DEVELOPMENT SERVICES DEPARTMENT
ENVIRONMENTAL COORDINATOR
450 100th Ave NE., P.O. BOX 90012
BELLEVUE, WA 98009-9012

DETERMINATION OF NON-SIGNIFICANCE

PROPONENT: Brandon Grote, Affordable Tree Service Eastside

LOCATION OF PROPOSAL: 13307 SE 57th St

NAME & DESCRIPTION OF PROPOSAL:

Removal of 2 hazardous Maples from within a steep slope critical area, and a stream buffer. A total of 4 replacement trees and 9 shrubs will be replanted. All replacement trees and shrubs will be native species. Staff recommends snagging the hazard trees rather than full removal, to eliminate windthrow and mimic natural decline.

FILE NUMBER: 15-130191-GJ

The Environmental Coordinator of the City of Bellevue has determined that this proposal does not have a probable significant adverse impact upon the environment. An Environmental Impact Statement (EIS) is not required under RCW 43.21C.030(2)(C). This decision was made after the Bellevue Environmental Coordinator reviewed the completed environmental checklist and information filed with the Land Use Division of the Department of Planning & Community Development. This information is available to the public on request.

☐ There is no comment period for this DNS. There is a 14-day appeal period. Only persons who submitted written comments before the DNS was issued may appeal the decision. A written appeal must be filed in the City Clerk's office by 5:00 p.m. on March 16, 2006.

X This DNS is issued after using the optional DNS process in WAC 197-11-355. There is no further comment period on the DNS. There is a 14-day appeal period. Only persons who submitted written comments before the DNS was issued may appeal the decision. A written appeal must be filed in the City Clerk's Office by 5 p.m. on March 17, 2016.

☐ This DNS is issued under WAC 197-11-340(2) and is subject to a 14-day comment period from the date below. Comments must be submitted by 5 p.m. on _____. This DNS is also subject to appeal. A written appeal must be filed in the City Clerk's Office by 5 p.m. on _____.

This DNS may be withdrawn at any time if the proposal is modified so that it is likely to have significant adverse environmental impacts; if there is significant new information indicating, or on, a proposals probable significant adverse environmental impacts (unless a non-exempt license has been issued if the proposal is a private project): or if the DNS was procured by misrepresentation or lack of material disclosure.

Environmental Coordinator

2/26/2016
Date

OTHERS TO RECEIVE THIS DOCUMENT:
State Department of Fish and Wildlife
State Department of Ecology,
Army Corps of Engineers
Attorney General
Muckleshoot Indian Tribe

BACKGROUND INFORMATION

Property Owner: John Vaupell

Proponent: **Brandon Grote, Affordable Tree Service Eastside**

Contact Person: **Brandon Grote 206-245-3102 or brandon@affordabletreeserviceeastside.com`**
(If different from the owner. All questions and correspondence will be directed to the individual listed.)

Address: 13307 SE 57th St

Phone: 206 245 3102

Proposal Title: Hazard Tree

Proposal Location: 13307 SE 57th St
(Street address and nearest cross street or intersection) Provide a legal description if available.

Please attach an 8 ½" x 11" vicinity map that accurately locates the proposal site.

Give an accurate, brief description of the proposal's scope and nature:

1. General description: Hazard tree Removal and replanting
2. Acreage of site: 10,000 squarfeet **9235 SF**
3. Number of dwelling units/buildings to be demolished: None
4. Number of dwelling units/buildings to be constructed: None
5. Square footage of buildings to be demolished: None
6. Square footage of buildings to be constructed: None
7. Quantity of earth movement (in cubic yards): None
8. Proposed land use: Hazard Tree Removal & Replanting 4 western Red cedar
9. Design features, including building height, number of stories and proposed exterior materials: Plant Western Red Cedar
10. Other
9 understory plants of 3 native species will be installed in addition to the replacement trees.

Estimated date of completion of the proposal or timing of phasing:

March 2016

Do you have any plans for future additions, expansion, or further activity related to or connected with this proposal? If yes, explain.

No

Reviewed CLO 2/8/2016

List any environmental information you know about that has been prepared, or will be prepared, directly related to this proposal.

Hazard tree Assesments

Do you know whether applications are pending for governmental approvals of other proposals directly affecting the property covered by your proposal? If yes, explain. List dates applied for and file numbers, if known.

N/A

List any government approvals or permits that will be needed for your proposal, if known. If permits have been applied for, list application date and file numbers, if known.

