



PARKS, RECREATION TREES, & TRAILS ADVISORY BOARD SPECIAL MEETING AGENDA
December 14, 2021 | 4:30 p.m. | Virtual Meeting

****The State of Emergency declared by Governor Inslee temporarily prohibits in-person contacts with the public required by the Open Public Meetings Act and the Public Records Act. The May 29, 2020 Public Health Order by Jefferson County Health Officer Thomas Locke also states no in-person meetings are allowed. Participation will be by teleconference****

- Join via computer or tablet at <http://joinwebinar.com> enter 9 digit Webinar ID 489-143-707
- Join by phone in listen-only mode: (360) 390-5064 Ext. 3 access code: 177-060-048#
- Submit public comment emails to be read aloud (up to three minutes per person) to: publiccomment@cityofpt.us

I. Call to Order/Roll Call

II. Public Comment (3 minutes per person/agenda items only)

III. Old Business

- A. Boatyard Expansion and Sims Way Poplar Replacement – See attached recommended process for public engagement and tree replacement (Staff recommendation and board discussion) - 20 min
- B. Tree list discussion – See attached lists (Chair Jahnke and board discussion) – 20 min

IV. New Business

- A. 2022 Work Planning Process and Training (Heidi Greenwood, no action) – 15 min
- B. Discovery Road Project Landscaping Introduction (Steve King and Laura Parsons, no action) – 20 min

V. Staff update – Steve (5-10 minutes)

- A. Pool Brief
- B. Kearney Street intersection – WSDOT project options
- C. Park Maintenance Accomplishment – See attached

VI. Next Regularly Scheduled Meeting: February 22, 2022

VII. Adjourn

Parking Lot/Future Meetings

Right of Way Principles

PARKS, RECREATION & TREE ADVISORY BOARD MEETING MINUTES

Date: October 26, 2021

Time: 4:30 p.m.

Location: City Hall (virtual)

Members Present: Debbie Jahnke, Jennifer Rotermund, Jim Todd, John Nowak, Sean Koomen, Brenda McMillan

Members Excused:

Members Absent:

Staff Present: City Manager Mauro, Public Works Director Steve King, Parks Lead Operator Bre Ganne, and Deputy City Clerk Haylie Clement

Topic	Motions/Recommendation/Action
Approval of Agenda:	The agenda was unanimously approved.
Approval of Minutes:	The minutes of August 24, 2021 were unanimously approved.
Public Comment:	There was none.
Old Business: Gateway Park Tree Replacement. Public Works Director Steve King provided a list of tree replacement options and encouraged discussion amongst the board regarding the priority of tree variety. The following options were considered: California Ash (not readily available), Monterey Cypress, Palm, Corkscrew Willow, Scarlet Oak, Sweet Gum, Shore Pine, Linden, and Himalayan Cedar.	Through consensus, the Board recommended three possibilities. From the August meeting, California Ash. Alternatively, Monterey Cypress or an Interior Live Oak (landmark tree at Pierce and Lawrence). A Monterey Cypress is doing well nearby in similar conditions at Kah Tai.
Old Business: Arbor Day Report: Board member Jennifer Rotermund shared an overview of her acceptance of the proclamation on Oct. 4 th . Jennifer also provided a summary of the Adopt a Native Tree event on Oct. 17 th as a great success. Chair Jahnke also reflected positively on both.	No action. The Board issued thanks to Jennifer and recognition of her acceptance speech and how it related to the Poplar Replacement project.

<p>Old Business: Poplar Tree Removal and Replacement along Sims Way. Public Works Director Steve King briefed the Board on development since the last meeting as well as announced a virtual town hall meeting planned for November 9th at 5:00 p.m. Steve solicited advice and comments concerning the project and public response.</p>	<p>No Action Taken. The Board offered the following comments:</p> <ol style="list-style-type: none"> 1. Ensure that there is adequate funding to complete the replacement project. There is concern based on past experience that the funds run out and the replacement of trees suffer. 2. Recommend doing more proactive outreach to the media to get the facts out. 3. Recognize local expertise and comments such as the letters to the editor and comments to Council. 4. Stay away from monoculture; focus on natives 5. Clarify the funding sources 6. Highlight the values desired to be addressed.
<p>Old Business: Retroactive Review of Work Plan Summary for Council Retreat . Chair Jahnke provided an overview of the information provided to the City Manager and City Council dated July 4, 2021. Chair Jahnke asked if the Board concurred with the priorities given they had not had the chance to review.</p>	<p>No Action was taken. The Board reviewed the work plan summary retroactively. By consensus, the board supported and agreed with Chair Jahnke’s recommendations to the City Council. The next meeting will include an overview of the work planning process by City Attorney Heidi Greenwood.</p>
<p>New Business: Safe Space for Youth. John Nowak provided a summary of his work with youth and their desire to identify locations where youth can gather in a safe outdoor or large building environment.</p>	<p>No Action was taken. The Board, City Manager Mauro, and Steve King brainstormed options. The group acknowledged that the City does not have a space that meets the goal. The group suggested contacting the PDA regarding Fort Worden, the County regarding the Community Center, and the YMCA regarding space at Mountain View.</p>
<p>New Business: ARPA Funding. City Manager Mauro provided the board with an overview of how ARPA funding will be utilized to bring on a 2-year contract position to facilitate strategic planning for the Golf Course, Mountain View Campus, and sustainable parks and recreation funding.</p>	<p>No Action: The Board provided unanimous support and suggested very proactive community outreach.</p>

<p>New Business: DNR TreeLink, Tree of Heaven and Spotted Lantern Fly. Chair Jahnke provided an overview of concerns raised by DNR regarding the spread of the invasive species, Ailanthus (Tree of Heaven) and that it is the natural host for the invasive pest, the Spotted Lantern Fly. Chair Jahnke suggested a volunteer approach to mapping Ailanthus as a way to engage the community and raise awareness around the issue or potential problem that would result from an infestation of the Spotted Lantern Fly.</p>	<p>No Action: The Board discussed and suggested involving the School (Middle School/High School). The Board was supportive of this effort.</p>
<p>New Business: Trails and Volunteering. Steve King presented acknowledgement of the desire of volunteers to work on trails and expressed thanks. Steve expressed that this is a goal to empower volunteers given the great needs around 31 miles of the City trail system.</p>	<p>No Action. The Board expressed support for growing volunteer involvement.</p>
<p>Staff Update: Steve King provided a brief update on a number of park, trails, and tree related topics including pool operations being officially transferred to the YMCA, the skatepark fence project being completed, Pickleball discussion clarification that the City Council has not approved the project, and staffing including introducing our new employee, Shawn Wiles. Kurt Hardesty with the Street Dept. was also recognized as our new arborist. A future meeting will include right of way principles.</p>	<p>No Action. The Board was supportive of the next meeting including right of way principles discussion and overview.</p>
<p>Public Comment and Board Comment:</p>	<p>No public comment.</p>
<p>Next Meeting: The next regular meeting is scheduled early for December 14, 2021 at 4:30</p>	
<p>The meeting adjourned at approximately 5:45 p.m.</p>	



Boat Yard Expansion and Sims Way Poplar Replacement Project Recommended Public Process

Introduction:

Public engagement and local stakeholder involvement in this Boat Yard Expansion and Sims Way Poplar Replacement project is critical for successful outcomes. The focus of this recommended public process is its focus on the tree replacement and Sims Way gateway enhancement elements of the project. Based on public feedback to date, the following process is recommended to provide for stepwise stakeholder process that affords the opportunity to bring well thought out information to the public in several steps prior to the City Council making decisions on elements of the final plan.

