Image 10 – Tree B

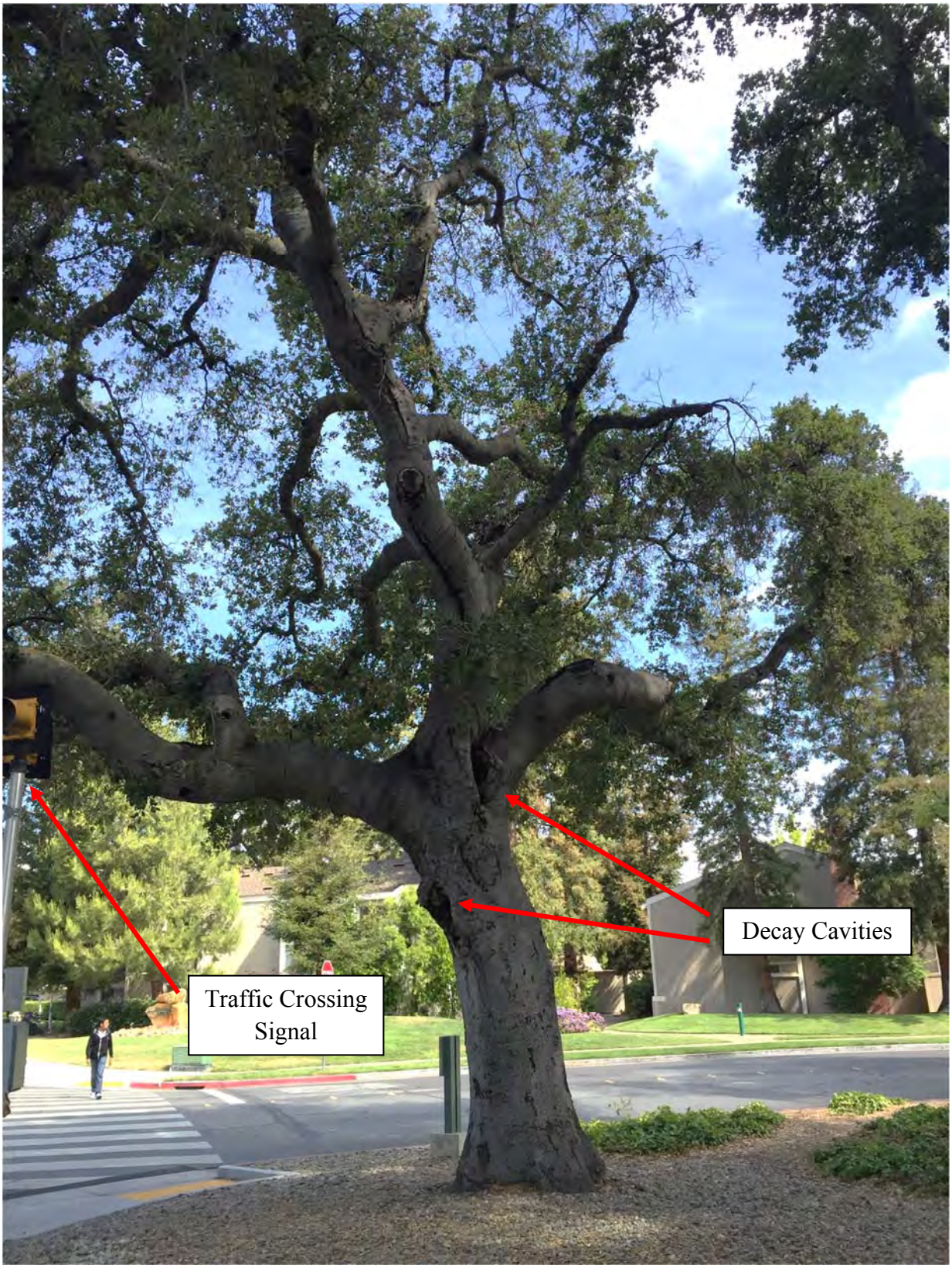

Image 11 – Tree B Column(s) of Decay on South/Southwest Side

Image 12 – Tree B Decay Cavities

Image 13 – Tree B Decay Cavity with No Visible Response Growth

Image 14 – Tree B Cable

Image 15 – Tree B Scaffold Branch over Crosswalk Signal

Image 16 – Tree B Root Crown Excavation (north, east, south, and west sides, clockwise from top)

Image 17 – Tree B Girdling Root on East Side

Image 18 – Tree B 16-inch Flat Area on Southwest Side

Image 19 – Tree B 2-inch Decay Cavity(ies) in 6-inch Scaffold Root on North Side

Image 20 – Tree B 6-inch Decay Cavity on Northeast Side

Image 21 – Tree B Stone-Filled Cavity in Base on Northeast Side

ASSUMPTIONS AND LIMITING CONDITIONS

1. Any legal description provided to the consultant/appraiser is assumed to be correct. Any titles and ownerships to any property are assumed to be good and marketable. No responsibility is assumed for matters legal in character. Any and all property is appraised or evaluated as though free and clear, under responsible ownership and competent management.