N/A

Please provide one or more of the following exhibits, if applicable to your proposal.
(Please check appropriate box(es) for exhibits submitted with your proposal):

☐ Land Use Reclassification (rezone) Map of existing and proposed zoning

☐ Preliminary Plat or Planned Unit Development
Preliminary plat map

☒ Clearing & Grading Permit
Plan of existing and proposed grading
Development plans

Hazard tree Remaval in Critical area
Trees to be removed are located within a steep slope critical area and stream buffer.

☐ Building Permit (or Design Review)
Site plan
Clearing & grading plan

☐ Shoreline Management Permit
Site plan

A. ENVIRONMENTAL ELEMENTS

1. **Earth**

a. General description of the site: ☐ Flat ☐ Rolling ☐ Hilly ☒ Steep slopes ☐ Mountains ☐ Other

b. What is the steepest slope on the site (approximate percent slope)?

30° **based on City GIS information, 60% is more accurate**

c. What general types of soil are found on the site (for example, clay, sand, gravel, peat, and muck)? If you know the classification of agricultural soils, specify them and note any prime farmland.

Good soil **AkF: Alderwood and Kitsap soils, very steep**

d. Are there surface indications or history of unstable soils in the immediate vicinity? If so, describe.

No

Reviewed CLO 2/8/2016

e. Describe the purpose, type, and approximate quantities of any filling or grading proposed. Indicate source of fill.

N/A

f. Could erosion occur as a result of clearing, construction, or use? If so, generally describe.

NO

Temporary Erosion and Sedimentation controls, as per BCC 23.76 shall be utilized

g. About what percent of the site will be covered with impervious surfaces after project construction (for example, asphalt or buildings)?

N/A

h. Proposed measures to reduce or control erosion, or other impacts to the earth, if any:

N/A

2. AIR

a. What types of emissions to the air would result from the proposal (i.e. dust, automobile odors, and industrial wood smoke) during construction and when the project is completed? If any, generally describe and give approximate quantities if known.

N/A

b. Are there any off-site sources of emissions or odor that may affect your proposal? If so, generally describe.

No

c. Proposed measures to reduce or control emissions or other impacts to the air, if any:

N/A

3. WATER

a. Surface

(1) Is there any surface water body on or in the immediate vicinity of the site (including year-round and seasonal streams, saltwater, lakes, ponds, wetlands)? If yes, describe type and provide names. If appropriate, state what stream or river it flows into.

Stream at the Bottom of the Hill

Fish - bearing Stream: Coal Creek

(2) Will the project require any work over, in, or adjacent to (within 200 feet) the described waters? If Yes, please describe and attach available plans.

N/A more than 200 feet

Reviewed CLO 2/8/2016

(3) Estimate the amount of fill and dredge material that would be placed in or removed from surface water or wetlands and indicate the area of the site that would be affected. Indicate the source of fill material.

None

(4) Will the proposal require surface water withdrawals or diversions? Give general description, purpose, and approximate quantities if known.

NO

(5) Does the proposal lie within a 100-year floodplain? If so, note location on the site plan.

NO

(6) Does the proposal involve any discharges of waste materials to surface waters? If so, describe the type of waste and anticipated volume of discharge.

NO

b. Ground

(1) Will ground water be withdrawn, or will water be discharged to ground water? Give general description.

NO

(2) Describe waste material that will be discharged into the ground from septic tanks or other sources, if any (for example: Domestic sewage; industrial, containing the following chemicals...; agricultural; etc.) Describe the general size of the system, the number of such systems, the number of houses to be served (if applicable), or the number of animals or humans the system(s) are expected to serve.

N/A

c. Water Runoff (Including storm water)

(1) Describe the source of runoff (including storm water) and method of collection and disposal, if any (include quantities, if known). Where will this water flow? Will this water flow into other waters? If so, describe.

N/A

(2) Could waste materials enter ground or surface waters? If so, generally describe.

NO

Reviewed
CLO
2/8/2016

d. Proposed measures to reduce or control surface, ground, and runoff water impacts, if any:

N/A

4. Plants

a. Check or circle types of vegetation found on the site:

- [x] deciduous tree: alder, maple, aspen, other
- [x] evergreen tree: fir, cedar, pine, other
- [x] shrubs
- [ ] grass
- [ ] pasture
- [ ] crop or grain
- [ ] wet soil plants: cattail, buttercup, bulrush, skunk cabbage, other
- [ ] water plants: water lily, eelgrass, milfoil, other
- [x] other types of vegetation

b. What kind and amount of vegetation will be removed or altered?

