



CITY OF OREGON CITY

NATURAL RESOURCES COMMITTEE

AGENDA

Virtual Meeting

Wednesday, February 09, 2022 at 6:00 PM

This meeting will be held online via Zoom; please contact planning@orccity.org for the meeting link.

CALL TO ORDER

ADOPTION OF THE AGENDA

Committee members have the opportunity to move items to Discussion Items from Communications if they are interested in discussion. The Committee may also add an item to the agenda with the consensus of the Committee.

ELECTION OF CHAIR AND VICE CHAIR

PUBLIC COMMENT

Citizens are allowed up to 3 minutes to present information relevant to the City but not listed as an item on the agenda. The Chair has the discretion to waive limitations. Prior to speaking, citizens shall complete a comment form and deliver it to the Staff Member. The Natural Resources Committee does not generally engage in dialog with those making comments but may refer the issue to the City Manager.

PRESENTATION

- [1.](#) OC2040 Comprehensive Plan Update – Draft Goals and Policies

DISCUSSION ITEMS

- [2.](#) Street Tree List and Standard Drawing

COMMUNICATIONS

FUTURE AGENDA ITEMS

ADJOURNMENT

PUBLIC COMMENT GUIDELINES

Complete a Comment Card prior to the meeting and submit it to the City Recorder. When the Mayor/Chair calls your name, proceed to the speaker table, and state your name and city of residence into the microphone. Each speaker is given three (3) minutes to speak. To assist in tracking your speaking time, refer to the timer on the table.

As a general practice, the City Commission does not engage in discussion with those making comments.

Electronic presentations are permitted but shall be delivered to the City Recorder 48 hours in advance of the meeting.

ADA NOTICE

The location is ADA accessible. Hearing devices may be requested from the City Recorder prior to the meeting. Individuals requiring other assistance must make their request known 48 hours preceding the meeting by contacting the City Recorder's Office at 503-657-0891.

Agenda Posted at City Hall, Pioneer Community Center, Library, City Website.

Video Streaming & Broadcasts: The meeting is streamed live on the Oregon City's website at www.orcity.org and available on demand following the meeting. The meeting can be viewed on Willamette Falls Television channel 28 for Oregon City area residents as a rebroadcast. Please contact WFMC at 503-650-0275 for a programming schedule.



CITY OF OREGON CITY

Staff Report

625 Center Street
Oregon City, OR 97045
503-657-0891

To: Natural Resources Committee
From: Teresa Montalvo, Planning Manager

Agenda Date: 02/09/2022

SUBJECT:

OC2040 Comprehensive Plan Update – Draft Goals and Policies

STAFF RECOMMENDATION: Staff recommends the NRC provide initial feedback on the draft goals and policies and takes part in the Comprehensive Plan Forum to provide individual comments.

BACKGROUND:

The virtual [Comprehensive Plan Forum](#) is your space to review draft goals and policies for OC2040! The Forum will be live from 1/10 - 3/14. [Click](#) and provide input on whether the goals and policies are on track. Goals and policy ideas have a key role in a formal "Comprehensive Plan" process approved by the State of Oregon. They not only highlight residents' desires but provide a documented roadmap to guide the decision-making of current and future City Commissions.

Your input matters

How should the City balance future housing opportunities, safe transportation, access to jobs, historic preservation, natural resource preservation and infrastructure needs?
What aspirations and priorities do you share with your family, friends, and neighbors?

OC2040 will update the Oregon City Comprehensive Plan to reflect the community's vision and guide decision making about future growth and development. The plan will be implemented through goals and policies that influence the development code and other ordinances, projects and plans. However, an effective comprehensive plan needs to be much more than a policy document. It must also reflect a shared vision that supports all our community members.

For more information visit www.OC2040.com. For questions you can contact Teresa Montalvo, Planning Manager, at 503-496-1562 or drop by Oregon City offices at 695 Warner Parrott Rd, Monday through Friday 9 a.m. to 4 p.m.



Planning & City Commission Work Session – Draft Goals + Policies

DRAFT | JANUARY 2022

OC2040 COMPREHENSIVE PLAN UPDATE PROJECT

The 2004 Oregon City Comprehensive Plan was the first major revision of the City's Comprehensive Plan since 1982. The plan was founded on a framework of principles intended to comply with state land use planning laws and, more importantly, to ensure protection of Oregon City's quality of life and social and economic vitality. Those founding principles were:

- Promote sustainability and sustainable development
- Contain urban development
- Promote redevelopment
- Protect natural resources
- Foster economic vitality
- Provide efficient and cost-effective services
- Ensure a sense of history and place

The 2004 Plan contains 65 goals and 289 policies organized into 15 chapters (each chapter corresponds with an Oregon Statewide Planning Goal). For the last 17 years, the 2004 Plan has served as the overarching guide for all aspects of land use and transportation decision-making in Oregon City. **This OC2040 Comprehensive Plan Update project provides an opportunity for Oregon City to review and renew its plan for the future, using the 2004 Plan and its founding principles as a base upon which to build new ideas.**

It's important to understand that one objective for this OC2040 update is to streamline the Comprehensive Plan and make it a more intuitive and user-friendly document. Comprehensive plans are intended to be high-level policy documents that guide city decisions and work plans. Part of City staff's approach for this update is to reduce the overall "bulk" of the document by keeping goals and policies at a higher level and removing short-term implementation measures that are not conducive to a 20-year planning horizon. This ensures the Comprehensive Plan can be implemented through development of more specific and targeted action plans, projects and programs directed by City Commission.

The OC2040 Comprehensive Plan will be organized differently than the 2004 Plan. Whereas the current plan is organized by statewide planning goal, the OC2040 Plan will be organized around four key themes that emerged from community outreach for this process, and serve as the framework for the new Oregon City 2040 Vision Statement:

1. Healthy and Welcoming Communities
2. Diverse Economy
3. Connected Infrastructure
4. Protected Environment

Each theme represents a chapter in the new OC2040 Plan; each chapter will contain brief background information along with 3-4 broad goals and a set of 4-8 policy statements per goal. Goals and policies are intended to support the Community Vision, which was developed through significant outreach and engagement with Oregon City residents and businesses over the course of a year.

When developing goal and policy concepts, an iterative, open, and transparent process ensured community priorities were captured through four Comprehensive Plan Summits, online surveys, and multiple meetings with the Project Advisory Team (PAT) to review, vet and refine the concepts. New and revised goals and policies were also supported through a review of the existing Comprehensive Plan goals and policies, review of best practices, and input from City staff. **Feedback from PAT members was particularly important to development of draft goals and policies; they have been involved with this project for more than 16 months and represent a diverse set of community interests.**

The purpose of this worksession is for City staff and the project team to share the draft goal and policy language that has been developed through extensive engagement with the PAT and community, and receive input from Planning and City Commissioners on this process. We understand it is a lot of material to cover; to help guide our discussion, we will focus on presenting the goal statements and a summary of policy topics. As we review, we will be asking:

- Are these on the right track?
- What is missing, or should be included in an implementation and action plan?

There will be additional opportunity to provide detailed written comments on the draft goals and policies through an online OC2040 Comprehensive Plan Forum. The online forum will go live on Monday, January 10th, 2022, and be available to the community through Feb 14th, 2022. The forum will be accessed through the City's OC2040 website: <https://oc2040.com/>.

Thank you for taking the time to review this material – we look forward to a productive conversation on January 11th, 2022.



Goal 1

Implement and maintain a community engagement program that provides broad and inclusive opportunities for all Oregon City community members to learn about and understand land use planning and participate meaningfully in land use decisions that impact their communities.

Policies:

- a. Support the Citizen Involvement Committee (CIC) to engage and educate Oregon City community members in land use planning.
- b. Actively seek input from a diverse range of participants and enhance engagement opportunities for community members with barriers (language, disability, income, age, technology) through services and methods that bolster inclusive participation.
- c. Seek opportunities to develop and enhance relationships with community-based organizations (CBOs) who are working in Oregon City and the larger region.
- d. Explore innovative forms of communication technology to enhance the City's public engagement efforts.
- e. Provide on-going education to the community regarding land use projects and processes and ensure clear communication about when and how to be involved at key points in the process.
- f. Include liaisons from nearby communities in public engagement efforts, where appropriate, to provide an outside perspective to Oregon City land use planning.

Goal 2

Acknowledge, protect, enhance, and commemorate Oregon City's historic and cultural resources.

Policies:

- a. Promote the Willamette and Clackamas rivers as a community benefit for cultural connection and understanding.
- b. Acknowledge the history of tribal presence in Oregon City and seek opportunities to educate community members and elevate understanding.
- c. Facilitate historic preservation programs for retention of quality, locally designated historic districts and sites.
- d. Identify and protect important cultural resources and historic amenities through programs, interpretive signage, and other means to increase awareness and generate appreciation.
- e. Provide activities and programs for residents and visitors that weave together education, recreation, and historic and cultural resources.

Goal 3

Strengthen health and livability across all Oregon City neighborhoods by creating places that feel safe and comfortable with convenient access to community services.

Policies:

- a. Support the City's network of community-based organizations, programs, and centers that provide services for Oregon City residents.
- b. Improve equitable access to comprehensive health care for all residents through cross-sector partnerships and coordination with service providers.
- c. Provide opportunities for learning and civic engagement at all ages through City services and partnerships with local schools.
- d. Support access to affordable healthy food for all Oregon City neighborhoods.
- e. Build and enhance partnerships between police, government agencies, local councils, and neighborhoods to enhance community safety and positive health outcomes.
- f. Pursue services and programs that support Oregon City's houseless residents in meeting daily needs while offering stable and lasting solutions.

Goal 4

Integrate diversity, equity, and inclusion (DEI) best practices when evaluating land use policies, programs, and regulations.

Policies:

- a. Implement DEI practices in City business and operations, and when evaluating and selecting public improvement projects.
- b. Ensure housing policies and regulations increase home ownership and rental opportunities for all household sizes, types, and incomes.
- c. Establish land uses that promote a balance of jobs and housing across Oregon City to strengthen access to employment and reduce barriers for historically disinvested communities.



