

City of Fontana Citywide Sidewalk Repair Project #3 Construction Impact Report

SUBMITTED TO:

Shawn Matejcek
City of Fontana
8353 Sierra Avenue
Fontana, CA 92335



PREPARED BY:

JEFF CRAIN
ISA Board Certified Master Arborist WE-
6658B
ISA Qualified Tree Risk Assessor

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Background and Assignment

Assignment

The assignment per the Scope of Work on Proforma 95581 was to prepare a Pre-Construction Impact Report for two hundred seventy-one (271) sites identified by the City of Fontana requiring sidewalk repair. Sixteen of the identified sites had multiple trees that could be potentially impacted by the sidewalk repairs. The site visits were conducted April 23, 24, 25, 28, 29, 30, and May 5, 2025, and included an evaluation of each existing tree, the tree's proximity to the adjacent sidewalk, and the potential impact removal of roots would have on the tree with the sidewalk repair.

Limits of the Assignment

The assignment did not include any excavation of soil to determine the location of tree roots prior to the beginning of construction work. The recommendations in this report are generalized protocols if roots from the subject tree are encountered during construction activities.

The report is not intended to be legal advice and does not represent legal advice as such.

Purpose and Use of the Report

The purpose of this report is to provide the City of Fontana (City) staff with an evaluation of the suitability for preservation for each subject tree and recommended procedures to protect the roots of the subject trees during the sidewalk repair activities. The decisions as to which recommendations will be adopted and how they will be implemented will be the responsibility of the City staff as the Controlling Authority.

Results of the Site Visit

Site visits were conducted The site visits were conducted April 23, 24, 25, 28, 29, 30, and May 5, 2025, to evaluate the current status of the subject trees, site conditions, and potential impacts if roots were to be removed. A total of two hundred seventy-one (271) trees were inspected. Nine (9) sites had trees that had been removed, six (6) sites had no tree that was near the sidewalk repair area. The number of each individual species included in the inspections is shown in Table 1.



Common Name	Botanical Name	Number of Trees
African fern pine	<i>Afrocarpus falcatus</i>	1
African sumac	<i>Searsia lancea</i>	7
Aleppo pine	<i>Pinus halepensis</i>	5
American sweetgum	<i>Liquidambar styraciflua</i>	18
Bottle tree	<i>Brachychiton populneus</i>	11
Brazilian pepper	<i>Schinus terebinthifolius</i>	2
Brisbane box	<i>Lophostemon confertus</i>	1
Cajeput tree	<i>Melaleuca quinquenervia</i>	1
California fan palm	<i>Washingtonia filifera</i>	1
California sycamore	<i>Platanus racemosa</i>	9
Camphor tree	<i>Cinnamomum camphora</i>	9
Canary Island pine	<i>Pinus canariensis</i>	3
Carob	<i>Ceratonia siliqua</i>	1
Carrot wood	<i>Cupaniopsis anacardioides</i>	2
Chilean mesquite	<i>Prosopis chilensis</i>	3
Chinaberry	<i>Melia azedarach</i>	1
Chinese flame tree	<i>Koelreuteria bipinnata</i>	7
Chinese pistache	<i>Pistacia chinensis</i>	5
Columbia London plane	<i>Platanus x hispanica</i> 'Columbia'	1
Crape myrtle	<i>Lagerstroemia indica</i>	3
Edible fig	<i>Ficus carica</i>	1
Flooded gum	<i>Eucalyptus rudis</i>	4
Holly oak	<i>Quercus ilex</i>	5
Hong Kong orchid tree	<i>Bauhinia x blakeana</i>	6
Italian stone pine	<i>Pinus pinea</i>	3
Jacaranda	<i>Jacaranda mimosifolia</i>	7
Java plum	<i>Syzygium cumini</i>	3
Lemon-scented gum	<i>Corymbia citriodora</i>	1
London plane tree	<i>Platanus x hispanica</i>	48
Modesto ash	<i>Fraxinus velutina</i> 'Modesto'	5
Mondell pine	<i>Pinus eldarica</i>	55
Nichol's willowleafed peppermint	<i>Eucalyptus nicholii</i>	1
Ornamental pear	<i>Pyrus calleryana</i>	4
Pepper tree	<i>Schinus molle</i>	5
Red ironbark	<i>Eucalyptus sideroxylon</i>	7
River red gum	<i>Eucalyptus camaldulensis</i>	1



