

City Of Susanville

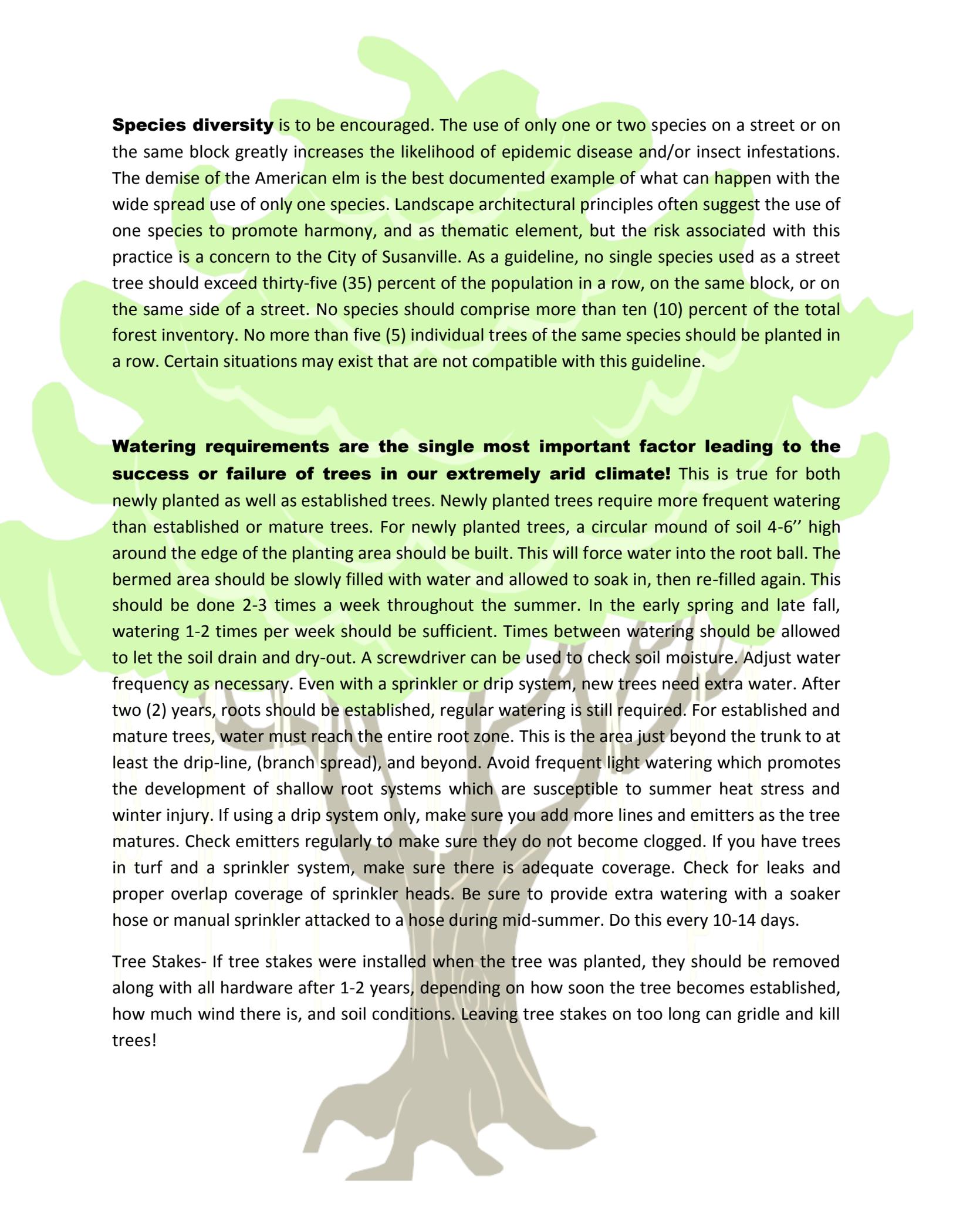
Approved Street Tree Species List

(Revised- 2013)

The selection of appropriate street trees is very important for the establishment and long term health or urban forest. The primary factors considered in the development of the following Approved Street Trees List include : drought tolerance, insect and disease resistance, available space above and below ground, size at maturity, cold hardiness, branching habit, and liability issues (thorns, heavy fruit, poisonous, tendency for roots to damage hardscape, etc.). This document contains a list of tree species that are **approved** for use as street trees, as well as a list of tree species that are specifically **not allowed** for use as street trees within the City of Susanville. Additionally, there is a section listing trees that are “columnar” in form typically used in narrow locations or in confined tree pits that have minimal setbacks from streets or buildings. It is the intent of the City of Susanville that this information be used by homeowners, planners, developers, landscape architects, landscape contractors, and others who share a common interest in trees.

