City of Brisbane
50 Park Place
Brisbane, CA 94005-1310
415-508-2100
415-467-4989 Fax

NOTICE OF APPROVAL OF TREE REMOVAL PERMIT

APPLICATION NO.:	**2023-TR-8 Tree Removal**
APPLICANT/OWNER:	**Ian Ravn**
ASSESSOR'S PARCEL NOS.:	**007-424-070**
ZONING:	**R-1 Residential District**
LOCATION:	**253 Kings Road**
REQUEST:	**Removal of six trees, three (3) Coast Live Oak, two (2) California Bay, and one (1) California Buckeye, from the side and rear yard areas.**
ENVIRONMENTAL STATUS:	**Categorical exemption for replacement landscaping, per State CEQA Guidelines Sections 15304(b)--this proposal falls within a class of projects which the State has determined not to have a significant effect on the environment. The exceptions to this categorical exemption referenced in Section 15300.2 do not apply.**

The Community Development Director has granted this administrative permit and it shall be effective on Wednesday, Nov. 15, 2023, unless a notice of appeal form and fee of $426 is filed with the City Clerk, Ingrida Padilla, no later than close of business on Tuesday, November 14, 2023, per Brisbane Municipal Code §12.12.060. Appeals are subject to public hearing with the City Manager. To contact the City Clerk, email ipadilla@brisbaneca.org or call (415) 508-2113. A copy of the tree removal application and Director's approval letter containing findings and conditions of approval may be viewed on the City's website at https://www.brisbaneca.org/cd/page/log-7-day-notices-and-tree-removal-permits

DATED: November 8, 2023

John Swiecki

John A. Swiecki, AICP
Community Development Director

CITY OF BRISBANE
Community Development Department
50 Park Place, Brisbane, CA 94005
(415) 508-2120

Tree Removal Permit

November 8, 2023

Ian Ravn
253 Kings Road
Brisbane, CA 94005

Subject: Tree Removal Permit 2023-TR-8, 253 Kings Road

Dear Mr. Ravn:

Thank you for submitting a tree removal permit application to remove six trees, three Coast Live Oak, two California Bay and one California Buckeye, trees from your property at 253 Kings Road.

This letter, including the attached conditions of approval, serves as the permit to remove the trees. This permit is subject to a 7-day appeal period, during which time you or anyone else may appeal this approval to the City Manager, per Brisbane Municipal Code Section 12.12.060. If no appeal is received by close of business on Tuesday, November 14, 2023, the permit effective date will be Wednesday, November 15, 2023.

In order for the permit to be effective, **please sign and return a copy of this letter** to Senior Planner Ken Johnson (see contact info below) and keep a copy on site during the tree removal in case you are asked to demonstrate compliance with Chapter 12.12 of the Brisbane Municipal Code. If you have any questions regarding this matter, including preparation of a replacement tree plan, please contact Mr. Johnson at (415) 527-7801, or email at kjohnson@brisbaneca.org.

Sincerely,

John Swiecki
Community Development Director

Signed and Accepted: _____ Date: _____
IAN RAVN

FINDINGS

A. The six trees described in the staff report are defined as "protected trees" and the following findings are made approving their removal, per BMC § 12.12.050.B.2.b and d:

- The trees are in close proximity to one or more structures (homes) such that they pose a likelihood of damage to such structures.
- The trees pose a risk to the property due to unusual site conditions of a steep slope and trees leaning which exacerbates the risk of falling.

Additionally, four of the trees, as identified in the staff report, meet finding BMC § 12.12.050.B.2.a, of having disease of root rot or cavity, which places them at imminent risk of falling.

CONDITIONS OF APPROVAL

1. Replacement trees shall be required to be planted on the subject property at the property owner's expense in compliance with the following:

   i. Replacement trees shall be on at least a 1:1 basis.

   ii. Replacement size shall be of a standard fifteen (15) gallon nursery container, or larger.

   iii. The replacement species shall be Coast Live Oak (Quercus agrifolia) unless another species is proposed by the owner and approved by the director.

   iv. The applicant shall provide a map showing the location of the proposed replacements for approval by the Community Development Director prior to planting. The map shall also include existing structures and remaining trees.

   v. Trees are to be planted within 90 days of the permit effective date, unless an extension is granted following a written request to the Community Development Director.

   vi. The replacement trees shall be maintained and shall be considered protected trees, regardless of their size, per BMC § 12.12.040.H.3.

