

CITY OF SALEM
DEPARTMENT OF PUBLIC WORKS
ADMINISTRATIVE RULE
CHAPTER 109
DIVISION 500
SECTION 002
TREES ON CITY OWNED PROPERTY

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2.1 – Introduction

- (a) The requirements in this Division shall apply where required by Chapter 86 of the Salem Revised Code (SRC) or where referenced by a requirement in this Administrative Rule (Rule). This Rule shall establish regulations and practices applicable to trees on City property as required in SRC Chapter 86. These regulations and practices will protect and enhance the health and longevity of City trees as well as enhance public safety through minimum requirements, approved methods, criteria, and details.
- (b) **Objectives.** The intent of this Rule is to, among other things:
- (1) Reduce potential negative impacts to City trees by construction activities;
 - (2) Protect valuable healthy City trees to the maximum extent feasible;
 - (3) Provide guidance on common and accepted arboricultural practices, such as planting, and pruning;
 - (4) Provide approved and prohibited street tree lists; and
 - (5) Provide permit application requirements.
- (c) **Authority to Adopt.** This Rule is authorized by SRC Chapters 20J and 86. The provisions of this Rule are intended to be consistent with and supplement SRC Chapter 86. In those cases where a conflict may exist, the SRC provisions will take precedence.

2.2 – Requirements for a Permit

- (a) **General.** Permits are required to plant, prune, remove, treat, install lights or other attachments, or to collect biological materials. Permits may be required to engage in ground disturbing activities within the Critical Tree Zone (CTZ) of City Trees pursuant to SRC Chapter 86 and Public Works Design Standards.
- (b) **Required Information.** Applications for permits to conduct such work must include:
- (1) The name of the applicant and the contractor performing the work, if different, and a description of the work to be done;
 - (2) The location, number, diameter at breast height (dbh), and species of City tree or trees within or adjacent to the project area to be cut, trimmed, removed, treated, or protected, and the address of the abutting property;
 - (3) Locations of any new or replacement City trees proposed;
 - (4) A Tree Protection Plan, if applicable; and
 - (5) Any reasonable alternatives considered, if required under SRC Chapter 86.090(a)(8) and (9), and 86.070(b).
- (c) At the discretion of the City’s Urban Forester, site-specific circumstances may require a certified arborist report.

2.3 Protection of City Trees

(a) General

Injury of City trees is generally prohibited by SRC Chapter 86, unless authorized by a valid permit from the City. The provisions of this Rule are intended as a guide to ensure that projects are designed to avoid injury to City trees where possible. Where impacts to City trees are unavoidable, this Rule shall guide the determination whether to issue a permit for the project. The permit process is designed to require the implementation of best management practices in order to eliminate or minimize adverse effects on healthy City trees. The methods for developing tree protection best management practices will be determined through the permit process and in consultation with the City's Urban Forester. Section 2.6(b) of this Rule exempts some activities from the permitting requirement because of the low likelihood to produce adverse impacts.

(b) Requirement to Identify Existing and Proposed City Trees on Project Plans

In order to meet the spirit and intent of SRC Chapter 86 and this Rule, protection and planting of City trees must be considered as early as possible during project design. For projects with ground disturbing activities or other activities with the potential to impact City trees, the City trees in the vicinity of the project shall be shown on any construction plans submitted for a City permit.

(c) Permit Process. For activities requiring permits under SRC Chapter 86, the City's Urban Forester will review permit applications and any proposed tree protection methods. Permits may only be issued where the permit application demonstrates that the project will satisfy the standards and criteria of SRC Chapter 86, this Rule, and Public Works Design Standards. Permits for projects with the potential to impact City trees shall require the development and implementation of tree protection measures. Project elements in the vicinity of City trees with the potential to impact the trees may include:

- (1) Mechanical injury to roots, trunk, or branches.
- (2) Compaction of soil within the CTZ.
- (3) Changes in existing grade within the CTZ which can cut or suffocate roots.
- (4) Alteration of the drainage in the vicinity of the tree.
- (5) Microclimate change, exposing sheltered trees to sun or wind.
- (6) Creating sterile soil conditions within the CTZ, including stripping off topsoil.
- (7) Construction or other ground disturbing activities in the Critical Tree Zone.