Common Name	Botanical Name	Number of Trees
Rusty-leaf fig	<i>Ficus rubiginosa</i>	1
Sawleaf zelkova	<i>Zelkova serrata</i>	1
Shamel ash	<i>Fraxinus uhdei</i>	1
Silk tree	<i>Albizia julibrissin</i>	1
Silver dollar gum	<i>Eucalyptus polyanthemos</i>	1
Southern live oak	<i>Quercus virginiana</i>	7
Southern magnolia	<i>Magnolia grandiflora</i>	9
Weeping fig	<i>Ficus benjamina</i>	2

Table 1: Trees included in the inspection by species.

General Site Conditions

The sites were all located in residential or commercial settings. The street trees controlled by the City were generally in parkway settings between the sidewalk and the curb for the adjacent street or in a tree well surrounded by concrete on all sides. Thirty-seven (37) of the inspected trees were on private property adjacent to the sidewalk. The site conditions around the trees on private property varied from tree wells, turf lawns, and various other landscape settings. The survey areas were within Map Grids 2, 3, 5, 6, 7, 8, 9, 12, 13, 18, 19, and 26 of the City of Fontana Map Index (Figure 1). The grid number for each tree is provided in Table 2.

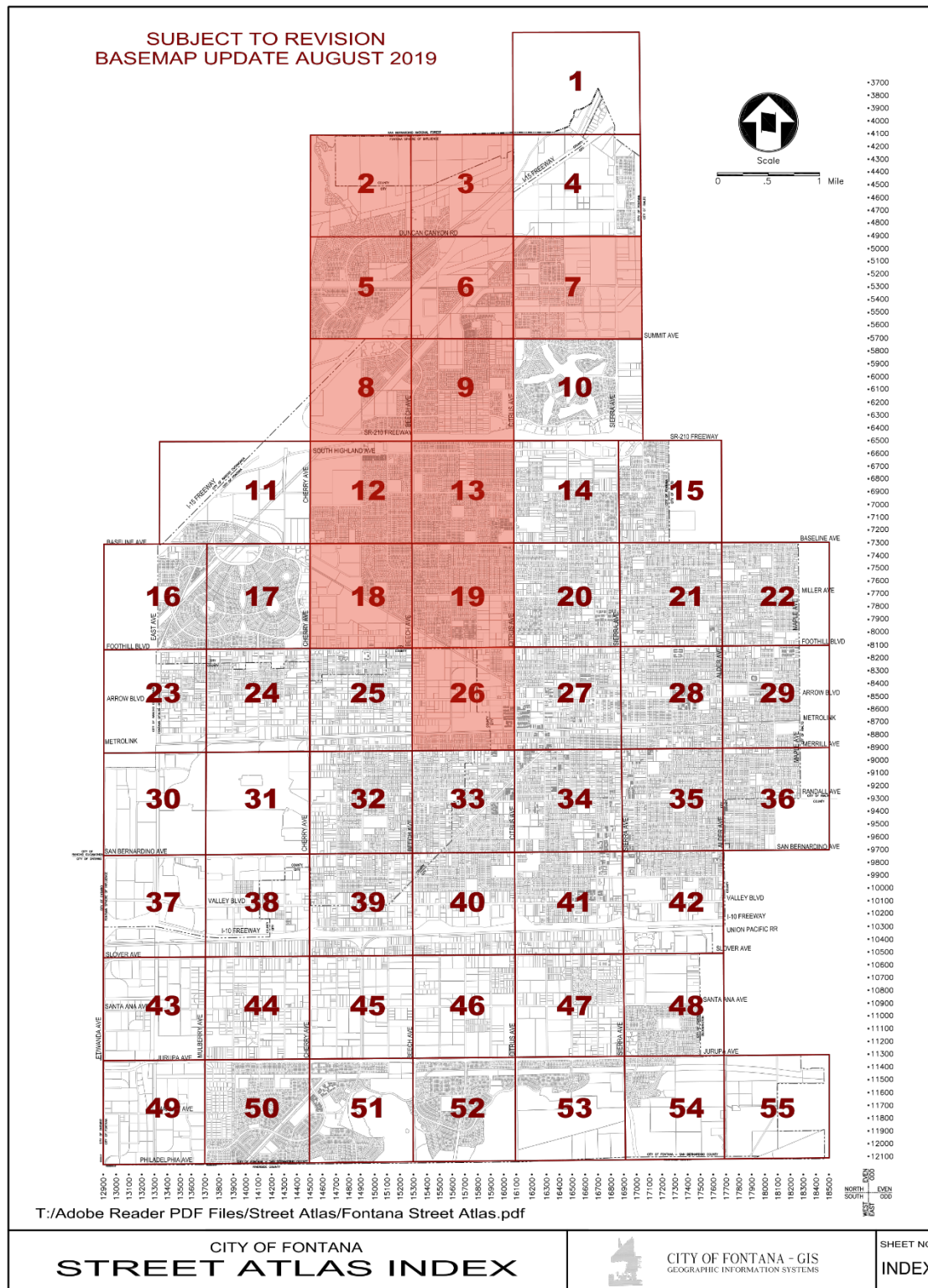


Figure 1: Map grids (highlighted in red) for trees included in the assessment.



Tree Conditions

The ArborAccess Tree number, common name, botanical name, measurement of the concrete area to be repaired, diameter at breast height (DBH), height range, canopy width, health, structure, and form for each tree assessed is listed in Table 1.

Photos of each City maintained tree evaluated have been attached to each tree site in the City of Fontana ArborAccess Inventory.



