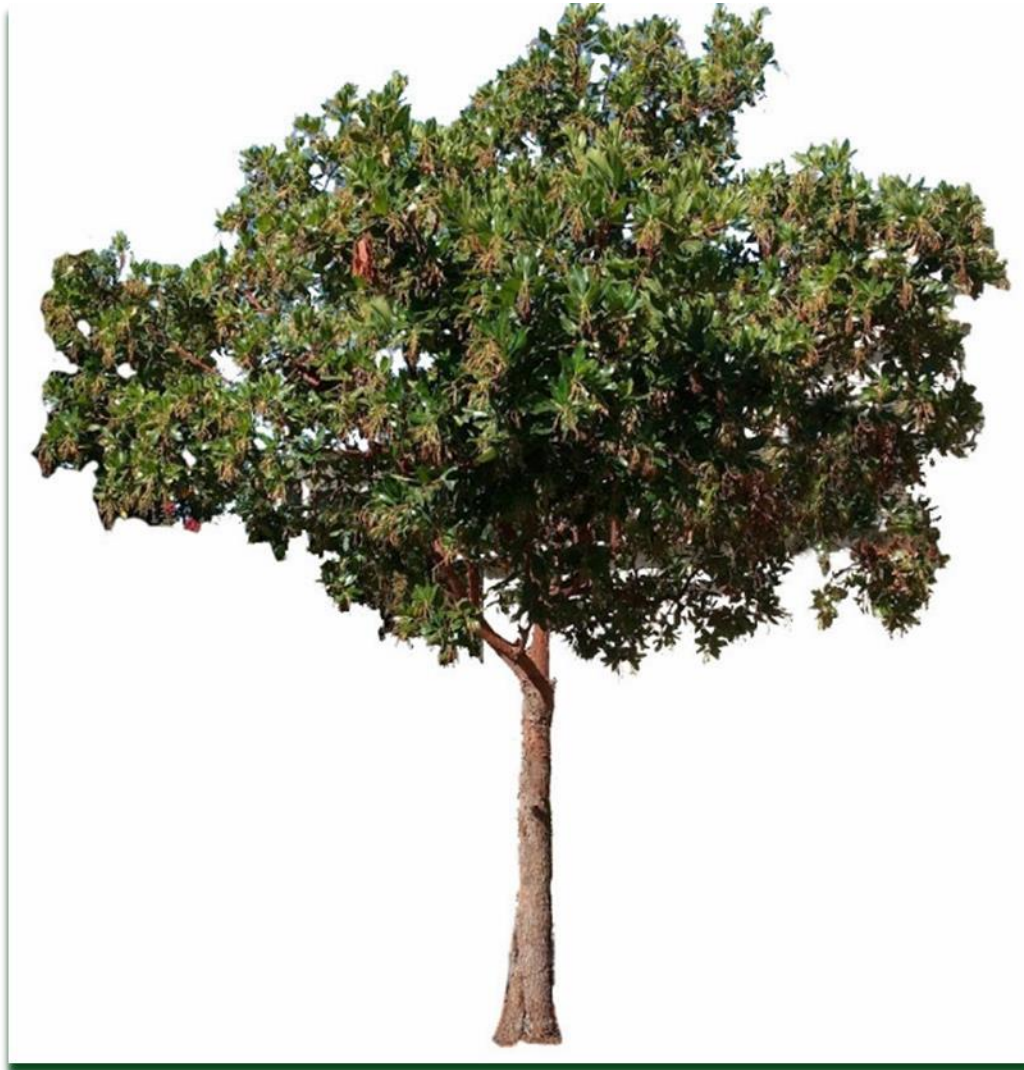


***CITY OF PETALUMA, CA***

***LIST OF APPROVED STREET TREES***

***February 2016***



## *List of Trees Approved for Planting Adjacent to Public Streets and Sidewalks in the City of Petaluma*

### **USING THE LIST OF TREES:**

**GENUS SPECIES:** Botanical names are listed first, for accuracy. Common names are in **bold** lettering.

**EVERGREEN AND DECIDUOUS TREES:** Evergreens, maintain their leaves year round with shedding of dead leaves year round; They may be broadleaf or with needle-like foliage. Deciduous trees may offer fall color and will lose their leaves typically in fall and new leaves will emerge in spring.