Several guidelines have also been developed in conjunction with Susanville Municipal Code 12.36.050 to maximize the success of future tree plantings and minimize maintenance costs. It is important to **Plant the right tree in the right place.**

CMC 12.36.100 Requires a Tree Work Permit be obtained prior to planting, removing, pruning, cutting of or damaging any roots, or treating any tree with pesticides for any tree on City of Susanville property. This includes public planting strips and areas within public street rights-of-way. Public planting strips, sometimes called “Parkways”, are the areas between the curb and sidewalk. These areas are within the public rights-of-way and vary in width. The public rights-of-way may also extend a given distance at the back of sidewalk or behind a curb in the absence of a planting strip. The permit must be obtained before any work is done on City of Susanville property. Tree permits may be obtained at no cost from the Public Works Department. Any person desiring to obtain a tree planting, pruning or removal permit must hold a current International Society of Arboriculture Arborist or C-61/D-49 license and a City of Susanville Business License. For those desiring to obtain a tree planting permit only, a current business license or Certified Landscape Technician is acceptable. The Public Works Department can also assist in determining property ownership. **Please call (530-257-1041) for permits or assistance.**



Species diversity is to be encouraged. The use of only one or two species on a street or on the same block greatly increases the likelihood of epidemic disease and/or insect infestations. The demise of the American elm is the best documented example of what can happen with the wide spread use of only one species. Landscape architectural principles often suggest the use of one species to promote harmony, and as thematic element, but the risk associated with this practice is a concern to the City of Susanville. As a guideline, no single species used as a street tree should exceed thirty-five (35) percent of the population in a row, on the same block, or on the same side of a street. No species should comprise more than ten (10) percent of the total forest inventory. No more than five (5) individual trees of the same species should be planted in a row. Certain situations may exist that are not compatible with this guideline.

Watering requirements are the single most important factor leading to the success or failure of trees in our extremely arid climate! This is true for both newly planted as well as established trees. Newly planted trees require more frequent watering than established or mature trees. For newly planted trees, a circular mound of soil 4-6" high around the edge of the planting area should be built. This will force water into the root ball. The bermed area should be slowly filled with water and allowed to soak in, then re-filled again. This should be done 2-3 times a week throughout the summer. In the early spring and late fall, watering 1-2 times per week should be sufficient. Times between watering should be allowed to let the soil drain and dry-out. A screwdriver can be used to check soil moisture. Adjust water frequency as necessary. Even with a sprinkler or drip system, new trees need extra water. After two (2) years, roots should be established, regular watering is still required. For established and mature trees, water must reach the entire root zone. This is the area just beyond the trunk to at least the drip-line, (branch spread), and beyond. Avoid frequent light watering which promotes the development of shallow root systems which are susceptible to summer heat stress and winter injury. If using a drip system only, make sure you add more lines and emitters as the tree matures. Check emitters regularly to make sure they do not become clogged. If you have trees in turf and a sprinkler system, make sure there is adequate coverage. Check for leaks and proper overlap coverage of sprinkler heads. Be sure to provide extra watering with a soaker hose or manual sprinkler attached to a hose during mid-summer. Do this every 10-14 days.

Tree Stakes- If tree stakes were installed when the tree was planted, they should be removed along with all hardware after 1-2 years, depending on how soon the tree becomes established, how much wind there is, and soil conditions. Leaving tree stakes on too long can girdle and kill trees!

Evergreen Trees are not allowed as street trees in planting strips due to shading in winter which inhibits melting of snow/ice from walks and streets and low branches which create safety problems from lack of visibility, and interference with pedestrians, vehicles, and traffic control devices. The City of Susanville recognizes that certain small, columnar or other evergreen trees may be utilized in special circumstances with the approval of the Public Works Department.

Minimum grow space requirements need to be followed. Five feet (5') is the minimum planting strip width suitable for planting trees. Shrubs may be used in those situations where only five feet or less is available for planting. Problems occur with tree roots lifting sidewalks, cracking pavement/concrete, displacing curbs and gutters, heat stress, and mechanical injury to roots. The use of root barriers is considered a short term solution and is not generally acceptable.