Stepwise Stakeholder Process

1. After the December 15th Public Meeting, the partners (City, Port, and PUD) will solicit for professional services to include engineering for the boatyard expansion, general electrical design associate with the expansion and location of the underground transmission, and Sims way improvements including the path, Poplar replacement, and landscaping. For the Poplar replacement and Sims Way work we will be soliciting for expertise in Landscape Architecture and Arboriculture with knowledge of our Municipal Code's guidance on the importance of native species, species diversity and conifer/deciduous ratios.
2. Once a team of professionals is hired, the City will convene a 10 member stakeholder committee made up of 2-3 local experts in arboriculture, a Parks Recreation Trail and Tree Advisory Board (PRTTAB) liaison, and representatives for tourism, Port/boatyard/marine trades, PUD/safety, Admiralty Audubon/Kah Tai. City, Port, and PUD staff will also participate.
3. A series of stakeholder meetings will help the team establish the appropriate replacement plan. The intent being that developing the poplar replacement plan will be a participatory process, inclusive of community members and agency stakeholders. However, there will be guardrails in place such as project budget and having PRTTAB and City Council approval.
4. Once the plan has been established, the plan will be presented to the PRTTAB for recommendation of approval or not to the City Council.
5. Once the PRTTAB has provided a recommendation, City staff will provide the final decision making to the City Council.
6. City Council's final decision will be on the replacement plan for the poplars. The boat yard expansion and overhead undergrounding work are independent of the decision making for the poplar replacement, yet the City, Port, and PUD agree that a single well-coordinated project with the final vision for the poplar replacement known early in the design development process is a key element to the overall project success.

Public Engagement

Public engagement and transparency of the process are critical. The use of town hall events in this era of COVID safety is a forum for providing transparency and soliciting public feedback. Periodic townhall events are anticipated. In addition, presentations to the PRTTAB and the City Council are opportunities for public engagement. The PRTTAB is the forum for the public to engage in the decisions making process.

Draft Recommendations to Accompany Street Tree List Update

Introduction

The City of Port Townsend has been a TreeCity USA for approximately 15 years. A Tree Committee, Commission, Board or Department is required to maintain TreeCity status. The responsibilities of a Tree Committee are listed in Resolution 09-029, which added Tree Committee duties to those of the existing Parks and Recreation Advisory Board.

Port Townsend's current Street Tree List is dated 2009. Street tree guidance in the City's Engineering and Design Standards dates back to 1997. Guiding documents for best practices require regular updates to incorporate new information. In keeping with Resolution 09-029 Section 2.A.2.g., the Parks, Recreation and Tree Advisory Board (PRTAB) has examined the City's current Street Tree List and the relevant sections on street trees in the Port Townsend Engineering and Design Standards with the goal of recommending updates. Street tree and urban forestry guidance was collected from Washington Department of Natural Resources Urban Forestry and other regional jurisdictions in Washington and Oregon as well as government and research websites and published documents. The PRTAB considered the following guidelines stated by Eugene OR Street Tree List Update Evaluation Criteria (2014) in updating the list:

'Goals for the updated list include:

- Remove species that are invasive, overplanted, susceptible to insects or diseases, frequently fail or cause damage or require high levels of maintenance; and*
- Add species that are native, species that require low maintenance, are durable, provide habitat and environmental benefits and that will be climate resilient' (1)*

In addition, Port Townsend's current street tree documents are silent on the important concern of species diversity in street tree planning. In the past, street tree plantings have favored monocultures in the pursuit of visual uniformity but PRTAB has more commonly found support in the literature for guidelines such as a 10:20:30 rule with no single species representing more than 10%, no genus representing more than 20% and no family representing more than 30% of trees planted (cf. 1-3). Recent guidance suggests that visual similarity and species diversity can be accomplished with careful planning (2).

The proposed update has been reformatted to be more concise and inclusive of information. It includes updates of Sections A, C, E, and F in the current list. It omits updates of Lists B and D, as those are both for large and large columnar trees. Given Port Townsend's street scale, available planting strip widths, and expected life span of street trees, large trees are generally inappropriate for street trees. A separate list could be developed for parks and open spaces that can accommodate large trees.

Recommendations

PRTAB recommends:

- that staff adopt the proposed 2017 update of the street tree list;
- that Council append by ordinance the proposed 2017 update to the Engineering and Design Standards to update the 20-year old street tree list in the Standards;
- that the City not exempt itself from its own Municipal Code Tree Conservation Ordinance with regard to species diversity in street tree planting plans, specifically Title 19.06.130.B.5;
- that future street tree planting plans be shared with PRTAB for discussion prior to City approval so that any concerns observed or changes recommended by the advisory board can be contributed in a timely manner.

References

1. *City of Eugene Approved Street Tree Species List: Selection Process, Definitions, and Evaluation Criteria* (2014) Eugene Public Works Department, Eugene OR.

2. Bassuk, N., P. Trowbridge, and C. Grohs. [n.d.] *Visual Similarity and Biological Diversity: Street Tree Selection and Design*. Cornell University Urban Horticulture Institute. (accessed March 2017). http://www.hort.cornell.edu/uhi/outreach/pdfs/visually_compatible_trees.pdf.

3. *Pittsburgh Urban Forest Master Plan: A Road Map for the Effective Management of our Urban Forest, Appendix D. Tree Diversity Goals and Recommendations* (2012) (accessed April 2017).

Other resources consulted for tree list update

City of Dupont Citizen's Tree Care Manual (2012) Dupont WA.

City of Eugene Approved Street Tree Species List (2014) Eugene Public Works Department, Eugene OR.

City of Kent Street Trees: Development Assistance Brochure #14 (2012) Kent WA.

Cornell University, Urban Horticulture Institute. <http://www.hort.cornell.edu/uhi/> (accessed April 2017).

Global Invasive Species Database. <http://www.invasivespecies.net/> (accessed April 2017).

Invasive Plant Atlas of the United States. <https://www.invasiveplantatlas.org/> (accessed April 2017).

Kirkland Street Tree Selection List and Planting and Pruning Procedures (2010) Kirkland WA.

Oregon State University, College of Agricultural Sciences, Department of Horticulture, Landscape Plant List. <http://landscapeplants.oregonstate.edu/> (accessed April 2017).

Portland Plant List Update (2016) Bureau of Planning and Sustainability, Portland OR.

Seattle Department of Transportation – Approved Street Tree List (2011) Seattle WA.

Spokane Urban Forestry Approved Street Tree List (2014) City of Spokane Parks and Recreation Urban Forestry.

United States Forest Service Invasive Species, Pests and Diseases. <https://www.fs.fed.us/science-technology/invasive-species-pests-disease> (accessed April 2017).

University of Washington Herbarium: Plants of Washington
<http://biology.burke.washington.edu/herbarium/imagecollection.php>. (accessed April 2017).

Vancouver Street Tree Selection (2012) Vancouver WA.

Washington State Department of Natural Resources Urban and Community Forestry.
<http://www.dnr.wa.gov/urbanforestry> (accessed April 2017).