**HEIGHT AND WIDTH AT MATURITY:** Gives you an idea of the eventual size of the tree.

**RECOMMENDED SPACING:** This number represents the spacing between planting holes.

**RECOMMENDED PLANTER SIZE:** Use this guideline to reduce or avoid damage to your sidewalk and your tree. Most trees will benefit from a larger planter space: Longer planting areas along the sidewalk are a way to accomplish this.

The minimum required tree well for new construction is 4x6 (24 square feet). Some trees are suitable for smaller than 4x6 planting space. Others have very large trunks or root flares and require larger planting areas. For larger areas in right-of-ways (roadway islands & medians, etc) large canopy trees are recommended.

**COMMENTS:** Gives you some additional information. References such as Sunset Western Garden Guide or <http://selecttree.calpoly.edu> can tell you more.

**TREE LOCATION FOR VIEWING:** Areas in the city you can go and look at example trees.

**OTHER TREES:** Tree species not listed above require City approval prior to planting within the City right-of-way. The Tree Advisory Committee may be contacted via the Department of Public Works, 11 English Street, or 707-778-4303 for more information.

**UNACCEPTABLE SPECIES:** The following plant species are generally not acceptable for planting along City Street: Acacia, Acer saccharinum, bamboo species, fruit trees, ginkgo (female), lingstrum, morus species, nerium oleander, pampas grass, populus species, pyracantha, salix species.

### **PREPARING FOR PLANTING:**

**PLANTING UNDER PG&E LINES-**Evaluate and recognize height and/or presence of power lines when selecting appropriate street tree; maximum of 25' tree height under high voltage line. For further information: [https://selecttree.calpoly.edu/utilitytree\\_zones.lasso](https://selecttree.calpoly.edu/utilitytree_zones.lasso)

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**PLANTING AND MAINTENANCE:** Street tree planting standards and maintenance guidelines may be obtained from the City of Petaluma, Public Works Department, at 11 English Street or on our website at the following link:

<http://cityofpetaluma.net/pubworks/pdf/city-standards/series100.pdf>

**CONCRETE REMOVAL:** An Encroachment permit must be obtained from the city through the Public Works Department, prior to the removal of any concrete within the city right-of way and can be found on our website at the following link:

<http://cityofpetaluma.net/pubworks/pdf/encroachment-permit-application.pdf>

**TREE REMOVAL IN PUBLIC RIGHT-OF-WAY:** Before removing any street tree, a tree removal permit must be obtained from the Public Works Department and can be found at the following link:

<http://cityofpetaluma.net/pubworks/pdf/tree-removal-permit.pdf>

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### **WATER NEEDS ASSESSMENT**

<http://ucanr.edu/sites/WUCOLS/files/183488.pdf>

The WUCOLS project was initiated and funded by the Water Use Efficiency Office of the California Department of Water Resources (DWR). This work was directed by the University of California Cooperative Extension, San Francisco and San Mateo County office.

Last update 2014.

Trees marked with \* support native wildlife.

Trees marked with \*\* provides essential food for the hummingbirds who live here year round.

*Evergreen* trees sequester more carbon than deciduous trees.

#### **Low Water Needs** (9)

<b>Genus Species (Variety)</b>	<b>Common Name</b>	<b>Type</b>
<i>Arbutus Marina</i>	No Common Name **	Evergreen
<i>Arbutus Unedo</i>	Strawberry Tree **	Evergreen
<i>Cercis occidentalis</i>	Western Redbud **	
<i>Koelreuteria paniculata</i>	Goldenrain Tree	
<i>Laurus nobilis</i>	Sweet Bay	Evergreen
<i>Quercus agrifolia</i>	Coast Live Oak *	Evergreen
<i>Quercus ilex</i>	Holly Oak *	Evergreen
<i>Quercus suber</i>	Cork Oak	Evergreen
<i>Rhus lancea</i>	African Sumac	Evergreen

#### **Low-Medium Water Needs** (1)

<b>Genus Species (Variety)</b>	<b>Common Name</b>	<b>Type</b>
<i>Celtis occidentalis</i>	Common Hackberry *	

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### Medium Water Needs (23)