(d) Tree Protection. In order to prevent unnecessary injury to City trees, tree protection measures may be required as part of the permitting process. Protection measures are especially important in the Critical Tree Zone (CTZ) of City trees. Where tree protection measures are

required, the area protected is known as the Tree Protection Area (TPA). The methods used to protect City trees and the extent of the TPA shall be determined by the City's Urban Forester.

(1) Fencing. Tree protection fencing may be required for any project with the potential to impact City trees. The determination shall be made as part of the permit process, with input from the City's Urban Forester. If tree protection fencing is required, the fence shall be installed and posted with a weather resistant sign identifying the fence as tree protection fencing and stating that the fence should not be moved as per Public Works Design Standards and Standard Construction Specifications. The location of the tree protection fencing is site and project specific.

(2) Working in the Critical Tree Zone (CTZ)

(A) Tree Protection Plan. Ground disturbing activities within the CTZ may require the preparation of a Tree Protection Plan. A Tree Protection Plan shall identify the tree protection measures selected for a particular project. The Plan shall contain the site work, location of City trees, and the measures that will be implemented to avoid and minimize impacts.

(1) Timing. The plan shall be submitted in conjunction with any ground disturbing activity plans, such as grading or erosion control plans. The plan must be approved by the City prior to obtaining a permit.

(2) Contents. The plan must include, in addition to the requirements of Section 2.3 of this Rule:

- (a)** The dbh and CTZ for City trees adjacent to and within the project area;
- (b)** Proposed locations and extents of any proposed unavoidable work in the CTZ;
- (c)** Location and description of all proposed tree protection measures and TPA if different from the CTZ;
- (d)** Location of existing and proposed utilities, including stormwater facilities; and
- (e)** Proposed work, including grade changes, trenching, temporary cut or fill, property improvements.

(B) Protective Measures. Construction related activities within the CTZ of any City tree shall be considered to have the potential to impact City trees, and will require the impacts to City trees to be assessed as part of the permitting process. This assessment may result in the development of a Tree Protection Area, implementing selected tree protection measures as determined by the City's Urban Forester and consistent with applicable Public Works Design Standards and Standard Construction Specifications.

(1) Tree Root Protection Measures Protecting City tree roots from damage during ground disturbing activities over tree roots within the CTZ may require protective measures. Protective measures will be found in the Public Works Design Standards and Standard Construction Specifications.

(2) Surface Protection Measures. If traffic and construction activities cannot be kept outside of the CTZ for the duration of construction activities, actions may be required to disperse the vehicular load and/or surface compaction to protect the roots and minimize root damage. Measures required will be based on proximity of the activity to the tree, the types of vehicles/machinery anticipated to be used, and the duration of the activity.

(3) Tree Trunk Protection Measures. Tree trunk protection measures may be required if construction activities cannot be kept out of the TPA for the duration of construction. Measures required will be based on proximity of the activity to the tree, the types of vehicles/machinery anticipated to be used, and the type of work being conducted.

(4) Watering Measures. If construction activities occur within the CTZ during the months of May through September, supplemental watering, including hand watering or another regular source of water may be required.

(5) Irrigation Prohibited Around Oregon White Oaks. In the right-of-way, permanent irrigation is prohibited in the CTZ of Oregon white oaks unless approved by the City's Urban Forester.

(6) Canopy/Clearance Pruning Protection Measures. Should pruning of the tree canopy or tree roots be permitted, the tree work shall be performed by a qualified tree trimmer. The work shall be done as per Public Works Design Standards and Standard Construction Specifications and shall be the minimum necessary for construction or to meet Salem's minimum clearance standards if adjacent to a street or sidewalk.

(7) Utility Location Measures. For projects involving new utility locations, the utility poles and meters shall follow Public Works Design Standards and Standard Construction Specifications.

(8) Boring, Tunneling, Jacking and Trenching Protection Measures. To the extent reasonably feasible boring, tunneling, jacking, and trenching in the CTZ

shall be conducted to minimize damage to tree roots and according to Public Works Design Standards and Standard Construction Specifications.

(9) Root Severance Protection Measures. If root pruning is required, severed roots shall be pruned with a saw, sawzall, narrow trencher with sharp blades or other approved root pruning equipment.

(10) Landscaping Protection Measures. Projects involving landscaping within the CTZ may require the use of hand tools.

(e) Notification of Work.