Mature tree size should match the available space. For the purposes outlined here, planting strips/parkways have been divided into the following size categories with corresponding tree/shrub sizes:

<u>Parkway size</u>	<u>Acceptable plants</u>
Less than five feet wide	Shrubs only, no trees
Five feet to seven feet wide	Class1 (small trees only)
Seven to ten feet wide	Class1 or 2 (small and/or medium trees)
Greater than ten feet wide	Class 2 or 3 (medium and/or large trees)

Generally the largest tree size category that will fit the space should be used to provide maximum shade, environmental benefits, and tree longevity. **Minimum space between trees** is determined by the City of Susanville depending on the tree species selected. Generally, **small trees can be spaced 15' feet apart; medium trees 25' feet; and large trees 35' feet apart.** If there are special situations such as overhead utility lines, existing walks/driveways, structures, or other utilities, then smaller size categories or columnar tree varieties may be used.

SPECIES NOT APPROVED FOR STREETS OR PARKWAYS

- Box elder – box elder bugs and seeds are a nuisance.....Acer negundo
- Silver maple – weak/brittle wood.....Acer saccharinum
- Russian Olive – thorns and invasive species.....Elaeagnus angustifolia
- Walnut – fruit and insects.....Juglans spp.
- Goldenchain tree – poisonous.....Laburnum anagyroides
- Aspen – not adaptable, shallow roots, diseases.....Populus tremuloides
- Cottonwood – weak/brittle wood, invasive roots, diseases.....Populus spp.
- Black Locust/Purple Robe Locust – limb failure high, borers.....Robinia spp.
- Willow – weak/brittle wood, invasive roots.....Salix spp.
- Tamarisk (Salt Cedar) – invasive/noxious weed listing.....Tamarix spp.
- Elm – Elm leaf beetle infestation, heavy.....Ulmus spp.

***All fruit trees such as apples, pears, peaches, plums, and cherries are not allowed.**

The above Street Tree Species List and Guidelines were officially approved by the City of Susanville on January 26th, 2011.

APPROVED STREET TREE SPECIES

Tree species from the following list are approved by the City of Susanville for planting in the City of Susanville on parkways and other street locations. They are grouped by size class as determined by trunk diameter, height, and crown spread at maturity. The list below is in alphabetical order by scientific name; common names are also shown on the left. Other tree species not found on the approved list **may** be allowed for planting upon approval from the City of Susanville. For additional tree selections that may be appropriate for use on one's own property, please visit the **Water Efficient Landscape Guide** located on the Truckee Meadows Water Authority (TMWA) web site for valuable information.

Class 1. Small Trees: Small trunk diameter, (25 feet or less in height), good for planting beneath power lines.

<u>Common Name</u>	<u>Botanical Name</u>
Trident Maple.....	Acer buergeranum
Hedge Maple.....	Acer campestre
Amur Maple.....	Acer ginnala
Tatarian Maple.....	Acer tataricum
Eastern Redbud.....	Cercis Canadensis
Chitalpa.....	Chilopsis linearis
Turkish Hazel (Filbert)	Corylus colurna
Smoke Tree.....	Cotinus coggygia
Thornless Cockspur Hawthorn.....	Crataegus crus-galli 'Inermis'
Flowering Dogwood (Pagoda Dogwood)....	Cornus alternifolia
Golden Raintree.....	Koelreuteria paniculata
Crabapple (non or small fruit bearing only)..	Malus spp. (many varieties)
Kwansan Cherry.....	Prunus serrulata 'Kwanzan'
Columnar Sargent Cherry.....	Prunus sargentii 'Columnaris'
Purple Leaf Flowering (non-fruit bearing)...	Prunus cerasifera 'Krauter Vesuvius'
'Canada Red' Chokecherry.....	Prunus virginiana 'Canada Red'
Columnar Mountain Ash.....	Sorbus x hybrida 'Fastigiata'
Japanese Tree Lilac.....	Syringa reticulata

Class 2. Medium Trees: Moderate trunk diameter, (30-50 feet in height)

