Andrew Raines ISA Certified Arborist ISA TRAQ Certified ISA Utility Specialist PN-7684AU



At 7655 SE 40th St. Mercer Island, WA 98040 I did a full site assessment of all the trees over 6". All trees were surveyed with a TRAQ form whether or not there was a target to inform of any foreseen issues and to assess the tree for any visible conditions to be noted. There were 14 trees assessed and they are numbered in conjunction with a survey map. Refer to TRAQ forms for additional details.

*Trees of concern would be those that have structural defects with targets within striking distance that would cause significant damage. Examples would be Blocking or landing in street, landing or powerlines, or landing on house. Refer to TRAQ forms for additional details.

Tree 6 (DOUGLAS FIR): Shows signs of root damage (flatness on base of tree in paved area), Has heavy overextended branches from over trimming, and tree has multiple tops from top breakage or being topped in previous trims. Tree canopy is overhanging the house and overall risk rating is high and recommended to be snagged or removed to mitigate hazard to none. Recommended to plant small trees in replacement because of limited space.

Tree 7 (DOUGLAS FIR): Trees base in poor condition (Burl and sap oozing), trees canopy is one sided towards powerlines (to be trimmed on utility maintenance), Tree is over trimmed and all limbs are heavy and overextended. Tree overall risk rating is high and recommended to be snagged or removed to mitigate hazard to none. Recommended to plant small trees in replacement because of limited space.

Tree 8 (DOUGLAS FIR): Tree has a questionable lean with little or no correction, Tree canopy is on powerline side only to be trimmed on utility maintenance. All limbs are overweight or over extended from over trimming. Tree risk rating is high and recommended to snag or remove. Small to medium size trees are recommended for replanting in the area.

Tree 9 (DOUGLAS FIR): Canopy has been raised too high and reduced to the point where all limbs are overweight and overextended and failure is occurring in the roadway. Previous failures have occurred and the area is high in car and pedestrian traffic as while I was on site. Over risk rating on the tree is high and mitigation actions are recommended for snag or removal. Replants in this area should be small to medium sized trees.

Tree 14 (INVASIVE HAWTHORNE): Tree has been reduced multiple times and isn't cost effective for customers to maintain. Tree has decayed in base from previous lead reduction. Tree is has limited space to grow besides on house and over roof area creating a path for insects or larger critters. Tree is also wearing away paint from rubbing on the house. Tree is a moderate risk but could be high in circumstance of cost for maintaining trimming, painting, and pest control. Recommended mitigation actions would be removal.

*All other trees have little concern for target issues but that doesn't mean that there aren't any issues or have recommendations for mitigation.

Tree 1 (Laurel): This tree does have noticeable cavities along the trunk and large branches. Failure would cause negligible damage but recommended to raise canopy over fence for clearance and reduce top canopy to help from weight failure because of cavities.

Tree 2 (Douglas Fir): Tree has been trimmed and topped previously. Recommended to deadwood over fence area and inspect for structural defects in topped area.

Tree 3 (Douglas Fir): Tree has been trimmed and topped previously. Recommended to deadwood over fence area and inspect for structural defects in topped area.

Tree 4 (Grand Fir): No issues besides some dead limbs. Recommended deadwooding for health. keep an eye out for unusual growth because species are prone to disease.

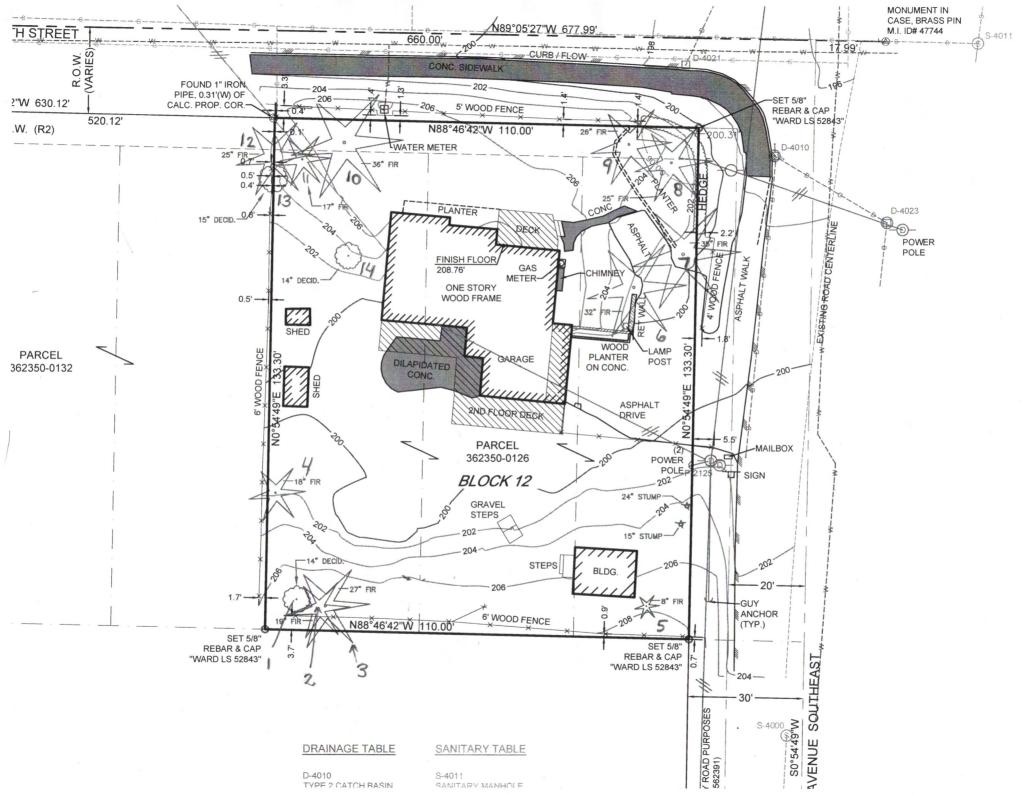
Tree 5 (Grand Fir): Tree has poor taper because it's surrounded by other trees. Recommended to remove ivy from base and keep an eye out for unusual growth because species are prone to disease.

Tree 10 (Douglas Fir): Tree looks to be in good condition. Recommended to deadwood and reduce any limbs overhanging the house.

Tree 11 (Douglas Fir): Tree growing unusually possible from being topped or phototropism because it's in the middle of a mini forest. Tree is also flattish on the house side and is a possible concern. Recommended to deadwood, thin, reduce on the house side, and reduce extra tops.

Tree 12 (Douglas Fir): Tree is in good condition and has full wind protection. Recommended to deadwood and further inspect because of visual limitations.

Tree 13 (Cherry): tree has large wound and cavity with decay low to ground in comparison to canopy. Failure is imminent in neighbors' backyard (no target in area besides old fence). Canopy seems healthy. Failure damages would be negligible and recommended to leave till failure or remove if owner desired.



ISA Basic Tree Risk A						
Client DAVE CUTEIGHT	Date (0 Z)	2022	Ti	me 12 pm	^	
Address/Tree location 7655 SE 140TH ST MERCER ISL, U	Tree	no.		Sheet	of	
Tree species LAUREL dbh 14"	Height <u>30</u>	Cr	own sp	read dia. 2	0	
Address/Tree location 7655 SE 140T4 ST MERCER ISL, IN Tree species [_AURel	ISUAL		Tim	e frame 2	YEAR	5
Target Assessme						
		Target		Occupancy		
Target description	Target protection	Target within drip line Target within	1 × Ht. Target within 1.5 × Ht.	rate 1-rare 2-occasional 3-frequent 4-constant	Practical to move target?	Restriction practical?
1 FENCE	NONE	XX	X	4	N	N
2						
3						
4						· ·
Site Factors				L	L	L
History of failures	Topograph		not 2	P %	Acnoct	
Site changes None Grade change Site clearing Changed soil hydrology						
Soil conditions Limited volume □ Saturated □ Shallow □ Compacted ⊠ Pavement						
Prevailing wind direction <u>S</u> [∞] Common weather Strong winds [∞] Ice [□] Show		scribe		1110		
Tree Health and Specie	-	sense				
Vigor Low Normal Y High Foliage None (seasonal) None (de			otic	0/ No.	motio	
Pests/Biotic Abiotic		% C1101	0110	% Net	rotic	%
Species failure profile Branches Trunk Roots Describe						
Load Factors						
Wind exposure Protected 🖾 Partial 🗆 Full 🗆 Wind funneling 🗆		e crown si	ze Sma	II Mediu	m 🗆 La	arge
Crown density Sparse I Normal Dense I Interior branches Few Norma						
Recent or expected change in load factors						
Tree Defects and Conditions Affecting		ure				_
— Crown and Brand						
Unbalanced crown L LCR 166 % Crac	« 🗆	_		Lightning o	lamage	
Dead twigs/branches				Includ		
Wea	k attachments 🛛		Cav	ity/Nest hole	60%c	irc.
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Condition(s) of cond	ern HAS	o CAV	1(9			-
Part Size Fall Distance Part	Size 10'		Fall Di	stance JF	Т	-
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	hood of failure Improbal					
— Trunk —	— Roots	and Roo	ot Col	lar —		$\overline{}$
Dead/Missing bark Abnormal bark texture/color Colla	r buried/Not visible 🛛	Depth_		Stem	girdling	
Codominant stems Included bark Cracks Dear	Dec	ay 🗆		Conks/Musł	nrooms	
Sapwood damage/decay Cankers/Galls/Burls Sap ooze Ooze	e 🗆			Cavity 🗆	% c	irc.
Lightning damage 🗆 Heartwood decay 🗆 Conks/Mushrooms 🗆 Crac	ks Cut/Damaged	roots 🗆				
Cavity/Nest hole% circ. Depth Poor taper 🗆 Root	plate lifting			Soil we		
Loop ° Corrected?	onse growth					
Response growth	lition (s) of concern					
Part Size Fall Distance Part	Size		all Dist	ance		_
Load on defect N/A 🖾 Minor 🗆 Moderate 🗆 Significant 🗆 Load	on defect N/A 🖄	Mino	r 🗆 M	oderate 🗆 Si	gnificant	
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or description)			of concern		Improbable	Possible	Probable	Imminent	Very low	Low	High	Unlikely	Somewhat	Likely	Very likely	Negligible	Minor	Severe	Risk ratin (from Matrix
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Data 🖾 (Final 🗆 Preliminary Advanced assessment needed 🖾 No 🗆 Yes-Type/Reason ______

Inspection limitations INone IVisibility IAccess IVines IRoot collar buried Describe