(Note: Exceptions to condition #1 are provided in BMC § 12.12.050.B. A request for an exception would need to be made in writing to the Community Development Director within 90 days of the permit effective date.)

2. All tree removal activities shall be subject to the Noise Ordinance, BMC §8.28.060. Tree removal shall only be allowed between the hours of seven (7:00) a.m. and seven (7:00) p.m. on weekdays and nine (9:00) a.m. to seven (7:00) p.m. on weekends and holidays. Tree removal activities must meet at least one of the following noise limitations:

   i. No individual piece of equipment shall produce a noise level exceeding eighty-three (83) dBA at a distance of twenty-five (25) feet from the source thereof.

   ii. The noise level at any point outside of the property plane shall not exceed eighty-six (86) dBA.

3. Cuttings shall be removed from the site, so as not to create a hazard, and tree cutting and any chipping of tree materials shall not generate dust that would travel off-site and create a nuisance to neighboring properties, as defined in BMC §8.36.010.G.
4. This letter does not provide authorization for tree removal from other properties or entry to other neighboring properties where limbs may hang over. If the tree removal activities require entry onto an adjacent yard, you will need to contact the owner of that property to arrange a private agreement.
5. All removal activities shall comply with applicable federal and state provisions protecting nesting or migratory birds as provided in the federal Migratory Bird Treaty Act and the California Fish and Wildlife Code, § 3503.
6. This tree removal permit shall expire six (6) months following the effective date of the permit.

REPORT TO COMMUNITY DEVELOPMENT DIRECTOR

Date: **November 2, 2023**

From: Ken Johnson, Senior Planner

Subject: 2023-TR-8 Tree Removal Application for Six Trees, 253 Kings Road

Request

Consideration of the application for a tree removal permit for six protected trees from the side and rear yard areas of the single-family home site at 253 Kings Road. The trees include three Coast Live Oak (Quercus agrifolia), two California Bay (Umbellularia californica) and one California Buckeye (Aesculus californica). They have been noted in the application as ranging from 50 inches to 88 inches in circumference. Their species and size, over 30 inches in circumference at 24 inches above grade, qualify them as protected trees and subject to a tree removal permit.

Applicant/Owner

Ian Ravn

Applicable Code Sections

The six trees are defined as "protected trees" per Brisbane Municipal Code (BMC) § 12.12.040.H.1. This section identifies the three species that are included in this application, California Bay, Coast Live Oak, and California Buckeye as protected.

Application and findings, decision and standard conditions for removal of a protected tree are provided in BMC § 12.12.050.B.

Discussion

As protected trees, BMC §12.12.050.B.2 requires that any one, or more, of five findings be made by the Community Development Director for approval of an application for a protected tree removal. The findings are:

A. The tree is dead or is diseased such that it poses an imminent danger of falling or dropping limbs.

B. The tree is in close proximity to a structure, or would be in close proximity following city-approved construction, such as a building, retaining wall, utilities, etc., such that it would pose a likelihood of damage to such structures.

C. That removal of the tree is necessary for good forestry practices, due to such factors as crowding with other trees or the spread of pests or pathogens.

D. The tree poses a risk to the property due to unusual site conditions or fire hazard.

E. The tree unreasonably interferes with the economic or other enjoyment of the property.

The owner has provided arborist reports, from Timothy Chang for trees 1, 3 and 4 and from Jeffry Lester for trees 2, 5 and 6. recommending removal and photos showing the locations and the tree conditions (see Attachment 2). The arborists' comments are summarized in the table below along with the findings that can be made to approve each of the proposed tree removals:

Tree Identification Number	Tree Species	Summary Arborist Comments*	Finding
1	Coast Live Oak	Close to house, leaning and suspected of root rot.	A, B and D
2	Coast Live Oak	Close to house, unbalanced and rot cavity on trunk.	A, B and D
3	California Bay	Close to house, significant lean, and poor vigor.	A, B and D
4	Coast Live Oak	Close to house, lean and severe root failure.	A, B and D
5	California Buckeye	Close to house, large dead branches, leaning downhill with risk of falling.	B and D
6	California Bay	Close to house, tree leans significantly downhill with co-dominant leaders.	B and D

Table Notes: Arborist reports with further details are provided in Attachment 2. Findings listed in this table reflect staff's conclusion regarding which of the above listed findings may be applied to each tree.