<u>Common Name</u>	<u>Botanical Name</u>
Autumn Blaze Maple.....	Acer x freemanii 'Jeffersred'
Columnar Norway Maple.....	Acer platanoides 'Columnar'
Crimson Sentry Norway Maple.....	Acer platanoides 'Crimson Sentry'
Sycamore Maple.....	Acer pseudoplatanus
Armstrong Maple.....	Acer rubrum 'Armstrong'
October Glory Maple.....	Acer rubrum 'October Glory'
Red Sunset Maple.....	Acer rubrum 'Franksred'
Redpointe Maple.....	Acer rubrum 'Frank Jr.' PP
Legacy Sugar Maple.....	Acer saccharum 'Lagacy'
Heritage River Birch.....	Betula nigra 'Cully'
European Hornbeam.....	Carpinus betulus
Common Hackberry.....	Celtis occidentalis
Autumn Purple Ash.....	Fraxinus Americana 'Autumn Purple'
Flowering Ash.....	Fraxinus ornus
Raywood Ash.....	Fraxinus oxycarpa
Urbanite Ash.....	Fraxinus pennsylvanica 'Urbanite'
Blue Ash.....	Fraxinus quadrangulata
Ginkgo- Maidenhair Tree.....	Ginkgo biloba 'Magyar'
Honeylocust.....	Gleditsia triacanthos 'Shademaster'
Sweetgum.....	liquidambar styraciflua 'Moraine'
Amur Corktree.....	Phellodendron amurense 'His Majesty'
Chinese Pistache.....	Pistacia chinensis
Flowering Pear.....	Pyrus calleryana 'Capital' or 'Chanticleer'
Chinkapin Oak.....	Quercus muehlenbergii
Columnar English Oak.....	Quercus robur 'Fastigiata'

Class 3. Large Trees: Large trunk diameter, (can reach height over 50 feet)

<u>Common Name</u>	<u>Botanical Name</u>
Red Horsechestnut.....	Aesculus x camea 'Briotii'
Ohio Buckeye.....	Aesculus glabra
Northern Catalpa.....	Catalpa speciosa
Hardy Rubber Tree.....	Eucommia ulmoides
European Beech.....	Fagus sylvatica
Kentucky Coffeetree.....	Gymnocladus dioicus
Tulip Tree.....	Liriodendron tulipifera
London Planetree.....	Platanus x acerfolia 'Bloodgood'
Greenspire Linden.....	Tilia cordata 'Greenspire'
Swamp White Oak.....	Quercus bicolor
Scarlet Oak.....	Quercus coccinea
Shingle Oak.....	Quercus imbricaria
Valley Oak.....	Quercus lobata
Bur Oak.....	Quercus macrocarpa
Pin Oak.....	Quercus Palustris
Northern Red Oak.....	Quercus rubra

Other species may be considered with the approval of the Public Works Department.

SPECIAL SECTION OF APPROVED TREES

Columnar Trees- These selections have an upright growth form and are intended for narrow spaces with minimal setbacks so as not to conflict with pedestrian/ vehicular travel or advertising signs near adjacent businesses. They may also be used for planting in 5' x5' tree pits for streetscape projects. Several selections on this list have been used in the City of Susanville to date and have shown good success. Planners and Landscape Architects are encouraged to use these selections in designing streetscapes and commercial properties. Columnar trees also make good screens or buffers along driveways or in backyards. Local nurseries are also encouraged to stock and promote the use of these tree types to clients and customers.

Columnar Norway Maple- Height 35' Spread 15'.....Acer platanoides 'Columnar'

Crimson Sentry Maple- Height 25' Spread 15'.....Acer platanoides 'Crimson Sentry'

Armstrong Maple- Height 45' Spread 15'.....Acer rubrum 'Armstrong'

Apollo Maple- Height 25' Spread 10'.....Acer saccharum 'Barrett Cole' PP

Frans Fontaine Hornbeam- Height 35' Spread 15'.....Carpinus betulus 'Frans Fontaine'

Dawyck Purple Beech- Height 40' Spread 12'.....Fagus sylvatica 'Dawyck Purple'

Fastigate Beech- Height 45' Spread 15'.....Fagus sylvatica 'Fastigiata'

Princeton Sentry Ginkgo- Height 40' Spread 15'.....Ginkgo biloba 'Princeton Sentry'

Emerald Sentinel Sweetgum- Height 30' Spread 12'.....Liquidambar styraciflua 'Clydesform'

Columnar Tulip Tree- Height 50' Spread 15'.....Liriodendron tulipifera 'Fastigiatum'

Capital Pear- Height 35' Spread 12'.....Pyrus calleryana 'Capital'

Green Pillar Oak- Height 50' Spread 15'.....Quercus palustris 'Pringreen' PP

Crimson Spire Oak- Height 45' Spread 15'.....Quercus robur x Q. alba 'Crimschmidt'

Corinthian Linden- Height 45' Spread 15'.....Tilia cordata 'Corzam'

City of Susanville
Approved Street Tree Species List

Revised 2013

City of Susanville

Tree Species List for Landscaping Adjacent to City Sidewalks, Streets, and Utilities

The City of Susanville requests that all new tree planting within the City limits adhere to the following recommended tree species lists.