2. It is assumed that any property is not in violation of any applicable codes, ordinances, statutes, or other government regulations.

3. Care has been taken to obtain all information from reliable sources. All data has been verified insofar as possible; however the consultant/appraiser can neither guarantee nor be responsible for the accuracy of information provided by others.

4. The consultant/appraiser shall not be required to give testimony or to attend court by reason of this report unless subsequent contractual arrangements are made, including payment of an additional fee for such services as described in the fee schedule and contract of engagement.

5. Loss, alteration, or reproduction of any part of this report invalidates the entire report.

6. Possession of this report or a copy thereof does not imply right of publication or use for any purpose by any other than the person to whom it is addressed, without the prior expressed written or verbal consent of the consultant/appraiser.

7. Neither all nor any part of this report, nor any copy thereof, shall be conveyed by anyone, including the client, to the public through advertising, public relations, news, sales or other media, without the prior expressed written or verbal consent of the consultant/appraiser particularly as to value conclusions, identity of the consultant/appraiser, or any reference to any professional society or initialed designation conferred upon the consultant/appraiser as stated in his qualification.

8. This report and the values expressed herein represent the opinion of the consult/appraiser, and the consult/appraiser's fee is in no way contingent upon the reporting of a specified value, a stipulated result, the occurrence of a subsequent event, nor upon any finding to be reported.

9. Sketches, diagrams, graphs, and photographs in this report, being intended as visual aids, are not necessarily to scale and should not be construed as engineering or architectural reports or surveys.

10. Unless expressed otherwise - 1) information in this report covers only those items that were examined and reflects the condition of those items at the time of inspection; and 2) the inspection is limited to visual examination of accessible items without dissection, excavation, probing, or coring. There is no warranty or guarantee, expressed or implied, that problems or deficiencies of the plants or property in question may not arise in future.

Respectfully submitted,

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Basic Tree Risk Assessment Form

Client City of Cupertino Date 5/14/2015 Time 9:00 AM

Address/Tree location Cupertino Senior Center, 21251 Stevens Creek Blvd., Cupertino, CA 95014 Tree no. B Sheet 1 of ____

Tree species Coast Live Oak (Quercus agrifolia) dbh 57 inches Height 50 feet Crown spread dia. 50 feet

Assessor(s) Katherine Naegele Time frame 3 years Tools used Tape measure, trowel, hoe, chisel, mallet

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	Traffic Crossing Signal	X			4	No	No
2	Pedestrians on Mary Avenue	X	X	X	3	No	No
3	Cars on Mary Avenue	X	X	X	3	No	No
4							

Site Factors

History of failures Large pruning wounds, possibly from failed limb **Topography** Flat ☒ Slope ☐ ____% **Aspect** ____

Site changes None ☐ Grade change ☐ Site clearing ☐ Changed soil hydrology ☒ Root cuts ☐ Describe River rock installed within past several years/decades

Soil conditions Limited volume ☐ Saturated ☐ Shallow ☐ Compacted ☒ Pavement over roots ☐ ____% Describe River rock causing compaction

Prevailing wind direction ____ **Common weather** Strong winds ☐ Ice ☐ Snow ☐ Heavy rain ☐ Describe ____

Tree Health and Species Profile

Vigor Low ☒ Normal ☐ High ☐ **Foliage** None (seasonal) ☐ None (dead) ☐ Normal 80 % Chlorotic ____% Necrotic 20 %

Pests No major pests or diseases observed **Abiotic** ____

Species failure profile Branches ☐ Trunk ☐ Roots ☒ Describe Oak root fungus is 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 80 %

Dead twigs/branches ☒ 20 % overall Max. dia. 4"

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 30 % circ.

Previous branch failures ☒ possible, may be pruning wounds Similar branches present ☐

Dead/Missing bark ☐ Cankers/Galls/Burls ☐ Sapwood damage/decay ☐

Conks ☐ Heartwood decay ☒ Cavities throughout

Response growth ____

Main concern(s) One cable in canopy - not horizontal installed in branches with internal decay
Lack of response growth on old, decayed wound

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 25 % circ. Depth ____ Poor taper ☐

Lean ____° Corrected? ____

Response growth Weak

Main concern(s) Column of decay with multiple cavities

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 Weak

Main concern(s) Multiple decay cavities possibly connected to column of decay in trunk; Cavities filled with stone; Girdling root(s); root plate appears to be lifting

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

Likelihood of failure

Improbable ☐ Possible ☐ Probable ☒ Imminent ☐