Genus Species (Variety)	Common Name	Type
<i>Aesculus carnea</i> 'Briotti'	Red Horsechestnut	
<i>Catalpa bignoioides</i>	Common Catalpa	
<i>Cercis canadensis</i>	Eastern Redbud	
<i>Cinnamomum camphora</i>	Camphor Tree	Evergreen
<i>Crataegus</i> 'pheatopyrum'	Washington Hawthorn	
<i>Ginkgo bilboa</i>	Ginko	
<i>Lagerstroemia indica</i>	Crape Myrtle	
<i>Magnolis acuminate</i> 'Yellow Bird'	Cucumber Tree	
<i>Magnolia grandiflora</i>	No Common Name	
<i>Pistachia chinensis</i>	Chinese Pistache	
<i>Platanus acerifolia</i>	Sycamore/Plane Tree	
<i>Prunus yedoensis</i> 'Akebono'	Akebono Cherry Tree	
<i>Quercus coccinia</i>	Scarlet Oak	
<i>Quercus palustris</i>	Pin Oak	
<i>Quercus robur</i>	English Oak	
<i>Quercus rubra</i>	Red Oak	
<i>Sophora japonica</i>	Japanese Pagoda Tree	
<i>Tilia americana</i> 'Redmond'	American Linden Tree	
<i>Tilia cordata</i>	Linden Tree	
<i>Tridica sebifera</i>	Chinese Tallow Tree	
<i>Tristanloysis laurina</i>	Laurel Leaf Box	
<i>Ulmus</i> "Frontier"	Frontier Elm	
<i>Zelkova serrate</i>	Zelkova	

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**Medium-High Water Needs** (5)

<b>Genus Species (Variety)</b>	<b>Common Name</b>	<b>Type</b>
<i>Acer rubrum</i> ‘Armstrong’	Red Maple	
<i>Acer rubrum</i> ‘Red Sunset’	Red Maple	
<i>Acer rubrum</i> ‘October Glory’	Red Maple	
<i>Liriodendron tulipifera</i>	Tulip Tree	
<i>Nyssa sylvatica</i> ‘Forum’	Tupelo Tree	

**High Water Needs** (0)

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<i>Genus Species</i> "Variety" <b>Common Name</b>	Evergreen or Deciduous	Mature Height/ Width	Recommend Spacing	Recommend Planter size	Comments	Tree Location(s) for viewing.
<i>ACER rubrum</i> 'Armstrong' (columnar) 'Red Sunset' (upright) 'October Glory' (oval) <b>Red Maple</b>	Deciduous	45'/15' 45'/35' 50'/40'	15' 30' 35'	4' x 6'	Excellent fall color. Prefers regular water. Different varieties have different forms i.e.: columnar, oval etc.  Low VOC (Volatile Organic Compound) tree.	Pedestrian promenade at end of Western Avenues  Petaluma Boulevard North (between E Washington & Lakeville)
<i>AESCULUS carnea</i> Briotti <b>Red Horesechestnut</b>	Deciduous	40'/20'	20'	4' x 6'	Large dark green leaves and showy pink-red flower clusters. Does well in lawns. Does produce large inedible seed. Not recommended for windy areas.	Wickersham Park, 600 D St (facing 6th St)  247 Keokuk @ Prospect
<i>ARBUTUS Marina</i> <b>No common name</b>	Evergreen	30'/30'	25'	4' x 6'	Striking ornamental smooth red bark, waxy white flower clusters and ornamental fruits. Sometimes susceptible to fruit drop.	422 Kentucky @ Kent  17 El Rose Place
<i>ARBUTUS unedo</i> <b>Strawberry Tree</b> Single trunk form only	Evergreen	15'/15'	15'	4' x 6' Smaller is feasible	Small scale tree. Slow growing. Cluster of waxy white flower and soft red fruits. Will not provide shade canopy. Wind tolerant. Moderate Fruit drop.	Prospect between Walnut & Union (behind St Vincent school)  734 'B' Street
<i>CATALPA bignonioides</i> <b>Common catalpa</b>	Deciduous	40'-60'/35'	30'	Larger than 4' x 6' Required	Large leaves, showy white flowers and yellow fall color. Produces long see capsules in fall.	301 4th St  Wickersham Park  306 Howard St  44 6th St