Port Townsend Street Tree List Update

	A	B	C	D	E	F	G	H	I	J	K	L
1	Botanical name	Common name	Type	Native	Drought tolerant	Disease resistant	Deer resistant	Side walks ok	Planting strip, min. (ft)	Overhead wires ok	size h x w (ft)	Comments (see key to comments at bottom)
2	Acer buergerianum	Trident Maple	D		Dry	DiR		SW	4		25x20	round, shrublike; firm hand; red fall color
3	Acer campestre	Hedge Maple 'Queen Elizabeth'	D		Dry	DiR		SW	5		35x30	vigorous; upright, reliable city tree
4	Acer glabrum	Douglas (Rocky Mountain) Maple	D	N				SW	5		30x30	sun to part shade; yellow fall color
5	Acer grandidentatum 'Schmidt'	Rocky Mountain Glow maple	D			DiR		SW	5		25x15	exfoliate copper-red bark; adaptable
6	Acer henryi	Henry maple	D		Dry	DiR			6		30x30	trifoliate leaves, sun, interesting bark
7	Acer pennsylvanicum	Moosewood	D						6	W	20x20	part shade, shallow roots, attractive striped bark
8	Acer pseudosieboldianum	Korean maple	D						4	W	22x20	new; sun/shade, upright, good fall color
9	Acer tataricum 'Patdell'	Pattern Perfect Tatarian maple	D						4	W	25x20	oval shape, entire-leafed (no lobes), sturdy, fall color
10	Amelanchier x grandiflora	Rainbow Pillar 'Glenn's Upright'	D						4	W	20x15	white flowers; edible fruit; red fall color
11	Amelanchier x grandiflora	Serviceberry 'Robin Hill'	D					SW	4	W	25x15	upright oval; sun; colorful, low maintenance
12	Amelanchier laevis 'JFS-ARB'	Serviceberry 'Spring Flurry'	D						4		28x20	upright oval; sun; reliable street tree
13	Amelanchier laevis	Serviceberry 'Snowcloud'	D						4	W	25x15	upright oval; sun/part shade; reliable street tree
14	Amelanchier laevis	Serviceberry 'Cumulus'	D						4		25x10	upright; early bloom; reliable street tree
15	Arbutus unedo	Strawberry tree	BE		Dry	DiR			5		30x30	shaggy bark; full sun; tree form difficult to maintain
16	Carpinus caroliniana JFS-KW6	American hornbeam 'Native Flame'	D						5		30x20	upright oval; bright red fall color
17	Cercocarpis montanus v. glaber	Birchleaf mountain mahogany	BE		Dry		De	SW	4	W	12x8	long-lived; salt-tolerant; showy seed plumes
18	Chamaecyparis obtusa	Hinoki cypress 'Gracilis'	C		Dry	DiR	De		4	W	25x15	slow growth; sun to light shade; columnar; low-branching
19	Chionanthus retusus	Chinese fringe tree	D			DiR			5	W	20x25	sun; white fringed flower clusters
20	Chionanthus retusus 'Tokyo Tower'	Tokyo Tower fringe tree	D						5	W	20x10	new; tightly upright; May bloom, low maintenance
21	Cornus nuttallii x florida	Dogwood Eddie's White Wonder	D						5		30x20	white flowers; red fall color
22	Cornus kousa 'Chinensis'	Kousa dogwood	D			DiR		SW	5	W	20x20	pink flowers; deep red fall color
23	Cornus x 'Rutban'	Aurora dogwood	D			DiR			5		20x20	upright to spreading; pink flowers; red fall color
24	Cornus x Rutcan	Constellation dogwood	D			DiR			5		25x20	upright; white flowers; sterile hybrid
25	Cornus kousa x nuttalli 'KN 30-8'	Venus dogwood	D			DiR			5		25x20	upright oval; giant white blossoms; tolerant
26	Cornus mas	Cornelian cherry	D			DiR			5	W	25x20	early small yellow flowers; wildlife value; edible fruit
27	Cotinus coggygria	Purple smoketree	D		Dry				4	W	10x15	sun; tough; adaptable; tree form hard to maintain
28	Cotinus obovatus	American smoketree	D		Dry	DiR	De		5		25x25	sun; adaptable; colorful fall foliage
29	Crataegus douglasii	Douglas hawthorn	D	N			De		4		25x15	shade-tolerant; wildlife value
30	Crataegus x lavalleyi	Lavalle hawthorn	D						4		28x20	irregular vase; persistent orange fruit
31	Crataegus phaenopyrum	Washington hawthorn	D						4		20x20	upright oval; can multitrunk; tolerant; persistent fruit
32	Cryptomeria japonica 'Elegans'	Japanese plume cedar	C			DiR			4		30x10	bronze/brown in winter; several varieties; low branching
33	Fagus sylvatica 'Fastigiata'	Copper beech 'Red Obelisk'	D			DiR			6		30x10	columnar; sun; tolerant; burgundy leaves
34	Fraxinus latifolia	Oregon ash	D	N	Dry				6		60x35	only native ash; needs consistent root moisture; big
35	Ginkgo biloba	Princeton Sentry (males only)	D		Dry	Dir			6		65x20	upright; gold fall color; males only; firm hand; big
36	Juniper scopulorum	Rocky Mountain juniper	C	N	Dry		De	SW	5		40x12	sun; withstands drought; many cultivars; low branching
37	Maackia amurensis	Amur maackia	D		Dry	DiR		SW	6	W	25x20	sun; vase shape; clusters of white flowers
38	Magnolia liliiflora x M. sprengeri	Galaxy magnolia	D			DiR			6	W	30x15	sun; late spring fragrant bloom; low maintenance
39	Magnolia kobus x M. salicifolia	Magnolia 'Wada's Memory'	D						6		30x35	sun; pyramidal; white flowers; fall color
40	Magnolia x loebneri	Merrill magnolia	BE			DiR	De		6		25x25	acid soil; early fragrant white flowers

Port Townsend Street Tree List Update




	A	B	C	D	E	F	G	H	I	J	K	L
1	Botanical name	Common name	Type	Native	Drought tolerant	Disease resistant	Deer resistant	Side walks ok	Planting strip, min. (ft)	Overhead wires ok	size h x w (ft)	Comments (see key to comments at bottom)
41	Magnolia kobus	N. Japanese magnolia	D						6		35x25	large late spring white flowers; sun/part shade; tolerant
42	Malus floribunda 'Adirondack'	Adirondack crabapple	D			DiR			4	W	20x10	columnar; white flowers; orange fruit
43	Malus 'Jarmin'	Marilee crabapple	D					SW	4	W	24x10	upright; nearly fruitless; large mid-spring white flowers
44	Malus 'Royal Raindrops'	Malus x JFS-KW5	D						4		15x15	purplish leaves; late spring pink flowers; maroon fruit
45	Malus 'Sugar Tyme'	Malus Sutyzam	D						4		18x15	upright spreading; early spring white flowers; red fruit
46	Myrica (Morella) californica	Pacific wax myrtle	BE	N	Dry	DiR	De		4		18x15	tolerant; wildlife value; tree form hard to maintain
47	Oxydendron arboreum	Sourwood tree	D			DiR			6		35x20	needs summer water/acid soil; fall color
48	Parrotia persica	Ironwood	D		Dry	DiR			5		35x20	early red apetalous flower; mix of fall color
49	Parrotia persica 'Ruby Vase'	Ruby Vase ironwood	D		Dry	DiR		SW	4	W	28x16	upright; new foliage red; bright fall color
50	Parrotia persica 'JLColumnar'	Persian Spire parrotia	D			DiR			4	W	25x10	new; columnar; bronze leaf edges
51	Parrotia persica 'Vanessa'	Vanessa parrotia	D						4		28x14	upright, red fall foliage & winter flowers; tolerant
52	Pinus contorta	Shore Pine	C	N	Dry	DiR	De		8		40x20	twisted shape; salt-tolerant; low branching
53	Pinus densiflora 'Imbraculifera'	Umbrella pine	C		Dry	DiR	De		8		30x25	slow-growing; sun; well-drained soil; low branching
54	Pistacia chinensis	Chinese pistache	D			DiR			8		25x20	sun; pinnate leaves; early pruning needed; tolerant
55	Prunus serrulata 'Amanogawa'	Amanogawa cherry	D						6	W	20x8	columnar; pink double flowers; fall color
56	Prunus serrulata 'Mt Fuji'	Mt Fuji cherry	D						6		15x20	spreading; white flowers; fall color
57	Prunus 'Snow Goose'	Snow Goose cherry	D						6	W	20x20	white early flowers; full sun; good drainage
58	Prunus x yedoensis 'Akebono'	Akebono cherry	D						6	W	25x25	soft pink flowers; WA DC 'cherry trees'
59	Pyrus betulifolia	Birch-leaf pear 'Dancer'	D		Dry	DiR			5		30x20	oval; tolerant; white flowers; burgundy purple in fall
60	Quercus garryana	Oregon white oak/Garry oak	D	N					8		65x50	only native oak; slow-growing; sun; big at maturity
61	Quercus ilex	Holly Oak	BE				De		6		40x30	salt-tolerant; sun to light shade; adaptable
62	Quercus robur 'Fastigiata'	English oak, columnar	D			DiR			6		40x15	upright; columnar; low-maintenance, big at maturity
63	Quercus robur x Q. alba	Crimson Spire Oak 'Crimschmidt'	D		Dry	DiR			6		45x15	tightly upright; red fall color; tolerant of urban setting
64	Rhamnus purshiana	Cascara	D	N					4	W	30x25	moist soil; sun or shade; wildlife value
65	Rhus typhina	Staghorn sumac	D		Dry	DiR	De		4		20x20	fragrant flowers; wildlife value
66	Stewartia pseudocameillia	Japanese stewartia	D			DiR		SW	5	W	25x20	oval shape; summer 'camellia' flowers; peeling bark
67	Styrax japonicus	Snowbell (JFS-D)	D		Dry				5	W	25x25	bell-shaped flowers; yellow fall color
68	Syringa reticulata 'Ivory Silk'	Ivory Silk Japanese Tree Lilac	D			DiR			4		20x15	rounded; sun; fragrant flowers; low maintenance; tolerant
69	Zelkova serrata	City Sprite Zelkova JFS-KW1	D		Dry	DiR		SW	4	W	25x20	bright green foliage; low maintenance
70	Zelkova serrata	Wireless; Schmidflow	D		Dry	DiR			8	W	25x35	spreading vase shape; elm-like; firm hand when young
71												
72		key to type										key to comments
73		D=deciduous										low branching=conifers may branch to the ground and be difficult to maintain sightlines and tree integrity
74		C=conifer										tree form hard to maintain=occur as large multi-trunk shrub; require pruning to maintain tree form
75		BE=broadleaf evergreen										big=mature form may be too big for most streets and overwhelm root space, may be better in parks
76												new=relatively new cultivar in 2017
77												firm hand=species requires early pruning to train leader
78												tolerant=tolerant of urban pollution and other stressors

