DEPARTMENT OF PLANNING AND COMMUNITY DEVELOPMENT
ENVIRONMENTAL COORDINATOR
450 110th Ave NE., P.O. BOX 90012
BELLEVUE, WA 98009-9012

OPTIONAL DETERMINATION OF NON-SIGNIFICANCE (DNS) NOTICE MATERIALS

The attached materials are being sent to you pursuant to the requirements for the Optional DNS Process (WAC 197-11-355). A DNS on the attached proposal is likely. This may be the only opportunity to comment on environmental impacts of the proposal. Mitigation measures from standard codes will apply. Project review may require mitigation regardless of whether an EIS is prepared. A copy of the subsequent threshold determination for this proposal may be obtained upon request.

File No.	07-123110-GH
Project Name/Address:	Windcrest Ridge Homeowners Association Habitat Snags 2458 134th Ave SE
Planner:	Carol L. Orr
Phone Number:	425-452-2896
Minimum Comment Period:	**9/20/07**

Materials included in this Notice:

- ☒ Blue Bulletin
- ☒ Checklist
- ☒ Vicinity Map
- ☐ Plans
- ☒ Other: Hazardous Tree Assessment Forms

ENVIRONMENTAL CHECKLIST

4/18/02

Thank you in advance for your cooperation and adherence to these procedures. If you need assistance in completing the checklist or have any questions regarding the environmental review process, please visit or call the Permit Center (425-452-6864) between 8 a.m. and 4 p.m., Monday through Friday (Wednesday, 10 to 4). Our TTY number is 425-452-4636.

INTRODUCTION

Purpose of the Checklist:

The State Environmental Policy Act (SEPA), Chapter 43.21c RCW, requires all governmental agencies to consider the environmental impacts of a proposal before making decisions. An environmental impact statement (EIS) must be prepared for all proposals with probable significant adverse impacts on the quality of the environment. The purpose of this checklist is to provide information to help you and the City of Bellevue identify impacts from your proposal (and to reduce or avoid impacts from the proposal, if it can be done) and to help the City decide whether an EIS is required.

Instructions for Applicants:

This environmental checklist asks you to describe some basic information about your proposal. Answer the questions briefly, with the most precise information known, or give the best description you can. You must answer each question accurately and carefully, to the best of your knowledge. In most cases, you should be able to answer the questions from your own observations or project plans without the need to hire experts. If you really do not know the answer or if a question does not apply to your proposal, write "do not know" or "does not apply." Giving complete answers to the questions now may avoid unnecessary delays later.

Some questions ask about governmental regulations such as zoning, shoreline, and landmark designations. Answer these questions if you can. If you have problems, the Planner in the Permit Center can assist you.

The checklist questions apply to all parts of your proposal, even if you plan to do them over a period of time or on different parcels of land. Attach any additional information that will help describe your proposal or its environmental effects. Include reference to any reports on studies that you are aware of which are relevant to the answers you provide. The City may ask you to explain your answers or provide additional information reasonably related to determining if there may be significant adverse impacts.

Use of a Checklist for Nonproject Proposals: *A nonproject proposal includes plans, policies, and programs where actions are different or broader than a single site-specific proposal.*

For nonproject proposals, complete the Environmental Checklist even though you may answer "does not apply" to most questions. In addition, complete the Supplemental Sheet for Nonproject Actions available from Permit Processing.

For nonproject actions, the references in the checklist to the words *project*, *applicant*, and *property* or *site* should be read as *proposal*, *proposer*, and *affected geographic area*, respectively.

Attach an 8 ½" x 11 vicinity map which accurately locates the proposed site.

City of Bellevue Submittal Requirements | **27a**

ENVIRONMENTAL CHECKLIST

4/18/02

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BACKGROUND INFORMATION

Property Owner: Windcrest Ridge HOA

Proponent:

Contact Person: David Deress
(If different from the owner. All questions and correspondence will be directed to the individual listed.)

Address: 2501 134th Ave SE
Bellevue WA 98005

Phone: 425-653-5581

Proposal Title: Reduce proposed 3 trees to habitat Snags.