ISA Basic Tree Risk As	sessmen	t Fo	orm	า			
					12:14	om	
Client <u>DAVE CUTRIGHT</u> Address/Tree location <u>7635</u> <u>SE 140TH ST MURCER ISLAWD</u> Tree species <u>DOUGLAS</u> FIR <u>dbh 19</u> "	WA Tree	no. 7		1111	Sheet 1	of	1
Tree species DOUGLAS FIR dbh 9"	Height 65		Crow	n spr	ead dia. 3	5	1
Assessor(s) ANDREW RAINES Tools used VI	SUAL			Time	frame 2	YCAP	3
Target Assessment							
			get zone		Occupancy	~	
Target description	Target protection	Target withir drip line	Target within 1 x Ht.	Target within 1.5 x Ht.	rate 1-rare 2 - occasional 3 - frequent 4 - constant	Practical to move target?	Restriction practical?
1 FENCE	NO	X	XV	X	4	N	N
2 HOUSE	NO		\sim	Х	4	N	W
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4							
Site Factors							
History of failures LIMB	Topography	Flat	Slope	2 2	-5 %	Aspect	
Site changes None ☑ Grade change □ Site clearing □ Changed soil hydrology □ Ro							
Soil conditions Limited volume 🗆 Saturated 🗆 Shallow 🗆 Compacted 🖄 Pavement							
Prevailing wind direction <u>> </u> Common weather Strong winds Ice Snow		scribe_					
Tree Health and Species							
Vigor Low Anomal High Foliage None (seasonal) None (dead Pests/Biotic Abiotic Abiotic) Normal <u>95</u>	% Cł	nlorotic	C	% Nec	rotic	5_%
Pests/Biotic Abiotic Species failure profile Branches ☑ Trunk □ Roots □ DescribeHGA VY	NGA FAILURE	/					
Load Factors							
Wind exposure Protected Partial Vind Full Wind funneling							arge 🖾
Crown density Sparse ☑ Normal □ Dense □ Interior branches Few ☑ Normal □	Dense Vines/M	listletoe	e/Mos	s 🗆 _	<u></u>		
Recent or expected change in load factors							
Tree Defects and Conditions Affecting th	e Likelihood of Failu	ıre					
- Crown and Branch	ies —				en stan en de la de	inger d	
Pruning history Previou Crown cleaned I Thinned I Reduced Topped I Flush cuts Other	attachments	s/Galls/E wood d	Burls 🗆 lecay 🗆	Cavit Simil Sapv	ty/Nest hole_ lar branches wood damag	% ci present e/decay	
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— Trunk —	— Roots	and R	loot	Coll	ar —		7
Codominant stems Included bark Cracks Dead Sapwood damage/decay Cankers/Galls/Burls Sap ooze Ooze Lightning damage Heartwood decay Conks/Mushrooms Cracks Cavity/Nest hole % circ. Depth Poor taper Root p Lean 87 ° Corrected? N 0 Response growth Condition (s) of concern Part Size Part Size Part Size	Cut/Damaged r Cut/Damaged r late lifting rse growth con (s) of concern	ay 🗆 roots 🗆	Dis Fall	(stance Dista	Conks/Mush Cavity [] e from trunk Soil we nce	% ci 	□ rc. □
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(Target number or description)	Tre	e part			Improbable	Possible	Probable	Imminent	Very low	Low	Medium	High	Unlikely	Somewhat	Likely	Very likely	Negligible	Minor	Significant	Severe	Risk rating (from Matrix 2)
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Matrix 2. Risk rating	matrix.		r - 11							*****			*****							******	
Likelihood of Failure & Impact	Negligible	Minor	nces of Failur																		
	Negligible		Significant		_							******									
Very likely	Low	Moderate	High	Extreme						******								1			
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Notes, explanation	5			СШМВ	to	R	STI	241	Tue	8-A-	LT	Det	Fee	TS) ow
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None Low Moderate High Extreme Recommended inspection interval 2 Y CARS **Overall residual risk**

Data 🖾 Final 🗆 Preliminary Advanced assessment needed 🖾 No 🗆 Yes-Type/Reason _

Inspection limitations 🖾 None 🖾 Visibility 🗆 Access 🗆 Vines 🔤 Root collar buried Describe ____

ISA Basic Tree Risk As	sessment	t Fo	orn	n			
Client DAVE CUTRIGHT	Date 6/2/	202	2	Tin	ne 12:30	pm	
Address/Tree location 7655 SE 140TH ST MERCER ISL WA	Tree	10. 3			Sheet	of]
Tree species DOUGLAS FIR dbh 27"	Height 65		Crow	n spr	ead dia.35	5	
Client <u>DAVE</u> (UTRIGHT Address/Tree location <u>7655 SE 140TH ST MERCER 15L WA</u> Tree species <u>DAUGLAS FIR</u> Assessor(s) <u>ANDREWRAINES</u> Tools used <u>V</u>	SUAL			Time	frame 2	VEA	RS
Target Assessment							
Target description	Target protection		Target within as 1 x Ht.		Occupancy rate 1-rare 2 - occasional 3 - frequent 4 - constant	Practical to move target?	Restriction practical?
1 FENCE	NO	X	X	X	4	N	N
2 HOUSE	ИО			X	4	N	N
3							
4							
Site Factors							
History of failures LIMB	Topography	Flat	Slope	2	5 %	Aspect	
Site changes None 🖾 Grade change 🗆 Site clearing 🗆 Changed soil hydrology 🗆 Roo							
Soil conditions Limited volume □ Saturated □ Shallow □ Compacted ⊠ Pavement	over roots 🗆9	6 Desc	ribe ‡	DRY	3 HARD		
Prevailing wind direction <u>5</u> № Common weather Strong winds Ice Snow I	∃ Heavy rain 💆 Des	cribe_			1		
Tree Health and Species							
Vigor Low Normal High Foliage None (seasonal) None (dead Pests/Biotic Abiotic Abiotic	D Normal <u>95</u> 9	6 Cł	hloroti	c_1_	_% Nec	rotic	9 %
Pests/Biotic Abiotic Species failure profile Branches ☑ Trunk □ Roots □ Describe BPAG	NCH FAILURE						
Load Factors							
Wind exposure Protected Partial Vind Full Wind funneling	Relative	e crowi	n size	Small	D Mediur	n 🗆 La	arge 🕅
Crown density Sparse⊠ Normal □ Dense □ Interior branches Few⊠ Normal □	Dense Vines/M	istleto	e/Mos	s 🗆 _			
Recent or expected change in load factors							
Tree Defects and Conditions Affecting the	E Likelihood of Failu	ire					_
— Crown and Branch							
Dead twigs/branches % overall Max. dia Codom Broken/Hangers Number Max. dia Weak a Over-extended branches Max. dia Weak a Pruning history Previou Dead/N Crown cleaned Thinned Raised Dead/N Reduced Topped Lion-tailed Conks Flush cuts Other Respon Respon	ttachments s branch failures flissing bark Cankers Heart se growth	5 (¢ ″ :/Galls/E wood c	Burls 🗆 Jecay 🛛	Cavit Simil Sapv	Include y/Nest hole ar branches p wood damage	ed bark % ci present e/decay	□ irc. □
Condition (s) of concer	TOPIED L	2-21	0 10	ARS	A190		-
Part Size 37 - 9" Fall Distance 50 - 60 F7 Part Size Load on defect N/A I Minor Moderate Significant I Load on	e 14 - 20" defect N/A od of failure Improbab	N	1inor [oderate 🕅 Sig	gnificant	
— Trunk —	- Roots	and R	Root	Colla	ar —		\leq
Codominant stems Included bark Cracks Dead Sapwood damage/decay Cankers/Galls/Burls Sap ooze Ooze Lightning damage Heartwood decay Conks/Mushrooms Cracks Cavity/Nest hole % circ. Depth Poor taper Root pl Lean % Corrected? NO Response Response	 Cut/Damaged r ate lifting se growth ———— 	ay 🗆 oots 🗆	Di	(stance	Conks/Mush Cavity 🗆 from trunk Soil wea	rooms % ci akness	пс.
Condition (s) of concern Condition	on (s) of concern <u>Pe</u> re <u>WHOLE</u> TPE						
Load on defect N/A 🖾 Minor 🗆 Moderate 🗆 Significant 🗆 Load or	defect N/A od of failure Improbab	N	1inor [oderate 🖾 Sig	nificant	

				Risk Cat	egoi	izat	ion														
					\vdash	Fail	ure			Likel Imp		bd			& Im		Cor	nseq	uen	ces	
Target (Target number or description)	of concern			Improbable	Possible	Probable	Imminent	Very low	Low	Medium	High	Unlikely	Somewhat	likely Likely	Very likely	Negligible	Minor	Significant	Severe	Risk rating (from Matrix 2)	
FENCE	- TOPS		STRUCT		F	X			X			X	X	X			X			X	LOW
			DEFE	as																	
Fence		Т	old Be	CAYED		X					X		X				X				LOW
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Matrix I. Likelihood	matrix														1		1	1	ĩ		1 1
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Likelihood of Failure Very	low Lo	Likelihood o	Medium	High									*****							*****	
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Matrix 2. Risk rating	matrix.																	_			
Likelihood of		Conseque	nces of Failure								*****				*****						
Failure & Impact	Negligible	Minor	Significant	Severe																	
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	k Assessment Form
Client DAVG CUTPIGHT	Date 4 21 2022 Time 11:45
Client <u>DAVG (UTP-IGHT</u> Address/Tree location <u>7055 SE YOTH ST. MERCER 1</u>	SLAND, WK Tree no. Sheet of
Tree species GRAND FIR dbh_ Assessor(s) ANDREW RAINES Tools	B Height 70 Crown spread dia. 30 FT
Assessor(s) ANDREW RAINES Tools	used VISUAL Time frame
Target A	
Target description	Target zone Occupancy Target vithin Indip line 1.55 kt vithin Int ktinin 1.55 kt vithin Int ktin 1.55 kt vithin <t< th=""></t<>
1 HOUSE	NONE XX Y N N
2	
3	
4	
Site F	actors
History of failures	Topography Flat Slope 🖞 _ 16 % Aspect
Site changes None 🖾 Grade change 🗆 Site clearing 🗆 Changed soil hydro	
Soil conditions Limited volume \Box Saturated \Box Shallow \Box Compacted \Box	Pavement over roots 🗆% Describe
Prevailing wind direction $\leq \aleph$ Common weather Strong winds \Box loss	□ Snow □ Heavy rain ☑ Describe
Tree Health an	d Species Profile
Vigor Low ☑ Normal □ High □ Foliage None (seasonal) □ N Pests/Biotic	lone (dead) ロ Normal <u> </u>
Pests/Biotic	SE
Load	Factors
Wind exposure Protected □ Partial ☑ Full □ Wind funneling □	
Crown density Sparse ☑ Normal □ Dense □ Interior branches Few 🖄	Normal Dense Vines/Mistletoe/Moss 🖄 199
Recent or expected change in load factors Tree Defects and Conditions At	fecting the Likelihood of Failure
— Crown and	Branches -
	Cracks Lightning damage Codominant Included bark Weak attachments Cavity/Nest hole% circ. Previous branch failures Similar branches present Dead/Missing bark Cankers/Galls/Burls Sapwood damage/decay Conks Heartwood decay
Condition(s) of concern
Part Size Fall Distance Load on defect N/A Image: Minor Moderate Significant Likelihood of failure Improbable Possible Probable Imminent	Part Size Fall Distance Load on defect N/A Minor Moderate Significant Likelihood of failure Improbable
—Trunk —	- Roots and Root Collar -
Dead/Missing bark Abnormal bark texture/color Codominant stems Included bark Cracks Sapwood damage/decay Cankers/Galls/Burls Sap ooze Lightning damage Heartwood decay Conks/Mushrooms Cavity/Nest hole % circ. Depth Poor taper Lean ° Corrected?	Collar buried/Not visible Depth Stem girdling Dead Decay Conks/Mushrooms Ooze Cavity % circ. Cracks Cut/Damaged roots Distance from trunk Root plate lifting Soil weakness Response growth Condition (s) of concern Fall Distance
Load on defect N/A Minor Moderate Significant Likelihood of failure Improbable Possible Probable Imminent	Load on defect N/A Minor Moderate Significant Likelihood of failure Improbable Possible Probable Imminent

