

Appendix C
Tree Evaluation

TREE EVALUATION SUMMARY

Prepared By: Brent Gambetta, WE-12104A

DBH MEASUREMENT HEIGHT: 54"

Date of Evaluation: May 23, 2018

Suitability for Preservation is based on the following

- Good - Trees with good health and structural stability that have the potential for longevity at the site.
- Moderate - Trees in somewhat declining health and/or exhibits structural defects that cannot be abated with treatment. Trees will require more intense management and will have a shorter lifespan than those in the 'Good' category.
- Poor - Trees in poor health or with significant structural defects that cannot be mitigated. Tree is expected to decline, regardless of treatment.

Health Rating

- 5** A healthy, vigorous tree, reasonably free of disease, with good structure and form typical of the species.
- 4** A tree with slight decline in vigor, small amount of twig dieback, minor structural defects that could be corrected.
- 3** A tree with moderate vigor, moderate twig and small branch dieback, thinning of crown, poor leaf color, moderate structural defects that may that might be mitigated with care.
- 2** A tree in decline, epicormic growth, extensive dieback of medium to large branches, significant structural defects that cannot be abated.
- 1** A tree in severe decline, dieback of scaffold branches and or trunk, mostly epicormic growth; extensive structural defects that cannot be abated.
- 0** Tree is dead.

Abbreviations and Definitions

CD	Codominant branches	Forked branches nearly the same size in diameter, arising from a common junction an lacking a normal branch union.
CDB	Dieback in Crown	Condition where branches in the tree crown die from the tips toward the center.
CR	Crowded	Tree is bounded closely by one or more of the following: structure, tree,
DBH	Diameter at Breast Height	Measurement of tree diameter in inches. Measurement height varies by City and is noted above.
EG	Epicormic Growth	Watersprouting on trunk and main leaders. Typically indicative of tree stress.
EH	Exposed Heartwood	Exposure of the tree's heartwood is typically seen as an open wound that leaves a tree more susceptible to pathogens, disease or infection.
H	Hazardous	A tree that in it's current condition, presents a hazard.
IB	Included Bark	Structural defect where bark is included between the branch attachment so the wood can't join. Such defect can have a higher probability of failure.
LC	Low crotch	Multiple central leaders originating below the DBH measurement site.
LN	Leaning Tree	Tree leaning, see notes for severity.
ML	Multiple Leaders	More than one upright primary stem
PT	Phototropism	Tree exhibits phototropic growth habits. Reduced trunk taper, misshapen trunk and canopy growth are examples of this growth habit.
SD	Structural Defects	Naturally or secondary conditions including cavities, poor branch attachments, cracks, or decayed wood in any part of the tree that may contribute to structural failure.
SR	Surface Roots	Roots visible at finished grade.
ST	Stress	Environmental factor inhibiting regular tree growth. Includes drought, salty soils, nitrogen and other nutrient deficiencies in the soil.
WU	Weak Union	Weak union or fork in tree branching structure.
	Ordinance Tree	A tree defined in this section herein below and whose removal or topping is covered by and subject to the provisions of this chapter....tree means any live or dead woody perennial plant characterized by having a main stem or trunk which measures thirty-eight inches or more in circumference at a height of fifty-four inches above natural grade slope. For purposes of this chapter, a multi-trunk tree shall be considered a single tree and measurement of that tree shall include the sum of the circumference of the trunks of that tree at a height of fifty-four inches above natural grade slope.

TREE #	BOTANICAL NAME	COMMON NAME	DBH	CIRCUMFERENCE	ORDINANCE TREE	HEALTH	PRESERVATION SUITABILITY	NOTES	RECOMMENDATIONS
1	<i>Quercus ilex</i>	Holly Oak	17.7	56	X	3	Moderate	EG, slight CDB, SR, pollution, black soot on leaves and bark	
2	<i>Quercus ilex</i>	Holly Oak	12.3	39	X	2	Poor	near utility pole and power lines, EG, stunted growth, pollution	Remove dead branch
3	<i>Quercus ilex</i>	Holly Oak	11.6	36		2	Poor	SR, EG, headed, pollution	
4	<i>Quercus ilex</i>	Holly Oak	24.9	78	X	3	Moderate	headed, sign of pest, CD, IB	
5	<i>Quercus ilex</i>	Holly Oak	25.5	80	X	1	Poor	IB, headed, EG, EH, carpenter ants, SR	Remove dead branch
6	<i>Quercus ilex</i>	Holly Oak	13.8	43	X	1	Poor	IB, EG, EH, carpenter ants, heaed, headed, decline, peeling bark	
7	<i>Quercus ilex</i>	Holly Oak	13.2	41	X	2	Poor	EG, SR, headed	Remove dead branch
8	<i>Quercus ilex</i>	Holly Oak	13.8	43	X	1	Poor	EG, SR, exposed heartwood, IB, CD, headed, nest present, carpenter ants	Remove dead branch
9	<i>Quercus ilex</i>	Holly Oak	20.0	63	X	2	Poor	below utilities, SR, CR, carpenter ants, CD, EG, MD	
10	<i>Quercus ilex</i>	Holly Oak	19.1	60	X	2	Poor	IB, CD, CR, CDB, EG, EH, carpenter ants, pest damage	
11	<i>Sequoia sempervirens</i>	coast redwood	36.8	116	X	2	Moderate	EG, CDB, SR	Cut back EG, Water regularly
12	<i>Sequoia sempervirens</i>	coast redwood	33.3	105	X	3	Moderate	EG, SR	Cut back EG, Water regularly
13	<i>Sequoia sempervirens</i>	coast redwood	30.8	97	X	3	Moderate	EG,CDB at top, CR, Raptor nest, SR	Cut back EG, Water regularly
14	<i>Sequoia sempervirens</i>	coast redwood	26.2	82	X	3	Moderate	EG, CDB at top, CR, SR	Cut back EG, Water regularly
15	<i>Sequoia sempervirens</i>	coast redwood	34.7	109	X	3	Moderate	EG, CDB at top, CR, SR	Cut back EG, Water regularly
16	<i>Melaleuca linariifolia</i>	flaxleaf paperbark	18.2	57	X	2	Poor	IB, CR, CDB, Drought stress	Remove dead branches and leaves
17	<i>Melaleuca linariifolia</i>	flaxleaf paperbark	22.0	69	X	2	Poor	IB, CR, CDB, Drought stress	Remove dead branches and leaves
18	<i>Melaleuca linariifolia</i>	flaxleaf paperbark	19.5	61	X	2	Poor	IB, CR, CDB, Drought stress	Remove dead branches and leaves
19	<i>Melaleuca linariifolia</i>	flaxleaf paperbark	24.6	77	X	2	Poor	IB, CR, CDB, Drought stress	Remove dead branches and leaves
20	<i>Melaleuca linariifolia</i>	flaxleaf paperbark	22.8	72	X	2	Poor	IB, CR, CDB, LN, Drought stress	Remove dead branches and leaves

EXHIBIT A - TREE LOCATION MAP

