







Site Map



Table of Trees

Address

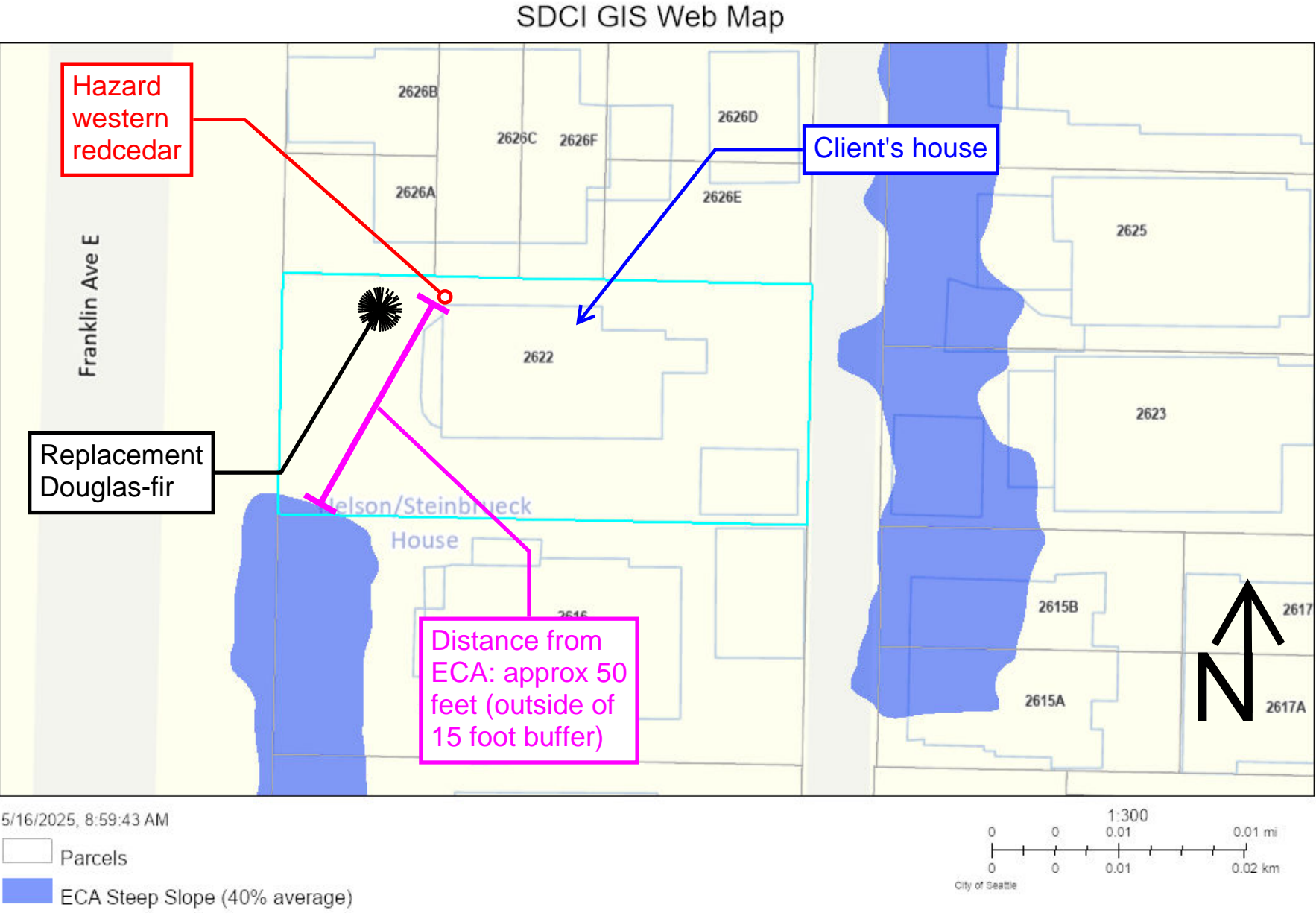
Arborist: Charlie Vogelheim

Date of Site Visit: 4/10/2025

Table Prepared: 4/10/2025

DSH (Diameter at Standard Height) is measured 4.5 feet above grade, or as specified in the Guide for Plant Appraisal, 10th Edition, published by the Council of Tree and Landscape Appraisers.
Dripline is measured from the center of the tree to the outermost extent of the canopy.

