

CITY OF AVON LAKE  
750 AVON BELDEN ROAD  
AVON LAKE, OHIO 44012

TELEPHONE: (440) 930-4126

STREET TREE PLANTING PERMIT

PRIOR TO PLANTING TREE ON TREE LAWN, YOU OR THE CONTRACTOR MUST  
CALL OUPS, OHIO UTILITIES PROTECTION SERVICE, AT 1-800-362-2764

DATE OF APPLICATION: \_\_\_\_\_

NAME OF HOMEOWNER: \_\_\_\_\_

ADDRESS:

\_\_\_\_\_

TELEPHONE:

\_\_\_\_\_

\_\_\_\_\_

LOCATION OF TREES BEING PLANTED: FRONT \_\_\_\_\_ SIDE \_\_\_\_\_

LOCATION STAKES IN PLACE: YES \_\_\_\_\_ NO \_\_\_\_\_

COMMON NAME OF TREE: \_\_\_\_\_

SCIENTIFIC/LATIN NAME OF TREE: \_\_\_\_\_

NUMBER OF TREES TO BE PLANTED: \_\_\_\_\_

SIZE OF TREES - D B H: \_\_\_\_\_

NAME OF INSTALLER: \_\_\_\_\_

DATE OF PLANTING: \_\_\_\_\_

APPROVED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

## APPENDIX H: SPECIES RECOMMENDATIONS

This list is provided as a guide to the most appropriate species for parkways in urban situations. There is no single perfect tree; the most successful course is to match the planting site limitations with the right tree for that spot. Each site must be evaluated and possible restrictions of tree species noted. These restrictions include rooting space, soil texture, soil pH, drainage, exposure, overhead wires and surrounding building surfaces.

The trees appearing on this list have different requirements and tolerances. All of these species should do well in the urban forest environment of Avon Lake. Before selecting any particular species or variety, further research should be done to ensure that the site would satisfy the specific requirements of the plant.

Some of the species or cultivars listed here may not be readily available at local nurseries, particularly in calipers large enough for planting in high traffic areas. Tree shelters and staking may provide limited protection. In some cases, it may be necessary to care for them in a City nursery for several years until they reach an appropriate size for establishment in the tree lawns.

SMALL TREES with narrow crowns:

Suitable for tree lawns 3 to 5 feet wide and under wires.

*Amelanchier arborea* — Shadblow Serviceberry  
*Amelanchier laevis* — Allegheny Serviceberry  
*Carpinus betulus* 'Fastigiata' — Pyramidal European Hornbeam  
*Cornus mas* 'Golden Glory' — Cornelian Cherry Dogwood  
*Crataegus laevigata* — English Hawthorn  
*Crataegus phaenopyrum* — Washington Hawthorn  
*Koelreuteria paniculata* — Golden-Rain Tree  
*Laburnum x watereri* — Golden-Chain Tree  
*Malus spp.*<sup>1</sup> — Crabapple (Limited Use)  
*Sorbus aucuparia* — European Mountain Ash  
*Syringa reticulata* 'Ivory Silk' — Ivory Silk Japanese Tree Lilac

SMALL TREES with broad crowns:

Suitable for tree lawns at least 8 feet wide and under wires.

*Acer campestre* — Hedge Maple'  
*Acer ginnala* — Amur Maple'  
*Acer tartarian* — Tartarian Maple'  
*Amelanchier laevis* 'Cumulus' — Cumulus Serviceberry  
*Amelanchier x grandiflora* — Apple Serviceberry  
*Carpinus caroliniana* — American Hornbeam  
*Cercis canadensis* — Redbud  
*Chionanthus virginicus* — Fringetree  
*Cladrastis kentukea* (*lutea*) Yellowwood

<sup>1</sup> Limit use / over-planted genus.

<sup>2</sup> Tolerant of urban conditions.

SMALL TREES with broad crowns (continued):

*Cornus alternifolia* — Pagoda Dogwood  
*Crataegus crus-galli* Cockspur Hawthorn  
*Crataegus punctata* 'Ohio Pioneer' — Ohio Pioneer Hawthorn  
*Crataegus viridis* 'Winter King' — Winter King Hawthorn  
*Halesia carolina* Silverbell  
*Malus spp.*<sup>1</sup>— Crabapple (Limited Use)  
*Sophora japonica* — Japanese Pagoda Tree  
*Prunus sargentii*- Sargent Cherry  
*Prunus virginiana* 'Shubert' — Shubert Chokecherry  
*Syringa reticulata* — Japanese Tree Lilac

MEDIUM TREES:

Suitable for tree lawns 6 to 8 feet wide but not under wires.

*Acer x freemanii* 'Autumn Blaze' — Autumn Blaze Red Maple'  
*Acer xfreemanii* 'Celebration' — Celebration Maple  
*Aesculus glabra* — Ohio Buckeye  
*Betula nigra* 'Heritage' — Heritage River Birch  
*Carpinus betulus* — European Hornbeam  
*Celtis occidentalis* 'Prairie Pride' — Prairie Pride Hackberry  
*Cercidiphyllum japonicum* — Katsura Tree  
*Fagus sylvatica* 'Dawycldi' — Dawyck European Beech  
*Koelreuteria paniculata* — Golden-Rain Tree  
*Nyssa sylvatica* Sourgum  
*Ostrya virginiana* Hophornbeam  
*Quercus robur* 'Fastigiata' — Pyramidal English Oak  
*Quercus robur* 'Wandell' — Attention English Oak  
*Tilia cordata* 'Chancellor' — Chancellor Linden  
*Tilia cordata* 'Corzatzn' — Corinthian Littleleaf Linden  
*Tilia cordata* 'Greenspire' — Greenspire Littleleaf Linden  
*Uhnus* 'Homestead' — Homestead Elm  
*Zelkova serrata* 'Green Vase' — Green Vase Zelkova

LARGE TREES:

Suitable for tree lawns at least 8 feet wide and not under wires.