2 Hazard trees

c. List threatened or endangered species known to be on or near the site.

None

d. Proposed landscaping, use of native plants, or other measures to preserve or enhance vegetation on the site, if any:

Plant 4 western Red Cedars

5. ANIMALS

a. Check or circle any birds and animals which have been observed on or near the site or are known to be on or near the site:

- [X] Birds: hawk, heron, eagle, songbirds, other: **owls, woodpeckers, jays, doves**
- [X] Mammals: deer, bear, elk, beaver, other: **coyote, raccoon, chipmunk, squirrel, rabbits, opossum, and other small mammals such as voles, shrew and bats**
- [X] Fish: bass, salmon, trout, herring, shellfish, other:

None

Small birds

Reviewed CLO 2/8/2016

b. List any threatened or endangered species known to be on or near the site.

None

c. Is the site part of a migration route? If so, explain.

NO

d. Proposed measures to preserve or enhance wildlife, if any: Maples may be snagged to enhance habitat or large woody debris left of site.

leave Brush to promote habitat

6. Energy and Natural Resources

a. What kinds of energy (electric, natural gas, oil, wood stove, solar) will be used to meet the completed project's energy need? Describe whether it will be used for heating, manufacturing, etc.

N/A

b. Would your project affect the potential use of solar energy by adjacent properties? If so, generally describe.

NO

c. What kinds of energy conservation features are included in the plans of the proposal? List other proposed measures to reduce or control energy impacts, if any:

None

7. Environmental Health

a. Are there any environmental health hazards, including exposure to toxic chemicals, risk of fire and explosion, spill, or hazardous waste, that could occur as a result of this proposal? If so, describe.

None

(1) Describe special emergency services that might be required.

None

(2) Proposed measures to reduce or control environmental health hazards, if any.

None

Reviewed
CLO
2/8/2016

b. Noise

(1) What types of noise exist in the area which may affect your project (for example, traffic, equipment, operation, other)?

None

(2) What types and levels of noise would be created by or associated with the project on a short-term or long-term basis (for example, traffic, construction, operation, other)? Indicate what hours noise would come from the site.

None

(3) Proposed measures to reduce or control noise impacts, if any:

Non

Construction noise shall comply with the requirements of BCC 9.18

8. Land and Shoreline Use

a. What is the current use of the site and adjacent properties?

Single Family Residence

b. Has the site been used for agriculture? If so, describe.

No

c. Describe any structures on the site.

1 Home

d. Will any structures be demolished? If so, what?

No

e. What is the current zoning classification of the site?

Residencial

f. What is the current comprehensive plan designation of the site?

N/A **Single Family - Medium Density**

g. If applicable, what is the current shoreline master program designation of the site?

N/A

h. Has any part of the site been classified as an "environmentally sensitive" area? If so, specify.

Yes Steep Slope **Stream Buffer**

I. Approximately how many people would reside or work in the completed project?

4

j. Approximately how many people would the completed project displace?

None

Reviewed CLO 2/8/2016

k. Proposed measures to avoid or reduce displacement impacts, if any:

N/A

i. Proposed measures to ensure the proposal is compatible with existing and projected land uses and plans, if any:

N/A

9. Housing

a. Approximately how many units would be provided, if any? Indicate whether high, middle, or low-income housing.

N/A

b. Approximately how many units, if any, would be eliminated? Indicate whether high, middle, or low-income housing.

None

c. Proposed measures to reduce or control housing impacts, if any:

None

10. Aesthetics

a. What is the tallest height of any proposed structure(s), not including antennas; what is the principal exterior building material(s) proposed?

N/A

b. What views in the immediate vicinity would be altered or obstructed?

N/A

c. Proposed measures to reduce or control aesthetic impacts, if any:

N/A

Reviewed
CLO
2/8/2016

11. Light and Glare

a. What type of light or glare will the proposal produce? What time of day would it mainly occur?

None

b. Could light or glare from the finished project be a safety hazard or interfere with views?

NO

c. What existing off-site sources of light or glare may affect your proposal?

None

d. Proposed measures to reduce or control light or glare impacts, if any:

None

12. Recreation

a. What designated and informal recreational opportunities are in the immediate vicinity?

N/A

b. Would the proposed project displace any existing recreational uses? If so, describe.