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			Risk	Catego	rizat	ion														
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Targ			Condition(s)		Fail	ure			Imp	act				& Im Matrix	pact	Co	nsec	luen	ces	
(Target r or descri		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)
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Likelihood			ood of Impact																****	
of Failure	Very low	Low	Medium Hig	h		390						******			*****					

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	ices 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

NO	155UES	BESIDES	DEADWOOD	AND
104				

1	V

Mitigation	options

1. DEADWOOD, AND REMOVE IVY	Residual risk NONE
2	Residual risk
3	Residual risk
4	Residual risk
Overall tree risk rating	
Overall residual risk 🛛 None 🖄 Low 🗆 Moderate 🗆 High 🗆 Extreme 🗆 🛛 Recommended inspection inter	val
Data 전 Final	
Inspection limitations 🖾 None □Visibility □Access □Vines □Root collar buried Describe	

North

ISA Basic Tree Risk A						
Client DAVE WTRIGHT	Date(2/2/	12022	ZTii	me_12!	50 P	M
Client DAVE WTRIGHT Address/Tree location 7655 SE 1407H ST MERCED ISL I Tree species GRAND FIR dbh 8" Assessor(s) ANDREW RAINES Tools used	Tree Tree	no. 5		Sheet	of	1
Tree species <u>GRAND FIR</u> dbh <u>8"</u>	Height <u>45</u> "	C	rown sp	read dia. 2	0	
Assessor(s) ANDREW RAINES Tools used	VISUAL		Tim	e frame 2	YEA	RS
Target Assessn						
ъ			tzone			
	- 5 Sec. 13	thin e	hin '	Occupancy rate	to get?	5
Target description	Target protection	t wit t wit	X Ht.	1-rare 2-occasional	ical tar	ictio
Target description		arge dri arge	1 × Ht. Target within 1.5 × Ht.	3 – frequent 4 – constant	Practical to move target?	Restriction practical?
1 POWERLINES	VICE			1.		
2	YES		XX	4	N	N
3						
4						
Site Factors						
History of failures						and the second se
Site changes None ☑ Grade change □ Site clearing □ Changed soil hydrology □						
Soil conditions Limited volume Saturated Shallow Compacted Pavem	ent over roots 🗆 🔤	% Describ	be			
Prevailing wind direction $\leq \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! $	ow 🗆 Heavy rain 🖾 De	scribe				
Tree Health and Spec	ies Profile					
Vigor Low □ Normal Ø High □ Foliage None (seasonal) □ None (o	dead) D Normal <u>98</u>	% Chlo	orotic	% Nec	rotic /	0 %
Pests/Biotic Abiotic Species failure profile Branches ☑ Trunk □ Roots □ Describe ①156KSE	:					
Load Factor				1		
Wind exposure Protected ☑ Partial □ Full □ Wind funneling □						
Crown density Sparse □ Normal ☑ Dense □ Interior branches Few □ Norm	nal 🖾 Dense 🗆 Vines/N	listletoe/	Moss 🖗	IUY		
Recent or expected change in load factors						
Tree Defects and Conditions Affectin	g the Likelihood of Failu	ıre				
— Crown and Bra	nches —					
Unbalanced crown D LCR 70%	acks 🗖			Lightning o	lamage	
Dead twigs/branches 2 30 % overall Max. dia. (Co	odominant 🗆			Includ		
bloken/hangers humber Iviax. dia W	eak attachments 🛛		Cav			
Pri	evious branch failures		Sim	ilar branches	present	
De	ad/Missing bark Canker					
	nks 🗆 Heart			-		
	sponse growth					
Condition(s) of co	ncern					
						_
	rt Size			stance		_
	ad on defect N/A			loderate □ Si		
Likelihood of failure Improbable Possible Probable Imminent Like	elihood of failure Improbab	DIELI Poss	ible 🗆 Pr	obable 🛛 In	nminent	\square
—Trunk—	- Roots	and Ro	ot Col	lar —		
Dead/Missing bark Abnormal bark texture/color Co	llar buried/Not visible 🗆	Depth		Stem	girdling	
				Conks/Mush	-	
	-			Cavity		
Lightning domago I Heartwood doogy I Coole (Mushrooms I		a ata 🗖				
Cavity/Nest hole % circ Donth Door tapor M	,		Distanc			
Lean ° Corrected2	ot plate lifting 🗆			Soil we		
Response growth Re	sponse growth					
Condition (s) of concern Co	ondition (s) of concern					_
	rt Size		Fall Dista	ance		
	ad on defect N/A			loderate 🗆 Si	-	
	elihood of failure Improbat	POSS	ible L Pr	obable 🗆 In	iminent	<u> </u>
					-	

					Risk Cat	egor	rizat	ion														
											Likel	ihoc	d	E . 11				Co	nseq	uon		
Target				Condit	ion(s)		Fail	ure			Imp	act				& Im Aatrix			iseq	uen	Les	
(Target number or description)	Tre	e part		of con		Improbable	Possible	Probable	Imminent	Very low	Low	Medium	High	Unlikely	Somewhat	Likely	Very likely	Negligible	Minor	Significant	Severe	Risk rating (from Matrix 2)
POWERLINES						Х				χ				X				X				LOW
	TOP			POOR									199									
				TAPER	2																	
																						51.17
	1																					
			_					┝										-				
	_					_		⊢														
	-					_	⊢	-					_								_	
			+	2010-00-00-00-00-00-00-00-00-00-00-00-00-			\vdash		\square						-	H	-	-				
	-					H		-	\square			-									-	
				-			-			· · · · · · · · · · · · · · · · · · ·												
Matrix I. Likelihood	matrix.	1 *1 1*1						•						*****								
Likelihood of Failure Very	low Lo	Likelih		of Impact Medium	High					-	******			*****								
Imminent Unlik		nat likely		Likely	Very likely						•••••••											
Probable Unlik		ikely		ewhat likely	Likely						*****				-							
Possible Unlik		ikely ikely		Unlikely Unlikely	Somewhat lik Unlikely	eiy																
Matrix 2. Risk rating	matrix.																					
Likelihood of		Conse	equei	nces of Failure	9							*****										
Failure & Impact	Negligible	Min		Significant							1008											
Very likely Likely	Low	Mode		High High	Extreme High							****								+		+
Somewhat likely	Low	Low		Moderate	Moderat	2													N	orth		
Unlikely	Low	Low	v	Low	Low													/				
Notes, explanatio	ns, descripti	ons															1					
SPECIES	PRONE	TO 1	DIS	EASE																		
		NAMES I															1					
									_	Ϊ				5			1					
Mitigation option	S PEY	NOVE	IUY	1																	and the second second	
1. KEEP A	NEYE	DUT	FC	R DIE	BACKA	D	41	NUS	sur	N	GR	200	ITC	5			R	esid	ual	risk	L	WC
2							D	93.97			0	199		<u>Dia</u>			_ R	esid	ual	risk	<u>.</u>	ovérsu i
3	<u></u>	<u></u>	<u></u>				<u>0</u>	2117	garl.		. 31	21	24	<u>6609</u>		0.4.2						
4			100			_											_ R	esid	ual	risk		
Overall tree risk ra Overall residual ri	-								Por		mo	adaa	line	nee	tion	int	-	12	15P	RS		
Data E Final Pre																						
			· , –			indi k	June		-301									-				

ISA Basic Tree Risk As	sessmen	t Fo	orr	n							
Client DAYE CUTRIGHT Address/Tree location 7655 SE 40TH ST WERCERISL, WA Tree species DOUGLAS FIR dbh 32" Assessor(s) ANDREW RAINES Tools used VIS	Date 6/21	122	-	Tir	ne_9:44	AM					
Address/Tree location 7655 SE 40TH ST WERCERISL, WA	Tree	no. (0		Sheet	of	d				
Tree species DOUGLAS FIR dbh 32"	Height 70F	T	Crow	vn spi	read dia. <u>५</u>	OFT					
Assessor(s) ANDEEN RAINES Tools used V13	UAL			Time	e frame						
Target Assessment											
			rget zo				ſ				
Target description	Target protection	Target within drip line	Target within 1 x 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	NOWE	X	X	X	4	N	N				
2 78TH AVE SE	NONE	Ι	X	Х	Ч	N	N				
3 POWERLINES	NONE		X	X	4	N	N				
4 CARS	NONE	X	X	X	3	Y	Y				
Site Factors	1.0.10		17		0		<u> </u>				
History of failures BROKEN BRANCHES ON HOUSE	Topography	Flat	1 Slope	N IN	10 %	Asnect					
Site changes None Grade change Site clearing Changed soil hydrology Roc	t cuts Describe	i fore and	. orope		///	aspece					
Soil conditions Limited volume Saturated Shallow Compacted Pavement		% Des	cribe	DRI	VEWAY						
Prevailing wind direction SW Common weather Strong winds Ice Snow	Heavy rain De	scribe									
Tree Health and Species I											
Vigor Low Normal High K Foliage None (seasonal) None (dead)		26 C	hlorot	ic	% Nec	rotic	5 %				
Pests/Biotic Abiotic						iouc _	//				
Pests/Biotic Abiotic Species failure profile Branches ☑ Trunk □ Roots □ Describe_ HEAVY BRANCE	FAILURE		<u>.</u>								
Load Factors											
Wind exposure Protected Partial Full Wind funneling	Relative	e crow	n size	Smal	I Mediu	n 🗆 La	arge				
Crown density Sparse Normal Dense A Interior branches Few Normal	Dense Vines/M	listleto	e/Mo	ss 🗆 🔤							
Recent or expected change in load factors											
Tree Defects and Conditions Affecting the	Likelihood of Failu	ıre									
— Crown and Branch	es —										
Dead twigs/branches B. % overall Max. dia Codom Broken/Hangers Number Max. dia Weak a Over-extended branches A. Previou Dead/M Pruning history Dead/M Dead/M Crown cleaned Thinned Raised Dead/M Reduced Topped Lion-tailed Dead/M Flush cuts Other Respon Respon	tachments s branch failures lissing bark Cankers Heart Se growth	BRA Galls/ wood WRE WASHIN	YBURIS E decay PUW WG	Cavi Simi Sap CAU CAU	Includ ty/Nest hole lar branches wood damag RUNG K S stance S oderate Si	ed bark % c present e/decay 0 0 F					
— Trunk —	— Roots						2				
Dead/Missing bark Abnormal bark texture/color Codominant stems Included bark Cracks Sapwood damage/decay Cankers/Galls/Burls Sap ooze Sapwood damage/decay Cankers/Galls/Burls Sap ooze Lightning damage Heartwood decay Conks/Mushrooms Cavity/Nest hole % circ. Depth Poor taper Cavity/Nest hole % circ. Depth Poor taper Lean % circ. Depth Poor taper Condition (s) of concern Converted? NO Part Size Fall Distance Fall Distance Fall Distance Load on defect N/A Minor Moderate Significant Likelihood of failure Improbable Possible Probable Imminent											

		and the second		Risk Categ	ori	izati	on															
			6						I	Likel	ihoo	d					1.25	- 11				
Targe	et		Candi	Han (a)	- 1	Failu	ire		Impact				Failure & Impact (from Matrix 1)				Cor	nseq	uen	ces		
(Target n or descrip	umber	Tree part	Condi of co	ncern	Improbable	Possible	Probable	Imminent	Very low	Low	Medium	High	Unlikely	Somewhat	Likely	Very likely	Negligible	Negligible Minor Significant Severe		Risk rating (from Matrix 2)		
HOUSE		BRANCHES	OVEDU	Jelghted			X				V.	Х			X				X		HIGH	
CARS		DAnterio	0	NDED			X					X			Х				Х		HIGH	
10			EAIL				X															
HOUSE	· · · · · · · · · · · · · · · · · · ·	POOT					X					X			X				X	X	HIGA	
STREE	F	RODT	ROOT	WITH			X				X	X		X						X	MOD	
POWERL		BASE	GIRPLI	NG			X				X			X						Â	MOD	
CAR		N 11	PAVED ROOT GIRDLI FULL TRE	EFAILT			X				X			Х						X	MOD	
			a land there																			
			and District																			
				T I																		
										-												
Matrix I. Likel	ihood matı																					
Likelihood		1	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	Y																	
Improbable	Unlikely	Unlikely	Unlikely	Unlikely			•										1				1	

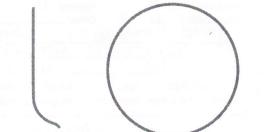
Matrix 2. Risk rating matrix.

