



## **Plant Materials**

# CITY OF CAMAS PLANT MATERIALS

## TABLE OF CONTENTS

TREES FOR NARROW SPACES .....	1
SMALL TREES .....	5
MEDIUM TO LARGE SIZE TREES .....	12
PROHIBITED TREES .....	26
SMALL TO MEDIUM SIZE SHRUBS .....	29
ACCENT SHRUBS .....	30
ORNAMENTAL GRASSES .....	30
GROUND COVERS .....	31

SIZE OF PLANTING AREA, MICROCLIMATE, AESTHETICS, VISIBILITY, SAFETY, AND COMPATIBILITY OF TREES, SHRUBS, AND GROUND COVER SHOULD BE CONSIDERED WHEN SELECTING PLANTS. SUBSTITUTE VARIETIES ARE SUBJECT TO APPROVAL BY THE CITY OF CAMAS. SUBMIT A "CHARACTERISTIC" CARD FROM A NURSERY INCLUDING INFORMATION ON MATURE HEIGHT, SPREAD, AND ROOT SYSTEM (DEEP OR SHALLOW) WHEN REQUESTING A SUBSTITUTE. FOR ADDITIONAL LANDSCAPING REQUIREMENTS, SEE CAMAS MUNICIPAL CODE, TITLE 18, CHAPTER 18.13 LANDSCAPING.



PLANT MATERIAL  
PLANT MATERIAL INDEX

*Jan P. Carstensen* 5-17-19  
DETAIL APPROVED BY DATE

NOT TO SCALE

DETAIL NO.

PM1

REVISION: 1 DATE: 5/17/2019

ST-PLANTING.DWG

**TREES FOR NARROW SPACES**

**(Plant 15'-25' apart, compatible with mature tree size)**

**Typical size at time of planting: 2" minimum caliper (B&B or container)**

Common Name	Botanical Name	Height	Spread	Min. Planter Width (ft.)	Form	Remarks
<a href="#">Adirondack Crabapple</a>	<i>Malus 'Adirondack'</i>	18	10	4	Columnar	Densely upright in an inverted cone. Medium green foliage. White flower bright red fruit.
<a href="#">Amanogawa cherry</a>	<i>Prunus serrulata 'Amanogawa'</i>	20	6	4	Columnar	Very narrow and upright structure, pale pink spring flowers
<a href="#">American smoketree</a>	<i>Cotinus obovatus</i>	30	30	4	Globe	Tolerant of hot and dry sites, attractive fall color, purple flower clusters
<a href="#">Beauty plum semi-dwarf</a>	<i>Prunus salicina 'Beauty'</i>	15	15	4	Globe	Large fruit early summer, needs regular pruning
<a href="#">Big Cis plum</a>	<i>Prunus x cistena 'Schmidtcs'</i>	14	12	4	Globe	Light pink and very fragrant spring flowers, dark purple foliage
<a href="#">Black hawk mountain ash</a>	<i>Sorbus aucuparia 'Black hawk'</i>	25	15	4	Columnar	An upright selection for hardiness and resistance to sunscald. Rounded with maturity.
<a href="#">Black Hawthorne</a>	<i>Crataegus douglasii</i>	25	20	4	Oval	Native to portland metropolitan region, has thorns
<a href="#">Butterfly Japanese Maple</a>	<i>Acer palmatum 'Butterfly'</i>	12	6	4	Umbrella	Stiffly upright in habit. Variegated cream and light green foliage with magenta tint in fall.
<a href="#">Callery Pear 'Capital'</a>	<i>Pyrus calleryana 'Capital'</i>	35	12	4	Pyramidal	It is noted for its early profuse spring bloom, quality glossy green foliage and often excellent fall color
<a href="#">Centurion Crabapple</a>	<i>Malus 'Centurion'</i>	20	15	4	Oval	Purple to bronze foliage in summer. Flower is rose-red. Bright red fruit.
<a href="#">Chinese Pistache</a>	<i>Pistachia chinensis</i>	25	25	4	Globe	Impressive red-orange fall color, attracts wildlife
<a href="#">Chonosuki Crabapple</a>	<i>Malus tschonoskii</i>	30	15	4	Oval	Dark green foliage turns orange, red and purple in fall. Sparse yellow-green fruit.
<a href="#">Cleveland Select Pear (Chanticleer)</a>	<i>Pyrus calleryana 'Chanticleer'</i>	30	20	4	Pyramidal	Glossy green foliage. White flowers. Purplish-red foliage in fall.
<a href="#">columnar goldenchain</a>	<i>Laburnum anagyroides 'Columnaris'</i>	20	10	4	Vase	Dense clusters of bright yellow flowers in spring
<a href="#">Columnar Siberian Crabapple</a>	<i>Malus baccata 'Columnaris'</i>	30	10	4	Columnar	White flower, yellow-red fruit.
<a href="#">Cornelian cherry dogwood</a>	<i>Cornus mas</i>	20	20	4	Umbrella	Gold or red in fall, resistant to verticillium

**TREES FOR NARROW SPACES**  
**(Plant 15'-25' apart, compatible with mature tree size)**  
**Typical size at time of planting: 2" minimum caliper (B&B or container)**

Common Name	Botanical Name	Height	Spread	Min. Planter Width (ft.)	Form	Remarks
<a href="#">Crimson Cloud Hawthorn</a>	<i>Crataegus laevigata</i> 'Crimson Cloud'	25	18	4	Oval	Oval habit. Glossy green leaves. Bright red flower with white center. Bright red fruit. Virtually thornless.
<a href="#">flame maple</a>	<i>Acer ginnala</i> 'Flame'	20	20	4	oval	Fall color, early to leaf out in spring, fragrant flowers
<a href="#">Flowering Dogwood</a>	<i>Cornus florida</i>	25	25	4	Vase	Large number of varieties available
<a href="#">Flowering Plum</a>	<i>Prunus x blireana</i>	20	20	4	Globe	Globe-shaped habit. Foliage is reddish purple or green turning reddish-bronze in fall. Bright pink flower.
<a href="#">Fragrant Snowbell Tree</a>	<i>Styrax obassia</i>	35	25	4	Globe	Slender tree with very large leaves that are dull, fuzzy, and rounded. Drooping white flower clusters 4-8" long.
<a href="#">Fraser's Photinia</a>	<i>Photina fraseri</i>	12	10	4	Globe	Dramatic Foliage Color, Easy Care, Fast Growing. Considered a shrub.
<a href="#">Globe locust</a>	<i>Robinia pseudoacacia</i> 'Inermis'	20	20	4	Globe	Dense. Compact. Spineless. Yellow Fall Color.
<a href="#">Golden Desert Ash</a>	<i>Fraxinus excelsior</i> 'Golden Desert'	20	20	4	Globe	Golden twigs
<a href="#">Golden Raindrops crabapple</a>	<i>Malus</i> 'Schmidtcutleaf'	20	15	4	vase	Unique leaves, white flowers, small golden yellow fruit
<a href="#">Grace smoketree</a>	<i>Cotinus coggygria</i> x <i>obovatus</i> 'Grace'	20	15	4	Globe	Outstanding summer and fall color
<a href="#">Ivory Silk Tree Lilac</a>	<i>Syringa reticulata</i> 'Ivory Silk'	20	15	4	Oval	Upright spreading, in habit. Green foliage. White panicle flower.
<a href="#">Japanese Snowbell</a>	<i>Styrax japonicus</i>	25	25	4	Globe	Covered in june with pure white, bell-shaped flowers. Beautiful small tree.
<a href="#">Japanese Stewartia</a>	<i>Stewartia pseudocamellia</i>	25	25	4	Umbrella	Needs ample water
<a href="#">Japanese Tree Lilac</a>	<i>Syringa reticulata</i>	20	15	4	Oval	Upright, spreading in habit. Green foliage. White panicle, flower. Tree form only.
<a href="#">Korean Stewartia</a>	<i>Stewartia sinensis</i>	25	20	4	Pyramidal	very showy bark flakes off to show a patchwork of green, gray, brown, rust, terra-cotta, and cream.
<a href="#">Kousa Dogwood</a>	<i>Cornus kousa</i>	25	25	4	Globe	Shade tolerant
<a href="#">Merrill Magnolia</a>	<i>Magnolia x loebneri</i> 'Merrill'	25	25	4	Pyramidal	Fragrant white flowers

**TREES FOR NARROW SPACES**

(Plant 15'-25' apart, compatible with mature tree size)

Typical size at time of planting: 2" minimum caliper (B&B or container)