City Tree List



























































Type	Scientific	Common Name	Mature Height	Spread	Under Wires?	Min Strip Width	Flower Color	Fall Color	PRTAB on list	Comments
Large Columnar Trees										
	<i>Acer nigrum</i> 'Green Column' Green Column	Green Column Black Sugar Maple	50	10	No	6	N/A			Good close to buildings.
	<i>Fraxinus americana</i> 'Empire'	Empire Ash	50	25	No	6	N/A			Use for areas adjacent to taller buildings when ash tree is desired species.
	<i>Ginkgo biloba</i> 'Princeton Sentry'	Princeton Sentry Ginkgo	40	15	No	6	N/A			Very narrow growth.
	<i>Nyssa sylvatica</i>	Tupelo	60	20	No	6	N/A			Handsome chunky bark.
	<i>Quercus</i> 'Crimschmidt'	Crimson Spire Oak	45	15	No	6	N/A		Yes	Hard to find in the nursery trade. Tightly upright, red fall color, tolerant of urban setting.
	<i>Quercus frainetto</i>	Italian Oak	50	30	No	6	N/A			Drought resistant – beautiful green, glossy leaves in summer.
	<i>Quercus robur</i> 'fastigiata'	Skyrocket Oak	40	15	No	6	N/A			Columnar variety of oak.
	<i>Taxodium distichum</i> 'Mickelson'	Shawnee Brave Bald Cypress	55	20	No	6	N/A			Deciduous conifer - tolerates city conditions.
	<i>Quercus robur x alba</i> 'Skinny Genes'	Skinny Genes	45	10			N/A			
Large Trees										
	<i>Acer saccharum</i> 'Bonfire'	Bonfire Sugar Maple	50	40	No	6	N/A			Fastest growing sugar maple.
	<i>Acer saccharum</i> 'Commemoration'	Commemoration Sugar Maple	50	35	No	6	N/A			Resistant to leaf tatter.
	<i>Acer saccharum</i> 'Green Mountain'	Green Mountain Sugar Map	45	35	No	6	N/A			Reliable fall color.
	<i>Acer saccharum</i> 'Legacy'	Legacy Sugar Maple	50	35	No	5	N/A			Limited use - where sugar maple is desired in limited planting strip area.
	<i>Aesculus flava</i>	Yellow Buckeye	60	40	No	6				Least susceptible to leaf blotch – large fruit – fall color is varied, but quite beautiful.
	<i>Cercidiphyllum japonicum</i>	Katsura Tree	40	40	No	6	N/A			Needs lots of water when young – can produce large surface roots.
	<i>Fagus sylvatica</i>	Green Beech	50	40	No	6	N/A			Silvery-grey bark.
	<i>Fagus sylvatica</i> 'Asplenifolia'	Fernleaf Beech	60	50	No	6	N/A			Beautiful cut leaf.
	<i>Fraxinus latifolia</i>	Oregon Ash	60	35	No	6	N/A		Yes	Only native ash in Pacific Northwest.
	<i>Fraxinus pennsylvanica</i> 'Patmore'	Patmore Ash	45	35	No	6	N/A			Extremely hardy, may be seedless.
	<i>Fraxinus pennsylvanica</i> 'Urbanite'	Urbanite Ash	50	40	No	6	N/A			Tolerant of city conditions.
	<i>Ginkgo biloba</i> 'Magyar'	Magyar Ginkgo	50	25	No	6	N/A		Yes	more upright and narrow than 'Autumn Gold'.
	<i>Gymnocladus dioica</i> 'Espresso'	Espresso Kentucky Coffee	50	35	No	6	N/A			Very coarse branches - extremely large bi-pinnately compound leaves.
	<i>Liquidambar styraciflua</i> 'Rotundiloba'	Rotundiloba Sweetgum	45	25	No	8	N/A			Only sweetgum that is entirely fruitless. Smooth rounded leaf lobes.
	<i>Liriodendron tulipifera</i>	Tulip Tree	60	30	No	8	N/A			Fast-growing tree – can get very large in open conditions.
	<i>Metasequoia glyptostroboides</i>	Dawn Redwood	50	25	No	6	N/A			Fast growing deciduous conifer.
	<i>Platanus x acerifolia</i> 'Bloodgood'	Bloodgood London Planetree	50	40	No	8	N/A			More anthracnose resistant than other varieties – large tree that needs space.
	<i>Platanus x acerifolia</i> 'Yarwood'	Yarwood London Planetree	50	40	No	8	N/A			High resistance to powdery mildew.
	<i>Quercus bicolor</i>	Swamp White Oak	60	45	No	8	N/A			Interesting shaggy peeling bark.
	<i>Quercus coccinea</i>	Scarlet Oak	60	40	No	6	N/A			Best oak for fall color.
	<i>Quercus garryana</i>	Oregon Oak	50	40	No	8	N/A		Yes	Native to Pacific Northwest.
	<i>Quercus imbricaria</i>	Shingle Oak	60	50	No	6	N/A			Nice summer foliage - leaves can persist throughout the winter.
	<i>Quercus muhlenbergii</i>	Chestnut Oak	60	50	No	6	N/A			Coarsely toothed leaf
	<i>Quercus robur</i>	English Oak	60	40	No	8	N/A		Yes	Large, sturdy tree. Acorns do not need dormant cold period to germinate, so can be invasive .
	<i>Quercus rubra</i>	Red Oak	60	45	No	8	N/A			Fast growing oak – large tree that needs space.
	<i>Quercus velutina</i>	Black Oak	60	50	No	8	N/A			More drought tolerant than red oak.
	<i>Taxodium distichum</i>	Bald Cypress	55	35	No	8	N/A			A deciduous conifer, broadly spreading when mature – columnar when young.
	<i>Ulmus</i> 'Homestead'	Homestead Elm	60	35	No	6	N/A			Complex hybrid - close in form to American elm - Resistant to Dutch elm disease.
	<i>Ulmus</i> 'Frontier'	Frontier Elm	50	35	No	6	N/A			Resistant to Dutch elm disease.
	<i>Zelkova serrata</i> 'Greenvase'	Green Vase Zelkova	45	40	No	6	N/A			Attractive exfoliating bark provides Winter appeal. Dark green leaves turn orange-red and purple in Fall.
	<i>Zelkova serrata</i> 'Village Green'	Village Green Zelkova	40	40	No	6	N/A			Green Vase, Mussichino and Halka are improved forms.































