All six of the trees meet findings B and D for removal, in that they are close to or already touching structures and could result in damage. This is especially concerning since some of the trees were reported by the arborists as having root rot or tree cavities, which also meets finding A for those trees. In brief, all of the trees are on a steep slope and are located close to the owner's and/or neighbor's homes, and with either significant leans or other tree structure (strength) issues indicated, that pose a risk to the homes. Note that only one of the five findings is required to be made to approve removal of a given tree. In this case two or three findings can be made for each tree.

Given the issues outlined above and the unpredictability of tree fall posing a risk to the homes and people, especially during winter storm events, staff concurs with the arborists' recommendations for removal.

Note that one of the standard conditions of approval for removal of protected trees is for at least one-to-one replacement trees, with 15-gallon size trees. The owner has proposed one-to-one replacements with Coast Live Oak along the north side of the property, within 3 months of removal. This is consistent with the standard conditions. A condition of approval is provided to reiterate this, except that the date is tied to the permit effective date.

Recommendation

Staff recommends that tree removal permit 2023-TR-8 be approved, based on the draft findings and conditions of approval provided in Attachment 1.

Attachments

1. Draft Findings and Conditions of Approval
2. Applicant's submittal:
    a) Tree descriptions
    b) Arborists' reports
    c) Aerial photo of tree locations
    d) Photos of individual trees 1-6

Ken Johnson, Senior Planner

ATTACHMENT 1

-DRAFT-
FINDINGS

A. The six trees described in the staff report are defined as "protected trees" and the following findings are made approving their removal, per BMC § 12.12.050.B.2.b and d:

- The trees are in close proximity to one or more structures (homes) such that they pose a likelihood of damage to such structures.
- The trees pose a risk to the property due to unusual site conditions of a steep slope and trees leaning which exacerbates the risk of falling.

Additionally, four of the trees, as identified in the staff report, meet finding BMC § 12.12.050.B.2.a, of having disease of root rot or cavity, which places them at imminent risk of falling.

CONDITIONS OF APPROVAL

1. Replacement trees shall be required to be planted on the subject property at the property owner's expense in compliance with the following:
   i. Replacement trees shall be on at least a 1:1 basis.
   ii. Replacement size shall be of a standard fifteen (15) gallon nursery container, or larger.
   iii. The replacement species shall be Coast Live Oak (Quercus agrifolia) unless another species is proposed by the owner and approved by the director.
   iv. The applicant shall provide a map showing the location of the proposed replacements for approval by the Community Development Director prior to planting. The map shall also include existing structures and remaining trees.
   v. Trees are to be planted within 90 days of the permit effective date, unless an extension is granted following a written request to the Community Development Director.
   vi. The replacement trees shall be maintained and shall be considered protected trees, regardless of their size, per BMC § 12.12.040.H.3.

(Note: Exceptions to condition #1 are provided in BMC § 12.12.050.B. A request for an exception would need to be made in writing to the Community Development Director within 90 days of the permit effective date.)

2. All tree removal activities shall be subject to the Noise Ordinance, BMC §8.28.060. Tree removal shall only be allowed between the hours of seven (7:00) a.m. and seven (7:00) p.m. on weekdays and nine (9:00) a.m. to seven (7:00) p.m. on weekends and holidays. Tree removal activities must meet at least one of the following noise limitations:
   i. No individual piece of equipment shall produce a noise level exceeding eighty-three (83) dBA at a distance of twenty-five (25) feet from the source thereof.
   ii. The noise level at any point outside of the property plane shall not exceed eighty-six (86) dBA.

3. Cuttings shall be removed from the site, so as not to create a hazard, and tree cutting and any chipping of tree materials shall not generate dust that would travel off-site and create a nuisance to neighboring properties, as defined in BMC §8.36.010.G.
4. This letter does not provide authorization for tree removal from other properties or entry to other neighboring properties where limbs may hang over. If the tree removal activities require entry onto an adjacent yard, you will need to contact the owner of that property to arrange a private agreement.
5. All removal activities shall comply with applicable federal and state provisions protecting nesting or migratory birds as provided in the federal Migratory Bird Treaty Act and the California Fish and Wildlife Code, § 3503.
6. This tree removal permit shall expire six (6) months following the effective date of the permit.

