# STREET TREE STANDARDS

***Community & Economic Development***
**City of Arlington** • 18204 59th Avenue NE • Arlington, WA 98223 • Phone (360) 403 3551

The following City of Arlington standards shall be used to regulate trees in the public right-of-ways, parks and on other public lands.


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|---|---|
| A. Small Narrow Street Trees | G. Open Space Trees |
| B. Medium Narrow Street Trees | H. Native Trees |
| C. Medium Street Trees | I. Drought Resistant Trees |
| D. Large Street Trees | J. Median Plantings |
| E. Boulevard Trees | K. Parking Lot Plantings |
| F. Prohibited Street Trees | |


## Tree Standards

Street trees shall be planted according to the following minimum standards as illustrated in 'Tree Planting Detail'.

| | | |
|---|---|---|
| 1. | Spacing Between Trees: | |
| | a. Small (columnar) | 30 feet |
| | b. Small (spreading) | 30 feet |
| | c. Medium (columnar) | 30 feet |
| | d. Medium (spreading) | 40 feet |
| | e. Large | 45 feet |
| | f. Boulevard | 50 feet |
| | g. Specialty | determined by director |
| 2. | Distance To Curb | 3 feet at planting time |
| 3. | Distance To Parking Lot Pavement Edges | 4 feet at planting time |
| 4. | Distance To Power Pole | 10 feet |
| 5. | Distance To Fire Hydrant | 5 feet |
| 6. | Distance To Water Meter Box | 5 feet |
| 7. | Distance To Residential Driveway | 10 feet |
| 8. | Distance To Street Light | 15 feet |
| 9. | Distance To Commercial Or Industrial Driveway | 15 feet |
| 10. | Distance To Alley Right-Of-Way | 10 feet |
| 11. | Distance To Street Intersection | 30 feet |
| 12. | Distance To Stop Sign | 15 feet |
| 13. | Clearance Over Public Sidewalk | 8 feet |
| 14. | Clearance Over Public Street | 14 feet |

## Acceptable Street Trees

Only those trees which are listed as appropriate for planting as street trees below shall be planted. Where overhead power lines and other cables are present, the size of tree may be otherwise restricted. All street trees shall be single stemmed.

### A.) Small Street Trees

Typically have a crown not exceeding 30 feet tall and a spreading habit. The following trees are considered small street trees and may be allowed with an approved root guard in a planting strip at least 4 feet wide. These are the only trees allowed where there are overhead utility lines.

| | | |
|---|---|---|
| 1. | Autumn Brilliance Serviceberry | amelanchier grandiflora 'Autumn Brilliance' |
| 2. | Eastern Redbud | cercis canadensis |
| 3. | Globe Norway Maple | acer platanoides 'Globosum' |
| 4. | Japanese Maple | acer palmatum |
| 5. | Japanese Snowbell Tree | styrax japonica |
| 6. | Kousa Dogwood | cornus kousa |
| 7. | Japanese Hornbeam | carpinus japonica |
| 8. | Persian Parrotia | parrotia persica |
| 9. | Globe Ash | fraxinus excelsior 'Globosa' |
| 10. | Krauter Vesuvius Flowering Plum | prunus cerasifera 'Krauter Vesuvius' |
| 11. | Thundercloud Flowering Plum | prunus cerisifera 'Thundercloud' |
| 12. | Newport Flowering Plum | prunus cerisifera 'Newport' |
| 13. | Okame Flowering Plum | prunus 'Okame" |
| 14. | Globe Locust | robinia pseudoacacis 'Inermis' |
| 15. | Golden Desert Ash | fraxinus excelsior 'Aureafolia' |
| 16. | American Hornbeam | carpinus caroliniana |
| 17. | Canada Red Chokecherry | prunus virginiana 'Canada Red' |
| 18. | Kwanzan Oriental Cherry | prunus serrulata 'Sekiyama' |
| 19. | Bessoniana Black Locust | robinia pseudoacacia 'Bessoniana' |
| 20. | Paperbark Maple | acer griseum |
| 21. | Cherry Dogwood | cornus mas |
| 22. | Pink Pagoda Hupeh Mountain Ash | sorleus hupehensis 'Pink Pagoda' |

