

MANY TREES GROW WELL IN EUREKA

Factors such as planting basin size, available water and light, wind intensity and location of utility lines all need to be considered when choosing the right tree for the right place. Small sized trees are best under overhead utility lines, while large trees do best in more open areas or in front yards. Aphid-resistant trees and trees with deep tap-roots will be less likely to leave sticky residue on parked vehicles or damage sidewalks.

NEED SOME HELP?

Keep Eureka Beautiful
(<https://keeperekabeautiful.com>)
707-443-5195

City of Eureka Public Works/Engineering,
531 K Street, 707-441-4194,
engineering@eureka.ca.gov

TREE SELECTION

Suggested Small Sized Trees

(15'-25' tall with a 16' wide canopy at maturity and shall be no less than 12' apart)
-FOR SIDEWALKS AREAS & SPACED AT 12'-

Evergreen

Callistemon citrinus (Lemon Bottlebrush)
Magnolia grandiflora "St. Mary" (Southern Magnolia)
Myrica californica (Pacific Wax Myrtle)

Deciduous

Crataegus laevigata "Paul's Scarlet" (Paul's Scarlet Hawthorn)
Crataegus phaenopyrum (Washington Hawthorn)
Prunus subhirtella "Pendula" (Flowering Cherry)
Prunus serrulata "Kwanzan" (Flowering Cherry)

Suggested Medium Sized Trees

(25'-35' tall with a
16' to 35' wide canopy at maturity
and shall be no less than 20' apart)
-FOR SIDEWALKS AREAS & SPACED AT 20'-

Evergreen

Arbutus "Marina" (Strawberry Tree) – use in turf area or large planters only
Eucalyptus nicholii (Willow Leafed Eucalyptus)
Lyonothamnus floribundus asplenifolius (Fernleaf Catalina Ironwood)
Magnolia grandiflora "Samuel Somer" (Magnolia)
Maytenus boaria (Mayten Tree)
Podocarpus gracilior (Fern Pine)
Quercus ilex (Holly Oak)

Deciduous

Acer rubrum "Armstrong" (Red Maple) and other Acer rubrums
Aesculus carnea "Briotti" (Red Horse Chestnut)
Fagus sylvatica "Purpurea" or "Fastigiata" (Purple Beech)
Liquidambar styraciflua (Sweet Gum)
Prunus subhirtella "Autumnalis" (Flowering Cherry)

Suggested Large Sized Trees

-FOR LAWNS ONLY-

(over 35' tall with a
35' wide canopy at maturity and
shall be no less than 30' apart)

Evergreen

Magnolia grandiflora "Russet" (Southern Magnolia)
Tristanopsis laurina (Water Gum)

Deciduous

Fraxinus oxycarpa "Raywood" (Raywood Ash)
Liriodendron tulipifera (Tulip Tree)
Ginkgo biloba (Maidenhair Tree) – not wind tolerant
Platanus x acerfolia "Yarwood" (London Planetree)

WHAT TREES CAN DO FOR YOU

Increase Property Values:

Property with trees can be up to 10% more valuable than lots without trees.

Decrease Crime:

Studies show that people living in buildings with trees and greenery outside know their neighbors better and socialize with them more often which are key factors in community-oriented crime reduction.

Calm Traffic:

Street trees slow traffic by making streets appear narrower.

Provide Safe Routes to Schools:

Children are more likely to walk or bicycle when streets feel safe.

Improve Air and Water Quality:

