Si necesita ayuda para comprender esta información, por favor llame 503-588-6173

DECISION OF THE PLANNING ADMINISTRATOR

TREE REMOVAL PERMIT: TRP24-34

APPLICATION NO.: 24-117771-PLN

NOTICE OF DECISION DATE: September 3, 2024

REQUEST: A Tree Removal Permit to remove three significant Giant Sequoia trees, approximately 59 inches, 60 inches, and 39 inches in diameter at breast height (dbh). These trees are located at 4824 San Antonio Court NE, a property zoned RS (Residential Single-Family) with Marion County Assessor's Map and Tax Lot number 072W17CC / 07200.

APPLICANT: Dennis and Debbie Engelhard

LOCATION: 4824 San Antonio Court NE, Salem OR 97305

CRITERIA: Salem Revised Code (SRC) Chapter 808.030(d)(1)

FINDINGS: The findings are in the attached Decision dated September 3, 2024.

DECISION: The **Planning Administrator APPROVED** TRP24-34 based upon the application materials and the findings as presented in this report.

Approval of a Tree Removal permit application does not expire.

This decision is final; there is no local appeal process. Any person with standing may appeal this decision by filing a "Notice of Intent to Appeal" with the Land Use Board of Appeals, 775 Summer St NE, Suite 330, Salem OR 97301-1283, not later than 21 days after the decision date. Anyone with questions regarding filing an appeal with the Oregon Land Use Board of Appeals should contact an attorney.

The following items are submitted to the record: 1) All materials and evidence submitted by the applicant, including any applicable professional studies; and 2) All materials, evidence, and comments from City Departments and public agencies. The application materials are available on the City's online Permit Application Center at https://permits.cityofsalem.net. You may use the search function without registering and enter the permit number listed here: 24 117771.

Case Manager: Quincy Miller, Planner I, qmiller@cityofsalem.net, 503-584-4676

http://www.cityofsalem.net/planning

BEFORE THE PLANNING ADMINISTRATOR OF THE CITY OF SALEM

DECISION

IN THE MATTER OF APPROVAL OF) FINDINGS & ORDER
TREE REMOVAL PERMIT)
CASE NO. TRP24-34)
4824 SAN ANTONIO CT NE) SEPTEMBER 3, 202

In the matter of the application for a Tree Removal Permit, the Planning Administrator, having received and reviewed evidence and the application materials, makes the following findings and adopts the following order as set forth herein.

REQUEST

A request to remove three significant Giant Sequoia trees, approximately 59 inches, 60 inches, and 39 inches in diameter at breast height (dbh). These trees are located at 4824 San Antonio Court NE, a property zoned RS (Residential Single-Family) with Marion County Assessor's Map and Tax Lot number 072W17CC / 07200. A location map identifying the subject property is included as **Attachment A**.

PROCEDURAL FINDINGS

- 1. On August 20, 2024, an application for a Tree Removal Permit was submitted for property located at 4824 San Antonio Court NE.
- 2. On September 3, 2024, the application was deemed complete.

SUBSTANTIVE FINDINGS

1. Proposal

The application states that there are ten trees on the property, with three Giant Sequoias proposed for removal along with two stumps proposed for removal. The remaining seven trees on the property have been identified for preservation, with no other heritage trees, significant trees, or riparian corridor trees or vegetation located on the property.

2. Applicability

<u>SRC 808.015 Significant Trees</u>. No person shall remove a significant tree, unless the removal is undertaken pursuant to a tree and vegetation removal permit issued under SRC 808.030.

DECISION CRITERIA FINDINGS

3. Analysis of Tree Removal Permit Approval Criteria:

<u>SRC 808.030(d)(1) Hazardous tree</u>. The condition or location of the tree presents a hazard or danger to persons or property; and the hazard or danger cannot reasonably be

alleviated by treatment or pruning, or the tree has a disease of a nature that even with reasonable treatment or pruning is likely to spread to adjacent trees and cause such trees to become hazardous trees.