Proposal Location:
(Street address and nearest cross street or intersection) Provide a legal description if available.
Windcrest Ridge HOA - Tract C 134th Ave. SE
Please attach an 8 ½" x 11" vicinity map that accurately locates the proposal site. 2500 Block

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

1. General description: non-disturbance area
2. Acreage of site: not known
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: none
9. Design features, including building height, number of stories and proposed exterior materials: none
10. Other

8/29/07

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

ASAP

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

No

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

Arborist Proposal
HAZARD TREE ASSESSMENT FORMS

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.

no

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.

none

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 PERMIT # 07-123110-GH
Plan of existing and proposed grading
Development plans

☐ 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 non-disturbance

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

unknown ≈ 38% NOT CRITICAL SLOPE.

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.

unknown AgD

9/26

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

unknown

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

none

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

No, TREE ROOT SYSTEM WOILL NOT BE REMOVED, & REPLANTINGS ARE TO BE INSTALLED unknown

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

none

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

TREE ROOT SYSTEM WOILL NOT BE REMOVED, & REPLANTINGS ARE TO BE INSTALLED none

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.

1 day of tree services.

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: none

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

8/29/07

appropriate, state what stream or river it flows into.

Small pond & creek
UNCLASSIFIED WETLAND & STREAM WITHIN THE TRACT.

(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.

See attached -.

(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.

none

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

No unknown

(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.

none

8/20/07

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.

No RUNOFF ASSOCIATED WITH THIS PROJECT. unknown

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

unknown

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

none

4. Plants

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

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

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

~~47~~ trees to be made into snags

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

unknown

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

8 REPLACEMENT TREES none

8/29/07

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, DOVES, JAYS
- [x] Mammals: deer, bear, elk, beaver, other: racoons, CHIPMUNK, SQUIRREL, COYOTE RABBITS, OPOSSUM.
- [ ] Fish: bass, salmon, trout, herring, shellfish, other:

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

unknown

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

unknown

d. Proposed measures to preserve or enhance wildlife, if any:

WILDLIFE SNAGS & REPLACEMENT Snagged trees TREES WILL ENHANCE WILDLIFE 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.

not-applicable

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

not-applicable

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:

not-applicable

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.

No

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

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

8/29/07

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.

1 Day - Tree Service equipment

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

none
NOISE SHALL COMPLY WITH BCC 9.18

8. Land and Shoreline Use

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

non-disturbance tract next to private home owners

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

no

c. Describe any structures on the site.

none

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

no

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

non-disturbance tract

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

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

not applicable

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

unknown

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

none

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

none

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

, unknown

8/29/07

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

none

9. Housing

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

not-applicable

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

not-applicable

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

not-applicable

10. Aesthetics not-applicable

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

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

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

11. Light and Glare not-applicable

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

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

8/29/07

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

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

12. Recreation not-applicable

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

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

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

13. Historic and Cultural Preservation not-applicable

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.

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

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

14. Transportation not-applicable

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

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

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

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).

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

8/29/07

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

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

15. Public Services not - applicable

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.

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

16. Utilities

a. Circle utilities currently available at the site: electricity, natural gas, water, refuse service, telephone, sanitary sewer, septic system, other.
none