- ✓ **Economic Development**
- ✓ **Housing**
- ✓ **Urbanization**
- ✓ **Design and Development**

Goal 1

Provide opportunity for a diversity of goods, services, and employment options to work toward a dynamic, ecologically sound, and socially equitable economy.

Policies:

- a. Regularly update City-wide economic studies to guide development of strategies and policies that improve economic health and resiliency.
- b. Ensure a suitable amount of land is dedicated to employment uses.
- c. Support small and local businesses as well as retention and recruitment of medium to large sized businesses.
- d. Provide fair and equitable opportunities to compete for city contracts regardless of business owner ethnicity, gender, disability, or firm size.
- e. Create and maintain cooperative partnerships with other public agencies and private business groups interested in promoting economic development.
- f. Promote the city's destinations, natural resources, and cultural amenities to grow the tourism industry.
- g. Support a healthy and balanced workforce by providing affordable childcare opportunities.

Goal 2

Provide housing options, including both rental and ownership opportunities, that are attainable for the full diversity of Oregon City households.

Policies:

- a. Plan for housing supply that supports and implements the recommendations of the current Housing Needs Analysis.
- b. Ensure that land use designations and zoning code provisions allow a wide range of housing types.
- c. Support retention of existing homes and opportunities for community members to "age in place".
- d. Provide for and encourage transit-oriented development opportunities.
- e. Prioritize and support development of subsidized affordable housing.

Goal 3

Guide growth and development in a manner that implements the City's 2040 Vision and maintains an urban growth boundary that supports and accommodates projected population and employment during the 20-year planning period.

Policies:

- a. Promote efficient use of land and public infrastructure and plan for appropriate infill development, redevelopment, and new development.
- b. Promote development of complete walkable neighborhoods to reduce transportation demand and enhance localized access to community services and amenities.
- c. Designate land uses in a manner that balances opportunities for housing and jobs and ensures development is consistent and compatible with the community's needs and resources.

Goal 4

Encourage new development that incorporates sustainability and livability principles in site design and building construction.

Policies:

- a. Promote best practices for integrating residential infill development into the fabric of existing neighborhoods.
- b. Incorporate resource efficiency and sustainability in the built environment by emphasizing energy-saving features and practices in construction and development regulations.
- c. Utilize urban design principles that create livable and attractive public spaces that are reflective of Oregon City's community vision.
- d. Explore site and building design alternatives that balance high-quality and durable construction with affordability.

Goal 1

Provide a safe, comfortable, and accessible transportation network that equitably serves all modes of travel, including non-motorized modes.

Policies:

- a. Plan for and develop high levels of multi-modal connectivity throughout Oregon City, with an emphasis on access to community services, amenities, and key points of interest.
- b. Reduce Oregon City's carbon footprint by supporting and emphasizing active transportation modes.
- c. Promote safety by implementing street design that equally considers and serves non-motorized and motorized users.
- d. Prioritize transportation improvements in underserved, low-income neighborhoods.
- e. Support opportunities for safe, affordable, and accessible transit service, including regional efforts to expand public transportation networks.
- f. Explore public parking programs and transportation demand management in downtown Oregon City.

Goal 2

Ensure public utilities and infrastructure are maintained and improved to adequately serve all existing areas of Oregon City and can be extended to serve newly developing areas in a logical and fiscally responsible manner.

Policies:

- a. Regularly update City infrastructure and utility master plans.
- b. Adjust system development charges to ensure the benefit of new development is captured while impacts to the system are proportionally shared.
- c. Prioritize public infrastructure investments in areas that are historically underserved.
- d. Increase resiliency to climate change and natural hazard events in public utility infrastructure.
- e. Coordinate City-wide communication and outreach efforts around utility rates and other operational changes.
- f. Support public-private partnerships to expand publicly available highspeed internet service City-wide.

Goal 3

Serve the health, safety, and welfare of all Oregon City residents through provision of comprehensive public facilities and services.

Policies:

- a. Seek and support opportunities to increase access to digital communications for all Oregon City residents and businesses.
- b. Maintain a high level of police and fire protection and enhance service in underserved areas.
- c. Support and promote emergency preparedness and climate change resiliency efforts and programs.
- d. Coordinate with service providers to ensure high levels of public utility and infrastructure service.
- e. Ensure adequate funding to pay for public facilities and services.

Goal 4

Promote and support energy conservation, sustainability, and resiliency through best practices in infrastructure planning, operations, and management.

Policies:

- a. Identify and seek opportunities for sustainable practices in management and operation of public facilities and services.
- b. Continue to implement green, sustainable, and low impact approaches to stormwater management.
- c. Prioritize green street design in new development and redevelopment.
- d. Coordinate infrastructure to support the development of climate-friendly and equitable communities.
- e. Support opportunities to increase densities near activity and transit centers.



PROTECTED
ENVIRONMENT

- ✓ Parks and Recreation
- ✓ Natural Resources
- ✓ Climate Change
- ✓ Watersheds, Habitat

Goal 1

Provide and maintain a comprehensive system of parks, trails, and recreation amenities that is accessible to residents of all ages and abilities, enhances the environmental and visual quality of the community, and encourages healthy living.

Policies:

- a. Provide additional parklands to adequately serve the City's current and estimated future population based on adopted service levels and community needs.
- b. Provide equitable distribution of parks and trails across the City by prioritizing park and trail development in underserved neighborhoods and high-density developments.
- c. Provide a network of signage and trails to enhance connections within parks, and between parks, neighborhoods, and public amenities.
- d. Reduce barriers to park use and improve safety and accessibility of parks resources for all users, regardless of ability, comfort level, or native language.

Goal 2

Conserve, protect, and enhance the function, health, and diversity of the City's natural resources and ecosystems.

Policies:

- a. Implement site development and design practices that incorporate natural ecosystem enhancement, minimize impacts on natural resources, and avoid degradation or loss of wetlands, watershed, and habitat.
- b. Bolster efforts to reduce landfill demand through re-use, recycling, and composting methods.
- c. Protect and enhance the urban forest tree canopy.
- d. Support water conservation efforts within the Willamette Basin.
- e. Promote outdoor lighting that is designed to reduce the negative impacts of light pollution.
- f. Support programs and methods that will improve air quality in Oregon City.
- g. Protect the Clackamas and Willamette Rivers and Newell Creek as the centerpieces of Oregon City's natural environment.
- h. Establish, restore, and maintain a network of connected wildlife habitat corridors.

Goal 3

Ensure the safety of residents and property by supporting plans, programs, and investments that aid in rapid response and recovery and minimize the future risk of natural hazard events.

Policies:

- a. Utilize public-private partnerships to educate residents on the importance of community hazard planning and resilience.
- b. Restrict development in unsafe areas and where development would increase hazard impacts, such as steep slopes, landslides, wetlands, streams, and floodplains.
- c. Invest in retrofits and infrastructure redundancies to reduce service losses during an extreme weather or natural hazard event.
- d. Prioritize restoration of critical services following a natural hazard event.
- e. Collaborate with adjacent jurisdictions to coordinate emergency communication systems and distribution of resources in the event of an emergency or natural disaster.



CITY OF OREGON CITY

Staff Report

625 Center Street
Oregon City, OR 97045
503-657-0891

To: Natural Resources Committee
From: Teresa Montalvo, Planning Manager

Agenda Date: 2/9/2022

SUBJECT:

Street Tree List and Street Tree Standard Drawing Update

STAFF RECOMMENDATION:

Continued discussion of revisions to the Street Tree List and Street Tree Planting Standard Drawing and explore options for 2.5' – 3' planting strips.

EXECUTIVE SUMMARY:

The Oregon City Street Tree List was last updated in 2013 and the Natural Resources Committee (NRC) is updating the list to address climate change, reviewing the appropriateness of the species associated with each planter strip size, and evaluating the street tree standard drawing for opportunities to improve future tree health and ensure the best possible opportunity for success.

BACKGROUND:

While the NRC is reviewing the list for climate change, the City Commission would also like the NRC's advice on the following items related to the street tree list:

- Review the list with particular attention to tree species that will not cause damage to the adjacent sidewalk.
- The street tree list identifies replacement species for planter strips as narrow as 2.5 feet. The City Commission requests that the NRC identify the minimum width of a planter strip sufficient for planting.
- The City has a standard planting detail which includes installation of a root barrier, but owners who are replacing trees are not required to install the barrier. The City Commission requests the NRC review the planting detail and assemble a list of planting tips to ensure that all trees have the best possible opportunity for success.

For the last several months the NRC has worked to develop a revised *Street Tree List* in an effort to proactively prepare for climate change. Considerations have included tree species hardiness and ability to withstand events such as the 2021 ice storm and ensuring that the right species is recommended based upon the size of the planting strip to ensure tree health and the greatest opportunity for success. The NRC has also evaluated the City's Street Tree Planting Standard Drawing and has made suggestions to the Public Works Department for ways to improve tree viability and success. The NRC, Public Works, and Planning staff continue to collaborate on revisions to the Street Tree List and the Street Tree Standard Drawing.

Narrow Planting Strips

One area of Committee focus is how best to address existing planting strips that are between 2.5'-3' in size. The Committee continues to explore species that might have the greatest opportunity for survival within these narrow planting areas, including under what circumstances planting shrubs might be feasible. Consideration has also been given to how planting within said areas can impact the abutting sidewalk and pedestrian circulation system.

Options that have been raised for further discussion include:

- Removal of the requirement for street trees to be planted within 2.5'-3' planting strips. For homeowners who want to voluntarily plant trees within the narrow planting strip, continue to evaluate the appropriate tree species and explore options for removing the requirement for homeowners to record a covenant if the tree is planted on private property.
- Continue to require street trees within narrow planting strips; explore ways to evaluate appropriate tree species for these areas; review whether there are ways to help encourage homeowners to plant trees on private property to meet this requirement.