City Tree List

Type	Scientific	Common Name	Mature Height	Spread	Under Wires?	Min Strip Width	Flower Color	Fall Color	PRTAB on list	Comments
Medium / Large Trees										
	<i>Acer campestre</i>	Hedge Maple	50	30	No	5	N/A			Contrary to its name, this is not a small tree – nice overall shape and structure.
	<i>Acer campestre</i> 'Evelyn'	Queen Elizabeth Hedge Maple	40	30	No	5	N/A		Yes	More upright branching than the species.
	<i>Acer freemanii</i> 'Autumn Blaze'	Autumn Blaze Maple	50	40	No	6	N/A			Cross between red and silver maple – fast growing with good fall color.
	<i>Acer miyabei</i> 'Morton'	State Street Maple	40	30	No	6	N/A			Similar to, but faster growing and larger than Hedge maple.
	<i>Acer pseudoplatanus</i> 'Atropurpureum'	Spaethii Maple	40	30	No	5	N/A			Leaves green on top purple underneath.
	Acer Rubrum	Autumn Spire	50	30	No		N/A			Full sun, partial shade narrow upright
	<i>Acer rubrum</i> 'Scarsen'	Scarlet Sentinel Maple	40	25	No	6	N/A			Leaves are darker green and larger than those of other Red Maples, and they hold up well in summer heat.
	<i>Aesculus x carnea</i> 'Briottii'	Red Horsechestnut	30	35	No	6				Resists heat and drought better than other horsechestnuts.
	<i>Betula jacquemontii</i>	Jacquemontii Birch	40	30	No	5	N/A			White bark makes for good winter interest – best for aphid resistance, but does have issues with Bronze Birch Borer.
	<i>Corylus colurna</i>	Turkish Filbert	40	25	No	5	N/A			Tight, formal, dense crown - not for areas with high pedestrian traffic as tree can have significant debris from nut production.
	<i>Fraxinus americana</i> 'Autumn Applause'	Autumn Applause Ash	45	25	No	6	N/A			Purple fall foliage - Compact tree - reportedly seedless.
	<i>Fraxinus pennsylvanica</i> 'Cimmzam'	Cimmaron Ash	50	30	No	6	N/A			More upright than 'Patmore' with more bronze/cinnamon fall color.
	<i>Ginkgo biloba</i> 'Autumn Gold'	Autumn Gold Ginkgo	45	35	No	6	N/A			Narrow when young.
Medium / Large Trees, Continued										
	<i>Liquidambar styraciflua</i> 'Moraine'	Moraine Sweetgum	40	25	No	8	N/A			Light green foliage. More compact than other varieties of sweet gum. Brittle branches.
	<i>Nothofagus antarctica</i>	Antarctic Beech	50	35	No	5	N/A			Rugged twisted branching and petite foliage – difficult to find in the nursery trade.
	<i>Tilia americana</i> 'Redmond'	Redmond Linden	50	30	No	8	N/A			Pyramidal, needs extra water when young.
	<i>Tilia cordata</i> 'Greenspire'	Greenspire Linden	40	30	No	6	N/A			Symmetrical, pyramidal form – sometimes has structural issues due to tight branch attachments.
	<i>Ulmus parvifolia</i> 'Emer II'	Allee Elm	45	35	No	5	N/A			Exfoliating bark and nice fall color – Resistant to Dutch Elm Disease.
Medium Columnar Trees										
	<i>Acer rubrum</i> 'Bowhall'	Bowhall Maple	40	20	No	6	N/A			An upright, pyramidal form that is significantly wider than 'Armstrong' or 'Columnare'.
	<i>Carpinus betulus</i> 'Fastigiata'	Pyramidal European Hornbeam	40	15	No	5	N/A			Broadens when older.
	Cornus nuttallii x florida	Dogwood Eddie's Whiter Wonder	30	20	No	5			Yes	White flowers, red fall color
	<i>Fagus sylvatica</i> 'Dawyck Purple'	Dawyck Purple Beech	40	12	No	6	N/A			Purple foliage.
	<i>Fagus sylvatica</i> 'Fastigiata'	Copper beed 'Red Obelisk'	30	10	No	6	N/A	N/A	Yes	Column, sun, tolerant, burgundy leaves.
	<i>Liriodendron tulipifera</i> 'Fastigiatum'	Columnar Tulip Tree	40	10	No	6				Good next to buildings – can have problems with tight branch angles.
	<i>Malus</i> 'Tschonoskii'	Tschonoskii Crabapple	30	15	Yes	5				Sparse green fruit, pyramidal.
	<i>Oxydendron arboreum</i>	Sourwood	35	12	No	5			Yes	Consistent and brilliant fall color.
	<i>Prunus sargentii</i> 'Columnaris'	Columnar Sargent Cherry	35	15	No	8				Upright form. The cherry with the best fall color. Can suffer from brown rot in spring.
	<i>Prunus x hillieri</i> 'Spire'	Spire Cherry	30	10	Yes	6				One of the few 'wire friendly' columnar cherries. Can suffer from brown rot in spring.
	Pyrus calleryana 'Cambridge'	Cambridge Pear	40	15	No	5				Narrow tree with better branch angles and form than the species – brittle limbs may still be a problem with breakage due to ice or wet snow.





