Common Name	Botanical Name	Height	Spread	Min. Planter Width (ft.)	Form	Remarks
<a href="#">Mt Fuji flowering cherry</a>	<i>Prunus serrulata</i> 'Shirotae' (Mt Fuji)	25	25	4	Vase	Attractive Bark, Bird Friendly, Year-round Interest
<a href="#">Paperbark Maple</a>	<i>Acer griseum</i>	25	20	4	Globe	Spreading, rounded crown. Red fall color. Year round interest.
<a href="#">Portugal laurel</a>	<i>Prunus lusitanica</i>	15	15	4	Globe	Shrub species
<a href="#">Prariefire Crabapple</a>	<i>Malus</i> 'Prairie Fire'	20	20	4	Pyramidal	Purple to reddish green foliage. Excellent disease resistance. Long lasting pinkish red flowers and small red fruit.
<a href="#">Purple Prince crabapple</a>	<i>Malus</i> 'Purple Prince'	20	20	4	globe	Purple bronze foliage, rose red flower
<a href="#">Red Barron Crabapple</a>	<i>Malus</i> 'Red Barron'	18	8	4	Columnar	Columnar habit. Reddish-purple leaves becoming bronze-green. Dark red flower. Dark red, 1/2" fruit.
<a href="#">Red Jewel™ Crabapple</a>	<i>Malus</i> 'Jewelcole'	15	12	4	Pyramidal	Green foliage. White foliage. Red fruit, very persistent through the winter.
<a href="#">roughbark maple</a>	<i>Acer triflorum</i>	20	20	4	Globe	Fall color, textured bark
<a href="#">Sango Kaku Japanese Maple</a>	<i>Acer palmatum</i> 'Sango Kaku'	18	14	4	Umbrella	Upright habit with bright medium green foliage and gold fall color.
<a href="#">Saucer Magnolia</a>	<i>Magnolia x soulangeana</i>	25	25	4	Pyramidal	Early-spring blossoms are pinkish-purple outside, white inside. Medium fast-growing, good pollution tolerance.
<a href="#">Serviceberry</a>	<i>Amelanchier x grandiflora</i>	25	15	4	Oval	White flowers, edible fruit
<a href="#">Shirofugen flowering cherry</a>	<i>Prunus serrulata</i> 'Shirofugen'	25	25	4	Vase	Pink buds, large fragrant flowers
<a href="#">Snowcone Japanese snowbell</a>	<i>Styrax japonicus</i> 'JFS-D'	20	20	4	Globe	Pendulous white flowers, water weekly for first three summers
<a href="#">Snowdrift crabapple</a>	<i>Malus</i> 'snowdrift'	25	25	4	Globe	The bright white flowers in the spring are followed by small, red-orange fruit eaten by birds. Fall color is good, providing a dull yellow glow
<a href="#">Southern Magnolia</a>	<i>Magnolia grandiflora</i> 'Victoria' or 'Little Gem'	25	25	4	Globe	Large fragrant white flowers
<a href="#">spire cherry</a>	<i>Prunus x hilleri</i>	30	10	4	Columnar	Orange-red fall color, pink flowers in spring
<a href="#">Summer Sprite linden</a>	<i>Tilia cordata</i> 'Halka'	20	15	4	globe	Dense compact crown, sheared appearance, yellow fall color
<a href="#">Tall Stewartia</a>	<i>Stewardia montadelpha</i>	25	20	4	Globe	

**TREES FOR NARROW SPACES**

**(Plant 15'-25' apart, compatible with mature tree size)**

**Typical size at time of planting: 2" minimum caliper (B&B or container)**

Common Name	Botanical Name	Height	Spread	Min. Planter Width (ft.)	Form	Remarks
<a href="#">Wedding Bells silverbell</a>	<i>Halesia carolina</i> 'Wedding Bells'	20	15	4	Oval	White bell-shaped flowers, yellow fall foliage
<a href="#">Western Serviceberry</a>	<i>Amelanchier alnifolia</i>	20	20	4	Oval	Native to portland metropolitan region
<a href="#">Winter Flowering Cherry</a>	<i>Prunus subhirtella</i> 'Autumnalis'	25	25	4	Vase	Better tolerance for summer heat and winter cold than most of the flowering cherries.

**SMALL TREES**  
**Suitable Under Utility Wires**  
**(Plant 20'-30' apart, compatible with mature tree size)**  
**Typical size at time of planting: 2" minimum caliper (B&B or container)**

Common Name	Botanical Name	Mature Height (ft.)	Canopy Spread (ft.)	Minimum Planter Width (ft.)	Form	Deciduous	Remarks
<a href="#">Akebono Flowering Cherry</a>	<i>Prunus x yedoensis</i> 'Akebono'	25	25	4	Vase	YES	Upright spreading with bright green foliage. Delicate pink flowers in spring. Yellowish fall color.
<a href="#">American Hornbeam</a>	<i>Carpinus caroliniana</i>	25	20	4	Oval	YES	Needs ample water
<a href="#">Amur maackia</a>	<i>Maackia amurensis</i>	25	20	4	Oval	YES	Showy flowers, gold fall color
<a href="#">Apollo™ Maple</a>	<i>Acer saccharum</i> 'Barrett Cole'	25	10	4	Columnar	YES	Dense branching and compact form ideal for limited spaces. Summer foliage is dark green. Yellow orange to red fall color. Withstands heat well.
<a href="#">Arnold tuliptree</a>	<i>Liriodendron tulipifera</i> 'Arnold'	30	10	4	Columnar	YES	Fast grower, narrow crown, susceptible to aphids
<a href="#">Autumn Blaze Pear</a>	<i>Pyrus calleryana</i> 'Autumn Blaze'	30	25	4	Globe	YES	Rounded shape with spreading branches. Foliage emerges with a red tint and matures to glossy green. White flowers. Purplish-red fall color.
<a href="#">Autumn Brilliance Serviceberry</a>	<i>Amelanchier x grandiflora</i> 'Autumn Brilliance'	20	15	4	Oval	YES	Upright, moderately spreading habit. Bright red fall color. White flower clusters in spring. Tree form only.
<a href="#">Beijing Gold tree lilac</a>	<i>Syringa pekinensis</i> 'Zhang Zhiming'	20	20	4	Vase	YES	Upright spreading crown, sprays of yellow flowers in June
<a href="#">Butterflies Magnolia</a>	<i>Magnolia acuminata</i> <i>x denudata</i>	20	20	4	Pyramidal		Showy yellow flowers

**SMALL TREES**  
**Suitable Under Utility Wires**  
**(Plant 20'-30' apart, compatible with mature tree size)**  
**Typical size at time of planting: 2" minimum caliper (B&B or container)**

Common Name	Botanical Name	Mature Height (ft.)	Canopy Spread (ft.)	Minimum Planter Width (ft.)	Form	Deciduous	Remarks
<a href="#">Canada Red Chokecherry</a>	<i>Prunus virginiana</i> 'Canada Red'	25	20	4	Globe	YES	Upright round habit. Foliage green in spring, to dark purple in summer, to reddish in autumn. Small white flowers in long clusters. Red-purple fruit.
<a href="#">Candian serviceberry</a>	<i>Amelanchier canadensis</i>	25	10	4	Oval	YES	Showy white flowers in spring, fruiting in summer.
<a href="#">Cascade Snow Cherry</a>	<i>Prunus</i> 'Cascade Snow'	25	20	4	Vase	YES	Disease resistant; white flowers
<a href="#">Cherry Plum</a>	<i>Prunus cerasifera</i>	20	20	4	Globe	YES	Light pink flowers; purple leaves
<a href="#">Chinese Dogwood</a>	<i>Cornus kousa</i> 'Chinensis'	25	25	4	Globe	YES	Dark green foliage becomes red in fall. White flower and pinkish-red fruit.
<a href="#">Chinese fringetree</a>	<i>Chionanthus retusus</i>	25	25	4	Globe	YES	Showy flower, fruit attracts birds, generally requires little maintenance
<a href="#">Chojuro Asian pear</a>	<i>Pyrus pyrifolia</i> 'Chojuro'	30	15	4	Oval	YES	Edible fruit, needs regular pruning
<a href="#">City Sprite zelkova</a>	<i>Zelkova serrata</i> 'City Sprite'	24	18	4	Oval	YES	Dense compact crown, low maintenance
<a href="#">Columnar Sargent Cherry</a>	<i>Prunus sargentii</i> 'Columnaris'	30	10	4	Vase	YES	Green foliage. Deep pink flowers. Orange red fall color.
<a href="#">Common Chokecherry</a>	<i>Prunus virginiana</i>	25	20	4	Oval	YES	Leaves are 2 to 4 inches long. Flowers in 3- to 6-inch clusters. Astringent red to black fruits. Nice fall color.
<a href="#">Crimson Pointe plum</a>	<i>Prunus cerasifera</i> 'Cripoizam'	25	10	4	Oval	YES	Narrow crown, pink buds open to white blooms, purple foliage
<a href="#">Cumulus Serviceberry</a>	<i>Amelanchier laevis</i> 'Cumulus'	25	8	4	Oval	YES	A small tree with showy white flowers in early spring and brilliant fall colors, and good growth

**SMALL TREES**  
**Suitable Under Utility Wires**  
**(Plant 20'-30' apart, compatible with mature tree size)**  
**Typical size at time of planting: 2" minimum caliper (B&B or container)**

Common Name	Botanical Name	Mature Height (ft.)	Canopy Spread (ft.)	Minimum Planter Width (ft.)	Form	Deciduous	Remarks
							habit; a great choice for the small home landscape
<a href="#">Eastern Redbud</a>	<i>Cercis canadensis</i>	25	30	4	Globe	YES	Dark green leaves turn yellow in fall. Pink flower. Very shade tolerant. May suffer damage in windstorms.
<a href="#">Eddie's White Wonder Dogwood</a>	<i>Cornus</i> 'Eddies White Wonder'	25	20	4	Pyramidal	YES	White flowers; red in fall; transplants readily
<a href="#">Edith Bogue magnolia</a>	<i>Magnolia grandiflora</i> 'Edith Boque'	30	15	4	Pyramidal	NO	Dense evergreen tree with bold, glossy foliage and 8 inches wide, highly fragrant, creamy white flowers
<a href="#">Elizabeth magnolia</a>	<i>Magnolia acuminata</i> 'Elizabeth'	25	15	4	Pyramidal	YES	Yellow flower
<a href="#">Flowering Cherry 'Kwanzan'</a>	<i>Prunus</i> 'Kwanzan'	30	20	4	Vase	YES	Vase-shaped habit. Dark green foliage becomes bronze or orange in fall. Deep pink flower. Minimum 6 foot graft.
<a href="#">Galaxy Magnolia</a>	<i>Magnolia liliflora x sprengeri</i>	30	15	4	Pyramidal		Deciduous; strong central leader
<a href="#">Giant Dogwood</a>	<i>Cornus contorversa</i>	30	40	4	Vase	YES	Large white flowers; red fall color, fast growing
<a href="#">Gloryblower Tree</a>	<i>Clerodendrum trichotomum</i>	20	20	4	Globe	YES	Dark green leaves. Fragrant white flower clusters and blue-green fruit.
<a href="#">Henry Maple</a>	<i>Acer henryi</i>	25	25	4	Globe	YES	Trifoliate, green with a bronze tint in spring; red in fall
<a href="#">Hosui Asian pear</a>	<i>Pyrus pyrifolia</i> 'Hosui'	15	10	4	columnar	YES	Produces delicious edible fruit, attracts butterflies
<a href="#">Japanese black pine</a>	<i>Pinus thunbergiana</i>	30	20	4	Pyramidal		Irregular shape
<a href="#">Japanese hornbeam</a>	<i>Carpinus japonica</i>	25	25	4	Globe	YES	Attractive foliage, usually trouble free