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.
None

Signature

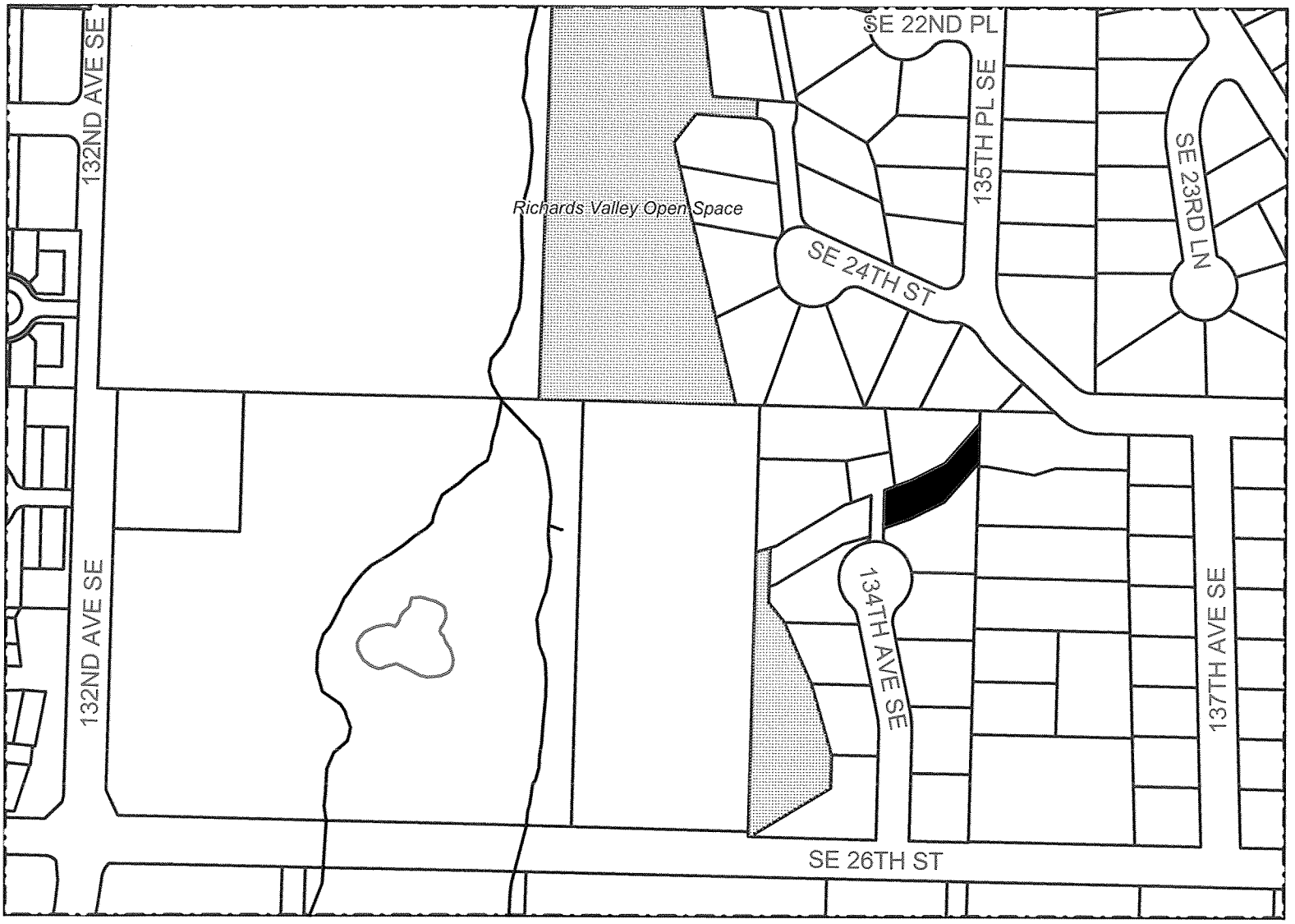
The above answers are true and complete to the best of my knowledge. I understand that the lead agency is relying on them to make its decision.

Signature.....

Date Submitted.....6-20-2007.....

8/29/07

Windcrest Ridge Homeowner's Association Non-Disturbance Tract



12/30/02

Hazardous Tree Form

Department of Planning & Community Development

For the removal of hazardous trees within:

- **A Protected Area**
- **A Native Growth Protection Area (NGPA)**
- **A Retained Vegetation Area (RVA) (Including Significant Trees required to be retained on non-residential sites).**

A **CERTIFIED ARBORIST** must attest to the condition of the trees proposed for removal by checking all statements that apply and signing and dating this form:

☑ The trees proposed for removal have been certified as hazardous.*

☑ The potential target(s) cannot be moved.

☐ Pruning or partially removing parts of the tree(s) will not alleviate the hazard.

☑ The root system(s) will be left intact; stumps will remain ~~or be ground rather than removed~~.