### B.) Small Narrow Street Trees

Typically have a crown not exceeding 30 feet tall and have a narrow growing habit. The following trees are considered small street trees and may be allowed with an approved root guard in a planting strip at least 4 feet wide.

| | | |
|---|---|---|
| 1. | Crimson Sentry Maple | acer platanoides 'Crimson Sentry' |
| 2. | Red Cascade Mountain Ash | sorbus tianshanica |

## C.) Medium Narrow Street Trees

Typically have a crown not exceeding 45 feet tall and have a narrow growing habit. The following may be allowed without an approved root guard in a planting strip at least 7 feet wide and with an approved root guard in a planting strip less than 7 feet wide.

| | | |
|---|---|---|
| 1. | Amanogawa Oriental Cherry | prunus serrulata 'Amanogawa' |
| 2. | Bowhall Red Maple | acer rubrum 'Bowhall' |
| 3. | Capital Callery Pear | pyrus calleryana 'Capital' |
| 4. | Autumn Blaze Callery Pear | pyrus calleryana 'Autumn Blaze' |
| 5. | Columnar Norway Maple | acer platanoides 'Columnare' |
| 6. | Columnar Sargent Cherry | prunus sargenti columnaris |
| 7. | Pyramidal Dawychii Beech | fagus sylvatica 'Dawychii' |
| 8. | Pyramidal Hornbeam | carpinus betulus pyramidalis |
| 9. | Skyrocket English Oak | quercus robur 'Skyrocket' |
| 10. | Fastigiate European Hornbeam | carpinus betulus 'Fastigiata' |
| 11. | Karpick Maple | acer rubrum 'Karpick' |

## D.) Medium Street Trees

Typically have a crown not exceeding 45 feet in height and a spreading habit. The following trees may be allowed without an approved root guard in a planting strip at least 7 feet wide and with an approved root guard in a planting strip less than 7 feet wide.

| | | |
|---|---|---|
| 1. | Aristocrat Callery Pear | pyrus calleryana 'Aristocrat' |
| 2. | Autumn Blaze Callery Pear | pyrus calleryana 'Autumn Blaze' |
| 3. | Chanticleer Callery Pear | pyrus calleryana 'Chanticleer' |
| 4. | Cleveland Select Callery Pear | pyrus calleryana 'Cleveland Select' |
| 5. | Hedge Maple | acer compestre |
| 6. | Little Leaf Linden | tilia cordata 'Green Spire' |
| 7. | Worplesdon Sweetgum | liquidambar styraciflua 'Worplesdon' |
| 8. | American Hiphornbeam | ostrya virginiana |
| 9. | Autumn Flame Red Maple | acer rubrum 'Autumn Flame' |
| 10. | Crimson King Norway Maple | acer platanoides 'Crimson King' |
| 11. | Ginko Tree | ginko biloba (any variety) |
| 12. | European Hornbeam | carpinus betulus |
| 13. | Green Vase Japanese | Zelkova, zelkova serrata 'Green Vase' |
| 14. | Katsura Tree | cercidiphyllium japonicum |
| 15. | Sawtooth Oak | quercus acuissima |
| 16. | Ruby Red Horsechestnut | aesculus x carnea 'Briotii' |
| 17. | European Bird Cherry | prunus padus |
| 18. | Whitebeam, sorbus | aria 'Magnifica' and 'Majestica' |
| 19. | Jacquemont Birch | betula jacquemontii |
| 20. | Raywood Ash | fraxinus oxycarpa 'Raywood' |
| 21. | Sour Gum | nyssa sylvatica |
| 22. | Coliseum Maple | acer cappadocicum 'Rubrum' |

| | | |
|---|---|---|
| 23. | Chinese Tulip | liriodendron chinense |
| 24. | Yulan Magnolia | magnolia denudata |
| 25. | American Yellowood | cladrastis lutea |
| 26. | Kobus Magnolia | magnolia kobus |
| 27. | Willow Oak | quercus phellos |
| 28. | Flowering Cherry | prunus serrulata |
| 29. | Flowering Ash | franxinus ornus |