**SMALL TREES**  
**Suitable Under Utility Wires**  
**(Plant 20'-30' apart, compatible with mature tree size)**  
**Typical size at time of planting: 2" minimum caliper (B&B or container)**

Common Name	Botanical Name	Mature Height (ft.)	Canopy Spread (ft.)	Minimum Planter Width (ft.)	Form	Deciduous	Remarks
<a href="#">June Snow Dogwood</a>	<i>Cornus controversa</i> 'June Snow'	30	35	4	Vase	YES	Wide spreading, flowers in may/june
<a href="#">Lavalle Hawthorne</a>	<i>Crataegus x lavallei</i>	28	20	4	Oval	YES	Upright oval habit. Dark green foliage. Bronze fall color. Orange red fruit.
<a href="#">Leprechaun™ Ash</a>	<i>Fraxinus pennsylvanica</i> 'Johnson'	18	6	4	Oval	Yes	This is a genetic dwarf form of Green Ash, miniature in every way when compared to the species.
<a href="#">Marilee crabapple</a>	<i>Malus</i> 'Jarmin'	24	10	4	Oval	YES	Pink buds open to white blooms, generally fruitless, narrow crown
<a href="#">Mayflower</a>	<i>Crataegus laevigata</i>	25	18	4	Globe	YES	Red flowers; fruit with star-shaped area in center
<a href="#">Mt. St. Helens plum</a>	<i>Prunus</i> 'Frankthrees'	20	20	4	Vase	YES	Dense crown, purple foliage emerges early, light pink flowers
<a href="#">National Chinese dogwood</a>	<i>Cornus kousa</i> 'National'	25	25	4	Vase	YES	Red, gold, or multi-colored in fall, resistant to verticillium
<a href="#">Newport Plum</a>	<i>Prunus cerasifera</i> 'Newport'	20	20	4	Globe	YES	Globe-shaped habit. Dark purple leaves change to reddish in fall. Flower is light pink. Dull purple fruit.
<a href="#">Oregon Myrtle</a>	<i>Umbellularia californica</i>	30	40	4	Oval	YES	
<a href="#">Pacific Sunset Maple</a>	<i>Acer truncatum</i> x <i>A. platanoides</i> 'Warrenred'	30	25	4	Globe	YES	Dark green foliage becomes yellow, orange and red in fall.
<a href="#">Pacific Sunset Maple</a>	<i>Acer truncatum</i> x <i>platanoides</i> 'Pacific Sunset'	30	25	4	Oval	YES	Outstanding glossy summer foliage changes to tints of yellow, red, and orange in the fall.
<a href="#">Paul's Scarlet hawthorn</a>	<i>Crataegus laevigata</i> 'Paul's Scarlet'	22	20	4	Oval	YES	Thorny branches, double rose flowers

**SMALL TREES**  
**Suitable Under Utility Wires**  
**(Plant 20'-30' apart, compatible with mature tree size)**  
**Typical size at time of planting: 2" minimum caliper (B&B or container)**

Common Name	Botanical Name	Mature Height (ft.)	Canopy Spread (ft.)	Minimum Planter Width (ft.)	Form	Deciduous	Remarks
<a href="#">Pink Flair™ Cherry</a>	<i>Prunus sargentii</i> 'JFS-KW58'	25	15	4	Columnar	YES	Compact height. Well suited to urban landscapes. Consistently bright orange-red fall color. Single pink flowers in clusters. Blooms later than typical, avoiding frost damage.
<a href="#">Princess Diana Serviceberry</a>	<i>Amelanchier x grandiflora</i> 'Princess Diana'	25	15	4	Globe	YES	White flowers, edible fruit
<a href="#">Professor Sprenger Crabapple</a>	<i>Malus</i> 'Professor Sprenger+A86'	20	20	4	Oval	YES	Oval in habit. Green foliage. White flowers. Orange red fruit
<a href="#">Purple Fountain beech</a>	<i>Fagus sylvatica</i> 'Purple Fountain'	25	15	4	Columnar	YES	Weeping foliage is deep purple with no change in fall
<a href="#">Red Horse Chestnut</a>	<i>Aesculus x carnea</i>	30	35	4	Globe	YES	Long rosy cluster; small variety; spiky nuts
<a href="#">Robinson Crabapple</a>	<i>Malus</i> 'Robinson'	25	25	4	Globe	YES	Fast growing; pink flowers; red fruit
<a href="#">Royal Burgundy Cherry</a>	<i>Prunus serrulata</i> 'Royal Burgundy	30	20	4	Vase	YES	Vase shaped. Purple red foliage. Red orange fall color. Large double pink flowers.
<a href="#">September Goldenrain</a>	<i>Koelreuteria paniculata</i> 'September'	30	25	4	Globe	YES	Green leaves. Yellow and orange fall color. Yellow flowers.
<a href="#">Shiro plum semi-dwarf</a>	<i>Prunus salicina</i>	25	25	4	Oval	YES	Large fruit, showy white flower
<a href="#">Snow Goose cherry</a>	<i>Prunus</i> 'Snow Goose'	20	20	4	Vase	YES	Upright crown becomes wider with age, white flowers
<a href="#">Snow Goose Cherry</a>	<i>Prunus</i> 'Snow Goose'	20	20	4	Vase	YES	Disease resistant; white flowers; widens w/ age
<a href="#">Snowcloud Serviceberry</a>	<i>Amelanchier laevis</i> 'Snowcloud '	25	15	4	Oval	YES	Tree form only in planting strip. Upright oval in habit. Dark green leaves.

**SMALL TREES**  
**Suitable Under Utility Wires**  
**(Plant 20'-30' apart, compatible with mature tree size)**  
**Typical size at time of planting: 2" minimum caliper (B&B or container)**

Common Name	Botanical Name	Mature Height (ft.)	Canopy Spread (ft.)	Minimum Planter Width (ft.)	Form	Deciduous	Remarks
							Scarlet leaves in fall. White flower clusters. Blue-purple fruit. The non-tree form may be planted behind sidewalk and curb.
<a href="#">Stellar Pink Dogwood</a>	<i>Cornus kousa x florida</i>	20	20	4	Globe	YES	Disease resistant; pink flowers
<a href="#">Strawberry Tree</a>	<i>Arbutus 'Marina'</i>	30	30	4	Umbrella		Broadleaf evergreen
<a href="#">Sugar Tyme Crabapple</a>	<i>Malus 'Sutyzam'</i>	18	15	4	Oval	YES	Pink buds; white flower
<a href="#">Summer Charm tree lilac</a>	<i>Syringa pekinensis 'Summer Charm'</i>	20	20	4	Oval	YES	Glossy foliage, sprays of creamy white flowers, yellow fall color
<a href="#">Tatarian maple</a>	<i>Acer tataricum</i>	25	15	4	Oval	YES	Tolerant of urban stresses, fall color, compact crown
<a href="#">Thornless Cockspur Hawthorn</a>	<i>Crataegus crus-galli</i>	25	25	4	Globe	YES	No thorns; orange fall color
<a href="#">Thundercloud plum</a>	<i>Prunus cerasifera 'Thundercloud'</i>	20	20	4	Globe	YES	Retains deep purple leaf color through the growing season, pink flowers
<a href="#">Trinity Pear</a>	<i>Pyrus calleryana 'Trinity'</i>	30	25	4	Oval	YES	Glossy green foliage. Orange red fall color. White flowers.
<a href="#">Vanessa Persian ironwood</a>	<i>Parrotia persica 'Vanessa'</i>	30	15	4	Oval	YES	Beautiful bark and fall color, slow growing and long-lived
<a href="#">Venus Dogwood</a>	<i>Cornus kousa x nutalli</i>	25	20	4	Globe	YES	Very large white flowers; vigorous growth
<a href="#">Washington hawthorn</a>	<i>Crataegus phaenopyrum</i>	25	20	4	Oval	YES	Attractive fall color, orange-red fruit matures in winter and attracts birds
<a href="#">Western Juniper</a>	<i>Juniperus Occidentalis</i>	25	50	4	Globe	No	The cones are an important food for several birds.

**SMALL TREES**  
**Suitable Under Utility Wires**  
**(Plant 20'-30' apart, compatible with mature tree size)**  
**Typical size at time of planting: 2" minimum caliper (B&B or container)**

Common Name	Botanical Name	Mature Height (ft.)	Canopy Spread (ft.)	Minimum Planter Width (ft.)	Form	Deciduous	Remarks
<a href="#">Wireless™ Zelkova</a>	<i>Zelkova serrata</i> 'Schmidtlow'	24	36	4	Vase	YES	Broadly spreading vase. Medium green foliage. Red fall color.
<a href="#">Yoshino Cherry</a>	<i>Prunus x yeodoensis</i>	30	30	4	Umbrella	YES	Spreading in habit. Green foliage. Yellow fall color. White flowers with pink tint.
<a href="#">Zebrina Himalayan pine</a>	<i>Pinus walliniana</i> 'Zebrina'	30	20	4	Oval		Dwarf pine, slow growing
<a href="#">Zumi Calocarpa Crabapple</a>	<i>Malus x zumi</i>	20	25	4	Globe	YES	Disease resistant; white flowers; red fruit

**MEDIUM TO LARGE SIZE TREES**  
**(Not for under or adjacent to overhead utility lines)**  
**(Plant 30'-50' apart, compatible with mature tree size)**  
**Typical size at time of planting: 2" minimum caliper (B&B or container)**