Finding: The applicant provided an arborist's report (**Attachment B**) as well as the arborist's ISA Risk Assessment (**Attachment C**) for the three Giant Sequoia's slated for removal. These reports provided measurements and analysis of the three Giant Sequoias along with the history of the two Giant Sequoia stumps that are also proposed to be removed. Tree 1 refers to the Giant Sequoia with a dbh of 59 inches, Tree 2 refers to the Giant Sequoia with a dbh of 60 inches, and Tree 3 refers to the Giant Sequoia with a dbh of 39 inches.

According to the arborist's report, all three trees have experienced significant lightning damage, with the top part of Tree 1 failing completely in 2021 after an ice storm caused the top part of the tree to land on the roof of the property. All three trees are also leaning at least 10% towards the property or a neighboring property. This instability is also due to the canopy being "unbalanced," as the three remaining Giant Sequoias grew tightly with two other Giant Sequoias that have died (the two stumps also proposed for removal). The critical root zone for all three trees is also stated to have been compromised, further endangering the health of the remaining Giant Sequoias. The arborist also states that due to the previous damage to the trees, all three Giant Sequoias have a high likelihood of total failure within the next ten years, with a high likelihood of impacting property and/or people.

Due to the extensive existing damage to the trees themselves and to the critical root zones of the trees, the three Giant Sequoias on the property are leaning significantly and pose a hazard to persons and property. Therefore, per the arborist's recommendation, the three Giant Sequoias and two stumps shall be removed.

IT IS HEREBY ORDERED

The proposed Tree Removal Permit is consistent with the provisions of SRC Chapter 808 and is hereby **APPROVED** (or approved subject to the following conditions).

Quincy Miller, Planner I, on behalf of, Lisa Anderson-Ogilvie, AICP Planning Administrator

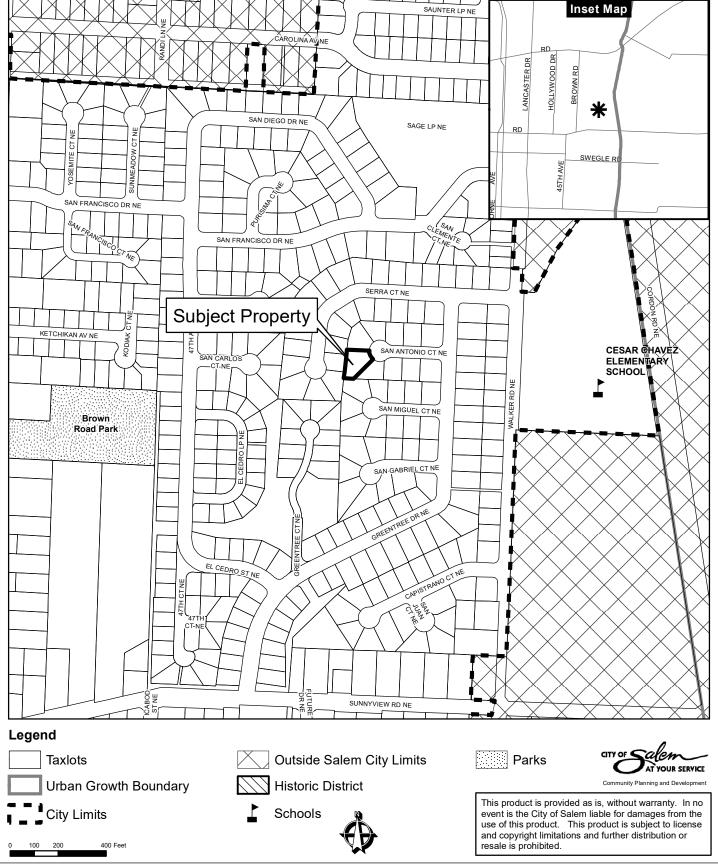
Attachments:

A. Vicinity Map

B. Arborist Report

C. Arborist ISA Risk Assessment

Vicinity Map 4824 San Antonio Court NE



August, 15th 2024

From: Will Fargo

ISA Certified Arborist PN-9313A

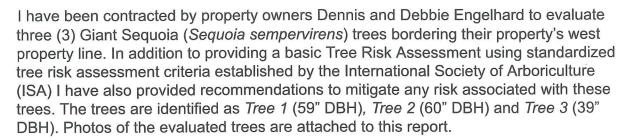
willfarqo@gmail.com

503-881-6004

ATTN: City of Salem

RE: 4824 San Antonio Ct. NE Salem, OR 97305

To Whom it May Concern,



In evaluating these trees, it was determined that this was originally a grove of five (5) closely spaced Giant Sequoia trees that grew up together and are approximately 50-60 years old at present day. The two northernmost trees of the grove have already been removed as they were badly damaged by a lightning storm approximately ten (10) years ago. Additionally, the top, or apical meristem or *Tree 1* experience a complete failure in the ice storm of 2021 with the top of the tree landing on the property owner's roof. The remaining three trees have significant lightning damage. The lightning damage to *Tree 1* and *Tree 2* has exceeded the tree's ability to compartmentalize the damage and has led to noticeable decline. An almost certain impending death of *Tree 2* can be seen by the presence of a dead top, or apical meristem.

While the lightning damage to these trees is significant and appears to be leading to the trees decline, a far more significant risk is total tree failure. It should be noted that *Tree 1* is leaning (10%) towards Dennis and Debbie Engelhard's property, *Tree 2* is leaning (10%) towards the neighbor's home to the South and *Tree 3* leans (15%) west towards another neighboring house. Because the trees grew up together in a tight grove, their canopies are unbalanced, with the majority of the canopy weight compounding the lean of the trees. Moreover, in discussing the history and future plans for the property, the root zones on all four sides of the grove have been compromised: On the North side of the grove's critical root zone, two Giant Sequoia trees have already been removed. As the roots from these two trees decay, the intertwining roots from the remaining three



trees will lose stability. Additionally, when the homeowners proceed with stump grinding and replanting of the two trees removed, the existing trees will be unavoidably damaged and further destabilized. On the West side of the critical root zone, a fence and raised garden bed have been built on the neighbor's property altering the natural grade of the soil. On the east side of the critical root zone, the property owners have brought in fill dirt in an attempt to better grow a lawn in the backyard. They reported extensive soil compaction and existing root damage during this process. The entire root plate from these trees is significantly uplifted approximately two (2) feet from the natural grade. The property owners have noticed additional root plate uplifting in recent years and recently had to replace a leaking automatic sprinkler line that broke (likely due to root plate uplift) on the south side of the grove's critical root zone. It is unknown how long this line had been broken and fully saturating the tree's critical root zone.

Because Giant Sequoia trees are a very long lived species I chose a ten year time frame over a typical five year time span used for these reports. Given the significant lean of all three trees towards high risk targets, and the lean compounded by an imbalance canopy and deteriorating root zone, I found total tree failure within ten years to be probable with a high likelihood of impacting targets. Given the severe consequences of total tree failure, all three trees are determined to be high risk trees and are recommended to be removed.

When Giant Sequoia trees grow up together in a grove they become very interdependent. Absent the lightning strike ten years ago, these trees would have had a good chance of supporting one another into old age. However, because the lightning has already caused the death of two of these trees and a third (*Tree 2*) is badly in decline, it is inevitable that the other trees will fail as well. Giant Sequoia trees naturally have shallow intertwined roots which they use to support one another. Given the general decline of these trees and the significantly compromised critical root zone, it is essential that you remove these trees to avoid total tree failure, which becomes more and more likely as root zone degradation progresses.

Should there be any questions or concerns regarding this inspection, please don't hesitate to reach out.