**E.) Large Street Trees**

Typically have a crown exceeding 50 feet and a spreading habit. The following trees may be allowed without an approved root guard in a planting strip at least 8 feet wide and with an approved root guard in a planting strip at least 7 feet wide.

| | | |
|---|---|---|
| 1. | Pin Oak | quercus palustris |
| 2. | Red Oak | quercus rubra |
| 3. | Birchbark Cherry | prunus serrula |
| 4. | European Beech | fagus sylvatica |
| 5. | Red Maple | acer rubrum ('October Glory', 'Red Sunset') |
| 6. | Autumn Purple Ash | fraxinus Americana |
| 7. | Flowering Cherry | prunus yedonensis 'Akebono' |
| 8. | River Birch | betula nigra |
| 9. | Green Ash | fraxinus pennsylvanica lanceolata |

**F.) Boulevard Trees**

Typically have a crown exceeding 60 feet and a spreading habit. The following trees may be allowed in a planting strip at least 10 feet wide regardless of the use of a root guard.

| | | |
|---|---|---|
| 1. | Tulip tree | liriodendron tulipifera |
| 2. | Bur Oak | quercus macrocarpa |
| 3. | Dawn Redwood | metasequoia glyptostroboides |
| 4. | English Oak | quercus robur |
| 5. | Flowering Cherry | prunus yedoensis 'Yoshino' |

**G.) Prohibited Street Trees**

The use of the following trees within the street right-of way is prohibited:

| | | |
|---|---|---|
| 1. | Bigleaf Maple | acer macrophyllum |
| 2. | Box Elder | acer negundo |
| 3. | Silver Maple | acer saccharinum |
| 4. | Weeping Willow | salix |
| 5. | Fir | pseudostuga |
| 6. | Cedar | cedrus or thuja (except as allowed) |
| 7. | Hemlock | tsuga |
| 8. | Spruce | picea |

| | | |
|---|---|---|
| 9. | Pine | pinus |
| 10. | Poplar | populus deltoids, populus trichocarpa, populus nigra italicas |
| 11. | Any nut or fruit bearing tree, except ornamentals | |
| 12. | London Plane Sycamore | platanus |

**H.) Open Space Trees**

Used in areas that are not in planting strips, not under power lines, and where street trees are not required. However, any of the street trees are acceptable as open space trees. The following trees are acceptable open space trees.

| | | |
|---|---|---|
| 1. | Bigleaf Maple | acer macrophyllum |
| 2. | Sugar Maple | acer saccharum |
| 3. | Weeping Willow | salix |
| 4. | Fir | pseudostuga (varieties) |
| 5. | Cedar | cedrus of thuja (varieties) |
| 6. | Spruce | picea (varieties) |
| 7. | Pine | pinus (varieties) |
| 8. | Flowering Crabapple (varieties) | malus |
| 9. | Hackberry | celtis ocidentalis |
| 10. | European Mt. Ash | sorbus aucuparia |

**I.) Native Trees**

Used in open areas and naturalized areas. The following is a list of trees native to western Washington. These trees are not acceptable as street trees.

| | | |
|---|---|---|
| 1. | Grand Fir | abies grandis |
| 2. | Vine Maple | acer circinatum |
| 3. | Bigleaf Maple | acer macrophyllum |
| 4. | Red Alder | alnus rubra |
| 5. | Western Serviceberry | amelanchier alnifolia |
| 6. | Pacific Madrone | arbutus menziesii |
| 7. | Pacific Dogwood | cornus nuttallii |
| 8. | Black Hawthorn | crataegus suksdorfii |
| 9. | Oregon Ash | fraxinus latifolia |
| 10. | Pacific Crabapple | malus fusca |
| 11. | Sitka Spruce | picea sitchensis |
| 12. | Shore Pine | pinus contorta |
| 13. | Western White Pine | pinus monticola |
| 14. | Black Cottonwood | populus balsamifera |
| 15. | Bitter Cherry | prunus emarginata |
| 16. | Douglas Fir | pseudotsuga menziesii |
| 17. | Oregon White Oak | quercus garryana |
| 18. | Pacific Willow | salix lucida |
| 19. | Scouler Willow | salix scouleriana |