If construction activities are desired to be conducted within the CTZ and a permit is granted, the Urban Forester shall be given at least 24-hours notice prior to anticipated commencement of construction activities.

(f) City Projects and Programs.

As the steward of the City's trees, the City's Urban Forester shall be consulted on matters related to City trees and impacts from City projects and programs. Best Management Practices ("BMPs") for City projects and programs, designed to protect and preserve City trees to the maximum extent practicable, should be developed in consultation with the City's Urban Forester. In the absence of established BMPs, the City's Urban Forester shall be consulted on a case-by-case basis as necessary, and will make recommendations for protective measures as warranted by site-specific conditions.

2.4 Reasonable Alternatives Analysis

(a) General. The City desires to preserve unique, valuable, and healthy City trees. In many circumstances alternatives to removal or pruning can be implemented in order to avoid significant tree damage and/or removal. This allows subject trees to continue thriving in urban areas, which is the City's desired outcome. Alternative treatments, project designs, or construction practices/materials shall be required if reasonable based on the thresholds discussed below.

(b) Required Documentation. The assessment and documentation of reasonable alternatives is required to obtain a permit for the removal of City trees under the criteria of SRC 86.090(a)(8) and (9), and prior to root pruning pursuant to SRC 86.070(b). The determination of whether an alternative is reasonable will vary depending on a variety of circumstances. Where no reasonable alternatives exist, the applicant for a permit shall document the basis for that conclusion as part of the permit application.

Where a City tree is proposed to be removed under SRC 86.090(a)(8) or (9), or root pruned under SRC 86.070(b), the first step in the assessment of reasonable alternatives will be the evaluation and classification of the tree at issue. There are three general classifications that will affect the reasonable alternatives analysis:

- (1) **Class 1.** Healthy, structurally stable trees that are: (A) Heritage trees, (B) Oregon white oaks with a dbh of 24-inches or greater, or (C) trees with exceptional ecological, aesthetic or historic qualities, will require the most rigorous assessment of alternatives. The City will generally not permit the removal or root pruning of such trees unless the applicant can demonstrate that they have conducted a thorough and searching analysis and made a determination that no alternative is reasonable under the circumstances. Alternatives that must be examined include: redesign of the project; use of alternative construction practices/materials; alternative locations for the work; and other methods to meet the goals of the project. High cost of an alternative, alone, may not be enough to make an alternative unreasonable for trees that fall into this classification. The Director must concur with the applicant's determination that no reasonable alternatives exist, prior to permits being issued for trees in this class.
- (2) **Class 2.** Other healthy, structurally stable trees that have a viable lifespan of more than five years, but that do not meet Class 1 criteria will require the applicant to demonstrate that they have conducted a basic assessment of alternatives and made a determination that no alternative was reasonable under the circumstances. Applicants shall still consider alternatives including redesigning the project and use of alternative construction practices/materials, and must be able to demonstrate why potential alternatives are not reasonable. High cost of an alternative relative to the proposed project cost and the value of the tree or trees is enough to make an alternative unreasonable for trees in this category. Director concurrence is not required.
- (3) **Class 3.** Trees that are 6-inches dbh or less, or that do not fall into either of the above classifications shall require a minimal assessment of reasonable alternatives. Applicants must merely demonstrate that they considered alternatives to removal or root pruning, and no alternative exists that would cost roughly the same or would merely require minor modifications to the proposed project. Director concurrence is not required.

(c) Alternative Methods to Prevent Root Pruning or Tree Removal. The following alternatives should be considered before removing or pruning City trees or tree roots that may result in tree instability or decline, including but not limited to:

- (1) Grinding a raised surface edge.

- (2) Ramping the paved surface over the roots or lifted slab.
- (3) Routing the sidewalk or driveway around the tree roots.
- (4) Use of alternative paving, hardscape, and/or base course materials, where approved by the City.
- (5) Use of root saws, chemical treatments, or pipe lining to inhibit or prevent root growth.
- (6) Relocation of a utility to a new location.

2.5 City Tree Planting

(a) General. In order to ensure the health and longevity of new City trees, it is important to ensure that tree stock, species, and plant locations meet Public Works Design Standards and Standard Construction Specifications.

For projects with City tree planting or City tree replacement, the proposed locations for such trees shall be shown on the plans submitted for a City permit.

If space does not permit planting, a fee in-lieu of planting a tree equal to the cost of the trees will be paid to the Salem City Tree Fund.

