



CITY OF PETALUMA, CALIFORNIA ***LIST OF PRE-APPROVED STREET TREES***

Draft - October 29, 2024



London Planes line Brown Court in Petaluma

GENERAL NOTES:

PURPOSE:

This list is provided to help in the selection of trees to be planted within the public right-of-way, along city streets in Petaluma

“TREE CITY”:

Petaluma is a certified “Tree City USA” and acknowledges that trees are a valuable component in maintaining a healthy and livable city. It is a goal of the city to increase the density and cover of our urban forest.

TREE SELECTION AND SPACING:

Use the table below to select the most appropriate and desirable tree for each situation. It is recommended that larger tree species be planted, in favor of smaller trees, and that they are spaced so that they will provide continuous canopy at maturity.

INAPPROPRIATE TREES:

The following are not appropriate for planting along City Streets: Acacia (except those specifically listed), Acer saccharinum, all bamboo species, ginkgo (female), ligustrum, morus, nerium, populus, pyracantha, salix, fruit trees are not allowed as street trees where fruit drop may cause nuisance. Any species listed as “Invasive” on the California Invasive Plant Council’s Inventory is prohibited: <https://www.cal-ipc.org/plants/inventory/>

PLANTING UNDER OVERHEAD UTILITY LINES:

Evaluate and recognize height and/or presence of power lines when selecting appropriate tree; For further information:

https://selectree.calpoly.edu/utilitytree_zones.lasso

RE-LEAF PETALUMA:

Re-Leaf Petaluma is a local non-profit dedicated to increasing and improving our urban forest, with particular interest in “Native” species. They can assist with providing and planting trees, and their website includes a wealth of useful information:

<https://static1.squarespace.com/static/60874ec662e06b27475db642/t/654cf43faa731e398deff7ba/1699542095634/Dr+JS%27s+Petaluma+Tree+Handbook+rev.10-28-23-2.pdf>

CALL 811 BEFORE YOU DIG:

Call 811 to have your underground utilities located prior to digging.

PLANTING AND MAINTENANCE:

Official City Street tree planting standards and maintenance guidelines may be obtained from the City of Petaluma, Public Works Department, at 11 English Street

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

TREE REMOVAL:

Before removing any street tree, a tree removal permit must be obtained from the Public Works Department and can be found at:

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

ADDITIONAL STANDARDS AND REGULATIONS:

Additional standards and requirements may apply. See the Official City Webpage: <https://cityofpetaluma.org/landscaping-trees/>

KEY TO THE COLUMNS IN THE "LIST OF TREES" BELOW:

Column heading:	Description:
TREE NAME	Trees are listed alphabetically by botanical name, followed by common name. Typically written in this format: <i>GENUS species 'Cultivar' / common name</i>
EV/DEC	EVERGREEN, BROADLEAF EVERGREEN, VS. DECIDUOUS TREES: Evergreen trees maintain leaves year-round and shed dead leaves throughout the year. They may have broad leaves or needle-like foliage. Deciduous trees typically drop their leaves in Autumn and new leaves will emerge in spring. They may offer fall color. Evergreen trees sequester more carbon.
SIZE	HEIGHT AND WIDTH: Approximate mature size of the listed tree at 15-20 years. Trees with an * will continue to grow and may become much larger
PLANTER WIDTH	This is the minimum width of planter or parkway strip recommended for planting each tree. Use this guideline to reduce potential damage to sidewalks and to provide enough room for healthy tree growth to maturity. All trees will benefit from a larger planter area (wider and/or longer). The minimum size for tree wells in new construction is 4x6 (24 square feet). Some trees are suitable for smaller planters and may be approved by the Tree Advisory Committee. Others have very large trunks or root flares and require larger planting areas.
WATER USE	Each species has been assigned a value by the Water Use Efficiency Office of California's Department of Water Resources (DWR). The classification values represent the supplemental water needs of each particular species relative to other species growing in this region. The trees requiring the most water have a classification of "High" with a "plant factor" of 1.0, while "Moderate" water use trees are assigned a "Plant Factor" of 0.4 – 0.6, and the most drought tolerant trees are classified as "very Low" or "Low" with plant factors of 0.1 – 0.3. "HIGH" water use trees are not permitted. These values are also used in calculating estimated water use for compliance with Petaluma's "Water Conservation Regulations" of the Petaluma Municipal Code: https://petaluma.municipal.codes/Code/15.17
AREA	TREE CANOPY AREA: This value indicates the average expected size of the canopy, listed in square feet of ground area beneath the drip-line of the canopy. This is included for use in calculating water use and potential shade area (for future shading ordinance)
CA	CALIFORNIA NATIVES: Trees with a "Y" in this column are native to California, but not necessarily native to Petaluma. It is important to note that just because trees are native to the region, does not mean they will do well in Petaluma's heavy clay soils, or that they are appropriate for use as street trees. Also, it is commonly (and wrongfully) believed that "Non-native" trees do not provide significant habitat or resources for wildlife. This is not true.
COMMENTS	Notable characteristics of listed trees. Additional useful information can be obtained from the Sunset Western Garden Book or at http://selectree.calpoly.edu
LOCATIONS	Sites in Petaluma where you can find examples of mature specimens. <u>These have not been verified, some known to be gone</u>