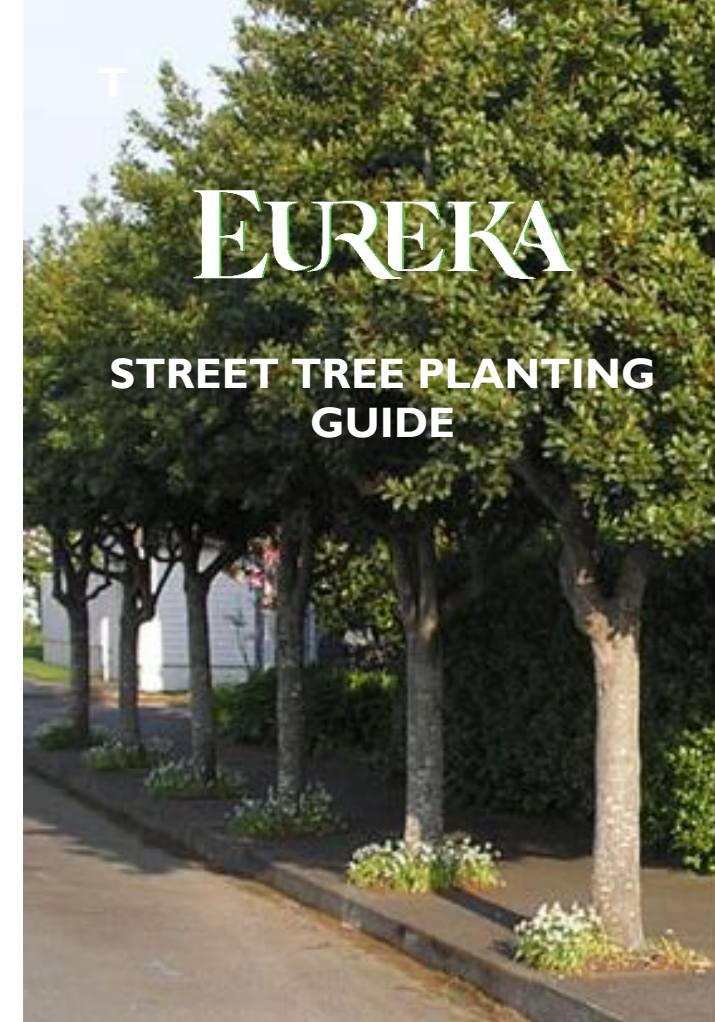
During heavy storms, trees can reduce the number of pollutants and contaminants that reach Humboldt Bay by reducing soil erosion and flooding.

Reduce Energy Costs:

Trees can reduce heating costs up to 25% when properly placed.

Improve Health:

Residents in areas with the highest levels of greenery were three times as likely to be physically active and 40% less likely to be overweight or obese than those in the least green settings.



EUREKA

STREET TREE PLANTING GUIDE

EUREKA "A Tree Lined City"

In 2002 the Eureka City Council voted to make Eureka a tree-lined city. The City of Eureka encourages planting of trees along public streets. As a property owner, you may plant a tree in a planting strip or a sidewalk in front of your home if you first obtain a permit from the Engineering Department.

STEPS TO GETTING YOUR STREET TREES

1. Contact Keep Eureka Beautiful to get your Street Tree Agreement and map put together
2. City to review and approve the planting location and tree type in order to avoid utility lines above or below ground as well as to preserve traffic visibility and safeguard sidewalks.
3. City will cut the sidewalk holes and Keep Eureka Beautiful will plant the tree during a designated planting.

ALTERNATIVES

Don't want to wait?

Contact the City of Eureka Engineering at 707-441-4194 to do a street tree planting on your own under a no-fee encroachment permit

Don't have a location for trees?

Contact the City of Eureka Engineering at 707-441-4194 to determine if planters could be a viable alternative.

PROPERTY OWNER RESPONSIBILITIES

Plant and site trees in accordance with City specifications.

Watering and maintenance including: pruning to remove low-hanging or damaged branches and keep branches clear of overhead lines.

Accept full responsibility for the maintenance of your trees, responding in a timely manner to City requests to maintain trees.

Sign an agreement which will indemnify and defend the City from all claims for damages which may occur. (Homeowner's insurance normally covers this but it is a good idea to double-check with your insurance agent.

Make sidewalk repairs, if necessary, due to tree root damage - something that is less likely to happen with appropriate planting.

When trees are mature, the limbs shall be trimmed to maintain a minimum of 10'

clearance from the lowest limb to the street (per EMC 98.03).

STREET TREE SIDEWALK DAMAGE DISCLOSURE

Trees are living plants that have the potential to uplift and cause damage to nearby sidewalk. Per the CA Streets and Highways Code (sec. 5610), property owners are responsible for addressing necessary repairs in sidewalk fronting their property. Additionally, damage from a tree resulting from this agreement shall be repaired at the cost of the property owner.