City Tree List

Type	Scientific	Common Name	Mature Height	Spread	Under Wires?	Min Strip Width	Flower Color	Fall Color	PRTAB on list	Comments
Medium Trees										
	<i>Acer grandidentatum</i> 'Schmidt'	Rocky Mt. Glow Maple	25	20	Yes	5	N/A		Yes	Intense red fall color - Limited availability in nursery trade.
	<i>Acer henryi</i>	Henry's maple	30	30	No	6			Yes	
	<i>Acer rubrum</i> 'Karpick'	Karpick Maple	40	20	No	6	N/A			Finer texture than other narrow forms of columnar maple.
	<i>Acer truncatum</i> x <i>A. platanoides</i> 'Warrensred'	Pacific Sunset Maple	30	25	Yes	5	N/A			Limited use under higher wires.
	<i>Betula albosinensis</i> var <i>septentrionalis</i>	Chinese Red Birch	40	35	No	5	N/A			White and pink peeling bark.
	<i>Carpinus caroliniana</i>	American Hornbeam 'Native Flame'	25	20	Yes	5	N/A		Yes	Outstanding fall color (variable – yellow, orange, red) – nice little tree.
	<i>Cladrastis kentukea</i>	Yellowwood	40	40	No	5				White flowers in spring, resembling wisteria flower – blooms profusely only every 2 to 4 years – yellow/gold fall color.
	<i>Cornus controversa</i> 'June Snow'	Giant Dogwood	40	30	No	5				Frothy, 6-inch clusters of white flowers in June.
	<i>Cornus</i> 'Eddie's White Wonder'	Eddie's White Wonder Dogwood	30	20	Yes	5				A hybrid of <i>C. florida</i> and <i>C. nuttallii</i> .
	<i>Crataegus crus-galli</i> 'Inermis'	Thornless Cockspur Hawthorne	25	30	Yes	5				Red persistent fruit.
	<i>Crataegus phaenopyrum</i>	Washington Hawthorne	25	20	Yes	5			Yes	Thorny – do not plant in high use areas.
	<i>Crataegus x lavalii</i>	Lavalle Hawthorne	25	20	Yes	5			Yes	Thorns on younger trees.
	<i>Davidia involucrata</i>	Dove Tree	40	30	No	5		N/A		Large, unique flowers in May.
	<i>Eucommia ulmoides</i>	Hardy Rubber Tree	50	40	No	6	N/A	N/A		Dark green, very shiny leaves – insignificant fall color.
	<i>gfagus</i>	Purple Oak Leaf Beech	50	30	No	6	N/A	N/A		Attractive purple leaves with wavy margins.
	<i>Halesia monticola</i>	Mountain Silverbell	45	25	No	5				Attractive small white flower.
	<i>Halesia tetraptera</i>	Carolina Silverbell	35	30	No	5				Attractive bark for seasonal interest.
	<i>Koelreuteria paniculata</i>	Goldenrain Tree	30	30	Yes	5				Midsummer blooming – slow growing.
	<i>Magnolia denudata</i>	Yulan Magnolia	40	40	No	5		N/A		6" inch fragrant white flowers in spring.
	<i>Magnolia grandiflora</i> 'Victoria'	Victoria Evergreen Magnolia	25	20	Yes	5		N/A		Evergreen magnolia – can be damaged in years with wet, heavy snow.
	<i>Magnolia kobus</i> 'Wada's Memory'	Wada's Memory Magnolia'	30	20	Yes	5			Yes	Does not flower well when young.
	<i>Ostrya virginiana</i>	Ironwood	40	25	No	5	N/A		Yes	Hop like fruit – slow growing.
	<i>Phellodendron amurense</i> 'Macho'	Macho Cork Tree	40	40	No	5	N/A			This variety is fruitless – fall color can be varied. High drought tolerance.
	<i>Prunus cerasifera</i> 'Krauter Vesuvius'	Vesuvius Flowering Plum	30	20	Yes	5		N/A		Burgundy colored leaves – tree best used as an accent rather than in mass plantings.
	<i>Pterostyrax hispida</i>	Fragrant Epaulette Tree	40	30	No	5				Pendulous creamy white flowers – fragrant – difficult to find in the nursery trade.
	<i>Pyrus betulifolia</i>	Birch-leaf pear 'Dancer'	30	20	No	5		N/A	Yes	Oval, tolerant, white flowers, burgundy purple in fall.
	<i>Pyrus calleryana</i> 'Aristocrat'	Aristocrat Pear	40	30	No	5				One of the tallest flowering pears – good branch angles, but wood is brittle. Reported as invasive in other areas.
	<i>Pyrus calleryana</i> 'Glen's Form'	Chanticleer or Cleveland Select Pear	40	20	No	5				Selected variety of callery pear – good spring flowering. Reported as invasive in other areas.
	<i>Pyrus calleryana</i> 'Redspire'	Redspire Pear	35	25	No	5				Selected variety of callery pear – good spring flowering. Reported as invasive in other areas.
	<i>Quercus ilex</i>	Holly Oak	40	30	No	5	N/A	N/A	Yes	Evergreen oak - Underside of leaf is silvery-white. Often has a prominent umbrella form.
	<i>Rhamnus purshiana</i>	Cascara	30	20	Yes	5	N/A		Yes	Native tree – fall color depends on exposure – purplish fruit feeds many native birds.
	<i>Robinia x ambigua</i>	Pink Idaho Locust	35	25	No	5				Fragrant flowers. Sterile variety. Drought tolerant. Some varieties will sucker profusely.
	<i>Sophora japonica</i> 'Regent'	Japanese Pagodatree	45	40	No	6				Has a rapid growth rate and tolerates city conditions, heat, and drought.
	<i>Sorbus aucuparia</i> 'Mitchred'	Cardinal Royal Mt. Ash	35	20	No	5				A vigorous tree with upright branches and a very symmetrical habit, invasive.
	<i>Sorbus x hybridia</i>	Oakleaf Royal Mt. Ash	30	20	Yes	5				It has leaves which are similar to English oak, and interesting bark for seasonal features.
	<i>Styrax japonica</i>	Japanese Snowbell	25	25	Yes	5			Yes	Reliable and easy to grow, it has plentiful, green 1/2" inch seeds. Flowers similar to lily in the valley.
	<i>Tilia cordata</i> 'De Groot'	De Groot Littleleaf Linden	30	20	Yes	5	N/A			One of the smaller stature littleleaf lindens.
	<i>Tilia cordata</i> 'Chancole'	Chancellor Linden	35	20	No	6	N/A			Pyramidal when young. Fragrant flowers that attract bees.
	<i>Ulmus parvifolia</i> 'Emer I'	Athena Classic Elm	30	35	No	5	N/A			High resistance to Dutch Elm Disease. Drought resistant. Cinnamon colored exfoliating bark for seasonal interest.

City Tree List

Type	Scientific	Common Name	Mature Height	Spread	Under Wires?	Min Strip Width	Flower Color	Fall Color	PRTAB on list	Comments
Small Columnar Trees										
	<i>Maackia amurensis</i>	Amur Maackia	30	20	Yes	5		N/A	Yes	Interesting exfoliating bark – flowering in June or July - varies in intensity from year to year.
	<i>Malus floribunda</i> 'Adirondack'	Adirondack Crabapple	20	10	Yes	5			Yes	Very resistant to apple scab – one of the narrowest crabapples – persistent reddish ¼” fruit.
	<i>Malus</i> 'Red Barron'	Red Barron Crabapple	20	10	Yes	5				Deep pink blossom and persistent red berries for seasonal interest.
	<i>Parrotia persica</i> 'JLColumnar'	Persian Spire parrotia	25	10	Yes	4	N/A		Yes	New, columnar, bronze leaf edges.
	<i>Prunus serrulata</i> 'Amanogawa'	Amanogawa Flowering Cherry	20	8	Yes	6			Yes	Pinkish flower bud, changing to white flower.
	<i>Sorbus americana</i> 'Dwarfscrown'	Red Cascade Mountain Ash	20	10	Yes	5				Nice winter form - Red berries in clusters.
Small Trees										
	<i>Acer buergerianum</i>	Trident Maple	30	30	Yes	5	N/A		Yes	Somewhat shrublike – must train to a single stem – interesting bark.
	<i>Acer circinatum</i>	Vine Maple	25	25	Yes	5	N/A			Avoid using on harsh sites – native tree.
	<i>Acer ginnala</i> 'Flame'	Flame Amur Maple	25	20	Yes	5				Clusters of small cream colored flowers in spring – very fragrant. Nice fall color. Informal branch structure.
	<i>Acer glabrum</i>	Douglas (Rocky Mountain) Maple	30	30	No	5	N/A		Yes	Sun to part shade, yellow fall color.
	<i>Acer griseum</i>	Paperbark Maple	30	20	Yes	5	N/A			Peeling cinnamon colored bark for seasonal interest.
	<i>Acer palmatum</i>	Japanese Maple	20	25	Yes	5	N/A			Many varieties available – select larger varieties for street planting.
	<i>Acer pseudosieboldianum</i>	Korean maple	22	20	Yes	4	N/A		Yes	Sun, shade, upright, good fall color.
	<i>Acer tataricum</i> 'Patdell'	Pattern Perfect Tatarian maple	25	20	Yes	4			Yes	Oval shape, entire-leafed (no lobes), sturdy, fall color
	<i>Acer triflorum</i>	Three-Flower Maple	25	20	Yes	5	N/A			Multi seasonal interest with tan, exfoliating bark and red, orange/red fall color.
	<i>Amelanchier grandiflora</i> 'Princess Diana'	Princess Diana Serviceberry	20	15	Yes	4				Good for narrower planting strips.
	<i>Amelanchier grandiflora</i>	Rainbow Pillar 'Glenn's Upright'	20	15	Yes	4			Yes	White flowers; edible fruit; red fall color.
	<i>Amelanchier grandiflora</i>	Serviceberry 'Robin Hill'	25	15	Yes	4			Yes	Upright oval;sun; colorful, low maintenance
	<i>Amelanchier laevis</i> 'JFS-ARB'	Serviceberry 'Spring Flurry'	28	20	No	4			Yes	Upright oval, sun, reliable street tree
	<i>Amelanchier laevis</i>	Serviceberry 'Snowcloud'	25	15	Yes	4			Yes	Upright oval, sun/part shade, reliable street tree.
	<i>Amelanchier laevis</i>	Serviceberry 'Cumulus'	25	10	No	4			Yes	Upright, early bloom, reliable street tree.
	<i>Amelanchier x grandiflora</i> 'Autumn Brilliance'	Autumn Brilliance Serviceberry	20	15	Yes	4				Good for narrower planting strips – reliable bloom and fall color.
	<i>Arbutus</i> 'Marina'	Strawberry Tree	25	20	Yes	5		N/A	Yes	Substitute for Pacific madrone – Shaggy bark, evergreen, full sun tree form difficult to maintain.
	<i>Asimina triloba</i>	Paw Paw	30	20	Yes	5		N/A		Burgundy flower in spring before leaves. Shaggy bark, full sun, tree form difficult to maintain.
	<i>Carpinus japonica</i>	Japanese Hornbeam	20	25	Yes	5	N/A			Wide spreading, slow growing – fall color is not outstanding.
	<i>Cercis canadensis</i>	Eastern Redbud	25	30	Yes	5				Deep pink flowers on bare twigs in spring.
	<i>Cercis siliquastrum</i>	Judas Tree	25	30	Yes	5				Deep pink flowers on bare twigs in spring – drought resistant.
	<i>Cornus alternifolia</i>	Pagoda Dogwood	25	25	Yes	5				Small white flowers in flat clusters – fall color is varied.
	<i>Cornus kousa</i> 'Chinensis'	Kousa Dogwood	20	20	Yes	4			Yes	Does not do well on harsh, dry sites.
	<i>Cornus x 'Rutban'</i>	Aurora dogwood	20	20	No	5			Yes	Upright to spreading, pink flowers, red fall color.
	<i>Cornus mas</i>	Cornelian cherry	25	20	Yes	5		N/A	Yes	Early small yellow flowers, wildlife value, edible fruit.
	<i>Cotinus obovatus</i>	American Smoke Tree	25	25	Yes	4			Yes	Showy pinkish panicles of flowers in the spring – reddish purple leaves on some varieties.
	<i>Lagerstroemia 'tuscarora'</i>	Tuscarora Hybrid Crape Myrtle	20	20	Yes	4				Light cinnamon brown bark lends year round interest – drought resistant – likes a warm site.
	<i>Magnolia</i> 'Elizabeth'	Elizabeth Magnolia	30	20	Yes	5		N/A		Yellowish to cream colored flower in spring.
	<i>Magnolia</i> 'Galaxy'	Galaxy Magnolia	25	25	Yes	5			Yes	Showy pink flowers.
	<i>Magnolia x loebneri</i>	Loebner Magnolia	20	20	Yes	5			Yes	Flower is 'star' shaped rather than tulip like – white to pinkish white in March or April.
	<i>Malus</i> 'Golden Raindrops'	Golden Raindrops Crabapple	20	20	Yes	5				Disease resistant – persistent yellow fruit in fall and winter.
	<i>Malus</i> 'Donald Wyman'	Donald Wyman Crabapple	25	25	Yes	5				Large white blossom – nice green foliage in summer.

