



Basic Tree Risk Assessment Form

Client David & Pam Kalb Date 2/8/2024 Time 1:00
 Address/Tree location 4828 San Miguel Ct. NE Salem Tree no. #1 Sheet 1 of 4
 Tree species Sequoia dbh 70" Height 90 Crown spread dia. 50'
 Assessor(s) Tim Jones Tools used Phen, Tape m., Clinometer Time frame 1 yr

Target Assessment

Target number	Target description	Target protection	Target zone			Occupancy rate 1-rare 2-occasional 3-frequent 4-constant	Practical to move target?	Restriction practical?
			Target within drip line	Target within 1x Ht.	Target within 1.5x Ht.			
1	Home	None	X			4	N	N
2								
3								
4								

Site Factors

History of failures _____ Topography Flat ☒ Slope ☐ 30 % Aspect _____
 Site changes None ☐ Grade change ☐ Site clearing ☐ Changed soil hydrology ☐ Root cuts ☐ Describe _____
 Soil conditions Limited volume ☐ Saturated ☐ Shallow ☐ Compacted ☐ Pavement over roots ☒ 30-40% Describe House foundation
 Prevailing wind direction NE Common weather Strong winds ☒ Ice ☐ Snow ☐ Heavy rain ☒ Describe Valley winters

Tree Health and Species Profile

Vigor Low ☐ Normal ☒ High ☐ Foliage None (seasonal) ☐ None (dead) ☐ Normal 100 % Chlorotic _____ % Necrotic _____ %
 Pests/Biotic _____ Abiotic _____
 Species failure profile Branches ☒ Trunk ☐ Roots ☐ Describe prone to limb loss in severe weather

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 ☐
 Recent or expected change in load factors _____

Tree Defects and Conditions Affecting the Likelihood of Failure

— Crown and Branches —

Unbalanced crown ☐ LCR _____ %
 Dead twigs/branches ☐ _____ % overall Max. dia. _____
 Broken/Hangers Number _____ Max. dia. _____
 Over-extended branches ☐
 Pruning history
 Crown cleaned ☐ Thinned ☐ Raised ☐
 Reduced ☐ Topped ☐ Lion-tailed ☐
 Flush cuts ☐ Other _____
 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 ☐
 Response growth _____

Condition(s) of concern _____

Part Size _____ Fall Distance _____

Load on defect N/A ☐ Minor ☐ Moderate ☐ Significant ☐

Likelihood of failure Improbable ☐ Possible ☐ Probable ☐ Imminent ☐

— Trunk —

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? _____
 Response growth _____
 Condition(s) of concern _____

Part Size _____ Fall Distance _____

Load on defect N/A ☐ Minor ☐ Moderate ☐ Significant ☐

Likelihood of failure Improbable ☐ Possible ☐ Probable ☐ Imminent ☐

— Roots and Root Collar —

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 House foundation

Part Size _____ Fall Distance _____

Load on defect N/A ☒ Minor ☐ Moderate ☐ Significant ☐

Likelihood of failure Improbable ☐ Possible ☐ Probable ☒ Imminent ☐

[illegible]

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

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

- Tree roots impacting home foundation
If root pruning performed Tree may be unstable.

1. Removal of tree & stump	Residual risk	0
2.	Residual risk	
3.	Residual risk	
4.	Residual risk	

Overall residual risk None ☒ Low ☐ Moderate ☐ High ☐ Extreme ☐ **Recommended inspection interval** _____

Inspection limitations ☐None ☐Visibility ☐Access ☐Vines ☐Root collar buried Describe _____



Basic Tree Risk Assessment Form

Client David & Pam Kalb Date 2/8/2024 Time 1:00
 Address/Tree location 4028 San Miguel Ct NE, Salem Tree no. #2 Sheet 2 of 4
 Tree species Sequoia dbh 51 Height 100 Crown spread dia. 40'
 Assessor(s) Tim Jones Tools used Phone, tape, clinometer Time frame 1yr

Target Assessment

Target number	Target description	Target protection	Target zone			Occupancy rate 1-rare 2-occasional 3-frequent 4-constant	Practical to move target?	Restriction practical?
			Target within drip line	Target within 1x Ht.	Target within 1.5x Ht.			
1	Structures Home & out building	None	X			4	N	N
2								
3								
4								

Site Factors

History of failures _____ Topography Flat ☒ Slope ☐ _____ % Aspect _____
 Site changes None ☐ Grade change ☐ Site clearing ☐ Changed soil hydrology ☐ Root cuts ☐ Describe _____
 Soil conditions Limited volume ☐ Saturated ☐ Shallow ☐ Compacted ☐ Pavement over roots ☒ 50 % Describe Foundations & path
 Prevailing wind direction _____ Common weather Strong winds ☒ Ice ☐ Snow ☐ Heavy rain ☒ Describe Valley conditions