| Tree ID | Scientific Name | Common Name | DSH (inches) | Health Condition | Structural Condition | Dripline Radius (feet) | Notes | Recommendations |
|---------|---------------------------------|----------------|--------------|------------------|----------------------|------------------------|---|--|
| 1 | <i>Chamaecyparis lawsoniana</i> | Lawson cypress | 25 | Good | Fair | 13 | Codominant at 15 feet with three stems. Stems appear to be well knit and no included bark. Base of the trunk is about a foot north of structure and has a structural 6" root growing into the basement crawlspace causing uplift on the foundation. Some flagging of foliage, especially in the east side. | Apply for hazard tree removal permit. |
| 2 | <i>Chamaecyparis lawsoniana</i> | Lawson cypress | 26 | Good | Good | 13 | Codominant at 15 feet oriented in se/nw directions. Trunk is approx 6" from porch and roof. | Apply for a hazard tree removal permit once trunk is within 4-inches of building structure. Tree is unlikely to fail at the union, but you could install a dynamic cable between the two stems. |
| 3 | <i>Chamaecyparis lawsoniana</i> | Lawson cypress | 27 | Good | Fair | 26 | Southern most tree of 6 trees along eastern boundary of parcel. Tree was topped at 20 feet and has regrown. Asymmetric crown to southwest due to phototropic lean and pruning away from power lines to the east. Tree is in good health. | If concerns with overextended branches to the south, could prune extended lateral branches with reduction cuts. |
| 4 | <i>Chamaecyparis lawsoniana</i> | Lawson cypress | 27 | Good | Fair | 27 | Westernmost tree of four in a row of similar size. Asymmetric crown to the west, phototropic lean. Construction of new townhouses 4 feet north in last year. Uncertain of tree protection during construction, could have made structural root cuts on north side within 4 feet of the base that compromised the root system. | Inspect this tree and others in the same group for any new leans or new heaving or cracks in the soil. Contact us if you see anything. If concern for branches over structures, could reduce larger branches overhanging building to the north over townhouse. |



Parcel size: 5,500 square feet

Legal Description:
DENNY FUHRMAN ADD
PLat Block: 6
Plat Lot: 4

Replacement Planting:
The Lawsons cypress will be replaced with one Douglas-fir tree. The replacement tree will be in a 2-gal pot.

All plants shall conform to the grades and standards as published in the "American Standard for Nursery Stock" (ANSI Z60.1).



Tree Solutions Inc

Consulting Arborists

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Parcel #4315700690

May 16, 2025

Site Plan

L-1

This site plan is for the removal and replacement of a hazard Lawsons cypress (*Chamaecyparis lawsonia*). This map shows existing conditions on the site and the location of the replacement Douglas-fir tree (*Pseudotsuga menziesii*).

An ECA 1 Steep Slope Environmentally Critical Area exists on the southern side of the property, but the hazard tree is outside of this ECA and its 15-foot buffer.

Hazard Tree:
The tree of concern is a 24.7 inch DSH Lawsons cypress The tree has roots growing under the house foundations, causing uplift and damage, and presents a high risk to the house over a 2-year timeframe.

Replacement tree:
One Douglas-fir tree will be planted onsite. This tree will have a similar sized canopy to the removed tree cover upon maturity.

Notes: Tree Planting

Basic Planting Instructions:
Trees must be planted in the wet season (October 1 through April 1)

Before planting, set out the tree according to the planting plan. Remove invasive vegetation from all areas within 5-feet of proposed planting holes. Adjust locations of plants if the planting hole location per the planting plan requires damaging existing tree roots or native vegetation.

Dig bowl-shaped planting holes at least twice the width of the root ball. The hole should be just slightly deeper than that of the planted plant. Rough up the sides of the planting hole.

Remove the plant from its container and gently loosen bound roots on the outer inch of the soil and cut roots that encircle the root ball.

Set the plant in the hole so that the top of the soil remains level with the surrounding soil. Fill the surrounding space with loose native soil. Cover any exposed roots but do not pile dirt on the stem as it can kill some plants.

Gently press the filled soil to collapse air pockets, but allow the soil to remain loose. Form a temporary water basin around each plant to encourage water collection.

Water thoroughly.