OPTIONS:

1. Discussion and direction to City staff

BUDGET IMPACT:

Amount: N/A

FY(s):

Funding Source(s):

OREGON CITY STREET TREE LIST (Reso. 13-27, Adopted xx/xx/xxx)

COMMON NAME	SCIENTIFIC NAME	MATURE HEIGHT (ft)	CANOPY SPREAD (ft)	POWER LINE OK?	STRUCTURE	FOLIAGE	FLOWERS, FRUIT, OTHER SPECIAL INTEREST	OREGON NATIVE?	Notes
STREET TREE OPTIONS FOR 2.5' TO 3' PLANTING STRIP									
Chinese Fringetree	<i>Chionanthus retusus</i>	20	25'	yes	Upright, oval	Fragrant white "fringe-like" flowers	Showy white fluffy flowers at branch tips. Olive-like blue fruits on female trees.	No	
Chinese Pistache	<i>Pistachia chinensis</i> - 4	25	25'	Yes	Oval, Rounded or Umbrella	Green. Red, Gold, Orange or Multicolored in Fall.	Inconspicuous. Flowers in Spring. Fruit Prolific, Red or Mostly Blue Drupe.	No	
Crape Myrtle	<i>Lagerstroemia cultivars</i> -5	20	20'	Yes	Oval, Rounded, Umbrella or Vase	Dark green, usually with a slight gloss.	Showy, Lavender, Pink, Red, Rose or White. Flowers in Summer.	No	
Paperbark Maple	<i>Acer griseum</i> - 6	25	20	Yes	Narrow to rounded	Dark green above, silvery below turning brilliant red	thin strips	No	
Roughbark Maple	<i>Acer triflorum</i>	25	20'	Yes	Oval	dark green, becoming yellow, orange and/or scarlet in fall;	Flower yellow.	No	
Vine Maple	<i>Acer circinatum</i>	25	10	Yes	Upright, spreading	Medium green turning orange to bright red	Winged fruit resembling bow ties, thrives in shade	Native	
Japanese Snowbell	<i>Styrax japonicus</i>	25	25'	Yes	Rounded, horizontal	Medium to dark green, glabrous above.	Flowers perfect, bell-shaped, 2 cm wide, white with yellow stamens	No	
Japanese Tree Lilac	<i>Syringa reticulata</i> - 7	25	20'	Yes	Pyramidal	Green	White panicles and yellow brown fruit	No	
Eastern Redbud	<i>Cercis canadensis</i> - 8	25	30	Yes	Round	Rich green, heart shaped turning yellow	Small rosy pink flowers with 4-6 dried pods	No	Weak wood, not drought tolerant
Summer Sprite Linden	<i>Tilia cordata</i> 'Halka'	20	15'	Yes	Dense compact crown, sheared appearance	Yellow fall color	JF Schmidt small varietal	No	prone to aphids and sticky sap drop below canopy

COMMON NAME	SCIENTIFIC NAME	MATURE HEIGHT (ft)	CANOPY SPREAD (ft)	POWER LINE OK?	STRUCTURE	FOLIAGE	FLOWERS, FRUIT, OTHER SPECIAL INTEREST	OREGON NATIVE?	Notes
RECOMMENDED STREET TREES FOR PLANTING IN 3' TO 4' PLANTING STRIP									
Trident Maple	<i>Acer buergeranum</i> - 10	25	20	Yes	Oval to Round	Glossy green turning yellow orange red	Exfoliating bark, adaptable to varied conditions	No	Nice looking tree, cool bark, unique leaf, have performed above par (better than Japanese maples in the sun and heat).
Vine Maple	<i>Acer circinatum</i>	25	10	Yes	Upright Spreading	Medium green turning bright orange and red	Northwest native maple, open delicate form, thrives in shade	Native	
Pyramidal Serviceberry	<i>Amelanchier canadensis pyramidalis</i>	30	20	Yes	Very upright	Dark green turning brilliant red and orange	White flowers in spring, dark purple fruit attract birds		not drought tolerant
Allegheny Serviceberry	<i>Amelanchier laevis</i>	25	15	Yes	Upright and oval	Green turning orange	White flowers in spring, blue purple fruit attract birds	No	not drought tolerant
Western serviceberry Eddies White Wonder Dogwood	<i>Amelanchier alnifolia</i>	25	25	Yes	Vertical, dense		Metro Green Street Tree**	Native	not drought tolerant
	<i>Cornus nutalli X florida</i>	40	15	Yes	Dense horizontal drooping	Good red fall color	White flowers	Partly	not drought tolerant
Columnar Goldenrain	<i>Koelreuteria paniculata fastigiata</i>	30	16		Narrow Fastigiate	Green turning yellow	Yellow flowers in summer, brown persistent fruits, tolerant of poor conditions	No	
Goldenrain Tree	<i>Koelreuteria paniculata</i> -12	30	20		Round, Open	Green turning yellow	Yellow flowers in summer, brown persistent fruits, tolerant of poor conditions	No	
Japanese Tree Lilac	<i>Syringa reticulata</i>	25	15	Yes	Pyramidal	Green	White panicles and yellow brown fruit	No	
Ivory Silk Tree Lilac	<i>Syringa reticulata</i> 'Ivory Silk'	25	15	Yes	Pyramidal	Green	White panicles and yellow brown fruit	No	
Summer Sprite Linden	<i>Tilia cordata</i> 'Halka'	20	15'	yes	oval	Medium dark green leaves, excellent flowers for pollinators in early summer.	drought tolerant, low maintenance, easy to transplant. Semi-dwarf growth habit	No	Resilient tree, establishes well, prone to aphids and sticky sap drop below canopy
Crape myrtle	<i>Lagerstroemia</i> - larger tree-sized cultivars - 16	25-30	25	Yes	Usually upright, vase shaped	Red to reddish-orange in fall, best in full sun	Fall color varies by cultivar - Natchez = white, Arapaho = deep pink, Muskogee = pale lavender	No	Very heat tolerant but need watering for best flowering.

COMMON NAME	SCIENTIFIC NAME	MATURE HEIGHT (ft)	CANOPY SPREAD (ft)	POWER LINE OK?	STRUCTURE	FOLIAGE	FLOWERS, FRUIT, OTHER SPECIAL INTEREST	OREGON NATIVE?	Notes
Crepe myrtle – Natchez	<i>Lagerstroemia indica</i>	15-25	15'	yes	shrub/tree, vase shape	Dark green, orange/red in fall	Has thin, gray bark that exfoliates, exposing smooth under-bark with varying colors ranging from brown to gray. White flowers	no	Very heat tolerant but flower best if watered in early summer
Crepe myrtle – Arapaho	<i>Lagerstroemia indica</i>	15-25	15'	yes	shrub/tree, vase shape	Dark green, orange/red in fall	Has thin, gray bark that exfoliates, exposing smooth under-bark with varying colors ranging from brown to gray. Deep pink flowers.	no	Very heat tolerant but flower best if watered in early summer
Crepe myrtle – Muskogee	<i>Lagerstroemia indica</i>	15-25	15'	yes	shrub/tree, vase shape	Dark green, orange/red in fall	Has thin, gray bark that exfoliates, exposing smooth under-bark with varying colors ranging from brown to gray. Pale lavender flowers	no	Very heat tolerant but flower best if watered in early summer
Crepe myrtle – Wichita	<i>Lagerstroemia indica</i>	15-25	15'	yes	shrub/tree, vase shape	Dark green, orange/red in fall	Has thin, gray bark that exfoliates, exposing smooth under-bark with varying colors ranging from brown to gray. Deep purple flowers	no	Very heat tolerant but flower best if watered in early summer

RECOMMENDED STREET TREES FOR PLANTING IN 4 ½' TO 5 ½' PLANTING STRIPS

Pyramidal European Hornbeam	<i>Carpinus betulus “Fastigiata”</i>	35	20		Dense, Upright, Pyramid to Oval	Dark green turning yellow	Retains leaves into winter, small hard nutlets in clusters		strong wood, drought tolerant
Frans Fontaine Hornbeam	<i>Carpinus betulus “Frans Fontaine”</i>	35	15	Yes	Broadly oval	Dark green turning yellow			strong wood, drought tolerant
Cascara, chitum	<i>Frangula purshiana</i>	30	25	Yes	Upright	Green turn yellow	black berries ok for humans but not tasty, good for wildlife		not drought tolerant
Lavelle Hawthorne	<i>Crataegus x lavellei</i>	30	20		Upright	Dark glossy green turning bronze red	White flowers, red persistent fruit		
Saratoga Ginkgo	<i>Ginkgo biloba “Saratoga”</i>	30	30	Yes	Round	Greenish gold turning yellow	Avoid female plants, fruit is extremely messy and malodorous		strong wood, drought tolerant, pest/disease resistant. Beware stinky fruit on fer
Chitalpa x tashkentensis	<i>xChitalpa tashkentensis</i>	30	30	Yes	Upright	No fall color to speak of Blue green compound leaves. Unremarkable pale chartreuse fall color or none.	Tubular pink or white summer flowers attract hummingbirds. No seedpods (sterile hybrid). Heat tolerant.		Weak wood, not drought tolerant
Amur Maackia	<i>Maackia amurensis</i>	30	25'	Yes			Small white flower clusters in summer attract pollinators. Few pests or diseases. Small, flat brown seedpods.		
Golden Colonnade Ginkgo	<i>Ginkgo biloba "Golden Colonnade" -17</i>	45	35		Narrow broadening in age	Medium green turning gold/yellow	Fruitless clone	No	strong wood, pollution and drought tolerant
Windover Gold Ginkgo	<i>Ginkgo biloba “Windover Gold”</i>	40	25'	yes	upright	Medium green turning gold/yellow	Fruitless clone	No	strong wood, pollution and drought tolerant
Princeton Sentry Ginkgo	<i>Ginkgo biloba "Princeton Sentry"</i>	40	15		Narrowly pyramidal	Light green turning bright yellow	Fruitless clone	No	strong wood, pollution and drought tolerant
Osage organge	<i>Maclura pomifera -18</i>	30	35	Yes	oval	fruitless/thornless varieties should only be chosen, leaves turn yellow in the fall	Male and female trees recommended but can be drought sensitive their first few years. Few pests or diseases. Only street tree in Moraceae family.	No	Strong wood, specify male trees only
American Hornbeam	<i>Ostrya virginiana - 19</i>	35	25		Oval	Medium green turning yellow	Male catkins visible in winter, greenish white nutlets	No	
Skyrocket Oak	<i>Quercus robur ‘Fastigiata’</i>	45	15		Fastigiate	Dark green turning yellow brown	Interesting oak for very narrow spaces	No	
Chancellor Linden	<i>Tillia cordata ‘Chancole’</i>	45	20		Pyramidal, upright	Dark green turning yellow	Yellow fragrant flowers attractive to bees	No	prone to aphids and sticky sap drop below canopy
"WirelessTM" Zelkova"	<i>Zelkova serrata ‘Schmidtlow’</i>	24	36	Yes	Broadly spreading vase	Medium green turning red		No	
Mushshino Zelkova	<i>Zelkova serrata "Musashino"</i>	45	20		Very narrow upright vase	Medium green	ideal for narrow street, good canopy clearance	No	