	Map Grid	Address	Cross Street/ Comments	Arbor Access Tree Number	Common Name	Botanical Name	DBH	Height	Canopy	Health	Structure	Form	Dis to street roots	Dis to Base	Notes	Structural roots to be cut 3x DBH	Repair to be within 3X DBH distance to base	Structural roots to be cut 5x DBH	Repair to be within 5X DBH distance to base
1	2	14775 Reservoir Rd, Fontana, CA 92336	4680 Foxborough	F-42	London plane	Platanus x hispanica	14.0	30 - 35	35	Good	Good	Good	0	12		Yes	Yes	Yes	Yes
2	2	E/S Foxborough @ Reservoir	4671 Foxborough	F-41	London plane	Platanus x hispanica	11.0	30 - 35	25	Good	Good	Good	0	18	Signs of decay in visible surface roots.	Yes	Yes	Yes	Yes
3	2	14766 Reservoir Rd, Fontana, CA 92336	4680 Foxborough	F-45	London plane	Platanus x hispanica	12.0	25 - 30	25	Good	Fair	Good	0	12	Signs of decay in visible surface roots.	Yes	Yes	Yes	Yes
4	2	14701 Winnipeg Cir, Fontana, CA 92336	4680 Foxborough	F-47	London plane	Platanus x hispanica	13.0	25 - 30	35	Good	Fair	Good	0	12	Signs of decay in visible surface roots.	Yes	Yes	Yes	Yes
5	2	4790 Serrano		F-1	Chinese flame tree	Koelreuteria bipinnata	9.0	20 - 25	40	Good	Fair	Good	6	36		Yes	No	Yes	Yes
6	2	4662 Serrano		F-1	Chinese flame tree	Koelreuteria bipinnata	10.5	20 - 25	45	Good	Good	Good	0	36		Yes	No	Yes	Yes
7	2	4651 Serrano		F-1	Chinese flame tree	Koelreuteria bipinnata	10.0	20 - 25	40	Fair	Good	Good	24	36	Tip dieback	Yes	No	Yes	Yes
8	2	4626 Doverhurst		F-1	London plane	Platanus x hispanica	12.0	25 - 30	55	Good	Fair	Good	24	36	Corrected trunk lean	Yes	Yes	Yes	Yes
9	2	4614 Doverhurst		F-1	London plane	Platanus x hispanica	14.0	35 - 40	50	Good	Fair	Good	18	36	Corrected trunk lean	Yes	Yes	Yes	Yes
10	2	4613 Sanderling Way		F-1	London plane	Platanus x hispanica	11.5	30 - 35	55	Good	Good	Good	0	36		Yes	No	Yes	Yes
11	2	4751 Sanderling Way		Not in Inventory	London plane	Platanus x hispanica	13.0	30 - 35	45	Good	Good	Good	12	36		Yes	Yes	Yes	Yes
12	2	4766 Sanderling Way		F-1	London plane	Platanus x hispanica	12.5	35 - 40	50	Good	Good	Good	N/A	48	No visible surface roots	No	No	No	Yes
13	2	15223 Willowood Ln		F-1	Chinese flame tree	Koelreuteria bipinnata	12.5	20 - 25	35	Fair	Good	Good	0	48	Significant tip dieback	Yes	No	Yes	Yes
14	3	4659 Stoneglen Ave		F-1	London plane	Platanus x hispanica	10.5	30 - 35	35	Good	Good	Good	N/A	48	Root flare not visible due to surrounding groundcover	No	No	No	Yes
15	3	4725 Hawk Ridge Ave		F-1	London plane	Platanus x hispanica	12.0	25 - 30	50	Good	Good	Good	N/A	48	Root flare not visible due to surrounding groundcover	No	No	No	Yes
16	5	5229 Peregrine Way		F-1	Chinese flame tree	Koelreuteria bipinnata	8.0	20 - 25	35	Fair - Poor	Good	Good	0	18	Signs of decay in visible surface roots, tip dieback.	Yes	Yes	Yes	Yes
17	5	15255 Wildwood Ln		F-1	London plane	Platanus x hispanica	13.0	35 - 40	35	Good	Good	Fair	N/A	34	Root flare not visible due to surrounding gravel	No	Yes	No	Yes
18	5	15231 Wildwood Ln		F-1	London plane	Platanus x hispanica	10.5	30 - 35	40	Good	Fair	Good	0	36	Corrected trunk lean	Yes	No	Yes	Yes