LIST OF TREES

TREE NAME: GENUS species 'Variety' common name	EV/DEC:	SIZE: Ht. W.		PLANTER WIDTH	WATER USE:	AREA:	CA	COMMENTS:	TREE LOCATIONS (FOR VIEWING)
<i>ACACIA stenophylla</i> shoestring acacia	Evergreen	25'	20'	4'	Very Low (< 0.1)	314 s.f.		Winter-Spring bloom, interesting foliage	401 Wilson St., sidewalk behind the Silk Mill/Hotel
<i>ACER rubrum</i> 'Armstrong' and 'Armstrong Gold' columnar red maple	Deciduous	40'	15'	4'	Moderate (0.4 - 0.6)	314 s.f.		Excellent fall color. Narrow columnar form. Low VOC (Volatile Organic Compound) tree.	Armstrong': Pedestrian promenade at end of Western Avenue 'Armstrong Gold': 517 Oak
<i>ACER rubrum</i> 'Red Sunset', 'October Glory' red maple	Deciduous	45' 50'	35' 40'	4'	Moderate (0.4 - 0.6)	962 s.f.		Excellent fall color. Prefers regular water. Low VOC (Volatile Organic Compound) tree.	Petaluma Boulevard North (between E Washington & Lakeville)
<i>AESCULUS carnea</i> 'Briotti' red horesechestnut	Deciduous	35'*	35'*	4'	Moderate (0.4 - 0.6)	962 s.f.		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</i> 'Marina' no common name	Boadleaf Evergreen	25'	25'	4'	Low (0.1 - 0.3)	491 s.f.		Hybrid of CA native Madrone, Striking ornamental smooth red bark, waxy white flower clusters and ornamental fruits. Fruit drop.	422 Kentucky @ Kent, 17 El Rose Place
<i>ARBUTUS unedo</i> strawberry tree	Boadleaf Evergreen	15'	15'	3'	Low (0.1 - 0.3)	314 s.f.		Single trunk form only. 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>CALOCEDRUS decurrens</i> caifornia incense cedar	Evergreen	50'*	20'*	8'	Moderate (0.4 - 0.6)	314 s.f.	Y	Coniferous, remove low branches. tall and narrow, slow growing at first, red bark	409 "B" St. Petaluma Museum, next to driveway

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<i>CATALPA bignonioides</i> southern catalpa	Deciduous	40'*	35'*	6'	Moderate (0.4 - 0.6)	962 s.f.		Large leaves, showy white flowers and yellow fall color. Produces long sees capsules in fall.	301 4th St Wickersham Park 306 Howard St 44 6th St
<i>CELTIS australis</i> european hackberry	Deciduous	45'	35'	4'	Low (0.1 - 0.3)	962 s.f.		Good yellow fall color. 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 th Street & D East Washington at Kentucky
<i>CEDRUS deodara</i> deodar cedar	Evergreen	50'*	25'*	6'	Low (0.1 - 0.3)	491 s.f.		Coniferous, remove low branches	English Street at city hall parking lot, 216 howard
<i>CERCIS canadensis</i> (several tree-form varieties) eastern redbud	Deciduous	25'	20'	3'	Moderate (0.4 - 0.6)	314 s.f.		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 th & D St 696 Petaluma Blvd (in landscape)
<i>CERCIS occidentalis</i> western redbud	Deciduous	15'	15'	3'	Very Low (< 0.1)	177 s.f.	Y	Single trunk form only. A small scale tree. Slow growing. Will not provide shade canopy. California native.	Parking area in front of Petaluma Library Western Ave near Howard St-Tea Room Café.
<i>CHITALPA tashkentensis</i> chitalpa	Deciduous	25'	25'	4'	Low (0.1 - 0.3)	491 s.f.		Showy pink or white flowers	
<i>CINNAMOMUM camphora</i> camphor tree	Broadleaf Evergreen	50'	50'	8'	Moderate (0.4 - 0.6)	962 s.f.		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.
CRATAEGUS 'pbeanopyrum' washington hawthorn	Deciduous	25'	20'	3'	Moderate (0.4 - 0.6)	314 s.f.		Medium size tree. Striking ornamental berry clusters in fall. Thorns on branches.	237 Vallejo at East D