Comments: In order to maintain protection for stream buffer the trees should be reduced to habitat snags

Arborist Contact Information:

Name: Robert W. Williams

Company: Robert W. Williams + Associates, Consulting Arborists

Phone #: (206) 522-7262

Signature of Arborist

5/1/07
Date

*** A COPY OF A COMPLETED INTERNATIONAL SOCIETY OF ARBORICULTURE "TREE HAZARD EVALUATION FORM" *MUST BE INCLUDED WITH THIS FORM. PLEASE OBTAIN* THAT FORM FROM YOUR ARBORIST. INCLUDE ONE HAZARDOUS EVALUATION PER TREE.**

TREE DEFECTS

ROOT DEFECTS:

Suspect root rot: (Y) N **Mushroom/conk/bracket present:** Y (N) **ID:** _____

Exposed roots: ☐ severe ☒ moderate ☐ low **Undermined:** ☐ severe ☐ moderate ☐ low

Root pruned: _____ distance from trunk **Root area affected:** _____% **Buttress wounded:** Y N **When:** _____

Restricted root area: ☐ severe ☐ moderate ☐ low **Potential for root failure:** ☒ severe ☐ moderate ☐ low

LEAN: _____ deg. from vertical ☐ natural ☐ unnatural ☐ self-corrected **Soil heaving:** Y N

Decay in plane of lean: Y N **Roots broken** Y N **Soil cracking:** Y N

Compounding factors: _____ **Lean severity:** ☐ severe ☐ moderate ☐ low

CROWN DEFECTS: Indicate presence of individual defects and rate their severity (s = severe, m = moderate, l = low)

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper		✓		
Bow, sweep				
Codominants/forks				
Multiple attachments				
Included bark				
Excessive end weight			✓	✓
Cracks/splits				
Hangers			✓	✓
Girdling				
Wounds/seam		✓		
Decay		✓		
Cavity				
Conks/mushrooms/bracket				
Bleeding/sap flow				
Loose/cracked bark				
Nesting hole/bee hive				
Deadwood/stubs			✓	✓
Borers/termites/ants				
Cankers/galls/burls				
Previous failure			✓	✓

HAZARD RATING

Tree part most likely to fail: Whole Tree

Inspection period: _____ annual _____ biannual _____ other _____

Failure Potential + Size of Part + Target Rating = Hazard Rating

3 + 2 + 4 = 9

Failure potential: 1 - low; 2 - medium; 3 - high; 4 - severe
Size of part: 1 - <6″ (15 cm); 2 - 6-18″ (15-45 cm); 3 - 18-30″ (45-75 cm); 4 - >30″ (75 cm)
Target rating: 1 - occasional use; 2 intermittent use; 3 - frequent use; 4 - constant use

HAZARD ABATEMENT

Prune: ☐ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☒ crown reduce ☐ restructure ☐ shape

Cable/Brace: _____ **Inspect further:** ☐ root crown ☐ decay ☐ aerial ☐ monitor

Remove tree: Y N **Replace?** Y N **Move target:** Y N **Other:** Create habitat snag by Crown reduction

Effect on adjacent trees: ☒ none ☐ evaluate

Notification: ☐ owner ☐ manager ☒ governing agency **Date:** 5/1/07

COMMENTS

Specimen: TREE HAZARD EVALUATION FORM, Page 2

A Photographic Guide to the Evaluation of Hazard Trees in Urban Areas

TREE HAZARD EVALUATION FORM 2nd Edition

Site/Address: Windcrest Ridge HOA

Map/Location: Stream Buffer

Owner: public ✓ private ✓ unknown ____ other ____

Date: 5/1/07 Inspector: Robert W. Williams PN0176A

Date of last inspection: 3/20/07

HAZARD RATING:

Failure Potential	+	Size of part	+	Target Rating	=	Hazard Rating
3	+	2	+	4	=	9

✓ Immediate action needed

____ Needs further inspection

____ Dead tree

TREE CHARACTERISTICS

Tree #: 2 **Species:** Cottonwood (Populus trichocarpa)

DBH: 16 **# of trunks:** 1 **Height:** 78' **Spread:** 25'

Form: ☐ generally symmetric ☐ minor asymmetry ☒ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☒ dominant ☐ co-dominant ☐ intermediate ☐ suppressed

Live crown ratio: ____ % **Age class:** ☐ young ☒ semi-mature ☐ mature ☐ over-mature/senescent

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☐ flush cuts ☐ cabled/braced ☒ none ☐ multiple pruning events Approx. dates: ____

Special Value: ☐ specimen ☐ heritage/historic ☐ wildlife ☐ unusual ☐ street tree ☐ screen ☐ shade ☒ indigenous ☐ protected by gov. agency