Common Name	Botanical Name	Mature Height (ft.)	Canopy Spread (ft.)	Min. Planting Strip Width (ft.)	Form	Characteristics
<a href="#">Accolade™ Elm</a>	<i>Ulmus japonica x wilsonia</i>	70	60	6	Vase	Vase shaped with arching limbs. Glossy dark green foliage. Yellow fall color. Resistant to elm leaf beetle and dutch elm disease.
<a href="#">American Beech</a>	<i>Fagus grandifolia</i>	50	40	8	Oval	Slow growing; striking grey bark
<a href="#">American Hophornbeam</a>	<i>Ostrya virginiana</i>	35	25	4	Oval	Medium green foliage. Yellow fall color.
<a href="#">American Linden</a>	<i>Tilia americana</i>	60	30	6	Globe	Tolerant of urban stresses
<a href="#">American Yellowwood</a>	<i>Cladrastis kentuckia</i>	35	35	4	Globe	Fragrant, white, pendulous flowers. Yellow to bright green foliage. Orange yellow fall color. White fragrant flower clusters.
<a href="#">Amur Corktree</a>	<i>Phellodendron amurense</i>	40	30	6	Globe	Fragrant leaves and fruit
<a href="#">Aristocrat Pear</a>	<i>Pyrus calleryana 'Aristocrat'</i>	40	28	4	Pyramidal	Narrow, dark, glossy green leaves. White flowers. Storm resistant and informal appearance.
<a href="#">Armstrong Maple</a>	<i>Acer rubrum 'Armstrong'</i>	45	15	6	Columnar	Light green foliage. Yellow to orange red fall color. Good street tree where space demands a tree that doesn't spread. Fall color not as good as bowhall.
<a href="#">Atlas cedar</a>	<i>Cedrus atlantica</i>	65	40	10	Pyramidal	Blue green needles, fragrant
<a href="#">Austrian pine</a>	<i>Pinus nigra</i>	55	40	10	Pyramidal	Dark green needles
<a href="#">Autumn Blaze Maple</a>	<i>Acer x freemanii 'Jeffersred'</i>	50	30	6	Columnar	Good fall color. Established trees have some tolerance for drought conditions.

**MEDIUM TO LARGE SIZE TREES**

**(Not for under or adjacent to overhead utility lines)**

**(Plant 30'-50' apart, compatible with mature tree size)**

**Typical size at time of planting: 2" minimum caliper (B&B or container)**

Common Name	Botanical Name	Mature Height (ft.)	Canopy Spread (ft.)	Min. Planting Strip Width (ft.)	Form	Characteristics
<a href="#">Autumn Flame red maple</a>	<i>Acer rubrum</i> 'Autumn Flame'	50	40	6	Oval	Fall color, many varieties such as 'armstrong', 'bowhall', 'franks red', 'morgan', & 'scarsen'
<a href="#">Autumn Gold Ginkgo</a>	<i>Ginkgo biloba</i> 'Autumn Gold'	45	35	4	Globe	Narrow form in youth broadens with age. Medium green foliage. Striking golden yellow fall color is characteristic of this seedless clone. Male only.
<a href="#">Bald Cypress</a>	<i>Taxodium distichum</i>	55	30	8	Pyramidal	Deciduous conifer; wet/dry sites; urban tolerant
<a href="#">Bigleaf Maple</a>	<i>Acer macrophyllum</i>	70	60	10	Globe	Broad-topped, dense shade tree. Large 3- to 5-lobed leaves are 6 to 15 inches wide. Small yellow flowers in drooping clusters in april and may. Yellow fall color.
<a href="#">Bonfire Maple</a>	<i>Acer saccharum</i> 'bonfire'	50	40	8	Globe	Fast growing; orange-red in fall
<a href="#">Bowhall Maple</a>	<i>Acer rubrum</i> 'Bowhall'	40	15	4	Columnar	Upright very narrow. Medium green foliage. Yellow orange to reddish orange fall color.
<a href="#">Brandywine Maple</a>	<i>Acer rubrum</i> 'Brandywine'	40	35	8	Oval	Introduced by the national arboretum. Cross of october glory™ and autumn flame. Deep red fall color ten days later than most red maples.
<a href="#">bur oak</a>	<i>Quercus macrocarpa</i>	65	50	8	Oval	Upright crown becomes round and spreading with maturity, attracts wildlife
<a href="#">Callery Pear</a>	<i>Pyrus calleryana</i>	35	12	4	Columnar	White flowers; red in fall

**MEDIUM TO LARGE SIZE TREES**

**(Not for under or adjacent to overhead utility lines)**

**(Plant 30'-50' apart, compatible with mature tree size)**

**Typical size at time of planting: 2" minimum caliper (B&B or container)**

Common Name	Botanical Name	Mature Height (ft.)	Canopy Spread (ft.)	Min. Planting Strip Width (ft.)	Form	Characteristics
<a href="#">Callery Pear 'Capital'</a>	<i>Pyrus calleryana 'Capital'</i>	35	12	3	Pyramidal	It is noted for its early profuse spring bloom, quality glossy green foliage and often excellent fall color
<a href="#">Canoe or Paper Birch</a>	<i>Betula papyrifera</i>	50	35	8	Oval	Dark green foliage. Yellow fall color. The most permanent of the birches.
<a href="#">Canyon Live Oak</a>	<i>Quercus chrysolepis</i>	60	45	6	Vase	Hardy to usda zone 7 native to southwest oregon, california, nevada, arizona.
<a href="#">Cascara</a>	<i>Rhamnus purshiana</i>	50	50	6	Globe	
<a href="#">Catalpa</a>	<i>Catalpa speciosa</i>	60	40	8	Globe	Withstands hot, dry environments. Medium to fast growth rate. Foliage green, then yellow in fall. Has white flowers. Seed capsules can be messy.
<a href="#">Chancellor™ Linden</a>	<i>Tilia cordata 'Chancole'</i>	35	20	4	Pyramidal	Dark green foliage. Yellow fall color.
<a href="#">Coast Redwood</a>	<i>Sequoia sempervirens</i>	100	60	8	Pyramidal	Generally considered the world 's tallest tree. Soft small evergreen needles, very small cones, red bark. Plant away from vision sensitive areas.
<a href="#">Colorado Spruce</a>	<i>Picea pungens</i>	65	20	10	Pyramidal	Blue-green needles
<a href="#">Columnar English Oak</a>	<i>Quercus robur 'Fastigiata'</i>	45	15	4	Columnar	Dense, medium texture. Dark green foliage, bronze in the fall. 1 inch acorns. Tolerates pollution and restricted root space.
<a href="#">Commemoration Maple</a>	<i>Acer saccharum 'commemoration'</i>	50	35	8	Oval	Fast growing; develops good caliper as a young tree
<a href="#">Continental Appeal Linden</a>	<i>Tilia americana 'Continental Appeal'</i>	50	28	6	Oval	

**MEDIUM TO LARGE SIZE TREES**

**(Not for under or adjacent to overhead utility lines)**

**(Plant 30'-50' apart, compatible with mature tree size)**

**Typical size at time of planting: 2" minimum caliper (B&B or container)**

Common Name	Botanical Name	Mature Height (ft.)	Canopy Spread (ft.)	Min. Planting Strip Width (ft.)	Form	Characteristics
<a href="#">Corinthian linden</a>	<i>Tilia cordata</i> 'Corzam'	45	15	4	Columnar	Narrowest of the linden cultivars
<a href="#">Crimean Linden</a>	<i>Tilia x euchlora</i>	40	35	6	Pyramidal	Glossy foliage; yellow in fall
<a href="#">crimson spire oak</a>	<i>Quercus alba</i> x <i>Q. robur</i> 'Crimschmidt'	45	15	4	Columnar	Narrow crown, rusty red fall color
<a href="#">David Odom Afterburner tupelo</a>	<i>Nyssa sylvatica</i> 'David Odom'	45	20	6	Pyramidal	Named in memorium of local arborist david odom, unique upright structure
<a href="#">Dawn Redwood</a>	<i>Metasequoia glyptostroboides</i>	70	25	8	Pyramidal	Deciduous conifer, looks like a redwood in summer
<a href="#">Dawyck purple beech</a>	<i>Fagus sylvatica</i> 'Dawyck Purple'	40	15	4	Columnar	Deep purple foliage with no change in fall, attractive bark
<a href="#">deodar cedar</a>	<i>Cedrus deodara</i>	80	40	10	Pyramidal	Drought tolerant, attractive bark, weeping cultivar 'pendula' available
<a href="#">Douglas Fir</a>	<i>Pseudotsuga menziesii</i>	100	60	8	Pyramidal	Bark smooth and gray when young, becoming thick, furrowed, black to reddish-brown when mature. Flat, evergreen, linear needles one-inch long. Cones have distinctive 3-pointed bracts. Plant away from clear vision areas.
<a href="#">Dove Tree</a>	<i>Davidia involucrata</i>	35	30	6	Globe	Dove-like flowers
<a href="#">Embers Red Maple</a>	<i>Acer rubrum</i> 'Embers'	40	35	6	Globe	Green foliage. Bright red fall color.
<a href="#">Emerald Sunshine elm</a>	<i>Ulmus propinqua</i> 'JFS-Bieberich'	35	25	4	Vase	Yellow fall color with purple tips, strong upright structure
<a href="#">Engelmann Spruce</a>	<i>Picea engelmannii</i>	100	30	10	Pyramidal	Susceptible to spruce budworm
<a href="#">English Oak</a>	<i>Quercus robur</i>	50	40	8	Globe	Sturdy and adaptable tree with broad and rounded habit. Deep