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<i>CELTIS occidentalis</i> <b>Common Hackberry</b>	Deciduous	45'+/35'	30'	4' x 6'	Typically deep rooted. Tolerates many soils, resists oak root fungus. If aphids noticed in spring provide treatment to eliminate sooty mold in later season.	Petaluma Main Post Office, 5 <sup>th</sup> Street & D  East Washington at Kentucky
<i>CERCIS canadensis</i> <b>Eastern Redbud</b>	Deciduous	30'/20'	15'	4' x 6' Smaller is feasible	Showy early spring pink flowers. Heart shaped leaves. Needs good drainage. Do not recommend purple leaf "Forest Pansy" variety.	Scattered along East D Street  5 <sup>th</sup> & D St  696 Petaluma Blvd (in landscape)
<i>CERCIS occidentalis</i> <b>Western Redbud</b> Single trunk form only	Deciduous	15'/15'	15'	4' x 6' Smaller is feasible	A small scale tree. Slow growing. Will not provide shade canopy. California native. May be difficult to find tree form.	Parking area in front of Petaluma Library  Western Ave near Howard St-Tea Room Café.
<i>CINNAMOMUM camphora</i> <b>Camphor Tree</b>	Evergreen	50'/50'	40'	Larger than 4' x 6' Required	Large canopy tree. Needs large planter area. Surface rooting is typical. Not recommend near pavement or provide means for deep root watering.	615 5th St  417 Keller St  Police Station at Petaluma Blvd.
CRATAEGUES 'pheanopyrum' <b>Washington Hawthorn</b>	Deciduous	25'/20'	15'	4' x 6' Smaller is feasible	Medium size tree. Striking ornamental berry clusters in fall. Does have thorns on branches.	237 Vallejo at East D



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<i>GINKGO biloba</i> 'Fairmount' 'Autumn Gold' 'Saratoga' 'Princeton Sentry' <b>Ginkgo</b>	Deciduous	45'/35' 45'/35' 45'/35' 45'/20'	30' 30' 30' 20'	4' x 6'	Good fall color generally remains as small tree, use male tree only (Nursery varieties are male). Narrow variety good for tight spaces. Larger trees potential power line conflict. Slow growth. Oak Root Fungus resistant.	Wickersham Park, off H St (near maintenance shed)  Petaluma Blvd Crosswalk at Putnam Plaza
<i>KOELREUTERIA paniculata</i> <b>Goldenrain Tree</b>	Deciduous	45'/35'	25'	4' x 6'	Yellow fall color, tolerates clay soils, summertime yellow flowers	East D Street @ Wilson
<i>LAGERSTROEMIA Indica</i> 'Indian tribes' cultivars <b>Crape Myrtle</b>	Deciduous	25'/20'	20'	4' x 6' Smaller is feasible	Summer flowering, sometimes needs special staking. Good tree under power lines.	615 Keller St (Westside)
<i>LAURUS nobilis</i> 'Saratoga' <b>Sweet Bay</b> Single trunk form only	Evergreen	30'/30' Typically Smaller	25'	4' x 6' Smaller is feasible	Takes pruning and hedging. Good for dense screening. 'Saratoga' variety has round leaves.	SRJC Petaluma Center Courtyard  341 Liberty at Oak
<i>LIRIODENDRON tulipifera</i> <b>Tulip Tree</b>	Deciduous	70'/35'	35'	Larger than 4' x 6' Required	Interesting yellow flowers late Spring. Subject to aphid infestation. Fast growing	707 & 711D St.
<i>MAGNOLIA accuminata</i> 'Yellow Bird' <b>Cucumber tree</b>	Deciduous	45'/25'	25'	4' x 6'	Greenish/yellow flowers. Somewhat dense canopy	Burdell building at Lakeville & D Street

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<i>MAGNOLIA grandiflora</i>  <i>grandiflora</i> 'Little Gem'  <i>grandiflora</i> 'St Mary's'	Evergreen	60'/50'  20'/10'  30'/30'	45'  15'  25'	Larger than 4' x 6' Required  4' x 6' Smaller is feasible  4' x 6'	Very Large Tree with large fragrant flowers. Produces litter.  Dwarf version, more upright, & dense.  Mid-size magnolia. Better for more typical street tree.	823 'D' Street
<i>NYSSA Sylvatica</i> 'forum' <b>Tupelo Tree</b>	Deciduous	40'/20'	20'	4' x 6'	Upright, pyramidal shape. Can take wet soils. Dramatic fall color.	318 Liberty  Petaluma Blvd South- McNear Landing street frontage.  18 Pearce Street – front lawn tree.
<i>Pistachia chinensis</i> <b>Chinese Pistache</b>	Deciduous	40'/30'	30'	4' x 6'	Tolerates wide range of conditions	"A" Street Parking Lot
<i>PLATANUS acerifolia</i> 'Bloodgood' 'Yarwood' <b>Sycamore, Plane Tree</b>	Deciduous	60'/35'	35'	Larger than 4' x 6' Required	Anthraxnose resistant Mildew resistant. Power line conflict potential	Brown Ct.,  312 & 601 6th St,  601 Keller St,  831 D St
<i>PRUNUS yedoensis</i> 'Akebono' <b>Akebono Cherry</b>	Deciduous	25'/25'	20'	4' x 6'	Requires good drainage	