Likelihood of	Consequences 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

BASE OF TREE SHOWS SIGNS OF ROOT DAMAGE
ISSUES (FLAT SIDEDS OF TREE BAS). HEAVY
OVEREXTENDED LIMBS AND CO-DOMINANT
TOPS HERE PRONE TO FAILURE

North



Mitigation options

1. SNAG OR REMOVAL WITH RUPLANTS OF SMALL TREES LLIMITED SPACE	Residual risk NONE
2	Residual risk
3	Residual risk
4	Residual risk
Overall tree risk rating Low Moderate High X Extreme Overall residual risk None X Low Moderate High Extreme Recommended inspection interview	rval NONE
Data 🖾 Final 🗖 Preliminary Advanced assessment needed 🖾 No 🗆 Yes-Type/Reason	
Inspection limitations 🖾 None 🗆 Visibility 🗆 Access 🗆 Vines 🗖 Root collar buried Describe	and a second

SA Basic Tree Risk A	Assessment	t Fo	orr	n			
Client DAVE CUT RIGHT Address/Tree location 7655 SE 40TH ST MERCER ISL, WH Tree species DOUGLAS FIR dbh 36" Assessor(s) ANDREW RAINES Tools used	Date 6/21/	202	2	Tir	ne9:151	tm	
Address/Tree location 7655 SE 40th ST MERCER ISL, WH	A Tree	no. 7			Sheet	of	
Tree species DOUGLAS FIR dbh 36"	Height 60 F	Г	Crov	vn spr	ead dia. 5	OFT	
Assessor(s) ANDREW RAINES Tools used	VISUAC			Time	e frame 2	YEA	RS
Target Assessn	nent						
			rget zo				
Target description		e	Target within 1 x Ht.	Target within 1.5 x Ht.	Occupancy rate	Practical to move target?	5.0
Target description	Target protection		et wit X Ht.	it wit	1-rare 2-occasional	rical e tar	ictio
		Targe	Targe	Targe 1.5	3 – frequent 4 – constant	Pract	Restriction practical?
1 HOUSE	SOME	·	X	X	4	N	N
2 7BTH AVE SE	NO	X	V	X	4	N	N
3 POWERLINES	NO	X	X	X	4	N	N
4							
Site Factors		1					L
History of failuresLIMB 5	Topography	Flat	Slope	2	0-35%	Aspect	01,000,000
Site changes None ☑ Grade change □ Site clearing □ Changed soil hydrology □ Soil conditions Limited volume □ Saturated □ Shallow □ Compacted ☑ Pavem	ent over roots 50	% Des	cribe	PRIVE	EWAY		
Prevailing wind direction $\underline{\mathcal{S}}\mathcal{W}$ Common weather Strong winds \blacksquare Ice \square Sn	ow 🗆 Heavy rain 🖾 Des	scribe					
Tree Health and Spec							
Vigor Low Normal High Foliage None (c Pests/Biotic Abiotic Abiotic	dead) Normal <u>93</u>	% С	hlorot	ic	% Neo	rotic _	7_%
Species failure profile Branches ⊠ Trunk□ Roots□ Describe HEAVY BP	CANCH FAILURE						
	S		-				
Wind exposure Protected Partial 🖾 Full D Wind funneling D	Relative	e crow	n size	Smal	I Mediu	m 🗆 La	arge 🖾
Crown density Sparse □ Normal □ Dense ⊠ Interior branches Few □ Norm	nal 🖾 Dense 🗆 Vines/M	listleto	e/Mo	ss 🗆 _			
Recent or expected change in load factors							
Tree Defects and Conditions Affectin	g the Likelihood of Failu	ıre					
— Crown and Bra	nches —						
	acks 🛛	1.0	1		Lightning o	lamage	
Broken/Hangers Number May dia	dominant D TOP WIT					ed bark	
Over extended branches X	eak attachments 🛛 evious branch failures 🔟 🚄		,	Cavi	ty/Nest hole	%c	irc.
I Pruning history	evious branch failures 🕰 🚊						
Crown cleaned Lininned Li Raised	onks Heart					. ,	
Reduced I Topped I Lion-tailed I	sponse growth						
ONLY HEAVY LIMBS ON TREE Condition(s) of co	ncern						
	rt Size 8-10" TOP						_
	ad on defect N/A welihood of failure Improbat						
-Trunk-	- Roots				`		\prec
Y	ollar buried/Not visible					من والنه م	_)
		ay 🗖			Conks/Musł	girdling	Sec. 2. 1
	oze 🔀				Cavity		
	acks 🛛 🛛 Cut/Damaged r						
Cavity/Nest hole% circ. Depth Poor taper D	oot plate lifting 🖾			istallu	Soil we		
Lean 33 ° Corrected? YES	esponse growth ENLAR	GED	BA	SE	SOIL WE	anness	-
Response growth BURL & BASE W/ CREESING GAP 0022 Re	andition (s) of concern 70	SIB	IE	Del	AVPI	BASE.	7
Condition (s) of concern AND SAP DOZ FROM TOP DOWN CO	multion(s) of concern 19	R	2007	AR	GA		- 1
Part Size WHOLE TREE Fall Distance WHOLE TREE Pa	ndition (s) of concern PO		Fal	l Dista	ince WAOLE	TREE	
	ad on defect N/A 🗆					-	
Likelihood of failure Improbable Possible Probable 🗹 Imminent 🗆 👌 Lik	elihood of failure Improbat	le 🗆 P	ossible	D Pro	obable 🕅 In	minent	

. . .

		Risk Cat	egor	izat	ion														
Target				Fail	n.e			Likel Imp	ihoo act	d		ure &		pact	Coi	nseq	lnen	ces	
(Target number or description)	Tree part	Condition(s) of concern	Improbable	Possible	Probable	Imminent	Very low	Low	Medium	High	Unlikely	Somewhat	Likely	Likely Very likely Negligible		Minor	Significant	Severe	Risk rating (from Matrix 2)
HOUSE	BRANCHES	OVERWEIGTED	X		X		Х				X						Х		LOW
STREET	3	man per per tradición de			X				10	X			X				Х		HIGH
POWERLINES	TOPS	FAILURE		200	X					X			X				X		HIGH
Haise	BASE	INTERNAL	2	X	X		X				X							X	LOW
STREET	BASE Z	DECKY OR			X					X			X					X	HIGH
POWERLINES	ROOTAREA	STRUCTURAL DEFECT			Х					X			Х					X	4164
								-											
																~			
		Man A cores																	
								-											

Matrix I. Likelihood matrix.

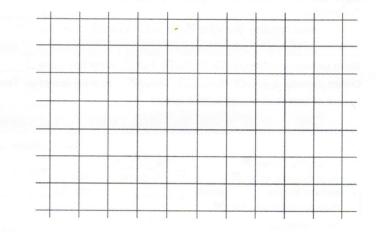
Likelihood	Likelihood of Impact											
of Failure	Very low	Low	Medium	High								
Imminent	Unlikely	Somewhat likely	Likely	Very likely								
Probable	Unlikely	Unlikely	Somewhat likely	Likely								
Possible	Unlikely	Unlikely	Unlikely	Somewhat likely								
Improbable	Unlikely	Unlikely	Unlikely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

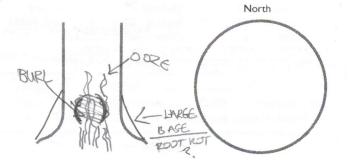
Matrix 2. Risk rating matrix.

Likelihood of		Consequer	ices 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

C	RUES	TONALE	BASE	OF 7	FREE	AND	IN
P	DOR	CONDITI	DNS. A	LSO,	All	LIMB	WEIGHT
1:	5 01	IEREXT	NDED	AUD	HEA	VY.	





Mitigation options

1. SNAG OR REMOVAL WITH REPLANTS OF SMALL TREES (HMITED ARE)	Residual risk NOW Residual risk
3	Residual risk
4	Residual risk
Overall tree risk rating Low D Moderate D High 🔀 Extreme D	
Overall residual risk None 🗷 Low 🗆 Moderate 🗆 High 🗆 Extreme 🗆 Recommended inspection int	erval NONE
Data 🖾 Final 🗆 Preliminary Advanced assessment needed 🖾 No 🗆 Yes-Type/Reason	Service Market
Inspection limitations None Usibility Access Vines Root collar buried Describe	Marine and an end of the

ISA Basic Tree Risk As					2	,	
Client <u>PAVE CUT RIGHT</u> Address/Tree location 7655 SE 40TH ST MERCER 15L, W	Date 0/21	122	-	Tin	ne;41	PAN	٨
Address/Tree location 7655 55 4074 SI MERCER 13L, W	Tree	no. <u>°</u>	3		_ Sheet	of	1
Tree speciesDOMGLASFIRdbh_15"Assessor(s)ANDREWRAINESTools usedVI	Height <u>10P</u>	7	Crov	vn spr	ead dia.	VITA	100
				_ I ime	e frame	TEA	(K)
Target Assessment	1	1					
Target description	Target protection		Target within a tage 1 x Ht.		Occupancy rate 1-rare 2 - occasional 3 - frequent 4 - constant	Practical to move target?	Restriction practical?
1 Hause	NONE		Ŷ	X	4	N	N
2 78TH AVE SE 3 SE 40TH ST	NONE	X	X	X	Y	W	N
3 POWERLINES	NONE	X	X	X	4	N	N
4							
Site Factors				· · · · ·			
History of failures BROKEN TOP AND LIMBS	Topography	Flat	Slope	10	> %	Aspect	
Crown cleaned A Thinned A Raised A Dead/N Reduced D Topped D Lion-tailed Conks Flush cuts D Other POWERUNE SIDE TRIM AEAVY UMB WEIGHT ON ONE Condition (s) of concern SIDE OF TREE	Profile Profile Normal <u>90</u> Relativ Relativ Dense Vines/N ELikelihood of Fail Des — D D D D D D D D D D D D D D D D D D D	% C e crow listleto ure 5-DDV 5/Galls/ twood f twood f twood f	hlorot m size pe/Mo 1 To /Burls I decay	Smal Smal ss □ ss □ Cavir Simi Sapr Sapr Sapr Sapr Sapr Sapr Sapr	% Nec % Nec I □ Mediun Lightning c D = I Includ ty/Nest hole_ lar branches wood damag	damage ed bark %c present e/decay	
	n defect N/A od of failure Improba					-	- 1
-Trunk -	- Roots	and	Root	Coll	2r		\prec
Dead/Missing bark Abnormal bark texture/color Collar b Codominant stems Included bark Cracks Dead Sapwood damage/decay Cankers/Galls/Burls Sap ooze Dead Lightning damage Heartwood decay Conks/Mushrooms Cracks Cavity/Nest hole % circ. Depth Poor taper Root pl Lean Corrected? No Root pl Response	buried/Not visible Dec Cut/Damaged late lifting nse growth ion (s) of concern Ne	Dep cay roots AR	pth	vistance	Stem Conks/Mush Cavity e from trunk Soil we	% c	irc.