Sincerely,

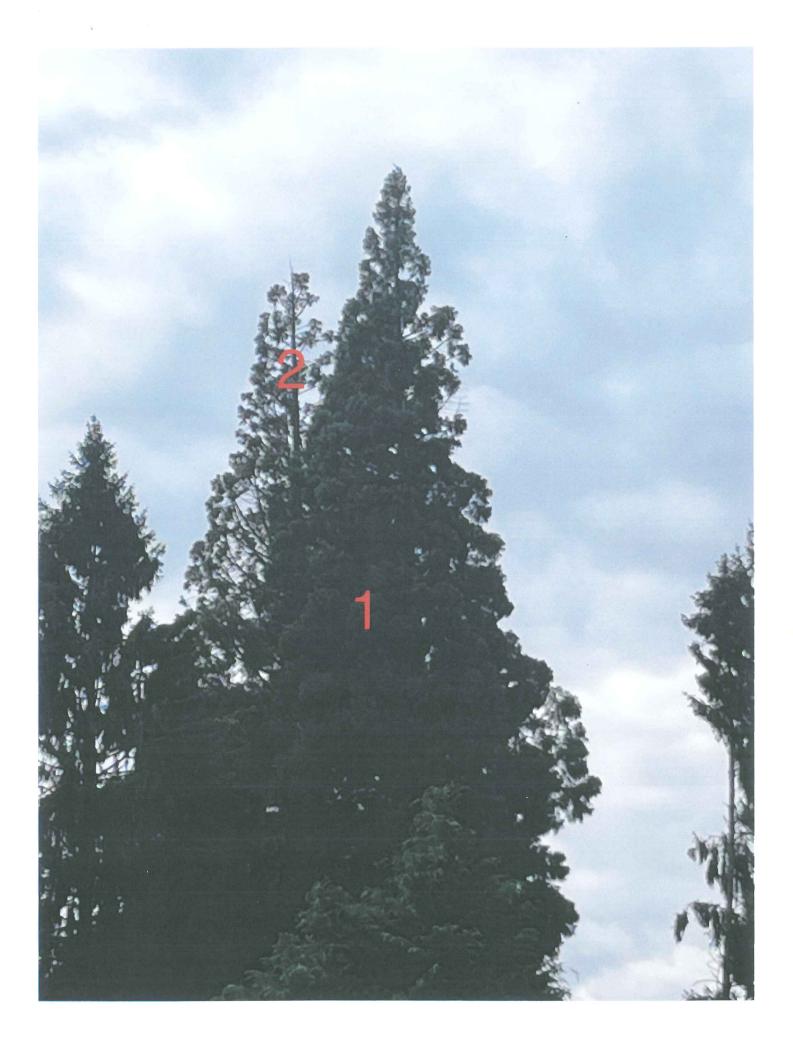
Will Fargo

503-881-6004

willfargo@gmail.com

V-ARGO

ISA Certified Arborist PN-9313A









ISA Basic Tree Risk Assessment Form

Client <u>Denni</u>	s & Debbie Engelhard		Date <u>8/15</u>	/24		_ Tin	ne 2:00)PM	
Address/Tre	e location <u>4824 San Antonio Ct. NE Sal</u> Giant Sequoia (Sequoia sempervirens)	em, OR 97305	Iree	no.	1		Sheet1	OF!	_2_
Tree species	Giant Sequoia (Sequoia sempervirens)	dbh60"	Height <u>90</u>		_ Crow	n spr	ead dia	25'	
Assessor(s) _	William L. Fargo	Tools usedDE	3H Tape			Time	e frame	10 year	S
		Target Assessmen	t						
Target number	Target description		Target protection	Target within drip line	Target within 1x Ht.	Target within [®] 1.5 x Ht.	Occupancy rate 1-rare 2 - occasional 3 - frequent 4 - constant	Practical to move target?	Restriction practical?
1 House	9		None	Х			4	No	No
2 Occur	pants		None	Х			3	No	No
3									
4									
		Site Factors			I				<u> </u>
Soil condition Prevailing win Vigor Low Pests/Biotic Species failur Wind exposu Crown densit	None ☐ Grade change ☒ Site clearing ☒ Is Limited volume ☒ Saturated ☒ Shallow Ind direction ☒ WSW Common weather Normal ☒ High ☐ Foliage None Boring insects Trunk ☐ Roots ☒ Independent ☐ Partial ☒ Full ☐ Wind for Boring ☐ Normal ☒ Dense ☐ Interiprected Change in load factors ☐ Degrading	w⊠ Compacted⊠ Pavement Strong winds □ Ice □ Snow Tree Health and Species e (seasonal) □ None (dead Abiotic □ Describe Shallow, intertwin Load Factors funneling □ for branches Few⊠ Normal □	over roots Heavy rain Deprofile Normal 90 Lightning damage hing roots Relati	_% Describe% C	cribe Shloroti	c	_% Ne	crotic _	<u>10</u> % arge□
		- Crown and Branci	hes —				Liebteina	4	