N/A

c. Proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by the project or applicant, if any:

N/A

13. Historic and Cultural Preservation

a. Are there any places or objects listed on, or proposed for, national, state, or local preservation registers known to be on or next to the site? If so, generally describe.

No

b. Generally describe any landmarks or evidence of historic, archeological, scientific, or cultural importance known to be on or next to the site.

No

c. Proposed measures to reduce or control impacts, if any:

None

14. Transportation

a. Identify public streets and highways serving the site, and describe proposed access to the existing street system. Show on site plans, if any.

N/A

b. Is site currently served by public transit? If not, what is the approximate distance to the nearest transit stop?

N/A

c. How many parking spaces would be completed project have? How many would the project eliminate?

N/A

Reviewed
CLO
2/8/2016

d. Will the proposal require any new roads or streets, or improvements to existing roads or streets, not including driveways? If so, generally describe (indicate whether public or private).

N/A

e. Will the project use (or occur in the immediate vicinity of) water, rail, or air transportation? If so, generally describe.

N/A

f. How many vehicular trips per day would be generated by the completed project? If known, indicate when peak volumes would occur.

N/A

g. Proposed measures to reduce or control transportation impacts, if any:

N/A

15. Public Services

a. Would the project result in an increased need for the public services (for example: fire protection, police protection, health care, schools, other)? If so, generally describe.

NO

b. Proposed measures to reduce or control direct impacts on public services, if any:

None

16. Utilities

a. Circle utilities currently available at the site: electricity, natural gas, water, refuse service, telephone, sanitary sewer, septic system, other.

N/A

b. Describe the utilities that are proposed for the project, the utility providing the service, and the general construction activities on the site or in the immediate vicinity which might be needed.