(b) Tree Stock

It is the applicant's responsibility to supply stock that meets the current City specifications that conform to the most current version of American Association of Standards, American Standards for Nursery Stock, ANSI Z60.1: *Specifications for Acceptance of Nursery Trees at the Time of Delivery*.

(c) Tree Species

(1) Street tree species shall be appropriate for the planting environment as determined by the City and seek to achieve a balance of the following: compatibility with space constraints for roots and branches at maturity; and providing adequate species diversity citywide and reasonable resistance to pests and diseases.

(2) Street tree species shall be from the City's list of approved street trees, unless otherwise approved by the Urban Forester.

(3) Trees from the City's list of prohibited trees shall not be planted.

(d) **Open Space Around Tree.** When any impervious material or substance is permitted within the CTZ of a City tree, the placement and material must meet Public Works Design Standards and Standard Construction Specifications.

2.6 City Tree Pruning

(a) General. The purpose of pruning is to develop and preserve tree structure, health, and the final appearance of the tree(s). Any person pruning a City tree shall do so in an appropriate manner, in order to maintain a tree form typical of the species or cultivar of the tree being pruned. The three cut tree pruning method illustrated in Standard Plan 814 shall be used whenever sawing a limb from a tree.

The City of Salem requires permits for all City tree pruning work unless specifically exempted. All work sites are subject to inspection before, during, and after work is completed.

Topping, espalier, or pollarding of City trees is prohibited.

Improper pruning may constitute a prohibited act as defined by the Salem Revised Code, Chapter 86 and a violation which may be subject to penalty.

(b) Minor Pruning Permit Exemption

On trees that have at least a 4-inch dbh, up to three tree branches and three tree roots 2-inches or less in diameter may be pruned per year without a permit using accepted arboricultural practices.

(c) Pruning of Trees Having an Adverse Effect on Adjacent Infrastructure or Buildings

(1) All work shall be performed in accordance with the most current version of ANSI A300 standards and Public Works Design Standards.

(2) Tree branches shall be at least eight feet above any building and 18-inches from any building façade.

(d) Pruning of New Street Trees

Newly planted trees may remain untrimmed provided they do not interfere with street traffic or persons using the sidewalk.

(e) Excessive Pruning

Excessive pruning is prohibited except for infrastructure clearance pruning of primary electrical utility lines, for traffic vision, or for abating a hazard as determined by the City Urban Forester. No more than 33% of the crown shall be removed within an annual growing season.

(f) Tools and Equipment

(1) Climbing and pruning practices shall not injure the tree except for the pruning cuts. Equipment that will damage the bark and cambium layer shall not be used on or in any tree.

(2) Spikes or climbing spurs shall not be used for climbing trees during pruning operations.

2.7 Pruning of Trees Projecting into City Property or Vision Clearance Areas

The following standards apply to any trees, shrubs or plants that project into city property or obstruct vision clearance areas.

- (a) Trees may be pruned to provide vision clearances as specified in SRC Chapter 805.
- (b) The lowest branches shall not be less than 14 feet above the surface of the street or alley.
- (c) The lowest branches shall not be less than 8.5 feet above the surface of any sidewalk or footpath.
- (d) Trees shall be trimmed in front of all traffic signs, traffic signals, and traffic cameras such that they are clearly visible from the street while meeting all other requirements of this section.

2.8 Street Tree Removal and Replacement Standards

- (a) **Arborist Report.** With the exception of Single Family Residential projects, the City may require an Arborist report detailing tree health, condition, and recommendations for or against retention.
- (b) **Closure Permit.** The permit holder must contact Public Works to obtain a Closure Permit prior to any street or lane closure that may be associated with the permitted City tree work.
- (c) **Replacement Trees and Fee in Lieu of Planting.** Trees will be replaced at by the following formula:
 - (1) For each tree removed pursuant to SRC 86.090(a)(1-7) one tree will be planted.
 - (2) For each tree removed for all other reasons one tree will be planted for each six inches of dbh removed, up to five trees.
- (d) **Fee In lieu of Planting**
 - (1) If space does not permit replanting, a fee in-lieu of planting a tree equal to the cost of the replacement trees will be paid to the City Tree Fund.
 - (2) The cost of the replacement tree is located in the City Council fee schedule.