Tree Health and Species Profile

Vigor Low ☐ Normal ☒ High ☐ Foliage None (seasonal) ☐ None (dead) ☐ Normal 100 % Chlorotic _____ % Necrotic _____ %
 Pests/Biotic _____ Abiotic _____
 Species failure profile Branches ☒ Trunk ☐ Roots ☐ Describe limb loss

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 ☐ _____
 Recent or expected change in load factors _____

Tree Defects and Conditions Affecting the Likelihood of Failure

— Crown and Branches —

Unbalanced crown ☒ LCR _____ %
 Dead twigs/branches ☐ _____ % overall Max. dia. _____
 Broken/Hangers Number _____ Max. dia. _____
 Over-extended branches ☐
 Pruning history
 Crown cleaned ☐ Thinned ☐ Raised ☐
 Reduced ☐ Topped ☐ Lion-tailed ☐
 Flush cuts ☐ Other _____
Weighted to one side phototropic growth pattern Condition(s) of concern _____
 Part Size _____ Fall Distance _____
 Load on defect N/A ☐ Minor ☐ Moderate ☐ Significant ☐
 Likelihood of failure Improbable ☐ Possible ☐ Probable ☐ Imminent ☐
 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 ☐ _____
 Response growth _____
 Part Size _____ Fall Distance _____
 Load on defect N/A ☐ Minor ☐ Moderate ☐ Significant ☐
 Likelihood of failure Improbable ☐ Possible ☐ Probable ☐ Imminent ☐

— Trunk —

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 5 ° Corrected? _____
 Response growth _____
 Condition(s) of concern _____
 Part Size _____ Fall Distance _____
 Load on defect N/A ☐ Minor ☐ Moderate ☐ Significant ☐
 Likelihood of failure Improbable ☐ Possible ☐ Probable ☐ Imminent ☐

— Roots and Root Collar —

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 Structure foundation
 Part Size _____ Fall Distance _____
 Load on defect N/A ☒ Minor ☐ Moderate ☐ Significant ☐
 Likelihood of failure Improbable ☐ Possible ☐ Probable ☒ Imminent ☐

[illegible]

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

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

- Tree roots impacting foundation Post pruning may cause unstable tree

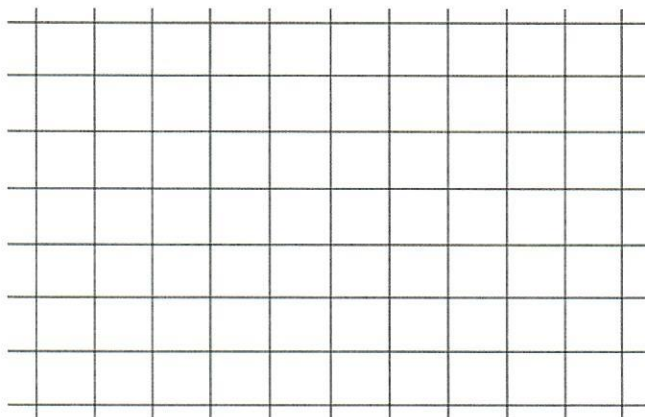
1. Remove Tree & Stamp

2.		Residual risk
3.		Residual risk
4.		Residual risk

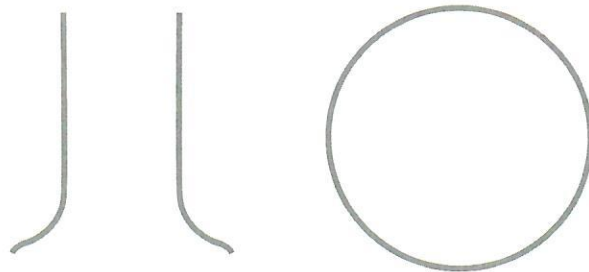
Overall residual risk None ☒ Low ☐ Moderate ☐ High ☐ Extreme ☐

Data ☐ Final ☐ Preliminary **Advanced assessment needed** ☐ No ☐ Yes-Type/Reason Engineer report / Foundation

Inspection limitations ☐None ☐Visibility ☐Access ☐Vines ☐Root collar buried Describe _____



North



Residual risk

Residual risk

Residual risk

Residual risk



Basic Tree Risk Assessment Form

Client David & Pam Kalb Date 2/8/2024 Time 1 year
 Address/Tree location 4028 San Miguel Ct NE, Salem Tree no. #3 Sheet 3 of 4
 Tree species Sequoia dbh 47 Height 90 Crown spread dia. 30'
 Assessor(s) Tim Jones Tools used phone, tape, clinometer Time frame 1 yr