N/A

Reviewed
CLO
2/8/2016

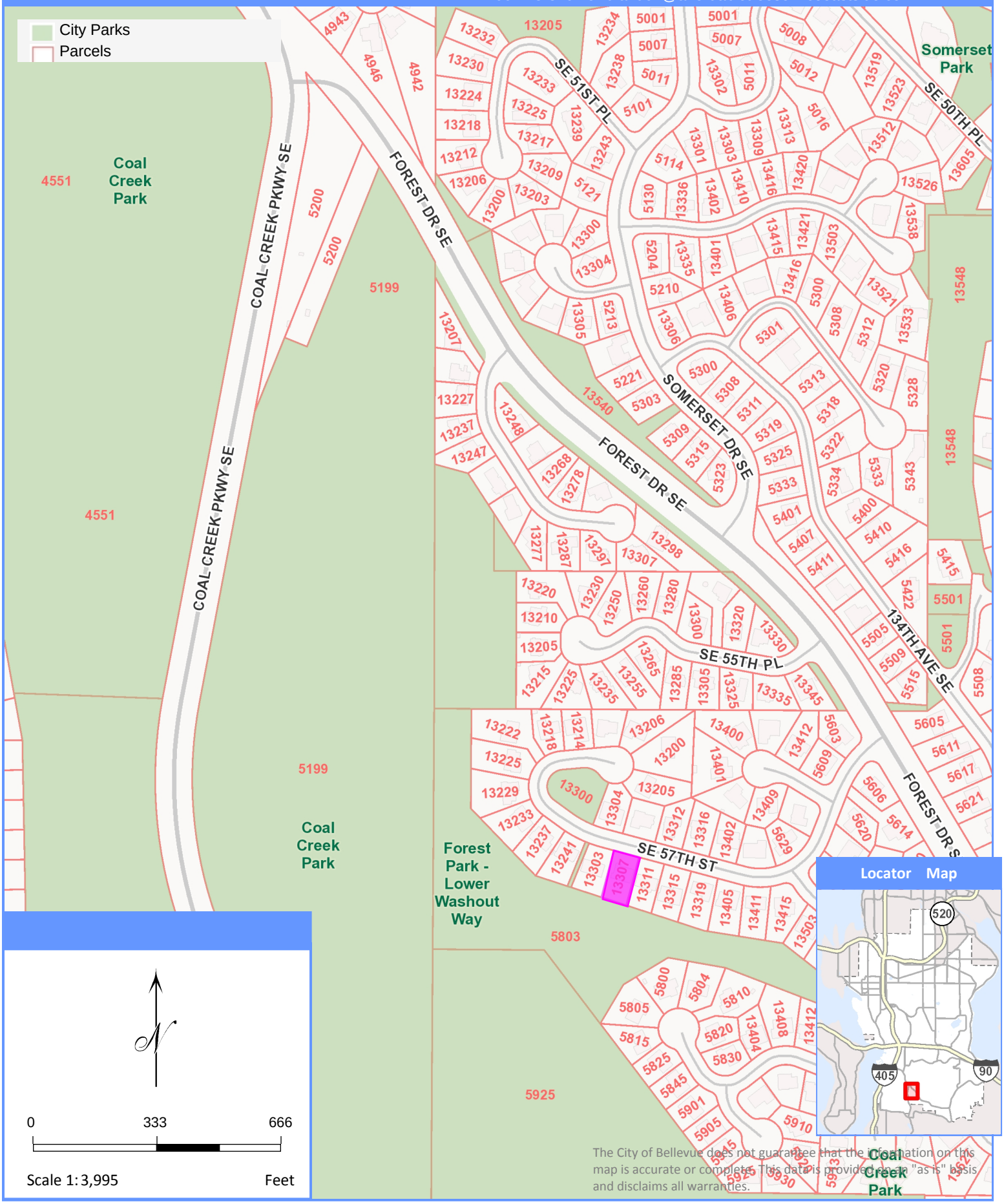
Signature

The above answers are true and complete to the best of my knowledge. I understand that the lead agency is relying on them to make its decision.

Signature..... Date Submitted.....1-25-20K.....

15-130191-GJ
Vaupell Tree Removal
13307 SE 57th St

Contractor: Affordable Tree Service Eastside
Attn: Brandon Grote
P.O. Box 50303
Bellevue, WA 98015
206-245-3102 or brandon@affordabletreeserviceeastside.com



The City of Bellevue does not guarantee that the information on this map is accurate or complete. This data is provided on an "as is" basis and disclaims all warranties.

Map Generated on: 02/08/2016

15-130191-GJ

Vaupell Residence Tree Removal

13307 SE 57th St

Contractor: Affordable Tree Service Eastside
Attn: Brandon Grote
P.O. Box 50303
Bellevue, WA 98015
206-245-3102 or brandon@affordabletreeserviceeastside.com

= Existing Tree

= Western Red Cedar
Thuya Plicata

= Western Serviceberry
Amelanchier Alnifolial

= Osoberry
Oemleria cerasiformis

= Red Elderberry
Sambucus racemosal

13307 SE 57TH ST

13303 SE 57TH ST

Distance from Home
18'-4"

13307 SE 57TH ST

Top of Bank

40' NGPE

13311 SE 57TH ST

Trees to be removed

Forest Park - Lower Washout Way

0 10 20
Scale 1:120 Feet

Locator Map

The City of Bellevue does not guarantee that the information on this map is accurate or complete. This data is provided on an "as is" basis and disclaims all warranties.

Map Generated on: 01/19/2016

ISA Basic Tree Risk Assessment Form

Client Affordable Tree Care Service Date 12/21/2015 Time 9 AM

Address/Tree location 13307 SE 57th St., Bellevue, WA 98006 Tree no. 1 Sheet 1 of 2

Tree species Big leaf Maple dbh 7,12,7,6 Height 65 Crown spread dia. 36

Assessor(s) Tom Hanson Time frame 3 year Tools used tape, Relaskop

Target Assessment

Target number	Target description	Target zone: Target within drip line	Target zone: Target within 1 x Ht.	Target zone: Target within 1.5 x Ht.	Occupancy rate 1–rare 2–occasional 3–frequent 4–constant	Practical to move target?	Restriction practical?
1	Landscape	✓			1	N	N
2	Residence			✓	3	N	N
3							
4							

Site Factors

History of failures None evident Topography Flat☐ Slope☒ 30 % Aspect S

Site changes None☐ Grade change☐ Site clearing☐ Changed soil hydrology☐ Root cuts☐ Describe

Soil conditions Limited volume☐ Saturated☐ Shallow☐ Compacted☐ Pavement over roots☐ ____% Describe

Prevailing wind direction SW Common weather Strong winds☒ Ice☐ Snow☐ Heavy rain☒ Describe

Tree Health and Species Profile

Vigor Low☐ Normal☒ High☐ Foliage None (seasonal)☒ None (dead)☐ Normal 100 % Chlorotic ____% Necrotic ____%

Pests Abiotic

Species failure profile Branches☒ Trunk☐ Roots☐ Describe Branch break out common

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 planned change in load factors