- While these are not the only trees available for use in our climate, they will require less long-term maintenance as well as provide shade and visual continuity throughout the City.
- The emphasis in this selection is on canopy trees; however, smaller and narrower species are provided for small-scale planting areas. See list C.
- Following the lists are descriptions of the individual trees.
- Other residential tree planting selections not included in this list must be planted at a minimum of five feet from any public paved area.
- Street trees shall be a minimum 2" caliper size.
- Tree locations and size shall conform to the City of Susanville requirements: Street trees shall be set back a minimum of ten feet from water and sewer lines, 30 feet from an intersection, and ten feet from any driveway, hydrant, or street sign. Trees which grow to more than 20 feet in height may not be planted under overhead utility lines.

List A: Street Trees for the older parts of the City

These trees shall be utilized in planting strips between the sidewalk and gutter on streets between Roop and Weatherlow Streets and Carroll and Willow Streets. These trees are appropriate for most residential street planting areas that are a minimum 5 feet wide and continuous in length.

- * *Acer x freemanii* 'Jefferserd' (Autumn Blaze Maple)
- * *Acer saccharum* 'Green Mountain' (Green Mt. Maple)
- * *Fraxinus amerivana* 'Junginger' (Autumn Purple Ash)
- * *Fraxinus pannsylvanica lanceolate* ' Bergeson' (Green Ash)
- * *Platanus acerifolia* ' Bloodgood' (London Plane Tree)
- * *Pyrus calleryana* ' Aristocat' or 'Redspire' (Flowering Pears)
- * *Quercus rubra* (North Red Oak)
- * *Tilia cordata* ' Greenspire' (Greenspire Linden)
- * *Tilia cordata* ' Glenleven Linden)

List B: Canopy Trees for Streetscapes Outside the City Core (In addition to list A)

Most new residential streets in the City of Susanville periphery will be subject to wind and exposure until housing and vegetation fully develops. Many trees that would survive in the future cannot easily withstand the initial exposure. Use Maples with caution.

- * *Acer platanoides* 'Columnarbroad' (Parkway Maple)
- * *Fraxinus pennsylvanica* 'Cimzam' (Cimmaron Ash)
- * *Fraxinus pennsylvanica* 'Patmore' (Patmore Ash)
- * *Fraxinus pennsylvanica* 'Urbanite' (Urbanite Ash)
- * *Gleditsia triacanthos* 'Skycole' (Skyline Honeylocust)
- * *Gleditsia triacanthos* 'Impcole' (Imperial Honeylocust)
- * *Malus* 'Prairifire,' 'Robinson,' And 'Spring Snow' (Crabapples)
- * *Quercus bicolor* (Swamp White Oak)
- * *Prunus virginiana* ' Canada Red' (Chokecherry)

List C: Small Scale Trees

These small-scale trees are recommended for planters 4 feet or less in width, for areas where space is constrained, or where overhead conditions exist and the planting of full-size canopy trees would not be appropriate.

- * *Acer grandidentatum* 'Schmidt' (Rocky Mt. Glow Maple)
- * *Acer ginnala* 'Flame' (single trunk Amur Maple)
- * *Acer tataricum* (Tatarian Maple)
- * *Crataegus crus-galli* "Inermis" (Thornless Cockspur Hawthorn)
- * *Malus* 'Golden Raindrops,' ' Red Barron,' or ' Red Jewel' (Crabapple Species)
- * *Pyrus calleryana* 'Capital' or ' Chanticleer' (Columnar Flowering Pears)
- * *Sorbus aucuparia* ' Michred' (Cardinal Royal Mt. Ash)
- * *Tilia cordata* 'Corinthian' or ' Swedish Upright' (Linden varieties)

City of Susanville

Owner Requirements for the Design and Landscaping of City Maintained Parkways

The following guidelines have been developed to help owners plan for the appropriate planting of parkways in the City of Susanville.