**MEDIUM TO LARGE SIZE TREES**

**(Not for under or adjacent to overhead utility lines)**

**(Plant 30'-50' apart, compatible with mature tree size)**

**Typical size at time of planting: 2" minimum caliper (B&B or container)**

Common Name	Botanical Name	Mature Height (ft.)	Canopy Spread (ft.)	Min. Planting Strip Width (ft.)	Form	Characteristics
						green foliage with yellow-brown fall color.
<a href="#">European Beech</a>	<i>Fagus sylvatica</i>	50	40	8	Oval	Beautiful bark
<a href="#">European Hophornbeam</a>	<i>Ostrya carpinifolia</i>	40	25	6	Globe	Nutlets in hop-like bunches
<a href="#">European Hornbeam</a>	<i>Carpinus betulus</i>	35	25	4	Globe	Dense crown
<a href="#">Fairmont Maidenhair tree</a>	<i>Ginkgo biloba 'Fairmount'</i>	75	25	4		
<a href="#">fastigate white pine</a>	<i>Pinus strobus 'Fastigiata'</i>	40	10	6	Pyramidal	Narrow form, plant in groups to create a hedge
<a href="#">Forest Green™ Oak</a>	<i>Quercus frainetto 'Schmidt'</i>	50	30	4	Columnar	Glossy deep green foliage.
<a href="#">Fragrant Snowbell Tree</a>	<i>Styrax obassia</i>	35	25	3	Globe	Slender tree with very large leaves that are dull, fuzzy, and rounded. Drooping white flower clusters 4-8" long.
<a href="#">Frans Fontaine hornbeam</a>	<i>Carpinus betulus 'Frans Fontaine'</i>	40	30	4	Columnar	Provides good screening, attractive fall color
<a href="#">Frontier Elm</a>	<i>Ulmus Americana 'Frontier'</i>	40	30	6	Globe	Pest and disease resistant, substitute for american elm
<a href="#">Fruitless Mulberry</a>	<i>Morus alba</i>	35	40	6	Globe	Fruitless
<a href="#">Giant sequoia</a>	<i>Sequoiadendron giganteum</i>	100	40	10	Pyramidal	Largest living organism on earth, long-lived
<a href="#">Glenleven Linden</a>	<i>Tilia cordata 'Glenleven'</i>	45	30	6	Pyramidal	Vigorous pyramidal. Medium green foliage. Yellow fall color. More informal than greenspire™.
<a href="#">Glen's Form Chanticleer Pear</a>	<i>Pyrus calleryana 'Glen's form'</i>	40	15	4	Pyramidal	Green foliage. Reddish fall color. White flowers.
<a href="#">Goldenrain Tree</a>	<i>Koelreuteria paniculata</i>	35	35	4	Globe	Tolerant of urban stresses
<a href="#">Grand Fir</a>	<i>Abies grandis</i>	100	40	10	Pyramidal	One of the largest firs, can grow up to 300 feet.

**MEDIUM TO LARGE SIZE TREES**

**(Not for under or adjacent to overhead utility lines)**

**(Plant 30'-50' apart, compatible with mature tree size)**

**Typical size at time of planting: 2" minimum caliper (B&B or container)**

Common Name	Botanical Name	Mature Height (ft.)	Canopy Spread (ft.)	Min. Planting Strip Width (ft.)	Form	Characteristics
<a href="#">Green Mountain™ Maple</a>	<i>Acer saccharum</i> 'Green Mountain™'	45	35	6	Oval	Dark green foliage. Reddish ornate to red fall color.
<a href="#">Green Vase™ Zelkova</a>	<i>Zelkova serrata</i> 'Green Vase™'	50	40	6	Vase	Vase shape with upright arching branches in habit. Green foliage. Orange fall color.
<a href="#">Greenspire™ Linden</a>	<i>Tilia cordata</i> 'Greenspire™'	40	30	6	Pyramidal	Symmetrical. Dark green foliage. Yellow fall color.
<a href="#">Hackberry</a>	<i>Celtis occidentalis</i>	40	30	6	Globe	Round in habit. Bright green foliage. Yellow fall color.
<a href="#">Halka ginkgo</a>	<i>Ginkgo biloba</i> 'Halka'	45	40	6	Globe	Uniform and symmetrical branching
<a href="#">Halka™ Honeylocust</a>	<i>Gleditsia triacanthos</i> 'Christie'	55	40	6	Columnar	Green foliage. Yellow fall color.
<a href="#">Halka™ Zelkova</a>	<i>Zelkova serrata</i> 'Halka™'	50	30	6	Vase	Upright vase shaped. Long arching branches, canopy similar to american elm. Medium green foliage. Yellow fall color.
<a href="#">Hardy rubber tree</a>	<i>Eucommia ulmoides</i>	50	50	8	Globe	Rubber is extracted from the wood
<a href="#">Harvest Gold linden</a>	<i>Tilia cordata</i> 'Harvet Gold'	40	30	6	pyramidal	Attractive bark, bright golden yellow fall color
<a href="#">Heritage river birch</a>	<i>Betula nigra</i> 'Heritage'	45	30	8	Oval	Attractive bark, gold in fall
<a href="#">Hinoki falsecypress</a>	<i>Chamaecyparis obtusa</i>	50	20	10	Pyramidal	Attractive bark, susceptible to spider mites
<a href="#">Honeylocust</a>	<i>Gleditsia triacanthos</i> var. <i>inermis</i>	45	35	6	Globe	Thornless, tolerant of urban stresses
<a href="#">Incense-Cedar</a>	<i>Calocedrus decurrens</i>	80	20	10	Columnar	Drought tolerant
<a href="#">Jack pear</a>	<i>Pyrus calleryana</i> 'Jackzam'	40	15	4	pyramidal	Abundant white flowers early spring

**MEDIUM TO LARGE SIZE TREES**

**(Not for under or adjacent to overhead utility lines)**

**(Plant 30'-50' apart, compatible with mature tree size)**

**Typical size at time of planting: 2" minimum caliper (B&B or container)**

Common Name	Botanical Name	Mature Height (ft.)	Canopy Spread (ft.)	Min. Planting Strip Width (ft.)	Form	Characteristics
<a href="#">Jacquemontii Birch</a>	<i>Betula utilis</i> var. <i>jacquemontii</i>	40	30	4	Oval	Glossy, dark green leaves turn yellow in fall. Very white bark.
<a href="#">Katsura</a>	<i>Cercidiphyllum japonicum</i>	40	35	4	Pyramidal	Blue-green foliage turning yellow or red in fall.
<a href="#">Kentucky Coffeetree</a>	<i>Gymnocladus dioicus</i>	70	40	8	Globe	Green foliage.
<a href="#">Kobus Magnolia</a>	<i>Magnolia kobus</i>	40	30	4	Globe	Green leaves. White flowers.
<a href="#">lacebark elm</a>	<i>Ulmus parvifolia</i>	60	50	10	Umbrella	Interesting mottled bark
<a href="#">lacebark pine</a>	<i>Pinus bungeana</i>	50	30	10	Pyramidal	Spreading nature, often with multiple trunks, attractive bark
<a href="#">Legacy Maple</a>	<i>Acer saccharum</i> 'legacy'	50	35	8	oval	Glossy leaves; orange-red in fall
<a href="#">Little leaf linden 'Olympic'</a>	<i>Tilia cordata</i> 'Olympic'	40	30	4	Oval	Espalier, pollard, specimen, street tree
<a href="#">lodgepole pine</a>	<i>Pinus contorta</i> var. <i>latifolia</i>	50	25	8	Pyramidal	Medium green needles
<a href="#">London Planetree</a>	<i>Platanus x acerifolia</i> 'Bloodgood'	50	40	8	Pyramidal	Broadly pyramidal. Shedding bark produces mottled brown and cream pattern. This variety is more resistant to anthracnose than species.
<a href="#">Magnifica Hackberry</a>	<i>Celtis occidentalis</i> 'Magnifica'	45	35	6	Oval	Very urban tolerant; rarely lifts sidewalks
<a href="#">Maidenhair Tree</a>	<i>Ginkgo biloba</i>	60	45	8	Columnar	Many large stature varieties available, plant males only
<a href="#">Morgan Maple</a>	<i>Acer rubrum</i> 'Morgan'	45	40	6	Oval	Medium green foliage. Orange-red to red fall color.
<a href="#">Mountain Silverbells</a>	<i>Halesia monticola</i>	40	25	6	Globe	White bell shaped flowers; yellow fall color
<a href="#">Musashino Zelkova</a>	<i>Zelkova serrata</i> 'Musashino'	45	20	4	Columnar	Very narrow upright vase shape. Medium green foliage. Ideal for narrow street use with

**MEDIUM TO LARGE SIZE TREES**

**(Not for under or adjacent to overhead utility lines)**

**(Plant 30'-50' apart, compatible with mature tree size)**

**Typical size at time of planting: 2" minimum caliper (B&B or container)**

Common Name	Botanical Name	Mature Height (ft.)	Canopy Spread (ft.)	Min. Planting Strip Width (ft.)	Form	Characteristics
						good clearance beneath the canopy.
<a href="#">New World Maple</a>	<i>Acer rubrum</i> 'New World'	40	20	4	Columnar	Flaring shape allows traffic below. Bright orange fall color.
<a href="#">Northwood Maple</a>	<i>Acer rubrum</i> 'Northwood'	40	35	6	Oval	Medium to dark green foliage. Reddish fall color.
<a href="#">Norway Spruce</a>	<i>Picea abies</i>	100	30	10	Pyramidal	Good windbreak
<a href="#">Norwegian Sunset Maple</a>	<i>Acer truncatum</i> x <i>A. platanoides</i> 'Keithsform '	35	25	4	Oval	Oval with dark green foliage and yellow-orange to red fall color. Nice branch structure.
<a href="#">Norwegian Sunset Maple</a>	<i>Acer truncatum</i> x <i>platanoides</i> 'Norwegian Sunset'	35	25	6	Oval	Uniform canopy; orange/red in fall
<a href="#">October Glory red maple</a>	<i>Acer rubrum</i> 'October Glory'	45	45	6	Globe	Attractive bark, red or orange fall color, provide good drainage in clay soil
<a href="#">October Glory™ Maple</a>	<i>Acer rubrum</i> 'October Glory'™	40	35	6	Oval	Medium green foliage. Red purple fall color.
<a href="#">Oregon White Oak</a>	<i>Quercus garryana</i>	65	45	10	Globe	Slow to moderate growth. Branches often twisted. Summer irrigation not beneficial.
<a href="#">Pacific Dogwood</a>	<i>Cornus nuttallii</i>	50	20	10	Oval	Gray-barked branches grow in horizontal pattern. Oval 3- to 5-inch leaves are rich green above, grayish underneath. Yellow, pink and orange fall colors. Red to orange-red fruit forms in button-like clusters in fall.
<a href="#">pacific willow</a>	<i>Salix lucida</i> ssp. <i>lasiandra</i>	40	30	6	Oval	Tallest native willow
<a href="#">pacific yew</a>	<i>Taxus brevifolia</i>	40	30	6	Oval	Drought tolerant