Tree Defects and Conditions Affecting the Likelihood of Failure

— Crown and Branches —

Unbalanced crown☒ LCR 65 %

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

Main concern(s)

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

Main concern(s) Long term crowding

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

Main concern(s)

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

Likelihood of failure

Improbable☐ Possible☐ Probable☐ Imminent☐

Received
DEC 23 2015
Permit Processing

Risk Categorization

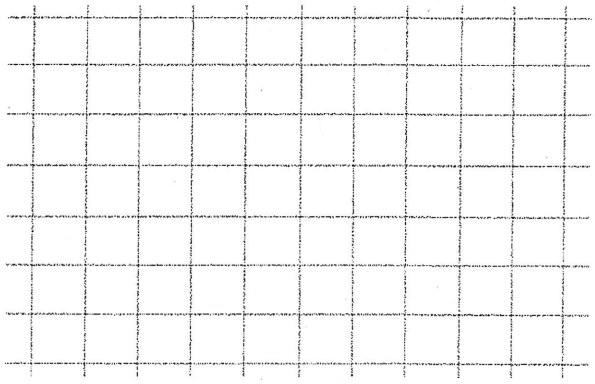
Condition number	Tree part	Conditions of concern	Part size	Fall distance	Target number	Target protection	Likelihood: Failure: Improbable	Likelihood: Failure: Possible	Likelihood: Failure: Probable	Likelihood: Failure: Imminent	Likelihood: Impact: Very low	Likelihood: Impact: Low	Likelihood: Impact: Medium	Likelihood: Impact: High	Likelihood: Failure & Impact (from Matrix 1): Unlikely	Likelihood: Failure & Impact (from Matrix 1): Somewhat	Likelihood: Failure & Impact (from Matrix 1): Likely	Likelihood: Failure & Impact (from Matrix 1): Very likely	Consequences: Negligible	Consequences: Minor	Consequences: Significant	Consequences: Severe	Risk rating of part (from Matrix 2)
1	Limbs	Limb drop	3"	50'	1	None	○	○	●	○	○	●	○	○	●	○	○	○	○	●	○	○	Low
							○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
							○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
2	Trunk	Long term crowding	6"	50'	1	None	○	●	○	○	○	●	○	○	●	○	○	○	○	●	○	○	Low
							○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
							○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
3							○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
							○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
							○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
4							○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
							○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
							○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	

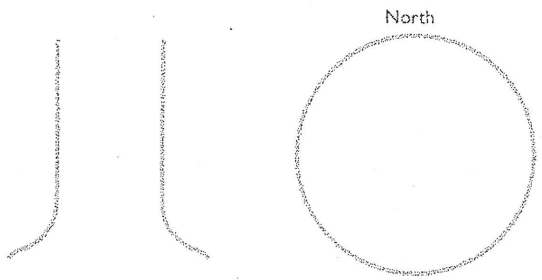
Matrix 1. Likelihood matrix.

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

Matrix 2. Risk rating matrix.

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





Notes, explanations, descriptions
Immature tree is fine for the exam period. Expect crowding and Limb Drop in the future