Mulch with 4-inches of wood chips. Do not allow mulch to touch the base of the plant.

Maintenance:
The following monitoring and maintenance is required for a period of 5 years from date of plant installation. Self-monitoring is sufficient. No documentation is required to be submitted to SDCI unless requested.

- 80 percent survival of new trees and vegetation planted at the end of five years;
- Annual inspections of the plants;
- Replacement of failed plants;
- Removal of exotic invasive species that have become established;
- Photographic documentation of planting success retained for the five-year period; and
- No permanent irrigation is allowed on erosion hazard areas or their buffers.

Irrigate the tree 1 time per week deeply using drip irrigation, or a 15-to 20- gallon water bag at the base of the tree for several years after planting.



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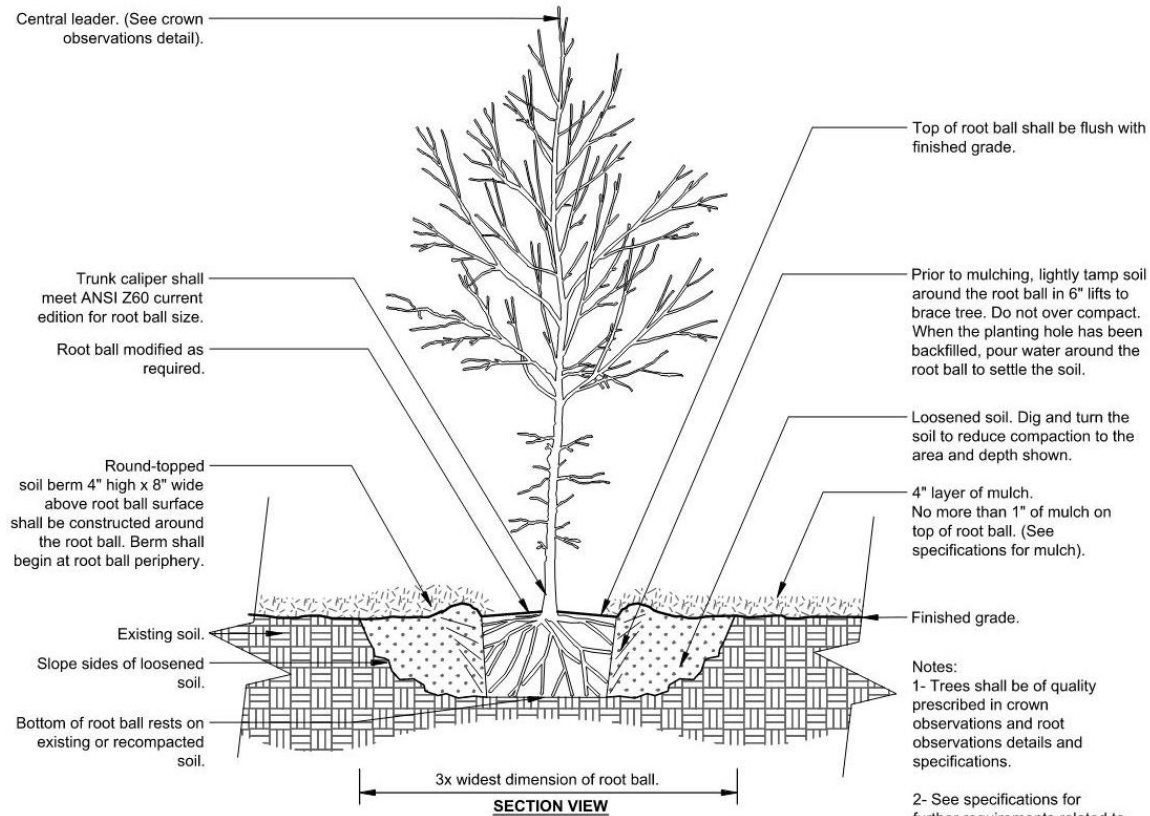
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Planting
Specifications