**MEDIUM TO LARGE SIZE TREES**

**(Not for under or adjacent to overhead utility lines)**

**(Plant 30'-50' apart, compatible with mature tree size)**

**Typical size at time of planting: 2" minimum caliper (B&B or container)**

Common Name	Botanical Name	Mature Height (ft.)	Canopy Spread (ft.)	Min. Planting Strip Width (ft.)	Form	Characteristics
<a href="#">Palo Alto sweergum</a>	<i>Liquidambar styraciflua 'Palo Alto'</i>	40	20	4	Pyramidal	Maple-like leaves turn brilliant orange-red or bright red in autumn. Provides reliable fall color, even in warm winter areas.
<a href="#">Patriot elm</a>	<i>Ulmus 'Patriot'</i>	50	40	6	Vase	Substitute for american elm due pest and disease resistance
<a href="#">Persian Parrotia</a>	<i>Parrotia persica</i>	35	20	4	Pyramidal	Low-branching, broadly pyramidal to rounded tree with unusual form and texture. Flowers have showy red stamens and fall color is excellent.
<a href="#">pin oak</a>	<i>Quercus palustris</i>	65	30	10	Globe	Leaves hang on the tree in fall
<a href="#">Pioneer elm</a>	<i>Ulmus 'Pioneer'</i>	50	50	8	Vase	Substitute for american elm due pest and disease resistance
<a href="#">Ponderosa Pine</a>	<i>Pinus ponderosa</i>	100	30	10	Pyramidal	Large-needled evergreen. Thick bark has a reddish color and develops attractive dark furrows with age. Needles grow in clusters of three. Produces a cone 3-6 inches long.
<a href="#">Port-Orford-cedar</a>	<i>Chamaecyparis lawsoniana</i>	75	20	10	Pyramidal	Can be used as a windbreak, highly susceptible to port-orford-cedar root disease
<a href="#">Princeton Sentry™ Ginko</a>	<i>Ginko biloba 'Princeton Sentry'</i>	40	15	4	Pyramidal	Green foliage. Bright yellow fall color.
<a href="#">Prospector elm</a>	<i>Ulmus wilsoniana</i>	40	30	6	Vase	Substitute for american elm due pest and disease resistance
<a href="#">Purple Rivers Beech</a>	<i>Fagus sylvatica 'Riversii'</i>	60	40	8	Oval	Oval in habit. Deep purple foliage. Bronze fall color.
<a href="#">Pyramidal European Hornbeam</a>	<i>Carpinus betulus 'Fastigiata'</i>	40	25	4	Oval	Dark green foliage turns yellow in fall.

**MEDIUM TO LARGE SIZE TREES**

**(Not for under or adjacent to overhead utility lines)**

**(Plant 30'-50' apart, compatible with mature tree size)**

**Typical size at time of planting: 2" minimum caliper (B&B or container)**

Common Name	Botanical Name	Mature Height (ft.)	Canopy Spread (ft.)	Min. Planting Strip Width (ft.)	Form	Characteristics
<a href="#">Queen Elizabeth™ Maple</a>	<i>Acer campestre</i> 'Evelyn'	35	30	4	Oval	Dark green foliage. Yellow fall color.
<a href="#">Rancho Linden</a>	<i>Tilia cordata</i> 'Rancho'	40	30	6	Vase	Vigorous upright. Small leaves.
<a href="#">Rancho Pear</a>	<i>Pyrus calleryana</i> 'Rancho'	35	30	6	Columnar	Narrow upright. White flowers.
<a href="#">Red Maple</a>	<i>Acer rubrum</i>	50	45	8	Globe	Leaves are medium to dark green, becoming orange or red in fall.
<a href="#">Red Oak</a>	<i>Quercus rubra</i>	65	50	8	Globe	Round in habit. Green foliage. Red fall color.
<a href="#">Red Oak</a>	<i>Quercus rubra</i>	60	45	8	Oval	Beautiful fall color
<a href="#">Red Sunset Maple</a>	<i>Acer rubrum</i> 'Franksred'	45	35	6	Oval	Dark green glossy foliage. Brilliant orange red to red fall color. Developed in gresham by j. Frank schmidt nursery.
<a href="#">Red Sunset red maple</a>	<i>Acer rubrum</i> 'Red Sunset'	45	30	4	Columnar	Attractive bark, red or orange fall color, provide good drainage in clay soil
<a href="#">Redmond Bigleaf Linden</a>	<i>Tilia americana x euchlora</i> 'Redmond'	35	25	6	Pyramidal	Light green foliage. Yellowish fall color.
<a href="#">Redpointe Maple</a>	<i>Acer rubrum</i> 'redpointe'	45	30	6	Pyramidal	Strong central leader; urban tolerant; bright red in fall
<a href="#">Redspire Pear</a>	<i>Pyrus calleryana</i> 'Redspire'	35	25	4	Pyramidal	Pyramidal, dense, and symmetrical with medium green, glossy foliage turning yellow to red in fall. Abundant white flowers.
<a href="#">Regal Prince Oak</a>	<i>Quercus robur x bicolor</i> 'Long'	45	18	6	Columnar	
<a href="#">'Regent' Scholar Tree</a>	<i>Sophora japonica</i> 'Regent'	45	35	4	Oval	The dark green, shiny leaves turn yellow before dropping in fall
<a href="#">Rivers purple beech</a>	<i>Fagus sylvatica</i> 'Riversii'	50	40	8	Oval	Deep purple foliage with no change in fall, attractive bark

**MEDIUM TO LARGE SIZE TREES**

**(Not for under or adjacent to overhead utility lines)**

**(Plant 30'-50' apart, compatible with mature tree size)**

**Typical size at time of planting: 2" minimum caliper (B&B or container)**

Common Name	Botanical Name	Mature Height (ft.)	Canopy Spread (ft.)	Min. Planting Strip Width (ft.)	Form	Characteristics
<a href="#">Saratoga Ginkgo</a>	<i>Ginkgo biloba</i> 'Saratoga'	35	30	4	Globe	Extremely free of pests. Very tolerant of pollution and salt. Requires little maintenance. Slow growing and long lived. Yellow fall color. Male only.
<a href="#">sawtooth oak</a>	<i>Quercus acutissima</i>	40	40	6	Umbrella	Bronze fall color or no change
<a href="#">Scanlon Red Maple</a>	<i>Acer rubrum</i> 'Scanlon'	40	15	6	Columnar	Orange-red fall color.
<a href="#">Scarlet Oak</a>	<i>Quercus coccinea</i>	50	40	6	Oval	Oval, open in habit. Bright green foliage. Scarlet fall color.
<a href="#">Scarlet Sentinel™ Maple</a>	<i>Acer rubrum</i> 'Scarsen'	40	20	4	Columnar	Upright rather narrow. Dark green foliage. Yellow orange to orange red fall color. Good for streets and parking lots.
<a href="#">Schlesinger Maple</a>	<i>Acer rubrum</i> 'Schlesingeri'	45	35	6	Vase	Medium green foliage. Orange to orange red fall color.
<a href="#">Scotch Pine</a>	<i>Pinus sylvestris</i>	50	40	8	Pyramidal	Evergreen conifer, striking orange bark
<a href="#">Shademaster' Thornless honeylocust</a>	<i>Gleditsia triacanthos</i> 'Shademaster'	70	70	6	Oval	The tiny leaflets turn golden yellow in fall before dropping and are so small they easily vanish into the grass below, without any raking being necessary.
<a href="#">Shingle Oak</a>	<i>Quercus imbricaria</i>	50	40	8	Oval	Transplants readily; beautiful summer foliage
<a href="#">Shore Pine</a>	<i>Pinus contorta</i>	50	25	8	Pyramidal	
<a href="#">Shumard Oak</a>	<i>Quercus shumardii</i>	50	40	6	Oval	Thrives in areas with poor drainage, attracts wildlife
<a href="#">Silver Fir</a>	<i>Abies amabilis</i>	50	40	10	Pyramidal	Needs lots of room to grow. Dark green evergreen needles, silvery underneath, curve upward along the branches.

**MEDIUM TO LARGE SIZE TREES**

**(Not for under or adjacent to overhead utility lines)**

**(Plant 30'-50' apart, compatible with mature tree size)**

**Typical size at time of planting: 2" minimum caliper (B&B or container)**

Common Name	Botanical Name	Mature Height (ft.)	Canopy Spread (ft.)	Min. Planting Strip Width (ft.)	Form	Characteristics
<a href="#">Sitka Spruce</a>	<i>Picea sitchensis</i>	120	40	10	Pyramidal	Needs ample water
<a href="#">Skyline™ Honeylocust</a>	<i>Gleditsia triacanthos 'Skyline'</i>	45	35	6	Pyramidal	Upright spreading branches and finely textured medium green foliage. Golden fall color. Good environmental tolerance.
<a href="#">Skymaster™ Oak</a>	<i>Quercus robur 'Skymaster™'</i>	50	25	6	Oval	Dark green foliage. Yellow fall color.
<a href="#">Sourwood</a>	<i>Oxydendrum arboreum</i>	35	20	6	Pyramidal	Dark green leaves turn orange and scarlet in fall. Showy white flowers in summer.
<a href="#">Spring Flurry Serviceberry</a>	<i>Amelanchier laevis 'Spring Flurry'</i>	35	20	4	Oval	White flowers, edible fruit; strong central leader
<a href="#">State Street™ Maple</a>	<i>Acer miyabei 'Morton'</i>	45	30	6	Oval	Dark green foliage. Yellow fall color.
<a href="#">Sterling Silver Linden</a>	<i>Tilia tomentosa 'Sterling'</i>	45	35	4	Pyramidal	Broadly pyramidal, neat and symmetrical. Green leaves are silver-gray underneath. Yellow fall color. Fast growing.
<a href="#">Sugar Maple</a>	<i>Acer saccharum</i>	100	50	10	Oval	Great fall colors. Does not perform well in compacted or restricted areas.
<a href="#">Sun Valley Maple</a>	<i>Acer rubrum 'Sun Valley'</i>	40	35	6	Oval	U. S. Arboretum introduction. A hybrid between red sunset and autumn flame. Oval, symmetrical, densely branched, seedless. Reliably bright red fall color.
<a href="#">Sunset Maple</a>	<i>Acer truncatum x Acer platanoides</i>	35	25	6	Globe	Many varieties available
<a href="#">swamp white oak</a>	<i>Quercus bicolor</i>	60	25	6	Globe	Upper and lower leaf surfaces contrast in color, attracts wildlife