Mitigation options
Remove Dead wood as it develops

Residual risk
Residual risk Low
Residual risk
Residual risk

Overall tree risk rating Low ■ Moderate ☐ High ☐ Extreme ☐

Work priority 1 ☐ 2 ☐ 3 ☐ 4 ■

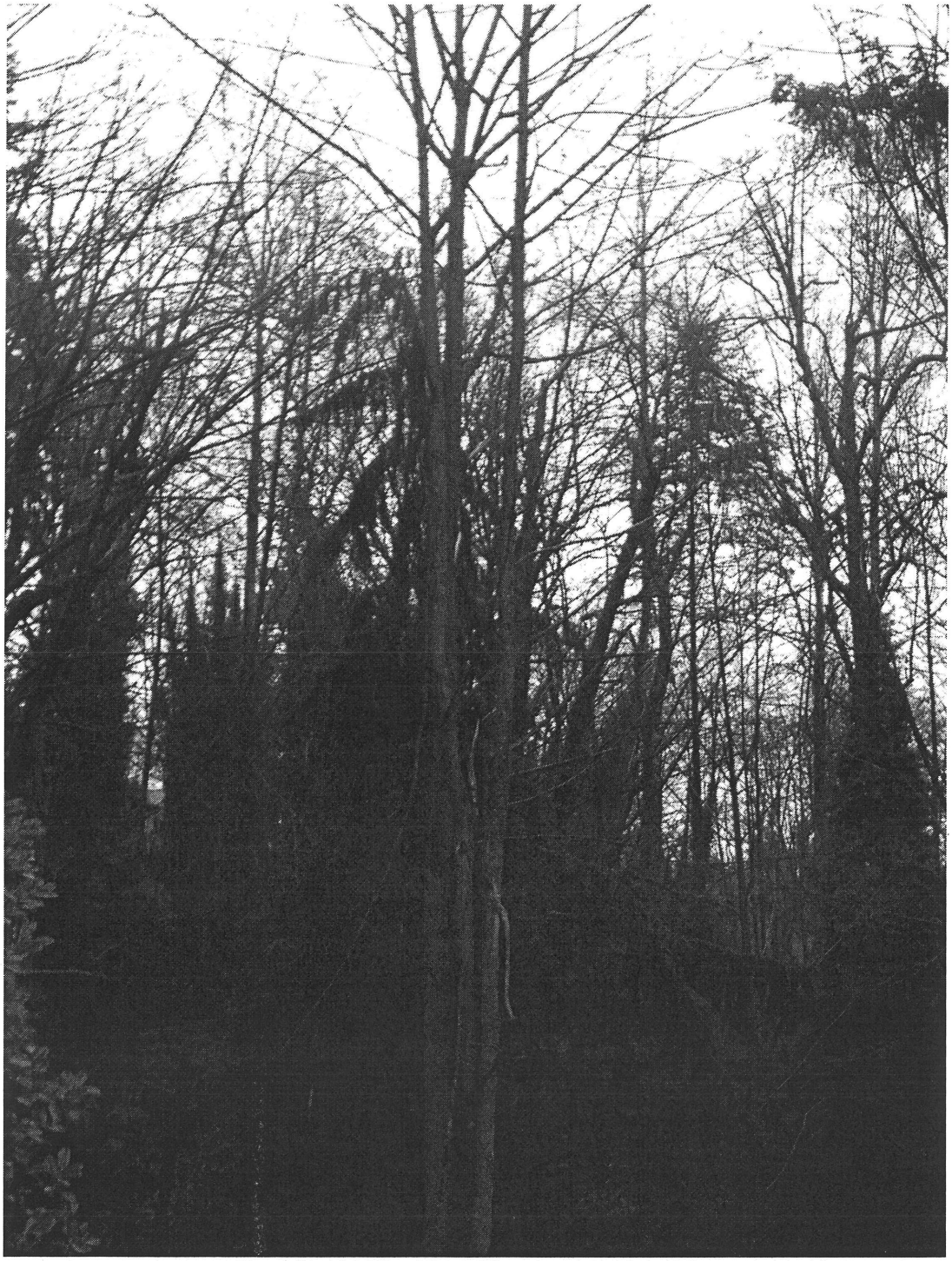
Overall residual risk Low ■ Moderate ☐ High ☐ Extreme ☐

Recommended inspection interval 3 years

Data ■ Final ☐ Preliminary **Advanced assessment needed** ■ No ☐ Yes-Type/Reason

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

This datasheet was produced by the International Society of Arboriculture (ISA) and is intended for use by Tree Risk Assessment Qualified (TRAQ) arborists – 2013



Tree #1 13307 – Note Closely spaced Trunks

ISA Basic Tree Risk Assessment Form

Client Affordable Tree Care Service Date 12/21/2015 Time 9 AM

Address/Tree location 13307 SE 57th St., Bellevue, WA 98006 Tree no. 2 Sheet 1 of 2

Tree species Big leaf Maple dbh 9 Height 60 Crown spread dia. 22

Assessor(s) Tom Hanson Time frame 3 year Tools used tape, Relaskop

Target Assessment

Target number	Target description	Target zone: Target within drip line	Target zone: Target within 1 x Ht.	Target zone: Target within 1.5 x Ht.	Occupancy rate (1 – rare, 2 – occasional, 3 – frequent, 4 – constant)	Practical to move target?	Restriction practical?
1	Landscape	✓			1	N	N
2	Residence			✓	3	N	N
3							
4							

Site Factors

History of failures None evident Topography Flat ☐ Slope ☒ 30 % Aspect S

Site changes None ☐ Grade change ☐ Site clearing ☐ Changed soil hydrology ☐ Root cuts ☐ Describe

Soil conditions Limited volume ☐ Saturated ☐ Shallow ☐ Compacted ☐ Pavement over roots ☐ ____% Describe