ATTACHMENT 2
APPLICANT'S SUBMITTAL

a) Tree Descriptions

Tree #1:
Quercus Agrafolia (Coastal Live Oak)
Tree Circumference: 50 inches
Tree Description and Arborist Recommendation: Coastal Live Oak with a diameter of 16 inches, height of 45 ft, and a spread of 45 ft. Tree is located in between the owner's house and the neighbor's house. Neighbor (Clark Conway) complains tree hits his house during high winds. Arborist report indicates tree is at increased risk of failure due to its location on a steep slope, its lean of 15-20 degrees, and its suspected tree rot. If tree were to fail it would fall onto either the property owner's or neighbor's house. Due to the factors listed arborist recommends removal of the tree.

Tree #2:
Quercus Argrafolia (Coastal Live Oak)
Tree Circumference: 81 inches
Tree Description and Arborist Recommendation: Coastal Live Oak with a diameter of 26 inches and a height of 35 ft. Tree is located on a steep hillside and is between the property owner's house and the neighbor's house. Tree has large dead branches and a healthy canopy. Tree is one sided and unbalanced, largest branch within 8-10 inches from the neighbor's roof. Neighbor (Clark Conway) complains tree hits his house during any significant winds. Tree has a cavity in the trunk at 5 ft high leading to an increased likelihood of failure. Arborist recommends complete removal of tree.

Tree #3:
California Bay Laurel
Tree Circumference: 69 inches
Tree Description and Arborist Recommendation: California Bay Laurel with one trunk, a diameter of 22 inches, a height of 30 ft, and a spread of 25 ft. Tree is located on a steep hillside, has a significant lean of 30 degrees, and is in close proximity to the neighbor's (Clark Conway) house. Arborist found that the tree is young, semi-mature, with sparse foliage, and poor vigor. Tree is at increased risk of failure due to it's significant lean and location on a steep hillside. Arborist recommends complete removal of tree.

Tree #4:
Quercus Agrafolia (Coastal Live Oak)
Tree Circumference: 69 inches
Tree Description and Arborist Recommendation: Coastal Live Oak with one trunk, a diameter of 22 inches, a height of 35 ft, and a spread of 30 ft. Tree is located on a steep hillside, is in very close proximity to the property owner's house, and has a lean of 15 degrees. If tree were to fail it could potentially hit property owner's house. Arborist suspects root rot. Arborist recommendation is complete removal of tree.

Tree #5:
Buckeye
Tree Circumference: 82 inches

Tree Description and Arborist Recommendation: Buckeye tree with one trunk, a diameter of 11 inches, and a height of 35 ft. Tree is located on a hillside, in the center of the rear yard. Tree is 80% healthy, and leans in a downhill direction. Due to the tree's lean and its location on a hillside the arborist found an increased likelihood of failure. If tree failed its primary target would be neighbor's house to the north approximately 30 ft away. Arborist recommendation is major pruning or complete tree removal.

Tree #6:
California Bay Laurel
Tree Circumference: 88 inches
Tree Description and Arborist recommendation: California Bay Laurel with one primary and several smaller trunks, a main trunk diameter of 28 inches, and a height of 40 ft. Tree is located further down the hillside on the fence line with the neighbor. Tree is healthy, with significant lean in the downhill direction, and 2 co-dominant leads. These factors increase the likelihood of tree uprooting or structural branch failure, per arborist report. Targets of tree failure include houses downhill. Arborist recommends complete removal of the tree.

TREE #1

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

TREE HAZARD EVALUATION FORM 2nd Edition

Site/Address: 253 Kings RD Brs CA 94005

Map Location:

Owner: public ____ private ✓ unknown ____ other ____

Date: ____ Inspector: Timothy R Owens WE.