**MEDIUM TO LARGE SIZE TREES**

**(Not for under or adjacent to overhead utility lines)**

**(Plant 30'-50' apart, compatible with mature tree size)**

**Typical size at time of planting: 2" minimum caliper (B&B or container)**

Common Name	Botanical Name	Mature Height (ft.)	Canopy Spread (ft.)	Min. Planting Strip Width (ft.)	Form	Characteristics
<a href="#">Sycamore Maple</a>	<i>Acer pseudoplatanus</i>	50	40	6	Oval	Green foliage. Yellow fall color.
<a href="#">Tricolor Beech</a>	<i>Fagus sylvatica 'Roseo-marginata'</i>	35	25	4	Oval	Oval habit. Purple leaves have a rose-pink and cream border.
<a href="#">Triumph Elm</a>	<i>Ulmus japonica x pumila x wilsoniana 'Triumph'</i>	55	45	6	Vase	
<a href="#">Triumph™ Elm</a>	<i>Ulmus 'Morton Glossy'</i>	70	60	6	Oval	Upright oval to vase shape. Glossy dark green foliage. Yellow fall color.
<a href="#">Tulip Tree</a>	<i>Liriodendron tulipifera</i>	80	35	8	Oval	Medium green leaves have interesting shape. Bright, transparent yellow fall color. Greenish-yellow flower with orange center.
<a href="#">Tupelo</a>	<i>Nyssa sylvatica</i>	45	20	4	Pyramidal	Pyramidal when young, spreading and irregular with age. Dark green, glossy foliage. Hot, copper-red fall color.
<a href="#">Village Green zelkova</a>	<i>Zelkova serrata 'Village Green'</i>	50	40	6	Vase	Orange-brown to bronze-red fall color
<a href="#">Weeping nootka cypress</a>	<i>Chamaecyparis nootkatensis 'Pendula'</i>	45	15	4	Pyramidal	
<a href="#">Western Hemlock</a>	<i>Tsuga heterophylla</i>	100	40	10	Pyramidal	Feathery evergreen foliage. Small light-brown cones are produced in great quantities. Prefers full sun to full shade and moist to seasonally wet soil.
<a href="#">Western Red Cedar</a>	<i>Thuja plicata</i>	100	30	10	Pyramidal	Evergreen that thrives in moist conditions. Stringy reddish bark. Trunk is wide and fluted at bottom. High relocate success.

**MEDIUM TO LARGE SIZE TREES**

**(Not for under or adjacent to overhead utility lines)**

**(Plant 30'-50' apart, compatible with mature tree size)**

**Typical size at time of planting: 2" minimum caliper (B&B or container)**

Common Name	Botanical Name	Mature Height (ft.)	Canopy Spread (ft.)	Min. Planting Strip Width (ft.)	Form	Characteristics
<a href="#">Western White Pine</a>	<i>Pinus monticola</i>	85	50	10	Pyramidal	Drought tolerant.
<a href="#">Whitehouse Flowering Pear</a>	<i>Pyrus calleryana 'Whitehouse'</i>	40	15	4	Columnar	Disease resistant
<a href="#">Willow Oak</a>	<i>Quercus phellos</i>	60	45	8	Pyramidal	Tolerant of urban stresses
<a href="#">Wineleaf Sycamore Maple</a>	<i>Acer pseudoplatanus 'Spaethii'</i>	40	30	6	Pyramidal	Dark green foliage
<a href="#">Yulan Magnolia</a>	<i>Magnolia denudata</i>	35	30	4	Pyramidal	White, fragrant flowers
<a href="#">Zelkova</a>	<i>Zelkova serrata</i>	65	50	6	Oval	Attractive shade tree

## PROHIBITED TREES

The following trees are prohibited from being planted as street trees. Substitute varieties are subject to approval by the City of Camas. Submit a “characteristic” card from a nursery including information on mature height, spread, and root system (deep or shallow) when requesting a substitute.

Common Name	Botanical Name	Tree Type	Mature Height (ft)	Canopy Spread (ft)	Remarks	Reasons to Exclude
Arborvitae	<i>Thuja plicata</i> & <i>Thuja occidentalis</i>	Evergreen	100	8	Evergreen, casting dense shade	Sight obstruction
Cleveland Norway Maple	<i>Acer platanoides</i> 'Cleveland'	Broadleaf Deciduous Medium	40	30	Dark green foliage becomes bright yellow in fall. Should not be planted within 5 city blocks (1/4 mi.) of greenway or natural area. May seed itself.	Possible invasive
Columnar Norway Maple	<i>Acer platanoides</i> 'Columnare'	Broadleaf Deciduous Medium	35	15	Yellow flowers and fall color. Shallow roots. Should not be planted within 5 city blocks (1/4 mi.) of greenway or natural area. May seed itself.	Possible invasive
Crimson King Maple	<i>Acer platanoides</i> 'Crimson King'	Broadleaf Deciduous Medium	40	35	purple leaves; reddish bronze in fall	Possible invasive
Crimson Sentry Norway Maple	<i>Acer platanoides</i> 'Crimson Sentry'	Broadleaf Deciduous Small	25	12	Red foliage. Maroon to reddish bronze fall color. Should not be planted within 5 city blocks (1/4 mi.) of greenway or natural area. May seed itself.	Possible invasive
Easy Street™ Maple	<i>Acer platanoides</i> 'Ezestre'	Broadleaf Deciduous Medium	40	20	Dark green foliage. Yellow fall color.	Possible invasive
Emerald Queen™ Norway Maple	<i>Acer platanoides</i> 'Emerald Queen'	Broadleaf Deciduous Large	50	40	Green foliage-Yellow fall color-Green yellow flower. MaShould not be planted within 5 city blocks (1/4 mi.) of greenway or natural area. May seed itself.	Possible invasive
Flowering Ash	<i>Fraxinus omus</i>	Broadleaf Deciduous Medium	15	4		
Globe Norway Maple	<i>Acer platanoides</i> 'Globosum'	Broadleaf Deciduous Small	20	20	Green foliage turns yellow in fall. Should not be planted within 5 city blocks (1/4 mi.) of	Possible invasive

## PROHIBITED TREES

The following trees are prohibited from being planted as street trees. Substitute varieties are subject to approval by the City of Camas. Submit a “characteristic” card from a nursery including information on mature height, spread, and root system (deep or shallow) when requesting a substitute.

Common Name	Botanical Name	Tree Type	Mature Height (ft)	Canopy Spread (ft)	Remarks	Reasons to Exclude
					greenway or natural area. May seed itself.	
<a href="#">Hedge Maple</a>	<i>Acer campestre</i>	Broadleaf Deciduous Medium	30	25	Dark green foliage becomes yellow in fall. Should not be planted within 5 city blocks (1/4 mi.) of greenway or natural area. May seed itself.	Possible invasive
Japanese maple	<i>Acer palmatum</i>	Broadleaf Deciduous Small	12	6	fall color, many varieties such as 'Butterfly' and 'Sango Kaku'	sidewalk issue
<a href="#">Lavalle Hawthorne</a>	<i>Crataegus x lavallei</i>		28	20	Upright oval habit. Dark green foliage. Bronze fall color. Orange red fruit.	High Maintenance Trees
Madrone	<i>Arbutus menziesii</i>	Broadleaf Evergreen Large	70	50	Smooth, reddish brown bark that peels in thin flakes. Leathery 3- to 6-inch long evergreen leaves are shiny dark green on top, dull gray beneath. Red-orange berries in fall.	Not recommended
<a href="#">Mayflower</a>	<i>Crataegus laevigata</i>		25	18	Red flowers; fruit with star-shaped area in center	High Maintenance Trees
Moraine Sweetgum	<i>Liquidambar styraciflua</i> 'Moraine'	Broadleaf Deciduous Large	60	30	Dark green foliage. Red purple fall colors.	Not recommended
Olmstead Maple	<i>Acer platanoides</i> 'Olmstead+A 55'	Broadleaf Deciduous Medium	40	20	Dense shade and surface roots interfere with lawn. Similar to 'Columnare'. Can be used in limited space.	Possible invasive
Parkway™ Norway Maple	<i>Acer platanoides</i> 'Columnarbro ad'	Broadleaf Deciduous Medium	40	25	Dark green foliage. Yellow fall color. Should not be planted within 5 city blocks (1/4 mi.) of greenway or natural area. May seed itself.	Possible invasive
<a href="#">Paul's Scarlet hawthorn</a>	<i>Crataegus laevigata</i>		22	20	Thorny branches, double rose flowers	High Maintenance Trees

## PROHIBITED TREES

The following trees are prohibited from being planted as street trees. Substitute varieties are subject to approval by the City of Camas. Submit a “characteristic” card from a nursery including information on mature height, spread, and root system (deep or shallow) when requesting a substitute.