| | | |
|---|---|---|
| 20. | Sitka Willow | salix sitchensis |
| 21. | Western Yew | taxus brevifolia |
| 22. | Western Red Cedar | thuja plicata |
| 23. | Western Hemlock | tsuga heterophylla |

**J.)** **Drought Resistant Trees**

These trees have a moderate to very good tolerance to drought conditions. All young, newly planted trees require irrigation for a minimum of two years. These trees are known to be drought resistant at maturity.

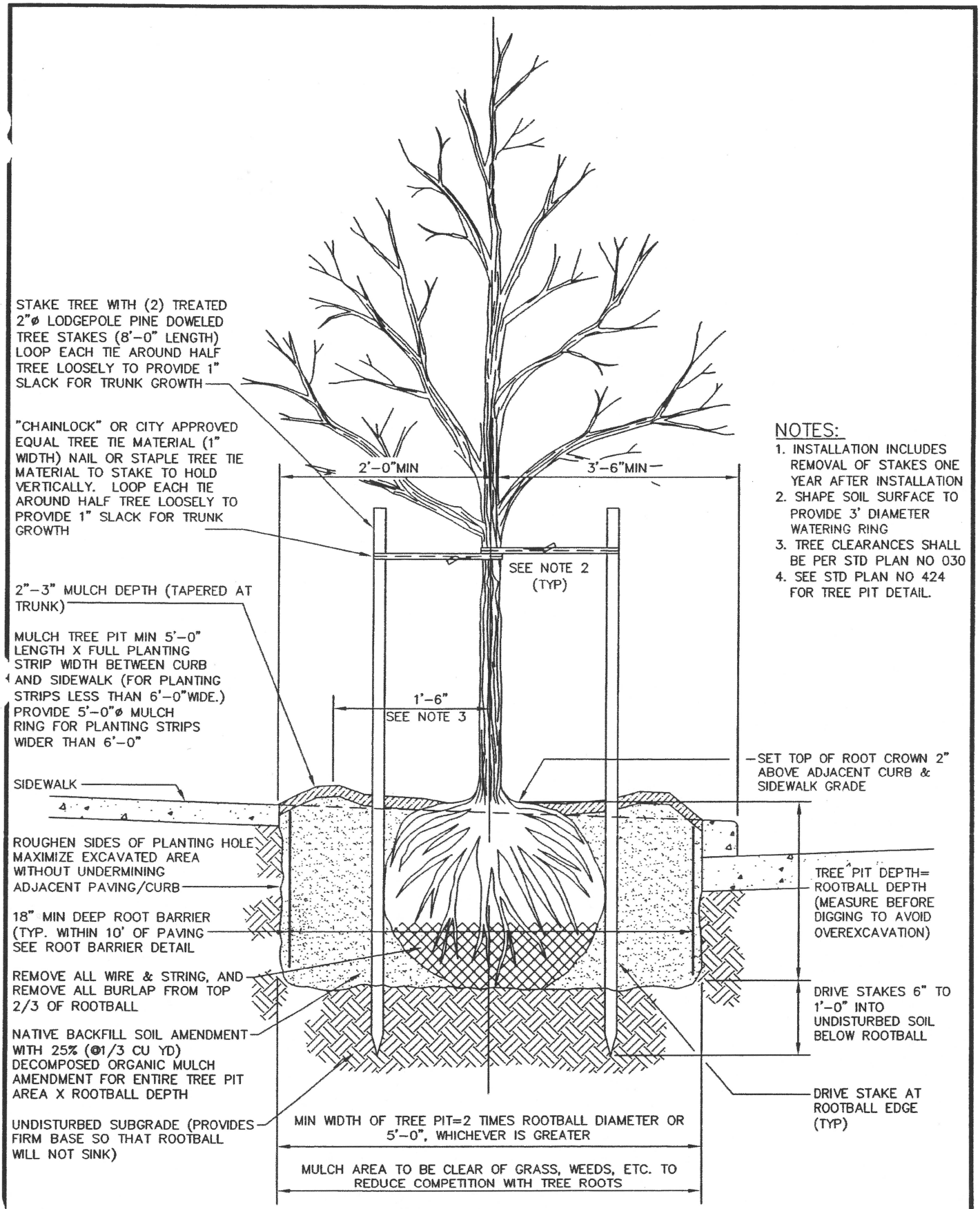
| | | |
|---|---|---|
| 1. | Green Ash | large street tree |
| 2. | Raywood Ash | medium street tree |
| 3. | European Mt. Ash | open space tree |
| 4. | River Birch | large street tree |
| 5. | Columnar Sargent Cherry | medium narrow street tree |
| 6. | Yoshino Cherry | boulevard tree |
| 7. | Canada Red Chokecherry | small street tree |
| 8. | Flowering Crabapple | open space tree |
| 9. | Green Vase Zelkova | medium street tree |
| 10. | Douglas Fir | native tree |
| 11. | Ginko Tree | medium street tree |
| 12. | Hackberry | open space tree |
| 13. | European Hornbeam | medium street tree |
| 14. | American Yellow Wood | medium street tree |
| 15. | Little Leaf Linden | medium street tree |
| 16. | Black Bessoniana Locust | small street tree |
| 17. | Pacific Madrone | native tree |
| 18. | Autumn Flame Red Maple | open space tree |
| 19. | Globe Norway Maple | small street tree |
| 20. | Hedge Maple | medium street tree |
| 21. | Bur Oak | boulevard tree |
| 22. | English Oak | boulevard tree |
| 23. | Red Oak | large street tree |
| 24. | Sawtooth Oak | medium street tree |
| 25. | Willow Oak | medium street tree |
| 26. | Callery Pear cultivars | medium street tree |
| 27. | Eastern Redbud | small street tree |
| 28. | Worplesdon Sweetgum | medium street tree |