Dead twig Broken/Ha	aned 🖾 Thinned 🗆 Topped 🗅 Other	Aax. dia Codor Max. dia Weak Previous Raised	nse growth	ers/Galls/ rtwood	/Buris C decay I	Cavi Sim Sap	Includity/Nest hole ilar branches wood dama	ded bark % c s present ge/deca	circ.
	Crown weight compunds tree lean	Condition (s) of conce	m						,
Part Size .	Fall Distance .	ite□ Significant 🖾 Load o	on defect N/A 🗆	1	Minor	ΠМ	stance	Significan	nt 🛛
	—Trunk —		— Roots	and	Root	Col	lar —		
Codomina Sapwood Lightning Cavity/Ne Lean 10 Response Condition Part Size	ant stems	Cracks ☑ Dead I Sap ooze ☐ Ooze ss/Mushrooms ☐ Crack Poor taper ☐ Respo Condi	Cut/Damaged plate lifting onse growth ition (s) of concern	ecay roots Gee atta	☑ D sched re	istanc eport	Conks/Mus Cavity e from trun Soil w	% c	s 🗆 circ.
Load on de	efect N/A□ Minor □ Modera l of failure Improbable□ Possible□ Probabl	1	on defect N/A ood of failure Improb				loderate□ S obable 図 I	~	

Risk Categorization

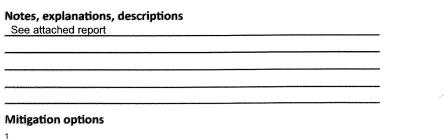
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Target		Condition(s)		Failu								Failure & Impact (from Matrix 1)			Cor	nseq	uen	ces	
(Target number or description)	Tree part	of concern	Improbable	Possible	Probable	Imminent	Very low	Low	Medium	High	Unlikely	Somewhat	Likely	Very likely	Negligible	Minor	Significant	Severe	Risk rating (from Matrix 2)
House	Trunk and	Lean compounded by an imbalanced crown.			х					х			х					х	High
	canopy	Deteriorated and declining root stability.	W. 7.																
		Tool stability.																	
Occupants		Lean compounded by an			х				х			х						х	Mod
	Trunk and	imbalanced crown. Deteriorated and declining																	
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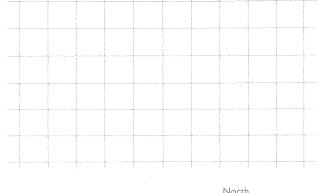
Matrix I. Likelihood matrix.