2.9 Damage and Damage Assessment

(a) Reporting. Any damage or injury to City trees shall be reported within 6-hours to Public Works Dispatch (503-588-6333) so that damage assessment and mitigation can take place.

(b) Penalty for Damage to City trees. Penalty fees shall be paid to the City and deposited to the City Tree Fund as required.

2.10 Salem City Tree Fund

Funds collected from tree violations, damages, and fees in lieu of planting shall go into a dedicated Salem City Tree Fund.

2.11 Reference Documents

In implementing this Rule, the City shall use the following standards, manuals, and guidelines as reference documents for the terms and principles discussed in this Rule:

- (a)** *American National Standard for Tree Care Operations - Tree, Shrub and Other Woody Plant Maintenance – Standard Practices* (ANSI A300), American National Standards Institute. Current edition.
- (b)** *American Standard for Nursery Stock* (ANSI Z60.1), American National Standards Institute. Current edition.
- (c)** *Tree Protection on Construction and Development Sites. A Best Management Practices Guidebook for the Pacific Northwest.* Oregon State University Extension Service. December 2009.
- (d)** *Guide for Plant Appraisal.* Council of Tree & Landscape Appraisers. Current edition.

APPENDIX A

Table A-1: Salem Recommended Street Trees List 2015

(Note: other species may be used if approved by City Urban Forester)

No.	Scientific Name	Common Name	Plant Width	Under Powerline?	Form	Type
1	<i>Acer macrophyllum</i>	Bigleaf Maple	8' +	No	Spreading	Shade
2	<i>Acer platanoides</i> 'Crimson King'	Crimson King Maple	8' +	No	Global/ Pyramidal	Shade
3	<i>Acer platanoides</i> 'Deborah' P.P. #4944	Deborah Maple	8' +	No	Global/ Pyramidal	Shade
4	<i>Acer platanoides</i> 'Emerald Queen'	Emerald Queen Norway Maple	8' +	no	Global/ Pyramidal	Shade
5	<i>Acer platanoides</i> 'Pond' P.P. #4837	Emerald Lustre Maple	8' +	No	Global/ Pyramidal	Shade
6	<i>Acer rubrum</i> 'Franksred'	Red Sunset Maple	8' +	No	Global/ Pyramidal	Shade
7	<i>Acer rubrum</i> 'October Glory' P.P. #2216	October Glory Maple	8' +	No	Global/ Pyramidal	Shade
8	<i>Catalpa bignonioides</i> 'Aurea'	Golden Southern Catalpa	8' +	No	Spreading	Shade
9	<i>Cercidiphyllum japonicum</i>	Katsura Tree	8' +	No	Global/ Pyramidal	Shade
10	<i>Gleditsia triacanthos</i> var. <i>inermis</i> 'Suncole'	Sunburst Honeylocust	8' +	No	Global/ Pyramidal	Shade
11	<i>Platanus x acerifolia</i> 'Bloodgood'	Bloodgood London Planetree	8' +	No	Global/ Pyramidal	Shade
12	<i>Quercus bicolor</i>	Swamp White Oak	8' +	No	Global/ Pyramidal	Shade
13	<i>Quercus coccinea</i>	Scarlet Oak	8' +	No	Global/ Pyramidal	Shade
14	<i>Quercus garryana</i>	Oregon White Oak, Garry Oak	8' +	No	Global/ Pyramidal	Shade
15	<i>Quercus shumardii</i>	Shumard Oak, Shumard Red Oak	8' +	No	Global/ Pyramidal	Shade
16	<i>Acer miyabei</i> 'Morton'	State Street Maple	6' - 8' +	No	Global/ Pyramidal	Shade
17	<i>Acer rubrum</i> 'Armstrong'	Armstrong Red Maple	6' - 8' +	No	Fastigate/ Columnar	Shade
18	<i>Acer pseudoplatanus</i>	Sycamore Maple, Planetree Maple	6' - 8' +	No	Global/ Pyramidal	Shade
19	<i>Betula jacquemontii</i>	Jacquemontii Birch, whitebarked Himalayan Birch	6' - 8' +	No	Global/ Pyramidal	Shade
20	<i>Carpinus betulus</i> 'Fastigiata'	Upright European Hornbeam	6' - 8' +	No	Global/ Pyramidal	Shade
21	<i>Carpinus betulus</i> 'Frans Fontaine'	Frans Fontaine European Hornbeam	6' - 8' +	No	Global/ Pyramidal	Shade
22	<i>Carpinus quercifolia</i>	Oakleaf Hornbeam	6' - 8' +	No	Global/ Pyramidal	Shade
23	<i>Cladrastis kentukea</i>	American yellow-wood	6' - 8' +	No	Global/ Pyramidal	Shade
24	<i>Eucomia ulmoides</i>	Hardy rubber tree	6' - 8'	No	Global/	Shade