19	5	15076 Jackrabbit St		F-1	African sumac	Searsia lancea	8.0	30 - 35	25	Fair - Poor	Fair	Fair	0	36	Thin canopy, tip dieback	Yes	No	Yes	Yes
20	5	5010 Snowberry Dr		F-1	London plane	Platanus x hispanica	12.0	30 - 35	40	Good	Fair	Good	0	48		Yes	No	Yes	Yes
21	5	5036 Snowberry Dr		F-1	Stump	Stump										Yes	Yes	Yes	Yes
22	5	5061 Snowberry Dr		F-1	London plane	Platanus x hispanica	12.0	25 - 30	35	Good	Good	Good	0	36	Signs of decay in visible surface roots	Yes	Yes	Yes	Yes
23	5	5073 Snowberry Dr	on Maplewood	Private Tree	California sycamore	Platanus racemosa	14.0	35 - 40	45	Good	Good	Good	0	72	Surface roots reemrging on opposite side of sidewalk	Yes	No	Yes	No
24	5	5087 Cottontail Way		F-2	London plane	Platanus x hispanica	12.5	35 - 40	55	Good	Fair	Good	0	36	Corrected trunk lean	Yes	Yes	Yes	Yes
25	5	S/E Corner of Serrano and Duncan Canyon Rd		No Tree	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	N/A	N/A	N/A
26	5	4964 Thornberry Way		F-1	Columbia London plane	Platanus x hispanica 'Columbia'	9.5	35 - 40	25	Good	Good	Good	N/A	36		No	No	No	Yes
27	5	5000 St Albert Dr	across the street	Not in Inventory	Chilean mesquite	Prosopis chilensis	12.0	10 - 15	35	Good	Fair	Good	N/A	18	Crossing branches in canopy	No	Yes	No	Yes
28	5	5014 St Albert Dr		Private Tree	Chilean mesquite	Prosopis chilensis	10.0	10 - 15	30	Good	Good	Good	N/A	64		No	No	No	No
29	5	5129 La Sarre Dr	across the street	Not in Inventory	Pepper tree	Schinus molle	20.0	20 - 25	45	Good	Good	Good	N/A	36		No	Yes	No	Yes
30	5	5129 La Sarre Dr	across the street	Not in Inventory	Pepper tree	Schinus molle	22.0	20 - 25	40	Good	Fair	Good	N/A	36	Twisted scaffold branch structure	No	Yes	No	Yes
31	5	5067 St Albert Dr		Private Tree	Chilean mesquite	Prosopis chilensis	12.0	15 - 20	40	Good	Good	Good	N/A	72		No	No	No	No
32	5	5030 St Albert Dr	5031 Duncan Canyon	F-6	London plane	Platanus x hispanica	15.0	35 - 40	45	Good	Good	Good	0	48	Signs of decay in visible surface roots, circling roots	Yes	No	Yes	Yes
33	5	5014 St Albert Dr	5031 Duncan Canyon	F-10	London plane	Platanus x hispanica	11.0	35 - 40	25	Good	Fair	Fair	12	36	Signs of root decay in visible surface roots, one-sided canopy growth	Yes	No	Yes	Yes
34	5	5049 Manitoba Dr		Private Tree	Modesto ash	Fraxinus velutina 'Modesto'	13.0	25 - 30	35	Good	Fair	Fair	N/A	60	Topped	No	No	No	Yes
35	5	5040 Brunswick dr		Tree removed	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	N/A	N/A	N/A
36	5	5048 Brunswick Dr	4901 Bridlepath	F-14	American sweetgum	Liquidambar styraciflua	11.0	40 - 45	35	Good	Good	Good	N/A	18		No	Yes	No	Yes
37	5	14673 Winnipeg Cir,	14670 Bridlepath	F-13	American sweetgum	Liquidambar styraciflua	11.0	35 - 40	20	Good	Fair	Fair	0	12	Signs of decay in visible surface roots	Yes	Yes	Yes	Yes
38	5	14619 Bison Ln	5225 Bridlepath	F-1	American sweetgum	Liquidambar styraciflua	13.0	35 - 40	20	Fair	Fair	Fair	0	24	Signs of decay in visible surface roots, tip dieback.	Yes	Yes	Yes	Yes