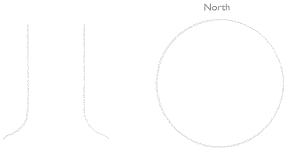
Likelihood		Likelih	ood of Impact	
of Failure	Very low	Low	Medium	High
Imminent	Unlikely	Somewhat likely	Likely	Very likely
Probable	Unlikely	Unlikely	Somewhat likely	Likely
Possible	Unlikely	Unlikely	Unlikely	Somewhat likely
Improbable	Unlikely	Unlikely	Unlikely	Unlikely

Matrix 2. Risk rating matrix.

Likelihood of		Consequer	ces of Failure	
Failure & Impact	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







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verall residual risk None 🗆	Low 🗆	Moderate □	High 🗆	Extreme 🗆	Recommend	ded inspection ir	nterval
ata ⊠Final □Preliminary Advar	ced asse	ssment neede	d ⊠No □	Yes-Type/Reas	on		
Inspection limitations ⊠None □Vi							



ISA Basic Tree Risk Assessment Form

Client D.			Date 9/15	124		Tir	ma 2:00	MGM	
	s & Debbie Engelhard e location <u>4824 San Antonio Ct. NE Salem</u>	OP 97305	Tree	no	2	131	Sheet 1	nf	
Tree checies	Giant Sequoia (Sequoia sempervirens)	dhh 59"	Height 90'	110	Crov	vn sni	_ oneet read dia	20'	
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<u>F</u>				Į, į	ě	Tar	4 – constant	ΔĔ	& g
1 Neigh	bor's house, greenhouse and sheds		None		Х		4	No	No
2 Prope	rty owners		None	х			3	No	No
3									
4									
1		Site Factors							
History of fail	ures Lightning strike ~ 2014 Ice Storm ~ 20	21 Trunk and branch fai	lures Topograph	ıy Flat□	Slope	· M _	5%	Aspect	<u>W</u>
	None ☐ Grade change ☑ Site clearing ☑ Ch								
Soil condition	s Limited volume ☑ Saturated ☑ Shallow ☑	☐ Compacted ☐ Pavemen	t over roots 🗆	_% Desc	ribe _	See a	ttached repo	ort	
	nd direction WSW Common weather Str								
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Species failur	e profile Branches□ Trunk□ Roots図 De		ining roots						
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necent or exp		nd Conditions Affecting 1	he likeliheed of Fei	 :l					
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Condition	(s) of concern See attached report	Conc	artion (s) of concern		•				
Part Size	Fall Distance	Part	Size		Fa	ll Dist	ance	· · · · · · · · · · · · · · · · · · ·	
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1	of failure Improbable ☐ Possible ☐ Probable ☐		ihood of failure Improb					_	

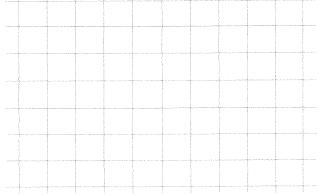
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Targe	et		C di	# (-)		Failu	ıre			lmp	act			ure &			Consequences				
(Target n or descrij	umber	Tree part		tion(s) ncern	Improbable	Possible	Probable	Imminent	Very low	Low	Medium	High	Unlikely	Somewhat	Likely	Very likely	Negligible	Minor	Significant	Severe	Risk rating (from Matrix 2
Neighbor's	house,	Trunk and	Lean compou	nded by an			х					х			х					х	High
greenhous	e and	canopy	Deteriorated a	and declining																	
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Property of	owners		Lean compo	unded by an			х				х			х						х	Mod
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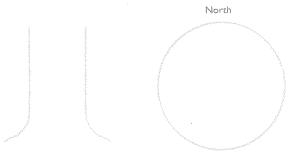
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of Failure	Very low	Low	Medium	High
Imminent	Unlikely	Somewhat likely	Likely	Very likely
Probable	Unlikely	Unlikely	Somewhat likely	Likely
Possible	Unlikely	Unlikely	Unlikely	Somewhat likely
Improbable	Unlikely	Unlikely	Unlikely	Unlikely

Matrix 2. Risk rating matrix.