No.	Scientific Name	Common Name	Plant Width	Under Powerline?	Form	Type
			+		Pyramidal	
25	<i>Fagus sylvatica</i>	European Beech	6' - 8' +	No	Global/ Pyramidal	Shade
26	<i>Fraxinus americana</i> 'Junginger'	Autumn Purple Ash	6' - 8' +	No	Global/ Pyramidal	Shade
27	<i>Fraxinus pennsylvanica</i> 'Marshall'	Marshall Green Ash	6' - 8' +	No	Global/ Pyramidal	Shade
28	<i>Ginkgo biloba</i> 'Autumn Gold'	Autumn Gold Ginkgo	6' - 8' +	No	Global/ Pyramidal	Shade
29	<i>Gymnocladus dioicus</i> 'Espresso'	Espresso Kentucky Coffee Tree	6' - 8' +	No	Spreading	Shade
30	<i>Nyssa sylvatica</i>	Black tupelo	6' - 8' +	No	Global/ Pyramidal	Shade
31	<i>Quercus frainetto</i> 'Schmidt'	Forest Green Oak	6' - 8' +	No	Global/ Pyramidal	Shade
32	<i>Quercus rubra</i>	Red Oak, Northern Red Oak	6' - 8' +	No	Global/ Pyramidal	Shade
33	<i>Ulmus japonica</i> x <i>wilsoniana</i> 'Morton'	Accolade Elm	6' - 8' +	No	Spreading	Shade
34	<i>Ulmus parvifolia</i> 'Emer II'	Allee Chinese Elm	6' - 8' +	No	Global/ Pyramidal	Shade
34	<i>Zelkova serrata</i> 'Green Vase' P.P. #5080	Green Vase Zelkova	6' - 8' +	No	Global/ Pyramidal	Shade
35	<i>Zelkova serrata</i> 'Halka'	Halka Zelkova	6' - 8' +	No	Global/ Pyramidal	Shade
36	<i>Acer platanoides</i> 'Columnar'	Columnar Norway Maple	4' - 7.5'	No	Fastigate/ Columnar	Shade
37	<i>Acer rubrum</i> 'Bowhall'	Bowhall Red Maple	4' - 7.5'	No	Fastigate/ Columnar	Shade
38	<i>Acer rubrum</i> 'Scanlon'	Scanlon Maple	4' - 7.5'	No	Global/ Pyramidal	Shade
39	<i>Acer rubrum</i> 'Scarsen' P.P. #3109	Scarlet Sentinel Maple	4' - 7.5'	No	Global/ Pyramidal	Shade
40	<i>Carpinus</i> spp.	Hornbeam	4' - 7.5'	No	Global/ Pyramidal	Shade
41	<i>Fagus sylvatica</i> 'Dawyck Purple'	Dawyck Purple Beech	4' - 7.5'	No	Fastigate/ Columnar	Shade
42	<i>Fraxinus oxycarpa</i> 'Flame'	Flame Ash	4' - 7.5'	No	Global/ Pyramidal	Shade
43	<i>Fraxinus oxycarpa</i> 'Raywood'	Raywood Ash, Claret Ash	4' - 7.5'	No	Global/ Pyramidal	Shade
44	<i>Fraxinus pennsylvanica</i> 'Summit'	Summit Ash	4' - 7.5'	No	Global/ Pyramidal	Shade
45	<i>Pyrus calleryana</i> 'Glen's Form'	Glen's Form Chanticleer Flowering Pear	4' - 7.5'	No	Fastigate/ Columnar	Shade
46	<i>Quercus robur</i> 'Fastigiata'	Upright English Oak, Skyrocket Oak, Columnar English Oak	4' - 7.5'	No	Fastigate/ Columnar	Shade
47	<i>Sorbus aucuparia</i> 'Michred'	Cardinal Royal Mountain Ash	4' - 7.5'	No	Fastigate/ Columnar	Shade
48	<i>Cornus nuttallii</i>	Pacific Dogwood	8'	Yes	Spreading	Ornamental
49	<i>Acer campestre</i>	Hedge Maple	6' - 8'	Yes	Fastigate/ Columnar	Ornamental