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39	5	5429 Wrangler Dr	14595 Oxer	F-2	London plane	Platanus x hispanica	15.0	30 - 35	40	Good	Fair	Fair	N/A	6		No	Yes	No	Yes
40	5	5639 Lone pine Dr		Private Tree	Camphor tree	Cinnamomum camphora	20.0	30 - 35	60	Good	Good	Good	0	72		Yes	No	Yes	Yes
41	5	5639 Pheasant Dr	14721 Bridlepath	F-4	Bottle tree	Brachychiton populneus	12.0	30 - 35	15	Fair	Fair	Fair	N/A	48	Deadwood in canopy	No	No	No	Yes
42	5	5542 Spur Ct.	14721 Bridlepath	F-7	Bottle tree	Brachychiton populneus	12.0	35 - 30	20	Good	Fair	Fair	6	24	Codominant scaffolds	Yes	Yes	Yes	Yes
43	5	14862 Filly Ln	14831 Bridlepath	F-6	Chinese pistache	Pistacia chinensis	11.0	20 - 25	45	Good	Fair	Good	0	24	Previous excavation around roots, one-sided canopy growth	Yes	Yes	Yes	Yes
44	5	5526 Grand Prix Ct	14831 Bridlepath	F-8	Bottle tree	Brachychiton populneus	12.5	20 - 25	25	Good	Fair	Fair	N/A	18	Twisted scaffold branch structure	No	Yes	No	Yes
45	5	15007 Bridlepath Dr, Fontana, CA 92336		Not in Inventory	Ornamental pear	Pyrus calleryana	11.0	20 - 25	45	Good	Fair	Good	N/A	12	Signs of decay in old pruning wound, codominant scaffolds	No	Yes	No	Yes
46	5	15225 Fox Ridge Dr, Fontana, CA 92336	Listed as vacant site	F-2	Chinese pistache	Pistacia chinensis	15.5	25 - 30	60	Good	Good	Good	0	24	Tip dieback	Yes	Yes	Yes	Yes
47	6	Behind 5357 Parma Ave	5488 Citrus	F-28	Aleppo pine	Pinus halepensis	17.5	30 - 35	15	Fair	Fair	Fair	N/A	36	Corrected trunk lean	No	Yes	No	Yes
47 a	6	Behind 5357 Parma Ave	5488 Citrus	F-29	Aleppo pine	Pinus halepensis	20.0	30 - 35	30	Good	Good	Good	N/A	24	Thin canopy	No	Yes	No	Yes
48	6	Behind 5419 Parma Ave	5482 Citrus	F-19	Aleppo pine	Pinus halepensis	20.0	35 - 40	30	Good	Fair	Fair	N/A	24	Grade elevated with retaining wall. Codominant scaffolds.	No	Yes	No	Yes
49	6	Behind 5424 Turin Way	5401 Lytle Creek	F-12	Mondell pine	Pinus eldarica	20.0	30 - 35	45	Good	Good	Good	24	48		Yes	Yes	Yes	Yes
50	7	16225 Pamplona St		F-1	Ornamental pear	Pyrus calleryana	10.0	20 - 25	45	Good	Good	Good	0	36		Yes	No	Yes	Yes
51	7	16251 Pamplona St		F-1	Ornamental pear	Pyrus calleryana	14.0	20 - 25	50	Good	Good	Good	0	36		Yes	Yes	Yes	Yes
52	7	16258 Pamplona St	On Madrid Way	N/A	Stump	Stump	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	N/A	N/A	N/A
53	7	16333 Oak Leaf Ln		F-2	Holly oak	Quercus illex	11.5	20-25	35	Good	Fair	Fair	18	24		Yes	Yes	Yes	Yes
54	7	5595 Pine Leaf Ln		F-1	Holly oak	Quercus illex	12.0	20 - 25	45	Good	Fair	Good	24	36	Codominant scaffolds	Yes	Yes	Yes	Yes
55	7	16339 Basswood Ln	On Woodstead Way	Not in Inventory	Chinese pistache	Pistacia chinensis	8.0	15 - 20	35	Fair	Fair	Fair	6	36	Signs of decay in visibel surface roots, tip dieback, crossing branches in canopy.	Yes	No	Yes	Yes
56	8	15288 Planger Ln	on Highcliff Ln	N/A	N/A	No Tree at this location	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	N/A	N/A	N/A
57	8	15288 Planger Ln	on Highcliff Ln	Not in Inventory	Holly oak	Quercus illex	12.0	20 - 25	60	Good	Good	Good	0	48		Yes	No	Yes	Yes
58	8	6342 Granite Ct		Not in Inventory	Camphor tree	Cinnamomum camphora	13.0	15 - 20	45	Good	Fair	Fair	6	36		Yes	Yes	Yes	Yes