Prevailing wind direction SW Common weather Strong winds ☒ Ice ☐ Snow ☐ Heavy rain ☒ Describe

Tree Health and Species Profile

Vigor Low ☐ Normal ☒ High ☐ Foliage None (seasonal) ☒ None (dead) ☐ Normal 100 % Chlorotic ____% Necrotic ____%

Pests Abiotic

Species failure profile Branches ☒ Trunk ☐ Roots ☐ Describe Branch break out common

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 planned change in load factors

Tree Defects and Conditions Affecting the Likelihood of Failure

— Crown and Branches —

Unbalanced crown ☒ LCR 60 %

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

Main concern(s)

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 60 % circ. Depth through Poor taper ☐

Lean 20 ° Corrected? yes

Response growth

Main concern(s) Decay, trunk breakage

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

Main concern(s)

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

Likelihood of failure

Improbable ☐ Possible ☐ Probable ☐ Imminent ☐

Receive
DEC 23 2015
Permit Process

Risk Categorization

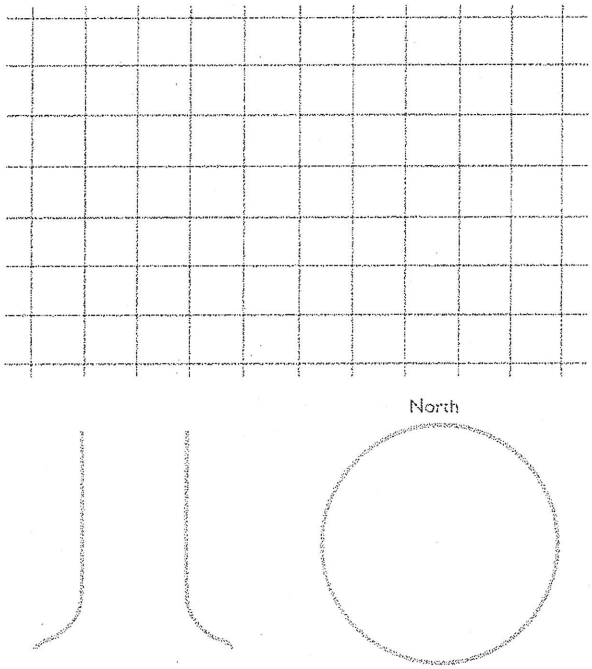
Condition number	Tree part	Conditions of concern	Part size	Fall distance	Target number	Target protection	Likelihood: Failure: Improbable	Likelihood: Failure: Possible	Likelihood: Failure: Probable	Likelihood: Failure: Imminent	Likelihood: Impact: Very low	Likelihood: Impact: Low	Likelihood: Impact: Medium	Likelihood: Impact: High	Likelihood: Failure & Impact (from Matrix 1): Unlikely	Likelihood: Failure & Impact (from Matrix 1): Somewhat	Likelihood: Failure & Impact (from Matrix 1): Likely	Likelihood: Failure & Impact (from Matrix 1): Very likely	Consequences: Negligible	Consequences: Minor	Consequences: Significant	Consequences: Severe	Risk rating of part (from Matrix 2)
1	Limbs	Limb drop	3"	30'	1	None	○	○	◉	○	○	◉	○	○	◉	○	○	○	○	◉	○	○	Low
							○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
							○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
2	Trunk	Failure	6"	30"	1	None	○	○	◉	○	○	◉	○	○	○	○	◉	○	○	◉	○	○	Moderat
							○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
							○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
3							○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
							○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
							○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
4							○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
							○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
							○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	

Matrix 1. Likelihood matrix.

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

Matrix 2. Risk rating matrix.

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



Notes, explanations, descriptions Perched trunk with decay

Mitigation options Remove Tree

Residual risk Low

Overall tree risk rating Low ☐ Moderate ■ High ☐ Extreme ☐

Work priority 1 ☐ 2 ■ 3 ☐ 4 ☐

Overall residual risk Low ■ Moderate ☐ High ☐ Extreme ☐

Recommended inspection interval NA

Data ■ Final ☐ Preliminary **Advanced assessment needed** ■ No ☐ Yes-Type/Reason

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

This datasheet was produced by the International Society of Arboriculture (ISA) and is intended for use by Tree Risk Assessment Qualified (TRAQ) arborists – 2013

Tree # 2 on 13307 – Note Decay and weak lower Trunk