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<i>GINKGO biloba</i> 'Fairmount' 'Autumn Gold' 'Saratoga' ginkgo	Deciduous	35'*	25'*	4'	Moderate (0.4 - 0.6)	491 s.f.		Good fall color, slow growing, generally remains as small tree, use male tree only (Nursery varieties are male). Slow growth. Oak Root Fungus resistant.	Wickersham Park, off H St (near maintenance shed) Petaluma Blvd Crosswalk at Putnam Plaza
<i>GINKGO biloba</i> 'Princeton Sentry' columnar ginkgo	Deciduous	35'	15'	4'	Moderate (0.4 - 0.6)	177 s.f.		Columnar variety, similar to above	
<i>KOELREUTERIA paniculata</i> goldenrain tree	Deciduous	45'	35'	4'	Moderate (0.4 - 0.6)	962 s.f.		Yellow fall color, tolerates clay soils, summertime yellow flowers	East D Street @ Wilson
<i>LAGERSTROEMIA Indica</i> 'Indian tribes' cultivars cape myrtle	Deciduous	25'	20'	3'	Low (0.1 - 0.3)	314 s.f.		Summer flowering, sometimes needs special staking. Good tree under power lines. Use mildew resistant varieties only	615 Keller St (Westside) 525 Western Avenue ('Natchez' variety), very common in Petaluma
<i>LAURUS nobilis</i> 'Saratoga' sweet bay	Broadleaf Evergreen	20'	20'	3'	Low (0.1 - 0.3)	314 s.f.		Single trunk form only. 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> tulip tree	Deciduous	60'*	35'*	6'	Moderate (0.4 - 0.6)	962 s.f.		Interesting yellow flowers late Spring. Subject to aphid infestation. Fast growing	707 & 711D St.
<i>LYONOTHAMNUS floribundus</i> catalina ironwood	Broadleaf Evergreen	30'	20'	6'	Low (0.1 - 0.3)	314 s.f.	Y	Needs good drainage, fruit drop may be a nuisance	
<i>MAGNOLIA accuminata</i> 'Yellow Bird' cucumber tree	Deciduous	45'	25'	4'	Moderate (0.4 - 0.6)	491 s.f.		Greenish/yellow flowers. Somewhat dense canopy	Burdell building at Lakeville & D Street
<i>MAGNOLIA grandiflora</i> southern magnolia	Broadleaf Evergreen	60'*	35'*	8'	Moderate (0.4 - 0.6)	962 s.f.		Very Large Tree with large fragrant flowers. Produces litter.	823 'D' Street