* The parkway area is defined as the linear planter between the sidewalk and curb and gutter.

* These requirements have been developed to assist the City in their care-taking of public parkways, to enhance driver and pedestrian safety, to protect utilities (overhead and underground), and to conform to the criteria set forth by the City of Susanville for street tree and shrub planting.

1. All trees planted shall be selected from the City of Susanville's most current list of approved trees. Other trees will be considered if requested; however, any exceptions must be approved in writing by the City.

2. Tree Locations:

a. Shall conform to the City of Susanville code requirements. Street trees must be set back a minimum of ten feet from water and sewer lines, 30 feet from an intersection, and ten feet from any driveway, hydrant, or street sign. Trees which grow to more than 20 feet in height may not be planted under overhead utility lines.

b. Exceptions to these code requirements shall be made on a case by case basis as needed between Roop and Weatherlow Streets, Carroll to Willow Streets (the historical part of Susanville).

3. All landscaping within the traffic safety site area must provide unobstructed cross-visibility at a level between three feet and eight feet in height. The site safety area is the triangular area defined by "a line joining points on the curb or edge of a roadway 45 feet from the point of intersection of the extended curb lines of edges of roadway." In this area no "shrubbery, mounds of earth, or other visual obstruction over 30 inches in height above the nearest street curb elevation shall be erected, placed, planted, or allowed to grow"

4. Pedestrian access through planted parkways from parked cars to the sidewalk should be planned for.

5. Lawns are encouraged in the primary downtown area where older homes exist.

6. Xeriscape and rock groundcover is not recommended in the primary downtown area where older homes exist. The selection of traditional shrubbery, such as Spiraea, is encouraged over desert like plantings.

7. Vegetable gardening will not be accepted in the parkway areas.

8. The height of shrubbery shall be 36 inches or less on average.

9. Shrubby with distinctive thorns is discouraged in City-maintained parkways.

10. All trees in lawn areas should maintain an area clear of lawn around the base of the tree trunk so that mowers and weed-eaters do not damage the bark.

City of Susanville

Tree Species Description for Parkway Areas

Trees are labeled first with their Scientific or Botanical Names, which can be used to locate additional information in references such as the Sunset Western Golden Book, or plant catalogues. Common name follow in parentheses. Descriptions have been provided from tree grower catalogues. Size and height information is typically for older, mature trees. One can expect up to 20 % less size and height in the City of Susanville due to the dry climate and short growing season.

List A: Street Trees for the Older Part of Town

* *Acer x freemanii* 'Jeffersred' (Autumn Blaze Maple)

Height: 50' Spread: 40'

Shape: Upright branching, broadly oval

Foliage: Medium green

Features: Brilliant orange-red, long lasting fall color

* *Acer saccharum* 'Green Mountain' (Green Mt. Maple)

Height: 45' Spread 35'

Shape: Broadly oval

Foliage: Dark green, leathery

Features: Reddish-orange to red fall color

* *Fraxinus Americana* 'Junginger' (Autumn Purple Ash)

Height: 50' Spread: 40'

Shape: Rounded

Foliage: Green, heavily textured

Features: Fall colors of various hues of reddish-purple

* *Fraxinus pennsylvanica lanceolata* 'Bergeson' (Green Ash)

Height: 50' Spread: 35'

Shape: Upright oval shape

Foliage: Glossy, dark green

Features: Fast growing, yellow fall color

* *Pyrus salleryana* 'Aristocat' (Flowering Pear)

Height: 40' Spread: 28'

Shape: Pyramidal, with open spreading branches; open, informal appearance

Foliage: Narrow, dark green, glossy

Features: White spring flower, deep red, long lasting fall color

* *Pyrus calleryana* 'Redspire' (Flowering Pear)

Height: 35' Spread: 25'

Shape: Pyramidal, dense and symmetrical; formal appearance

Foliage: Medium green and glossy

Features: White spring flowers, yellow to red fall color

* *Quercus rubra* (Northern Red Oak)

Height: 50' Spread: 45'

Shape: Rounded

Foliage: Dark green

Features: Red fall color, acorns

* *Tilia cordata* 'Greenspire' (Greenspire Linden)

Height: 40' Spread: 30'