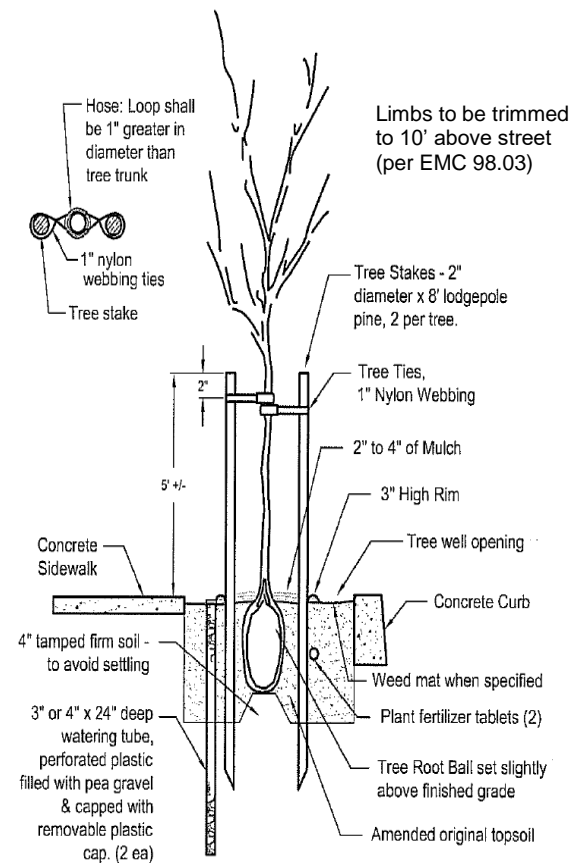
Although there is no guarantee, maintaining your tree and utilizing the below preventative measures can help protect against sidewalk damage from a street tree.

Pick smaller slower growing trees and bigger tree wells - Smaller slower growing trees will slow the rate of possible root intrusion under adjacent sidewalk allowing for better maintenance and less conflict with nearby utilities or signs. Bigger wells also enhance tree health and provide other easier paths for roots to grow throughout the tree's life.

Ensure your nearby utilities are in good shape- Tree roots grow toward water and other available nutrients. If your nearby water or sewer lines are leaking, this could cause tree growth in unwanted areas.

Water Deep and Water less - KEB installs watering pipes to allow for deep watering. The deep watering encourages the tree roots to grow downward rather than upward and outward toward nearby sidewalk. Also, watering less will reduce the rate of tree growth and root expansion.

Plan for growth - Eventually your tree will need additional space or require removal. By monitoring and maintaining your tree over time, you will become aware of how the roots are



growing. Use this information to plan for expansion of your tree well or replacement based on the health of your tree and the available sidewalk area.

TREE PLACEMENT

Before you plant, know what is in the ground. Mark the property boundary with white spray chalk. Contact Underground Service Alert (USA) at (800) 642-2444 at least two working days to have the utilities marked so that trees can be placed according to City of Eureka requirements.

GUIDELINES FOR TREE PLANTINGS

Trees need to be large enough to have a good chance of success - at least 15 gallons and minimum of 1 1/2" caliper.

Trees need to be well staked for at least one year.

STREET TREE INSTALLATIONS

The following minimum criteria are for the installation of street trees located in the street right-of-way.

Sidewalks cuts in concrete should be at least 12 square feet unless approved by the engineer. Increasing the area of the sidewalk cuts will decrease the potential for future sidewalk damage and improves tree health by allowing water and nutrients to get to the tree roots.

Pedestrian access of at least 4' wide must be maintained per ADA standards. In areas of narrow sidewalk, City approved sidewalk tree grates, permeable sidewalk surfaces like pavers, or additional concrete around the back of sidewalk can be used to maintain the required minimum sidewalk width. Modified tree wells may be required for 6' wide sidewalks.

Tree trunks shall be at least 18" from the front face of curb.

Trees shall be at least 30' from traffic signals or stop signs and cross street right-of-way.

Where speed is 25 MPH or less, trees need only be 20' from cross street right-of-way.

Trees shall be at least 15' from alley right-of-way, driveways, wires and cable TV

Trees shall be at least 15' in front of regulatory signs and 10' behind.

Trees shall be at least 20' from street light poles and 10' from other utility poles.

Trees shall be at least 10' from fire hydrants.

Trees shall be at least 5' from underground water, sewer, gas, electric, telephone and cable TV services and at least 10' from underground utility vaults.