*Acer platanoides* 'Cleveland' — Cleveland Norway Maple'  
*Acer platanoides* 'Royal Red' — Royal Red Norway Maple  
*Acer platanoides* 'Superform' Superform Norway Maple'  
*Acer rubrum* 'October Glory' — October Glory Red Maple'  
*Acer rubrum* 'Red Sunset' — Red Sunset Red Maple'  
*Acer xfreemanii* 'Autumn Blaze' — Autumn Blaze Freeman Maple'  
*Aesculus x carnea* 'Briotii' — Rubyred Horse Chestnut  
*Fagus grandijlorict* — American Beech  
*Fagus sylvatica* — European Beech.

Limit use / over-planted genus.

<sup>1</sup> Tolerant of urban conditions.

LARGE TREES (continued):

*Fraxinus americana* 'Autumn Applause' — Autumn Applause White Ash  
*Ginkgo biloba* — Ginkgo (male only)  
*Liquidambar styraciflua* 'Morraine' Morraine Sweetgu,m<sup>2</sup>  
*Liriodendron tulipifera* Tuliptree  
*Magnolia acuminata* — Cucumber Magnolia  
*Platanus x acerifolia* 'Bloodgood' — Bloodgood London Plane  
*Platanus x acerifolia* 'Columbia' — Columbia London Plane  
*Platanus x acerifolia* 'Liberty' — Liberty London Plane  
*Quercus alba* — White Oak  
*Quercus bicolor* — Swamp White Oak  
*Quercus coccinea* — Scarlet Oak  
*Quercus ellipsoidalis* — Northern. Pin Oak  
*Quercus marocarpa* — Bur Oak  
*Quercus robur* — English Oak  
*Quercus rubra* — Northern Red Oak  
*Taxodium distichum* — Bald Cypress  
*Tilia americana* 'Redmond' — Redmond Linden  
*Tilia euchlora*- Crimean Linden  
*Tilia plarphyllos* — Bigleaf Linden  
*Tilia tormentosa* — Silver Linden  
*Tilia x europaea* — European Linden  
*Omits parvifolia* 'Emer' — Chinese/Lacebark Elm  
*Ulmus* 'Pioneer' — Pioneer Elm  
*Ulmus* 'Regal' — Regal Elm

UNDESIRABLE STREE PARKWAY TREES

*Acer negundo* — Boxelder  
*Acer saccharinum* — Silver Maple  
*Ailanthus altissima* — Tree of Heaven.  
*Elaeagnus ang,ustifolia* — Russian Olive  
*Fraxinus velutina glabra* — Modesto Ash  
*Ginkgo biloba* (Female) — Female Ginkgo  
*Gleditsia tricanthos* 'Inermis' — Thornless Honeylocust  
*Morus* species — Mulberry  
*Populus alba* — White Poplar  
*Populus dectoides* — Cottonwood  
*Populus nigra* \_ — Lombardy Poplar  
*Salix* species — Willow  
*Ulmus americana* — American Elm  
*Ulmus pumila* — Siberian Elm

Comments:

Aggressive, Shallow roots, Weak wood  
Aggressive, Shallow roots, Weak wood  
Seeds, Suckers, Weak wood  
Form, Disease  
Sidewalk Problems  
Fruits  
Over-Planted Species  
Fruits, Shallow roots  
Suckers, Shallow roots, Weak Wood  
Seeds, Shallow roots, Weak Wood  
Insects, Disease, Short-lived  
Shallow roots, Weak Wood  
Insects, Disease  
Seeds, Weak Wood

Limit use / over-planted genus.  
'Tolerant of urban conditions.

CITY OF AVON LAKE

PLANT SITE REQUIREMENTS

<u>CLEARANCE</u>	<u>SMALL TREES</u>	<u>MEDIUM TREES</u>	<u>LARGE TREES</u>
ON CENTER	25 ft.	35 ft.	40 - 60 ft.
OVERHEAD	30 ft.	30 - 60 ft.	60 ft.
SIDE	20 ft.	20 - 40 ft.	40 ft.
TREE LAWN WIDTH	4 ft.	4 - 8 ft.	5 ft. +
FROM INTERSECTION	35 ft.	35 ft.	35 ft.
VISIBLE UTILITIES	10 ft.	15 ft.	15 ft.
INVISIBLE UTILITIES (GAS, WATER, SEWER) (UNDERGROUND ELECTRIC)	10 ft.	15 ft.	15 ft.
OTHER TREES AND PLANTING SITES	25 ft.	35 ft.	40 - 60 ft.
DRIVEWAYS	10 ft.	20 ft.	25 ft.
MANHOLES, WATER VALVES, AND CURB STOP	10 ft.	20 ft.	25 ft.
OVERHEAD CLEARANCE:			
OVER SIDEWALK	8 ft.	8 ft.	8 ft.
OVER STREET	16 ft.	15 ft.	16 ft.