
<i>Myrica pensylvanica</i>	Bayberry	Erosion control, salt tolerant. Aromatic fruit and foliage. Semi-evergreen	2m	N/S/E	Prefers acidic soils. Suckering.
<i>Physocarpus opulifolius</i>	Ninebark	Thrives in any soil. Flowers. Peeling bark. Ornamental varieties also available	2m	N/B/S	May require pruning.
<i>Prunus spp.</i>	Cherry	Wildlife plantings. Flower and fruit. Drought tolerant. Ornamental and native varieties.	2-5m	N/E	Susceptible to fall webworm and some diseases. Poisonous foliage.

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Rhus spp.	Sumac	Attractive fruit. Fast growing. Adaptable to many soils.	1-4m	N/B/E	Suckers.
Rosa spp.	Rose	Fragrant flowers. Fast growth rate. Salt tolerant.	1.5m	B/S/E	Thorns. Susceptible to various insects and diseases depending on species; ornamental tolerant varieties available.
Rubus odoratus	Flowering Raspberry	Fragrant flowers. Fruit.	2.5-7.5m	N/S	Thorns.
Salix spp.	Willow	Good for wet sites. Fine texture. Fast growing.	5-20m	N/W/B/E	Numerous insect and disease problems. Ice and wind breakage. Suckers. Short lived.
Sambucus Canadensis	Elderberry	White flowers. Edible fruit.	2.5m	N/W	Prefers moist soil.
Symphoricarpos albus	Snowberry	Tolerant of most soils. Tolerates shade.	1.5m	N/E	Spreads by underground suckers.
Viburnum dentatum	Arrowwood	Upright spreading branches. Adaptable to dry and wet soils.	2m	N	Shaded woodland. Suckers from base. May require pruning.
Viburnum lentago	Nannyberry	Adaptable to dry and wet soils. Sun or shade. Edible fruit.	3m	N/S	Open and leggy. Suckers from base.
Viburnum trilobum	American Highbush Cranberry	Good hedge. Prefers well-drained, moist soil.	3m	N/S	Water stress.
NON NATIVE SHRUBS					
Cotoneaster spp.	Cotoneaster	Semi-evergreen. Fast growth rate. Fine texture. Groundcover.	0.5-2m	S/E	May require pruning.
Euonymus alatus	Burning Bush	Slow growth rate. Tolerant of many site conditions.	1.2-2m	S	Overused. Susceptible to Euonymus scale.
Forsythia spp.	Forsythia	Fine texture. Early spring flowers. Adaptable to many soils. Tolerant of urban conditions.	1.5-2.5m	S/E	May outgrow and dominate planting area.
Hydrangea spp.	Hydrangea	Fast growth rate. Coarse texture. Showy flowers. Adaptable to most	1.2-2.5m	S	Poor winter hardiness on some varieties. Powdery mildew.

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Juniperus spp.	Juniper	conditions. Flowers on new wood. Dense evergreen. Spreading and upright forms. Colour varieties. Salt tolerant and adaptable to most conditions.	0.2-4m	S/E*	Juniper blight and spider mite.
Magnolia spp.	Magnolia	Small tree. Multi-trunk or low branching. Moist, fertile soils.	6-12m	*	Susceptible to spring frost, exposed sites and limb breakage.
Philadelphus coronarius	Mock Orange	Fragrant flowers. Prefers fertile, moist, well drained soils.	1-2m	*	Requires pruning.
Picea abies 'nidiformis'	Dwarf Nest Spruce	Low dense evergreen.	1m		Slow growing.
Pinus mugo var.	Mugho Pine	Dwarf evergreen. Mass or specimen planting. Soil tolerance.	1m	S	Size variability. Slow growth rate.
Potentilla fruticosa	Cinquefoil	Slow growth rate. Dense. Yellow flowers. Cold tolerant. Mass planting.	0.5-1m	S	Ornamental colour varieties. Hard to keep tidy.
Ribes spp.	Currant	Adaptable to variety of soils. Tolerates shade.	2m	S	Various insects and disease.
Sorbaria sorbifolia	False spirea	Fast growth rate. Tolerant of harsh conditions. Mass planting.	2m	E*	Profuse suckering.
Spirea spp.	Spirea	Fast growth rate. Well drained soil. Showy flower varieties.	0.5-1.5m	S	Suckers.
Syringa spp.	Lilac	Medium growth rate and texture. Fragrant showy flowers in spring.	2.5-4m	S*	Powdery mildew and various insects. Suckers.
Taxus spp.	Yew	Evergreen. Tall or spreading. Cultivars vary. Slow growth rate. Prefers moist, sandy, acidic soil. Sun or full shade.	1-3m		Susceptible to drought and wind damage. Bright red fruit not edible.

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