COMMON NAME	SCIENTIFIC NAME	MATURE HEIGHT (ft)	CANOPY SPREAD (ft)	POWER LINE OK?	STRUCTURE	FOLIAGE	FLOWERS, FRUIT, OTHER SPECIAL INTEREST	OREGON NATIVE?	Notes
Emerald Sunshine elm	<i>Ulmus propinqua</i> 'JFS Bieberich' - 21	35'	25'	Yes	Upright and vase shaped	Medium green turning yellow	heat and drought tolerant. Native to China	No	Excellent resistance to DED and elm-leaf beetle.
Emerald Avenue European Hornbeam	<i>Carpinus betulus</i> – 'JFS-KW1CB'	40'	28'	no	oval	green in summer, light gold in fall	strong wood, drought tolerant	no	improved form
Beacon oak	<i>Quercus bicolor</i> 'Bonnie and Mike'	40'	15'	no	upright	green in summer, yellow fall color	strong wood, good in wet soils	no	narrow swamp white oak
RECOMMENDED STREET TREES FOR PLANTING IN 6' TO 8' PARKING STRIPS									
European Hornbeam	<i>Carpinus betulus</i>	50	35		Oval to Round	Dark green to golden yellow	Holds leaves into winter	No	
Hackberry	<i>Celtis occidentalis</i> - 22	40	30		Oval	Dark green turning yellow	**Metro Green Street Tree	No	
Katsura Tree	<i>Cercidiphyllum japonicum</i> - 23	40	35		Oval	with orange or apricot tones. More orange-red fall color on 'Rotfuchs' variety fall color from butter yellow to orange/red/maroon - sometimes all three on same tree. Interesting bark mosaic of	Often sends up multiple leaders which requires thinning to produce good structure. Is sole species in its genus and the strong wood, drought tolerant. Does produce many competing branches that grow very thick so careful pruning required to space those out for good form. Few if any pests or diseases.	No	Very drought sensitive.
Persian Ironwood	<i>Parrotia persica</i>	35	20'	yes	Upright			No	Strong wood, drought tolerant
Yellowwood	<i>Cladastris lutea</i> - 24	40	35		Round	Yellow to bright green, orange/yellow fall	White fragrant flower clusters	No	
Tricolor Beech	<i>Fagus sylvatica</i> 'Roseo-Marginata'	40	30		Broad Oval	Purple with light pink border		No	
Saratoga Ginko	<i>Ginkgo biloba</i> 'Saratoga'	30	30		Round	Green gold to yellow	Avoid female plants, fruit is extremely messy and malodorous	No	
Golden Colonnade Ginkgo	<i>Ginkgo biloba</i> "Golden Colonnade" -17	45	35		Narrow broadening in age	Medium green turning gold/yellow	Fruitless clone	No	strong wood, pollution and drought tolerant
Windover Gold Ginkgo	<i>Ginkgo biloba</i> "Windover Gold"	40	25'	yes	upright	Medium green turning gold/yellow	Fruitless clone	No	strong wood, pollution and drought tolerant
Princeton Sentry Ginkgo	<i>Ginkgo biloba</i> "Princeton Sentry"	40	15		Narrowly pyramidal	Light green turning bright yellow	Fruitless clone	No	strong wood, pollution and drought tolerant
Shademaster Honeylocust	<i>Gleditsia triacanthos</i> 'Shademaster'	45	35		Vase	Dark green turning yellow		No	specify "thornless" male trees
Skyline Honeylocust	<i>Gleditsia triacanthos</i> 'Skyline'	50	30		Broad pyramidal	Medium green turning golden		No	
Halka Honeylocust	<i>Gleditsia triacanthos</i> 'Christie'	55	40		Upright	Green, yellow fall		No	
Kobus Magnolia	<i>Magnolia kobus</i> - 26	40	30		Round	Dark green	Evergreen leaves and flowers	No	
Royal Burgandy Cherry	<i>Prunus serrulata</i> 'Royal Burgandy'	30	20		Vase	Purple red to red and orange	Pink flowers	No	
Skymaster Oak	<i>Quercus robur</i> 'Pyramich'	50	25		Pyramidal	Dark green turning yellow		No	
Forest Green Oak	<i>Quercus frainetto</i> 'Schmidt'	50	30		Upright w/ strong central leader	Glossy deep green		No	
Glenleven Linden	<i>Tilia cordata</i> 'Glenleven'	45	30		Pyramidal	Medium green turning yellow		No	
Greenspire Linden	<i>Tilia cordata</i> 'Greenspire'	40	30		Pyramidal, symmetrical	Dark green, yellow fall		No	
Redmond Bigleaf Linden	<i>Tillia americana</i> x <i>euchlora</i> "Redmond"	35	25		Pyramidal	light green, yellow fall		No	
Rancho Linden	<i>Tillia cordata</i> 'Rancho'	40	30		Vigorous pyramidal	Small leaves		No	
Frontier Elm	<i>Ulmus</i> 'Frontier'	40	30		Broadly oval	Glossy green, burgundy fall	Resistant to Dutch elm disease and phloem necrosis but moderately susceptible to elm leaf beetles.	No	
Accolade Elm	<i>Ulmus japonica</i> x <i>wilsonia</i>	70	60		Vase shaped w/ arching limbs	Glossy green, yellow fall	Resistant to Dutch elm disease and phloem necrosis	No	Re+K113:P114sistant to elm leaf beetle and dutch elm disease
Triumph Elm	<i>Ulmus</i> 'Morton Glossy'	70	60		Upright oval to vase shaped	Glossy dark green, yellow fall		No	

COMMON NAME	SCIENTIFIC NAME	MATURE HEIGHT (ft)	CANOPY SPREAD (ft)	POWER LINE OK?	STRUCTURE	FOLIAGE	FLOWERS, FRUIT, OTHER SPECIAL INTEREST	OREGON NATIVE?	Notes
Green Vase Zelkova	<i>Zelkova serrata</i> 'Green Vase'	50	40		Vase shaped w/ upright arching limbs	Green, yellow fall		No	
Halka Zelkova	<i>Zelkova serrata</i> 'Halka'	45	30		Vase	Medium green turning yellow	Cultivar	No	
Village Green Zelkova	<i>Zelkova serrata</i> 'Village Green'	40	38		Vase to round	Deep green / rusty red fall	Not recommended for high wind areas	No	
"WirelessTM" Zelkova"	<i>Zelkova serrata</i> 'Schmidtlow'	24	36		Broadly spreading vase	Medium green turning red	Cultivar	No	
Musashino Zelkova	<i>Zelkova serrata</i> 'Musashino'	45	20		Very narrow upright vase	Medium green	Good for narrower street, clearance beneath canopy	No	
Hardy rubber tree	<i>Eucommia ulmoides</i>	45-50'	40		Round	dark green, elm like leaves. No fall color. can have good yellow, orange or red fall color.	Moderately drought tolerant, low maintenance, sap is stringy latex "rubbery"	No	
Lacebark elm, Chinese elm	<i>Ulmus parvifolia</i> - 27	40	50		Upright, vase, rounded		Exfoliating bark, adaptable to varied conditions	No	Resistant to Dutch Elm disease, phloem necrosis and pollution,
Blue Spanish fir	<i>Abies pinsapo</i> 'Glauca' - 28	50-60'	20-30'		Pyramidal one young, then broadening	Glauca' has bluish gray foliage,	Pink pollen cones are attractive against blue foliage.	No	More drought tolerant than other true firs.

COMMON NAME	SCIENTIFIC NAME	MATURE HEIGHT (ft)	CANOPY SPREAD (ft)	POWER LINE OK?	STRUCTURE	FOLIAGE	FLOWERS, FRUIT, OTHER SPECIAL INTEREST	OREGON NATIVE?	Notes
Silverleaf oak	<i>Quercus hypoleucoides</i> - 29	30-65'	30-40'		Upright, becoming more rounded	Gray leaf tops, silvery undersides. Evergreen.	Acorns are good for wildlife.	No	Very drought and heat tolerant.
Canyon live oak	<i>Quercus chrysolepis</i> - 30	30-60'	30-40'		Rounded	Deep gray, evergreen.	Acorns are good for wildlife.	Native	Very drought and heat tolerant.

RECOMMENDED STREET TREES FOR PLANTING IN 8 ½' AND LARGER PARKING STRIPS

Please Note: Species with a ** are from Metro's Illustrated Guide "Trees for Green Streets". They should be planted in an 8' or larger planter strip, or if in a tree well, at least 5' by 5' with removable pavers to make room for the tree as it grows.