											_	Likel	lihoo	bd	-								
Targ	and the second second second second				Condi	tion(s)		Fail	ure			Imp	act			ure &			Co	nseq	uen	ces	
(Target) or descri		Tree	e part		of co		Improbable	Possible	Probable	Imminent	Very low	Low	Medium	High	Unlikely	Somewhat	Likely	Very likely	Negligible	Minor	Significant	Severe	Risk ratin (from Matrix
HOUSE		10HO	£.		FAN	AND	Х		X		X				Х							X	Low
STREET	-	WHOL			LEAN GOIL (8	NDITION			Х					X			V					X	HIG
POWER	UNES				5010				X					X			X					X	414
HOUSE		LAR	SE		OVERL	VEIGHTED	X				X				X						X		LOV
STREE		BRAN			DONNE	VEIGHTED HES			X					X			X				X		HIG
POWER	LINES	peri			BRAIN				X					Х			Х				X		416
																				Ц			
																				Ц			
				_																			
																				Ц			George .
																	_			\square		_	
atrix I. Like	lihood mat	rix.										*****				ļ			*****			*****	_
Likelihood			Likelih	ood c	of Impact																		
of Failure	Very low	Lo			Medium	High										-	*****						
Imminent Probable	Unlikely Unlikely	Somewh Unlik		Som	Likely ewhat likely	Very likely Likely			~										*****				
Possible	Unlikely	Unlik			Unlikely	Somewhat like	ly		-			*****										******	
mprobable	Unlikely	Unlik	ely		Unlikely	Unlikely			-			~~~~~								-		*****	
latrix 2. Risk	rating mat	rix.				- 20100238	_								*****							*****	
Likelihood				-	nces of Failure																		
Failure & In		egligible	Mine		Significant																		
Very like Likely	iy .	Low	Mode: Mode:		High High	Extreme High			00											-			
Somewhat	likely	Low	Low		Moderate	Moderate														No	rth		
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Inspection limitations

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Image: Protection Target description Target protection Image: Protection I	Target Assessment								
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3 POWERLINES No X X Y N 4		NO	X	X	\times	4	Ν	2	
a	2 SE YOTA \$ 78TH AVE SE	NO	X	X	\times	4	N	N	
Site Factors History of failures <u>PLOKEN TOP AND BLOKEN LIMPES</u> Topography FlatE Slope: % Aspect Site changes None B. Grade change: Situ clearing: Compacted D Parement over roots: D Secribe	3 POWERLINES	No	\times	X	\times	4	N	N	
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Soil conditions Limited volume									
Prevailing wind direction ≤ /									
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Load Factors Wind exposure Protected Partial Full Wind funneling Relative crown size Small Medium & Large Crown density Sparse Normal Dense Interior branches Few Normal & Dense Vines/Mistletoe/Moss	Vigor Low Normal High Foliage None (seasonal) None (dead Pests/Biotic Abiotic) Normal <u>95</u>	% C	hlorot	tic	% Neo	crotic 2	5%	
Wind exposure Protected Partial Pulle Wind funneling	Species failure profile Branches Trunk Roots Describe HEAVY BRAN	HES FAIL			/				
Crown density Sparse Normal Dense Interior branches Few Normal Dense Vines/Mistletoe/Moss Recent or expected change in load factors									
Tree Defects and Conditions Affecting the Likelihood of Failure Included factors Unbalanced crown.B LCR 25 % Dead twigs/branches B 5 % overall Max. dia. Carks.D Lightning damage Over-extended branches.B Max. dia. Codominant Included bark Kark attachments Carkty/Nest hole% circ. Pruning history Crown cleaned -DS Thinned M Raised B Condition (S) of concern Sapwood damage/decay Conks Max. dia. Conks Dead/Missing bark Cankers/Galls/Burls Sapwood damage/decay Conks Max. dia. Dead/Missing bark Conks Max. dia. Conks Dead/Missing bark Conks Max. dia. Dead/Missing bark Conks Max. dia. Conks Dead/Missing bark Fail Distance Dead/Missing bark Fail Distance Colder to the probable Fail Distance Dead Colder to the probable Significant Load on defect N/A Minor Moderate& S								-	
Tree Defects and Conditions Affecting the Likelihood of Failure Unbalanced crown II LCR 25 % Dead twigs/branches II S% overall Max. dia. 1" Broken/Hangers Number Over-extended branches.III Max. dia. Pruning history Cavity/Nest hole% circ. Crown cleaned.FX Thinned IX Reduced Topped Lion-tailed Condition(s) of concern Plush cuts Other POWERLINE SIDE TELIM Response growth Condition(s) of concern Outer And Dumber Minor Minor Moderate IX significant Likelihood of failure Improbable Part Size Cankers/Galls/Burls Sapwood damage/decay Conks/Mushrooms Cavity/Nest hole Sapo oze Lightning damage Heartwood decay Conk/Subshrooms Condition (s) of concern Cavity/Nest hole Soil weakness M Sapwood damage/decay Conks/Mushrooms Cavity/Nest hole Keir. Sapwood damage/decay Conks/Mushrooms Cavity/Nest hole % circ. <		Dense Vines/N	listleto	e/Mo	ss 🗆 -				
Unbalanced crown I LCR 25 % Dead twigs/branches II 5 % overall Max. dia.		e Likelihood of Failu	ure						
Dead twigs/branches IS 3 % overall Max. dia. ////////////////////////////////////	— Crown and Branch	ies —							
Dead/Missing bark Abnormal bark texture/color Codominant stems Included bark Cracks Sapwood damage/decay Cankers/Galls/Burls Sap ooze Lightning damage Heartwood decay Conks/Mushrooms Cavity/Nest hole % circ. Depth Distance from trunk Lean % corrected? Soil weakness Soil weakness Response growth	Dead twigs/branches 3 % overall Max. dia. Codom Broken/Hangers Number Max. dia. Weak a Over-extended branches Max. dia. Weak a Pruning history Crown cleaned Thinned Raised Dead/M Crown cleaned Thinned Raised Dead/M Dead/M Reduced Topped Lion-tailed Conks Flush cuts Other POWERLINE SIDE TRIM Respon OVERTRIMED AND Condition (s) of concer Part Size Weak a Part Size Fall Distance Condition (s) of concer Part Size Fall Distance Confiction (s) Part Size Load on defect N/A Minor Moderate Significant Load on	ninant □ httachments □ us branch failures ⊠ 2 Missing bark □ Canker □ Heart ise growth nLIM B B ze <u>Y - G ″</u> n defect N/A □	-, Y" s/Galls/ twood of p. R.C. A	LINB 'Burls I decay	_ Cavi ≤ Simi □ Sap □ = = = = Fall Dis	Includ ty/Nest hole ilar branches wood damag stance oderate 🖾 Si	ed bark % c present e/decay gnificant		
Codominant stems Included bark Cracks Sapwood damage/decay Cankers/Galls/Burls Sap ooze Lightning damage Heartwood decay Conks/Mushrooms Cavity/Nest hole % circ. Depth Weak condition (s) of concern Point Size Part Size Fall Distance	(
Likelihood of failure Improbable Probable Probable Imminent	Codominant stems Included bark Cracks Dead Sapwood damage/decay Cankers/Galls/Burls Sap ooze Ooze Lightning damage Heartwood decay Conks/Mushrooms Cracks Cavity/Nest hole % circ. Depth Poor taper Root pl Lean ° Corrected? Response growth Condition (s) of concern Part Size Part Si Load on defect N/A X Minor Moderate Significant Load on		roots C Fee EE] [T - Fal Minor	Distanc	Conks/Mush Cavity [] e from trunk Soil we Om GQ ance oderate [] Si	akness	□ irc.	

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			Condit	tion(s)		Failu	ire			Imp	act				& Im Natrix		0	iseq	luen	ces	
(Target number or description)	Tree	e part	of con		Improbable	Possible	Probable	Imminent	Very low	Low	Medium	High	Unlikely	Somewhat	Likely	Very likely	Negligible	Minor	Significant	Severe	Risk rating (from Matrix
House	-	ICITE	DVERSI	ZED			X		Х				X					-	X		Low
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Possible Unlike Improbable Unlike Matrix 2. Risk rating m Likelihood of Failure & Impact Very likely	ly Unlik natrix. Negligible Low	Consequ Minor Moderate	Unlikely ences of Failure Significant High	Unlikely Severe															orth		

Overall tree risk rating		Low 🛛	Moderate 🛛	High 🕅	Extreme 🗖
Overall residual risk	None 🖾	Low 🗆	Moderate 🗆	High 🛛	Extreme 🛛

e	Recommended	inspection	interval	NONE

Data ⊠Final □ Preliminary Advanced assessment needed ⊠No □Yes-Type/Reason

Inspection limitations DNone Visibility Access Vines Root collar buried Describe

ISA Basic Tree Ris	/	1					
Client DAVE CUTRIGHT	Date2	1/20	22	Time	0:15	AM	
Address/Tree location 7655 SE 40TH ST MERCER	ISLIWA Tree	no.	0	S	Sheet	of	/
Tree species DOUGLAS FIR dbh 3	Height <u>75</u> #	T	_ Crow	n sprea	ad dia. 55	DFT	
Assessor(s) Tools u	used			Time f	rame	JEAL	5
Target As	sessment						
تى ت			rget zon				
Target description	Target protection	Target within drip line	Target within 1 x Ht.	Target within 1.5 x Ht. 1.5 x Ht.	rate 1-rare - occasional - frequent - constant	Practical to move target?	Restriction practical?
1 HOUSE	N.O	X	X	X	4	N	N
2 SE UDTH ST	NO	X	X	X	Ч	N	N
3						1	
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Site Fa	ctors	1	<u> </u>	L		L	
History of failures_HEAVY LIMBS	Topograph		Slopel		%	Asnect	
Site changes None Grade change Site clearing Changed soil hydrol							
Soil conditions Limited volume Saturated Shallow Compacted F							
Prevailing wind direction $\overline{\mathcal{IN}}$ Common weather Strong winds \square Ice							
Tree Health and		counde.					
Vigor Low D Normal D High D Foliage None (seasonal) N		% (bloroti	c	% Noc	rotic	0 0
Pests/Biotic						TOLIC	/
Species failure profile Branches ☑ Trunk □ Roots □ Describe	Y LIMBS		n. andered		1		
Load F							
Tree Defects and Conditions Aff		lure					
Unbalanced crown D LCR 40.%							_)
Dead twigs/branches \square <u>12</u> % overall Max. dia. <u>2</u>	Cracks						
Broken/Hangers Number 10 Max. dia. 2"	Weak attachments				Includ		
Over-extended branches 🕰	Previous branch failures						
Pruning history	Dead/Missing bark Canke						
Crown cleaned Thinned Raised Crown cleaned Topped Lion-tailed	Conks Hea						
Reduced Image: Topped Image: Lion-tailed Flush cuts Image: Other Image: Constraint of the second	Response growth						
LARGE OVEREXTENDED BRANCHES Condition(s)							
Part Size 6 - 10" Fall Distance 30 - 60 FT	Part Size		Fa	all Dista	nce		
Load on defect N/A Minor Moderate Significant Likelihood of failure Improbable Possible Probable Imminent	Load on defect N/A 🗹 Likelihood of failure Improb				erate 🗆 Si	0	
-Trunk -	— Roots						\preceq
Dead/Missing bark Abnormal bark texture/color	Collar buried/Not visible 🗆					airdling	. —
Codominant stems I Included bark C Cracks I					onks/Mush	girdling	
Sapwood damage/decay Cankers/Galls/Burls Sap ooze		cay 🗆					
Lightning damage Heartwood decay Conks/Mushrooms	Ooze		1		vity 🗆		
Cavity/Nest hole % circ. Depth Poor taper 🗆	Cracks Cut/Damaged	roots L	u Di	stance f			
Lean <u>88</u> ° Corrected? <u>Yes</u>	Root plate lifting 🗆				Soil we		
Response growth	Response growth						
Condition (s) of concern	Condition (s) of concern						
Part Size Fall Distance	Part Size		Fall	Distan	се <u>—</u>		
Load on defect N/A I Minor Moderate Significant Likelihood of failure Improbable Possible Probable Imminent Imminent	Load on defect N/A A Likelihood of failure Improb						