Shape: Pyramidal, symmetrical; strong central leader and uniform branching

Foliage: Dark green

Features: Yellowish fall color

* *Tilia cordata* 'Glenleven' (Glenleven Linden)

Height: 45' Spread: 30'

Shape: Pyramidal

Foliage: Medium green

Features: Yellowish fall color

List B: Canopy Trees for Streetscapes Outside the Town Core (in Addition to List A)

* *Acer platanoides* 'Columnarbroad' (Parkway Maple)

Foliage: Fine textured, medium green

Features: Yellow fall color; horizontal spreading branch pattern

* Malus 'Prairifire' (Crabapples)

Height: 20' Spread: 20'

Shape: Upright, spreading, rounded

Foliage: Purple, becoming reddish-green

Features: Bright, pinkish red flower, long lasting; 3/8" dark red berry; reddish bark

* Malus 'Robinson'

Height: 25' Spread: 25'

Shape: Upright spreading, rounded

Foliage: Bronze green

Features: Deep pink flower, 2/8" red fruit; fastest growing Crabapple

* Malus 'Spring Snow'

Height: 25' Spread: 22'

Shape: Dense, oval to round

Foliage: Medium green

Features: White spring flowers; no fruit

* Platanus x acerifolia 'Bloodgood' (London Plane Tree)

Height: 50' Spread: 40'

Shape: Broadly pyramidal

Foliage: Medium to dark green, maple-like

Features: Yellow fall color, mottled bark

* Quercus bicolor (Swamp White Oak)

Height: 45' Spread: 45'

Shape: Rounded, open

Foliage: Green, with wavy margins

Features: Yellow brown to reddish, acorns

* *Prunus virginiana* 'Canada Red'

(Canada Red Chpkecherry)

Height: 25' Spread: 20'

Shape: Upright, spreading, rounded

Foliage: Leaves emerge green and turn purple in summer

Features: Small white flowers in long clusters; tend to sucker at the base of the trunk

List C: Small Scale Trees

* *Acer grandidentatum* 'Schmidt'

(Rocky Mt. Glow Maple)

Height: 25' Spread: 15'

Shape: Oval

Foliage: Dark green

Features: Yellow to red; slow growing

* *Acer ginnala* 'Flame'

(Flame Amur Maple)

Height: 20' Spread: 20'

Shape: Round with spreading low branches

Foliage: Medium green, fine textured

Features: Brilliant orange-red to deep-red fall color; one of the hardest trees available

* *Acer tataricum*

(Tatarian Maple)

Height: 25' Spread: 20'

Shape: Oval to rounded, often low branched

Foliage: Medium green

Features: Yellow to orange-red fall color; Attractive red seeds add summer color; similar to Amur Maple but leaves are larger and more rounded.

* *Crataegus crus-galli* 'Inermis'

(Thornless Cockspur Hawthorn)

Height: 25' Spread: 225'

Shape: Rounded, Spreading

Foliage: Leathery, deep green, glossy

Features: Small white flowers; orange or rusty fall color; 3/8" persistent, dark red fruit

* Malus transitoria 'Schmidcutleaf'

(Golden Raindrops Crabapple)

Height: 20' Spread: 15'

Shape: Upright, vase-shaped; delicate appearance- slender limbs

Foliage: Green, deeply cut

Features: White flowers; tiny golden yellow 1/4 " fruit

* Malus 'Red Baron'

(Red Barron Crabapple)

Height: 18' Spread: 8'

Shape; Narrow, columnar

Foliage: Purple, fading to bronze-green

Features: Dark red flower; red 1/2" fruit

* Malus 'Jewelcole'

(Red Jewel Crabapple)

Height: 15' Spread: 12'

Shape: Upright, pyramidal

Foliage: Green

Features: White flower; 1/2" red, very persistent fruit

* Pyrus calleryana 'Capital'

(Flowering Pear)

Height: 35' Spread: 12'

Shape: Columnar

Foliage: Medium green, Glossy

Features: White flower clusters; Reddish-purple fall color

* Pyrus calleryana 'Chanticleer'

Height: 40' Spread: 15'

Shape: Upright, narrowly pyramidal

Foliage: Green, Glossy

Features: White flower clusters; reddish fall color

* Sorbus aucuparia 'Michred'

(Cardinal Royal Mt. Ash)

Height: 35' Spread:20'

Shape; Upright, narrow oval

Foliage: Green

Features: White, flat-topped flower cluster; rusty fall color; bright orange-red fruit