Grand fir	<i>Abies grandis</i>	100	40		Upright, vertical, dense	Needles	Metro Green Street Tree**	Native	
Globe Serviceberry	<i>Amelanchier canadensis oblongifolia</i>	60	40		Round	Green turning bright yellow red	White flowers	No	Not drought tolerant
Katsura Tree	<i>Cercidiphyllum japonicum</i>	40	35		Oval	Blue green turning yellow to scarlet		No	Drought sensitive.
Deodar cedar	<i>Cedrus deodara</i>	80	60		Horizontal, dense		Metro Green Street Tree** Evergreen conifer.		
Atlas cedar	<i>Cedrus libani</i> ssp. <i>Atlantica</i>	60	60		Broad, spreading with age	Green in the species, brilliant blue in 'Glauca'	Metro Green Street Tree** Evergreen conifer. Does not attract moths. Elephant and gray bark is easily damaged by the sun. Very shade tolerant. Fairly shallow roots. Casts dense shade - hard to grow anything	No	Drought tolerant
Purple Rivers Beech	<i>Fagus sylvatica 'Riversii'</i>	60	40		Oval	Deep purple turning bronze		No	strong wood
Tricolor Beech	<i>Fagus sylvatica 'Roseo-Marginata'</i>	40	30		Broad Oval	Purple with light pink border	Shade tolerant. Casts dense shade. Not drought tolerant.	No	strong wood
Shangri La Ginkgo	<i>Ginkgo biloba 'Shangri La</i> - 33	55	40		Upright then oval, rounded	Green turning to yellow	Fruitless, long-lived. Few pests or diseases. Tolerant of air pollution. Not much wildlife benefit.	No	Drought tolerant once established
Halka Honeylocust	<i>Gledisia triacanthos 'Christie'</i>	55	40		Upright	Green turning yellow	Podless (mostly) and thornless	No	drought tolerant
Kentucky Coffee Tree	<i>Gymnocladus dioicus</i>	70	40		Open	Bipinnately compound leaves turn yellow	Espresso and True North cultivars are podless. Few pests or diseases.	No	strong wood, drought tolerant
Dawn Redwood	<i>Metasequoia glyptostroboides</i>	70	25		Pyramidal to oval	Green turning orange to russet in fall	Deciduous conifer, looks like a redwood in summer	No	
Black Tupelo	<i>Nyssa sylvatica</i>	40	20	Yes	Pyramidal when young, spreading w/ age	Dark green glossy, copper/red in fall	Inconspicuous flowers are good for pollinators and excellent for honey. Birds relish blue fruits.	No	
Chinese scholar tree	<i>Sophora japonica</i>	50	40		Oval	Green, yellow in fall	Metro Green Street Tree**,	No	
London plane	<i>Platanus × acerifolia</i> - 34	100	65		Spreading	Green turning red in fall	Metro Green Street Tree**,	No	
Bur Oak	<i>Quercus macrocarpa</i>	80	40		Horizontal, dense	Glossy green above and paler below	Not shade tolerant, needs ample space, somewhat susceptible to disease and pests	No	
Shumard Oak	<i>Quercus shumardii</i>	70	50		Horizontal, open	Glossy, dark green, turning brown to red in fall	Large acorns, tolerates drought and seasonal flooding	No	
Swamp White Oak	<i>Quercus bicolor</i>	60	45		Vertical, dense	Glossy green above, gray / white pubescent below.	some tolerance to drought and urban conditions	No	easy to transplant, good for tree wells, heat/drought tolerant
Oregon White Oak	<i>Quercus garryana</i>	65	45		Vertical, dense	Dark green, round lobed turning brown	Excellent wildlife tree, Needs ample space, sunlight.	Native	drought tolerant, tough to transplant
English Oak	<i>Quercus robur</i>	60	40		Vertical, dense	Dark green above, bluish green below,	Tolerates drought / seasonal flooding, poor soils, prefers well-drained soil	No	
Accolade Elm	<i>Ulmus hybrids</i>	60	40		Vase	Lustrous, smooth, dark green turning yellow	Resembles American elm, Reportedly tolerant of Dutch elm disease, elm leaf miner and elm leaf beetle	No	
Halka Zelkova	<i>Zelkova serrata 'Halka'</i>	45	30		Vase	Medium green turning yellow	Resistant to DED.	No	
Chinkapin oak	<i>Quercus muehlenbergii</i>	45-50'	45	no	round	dark green, brown in fall	tough, drought tolerant	no	
Texas red oak	<i>Quercus nuttallii</i>	50'	45	no	round	green in summer, red in fall	adapted to wet soils	no	

COMMON NAME	SCIENTIFIC NAME	MATURE HEIGHT (ft)	CANOPY SPREAD (ft)	POWER LINE OK?	STRUCTURE	FOLIAGE	FLOWERS, FRUIT, OTHER SPECIAL INTEREST	OREGON NATIVE?	Notes
Forest Knight oak	<i>Quercus robur</i> x <i>Q. alba</i> 'Tabor'	50'	45'	no	round	green in summer, orange-red in fall	hybrid vigor, improved resistance to powdery mildew		
Burgundy Vase zelkova	<i>Zelkova serrata</i> 'Burgundy Vas	60-75'	50-60'		Similar vase shape to Green Vase with better branch angles	Burgundy fall color	Improved canker resistance. Resistant to DED.	No	
Southern red oak, dagger oak	<i>Quercus falcata</i> - 36	60-80	40-60		Straight trunk, open-rounded	Reddish-brown in fall but not very showy.	Acorns feed wildlife. Bark dark and furrowed with age.	No	Moderately drought tolerant.
Black oak	<i>Quercus velutina</i> - 37	50-65	50-60		Globe-shaped, spreading crowns	Green turning gold, brown or red.	Dark bark. Acorns are excellent food for wildlife.	No	Drought tolerant, tough tree for poor soils.
Cork oak	<i>Quercus suber</i> - 38	70-90	50-60		Tall and spreading	Grayish green.	Thick corky bark - the source of commercial cork.	No	Very drought tolerant.

OREGON NATIVE TREE SPECIES

Please Note: In general, native trees are NOT recommended as Street Trees within parking strips due to the large planting area required (at least 10' wide). There are some exceptions, which are listed above.

Large native trees are appropriate behind the sidewalk in a yard or park area. The city encourages the planting of native plants and trees where appropriate. For further information, please refer to the following resources:

OSU Extension Service Landscape Plants website <http://oregonstate.edu/dept/ldplants/native-or.htm#native>

Oregon City Native Plant List <http://www.orcity.org/sites/default/files/Native%20Plant%20List.pdf>

Portland Plant List <http://www.portlandonline.com/auditor/index.cfm?&a=322280&c=34460>

Metro Trees for Green Streets Booklet (For Purchase) <http://www.oregonmetro.gov/index.cfm/go/by.web/id=26337>

OTHER LARGE TREES

Please Note: Many species of large trees are NOT recommended as Street Trees within parking strips due to the large planting area required (at least 10' wide) or because they have certain characteristics that make them unsuitable as street trees (e.g. intolerance of clay soils, dust, or weaker structure or wood). There are some exceptions, which are listed above.

Large trees may be appropriate behind the sidewalk in a yard or park area. The city encourages the planting of large trees where appropriate. For further information, please refer to the following resources:

Portland Plant List <http://www.portlandonline.com/auditor/index.cfm?&a=322280&c=34460>

Metro Trees for Green Streets Booklet (For Purchase) <http://www.oregonmetro.gov/index.cfm/go/by.web/id=26337>

Remove/Hiatus	COMMON NAME	SCIENTIFIC NAME	MATURE HEIGHT (ft)	CANOPY SPREAD (ft)	POWER LINE OK?	STRUCTURE	FOLIAGE	FLOWERS, FRUIT, OTHER SPECIAL INTEREST	OREGON NATIVE?	Notes
Hiatus	Rocky Mountain Glow Maple	<i>Acer grandidentatum</i> "schmidt"	25	15	Yes	Oval	Dark green turning bright orange to red	Requires well drained soil	No	
Hiatus	Queen Elizabeth Hedge Maple	<i>Acer campestre</i> "Queen Elizabeth"	35	30	Yes	Upright, Oval	Dark green turning yellow			
Hiatus	Paperbark Maple	<i>Acer griseum</i>	30	20	Yes	Round	Green w/silver under, bright red orange in fall	Interesting cinnamon brown under exfoliating bark		
Hiatus	State StreetTM Maple	<i>Acer miyabei</i> 'Morton'	45	30		Upright, oval	Dark green turning yellow	Native to Japan, endangered	No	
Hiatus	Sycamore Maple	<i>Acer pseudoplatanus</i>	60	50		Wide spread	Green turning yellow		No	Outside i
Hiatus	Wineleaf Sycamore Maple	<i>Acer pseudoplatanus</i> 'Spaithii'	30	50		Pyramidal	Dark green		No	

OREGON CITY STREET TREE LIST (Reso. 13-27, Adopted 12/04/2013)