No.	Scientific Name	Common Name	Plant Width	Under Powerline?	Form	Type
50	<i>Acer grandidentatum</i> 'Schmidt'	Rocky Mountain Glow Maple	6' - 8'	Yes	Global/ Pyramidal	Ornamental
51	<i>Cercis canadensis</i>	Eastern Redbud	6' - 8'	Yes	Global/ Pyramidal	Ornamental
52	<i>Prunus cerasifera</i>	Thundercloud Plum	6' - 8'	Yes	Global/ Pyramidal	Ornamental
53	<i>Prunus serrulata</i> 'Kwanzan'	Kwanzan Flowering Cherry	6' - 8'	Yes	Global/ Pyramidal	Ornamental
54	<i>Robinia pseudoacacia</i>	Globe Locust	6' - 8'	Yes	Global/ Pyramidal	Ornamental
55	<i>Acer platanoides</i> 'Crimson Sentry' P.P. #3258	Crimson Sentry Maple	4' - 7.5'	Yes	Fastigiate/ Columnar	Ornamental
56	<i>Crataegus x lavellei</i>	Lavalle Hawthorn	4' - 7.5'	Yes	Global/ Pyramidal	Ornamental
57	<i>Fraxinus excelsior</i> 'Aureaefolia'	Golden Desert Ash	4' - 7.5'	Yes	Global/ Pyramidal	Ornamental
58	<i>Sorbus americana</i> 'Dwarfecrown' P.P. #4157	Red Cascade Mountain Ash	4' - 7.5'	Yes	Global/ Pyramidal	Ornamental
59	<i>Acer buergerianum</i>	Trident Maple	4' +	Yes	Global/ Pyramidal	Ornamental
60	<i>Acer campestre</i>	Hedge Maple	4' +	Yes	Global/ Pyramidal	Ornamental
61	<i>Acer ginnala</i> 'Flame'	Flame Maple	4' +	Yes	Global/ Pyramidal	Ornamental
62	<i>Acer griseum</i>	Paperbark Maple	4' +	Yes	Global/ Pyramidal	Ornamental
63	<i>Acer platanoides</i> 'Globosum'	Globe Maple	4' +	Yes	Global/ Pyramidal	Ornamental
64	<i>Acer tataricum</i>	Tatarian Maple	4' +	Yes	Global/ Pyramidal	Ornamental
65	<i>Acer tataricum</i> 'JFS-KW2'	Rugged Charm Maple	4' +	Yes	Global/ Pyramidal	Ornamental
66	<i>Amelanchier grandiflora</i> 'Princess Diana'	Princess Diana Serviceberry	4' +	Yes	Spreading	Ornamental
67	<i>Amelanchier x grandiflora</i> 'Robin Hill'	Robin Hill Serviceberry	4' +	Yes	Global/ Pyramidal	Ornamental
68	<i>Amelanchier laevis</i> 'Snowcloud'	Snowcloud Serviceberry	4' +	Yes	Global/ Pyramidal	Ornamental
69	<i>Amelanchier x grandiflora</i> 'Autumn Brilliance'	Autumn Brilliance Serviceberry	4' +	Yes	Global/ Pyramidal	Ornamental
70	<i>Amelanchier x grandiflora</i> 'Cole's Select'	Cole's Select Serviceberry	4' +	Yes	Global/ Pyramidal	Ornamental
71	<i>Crataegus laevigata</i> 'Crimson Cloud'	Crimson Cloud Hawthorn	4' +	Yes	Global/ Pyramidal	Ornamental
72	<i>Crataegus laevigata</i> 'Paul's Scarlet'	Paul's Scarlet Hawthorn	4' +	Yes	Global/ Pyramidal	Ornamental
73	<i>Crataegus x lavellei</i>	Lavalle Hawthorn	4' +	Yes	Global/ Pyramidal	Ornamental
74	<i>Crataegus x mordenensis</i> 'Snowbird' C.O.P.F.	Snowbird Hawthorn	4' +	Yes	Global/ Pyramidal	Ornamental
75	<i>Crataegus x mordenensis</i> 'Toba'	Toba Hawthorn	4' +	Yes	Global/ Pyramidal	Ornamental
76	<i>Fraxinus excelsior</i> 'Aureaefolia'	Golden Desert Ash	4' +	Yes	Global/	Ornamental