Date of last inspection: N/A

HAZARD RATING:

3 + 2 + 2 = 7

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

✓ Immediate action needed

____ Needs further inspection

____ Dead tree

TREE CHARACTERISTICS

Tree #: ____ Species: Quercus Agrifolia

DBH: 16" # of trunks: 1 Height: 45 Spread: 45

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: N/A

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 FOUNDATION ON Both Structures

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 Between Streets.

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 so 0% 10-25% 25-50% 50-75% 75-100%

% dripline grade lowere 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. ☒ structures

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

Prevailing wind direction: N-NW 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

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: _____

Inspection period: _____ annual _____ biannual ✓ other _____

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

3 + 2 + 2 = 7

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 Removal

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

Remove tree: Y N **Replace?** Y N **Move target:** Y N **Other:** _____

Effect on adjacent trees: ☐ none ☐ evaluate

Notification: ☐ owner ☐ manager ☐ governing agency **Date:** _____

COMMENTS

TREE #3

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

TREE HAZARD EVALUATION FORM 2nd Edition

Site/Address: 253 Kings Brisbane

Map Location: BACKYARD South Fenceline

Owner: public _____ private ✓ unknown _____ other _____

Date: 8-7-21 Inspector: Timothy Chay WE 5874

Date of last inspection: _____

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 #: _____ Species: Bay Laurel

DBH: 22" # of trunks: 1 Height: 30' 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 Fence/Building

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: NW 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

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: 30 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: _____

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:** _____

Effect on adjacent trees: ☐ none ☑ evaluate

Notification: ☑ owner ☐ manager ☐ governing agency **Date:** _____

COMMENTS

TREE #4

A Photographic Guide to the Evaluation of Hazard Trees in Urban Areas
TREE HAZARD EVALUATION FORM 2nd Edition

Site/Address: 253 Kings Brisbane
Map Location: BACKYard #1 LIVE OAK Fence Line #2 LIVE OAK BY HSE
Owner: public ____ private ____ unknown ____ other ____
Date: 8-9-21 Inspector: Timothy Chang WC-9387A
Date of last inspection: ____

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 #: ____ Species: ~~Coast~~ agrifolia Quercus ~~Quercus~~ Coast Live Oak
DBH: 22" # of trunks: 1 Height: 25 Ft Spread: 30
Form: ☐ generally symmetric ☑ minor asymmetry ☑ major asymmetry ☐ stump sprout ☐ stag-headed
Crown class: ☑ dominant ☐ co-dominant ☐ intermediate ☐ suppressed
Live crown ratio: 80 % 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: N/A

#2 OAK Crown Removed BY HSE same size

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 Fence

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 Hillside
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 20° 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: NW - W 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

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: _____

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 (Removal) ☐ 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:** _____

Effect on adjacent trees: ☐ none ☑ evaluate

Notification: ☐ owner ☐ manager ☐ governing agency **Date:** _____

COMMENTS

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NAME Ian Ravn DATE 6/19/22
ADDRESS 253 Kings Road SUBURB
CITY Brisbane, CA STATE ZIP 94005
HOME PHONE CELL PHONE 626-674-4466 EMAIL

TREE #6 Bay, 28" DBH, 40' tall, further down on hillside on fence line with neighbor, tree is healthy, significant lean downhill direction, and 2 co-dominant leads, higher likelihood of tree uprooting or structural branch failure, targets include houses downhill, recommend complete removal of tree

TREE #7 Oak, 26" DBH, 35' tall, on hillside and fence line with neighbor, tree has large deadbranches, and healthy canopy, 1 sided unbalanced tree, large branch within 8" - 10" of neighbor's roof, cavity on trunk at 5' high, targets include nearby houses, recommend complete removal of tree, higher likelihood of failure

TREE #5 Buckeye, 11" DBH, 32' tall, further down on hillside in center of rear yard, tree is 80% healthy, has some larger size dead branches, trunk is leaning in downhill direction, higher likelihood of failure, target of house approx. 30' away, recommend complete removal of tree

SALES TAX _____ %
TOTAL

Jeff Lester

ACCEPTANCE OF PROPOSAL – The above prices, specifications, conditions and terms of payment are satisfactory and hereby accepted. You are authorized to do the work as specified.

AUTHORIZING SIGNATURE _____ DATE / /

c) Tree Locations


d) Individual Tree Photos
Tree 1


Tree 2


Tree 3


Tree 4


Tree 5


Tree 6