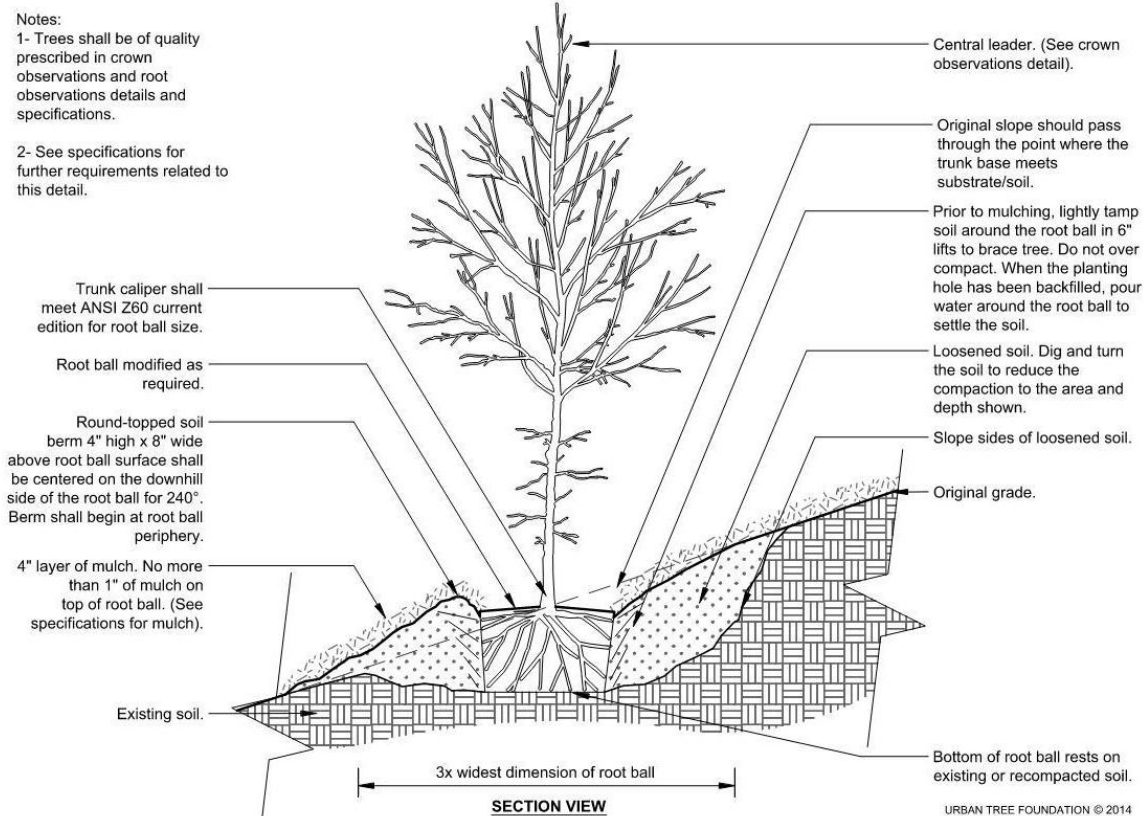
L-2



P-X TREE w/ BERM (EXISTING SOIL NOT MODIFIED)

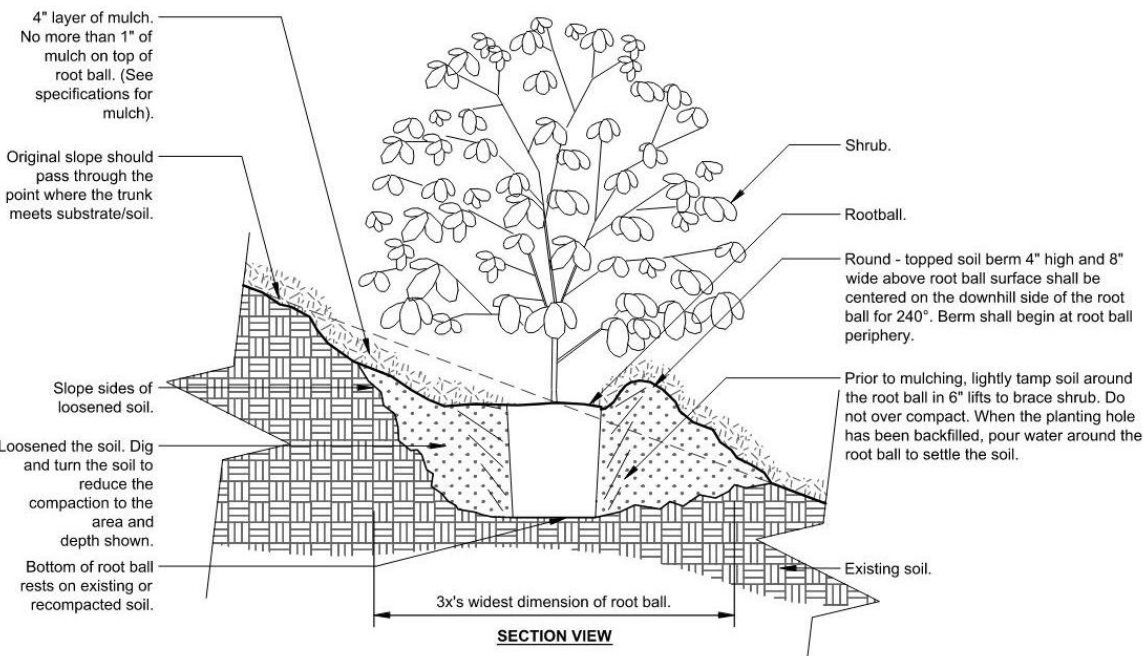
Notes:
1- Trees shall be of quality prescribed in crown observations and root observations details and specifications.
2- See specifications for further requirements related to this detail.

