



CITY OF SANDY, OREGON

# TREE REMOVAL PERMIT APPLICATION FORM

Planning Department  
39250 Pioneer Blvd.  
Sandy OR 97055  
503-668-4886 (Phone)  
503-668-8714 (Fax)

(Please print or type the information below)

Property Location or Address 15296 Salmonberry Ave, Sandy OR 97055

Map & Tax Lot Number T\_\_\_\_, R\_\_\_\_, Section\_\_\_\_; Tax Lot(s)\_\_\_\_\_

Estimated starting date: 3/15/2023 Ending date: 3/14/2023

Briefly Describe the Project Remove 1 douglas Fir tree from property, replanting 2 smaller Alaskan Cedars.

**Additional Information as required by the Planning Director: (See Chapter 17.102 for details) Including but not limited to:**

1. Two copies of a scaled site plan to contain the following information:
  - a. dimensions of the property and parcel boundaries;
  - b. location and species of trees 11 inches DBH or greater to be retained and cut;
  - c. location and type of tree protection measures.
2. A scaled re-planting plan indicating ground cover type, species of trees to be planted, and general location of re-planting.
3. An application for removal of a hazard within a protected setback area or a tree required to be retained as defined in Chapter 17.102.50 shall also contain a report from a certified arborist or professional forester indicating that the condition or location of the tree presents a hazard or danger to persons or property and that such hazard or danger cannot reasonably be alleviated by treatment or pruning.

I am the (check one)  owner  lessee of the property listed above and the statements and information contained herein are in all respects true, complete and correct to the best of my knowledge and belief.

Applicant/Owner <u>Bonnie Spillman</u>	Owner/Contractor
Address <u>15296 Salmonberry Ave</u>	Address <u>knormand@live.com</u>
City/State/Zip <u>Sandy, OR 97055</u>	City/State/Zip
Phone <u>503-349-8646</u>	Phone
Signature <u>B Spillman</u>	Signature

If signed by Agent, owner's written authorization must be attached.

Within 15 days of the date of accepting an application for a Type I Permit, the city shall complete an onsite inspection of proposed activities and issue or deny the permit.

File No.	App. Date	Rec. No.	Fee \$ <u>110.00</u>
Type of Review (circle one): <u>Type I</u> Type II Type III			

**Appendix A – Site Map**



Red Dot is 24" Douglas Fir, Red X are trees removed

White dots is trees to replant

Species: Green Arrow Weeping  
Alaskan Cedar  
(*Chamaecyparis nootkatensis*)



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[savatree.com/consulting](http://savatree.com/consulting)

**Sibyl Weise**  
Arborist Consultant  
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# Tree Health Assessment

## Level II

For

Bonnie Spillman

Located at

15296 Salmonberry Ave

Sandy, OR 97055



Bonnie Spillman  
 15296 Salmonberry Ave  
 Sandy, OR 97055  
 Bonnie (253) 487-1911  
 Kimberly (503) 349-8046  
 Knormand@live.com

Project: 1 Douglas fir

**General Information and Assignment**

SavATree was contacted with a concern about potential risk posed by one Douglas fir (*Pseudotsuga menziesii*) located in the backyard at 15296 Salmonberry Ave, Sandy. The client retained us to perform a tree health and risk assessment on the subject trees to provide recommendations on tree risk, tree risk mitigation, and residual risk following mitigation.

**Tree Assessment**

I visited the site and assessed the trees on January 11<sup>th</sup>, 2023. I performed a Level II Tree Risk Assessment. This involves assessing the visible tree roots, trunk, and crown for defects and potential targets for risk. The limitation of this assessment is due to the assessment taking place from the ground only. The potential targets are anyone located in the backyard or neighbor's yard, the house, and the neighbor's shed. This assessment is only for the trees specified and only for the level of assessment specified.

The tree risk assessment formula is: Probability x Consequences = Risk. That is, the probability of a tree or tree part failing and striking a potential target, and the consequences of that occurrence equals the risk rating. This risk assessment matrix is shown below. The risk assessment matrix is shown below

Matrix 1. Likelihood matrix.

Likelihood of Failure	Likelihood of Impact			
	Very low	Low	Medium	High
Imminent	Unlikely	Somewhat likely	Likely	Very likely
Probable	Unlikely	Unlikely	Somewhat likely	Likely
Possible	Unlikely	Unlikely	Unlikely	Somewhat likely
Improbable	Unlikely	Unlikely	Unlikely	Unlikely

Matrix 2. Risk rating matrix.