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<i>QUERCUS agrifolia</i> <b>Coast Live Oak</b>	Evergreen	60'/60'	40'	Larger than 4' x 6' Required	Pruning for shape required in planter strips. Recommended for large planters only.	Oak Hill Park
<i>QUERCUS coccinia</i> <b>Scarlet Oak</b>	Deciduous	60'/40'	35'	4' x 6'	Good fall color, Deep rooted	Postal Facility frontage, Corona Rd & McDowell Blvd
<i>QUERCUS ilex</i> <b>Holly Oak</b>	Deciduous	40'/35'	35'	4' x 6'	Tolerates Clay soils; tolerates irrigation	Washington St/Lakeville
<i>QUERCUS palustris</i> <b>Pin Oak</b>	Deciduous	45'/35'	35'	4' x 6'	Rusty orange to red fall color	Wickersham Park
<i>QUERCUS robur</i>  'Fastigiata' <b>English Oak</b>	Deciduous	50'/30'  40'/15'	25'  20'	Larger than 4' x 6' Required  4' x 6'	Narrow oak may be hard to find	Indian Valley College (Novato) parking lot entry
<i>QUERCUS rubra</i> <b>Red Oak</b>	Deciduous	65'/40'	40'	Larger than 4' x 6' Required	Good fall color.	Wickersham park, corner 6th & H St  735 H St (young)
<i>QUERCUS suber</i> <b>Cork Oak</b>	Evergreen	40'/40'	35'	Larger than 4' x 6' Required	Needs	600 D St at corner
<i>RHUS lancea</i> <b>African Sumac</b>	Evergreen	25'/20'	20'	4' x 6'	Tolerates clay soils; weeping form; poisonous foliage. Requires periodic pruning for best form.	1300 N McDowell Blvd, northwest sides of building

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<i>TRIDICA sebifera</i> <b>Chinese Tallow Tree</b>	Deciduous	35'/25'	25'	4' x 6'	Good fall color; won't tolerate poor soil; poor drainage	515 "J" St
<i>SOPHORA japonica</i> <b>Japanese Pagoda Tree</b>	Deciduous	40'/35'	35'	4' x 6'	Tolerates clay soils; produces summer flowers (reseeds)	Putnam Plaza
<i>TILIA Americana</i> 'Redmond' <b>Linden</b>	Deciduous	35'/25'	25'	4' x 6'	Grows rapidly; pyramidal form. Requires early structural pruning	504 D St, 6th & G St
<i>TILIA cordata</i> 'Chancellor' 'Degroot' 'Greenspire' <b>Linden</b>	Deciduous	40'/25'	25'	4' x 6'	Fragrant flowers hidden in leaves. Requires early structural pruning.	Payran & East D St, 2 trees southwest corner  811 D St  6th & G St
<i>TRISTANLOPSIS laurina</i> <b>Laurel Leaf Box</b>	Evergreen	20'+/20'+	20'	4' x 6'	Attractive small accent tree. Moderate growth rate.	610 E. Washington (across from WholeFoods) F Street-mini park at Foundry Wharf
<i>Ulmus</i> 'Frontier' 'Accolade' <b>Frontier Elm</b>	Deciduous	40'/25' 60'/50'	25' 45'	4' x 6' 4' x 6'	Resistant to Dutch Elm disease Reddish/purplish leaves in fall Arching Limbs	11 English Street, West exit to City Hall Parking lot.  Post office –D Street side.
<i>ZELKOVA serrata</i> <b>Zelkova</b>	Deciduous	45'/40'	40'	Larger than 4' x 6' Required	Graceful appearance; looks like elm. Different varieties.	