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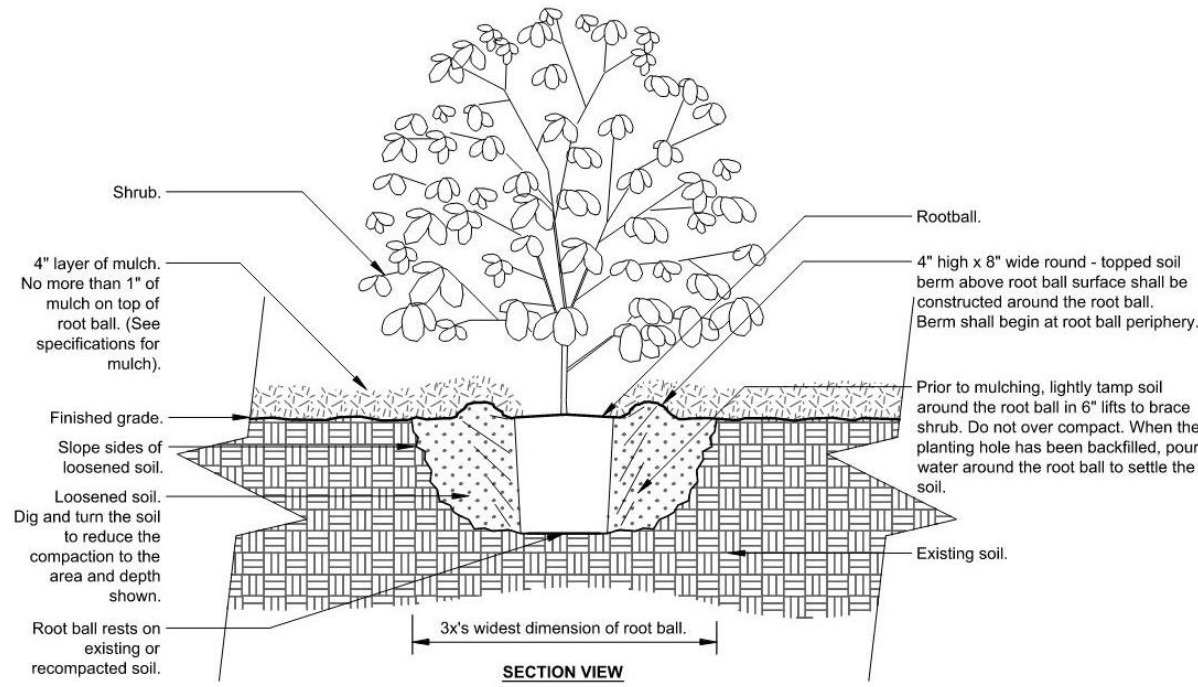
P-X TREE ON SLOPE 5% (20:1) TO 50% (2:1) - UNMODIFIED SOIL

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P-X SHRUB ON SLOPE 5% (20:1) TO 50% (2:1) - UNMODIFIED SOIL

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P-X SHRUB - UNMODIFIED SOIL

Notes:
1- Shrubs shall be of quality prescribed in the root observations detail and specifications.
2- See specifications for further requirements related to this detail.

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Planting Diagrams