Target Assessment

Target number	Target description	Target protection	Target zone			Occupancy rate 1-rare 2-occasional 3-frequent 4-constant	Practical to move target?	Restriction practical?
			Target within drip line	Target within 1x Ht.	Target within 1.5x Ht.			
1	<u>Homes & outbuilding</u>	<u>NO</u>	<u>X</u>			<u>4</u>	<u>N</u>	<u>N</u>
2								
3								
4								

Site Factors

History of failures _____ Topography Flat ☒ Slope ☐ _____ % Aspect _____
 Site changes None ☐ Grade change ☐ Site clearing ☐ Changed soil hydrology ☐ Root cuts ☐ Describe _____
 Soil conditions Limited volume ☐ Saturated ☐ Shallow ☐ Compacted ☐ Pavement over roots ☐ 40-50 % Describe Structure foundation
 Prevailing wind direction NE Common weather Strong winds ☒ Ice ☐ Snow ☐ Heavy rain ☒ Describe Winter conditions

Tree Health and Species Profile

Vigor Low ☐ Normal ☒ High ☐ Foliage None (seasonal) ☐ None (dead) ☐ Normal 100 % Chlorotic _____ % Necrotic _____ %
 Pests/Biotic _____ Abiotic _____
 Species failure profile Branches ☒ Trunk ☐ Roots ☐ Describe prone to limb loss in severe weather

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 ☐ _____
 Recent or expected change in load factors _____

Tree Defects and Conditions Affecting the Likelihood of Failure

— Crown and Branches —

Unbalanced crown ☒ LCR _____ %
 Dead twigs/branches ☐ _____ % overall Max. dia. _____
 Broken/Hangers Number _____ Max. dia. _____
 Over-extended branches ☐
 Pruning history
 Crown cleaned ☐ Thinned ☐ Raised ☐
 Reduced ☐ Topped ☐ Lion-tailed ☐
 Flush cuts ☐ Other _____
Phototropic Growth Condition(s) of concern _____

Part Size _____ Fall Distance _____
 Load on defect N/A ☐ 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 ☐ Possible ☐ Probable ☐ Imminent ☐

— Trunk —

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? _____
 Response growth _____
 Condition(s) of concern _____

Part Size _____ Fall Distance _____

Load on defect N/A ☐ Minor ☐ Moderate ☐ Significant ☐
 Likelihood of failure Improbable ☐ Possible ☐ Probable ☐ Imminent ☐

— Roots and Root Collar —

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 Structure foundation

Part Size _____ Fall Distance _____

Load on defect N/A ☒ Minor ☐ Moderate ☐ Significant ☐
 Likelihood of failure Improbable ☐ Possible ☐ Probable ☒ Imminent ☐

[illegible]

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

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

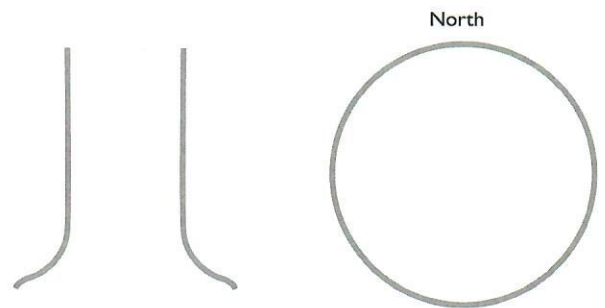
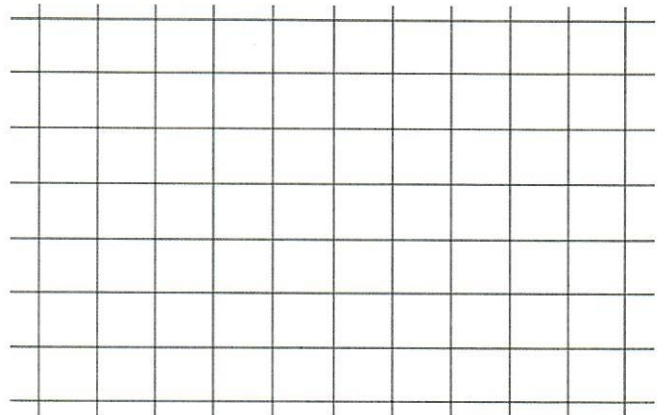
- Tree roots impacting out building foundation. Root pruning may make Tree unstable

1. Remove & snap grind
- 2.
- 3.
- 4.

Overall residual risk None ☒ Low ☐ Moderate ☐ High ☐ Extreme ☐

Recommended inspection interval _____

Inspection limitations ☐None ☐Visibility ☐Access ☐Vines ☐Root collar buried Describe _____