TREE HEALTH

Foliage color: ☐ normal ☐ chlorotic ☐ necrotic **Epicormics?** Y (N)

Foliage density: ☐ normal ☒ sparse **Leaf size:** ☒ normal ☐ small

Annual shoot growth: ☐ excellent ☐ average ☐ poor **Twig Dieback?** (Y) N

Woundwood development: ☐ excellent ☐ average ☒ poor ☐ none

Vigor class: ☐ excellent ☐ average ☒ fair ☐ poor

Major pests/diseases: ____

Growth obstructions: ☐ stakes ☐ wire/ties ☐ signs ☐ cables ☐ curb/pavement ☐ guards ☐ other ____

SITE CONDITIONS

Site Character: ☐ residence ☐ commercial ☐ industrial ☐ park ☐ open space ☒ natural ☐ woodland/forest

Landscape type: ☐ parkway ☐ raised bed ☐ container ☐ mound ☐ lawn ☐ shrub border ☐ wind break

Irrigation: ☐ none ☐ adequate ☐ inadequate ☐ excessive ☐ trunk wettled

Recent site disturbance? Y (N) ☐ construction ☐ soil disturbance ☐ grade change ☐ line clearing ☐ site clearing

% dripline paved: 0% 10-25% 25-50% 50-75% 75-100% **Pavement lifted?** Y N

% dripline w/ fill soil: 0% 10-25% 25-50% 50-75% 75-100%

% dripline grade lowered: 0% 10-25% 25-50% 50-75% 75-100%

Soil problems: ☒ drainage ☐ shallow ☐ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of fail ☐ clay ☐ expansive ☐ slope ____° aspect: ____

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☐ overhead lines ☐ underground utilities ☐ traffic ☐ adjacent veg. ☐ ____

Exposure to wind: ☐ single tree ☐ below canopy ☐ above canopy ☐ recently exposed ☒ windward, canopy edge ☒ area prone to windthrow

Prevailing wind direction: SSW Occurrence of snow/ice storms ☐ never ☐ seldom ☐ regularly

TARGET

Use Under Tree: ☒ building ☐ parking ☐ traffic ☒ pedestrian ☐ recreation ☒ landscape ☐ hardscape ☐ small features ☐ utility lines

Can target be moved? Y (N) **Can use be restricted?** Y (N)

Occupancy: ☐ occasional use ☐ intermittent use ☐ frequent use ☒ constant use

Specimen: TREE HAZARD EVALUATION FORM, Page 1

TREE DEFECTS

ROOT DEFECTS:

Suspect root rot: (Y) N **Mushroom/conk/bracket present:** Y (N) **ID:** _____

Exposed roots: ☐ severe ☒ moderate ☐ low **Undermined:** ☐ severe ☐ moderate ☐ low

Root pruned: _____ distance from trunk **Root area affected:** _____% **Buttress wounded:** Y N **When:** _____

Restricted root area: ☐ severe ☐ moderate ☐ low **Potential for root failure:** ☒ severe ☐ moderate ☐ low

LEAN: _____ deg. from vertical ☐ natural ☐ unnatural ☐ self-corrected **Soil heaving:** Y N

Decay in plane of lean: Y N **Roots broken** Y N **Soil cracking:** Y N

Compounding factors: _____ **Lean severity:** ☐ severe ☐ moderate ☐ low

CROWN DEFECTS: Indicate presence of individual defects and rate their severity (s = severe, m = moderate, l = low)

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper		✓		
Bow, sweep				
Codominants/forks				
Multiple attachments				
Included bark				
Excessive end weight			✓	✓
Cracks/splits		✓		
Hangers			✓	✓
Girdling				
Wounds/seam		✓		
Decay		✓		
Cavity				
Conks/mushrooms/bracket				
Bleeding/sap flow				
Loose/cracked bark				
Nesting hole/bee hive				
Deadwood/stubs			✓	✓
Borers/termites/ants				
Cankers/galls/burls				
Previous failure			✓	✓