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<i>MAGNOLIA grandiflora</i> 'Little Gem' dwarf southern magnolia	Broadleaf Evergreen	20'	10'	4'	Moderate (0.4 - 0.6)	177 s.f.		Dwarf version of above, more upright, & dense.	
<i>MAGNOLIA grandiflora</i> 'St Mary' compact southern magnolia	Broadleaf Evergreen	25'	20'	4'	Moderate (0.4 - 0.6)	491 s.f.		Mid-size magnolia. Better street tree than full-size Magnolia.	606 E. Washington
<i>MAGNOLIA X Soulangiana</i> multiple varieties saucer magnolia	Deciduous	25'	25'	4'	Moderate (0.4 - 0.6)	491 s.f.		Tree form varieties only, Rounded canopies, spring flowers	406 Dana
<i>NYSSA Sylvatica</i> tupelo tree	Deciduous	40'	20'	4'	Moderate (0.4 - 0.6)	314 s.f.		Upright, pyramidal shape. Can take wet soils. Dramatic fall color.	318 Liberty Petaluma Blvd South- McNear Landing street frontage. 18 Pearce Street – lawn.
<i>OLEA europea</i> 'Swan Hill' fruitless olive	Broadleaf Evergreen	25'*	25'	4'	Low (0.1 - 0.3)	491 s.f.		Upright tree forms only	1152 "D" St.
<i>PISTACIA chinensis</i> chinese pistache	Deciduous	40'	39'	4'	Low (0.1 - 0.3)	962 s.f.		Tolerates wide range of conditions	"A" Street Parking Lot
<i>PHOENIX dactylifera and sylvestris</i> date palms	Evergreen	40'	20'	6'	Low (0.1 - 0.3)	314 s.f.		Male specimens only, fruit drop can be a problem	
<i>PLATANUS acerifolia</i> 'Bloodgood' 'Yarwood' 'Columbia' sycamore, plane	Deciduous	60'	35'	6'	Moderate (0.4 - 0.6)	962 s.f.		Anthraxnose and Mildew resistant varieties. Large spikey seeds	Brown Ct., 312 & 601 6th St, 601 Keller St, 831 D St

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<i>PLATANUS racemosa</i> 'Roberts' california sycamore	Deciduous	60'	25'	6'	Moderate (0.4 - 0.6)	707 s.f.	Y	California native sycamore, good riparian/riverbank tree	Theater Square courtyard
<i>PRUNUS illicifolia</i> 'Lyonii' catalina cherry	Broadleaf Evergreen	15'	15'	3'	Low (0.1 - 0.3)	177 s.f.	Y	Large shrub can be trained as tree, use single trunk tree form	
<i>PRUNUS yedoensis</i> 'Akebono' akebono cherry	Deciduous	25'	25'	3'	Moderate (0.4 - 0.6)	491 s.f.		Requires good drainage	
<i>QUILLAJA saponaria</i> soapbark tree	Broadleaf Evergreen	35'	20'	6'	Low (0.1 - 0.3)	314 s.f.			
<i>QUERCUS agrifolia</i> coast live oak	Broadleaf Evergreen	45**	45**	6'	Low (0.1 - 0.3)	962 s.f.	Y	Native to Petaluma Hills, use high-branching tree forms, susceptible to Sudden Oak Death	Oak Hill Park, Helen Regional Putnum Park
<i>QUERCUS X bimundorum</i> 'Streetspire' streetspire oak	Deciduous	35'	15'	4'	Moderate (0.4 - 0.6)	177 s.f.		Narrow pyramidal form, red fall color	
<i>QUERCUS coccinea</i> scarlet oak	Deciduous	60'	40'	6'	Moderate (0.4 - 0.6)	962 s.f.		Good fall color, Deep rooted	Postal Facility frontage, Corona Rd & McDowell Blvd
<i>QUERCUS englemannii</i> mesa oak	Broadleaf Evergreen	50**	60**	8'	Low (0.1 - 0.3)	962 s.f.		Faster growing live oak, good wildlife food source	
<i>QUERCUS fusiformis</i> plateau oak	Broadleaf Evergreen	40'	40'	8'	Low? (0.1 - 0.3)	962 s.f.		Slow growing dense evergreen, shiny green leaves turn yellow and drop in spring	
<i>QUERCUS ilex</i> holly oak	Broadleaf Evergreen	40'	35'	8'	Low (0.1 - 0.3)	962 s.f.		Tolerates Clay soils; tolerates irrigation	Washington St/Lakeville
<i>QUERCUS kelloggii</i> black oak	Deciduous	45**	45**	8'+	Low (0.1 - 0.3)	962 s.f.	Y	Large native oak	Oak Hill Park