## K.) Median Plantings

Ground cover or low shrubs with a maturity of not more then18” in height, 20 feet from each end. Only trees from the small and medium street tree list may be used with root barriers in medians. The remaining areas shall be shrubs of no more than 36 inches (3 feet) high at maturity and shall be planted as identified in the Public Works Construction Standards and specifications.

## L.) Parking Lot Plantings

These include trees and shrubs with a minimum distance of 48 inches (4 feet) from parking area pavement edge to allow for vehicle overhang except where wheel stops are provided, in which case the minimum distance from the pavement edge is 24” (2 feet). Parking lot shade trees, shrub and ground covers are to be chosen from the street tree and shrub list and planted according to the Design and Construction Standards and Specifications.




NOTES:

1. INSTALLATION INCLUDES REMOVAL OF STAKES ONE YEAR AFTER INSTALLATION
2. SHAPE SOIL SURFACE TO PROVIDE 3' DIAMETER WATERING RING
3. TREE CLEARANCES SHALL BE PER STD PLAN NO 030
4. SEE STD PLAN NO 424 FOR TREE PIT DETAIL.

# CITY OF ARLINGTON

*ENGINEERING DIVISION*

## DECIDUOUS TREE PLANTING DETAIL

| | | |
|---|---|---|
| DSN BY: R. MCFARLANE | CHK'D: M. SELIN | SCALE: NTS |
| DESIGNED BY: VARIES | CH'D BY: M. SELIN | CAD FILE NAME: 02950_51 |

| REVISION | DATE | STANDARD PLAN NUMBER |
|---|---|---|
| 1 | 10/18/05 | 02950_51 |