City Tree List

Type	Scientific	Common Name	Mature Height	Spread	Under Wires?	Min Strip Width	Flower Color	Fall Color	PRTAB on list	Comments
Small Trees										
	<i>Malus 'Jarmin'</i>	Marilee crabapple	24	10	Yes	4		N/A	Yes	Upright, nearly fruitless, large mid-spring white flowers.
	<i>Malus 'Lancelot' ('Lanzam')</i>	Lancelot Crabapple	15	15	Yes	4				Red flower buds, blooming white – red persistent fruit.
	<i>Malus 'Royal Raindrops'</i>	Malus x JFS-KWS	15	15	No	4		N/A	Yes	Purplish leaves, late spring pink flowers, maroon fruit.
	<i>Malus 'Sugar Tyme'</i>	Malus Sutyzam	18	15	No	4		N/A	Yes	Upright spreading, early spring white flowers, red fruit.
	<i>Parrotia persica</i>	Persian Parrotia	30	20	No	5			Yes	Blooms before it leafs out – drought tolerant - Varied fall color - reds, oranges and yellows.
	<i>Parrotia persica 'Ruby Vase'</i>	Ruby Vase ironwood	28	16	Yes	4			Yes	Upright, new foliage red, bright fall color.
	<i>Parrotia persica 'Vanessa'</i>	Vanessa parrotia	28	14	No	4			Yes	Upright, red fall foliage & winter flowers, tolerant.
	<i>Prunus 'Frankthrees'</i>	Mt. St. Helens Plum	20	20	Yes	5		N/A		Burgundy colored leaves – tree best used as an accent rather than in mass plantings.
	<i>Prunus 'Newport'</i>	Newport Plum	20	20	Yes	5		N/A		Burgundy colored leaves – tree best used as an accent rather than in mass plantings.
	<i>Prunus 'Snowgoose'</i>	Snow Goose Cherry	20	20	Yes	5			Yes	This selection sports abundant white flowers and healthy green, disease-resistant foliage.
	<i>Prunus cerasifera 'Thundercloud'</i>	Thundercloud Plum	30	20	No	5		N/A		Burgundy colored leaves – tree best used as an accent rather than in mass plantings – can produce significant fruit
	<i>Prunus x yedoensis 'Akebono'</i>	Akebono Flowering Cherry	25	25	Yes	6			Yes	Has masses of large, semi-double, pink flowers, most widely planted cherry in Pacific Northwest.
	<i>Sorbus alnifolia</i>	Korean Mountain Ash	35	30	No	5				Simple leaves and beautiful pink/red fruit.
	<i>Stewartia monodelpha</i>	Orange Bark Stewartia	30	20	Yes	5				Extraordinary cinnamon colored bark – avoid hot, dry sites.
	<i>Stewartia pseudocamellia</i>	Japanese Stewartia	25	15	Yes	5			Yes	Patchwork bark, white flower in spring.
	<i>Styrax obassia</i>	Fragrant Styrax	25	20	Yes	5				Smooth gray bark and fragrant white flowers.
	<i>Syringa reticulata 'Ivory Silk'</i>	Ivory Silk Japanese Tree Lilac	20	15	No	4		N/A	Yes	Rounded, sun, fragrant flowers, low maintenance, tolerant.
	<i>Zelkova serrata</i>	City Sprite Zelkova JFS-KWI	25	20	Yes	4	N/A		Yes	Bright green foliage, low maintenance.
	<i>Zelkova serrata</i>	Wireless; Schmidflow	25	35	Yes	8	N/A		Yes	Spreading vase shape, elm-like, firm hand when young.



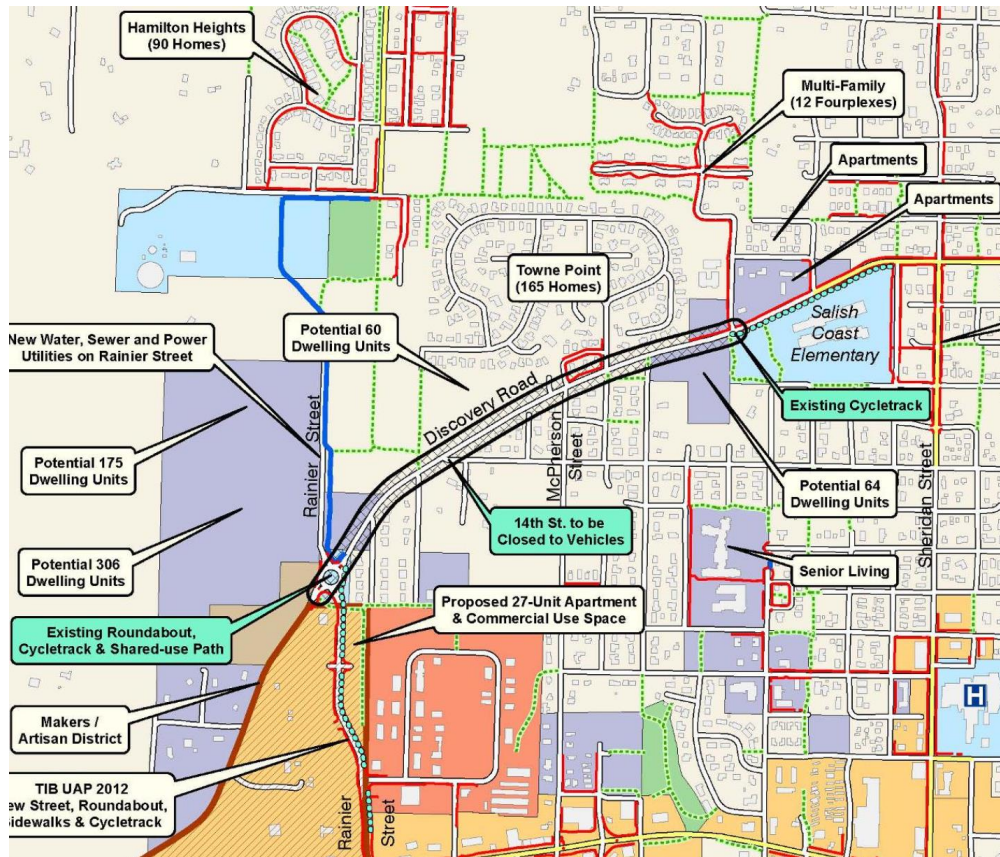
Discovery Road Project Landscaping

Introduction

The Discovery Road project will be providing sidewalk, a bike path, and rebuild the existing street between the Rainier Roundabout and Salish School. As part of the design of this project, there will be strategic landscaping placed along the road. City staff and our project design team landscape architect will be working through landscape design details between now and the next PRTTAB meeting. The objective of this agenda item is to introduce the design elements we are seeking to address, obtain preliminary thoughts and suggestions as well as prepare for the review of a final design at the February PRTTAB meeting.