COMMON NAME	SCIENTIFIC NAME	MATURE HEIGHT (ft)	CANOPY SPREAD (ft)	POWER LINE OK?	STRUCTURE	FOLIAGE	FLOWERS, FRUIT, OTHER SPECIAL INTEREST	OREGON NATIVE?
RECOMMENDED STREET TREES FOR 2.5' TO 3' PLANTING STRIP								
Cornelian Cherry Dogwood	<i>Cornus mas</i>	15	20	Yes	upright rounded to upright spreading	medium to dark green		
Eddie's White Wonder Dogwood	<i>Cornus nuttallii</i> x <i>Cornus florida</i>	40	15	Yes	Dense horizontal drooping habit.	Good fall color	White flowers	
Flowering Dogwood	<i>Cornus florida</i>	20	25	Yes	Upright	Bright green, lighter underside turning glowing	Small clusters before leaves appear in May	
Japanese Dogwood	<i>Cornus kousa</i>	25	25	Yes	Vine shaped	Lustrous medium green turning yellow to scarlet	Small clusters with raspberry like fruit, blooms later than most	
Starlight Dogwood	<i>Cornus kousa</i> X <i>nuttallii</i>	30	20	Yes	Upright, oval	Deep green, Fall red	Large, creamy white flower, fruit 3/4" , orange	
Carolina Silverbell	<i>Halesia carolina</i>	35	15'	Yes	Rounded, often low branched	yellow to yellow green autumn color.	White, bell-shaped flowers in spring offer mild interest;	
Bigleaf Snowbell Tree	<i>Styrax obassia</i>	35	25'	Yes	upright and pyramidal-oval when	dark green above, pubescent beneath	Flowers white, fragrant	
Blireiana Plum	<i>Prunus x blireiana</i>	20	20'	Yes	rounded, dense branching, trunk often	first purple but fade to green	Blooms early spring, Flowers pink, fragrant. Fruit purplish red	
Chinese Pistache	<i>Pistachia chinensis</i>	25	25'	Yes	Oval, Rounded or Umbrella	Green. Red, Gold, Orange or Multicolored in Fall.	Inconspicuous. Flowers in Spring. Fruit Prolific, Red or Mostly	
Crape Myrtle	<i>Lagerstroemia cultivars</i>	20	20'	Yes	Oval, Rounded, Umbrella or Vase	Dark green, usually with a slight gloss.	Showy, Lavender, Pink, Red, Rose or White. Flowers in Summer.	
Amur Maple	<i>Acer ginnala</i>	20	20	Yes	Round	Medium green turning orange to scarlet red	Bright red, winged fruit	
Hedge Maple	<i>Acer campestre</i>	35	30	Yes	Round to oval	Dark green turning yellow	Corky bark that is striking in winter	
Japanese Maple	<i>Acer palmatum</i>	25	25	Yes	Upright, low branching	Green, yellow or red turning scarlet, orange or		
Paperbark Maple	<i>Acer griseum</i>	25	20	Yes	Narrow to rounded	Dark green above, silvery below turning brilliant	thin strips	
Roughbark Maple	<i>Acer triflorum</i>	25	20'	Yes	Oval	dark green, becoming yellow, orange and/or	Flower yelllow.	
Vine Maple	<i>Acer circinatum</i>	25	10	Yes	Upright, spreading	Medium green turning orange to bright red	Winged fruit resembling bow ties, thrives in shade	Native
Japanese Snowbell	<i>Styrax japonicus</i>	25	25'	Yes	Rounded, horizontal	Medium to dark green, glabrous above.	Flowers perfect, bell-shaped, 2 cm wide, white with yellow	
Japanese Tree Lilac	<i>Syringa reticulata</i>	25	20'	Yes	Pyramidal	Green	White panicles and yellow brown fruit	
Eastern Redbud	<i>Cercis canadensis</i>	35	30	Yes	Round	Rich green, heart shaped turning yellow	Small rosy pink flowers with 4-6 dried pods "	
Lavelle Hawthorn	<i>Crataegus x lavalleyi</i>	30	20	Yes	Upright, open	Glossy green turning bronze to copper red	White cluster flowers, showy orange-red fruit	
Summer Sprite Linden	<i>Tilia cordata 'Halka'</i>	20	15'	Yes	Dense compact crown, sheared	Yellow fall color	JF Schmidt small varietal	

COMMON NAME	SCIENTIFIC NAME	MATURE HEIGHT (ft)	CANOPY SPREAD (ft)	POWER LINE OK?	STRUCTURE	FOLIAGE	FLOWERS, FRUIT, OTHER SPECIAL INTEREST	OREGON NATIVE?
RECOMMENDED STREET TREES FOR PLANTING IN 3' TO 4' PLANTING STRIP								
Trident Maple	<i>Acer buergeranum</i>	25	20	Yes	Oval to Round	Glossy green turning yellow orange red	Exfoliating bark, adaptable to varied conditions	
Vine Maple	<i>Acer circinatum</i>	25	10	Yes	Upright Spreading	Medium green turning bright orange and red	Northwest native maple, open delicate form, thrives in shade	Native
Amur Maple	<i>Acer ginnala</i>	20	20	Yes	Upright Round	Green turning yellow to scarlet red	Small fragrant flowers followed by winged fruit	
Rocky Mountain Glow Maple	<i>Acer grandidentatum "schmidt"</i>	25	15	Yes	Oval	Dark green turning bright red	Requires well drained soil	
Paperbark Maple	<i>Acer griseum</i>	30	20	Yes	Round	Green w/silver under, bright red orange in fall	Interesting cinnamon brown under exfoliating bark	
Japanese Maple	<i>Acer palmatum</i>	25	25	Yes	Upright, low branching	Green, yellow or red turning scarlet, orange or	Many varieties including dwarf species	
Roughbark Maple	<i>Acer triflorum</i>	25	20	Yes	Dense and rounded	Dark green, becoming yellow, orange and/or		
Pyramidal Serviceberry	<i>Amelanchier canadensis pyramidalis</i>	30	20	Yes	Very Upright	Dark green turning brilliant red and orange	White flowers in spring, dark purple fruit attract birds	
Allegheny Serviceberry	<i>Amelanchier laevis</i>	25	15	Yes	Upright and Oval	Green turning orange in fall	White flowers in spring, blue purple fruit attract birds	
Western serviceberry	<i>Amelanchier alnifolia</i>	25	25	Yes	Vertical, dense		Metro Green Street Tree**	Native
Eddies White Wonder Dogwood	<i>Cornus nutalli X florida</i>	40	15	Yes	Dense horizontal drooping	Good fall color,	White flowers	
Starlight Dogwood	<i>Cornus kousa X nuttallii</i>	30	20	Yes	Upright, oval	Deep green, Fall red	Large, creamy white flower, fruit 3/4" , orange	
Crimson Cloud Hawthorn	<i>Crataegus laevigata "Crimson Cloud"</i>	25	18		Oval	Glossy green	Flowers are bright red with white center, bright red fruit	
Columnar Goldenrain	<i>Koelreuteria paniculata fastigiata</i>	30	6		Narrow Fastigate	Green turning yellow	Yellow flowers in summer, brown persistent fruits, tolerant of	
Goldenrain Tree	<i>Koelreuteria paniculata</i>	30	20		Round, Open	Green turning yellow	Yellow flowers in summer, brown persistent fruits, tolerant of	
Newport Plum	<i>Prunus cerasifera</i>	20	20		Oval to Round	Purplish Red	Single pink flowers	
Japanese Tree Lilac	<i>Syringa reticulata</i>	25	15	Yes	Pyramidal	Green	White panicles and yellow brown fruit	
Ivory Silk Tree Lilac	<i>Syringa reticulata 'Ivory Silk'</i>	25	15	Yes	Pyramidal	Green	White panicles and yellow brown fruit	
Skyrocket Oak	<i>Quercus robur "Fastigiata"</i>	45	15		Fastigate	Dark green turning yellow brown	Interesting oak for very narrow spaces	
Summer Sprite Linden	<i>Tilia cordata 'Halka'</i>							

COMMON NAME	SCIENTIFIC NAME	MATURE HEIGHT (ft)	CANOPY SPREAD (ft)	POWER LINE OK?	STRUCTURE	FOLIAGE	FLOWERS, FRUIT, OTHER SPECIAL INTEREST	OREGON NATIVE?
RECOMMENDED STREET TREES FOR PLANTING IN 4 ½' TO 5 ½' PLANTING STRIPS								
Queen Elizabeth Hedge Maple	<i>Acer campestre</i> “Queen Elizabeth”	35	30	Yes	Upright, Oval	Dark green turning yellow		
Rocky Mountain Glow Maple	<i>Acer grandidentatum</i> ‘Schmidt’	25	15		Oval	dark green, orange/yellow in fall		
Paperbark Maple	<i>Acer griseum</i>	30	20	Yes	Round	Green w/silver under, bright red orange in fall	Interesting cinnamon brown under exfoliating bark	
Pyramidal European Hornbeam	<i>Carpinus betulas</i> “Fastigiata”	35	20		Dense, Upright, Pyramid to Oval	Dark green turning yellow	Retains leaves into winter, small hard nutlets in clusters	
Frans Fontaine Hornbeam	<i>Carpinus betulas</i> “Frans Fontaine”	35	15		Broadly oval	Dark green turning yellow		
Chinese Dogwood	<i>Cornus kousa chinensis</i>	30	30		Round	Green turning red	White flowers and red pink fruit	
Lavelle Hawthorne	<i>Crataegus x lavelle</i>	30	20		Upright	Dark glossy green turning bronze red	White flowers, red persistent fruit	
Saratoga Ginkgo	<i>Ginkgo biloba</i> “Saratoga”	30	30	Yes	Round	Greenish gold turning yellow	Avoid female plants, fruit is extremely messy and malodorous	
Autumn Gold Ginkgo	<i>Ginkgo biloba</i> "Autumn Gold"	45	35		Narrow broadening in age	Medium green turning gold/yellow	Seedless clone	
Princeton Sentry Ginkgo	<i>Ginkgo biloba</i> "Princeton Sentry"	40	15		Narrowly pyramidal	Light green turning bright yellow		
American Hornbeam	<i>Ostrya virginiana</i>	35	25		Oval	Medium green turning yellow	Male catkins visible in winter, greenish white nutlets	
Columnar Sargent Cherry	<i>Prunus sargentii</i> ‘Columnaris’	35	15		Columnar	Green turning orange red	Deep pink flowers	
Pink Flair Cherry	<i>Prunus sargentii</i> ‘JFSKW58’	25	15		Narrow / Upright	Bright orange, red fall	pink clusters, blooms later (avoids frost), upright symmetry	
Capital Pear	<i>Pyrus calleryana</i> ‘Capital’	35	12		Columnar	Medium green turning reddish purple	White flowers in clusters, good for narrow spaces	
Chanticleer Pear	<i>Pyrus calleryana</i> ‘Glens Form’	40	15		Pyramidal	Glossy green turning orange red	White flowers in clusters, good for narrow spaces	
Flowering Pear 'Cleveland Select'	<i>Pyrus calleryana</i> "Cleveland Select"	40	15		Upright, pyramidal	Glossy, dark green turning wine red to scarlet	White cluster flowers, early bloomer	
Skyrocket Oak	<i>Quercus robur</i> ‘Fastigiata’	45	15		Fastigate	Dark green turning yellow brown	Interesting oak for very narrow spaces	
Japanese Stewartia	<i>Stewartia pseudocamellia</i>	40	20		Pyramidal	Dark green turning dark red	White camellia like flowers, mottled bark	
Chancellor Linden	<i>Tillia cordata</i> ‘Chancole’	45	20		Pyramidal, upright	Dark green turning yellow	Yellow fragrant flowers attractive to bees	
"WirelessTM" Zelkova"	<i>Zelkova serrata</i> ‘Schmidtlow’	24	36	Yes	Broadly spreading vase	Medium green turning red		
Mushshino Zelkova	<i>Zelkova serrata</i> "Musashino"	45	20		Very narrow upright vase	Medium green	ideal for narrow street, good canopy clearance	