Likelihood of		Consequer	ces of Failure	
Failure & Impact	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

Notes, explanations, descriptions	
See attached report	
MACONIMA MA	
Mitigation options	





Mitigation options				., ., .,		Residual risk
						Residual risk
					MANAGEM CONTRACTOR OF THE STREET OF THE STRE	Residual risk
ļ, <u></u>						Residual risk
Overall tree risk rating	Low 🗆	Moderate 🗆	High 🛛	Extreme 🗆		
Overall residual risk None 🗆	Low 🗆	Moderate □	High 🛘	Extreme 🛘	Recommended inspection	interval
Data ⊠Final □ Preliminary Adv	nced asse	ssment neede	d ⊠No □	Yes-Type/Reas	son	
Inspection limitations ⊠None □						



ISA Basic Tree Risk Assessment Form

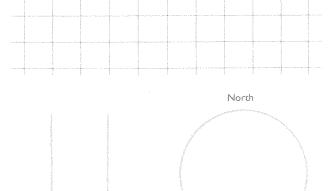
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	is & Debbie Engelhard	00.07005	Date8/	15/24	2	1111	ne2:00	PIVI	
Address/ Ire	ee location <u>4824 San Antonio Ct. NE Salem. (</u> Giant Sequoia (Sequoia sempervirens)	7K 8/302		ee no	Crow		_ Sueer	25'	
Assessor(s)	William L. Fargo					1 111 12	e manne	10 year	
		Target Assessr	ment						
<u> </u>			***		rget zone		Occupancy		
Target number				퉅	Target within 1 x Ht.	Target within 1.5 x Ht.	rate	Practical to move target?	ا ج ۾
]	Target description		Target protection	u ji	3 =	ž ž	1-rare 2 - occasional	ical e ta	ig ig
a Bar				dri	arge 1	arge 1.5	3 – frequent 4 – constant	ract Nove	Restriction practical?
		W			┝	_		1	No
	hbor's house		None	X		-	4	No	
	hbors		None	X	\vdash		3	No	No
3	Market Control of the						54458AVIIIAO	 	
4								<u> </u>	<u> </u>
		Site Factors							
•	ilures Lightning strike ~ 2014 Ice Storm ~ 202							Aspect	: <u>W</u>
	None ☐ Grade change ☒ Site clearing ☒ Chan								
	ns Limited volume ☑ Saturated ☑ Shallow ☑								
Prevailing w	ind direction WSW Common weather Stron	ng winds ☐ Ice ☐ S	now□ Heavy rain□	Describe					
	Tı	ree Health and Spe	cies Profile						
Vigor Low 5	☑ Normal ☐ High ☐ Foliage None (sea								<u>15_</u> %
Pests/Biotic	Boring insects	Abioti	ic Lightning damage						
Species failu	re profile Branches ☐ Trunk ☐ Roots ☒ Des								
**************************************		Load Facto					11 FT		
	ure Protected□ Partial図 Full□ Wind funne								
	ty Sparse□ Normal Dense□ Interior br		mal□ Dense□ Vin e	s/Mistleto	e/Mos	s 🗆 _			
Recent or ex	pected change in load factors See attached rep	ort	·····					·	
	Tree Defects and	Conditions Affectir	ng the Likelihood of	Failure					
		Crown and Bra	anches —						
Unbaland	ed crown ☑ LCR 100 %	С	racks 🛘				Lightning	damage	<u> </u>
Dead twi	gs/branches 🛚 <u>10</u> % overall Max. d	ia. <u>2"</u>	odominant 🛘					ded bark	
1	-	iav	Veak attachments 🛘 _			Cavi	ty/Nest hole	%	circ.
1	ended branches		revious branch failures						
Pruning I	······································	D	ead/Missing bark 🛛 Ca	nkers/Galls,	/Burls 🗆	Sap	wood damaį	ge/deca	у□
Crown cl Reduced		ised	onks 🗆 💮 🖠	leartwood	decay [J			
Flush cut		_	esponse growth						
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	Crown weight compunds tree lean								
Part Size	Fall Distance	P	art Size				stance		
Load on o			•				oderate 🗆 S	_	
Likelihoo	d of failure Improbable ☐ Possible ☑ Probable ☐	Imminent LI LI	ikelihood of failure Imp	robableLI	Possible	IXI Pr	obable LI II	mminen	
	—Trunk —		— Ro	ots and	Root	Col	lar —		
Dead/Mi	ssing bark 🗵 Abnormal bark text	ure/color 🔽 💢 C	Collar buried/Not visible	e□ De	oth		Stem	girdling	g 🛮
1	nant stems □ Included bark □	1	Dead 🗆	Decay 🗆	· · · · · · · · · · · · · · · · · · ·		Conks/Mus	_	
		1		Decay L					
1	g damage ☑ Heartwood decay ☐ Conks/Mu		Ooze 🗆		g1 ~·		Cavity 🗆		
	· · · · · · · · · · · · · · · · · · ·	oor tanor []	Cracks Cut/Dama	gea roots L	∆i Di	stanc			
1	est noie% circ. Depth P° Corrected?	· ^	loot plate lifting 🛛					eakness	
1	e growth	l K	lesponse growth ———						
Conditio	n(s) of concern See attached report	c	Condition (s) of concern	See atta	iched re	port			
I	e Fall Distance	1	art Size		Fall	Diet	ance		
	_								
Load on o	d of failure Improhable □ Possible □ Probable ☑		oad on defect N/A ikelihood of failure Imp				loderate□ S obable 図 II	-	