Likelihood of Failure & Impact	Consequences of Failure			
	Negligible	Minor	Significant	Severe
Very likely	Low	Moderate	High	Extreme
Likely	Low	Moderate	High	High
Somewhat likely	Low	Low	Moderate	Moderate
Unlikely	Low	Low	Low	Low

## ***Observations***

There is one Douglas-fir (*Pseudotsuga menziesii*) located in the southwest corner of the property in the backyard of 15296 Salmonberry Ave, Sandy. The diameter at breast height is 24" with a height of approximately 65 feet. The tree used to have co-dominate stems however during a recent storm, one of the leaders failed. There was a cavity at the union of the two leaders that had decayed thus leading to the tear-out. I have also found evidence of Doug fir beetle and aphids on the foliage. There were three other Douglas-firs removed in the past 3-4 years that had multiple failures that damaged the house. All of the trees were located in a small fir grove including the neighbor's, 15302 Salmonberry Ave, whose trees have also been failing.

## ***Risk Assessment***

### **Tree 1 24" DBH Douglas-fir**

The probability of the 24" Douglas-fir striking a target is: **Likely**. The consequence of the 24" Douglas-fir tree or part striking a target would be: **Significant**. The tree risk of the 24" Douglas-fir is consequently categorized as: **High**.

*The timeframe for this risk assessment is within one year of the date of the assessment and is valid under normal (non-extreme) weather conditions.*