COMMON NAME	SCIENTIFIC NAME	MATURE HEIGHT (ft)	CANOPY SPREAD (ft)	POWER LINE OK?	STRUCTURE	FOLIAGE	FLOWERS, FRUIT, OTHER SPECIAL INTEREST	OREGON NATIVE?
RECOMMENDED STREET TREES FOR PLANTING IN 6' TO 8' PARKING STRIPS								
State StreetTM Maple	<i>Acer miyabei 'Morton'</i>	45	30		Upright, oval	Dark green turning yellow	Native to Japan, endangered	
European Hornbeam	<i>Carpinus betulus</i>	50	35		Oval to Round	Dark green to golden yellow	Holds leaves into winter	
Hackberry	<i>Celtis occidentalis</i>	40	30		Oval	Dark green turning yellow	**Metro Green Street Tree	
Katsura Tree	<i>Cercidiphyllum japonicum</i>	40	35		Oval	Blue green turning yellow scarlet		
Yellowwood	<i>Cladastris lutea</i>	40	35		Round	Yellow to bright green, orange/yellow fall	White fragrant flower clusters	
Pacific Dogwood	<i>Cornus nutallii</i>	60	30		Broad upright	Deep green, bright fall color.		Native
Tricolor Beech	<i>Fagus sylvatica 'Roseo-Marginata'</i>	40	30		Broad Oval	Purple with light pink border		
Saratoga Ginkgo	<i>Ginkgo biloba 'Saratoga'</i>	30	30		Round	Green gold to yellow	Avoid female plants, fruit is extremely messy and malodorous	
Autumn Gold Ginkgo	<i>Ginkgo biloba "Autumn Gold"</i>	45	35		Narrow broadening in age	Medium green turning gold/yellow	Seedless clone	
Princeton Sentry Ginkgo	<i>Ginkgo biloba "Princeton Sentry"</i>	40	15		Narrowly pyramidal	Light green turning bright yellow		
Shademaster Honeylocust	<i>Gleditsia triacanthos 'Shademaster'</i>	45	35		Vase	Dark green turning yellow		
Skyline Honeylocust	<i>Gleditsia triacanthos 'Skyline'</i>	50	30		Broad pyramidal	Medium green turning golden		
Halka Honeylocust	<i>Gleditsia triacanthos 'Christie'</i>	55	40		Upright	Green, yellow fall		
Kobus Magnolia	<i>Magnolia kobus</i>	40	30		Round	Dark green	Evergreen leaves and flowers	
Royal Burgandy Cherry	<i>Prunus serrulata 'Royal Burgandy'</i>	30	20		Vase	Purple red to red and orange	Pink flowers	
Rancho Pear	<i>Pyrus calleryana 'Rancho'</i>	35	30		Narrow upright		White flowers	
Trinity Pear	<i>Pyrus calleryana 'Trinity'</i>	30	25		Broadly oval to round	Glossy green, orange/red fall	White flowers	
Scarlet Oak	<i>Querus coccinea</i>	50	40		Broad Oval	Glossy green turning scarlet		
Skymaster Oak	<i>Quercus robur 'Pyramich'</i>	50	25		Pyramidal	Dark green turning yellow		
Forest Green Oak	<i>Quercus frainetto 'Schmidt'</i>	50	30		Upright w/ strong central leader	Glossy deep green		
Glenleven Linden	<i>Tilia cordata 'Glenleven'</i>	45	30		Pyramidal	Medium green turning yellow		
Greenspire Linden	<i>Tilia cordata 'Greenspire'</i>	40	30		Pyramidal, symmetrical	Dark green, yellow fall		
Redmond Bigleaf Linden	<i>Tillia americana x euchlora "Redmond"</i>	35	25		Pyramidal	light green, yellow fall		
Rancho Linden	<i>Tillia cordata 'Rancho'</i>	40	30		Vigorous pyramidal	Small leaves		
Frontier Elm	<i>Ulmus 'Frontier'</i>	40	30		Broadly oval	Glossy green, burgundy fall	Disease tolerant	
Accolade Elm	<i>Ulmus japonica x wilsonia</i>	70	60		Vase shaped w/ arching limbs	Glossy green, yellow fall	Resistant to elm leaf beetle and dutch elm disease	
Triumph Elm	<i>Ulmus 'Morton Glossy'</i>	70	60		Upright oval to vase shaped	Glossy dark green, yellow fall		
Green Vase Zelkova	<i>Zelkova serrata 'Green Vase'</i>	50	40		Vase shaped w/ upright arching limbs	Green, yellow fall		
Halka Zelkova	<i>Zelkova serrata 'Halka'</i>	45	30		Vase	Medium green turning yellow	Cultivar	
Village Green Zelkova	<i>Zelkova serrata 'Village Green'</i>	40	38		Vase to round	Deep green / rusty red fall	Not recommended for high wind areas	
"WirelessTM" Zelkova"	<i>Zelkova serrata 'Schmidtlow'</i>	24	36		Broadly spreading vase	Medium green turning red	Cultivar	
Musashino Zelkova	<i>Zelkova serrata 'Musashino'</i>	45	20		Very narrow upright vase	Medium green	Good for narrower street, clearance beneath canopy	

COMMON NAME	SCIENTIFIC NAME	MATURE HEIGHT (ft)	CANOPY SPREAD (ft)	POWER LINE OK?	STRUCTURE	FOLIAGE	FLOWERS, FRUIT, OTHER SPECIAL INTEREST	OREGON NATIVE?
RECOMMENDED STREET TREES FOR PLANTING IN 8 ½' AND LARGER PARKING STRIPS								
Metro's Illustrated Guide "Trees for								
Grand fir	<i>Abies grandis</i>	100	40		Upright, vertical, dense	Needles	Metro Green Street Tree**	Native
Sycamore Maple	<i>Acer pseudoplatanus</i>	60	50		Wide spread	Green turning yellow		
Wineleaf Sycamore Maple	<i>Acer pseudoplatanus</i> ‘Spaithii’	30	50		Pyramidal	Dark green		
Red Horsechestnut	<i>Aesculus x carnea</i> ‘Briotii’	60	45		Round	Dark green turning yellow	Red flowers	
Globe Serviceberry	<i>Amelanchier canadensis oblongifolia</i>	60	40		Round	Green turning bright yellow red	White flowers	
Canoe or Paper Birch	<i>Betula papyrifera</i>	50	35		Oval	Dark green, yellow fall	The most permanent of the birches	Native
Katsura Tree	<i>Cercidiphyllum japonicum</i>	40	35		Oval	Blue green turning yellow to scarlet		
Red Bud	<i>Cercis canadensis</i>	20	25		Open spreading	Medium green turning yellow	Pink flowers	
Deodar cedar	<i>Cedrus deodara</i>	80	60		Horizontal, dense		Metro Green Street Tree**	
Atlas cedar	<i>Cedrus libani</i> ssp. <i>Atlantica</i>	60	60				Metro Green Street Tree**	
Purple Rivers Beech	<i>Fagus sylvatica</i> ‘Riversii’	60	40		Oval	Deep purple turning bronze		
Tricolor Beech	<i>Fagus slyvatica</i> ‘Roseo-Marginata’	40	30		Broad Oval	Purple with light pink border		
Flame Ash	<i>Fraxinus oxycarpa</i> ‘Flame’	35	30		Round	Green turning purple and red		
Urbanite Ash	<i>Fraxinus pennsylvanica</i> ‘Urbanite’	50	40		Broad pyramidal	Lustrous green turning bronze		
Summit Ash	<i>Fraxinus pennsylvanica lanceolata</i>	45	25		Pyramidal	Medium green turning yellow		
Saratoga Ginko	<i>Ginko biloba</i> ‘Saratoga’	30	30		Round	Green gold to yellow		
Halka Honeylocust	<i>Gledisia triacanthos</i> ‘Christie’	55	40		Upright	Green turning yellow		
Kentucky Coffee Tree	<i>Gymnocladus dioicus</i>	70	40		Open	Green		
Dawn Redwood	<i>Metasequoia glyptostroboides</i>	70	25		Pyramidal to oval	Green, yellow fall	Decidious conifer, looks like a redwood in summer	
Black Tupelo	<i>Nyssa sylvatica</i>	40	20	Yes	Pyramidal when young, spreading w/	Dark green glossy, copper/red in fall		
Sourwood	<i>Oxydendrum arboreum</i>	50	25		Pyramidal	Green to brilliant scarlet	White flowers	
Chinese scholar tree	<i>Sophora japonica</i>	50	40		Oval	Green, yellow in fall	Metro Green Street Tree**,	
Yoshino Cherry	<i>Prunus x yedoensis</i>	30	30		Spreading	Green turning yellow	Pink or white flowers	
London plane	<i>Platanus × acerifolia</i>	100	65		Spreading	Green turning red in fall	Metro Green Street Tree**,	
Scarlet Oak	<i>Quercus coccinea</i>	50	40		Broad oval	Glossy green turning scarlet		
Bur Oak	<i>Quercus macrocarpa</i>	80	40		Horizontal, dense	Glossy green above and paler below	Not shade tolerant, needs ample space, somewhat susceptible	
Shumard Oak	<i>Quercus shumardii</i>	70	50		Horizontal, open	Glossy, dark green, turning brown to red in fall	Large acorns, tolerates drought and seasonal flooding	
Swamp White Oak	<i>Quercus bicolor</i>	60	45		Vertical, dense	Glossy green above, gray / white pubescent	some tolerance to drought and urban conditions	
Oregon White Oak	<i>Quercus garryana</i>	65	45		Vertical, dense	Dark green, round lobed	Autumn color is saddle brown, wildlife tree, Needs ample space	Native
English Oak	<i>Quercus robur</i>	60	40		Vertical, dense	Dark green above, bluish green below,	Tolerates drought / seasonal flooding, poor soils, prefers well-	
Red Oak	<i>Quercus rubra</i>	70	50		Round	Green turning red		
Western red cedar	<i>Thuja plicata</i>	100	60		Pyramidal	Persistent, green	Metro Green Street Tree**, Does not like direct sun	Native
Accolade Elm	<i>Ulmus hybrids</i>	60	40		Vase	lustrous dark green and smooth	Resembles American Elm, Reportedly tolerant of Dutch elm	
Halka Zelkova	<i>Zelkova serrata</i> ‘Halka’	45	30		Vase	Medium green turning yellow		

OREGON NATIVE TREE SPECIES

Please Note: In general, native trees are NOT recommended as Street Trees within parking strips due to the large planting area required (at least 10' wide). There are some exceptions, which are listed above.