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Targe					Condit	ion(s)		Failu	ure			Imp	act			rom N					acti		
(Target nu or descrip		Tree	e part		of cor		Improbable	Possible	Probable	Imminent	Very low	Low	Medium	High	Unlikely	Somewhat	Likely	Very likely	Negligible	Minor	Significant	Severe	Risl ratir (from Matrix
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Failure & Im		egligible	Min		Significant				60														
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Inspection limitations 🖾 None 🗆 Visibility 🗆 Access 🗆 Vines 🔤 Root collar buried Describe ____

ISA Basic Tree Risk As						
Client DAVE (UTR) GHT Address/Tree location 7455 SE 40+4 ST MERCERFE, WA Tree species DOUGUNS FIR dbh 17 Assessor(s) ANDREW RAINES Tools used VIS	Date(21)	22	Tii	me_ (0:35	5 AM	
Address/Tree location 7455 SE 40+4 ST MERCERIGL, WA	Tree	no[]		_ Sheet	of	1
Tree species DOUGLAS FIR dbh 17	Height <u>95</u> F	тС	rown sp	read dia. $\underline{2}$	SFT	0
Assessor(s) ANDREW PAINES Tools used UIS	UAL		Tim	e frame <u>2</u>	. YEAH	RS
Target Assessment						
Target description	Target protection	Target within drip line Target within	1 x Ht. and a a a a a a a a a a a a a a a a a a	Occupancy rate 1-rare 2 - occasional 3 - frequent 4 - constant	Practical to move target?	Restriction practical?
1 HOUSE	NO)		7 V	U	N	N
2 STREET	YES		X	4	N	N
3			X	1	14	10
4			-			
Site Factors	•			L		
History of failures BROKEN LIMBS	Topography	Elat X SI		0/	Acnoct	
Site changes None Grade change Site clearing Changed soil hydrology Rod			open	70	Aspect	
Soil conditions Limited volume						
Prevailing wind direction \underline{SW} Common weather Strong winds $\underline{\boxtimes}$ Ice \square Snow [☐ Heavy rain ☐ De	scribe				
Tree Health and Species						
Vigor Low 🖾 Normal 🗆 High 🗆 Foliage None (seasonal) 🗆 None (dead) Normal (00	% Chlo	rotic	% Nec	rotic U	10 %
Pests/Biotic Abiotic Species failure profile Branches ☑ Trunk □ Roots □ Describe_ HEAVY_LIMB						
	FAILURE					
Load Factors						
Wind exposure Protected □ Partial □ Full ⊠ Wind funneling □						
Crown density Sparse A Normal Dense I Interior branches Few Normal Recent or expected change in lead for term	Dense Vines/N	listletoe/I	Moss 🗆			
Recent or expected change in load factors Tree Defects and Conditions Affecting the	e Likelihood of Failu	ure				
— Crown and Branch	es —					
Pruning history Previou Crown cleaned Thinned Raised Dead/N Reduced Topped Lion-tailed Conks	ttachments	s/Galls/Bur wood dec	Cav Sim ls	ilar branches wood damag	ed bark % ci present e/decay	irc.
Part Size Fall Distance Part Size	ze		Fall Di	stance		-
Load on defect N/A Minor Moderate Significant Load on	n defect N/A A not	Mino	or 🗆 M	oderate 🗆 Si	gnificant	
— Trunk —	- Roots	and Ro	ot Col	lar —		\leq
Codominant stems Included bark Cracks Dead Sapwood damage/decay Cankers/Galls/Burls Sap ooze Ooze Lightning damage Heartwood decay Conks/Mushrooms Cracks Cavity/Nest hole % circ. Depth Poor taper Root pl Lean % corrected? NO, GROWING_TOWARDS Condition Response growth	ate lifting ise growth ion (s) of concern ze WHQE TEEE in defect N/A	ay roots <u> <i>T</i></u> <i>S</i> <i>S</i> <i>B</i> <i>B</i> <i>Minc</i>	Distance E DF 2 RD Fall Dista	Conks/Mush Cavity D e from trunk Soil we BASS DT 1SS4 ance W#O2 oderate D Sig	e gnificant	
Likelihood of failure Improbable Possible Probable Imminent Likeliho	od of failure Improbab	ole 🗆 Possi	ble 🕅 Pr	obable 🗆 Im	nminent	▫ノ

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	Risk Categorization																				
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Target	1996 -		6 1			Fail	ure	2		Imp	act				& Im Matrix			nseq	uen	ces	
(Target number or description)	Tree	e part	Conditi of con		Improbable	Possible	Probable	Imminent	Very low	Low	Medium	High	Unlikely	Somewhat	Likely	Very likely	Negligible	Minor	Significant	Severe	Risk rating (from Matrix 2)
HOUSE				1.000		χ					X		V			-		X			LOW
STREET	BASE		FLATN			X					X		X					X			LOW
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Matrix I. Likelihood	matrix.												*****	-		******				*****	+ +
Likelihood		Likelihood o	f Impact																		
of Failure Very	low Lo	w I	Medium	High																	
Imminent Unlik			Likely	Very likely			-													******	
Probable Unlik			ewhat likely	Likely										_							
Possible Unlik			Unlikely : Unlikely	Somewhat like Unlikely	ely																
Matrix 2. Risk rating		KCIY	orninery 1	Officery																	
	Inacrix.	Conconuor	acoc of Failura										*****			******				******	
Likelihood of Failure & Impact	Negligible	Minor	significant	Severe																	
Very likely	Low	Moderate	High	Extreme	-								***							****	
Likely	Low	Moderate	High	High				800	1		-	***			***		80	-			1 1
Somewhat likely	Low	Low	Moderate	Moderate	2													N	orth		
Unlikely	Low	Low	Low	Low														and the second second			
Notes, explanatio	ns, descriptio	ons														/	·				\sim
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- FLAT BAS	se (or	VCERN																			
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Mitigation option	S									aha.										Bellevi	
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4			10000			0										R	lesid	lual	risk		
Overall tree risk ra	ating	Low 🖾	Moderate 🗆	High 🗆 Ex	tren	ne 🗆]														
Overall residual ri				-				Rec	com	mer	ndeo	l ins	pec	tion	inte	erva	2	2 \	161	AR	5
Data DFinal DPre																					
Inspection limitation	-			, .																	