No.	Scientific Name	Common Name	Plant Width	Under Powerline?	Form	Type
					Pyramidal	
77	Fraxinus pennsylvanica 'Johnson' P.P. #9136	Leprechaun Ash	4' +	Yes	Global/ Pyramidal	Ornamental
78	Halesia carolina 'Uconn Wedding Bells'	Wedding Bells Silverbell	4' +	Yes	Global/ Pyramidal	Ornamental
79	Maackia amurensis	Amur Maackia	4' +	Yes	Pyramidal	Ornamental
80	Maackia amurensis 'Starburst' P.P. #10557	Starburst Amur Maackia	4' +	Yes	Global/ Pyramidal	Ornamental
81	Malus 'Schmidt cutleaf'	Golden Raindrops Crabapple	4' +	Yes	Global/ Pyramidal	Ornamental
82	Prunus cerasifera 'Thundercloud'	Thundercloud Plum	4' +	Yes	Global/ Pyramidal	Ornamental
83	Prunus 'Frankthrees'	Mt. St. Helens Plum	4' +	Yes	Global/ Pyramidal	Ornamental
84	Prunus 'Newport'	Newport Plum	4' +	Yes	Global/ Pyramidal	Ornamental
85	Prunus sargentii 'JFS-KW58'	Pink Flair Cherry	4' +	Yes	Fastigate/ Columnar	Ornamental
86	Prunus 'Snow Goose'	Snow Goose Cherry	4' +	Yes	Global/ Pyramidal	Ornamental
87	Zelkova serrata 'JFS-KW1' P.P. #20996	City Sprite Zelkova	4' +	Yes	Global/ Pyramidal	Ornamental
88	Zelkova serrata 'Schmidtlow'	Wireless Zelkova	4' +	Yes	Spreading	Ornamental
89	Koelreuteria paniculata	Goldenrain Tree	4' +	Yes	Spreading	Ornamental
90	Malus 'Adirondack'	Adirondack Crabapple	4' +	Yes	Fastigate/ Columnar	Ornamental
91	Malus 'Jarmin' P.P. #14337	Marilee Crabapple	4' +	Yes	Fastigate/ Columnar	Ornamental
92	Malus 'Jewelcole'	Red Jewel Crabapple	4' +	Yes	Global/ Pyramidal	Ornamental
93	Malus 'Red Barron'	Red Barron Crabapple	4' +	Yes	Fastigate/ Columnar	Ornamental
94	Malus 'Sentinel'	Sentinel Crabapple	4' +	Yes	Fastigate/ Columnar	Ornamental
95	Parrotia persica 'Vanessa'	Vanessa Persian Parrotia	4' +	Yes	Fastigate/ Columnar	Ornamental
96	Prunus cerasifera 'Cripoizam'	Crimson Pointe Plum	4' +	Yes	Fastigate/ Columnar	Ornamental
97	Prunus serrulata 'Amanogawa'	Amanogawa Cherry	4' +	Yes	Fastigate/ Columnar	Ornamental
98	Prunus x cistena 'Schmidtcs'	Big Cis Plum	4' +	Yes	Global/ Pyramidal	Ornamental
99	Prunus x hillien 'Spire'	Spire Cherry	4' +	Yes	Fastigate/ Columnar	Ornamental
100	Pyrus calleryana 'Jaczam'	Jack Pear	4' +	Yes	Global/ Pyramidal	Ornamental
101	Sorbus americana 'Dwarfscrown'	Red Cascade Mountain Ash	4' +	Yes	Fastigate/ Columnar	Ornamental

Table A-2: Salem Prohibited Street Trees List 2015

No.	Scientific Name	Common Name
1	Populus spp.	Poplar, Cottonwood
3	Salix spp.	Willow
4	Aeschulus hippocastanum	Common horse chestnut
5	Acer negundo	Box elder
6	Laburnum spp.	Laburnum, Golden chain tree
7	Acer saccharinum	Silver maple
8	Ilex spp.	Holly
9	Ailanthus altissima	Ailanthus, Princess tree, tree of heaven