Large native trees are appropriate behind the sidewalk in a yard or park area. The city encourages the planting of native plants and trees where appropriate. For further information, please refer to the following resources:

OSU Extension Service Landscape Plants website

<http://oregonstate.edu/dept/ldplants/native-or.htm#native>

Oregon City Native Plant List

<http://www.orcity.org/sites/default/files/Native%20Plant%20List.pdf>

Portland Plant List

<http://www.portlandonline.com/auditor/index.cfm?&a=322280&c=34460>

Metro Trees for Green Streets

Booklet (For Purchase)

<http://www.oregonmetro.gov/index.cfm/go/by.web/id=26337>

OTHER LARGE TREES

Please Note: Many species of large trees are NOT recommended as Street Trees within parking strips due to the large planting area required (at least 10' wide) or because they have certain characteristics that make them unsuitable as street trees (e.g. intolerance of clay soils, dust, or weaker structure or wood). There are some exceptions, which are listed above.

Large trees may be appropriate behind the sidewalk in a yard or park area. The city encourages the planting of large trees where appropriate. For further information, please refer to the following resources:

Portland Plant List

<http://www.portlandonline.com/auditor/index.cfm?&a=322280&c=34460>

Metro Trees for Green Streets

Booklet (For Purchase)

<http://www.oregonmetro.gov/index.cfm/go/by.web/id=26337>

Create a soil bern 3-5 inches high around tree center after backfilling

MIN. 2" CALIPER
DECIDUOUS TREE

PLANT ROOT CROWN

4" UNSETTLED
BARK MULCH

SIDEWALK

8-FOOT 2" ROUND HARDWOOD TREE
STAKE, DRIVE INTO SOIL OUTSIDE OF
ROOT BALL. MINIMUM OF 2 STAKES,
1" CHAIN-LOCK TREE TIE.

~~24" DEEP COMMERCIALY ENGINEERED
ROOT BARRIER ALL SIDES (0.08" MIN.)
DEEPROOT UB 24-2 TREE ROOT
BARRIER OR APPROVED EQUAL.~~

~~INSTALL ROOT BARRIER 12"
FROM BACK OF CURB OR
IMPERVIOUS SURFACE~~

ROCK BASE FOR IMPERVIOUS
SURFACE

UNDISTURBED NATIVE SOIL

TWICE WIDTH OF
ROOT BALL

Root barrier flush
against sidewalk edge-
18" depth, min. 10'
length centered on
tree trunk

Root ball to rest on
pedestal of compacted
subgrade to prevent
settling

NOTES

1. DO NOT ADD EXCESS SOIL TO EXPOSE ROOT FLARE AND TO ENSURE TOP MOST ROOT IS NO MORE THAN 1-INCH BELOW ROOT BALL SURFACE. SEVER CIRCLING ROOTS WHERE APPROPRIATE. SET TOPMOST ROOT 2 INCHES ABOVE ADJACENT FINISHED GRADE. TRUNK FLARE SHALL BE VISIBLE.

2. CUT AND REMOVE WIRE BASKETS FROM SIDES OF ROOT BALL WITHOUT DEFORMING BALL. CUT OFF AND REMOVE BURLAP AND ROPE FROM TOP HALF OF ROOT BALL. COMPLETELY REMOVE SYNTHETIC ROPE AND NON-BIODEGRADABLE BURLAP.

3. TREES SHALL BE INSTALLED:

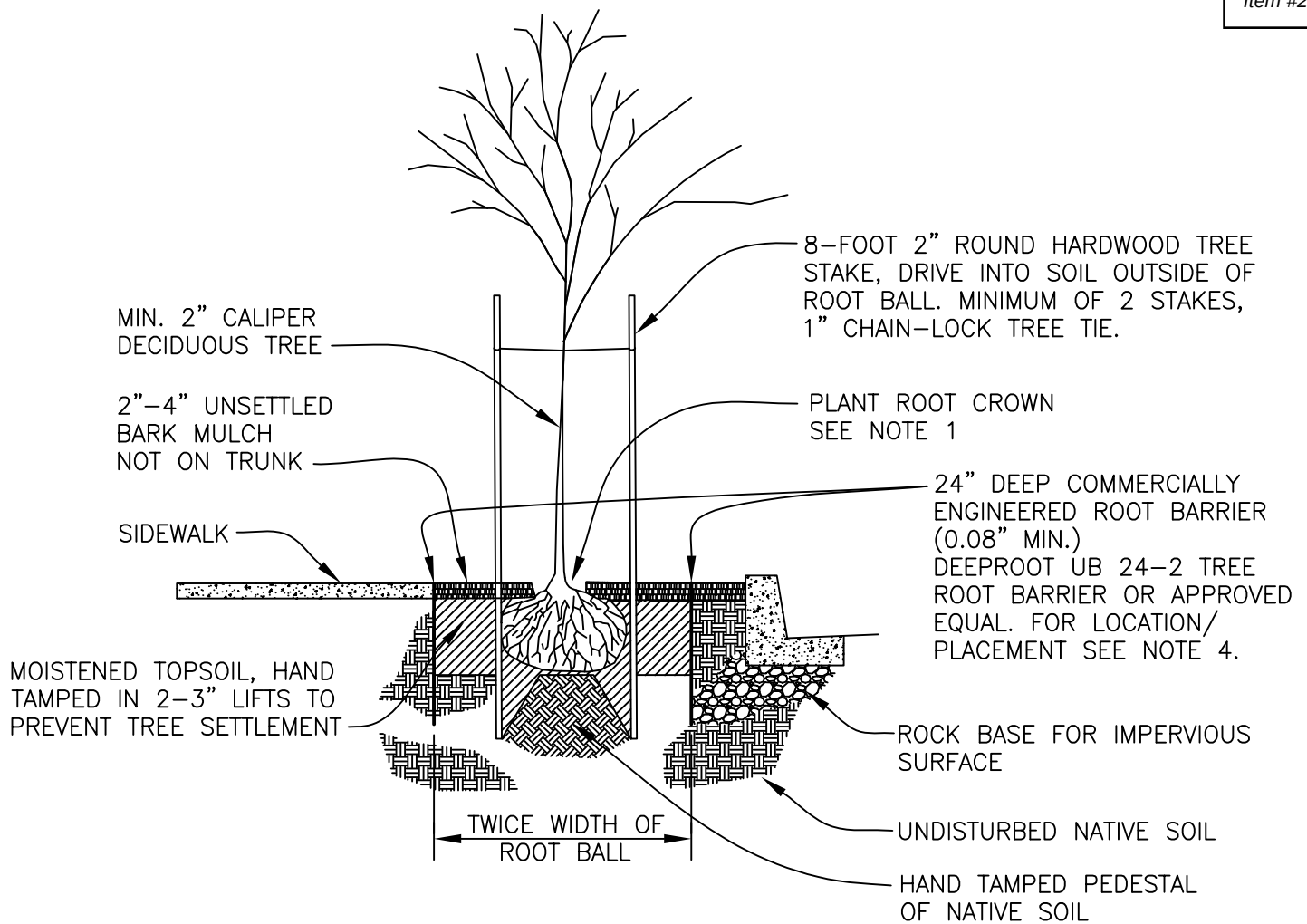
- A. 15' FROM STREET LIGHTS
- B. 5' FROM FIRE HYDRANTS
- C. 20' FROM INTERSECTIONS
- D. 5' FROM ALL PUBLIC UTILITIES (i.e. STORM, SEWER, AND WATERLINES, UTILITY METERS, ETC.)

4. Install root barrier flush against paving edge and set 1/2" above finish grade. Do not wrap panels around root ball or impede normal root growth

DRAWN	JRF	
ENGR.	NJK	
REV.	DATE	APPR.
1	12/19	DW
2	7/21	DW

City of Oregon City
Public Works Standard Drawings
**STREET TREE PLANTING
IN PLANTER STRIP**

SCALE	N.T.S.
DATE	APRIL 2012
APPR.	NJK
DRAWING NO.	530



NOTES

1. SET ROOT TRUNK COLLAR FLUSH TO 1" ABOVE FINISHED GRADE FOR LANDSCAPE AREAS AND PLANTER AREAS. FINISHED GRADE SHALL BE FLUSH WITH TOP OF CURB, FINISHED SIDEWALK, OR AT GRADE IN LANDSCAPE AREAS.
2. CUT AND REMOVE WIRE BASKETS FROM SIDES OF ROOT BALL WITHOUT DEFORMING BALL. CUT OFF AND REMOVE BURLAP AND ROPE FROM TOP HALF OF ROOT BALL. COMPLETELY REMOVE SYNTHETIC ROPE AND NON-BIODEGRADABLE BURLAP.
3. TREES SHALL BE INSTALLED:
 - A. 15' FROM STREET LIGHTS
 - B. 5' FROM FIRE HYDRANTS
 - C. 20' FROM INTERSECTIONS
 - D. 5' FROM ALL PUBLIC UTILITIES (i.e. STORM, SEWER, AND WATERLINES, UTILITY METERS, ETC.)
4. ROOT BARRIER SHALL BE PLACED ABUTTING ALL SIDEWALK EDGES, 12" FROM BACK OF CURB, OR 12" FROM IMPERVIOUS SURFACE AND SHALL EXTEND 20 FEET CENTERED WITH THE TREE BASE.

DRAWN		JRF	
ENGR.		NJK	
REV.	DATE	APPR.	
1	12/19	DW	
2	7/21	DW	
3	1/22	DW	

City of Oregon City
Public Works Standard Drawings

**STREET TREE PLANTING
IN PLANTER STRIP**

SCALE	N.T.S.
DATE	APRIL 2012
APPR.	NJK
DRAWING NO.	530