Addres	ss/Tree location 7655 SE	10TH ST MERC	ER ISL. W	JA Tree	no.]	2		Sheet	of	
Tree sp	PAVE LUTRIGHT ss/Tree location 7655 5E l pecies DOUGLAS FIR	0	lbh 25"	Height55	1	Crow	wn sp	read dia.	40-	
Assess	Sor(s) ANDREW RAINCS	1	Tools used \underline{V}	SUAL			_ Tim	e frame_2	- YEA	R
		Targ	et Assessment							
e						rget zo				Γ
Target number	Target des	cription		Target protection	Target within drip line	Target within 1 x Ht.	Target within 1.5 x Ht.	Occupancy rate 1-rare 2 - occasional 3 - frequent 4 - constant	Practical to move target?	Doctriction
1	HOUSE			VES		X	X	4	N	Τ,
2	STREET			YES		8	X	4	N	1
3										Γ
4										Γ
			ite Factors	Topograph						
Soil co	anges None社 Grade changeロ Site cle nditions Limited volumeロ Saturatedロ ling wind direction <u> </u>	I Shallow □ Compacte veather Strong winds	ed □ Pavement □ Ice □ Snow I	over roots □ □ Heavy rain淞 De	% Des	cribe_				
/igor Pests/I	Low Normal High Folia Biotic s failure profile Branches Trunk F	ge None (seasonal)□	None (dead Abiotic) Normal 95	% C	hlorot	tic	% Ne	crotic 🛓	5
species		Cools L Describe	UNIV LINI	2 THLURE						
		1	and Factors							
Crown	exposure Protected Partial Full density Sparse Normal Dense or expected change in load factors Tree	L Wind funneling	oad Factors ew	Relativ	Vistleto	n size be/Mo	sma	II 🗆 Mediu	ım 🗆 L	ar
Crown Recent	density Sparse □ Normal ⊠ Dense □ or expected change in load factors Tree	L Wind funneling Interior branches Defects and Conditio — Crown	oad Factors ew	Relative Dense Vines/I E Likelihood of Fail	Vistleto lure	oe/Mo	oss 🗆			
Unl Dea Bro Ove Pru Cro Rec	density Sparse Normal Ø Dense c or expected change in load factors	L Wind funneling Interior branches For Defects and Condition Crown _% Max. dia Max. dia Raised [Lion-tailed]	ew D Normal C ns Affecting th and Branch Cracks Codorr Weak a Previou Dead/N Conks	Relative Dense Relative Pe Likelihood of Fail Des — Des — Dinant Des — Dinant Des	Vistleto lure rs/Galls/ rtwood	/Burls E decay	_ Cav _ Cav _ Sim	Lightning Includ ity/Nest hole ilar branches owood damag	damage ded bark % c present ge/decay	
Unl Dea Bro Ove Pru Cro Rec	density Sparse Normal Ø Dense c or expected change in load factors	L Wind funneling Interior branches Finanches Finan	ew D Normal D ew D Normal D ns Affecting th and Branch Cracks Codorr Weak a Previou Dead/N Conks Respor	Relative Rel	Vistleto lure rs/Galls/ rtwood	/Burls E decay	Cav Sim ☑	Lightning Incluc ity/Nest hole ilar branches owood damag	damage ded bark % c present ge/decay	
Crown Recent Unl Dea Bro Ove Pru Cro Rec Flus Par Loa	density Sparse Normal I Dense c or expected change in load factors	L Wind funneling Interior branches F Defects and Conditio Crown % INTex. dia. Raised Lion-tailed Conditio Conditio Ition-tailed Ition-t	ew D Normal ew Normal ns Affecting th and Branch Cracks Codorr Weak a Previou Dead/N Conks Respon cion (s) of concer Part Si Load of		Vistleto	/Burls E decay	_ Cav _ Cav _ Sim ☑ Sap □ Fall Di:	Lightning Includ ity/Nest hole ilar branches owood damag stance loderate S	damage ded bark % c present ge/decay	
Unl Dea Bro Ove Pru Cro Relu: Par Loa	density Sparse Normal I Dense c or expected change in load factors	L Wind funneling Interior branches Fi Defects and Conditio Crown Max. dia. Raised Lion-tailed Lion-tailed istance Moderate Significant Probable Imminent	ew D Normal D ew D Normal D ns Affecting th and Branch Cracks Codom Weak a Previou Dead/N Conks Respon- tion (s) of concer Part Si Load of Likeliho	Relative I Dense Vines/I I Dense I I Dense I I Dense I I is branch failures I I is branch failure I	Vistleto	/Burls E decay Minor Possible	Fall Dir Fall Dir Col	Lightning Includ ity/Nest hole ilar branches owood damag stance stance foderate S robable lar	damage ded bark % c present ge/decay 	
Crown Recent Unl Dea Bro Ove Pru Cro Rec Flus Par Loa Like Dea	density Sparse Normal I Dense c or expected change in load factors	L Wind funneling Interior branches Fi Defects and Conditio Crown % Il Max. dia. Raised Lion-tailed Kaised Conditio Significant Probable Imminent Max. dia.	ew A Normal ns Affecting th and Branch Cracks Codorr Weak a Previou Dead/N Conks Respon tion (s) of concer Part Si Load of Likeling Collar	Relative I Dense Vines/f e Likelihood of Fail es — inant	Vistleto	/Burls E decay Minor Possible Root	Fall Di Fall Di Col	Lightning Includ ity/Nest hole ilar branches bwood damag stance stance loderate S robable In Iar Stem	damage ded bark % c present ge/decay ignifican mminent	
Crown Recent Unl Dea Bro Ove Pru Cro Rec Flus Par Loa Like Dea Coo	density Sparse Normal I Dense c or expected change in load factors	Wind funneling Interior branches Defects and Condition — Crown % III Max. dia. Max. dia. Condition Istance Moderate Significant Probable Imminent mal bark texture/color I ark Cracks	ew D Normal D ew D Normal D ns Affecting th and Branch Cracks Codom Weak a Previou Dead/N Conks Respon cion (s) of concer Part Si Load of Likelind Collar I Dead	Relative I Dense Vines/I I Dense	Vistleta	/Burls E decay Minor Possible Root	Fall Dia Fall Dia G Sap	Lightning Includ ity/Nest hole ilar branches pwood damag stance noderate S robable In lar Stem Conks/Mus	damage ded bark % c present ge/decay ignifican mminent girdling hrooms	
Crown Recent Unl Dea Bro Ove Pru Cro Recu Flus Par Loa Like Dea Coo Sap	density Sparse Normal I Dense c or expected change in load factors	Wind funneling Interior branches Defects and Conditio — Crown % Max. dia. Max. dia. Max. dia. Condition Max. dia. Max. dia. Max. dia. Max. dia. Condition Max. dia. Max. dia. Max. dia. Condition Moderate Significant Probable Imminent mal bark texture/color I ark Cracks I /Burls Sap ooze I	ew D Normal D ew D Normal D ns Affecting th and Branch Cracks Codorr Weak a Previou Dead/N Conks Respon- cion (s) of concer Part Si Load on Likeliho Collar Dead Ooze	Relative I Dense Vines/I I Dense I	Vistleta	/Burls E decay Vinor Possible Root	Fall Di	Lightning Includ ity/Nest hole ilar branches owood damag stance loderate S robable lar Stem Conks/Mus Cavity	damage ded bark % c present ge/decay 	
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Crown Recent Unl Dea Bro Ove Pru Cro Rec Flu: Par Loa Like Coo Sap Ligh Cav	density Sparse Normal Dense cor expected change in load factors	Wind funneling Interior branches Defects and Conditio — Crown % Max. dia. Max. dia. Max. dia. Condition Max. dia. Max. dia. Max. dia. Condition Max. dia. Max. dia. Max. dia. Condition Moderate Significant Probable Imminent mal bark texture/color I Ark Cracks I /Burls Sap ooze I Conks/Mushrooms I Poor taper I	ew D Normal D ew D Normal D ns Affecting th and Branch Cracks Codom Weak a Previou Dead/N Conks Respontion (s) of concer Part Si Load of Likelind Collar I Dead Ooze Cracks Root p Respontion (s)	Relative I Dense Vines/f e Likelihood of Fail ees —	Vistleto	/Burls E decay Minor Possible Root	Fall Distanc	Lightning Includ ity/Nest hole ilar branches pwood damag stance noderate S robable In lar Conks/Mus Cavity ce from trun Soil we	damage ded bark % c present ge/decay ignifican mminent girdling hrooms % c k	
Unli Dea Bro Ove Pru Cro Relu: Par Loa Like Coo Sap Ligh Cav Lea Res	density Sparse Normal Ø Dense cor expected change in load factors Tree balanced crown ad twigs/branches Ø 25% overable oken/Hangers Number er-extended branches Ø uning history own cleaned Thinned duced Topped Thinned Bad on defect N/A Ø Minor elihood of failure Improbable Possible ownod damage/decay Cankers/Galls htning damage Heartwood decay vity/Nest hole Sponse growth	Wind funneling Interior branches Defects and Conditio — Crown % III Max. dia. Max. dia. Raised Lion-tailed Moderate Significant Probable Imminent Max bark texture/color Max Probable Sap ooze Conks/Mushrooms Poor taper	ew D Normal D ew D Normal D ns Affecting th and Branch Cracks Codom Weak a Previou Dead/N Conks Respon- cion (s) of concer Part Si Load of Likeliho Collar I Dead Ooze Cracks Root p Respon-	Relative I Dense Vines/f e Likelihood of Fail ees I inant I inant I inant I inant I inant I ininant I is branch failures I is branch failures I I isse growth I in defect N/A I in defect N/A I in defect N/A I <	Vistleto	/Burls E decay Vinor Possible Root	Section Contemposes □ Cav Sim ① ① Sap □ Fall Di □ Fall Di □ Fall Di □ Coll Distanc	Lightning Includ ity/Nest hole ilar branches owood damag stance loderate stance foderate loderate cobable [ar Conks/Mus Cavity ce from trun Soil we	damage ded bark % c present ge/decay 	
Crown Recent Unl Dea Bro Ove Pru Cro Rec Flus Par Loa Like Coo Sap Ligh Cav Lea Res Cor	density Sparse Normal Dense cor expected change in load factors	L Wind funneling Interior branches Fi Defects and Conditio Crown % INTex. dia. Nex. di	ew A Normal ew A Normal ns Affecting th and Branch Cracks Codor Weak a Previou Dead/N Conks Respon- cion (s) of concer Part Si Load on Likelind Collar Dead Ooze Cracks Root p Respon Condit	Relative I Dense Vines/f e Likelihood of Fail es — inant	Vistleta	/Burls E /Burls E decay Vinor Possible Root	- Cav - Cav Sim Sap - Cav - Sim - Cav - Cav - Sim - Cav - Cav - Sim - Cav - Ca	Lightning Includ ity/Nest hole ilar branches owood damag stance loderate S robable In lar Stem Conks/Mus Cavity ce from trun Soil we	damage ded bark % c present ge/decay 	

Target							-	Failu	ure			ikel	ihoo act	d		ure &			Cor	nseq	uen	ces	
(Target nur or descripti		Tree	part		Condition of cond		Improbable	Possible	Probable	Imminent	Very low	Low	Medium	High	Unlikely	Somewhat	Likely	Very likely	Negligible	Minor	Significant	Severe	Risk ratin (from Matrix
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	Unlikely	Somewh	at likely		Likely	Very likely									~~~~~							******	
Probable	Unlikely	Unlik	kely	Som	ewhat likely	Likely																	
	Unlikely	Unlik				Somewhat like	ely																
	Unlikely	Unlik	kely		Unlikely	Unlikely																	
atrix 2. Risk r		trix.										******											
Likelihood o Failure & Imp					nces of Failure																		
		legligible	Mino		Significant	Severe							*****	*****									
Very likely Likely		Low	Moder Moder		High High	Extreme High			-						*****	1		*****		1	t	****	1
Somewhat lik	elv	Low	Low		Moderate	Moderate	2													No	orth		
Unlikely		Low	Low		Low	Low		(
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					DINI																		
TREE 1					ALLURE	AND																	
IRUE I.) [10	GOOP	LON	DI														1					
			and and							<i>I</i>					-								
litigation op	tions																						
		TREE 1	CLIV	nB	INSPEC	TION OF	TO	P	17	Q	JES	TIT	N	ABL	£	inet.		R	esid	ual	risk	N	IONZ
1.4					P				berta r			13 z	Maria		2325	la kan							
		la Start de	1						214.58	200	din e				~ .2.3t		9483	R	esid	ual	risk		
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verall tree r					Moderate 🛛																		
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Basic Tree Risk As	sessmen	t Fo	orm	ſ			
Client <u>PAVE CUTRIGHT</u> Address/Tree location <u>7655 SE YOTH ST MERCER ISL, WA</u> Tree species <u>CHERRY</u> dbh_15 Assessor(s) <u>ANDREN RAINES</u> Tools used <u>1</u>	Date 6/21	122		Tin	ne_11:15	AM	
Address/Tree location 7655 SE YOTH ST MERCER ISLIWA	Tree	no. [3		Sheet	of	1
Tree species dbh_15	Height <u>50</u> ≠	T	Crow	n spr	ead dia. <u>2</u>	T+OC	
Assessor(s) <u>ANDREW RAINES</u> Tools used	MSUAL			Time	e frame	, YEI	ARS
Target Assessme	nt						
			get zone				
Target description	Target protection	Target within drip line	Target within 1 x Ht.	Target within 1.5 x Ht.	Occupancy rate 1-rare 2 - occasional 3 - frequent 4 - constant	Practical to move target?	Restriction practical?
1 Fence	YES		X	K	4	N	W
2 PLAYGROUND	YES		X	×	4	Y	Y
3							/
4							
Site Factors		<u> </u>				L	L
History of failures BRANCHES	Topography		Slope	٦	%	Asnect	
Site changes None Ⅰ Grade change □ Site clearing □ Changed soil hydrology □ R							
Soil conditions Limited volume Saturated Shallow Compacted Pavemen	t over roots \Box	% Desc	rihe				
Prevailing wind direction <u>5</u> <i>w</i> Common weather Strong winds ⊠ Ice □ Snow							
Tree Health and Species							
Vigor Low D Normal 🖄 High D Foliage None (seasonal) D None (dea	d) Normal 95	% Ch	nlorotic	:	% Nec	rotic2	%
Pests/Biotic	(SAPINIOD)						
Load Factors							
Wind exposure Protected Dertial Full Wind funneling	Polativ			Small			
Crown density Sparse Normal Dense Interior branches Few Normal		listlotor	Mos				arge
Recent or expected change in load factors	Dense Unies/14	iistietoe	e/ 101055	» — _			
Tree Defects and Conditions Affecting t	he Likelihood of Failu	ure					
— Crown and Brand	hes —						
Dead twigs/branches I 25 % overall Max. dia. Codo Broken/Hangers Number Max. dia. Weak Over-extended branches I Previous Previous Pruning history Crown cleaned I Thinned I Raised I Dead Reduced I Topped I Lion-tailed I Conk	s minant attachments ous branch failures /Missing bark Cankers s Heart onse growth	S/Galls/E	Burls 🗆 lecay 🗆	Cavit Simil Sapv	Includ ty/Nest hole_ lar branches wood damag	ed bark % c presenť e/decay	irc.
Condition(s) of conce							
	Size	100 million	Fa	II Dis	tance		_
	on defect N/AZ nood of failure Improbat				oderate 🗆 Si obable 🗆 In	0	
—Trunk —	- Roots	and R	loot (Colla	ar —		\leq
Dead/Missing bark 🗷 Abnormal bark texture/color 🗆 Colla	r buried/Not visible 🛛	Dep	th		Stem	girdling	
	Dec Dec						
Sapwood damage/decay Cankers/Galls/Burls Sap ooze Ooze					Cavity 🗆		
	s Cut/Damaged r						
Cavity/Nest hole 50 % circ Depth 3 IN//4 Poor taper 1	plate lifting	0005	DIS		Soil we		
loop ° Corrected?	onse growth						
Response growth							
condition(s) of concern <u>the may be required of the state</u>	ition (s) of concern						
	Size						
	on defect N/A 🕅 nood of failure Improbab				oderate 🗆 Sig obable 🗖 Im	-	