Project Limits and Landscaping Areas

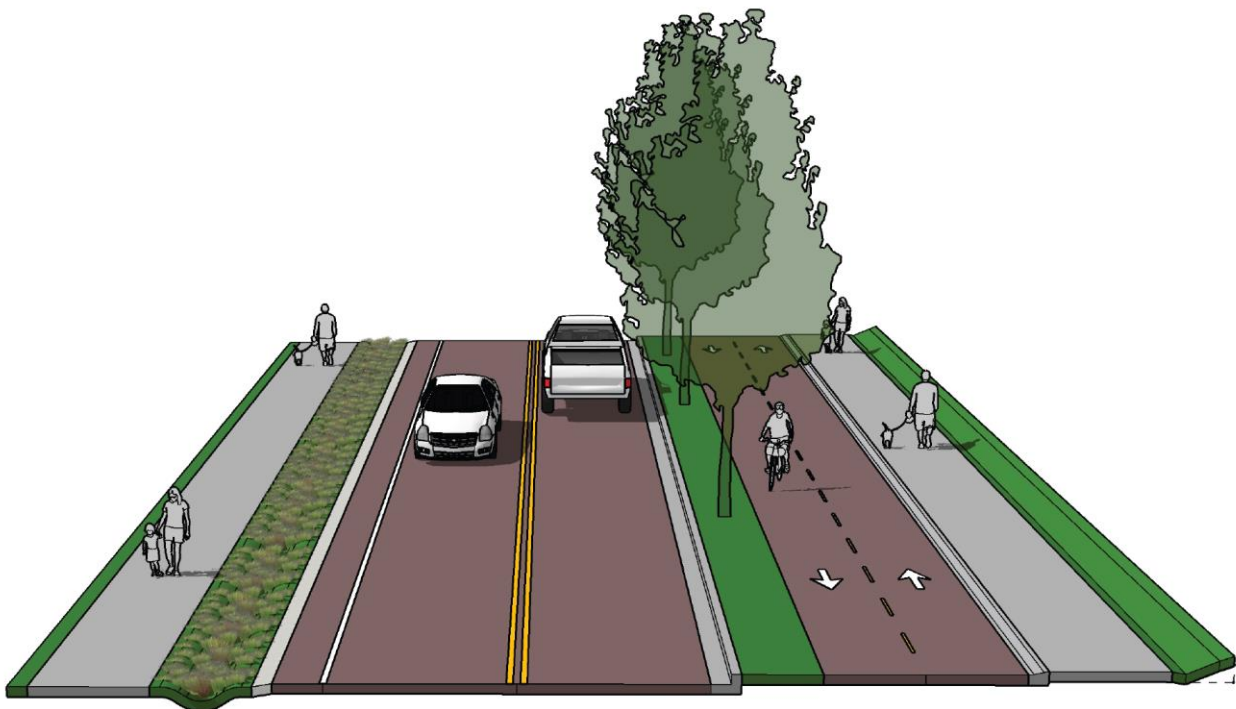
The following illustrates show the extend of the project and the typical cross section which shows a landscaping strip on the north and south sides of the street.



Project Limits are circled in the above illustration.



Typical Cross Section.
Note the landscape strip on the left is 5-7 feet wide and will contain a drainage swale.
The landscape strip on the right is 4 feet wide.



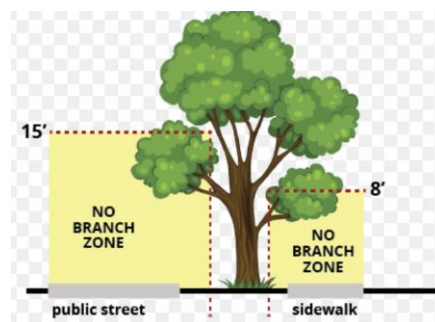
Oblique Illustration of the Roadway showing stormwater swale and planter strips.

Landscaping Design Objectives

The following objectives are key consideration for the landscaping design. In no particular order, these objectives must be balanced.

- Environmental sustainability and resiliency to climate change
- Low water use
- Low maintenance (mowing, trimming, weeding, and irrigation). Staff cannot keep up with what they have.
- Irrigation to be used only for 3 years for plant establishment
- Landscaping budget is limited by grant funds
- Traffic calming is a key function of landscaping for the street operations
- Plants must be compatible with stormwater treatment goals
- A mix of trees and bushes may be desirable.

The following illustrations demonstrate some of the design goals.



Shows general vertical clearance goals for mature vegetation



Vegetation creates a confined appearance to the street versus an open highway inducing lower traffic speeds

Landscaping that works exists through out the City of Port Townsend. Could a combination of bushes and trees accomplish the objective. We do not anticipate a plan like Rainier or Downtown, but rather like other streets that have more diverse landscaping and less intensity.



Parks Maintenance Staff 2021 Accomplishments

This year we would like to take a minute to celebrate accomplishments in 2021. The parks staff spent a large part of the year with only two staff members until Shawn Wiles joined the team late this summer. Thankfully, we had one seasonal position. The projects completed are in addition to the normal day to day work the staff performs including janitorial, mowing and trimming, park checks, playground equipment inspection, responding to the public, fixing vandalism and so much more. The following list is in no particular order.

- Obtained Tree Assessment Reports on Large trees at Chetzemoka, Gateway and Bell Tower
- Completed ACAC Grant ADA Trail and Kiosk at Chetzemoka
- Obtained a Garden Club grant - \$500 for plants for volunteers at Chetzemoka gardens
- Installed 3 memorial benches at Pope Marine Park and Haller Stairs
- Painted Chetzemoka benches and tables painted, gazebo floor sanded and repainted
- Rebuilt Rose arbor rebuilt, roses and other climbers rejuvenated and returning
- Rebuilt the lower bridge at Chetzemoka tropical garden
- Installed the Storywalk Trail at Kah Tai and added gravel to main trail
- Removed the failing basketball hoops at Mountain View
- Installed gravel trail in front of Library
- Replaced and treated/repainted Skate park fence (Risk management grant = \$23,000)
- Removed ivy off the back fence at Chetz, on Roosevelt St.
- Planted trees at Rotary (shore pines), Kah Tai prairie (Garry oaks), Haller (palm), and Pope Marine park (Vine Maple), Golf course along San Juan (Sequoias)
- Installed ADA accessible trail at 9th and McPherson
- Repaired/replaced plumbing and irrigation manifold at Haller
- Engaged more volunteer gardeners at Chetzemoka, Gateway, City Hall and on trail work
- Removed failing raingardens at Bishop Play park and installed underdrain system playground to road
- Removed buildup of large graffiti at Skatepark from when we were understaffed in 2020
- Repaired Haller Fountain statue as designed
- Helped PT Main Street with the Adams street pocket park, installed hose bib, added trail between
- Installed Creative District trail signs (60+)
- Installed Adopt a Park signs
- Adjusted grade of Adams street trail from Jefferson to Washington, used PUD poles
- Addressed failing landmark tree at Gateway Park
- Addressed shoreline erosion at Adams street end
- Repaired Erosion on Howard Street Trail
- Added ADA railing extensions to the Haller Stairs.
- Prepared information for Banked Capacity process.

Parks appreciates the help from other City Departments. Considerable help was provided by the Streets crew for addressing the Gateway Trees, Adams Street erosion, and the Adams Street Buggy Trail. Additionally, the Fleets crew performed most of the welding and steel replacement at the Skate Park and at the Haller Stairs. The Water Department helped with leaks at the Golf Course and Haller Fountain.