1																					
				Risk Cat	egor	izati	on														
	I									Likel	ihoo										
Targe	et			dition(s)		Failu	ıre			lmp	act		Failure & Impact (from Matrix 1)			Consequences					
(Target n or descrij	umber	Tree part	of co		Improbable	Possible	Probable	Imminent	Very low	Low	Medium	High	Unlikely	Somewhat	Likely	Very likely	Negligible	Minor	Significant	Severe	Risk rating (from Matrix 2)
Neighbor's	house,	Trunk and canopy	Lean compour imbalanced cr Deteriorated a root stability.	own.			х					x			х					х	High
Neighbors	3	Mary the fall of the second se	Lean compou	ınded by an			х				х		·			х				х	Mod
		Trunk and canopy	imbalanced of	rown. and declining																	
		444 11 144 000 144 00																			
				ACCURATION OF THE PROPERTY OF									-							Н	
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Matrix I. Likel	ihood matr	ńx.									-										
Likelihood		Likelih	ood of Impact		_									-				-			-
of Failure	Very low	Low	Medium	High	4							War the Colonian									
Imminent	Unlikely	Somewhat likely	Likely	Very likely	_									1				Ī	Ī		
Probable	Unlikely	Unlikely	Somewhat likely	Likely	_			ļ						ļ	<u> </u>			ļ		_,	ļi
Possible	Unlikely	Unlikely	Unlikely	Somewhat like	ely																
Improbable	Unlikely	Unlikely	Unlikely	Unlikely							<u>.</u>		·	<u> </u>							-

Matrix	2	Risk	rating	matrix.
MUULIA	<i>_</i> -	LUSIN	1 auniz	mau i.

Likelihood of		Consequer	ces of Failure	
Failure & Impact	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

Notes, explanations, descriptions See attached report	
Mitigation ontions	



						Residual risk
						Residual risk
-						Residual risk
PERFECT SHIP IN THE SECOND SEC						Residual risk
verall tree risk rating	Low 🛮	Moderate 🗆	High 🛛	Extreme 🗆		
verall residual risk None	Low 🗆	Moderate □	High 🗖	Extreme 🗆	Recommended inspection	on interval
ata 🛮 Final 🔲 Preliminary Adva	nced asse	ssment neede	d ⊠No □	Yes-Type/Reas	son	