Basic Tree Risk Assessment Form

Client David & Pam Kalb Date 2/8/2024 Time _____
 Address/Tree location 4828 San Miguel Ct NE, Salem Tree no. #4 Sheet 4 of 4
 Tree species Sequoia dbh 36" Height 90' Crown spread dia. 30'
 Assessor(s) Tim Jones Tools used phone, tape, clinometer Time frame 1 yr

Target Assessment

Target number	Target description	Target protection	Target zone			Occupancy rate 1-rare 2-occasional 3-frequent 4-constant	Practical to move target?	Restriction practical?
			Target within drip line	Target within 1x Ht.	Target within 1.5x Ht.			
1	<u>Home</u>	<u>None</u>		<u>X</u>		<u>4</u>	<u>X</u>	<u>X</u>
2								
3								
4								

Site Factors

History of failures _____ Topography Flat ☒ Slope ☐ _____ % Aspect _____
 Site changes None ☐ Grade change ☐ Site clearing ☐ Changed soil hydrology ☐ Root cuts ☐ Describe _____
 Soil conditions Limited volume ☐ Saturated ☐ Shallow ☐ Compacted ☐ Pavement over roots ☒ 15 % Describe foundations
 Prevailing wind direction NE Common weather Strong winds ☒ Ice ☐ Snow ☐ Heavy rain ☒ Describe winter conditions

Tree Health and Species Profile

Vigor Low ☐ Normal ☒ High ☐ Foliage None (seasonal) ☐ None (dead) ☐ Normal 100 % Chlorotic _____ % Necrotic _____ %
 Pests/Biotic _____ Abiotic _____
 Species failure profile Branches ☒ Trunk ☐ Roots ☐ Describe limb loss

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 ☐ _____
 Recent or expected change in load factors _____

Tree Defects and Conditions Affecting the Likelihood of Failure

— Crown and Branches —

Unbalanced crown ☒ LCR _____ %
 Dead twigs/branches ☐ _____ % overall Max. dia. _____
 Broken/Hangers Number _____ Max. dia. _____
 Over-extended branches ☐
 Pruning history
 Crown cleaned ☐ Thinned ☐ Raised ☐
 Reduced ☐ Topped ☐ Lion-tailed ☐
 Flush cuts ☐ Other _____
phototropic growth Condition(s) of concern _____
 Part Size _____ Fall Distance _____
 Load on defect N/A ☐ Minor ☐ Moderate ☐ Significant ☐
 Likelihood of failure Improbable ☐ Possible ☐ Probable ☐ Imminent ☐
 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 ☐ _____
 Response growth _____

— Trunk —

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? _____
 Response growth _____
 Condition(s) of concern _____
 Part Size _____ Fall Distance _____
 Load on defect N/A ☐ Minor ☐ Moderate ☐ Significant ☐
 Likelihood of failure Improbable ☐ Possible ☐ Probable ☐ Imminent ☐

— Roots and Root Collar —

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 Structure foundation
 Part Size _____ Fall Distance _____
 Load on defect N/A ☒ Minor ☐ Moderate ☐ Significant ☐
 Likelihood of failure Improbable ☒ Possible ☐ Probable ☐ Imminent ☐

[illegible]

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

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

Concave is when other trees removed it will be exposed to weath conditions it was protected from before

1. Remove & stamp Ground

2. _____ Residual risk _____

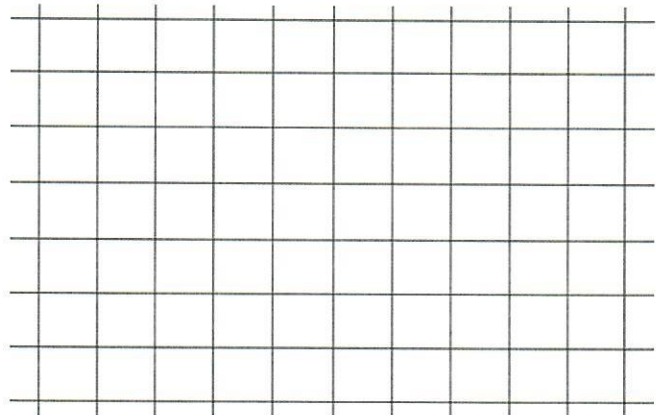
3. _____ Residual risk _____

4. _____ Residual risk _____

Overall residual risk None ☒ Low ☐ Moderate ☐ High ☐ Extreme ☐ **Recommended inspection interval**

Inspection limitations ☐None ☐Visibility ☐Access ☐Vines ☐Root collar buried Describe

Inspection limitations ☐None ☐Visibility ☐Access ☐Vines ☐Root collar buried Describe



North