HAZARD RATING

Tree part most likely to fail: Whole Tree

Inspection period: _____ annual _____ biannual _____ other _____

Failure Potential + Size of Part + Target Rating = Hazard Rating

3 + 3 + 4 = 10

Failure potential: 1 - low; 2 - medium; 3 - high; 4 - severe
Size of part: 1 - <6″ (15 cm); 2 - 6-18″ (15-45 cm);
3 - 18-30″ (45-75 cm); 4 - >30″ (75 cm)
Target rating: 1 - occasional use; 2 intermittent use;
3 - frequent use; 4 - constant use

HAZARD ABATEMENT

Prune: ☐ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☒ crown reduce ☐ restructure ☐ shape

Cable/Brace: _____ **Inspect further:** ☐ root crown ☐ decay ☐ aerial ☐ monitor

Remove tree: Y N **Replace?** Y N **Move target:** Y N **Other:** Create habitat snag by crown reduction

Effect on adjacent trees: ☒ none ☐ evaluate

Notification: ☐ owner ☐ manager ☒ governing agency **Date:** 5/1/07

COMMENTS

Specimen: TREE HAZARD EVALUATION FORM, Page 2

A Photographic Guide to the Evaluation of Hazard Trees in Urban Areas

TREE HAZARD EVALUATION FORM 2nd Edition

Site/Address: Windcrest Ridge HOA
Map/Location: Stream Buffer
Owner: public ✓ private ✓ unknown ____ other ____
Date: 5/1/07 Inspector: Robert W. Williams PN0176A
Date of last inspection: 3/20/07

HAZARD RATING:

Failure Potential	+	Size of part	+	Target Rating	=	Hazard Rating
3	+	3	+	4	=	10

✓ Immediate action needed
____ Needs further inspection
____ Dead tree

TREE CHARACTERISTICS

Tree #: 3 **Species:** Cottonwood (Populus trichocarpa)
DBH: 20" **# of trunks:** 1 **Height:** 85' **Spread:** 35'

Form: ☐ generally symmetric ☐ minor asymmetry ☒ major asymmetry ☐ stump sprout ☐ stag-headed
Crown class: ☒ dominant ☐ co-dominant ☐ intermediate ☐ suppressed
Live crown ratio: ____ % **Age class:** ☐ young ☐ semi-mature ☒ mature ☐ over-mature/senescent
Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☐ flush cuts ☐ cabled/braced ☒ none ☐ multiple pruning events Approx. dates: ____
Special Value: ☐ specimen ☐ heritage/historic ☐ wildlife ☐ unusual ☐ street tree ☐ screen ☐ shade ☒ indigenous ☐ protected by gov. agency

TREE HEALTH

Foliage color: ☐ normal ☐ chlorotic ☐ necrotic **Epicormics?** Y (N)
Foliage density: ☐ normal ☒ sparse **Leaf size:** ☐ normal ☐ small
Annual shoot growth: ☐ excellent ☐ average ☐ poor **Twig Dieback?** (Y) N
Woundwood development: ☐ excellent ☐ average ☒ poor ☐ none
Vigor class: ☐ excellent ☐ average ☒ fair ☒ poor
Major pests/diseases: ____

Growth obstructions:
☐ stakes ☐ wire/ties ☐ signs ☐ cables
☐ curb/pavement ☐ guards
☐ other ____

SITE CONDITIONS

Site Character: ☐ residence ☐ commercial ☐ industrial ☐ park ☐ open space ☒ natural ☐ woodland/forest
Landscape type: ☐ parkway ☐ raised bed ☐ container ☐ mound ☐ lawn ☐ shrub border ☐ wind break
Irrigation: ☐ none ☐ adequate ☐ inadequate ☐ excessive ☐ trunk wettled
Recent site disturbance? Y (N) ☐ construction ☐ soil disturbance ☐ grade change ☐ line clearing ☐ site clearing
% dripline paved: 0% 10-25% 25-50% 50-75% 75-100% **Pavement lifted?** Y N
% dripline w/ fill soil: 0% 10-25% 25-50% 50-75% 75-100%
% dripline grade lowered: 0% 10-25% 25-50% 50-75% 75-100%
Soil problems: ☒ drainage ☐ shallow ☐ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of fail ☐ clay ☐ expansive ☐ slope ____ ° aspect: ____
Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☐ overhead lines ☐ underground utilities ☐ traffic ☐ adjacent veg. ☐ ____
Exposure to wind: ☐ single tree ☐ below canopy ☐ above canopy ☐ recently exposed ☒ windward, canopy edge ☒ area prone to windthrow
Prevailing wind direction: SSW Occurrence of snow/ice storms ☐ never ☐ seldom ☐ regularly