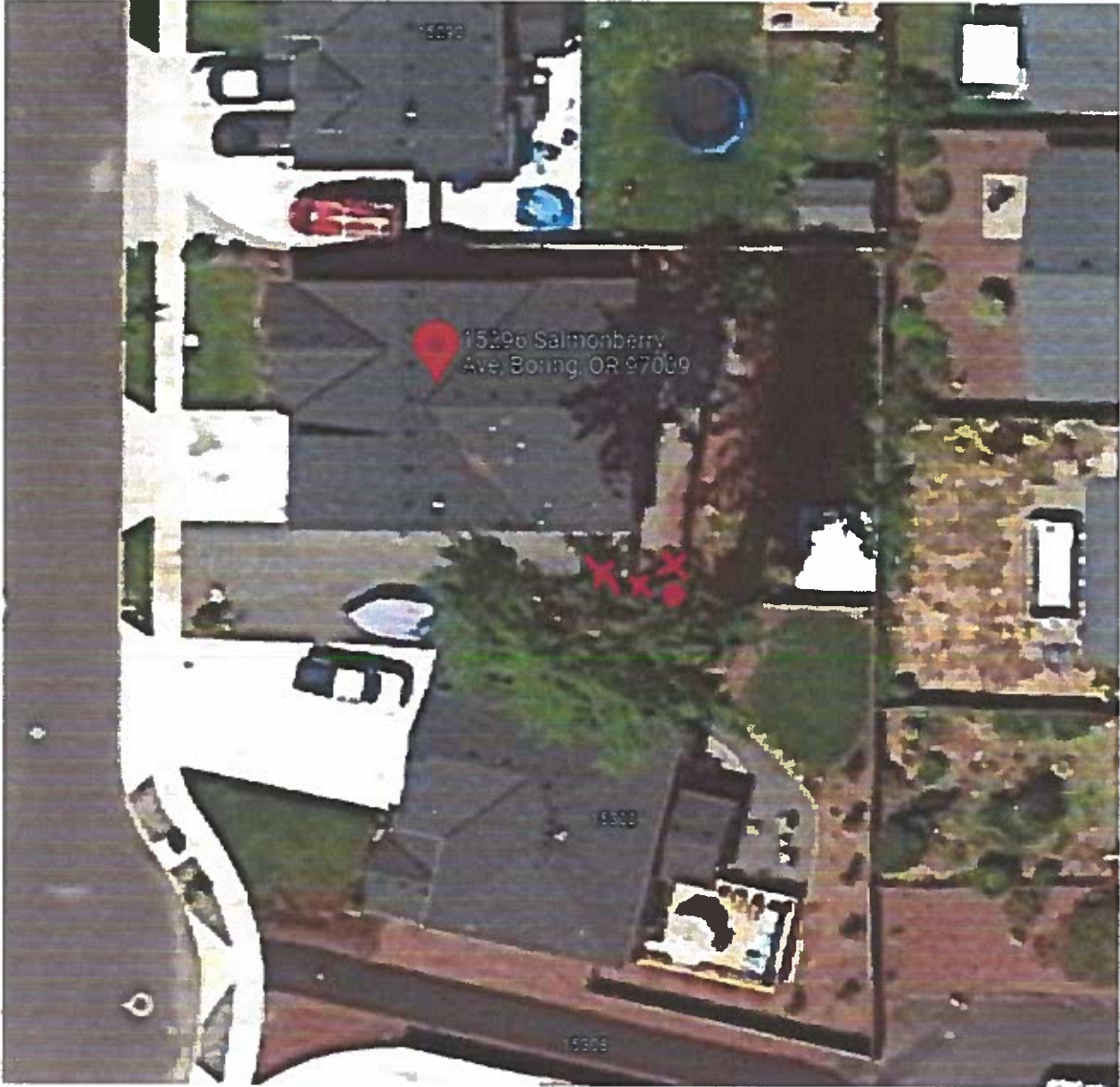
## ***Conclusion***

Tree risk can be eliminated by removing the trees or the targets. My recommendation for risk mitigation is to remove the Douglas-fir and replant it with native species. The fir has drastically dropped its branches which is most likely due to new exposure to wind loads from the tree removals on the property. In addition, the tree has Doug-fir beetle and aphids which increases the likelihood of failures in the future and negatively impacts the health of the tree. There is too much irreversible damage that even with a plant health care program the trees would likely not improve. The removal recommendation will eliminate the risk factor. I am also working with the next-door neighbor to assess the damage/risk of the trees on their property.

Trees can be managed but they cannot be controlled. Not all risk associated with standing trees can be eliminated. Even intact trees can be expected to fail all or in part under extreme weather conditions. The trees owners are responsible for selecting and implementing mitigation, scheduling of repeat assessments, and scheduling future monitoring and maintenance.

<b>Appendix A</b>	<b><i>Site Map</i></b>
<b>Appendix B</b>	<b><i>Images</i></b>
<b>Appendix C</b>	<b><i>Assumptions and Limitations</i></b>
<b>Appendix D</b>	<b><i>Certification of Performance</i></b>

**Appendix A – Site Map**



Red Dot is 24" Douglas Fir, Red X are trees removed

**Appendix B- Images**



**Image 1: 24" Doug-fir and 3 Doug-fir stumps**



**Image 2: 24" Douglas-fir**



**Image 3: Co-dominant stem failure**



**Image 4: Cut co-dominant leader chunk**



**Image 5: Evidence of Doug-fir beetle and decay**



**Image 6: Evidence of Doug-fir beetle and aphids**



## **Appendix C    *Assumptions and Limitations***

1. A field examination of the site was made. My observations and conclusions are as of that date.
2. Care has been taken to obtain all information from a reliable source, however the Arborist can neither guarantee nor be responsible for accuracy of information provided by others.
3. Unless stated otherwise, information contained in this report covers only those trees that were examined and reflects the condition of those trees at the time of inspection. The inspection is limited to visual examination of the subject trees without dissection, excavation, probing, or coring. There is no warranty or guarantee that problems or deficiencies of the subject tree may not arise in the future.
4. All trees possess the risk of failure. Trees can fail at any time, with or without obvious defects or applied stress. Trees are living biological organisms, and I cannot predict nor guarantee their stability or failure.
5. Sketches or drawings in this report are intended as visual aids and are not necessarily to scale and should not be used as engineering or architectural reports or surveys.
6. This report and any values/opinions expressed herein represents my opinion as an arborist. Inaction on the part of those receiving the report is not the responsibility of the Arborist.
7. Loss or alteration of this report invalidates the entire report.
8. *It is the contractor's/ owner's responsibility to contact us in a timely matter to ensure that a project arborist is available when inspections and/ or observations are required. Please allow two weeks for scheduling purposes.*
9. Any legal description provided to the consultant/ appraiser is assumed to be correct. Any titles and ownerships to any property are assumed to be good and marketable. No responsibility is assumed for matters legal in character. Any and all property is appraised or evaluated as free and clear, under responsible ownership and competent management.
10. The consultant/ appraiser shall not be required to give testimony or attend court by reason of this report unless subsequent contractual arrangements are made, including payment for such services.
11. Possession of this report does not imply right of publication or use for any other purpose by any other than the person to whom it is addressed, without the prior expressed written consent of the consultant/ appraiser.

## **Appendix D - Certification of Performance**

I, Sibyl Weise, certify that:

- I have personally inspected the trees and the property referred to in this report and have stated my findings accurately. The extent of the evaluation or appraisal is stated in the attached report and the Terms of the Assignment.
- I have no current or prospective interest in the vegetation or the property that is subject of this report and have no personal interest or bias with respect to the parties involved.
- The analysis, opinions and conclusions stated herein are my own and are based on current scientific procedures and facts.
- My analysis, opinions and conclusions were developed, and this report has been prepared according to commonly accepted arboricultural practices.
- No one provided significant professional assistance to me, except as indicated in the report.
- My compensation is not contingent upon reporting of a predetermined conclusion that favors the cause of the client or any other party nor upon the results of the assessment, the attainment of stipulated results, or the occurrence of any subsequent events.

I further certify that I am an ISA Certified Arborist with TRAQ qualifications. I have been involved in the arboricultural field for 7 years.

Sincerely,



Sibyl Weise  
NW SavATree  
Certified Arborist PN-8718A  
ISA Qualified Tree Risk Assessor  
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sweise@savatree.com