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							Risk Cate	gor	12011															
							1					L	ikel	ihoo	d									
Targ	et					Condi	tion(s)		Failu	ire			Imp	act				& Im Aatrix		Co	nseq	luen	ces	
(Target n or descri			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
FENCE	5	+				-ADGE				X	V				X			Х		Х	V			LON
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1 Drift	IK OUN	4			7	LARGE NOUND DECAYGE	DADOD					1		1			\wedge			~				2011
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Imminent Probable Possible Improbable Matrix 2. Risk	Unlike Unlike Unlike Unlike rating n d of npact	ly ly ly natr	Somewha Unlik Unlik Unlik	at likely cely cely cely Conse	Some U U equen	Likely what likely Inlikely Inlikely ces of Failur	Very likely Likely Somewhat likel Unlikely	ly																
Imminent Probable Possible Improbable Matrix 2. Risk Likelihooo Failure & In	Unlike Unlike Unlike Unlike rating n d of npact	ly ly ly natr	Somewha Unlik Unlik ix. gligible	at likely cely cely cely Conse Mine	Some U U C C C C C C C C C C C C C C C C C	Likely what likely Inlikely Inlikely ces of Failur Significant	Very likely Likely Somewhat likel Unlikely e Severe	ly														orth		

Notes, explanations, descriptions

Low

TREE	WILL	MOST LIK	ELY	FAIL	ON I	TS
OWN	BUT	DAMAGE	15	50	Low	ITS
NO	(ONC)	RN		5 - C275 N - 255		

Low

Low

Low

Mitigation options

Unlikely

1. LEAVE IN	STIL	17 \$	AILS			- <u> </u>	Residual risk LOW
2						n og des stadt for still and stadt for stadt og s	Residual risk
3		8				na da sa Cola da da Kalanda sa ka	Residual risk
4							Residual risk
Overall tree risk rating		Low	Moderate 🛛	High 🛛	Extreme 🛛		
Overall residual risk	None 🗆	Low 🕅	Moderate 🗆	High 🛛	Extreme 🗖	Recommended inspection inter	val NONE
Data 🛱 Final 🗆 Prelimir	nary Adva	nced asse	ssment neede	d 🖾 No 🗆	Yes-Type/Reas	on	
Inspection limitations	XNone □V	isibility 🗆	Access 🗆 Vine	es 🗆 Root	collar buried	Describe	Station and states and states

Basic Tree Risk	Assessmen	t Fo	rm			
Client DAVE CUTRIGHT Address/Tree location 7655 SE 40TH ST MERCER 13LAN	Date 6/21	122	1	ime 11:30	AM	
Address/Tree location 7655 SE 40TH ST MERCER ISLAN	ND WA Tree	no. 14		Sheet /	of	1
Tree species YAWFHORNE dbh 19	Height 30+	T	Crown s	pread dia. 🛽	OFT	
Tree species <u>HANTHORNE</u> dbh <u>14</u> Assessor(s) <u>ANDREW RAINES</u> Tools use	d_VISUAL		Tir	ne frame		
Target Asses						
			et zone		Ι	
Target description	Target protection	Target within drip line	Target within 1 x Ht. Target within	C C C C C C C C C C C C C C C C C C C	Practical to move target?	Restriction practical?
1 HOUSE	NONE	X	XX	Q	N	N
2			/		1	
3						
4					+	+
Site Facto	ors	<u> </u>			1	1
History of failures	Topography	Flat 🖾 S		%	Aspect	:
Site changes None Grade change Site clearing Changed soil hydrology	□ Root cuts □ Describe					
Tree Health and Sp Vigor Low Normal High 🖾 Foliage None Pests/Biotic Abic Species failure profile Branches Trunk Roots Describe		% Chl	orotic	% Neo	crotic _	%
Wind exposure Protected Partial Full Wind funneling	tors		cine Con			
Crown density Sparse Normal Dense Interior branches Few No		e crown	size Sm		тцг	arge L
Recent or expected change in load factors		istietoe				
Tree Defects and Conditions Affect	ting the Likelihood of Faile	uro				
— Crown and Br						
Unbalanced crown I ICB \ \ \ \ %	Cracks I			_ Lightning o	lamaga	
Dead twigs/branches 🖾 <u>S</u> % overall Max. dia. <u>3</u> Broken/Hangers Number Max. dia.	Codominant I TOPPED Weak attachments		DWT#	Includ	led bark	
	Previous branch failures					
Pruning history	Dead/Missing bark A Cankers				•	
Reduced 🛛 Topped 🖾 Lion-tailed 🗆	Conks Heart	wood de	ecay 🗆			
Flush cuts D Other	Response growth	V				
TOPS COULD FAIL Condition (s) of	concern LIMITED GE	ou s	PACE	BUTO	NHO	SUSE
Part Size 31NCH Fall Distance 10FT	Part Size		F -11 F			
	Load on defect N/A			istance Moderate □ Si		
	Likelihood of failure Improbab					
-Trunk-	- Roots	and D		llan		\prec
I Y						
	Collar buried/Not visible					
	Dead Deca	ay Ц				
Lightning domoge C Uportuged down C Could Mark C	Ooze	-		Cavity 🗆		
Cavity/Nest hole % circ Depth Poor taper 🗆	Cracks Cut/Damaged r					
Lean 20 ° Corrected? YES	. 0			Soil we		
Response growth \underline{YES}	Response growth					
	Condition (s) of concern					
Part Size Fall Distance	Part Size	<u></u>	Fall Dis	tance		<u></u>
	Load on defect N/A 🛱 Likelihood of failure Improbab					
	~				-	_

							I	Likel	ihoo	bd					1.11				
Target		Condition(s)		Failu	ıre			Imp	act			ure &		pact	Co	nseq	luen	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	Ris ratir (fror Matrix
HOUSE	BRANCHES	RUBBING PAINT OF 7			X					\times			X			X			MO
		(RITTERS ACCESS																	
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		and the second second				_			+				-	_		-	+		

Likelihood		Likelih	ood of Impact	1
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

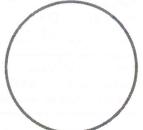
Matrix 2. Risk rating matrix.

Likelihood of		Consequer	nces 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

LIMITED	GROW	SPAC	LE BEEL	PES	GROWING
TOWARDS	AND	90	HOUSE	INV	ASIVE
HAWTHORNE	SPE(1	ES,			





Mitigation options

1 REMOVAL OR SNAG	Residual risk NONE
2	Residual risk
3	Residual risk
4	Residual risk
Overall tree risk rating	
Overall residual risk None 🖄 Low 🗆 Moderate 🗆 High 🗆 Extreme 🗔 Recommended inspection inter	rval NONE
Data XI Final D Preliminary Advanced assessment needed 🕅 o DYes-Type/Reason	
Inspection limitations	Same and a second

CITY OF MERCER ISLAND

COMMUNITY PLANNING & DEVELOPMENT

9611 SE 36TH STREET | MERCER ISLAND, WA 98040 PHONE: 206.275.7605 | <u>www.mercergov.org</u>

MERCER ISLAND TREE INVENTORY & REPLACEMENT SUBMITTAL INFORMATION

PROJECT INFORMATION			
Property Owner			
Name:	David Cutright		
Site Address or			
Parcel Number:	7655 40TH Street, Mercer Island, WA 98040		
Project Contact			
Name:	Read Ferguson, Western Edge Architecture		
Contact Email			
Address:	fergy_51@hotmail.com		
Contact Phone			
Number:	206 915 5203		

EXCEPTIONAL TREES

<u>Exceptional Trees</u>- means a tree or group of trees that because of its unique historical, ecological or aesthetic value constitutes an important community resource. A tree that is rare or exceptional by virtue of its size, species, condition, cultural/historical importance, age, and/or contribution as part of a tree grove. Trees with a diameter of more than 36 inches, or with a diameter that is equal to or greater than the diameter listed in the Exceptional Tree Table shown in MICC 19.16 under Tree, Exceptional.

List the total number of trees for each category and the tree identification numbers from the arborist report.

Number of trees 36"	or greater	1		
List tree numbers:	10- 36" dia.,			
Number of trees 24"	7			
List tree numbers:	3- 27" 6- 32", 7- 35", 8- 25", 9- 26", 10- 36", 12- 25"			
Number of trees from Exceptional Tree Table (MICC 19.16)		3		
List tree numbers:	6, 7, 10			
LARGE REGULATED TREES				

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Large Regulated Trees- means any tree with a diameter of 10 inches or more, and any tree that meets the definition of an Exceptional Tree.

Number of Large Regulated Trees on site	(13)
List tree numbers: 1, 2, 3, 4, 6, 7, 8, 9, 10, 11, 12, 13, 14	
Number of Large Regulated Trees on site proposed for removal List tree numbers: <u>6</u> , 7, 8, 9, 14	(5)
Percentage of trees to be retained ((A-B)/Ax100) note: must be at least 30%	38%
RIGHT OF WAY TREES	
<u>Right of Way Trees</u> - means a tree that is located in the street right of way adjacent to the	ie project property.
Number of Large Regulated Trees in right of way	0
List tree numbers:	
Number of Large Regulated Trees in right of way proposed for removal	0
List tree numbers:	
Reason for removal:	

TREE REPLACEMENT

Tree replacement- removed trees must be replaced based on the ratio in the table below. Replacement trees shall be conifers at least six feet tall and or deciduous at least one and one-half inches in diameter at base.

			Number of Tree
	Tree	Number of	Required for
Diameter of Removed Tree (measured 4.5'	replacement	Trees Proposed	Replacement Based
above ground)	Ratio	for Removal	on Size/Type
Less than 10"*	1		
10" up to 24"	2	1	2
Greater than 24" up to 36"	3	3	9
Greater than 36" and any Exceptional Tree	6	1	6

*no replacement tree is needed if the tree fits all of the following; Less than 10 inches in diameter, not an exceptional tree, and not a replacement tree from another tree permit. *