TARGET

Use Under Tree: ☒ building ☐ parking ☐ traffic ☒ pedestrian ☐ recreation ☒ landscape ☐ hardscape ☐ small features ☐ utility lines
Can target be moved? Y (N) **Can use be restricted?** Y (N)
Occupancy: ☐ occasional use ☐ intermittent use ☐ frequent use ☒ constant use

Specimen: TREE HAZARD EVALUATION FORM, Page 1

TREE DEFECTS

ROOT DEFECTS:

Suspect root rot: (Y) N **Mushroom/conk/bracket present:** Y (N) **ID:** _____

Exposed roots: ☐ severe ☒ moderate ☐ low **Undermined:** ☐ severe ☐ moderate ☐ low

Root pruned: _____ distance from trunk **Root area affected:** _____ % **Buttress wounded:** Y N **When:** _____

Restricted root area: ☐ severe ☐ moderate ☐ low **Potential for root failure:** ☒ severe ☐ moderate ☐ low

LEAN: 15° deg. from vertical ☐ natural ☐ unnatural ☐ self-corrected **Soil heaving:** Y N

Decay in plane of lean: Y N **Roots broken** Y N **Soil cracking:** Y N

Compounding factors: _____ **Lean severity:** ☐ severe ☐ moderate ☐ low

CROWN DEFECTS: Indicate presence of individual defects and rate their severity (s = severe, m = moderate, l = low)

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper		✓		
Bow, sweep				
Codominants/forks				
Multiple attachments				
Included bark				
Excessive end weight			✓	✓
Cracks/splits		✓		
Hangers			✓	✓
Girdling				
Wounds/seam		✓		
Decay		✓		
Cavity				
Conks/mushrooms/bracket				
Bleeding/sap flow				
Loose/cracked bark				
Nesting hole/bee hive				
Deadwood/stubs			✓	✓
Borers/termites/ants				
Cankers/galls/burls				
Previous failure			✓	✓

HAZARD RATING

Tree part most likely to fail: Whole Tree

Inspection period: _____ annual _____ biannual _____ other _____

Failure Potential + Size of Part + Target Rating = Hazard Rating

3 + 3 + 4 = 10

Failure potential: 1 - low; 2 - medium; 3 - high; 4 - severe
Size of part: 1 - <6″ (15 cm); 2 - 6-18″ (15-45 cm); 3 - 18-30″ (45-75 cm); 4 - >30″ (75 cm)
Target rating: 1 - occasional use; 2 intermittent use; 3 - frequent use; 4 - constant use

HAZARD ABATEMENT

Prune: ☐ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☑ crown reduce ☐ restructure ☐ shape

Cable/Brace: _____ **Inspect further:** ☐ root crown ☐ decay ☐ aerial ☐ monitor

Remove tree: Y N **Replace?** Y N **Move target:** Y N **Other:** Create habitat snag by crown reduction.

Effect on adjacent trees: ☑ none ☐ evaluate

Notification: ☐ owner ☐ manager ☑ governing agency **Date:** 5/1/07

COMMENTS

Specimen: TREE HAZARD EVALUATION FORM, Page 2

A Photographic Guide to the Evaluation of Hazard Trees in Urban Areas

TREE HAZARD EVALUATION FORM 2nd Edition

Site/Address: Windcrest Ridge HOA

Map/Location: STREAM BUFFER

Owner: public ✓ private ✓ unknown _____ other _____

Date: 5/1/07 Inspector: Robert W. Williams PN0176A

Date of last inspection: 3/20/07

HAZARD RATING:

3 (Failure Potential) + 3 (Size of part) + 4 (Target Rating) = 10 (Hazard Rating)

✓ Immediate action needed

_____ Needs further inspection

_____ Dead tree

TREE CHARACTERISTICS

Tree #: 1 **Species:** Cottonwood (Populus trichocarpa)

DBH: 26" **# of trunks:** 1 **Height:** 85' **Spread:** 35'

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Specimen: TREE HAZARD EVALUATION FORM, Page 1