Common Name	Botanical Name	Tree Type	Mature Height (ft)	Canopy Spread (ft)	Remarks	Reasons to Exclude
	'Paul's Scarlet'					
Red Alder	<i>Alnus rubra</i>	Broadleaf Deciduous Large	80	40	Attractive smooth, light gray bark. Dark green, 2- to 4-inch leaves which are rust colored and hairy beneath. Very tolerant of brackish water.	Possible invasive
Rotundiloba Sweetgum	<i>Liquidambar styraciflua</i>	Broadleaf Deciduous Medium	45	25	fruitless; unique globeed lobes; orange to purple in fall	Not recommended
Skyline™ Beech	<i>Fagus grandifolia</i> 'Skycole'	Broadleaf Deciduous Medium	35	4		Can't find this tree
Skyrocket™ Oak	<i>Quercus robur</i> 'Fastigiata' var. Skyrocket™+ A106	Broadleaf Deciduous Medium	15	4		Can't find this tree
<a href="#">Southern Magnolia</a>	<i>Magnolia grandiflora</i>	Broadleaf Evergreen Medium	70	60	Large fragrant white flowers	Not recommended
<a href="#">Southern Magnolia</a>	<i>Magnolia grandiflora</i> 'Edith Bogue'	Broadleaf Deciduous Medium	30	15	Green foliage turns bright yellow and red in fall.	Not recommended
Summershade Maple	<i>Acer platanooides</i> 'Summershade'	Broadleaf Deciduous Medium	42	40	fast growing; yellow in fall	Possible invasive
Superform Maple	<i>Acer platanooides</i> 'Superform'	Broadleaf Deciduous Medium	45	40	Medium green foliage. Yellow fall color.	Possible invasive
Sweetgum	<i>Liquidambar sp.</i>	Broadleaf Deciduous Large	60	35	Oval habit. Dark green leaves become brilliant yellow, orange, red, and purple in fall.	Not recommended
Valley Forge Elm	<i>Ulmus americana</i>	Broadleaf Deciduous Large	70	70	disease resistant; traditional American Elm form	Not recommended
Variagated Norway Maple	<i>Acer platanooides</i> 'Drummondii'	Broadleaf Deciduous Medium	35	25	Light green with white margin foliage. Should not be planted within 5 city blocks (1/4 mi.) of greenway or natural area. May seed itself.	Possible invasive

## PROHIBITED TREES

The following trees are prohibited from being planted as street trees. Substitute varieties are subject to approval by the City of Camas. Submit a “characteristic” card from a nursery including information on mature height, spread, and root system (deep or shallow) when requesting a substitute.

Common Name	Botanical Name	Tree Type	Mature Height (ft)	Canopy Spread (ft)	Remarks	Reasons to Exclude
<a href="#">Washington hawthorn</a>	<i>Crataegus phaenopyrum</i>		25	20	Attractive fall color, orange-red fruit matures in winter and attracts birds	High Maintenance Trees

## SMALL TO MEDIUM SIZE SHRUBS

(Plant according to spread of mature plant)

Typical size at time of planting: 2 gallon (small), 5 gallon (medium) or 18” B&B

Common Name	Botanical Name	Height	Spread	Characteristics
Andromeda or Lily of the Valley Shrub	<i>Pieris japonica</i> ‘Forest Flame’	8’	6’	Bright red spring foliage. Profuse white flowers.
Bird’s Nest Spruce	<i>Picea abies</i> ‘Nidiformis’	3’	6’	Very compact. Good bonsai subject.
Compact Oregon Grape	<i>Mahonia aquifolium</i> ‘Compacta’	2’	2+’	Hardy. Erect. Uniform, prickly leaves.
David Viburnum	<i>Viburnum davidii</i>	1’-3’	3’-4’	Deeply veined, glossy leaves. Metallic, dark blue fruits.
Delavay Osmanthus	<i>Osmanthus delavayi</i>	4’-6’	6’-8’	Evergreen. White, fragrant flower clusters March to May.
Dwarf Burning Bush	<i>Euonymus alata</i> ‘Compacta’	4’-6’	4-6’	Vibrant red fall color. Nice background plant.
Dwarf Golden Hinoki	<i>Chamaecyparis obtusa</i> ‘Nana Aurea’	4’	3’	New growth is yellow. Mature leaves are dark green.
Dwarf Hinoki Cypress	<i>Chamaecyparis obtusa</i> ‘Nana’	3’	2’	Nice foreground plant. Graceful.
Evergreen Variegated Euonymous	<i>Euonymus japonica</i> ‘Aurea Variegata’	8’	6’	Leaves have brilliant yellow blotch w/green edges.
Golden Thread Cypress	<i>Chamaecyparis pisifera</i> ‘Filifera Aurea’	To 8’	6’	Loose mound. Prune to keep in bounds.
Heavenly Bamboo	<i>Nandina domestica</i> (‘Moyers Red’ or ‘Umpqua Chief’)	6’-8’	3’	Excellent fall color. Bamboolike foliage. Not invasive.
Jackman’s Cinquefoil	<i>Potentilla fruticosa</i> ‘Jackman’s’	4’	4+’	Bright yellow flowers.
Japanese Holly	<i>Ilex crenata</i> ‘Compacta’	2’-3’	2’-3’	Neat. Hardy. Dense.
Mugho Pine	<i>Pinus mugo mugo</i>	4’	3’	Low growing. Dense. Hardy.
Otto Luyken Laurel	<i>Prunus laurocerasus</i> ‘Otto Luyken’	5’	4’	Hardy, neat, white flowers in clusters in summer.
Rose Glow Barberry	<i>Berberis thunbergii</i> ‘Rose Glow’	4’	4’	Rosy-bronze. Does best in full sun
Sargent Weeping Hemlock	<i>Tsuga canadensis</i> ‘Pendula’	2’-3’	4’-6’	Graceful addition to landscape.
Spanish Bayonet	<i>Yucca aloifolia</i>	10’	5’	Good barrier plant. Showy, creamy white flower clusters.
Warty Barberry	<i>Berberis verruculosa</i>	3’-4’	3’-4’	Neat, tailored shrub. Good on banks

**ACCENT SHRUBS**  
**(Plant according to spread of mature plant)**  
**Typical size at time of planting: 5 gallon or 18" B&B**

Common Name	Botanical Name	Height	Spread	Characteristics
Anthony Waterer Spiraea	Spiraea bumalda 'Anthony Waterer'	2'-3'	3'	Flowers from June to fall.
Blue Mist Shrub	Caryopteris incana	3-4'	4'	Lavender blue flowers from July to frost. Prune harshly for long bloom.
European Cranberry Bush	Viburnum opulus 'Compactum'	4'-5'	4'-5'	White flower clusters. Red fruit.
European Cranberry Bush	Viburnum opulus 'Nanum'	2'	2'	Can take poor, wet soils. No fruit or flowers. Good hedge.
Drooping Leucothoe	Leucothoe fontanesiana	2'-6'	2'-6'	Graceful arching branches. Drooping clusters of white flowers in spring.
Elfin King Strawberry Madrone	Arbutus unedo 'Elfin King'	5'	5'	Slow growth. Flowers and fruits almost constantly.
Firethorn	Pyracantha – various species	Varies	Varies	Evergreen. Bright berries. Creamy white fragrant flowers. Good espalier subjects.
Jean Marie Rhododendron	Rhododendron 'Jean Marie'	5'	5'	Bright scarlet flowers. Good foliage.
Karl Sax Forsythia	Forsythia intermedia 'Karl Sax'	7'	6'	Profuse, tawny yellow bloom from February to April.
Kerria	Kerria japonica 'Plentifolia'	8'	5'6'	Double yellow roseline flowers.
Marie's Doublefile Viburnum	Viburnum plicatum tomentosum 'Mariesii'	6'	12'	Flat flower clusters.
Mountain Laurel	Kalmia latifolia	6'-8'	6'-8'	Glossy, leather leaves. Pink flowers May – June.
Rose of Sharon	Hibiscus syriacus	10'	6'	Can be trained into small tree.

**ORNAMENTAL GRASSES**  
**(Not for use in biofiltration systems)**  
**(Plant according to spread of mature plant)**  
**Typical size at time of planting: 2 gallon**

Common Name	Botanical Name	Height	Spread	Characteristics
Blue Oat Grass	Helictotrichon sempervirens	2'-3'	2'-3'	Bright blue-gray. Needs full sun, good drainage.
Eulalia Grass (varieties)	Miscanthus sinensis (varieties)	5'-6'	@4'	Graceful, interesting, clumping grasses. Can be weeping, variegated, banded, etc.
Fountain Grass	Pennisetum setaceum	4'	4'	Good in dry location. Full sun. Drought resistant.

**GROUND COVERS**

**(Plant according to spread of mature plant)**

**Typical size at time of planting:**

**4" pot (Ajuga, Rubus, Vinca)**

**1 gallon (Artostaphylos, Berberises, Pachysandra, Vinca)**

**2 gallon (Erica, Genista, Ilex, Juniperus)**

<b>Common Name</b>	<b>Botanical Name</b>	<b>Height</b>	<b>Spread</b>	<b>Characteristics</b>
Carpet Bugle	Ajuga reptans	6"	18"	Fast growing. Blue flowers on spikes. Good coverage.
Crimson Pygmy Barberry	Berberis thunbergii 'Crimson Pygmy'	1 ½'	2 ½'	Bronzy blood red. Does best in full sun.
Dwarf Spanish Broom	Genista pilosa	1'	7'	Fast growing. Prostrate. Evergreen. Profuse yellow flowers in May – June.
Heath	Erica carnea (varieties)	6"-16"	1'-3'	Often blooms when nothing else does.
Helleri Japanese Holly	Ilex crenata 'Helleri'	1'	2'	Polished small leaf evergreen. Very hardy. Sun or shade.
Japanese Spurge	Pachysandra terminalis	6"-10"	12"	Delicate looking. Nice transition between shrubs and lawn. Shade or sun.
Groundcover variety Juniper	Juniperus horizontalis	6"-14"	6'-10'	Many varieties and colors. Hardy and drought tolerant.
Kinnikinnick	Arctostaphylos uva-ursi	8"	15'	Flat growing. Evergreen. Needs pruning at least once a year.
Periwinkle	Vinca minor	1'	2'	Spreading. Nice blue, white, lavender or maroon flowers. Can be mowed once a year.
Pygmy Magellan Barberry	Berberis boxifolia 'Pygmaea'	1'	2'	Tough. Thorny.
Taiwan Creeper	Rubus calycinoides	3"-4"	1' per year	Makes spreading mat. White, strawberry-like flowers. Edible, salmon-colored berries.