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<i>QUERCUS lobata</i> valley oak	Deciduous	60'*	45'*	8'+	Low (0.1 - 0.3)	962 s.f.	Y	Large native oak	342 Keller St.
<i>QUERCUS robur</i> 'Fastigiata', 'Regal Prince' columnar oak	Deciduous	40'	15'	6'	Moderate (0.4 - 0.6)	314 s.f.		Columnar oaks, 'Regal Prince' tolerant of clay soils	Indian Valley College (Novato) parking lot entry
<i>QUERCUS rubra</i> red oak	Deciduous	65'	40'	6'	Moderate (0.4 - 0.6)	962 s.f.		Good fall color.	Wickersham park, corner 6th & H St 735 H St (young)
<i>QUERCUS suber</i> cork oak	Broadleaf Evergreen	40'*	40'*	6'	Low (0.1 - 0.3)	962 s.f.		Interesting bark	600 D St at corner
<i>QUERCUS tomentella</i> island oak	Broadleaf Evergreen	30'	25'	4'	Low (0.1 - 0.3)	491 s.f.		Smaller oak, dense shade	End of 2nd St. entrance to foundary wharf parking lot
<i>QUERCUS virginiana</i> 'Sky Climber' sky climber oak	Broadleaf Evergreen	50'*	50'*	8'	Moderate (0.4 - 0.6)	962 s.f.		Live oak with dependable upright form	
<i>QUERCUS wislizeni</i> interior live oak	Broadleaf Evergreen	30'*	30'*	8'	Very Low (< 0.1)	962 s.f.	Y	Select single trunk tree forms, good habitat tree	
<i>RHUS lancea</i> african sumac	Broadleaf Evergreen	25'	25'	4'	Low (0.1 - 0.3)	491 s.f.		Tolerates clay soils; weeping form; poisonous foliage. Requires periodic pruning for best form.	
<i>SCHINUS molle</i> california pepper	Broadleaf Evergreen	25'	25'	8'	Very Low (< 0.1)	491 s.f.		large trunk; low, spreading crown; seed drop	216 howard, 1303 D St.
<i>SOPHORA japonica</i> japanese pagoda	Deciduous	40'	35'	6'	Moderate (0.4 - 0.6)	962 s.f.		Tolerates clay soils; produces summer flowers (reseeds)	Putnam Plaza
<i>SYAGRUS romanzoffiana</i> queen palm	Evergreen	40'	20'	4'	Low (0.1 - 0.3)	314 s.f.			
<i>TILIA americana</i> linden	Deciduous	35'	25'	4'	Moderate (0.4 - 0.6)	491 s.f.		Grows rapidly; pyramidal form. Requires early structural pruning	504 D St (pollard)

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<i>TILIA cordata</i> 'Chancellor' 'Degroot' 'Greenspire' little leaf inden	Deciduous	40'	25'	4'	Moderate (0.4 - 0.6)	491 s.f.		Fragrant flowers hidden in leaves. Requires early structural pruning.	110 Howard Street
<i>TRIADICA (SAPIUM)</i> <i>sebifera</i> chinese tallow	Deciduous	35'	25'	6'	Moderate (0.4 - 0.6)	491 s.f.		Good fall color; won't tolerate poor soil; poor drainage; toxic parts	515 "J" St (?)
<i>TRISTANIOPSIS</i> <i>laurina</i> laurel leaf box, water gum	Broadleaf Evergreen	35'	25'	4'	Moderate (0.4 - 0.6)	491 s.f.		Attractive small accent tree. Moderate growth rate.	610 E. Washington (across from WholeFoods) F Street-mini park at Foundry Wharf
<i>ULMUS hybrids</i> 'Frontier' 'Accolade' hybrid elm	semi- evergreen	40' 60'	25' 50'	4'	Low (0.1 - 0.3)	962 s.f.		Resistant to Dutch Elm disease Reddish/purplish leaves in fall Arching Limbs	11 English Street, West exit to City Hall Parking lot. Post office on D Street side.
<i>ULMUS parvifolia</i> 'Drake' 'True-Green' lacebark elm	semi- evergreen	40'	30'	4'	Low (0.1 - 0.3)	962 s.f.		Interesting bark, form can be awkward when young	
<i>WASHINGTONIA</i> <i>FILIFERA</i> California fan palm	evergreen	50'	15'	4'	Low (0.1 - 0.3)	177 s.f.	Y		
<i>ZELKOVA serrata</i> zelnova	Deciduous	45'	40'	6'	Moderate (0.4 - 0.6)	962 s.f.		Graceful appearance; looks like elm. Different varieties.	