59	8	5968 Half Dome Dr	14905 Butler Peak Wy	F-2	Crape myrtle	Lagerstroemia indica	8.5	15 - 20	40	Good	Good	Good	0	24		Yes	Yes	Yes	Yes
60	8	15021 Grays Peak Ave		Private Tree	Sawleaf zelkova	Zelkova serrata	18.0	20 - 25	50	Good	Fair	Good	6	72	Crossing branches in canopy, crossing visible surface roots	Yes	No	Yes	Yes
61	8	15047 Grays Peak Ave	on Glazier Peak	Not in Inventory	African sumac	Searsia lancea	14.0	15 - 20	45	Fair	Fair	Fair	6	60	Previous root cuts, signs of decay in visible surface roots	Yes	No	Yes	Yes
62	9	6152 Kirsten Ct		Not in Inventory	Java plum	Syzygium cumini	12.0	35 - 40	45	Fair	Fair	Fair	18	36	One-sided canopy growth	Yes	Yes	Yes	Yes
62 a	9	6152 Kirsten Ct		Not in Inventory	Java plum	Syzygium cumini	17.0	35 - 40	45	Fair	Fair	Fair	0	36	Thin canopy, codominant scaffolds	Yes	Yes	Yes	Yes
62 b	9	6152 Kirsten Ct		Not in Inventory	Java plum	Syzygium cumini	25.0	35 - 40	35	Good	Fair	Fair	0	36	One-sided canopy growth, codominant scaffolds	Yes	Yes	Yes	Yes
63	9	15527 Cole Point Ln	15710 Curtis	F-4	Mondell pine	Pinus eldarica	18.0	35 - 40	25	Good	Fair	Good	48	60	Uncorrected trunk lean	Yes	No	Yes	Yes
64	9	15527 Cole Point Ln	15710 Curtis	F-8	Mondell pine	Pinus eldarica	18.0	35 - 40	30	Good	Fair	Good	N/A	60	Tree on small slope, root flare slightly buried	No	No	No	Yes
65	9	15547 Cole Point Ln	15710 Curtis	F-15	Mondell pine	Pinus eldarica	24.0	30 - 35	50	Fair	Fair	Fair	0	36		Yes	Yes	Yes	Yes
66	9	15547 Cole Point Ln	15710 Curtis	F-17	Mondell pine	Pinus eldarica	23.0	35 - 40	45	Good	Fair	Good	N/A	36	Codominant scaffolds	No	Yes	No	Yes
67	9	15569 Cole Point Ln	15710 Curtis	F-22	Mondell pine	Pinus eldarica	18.0	35 - 40	30	Good	Fair	Good	N/A	84	Slightly buried root flare, corrected trunk bends	No	No	No	Yes
68	9	15809 Curtis Ave	15710 Curtis	F-37	Mondell pine	Pinus eldarica	22.5	25 - 30	40	Good	Fair - Poor	Fair - Poor	N/A	84	Topped, slightly buried root flare	No	No	No	Yes
69	9	15809 Curtis Ave	15710 Curtis	F-43	Mondell pine	Pinus eldarica	21.5	25 - 30	40	Good	Fair - Poor	Fair - Poor	N/A	60	Topped	No	Yes	No	Yes
69 a	9	15809 Curtis Ave	15710 Curtis	F-44	Mondell pine	Pinus eldarica	21.0	25 - 30	35	Good	Fair - Poor	Fair - Poor	N/A	72	Topped	No	No	No	Yes
70	9	15845 Curtis Ave	15710 Curtis	F-48	Mondell pine	Pinus eldarica	19.0	25 - 30	40	Good	Fair - Poor	Fair - Poor	N/A	48	Topped	No	Yes	No	Yes
71	9	15845 Curtis Ave	15710 Curtis	F-50	Mondell pine	Pinus eldarica	22.0	25 - 30	40	Good	Fair - Poor	Fair - Poor	N/A	24	Topped	No	Yes	No	Yes
72	9	15845 Curtis Ave	15710 Curtis	F-52	Mondell pine	Pinus eldarica	19.5	25 - 30	45	Good	Fair - Poor	Fair - Poor	N/A	48	Topped	No	Yes	No	Yes



	Map Grid	Address	Cross Street/ Comments	Arbor Access Tree Number	Common Name	Botanical Name	DBH	Height	Canopy	Health	Structure	Form	Dis to street roots	Dis to Base	Notes	Structural roots to be cut 3x DBH	Repair to be within 3X DBH distance to base	Structural roots to be cut 5x DBH	Repair to be within 5X DBH distance to base
73	9	6185 Cooper Ave		F-1	American sweetgum	Liquidambar styraciflua	8.5	20 - 25	20	Good	Good	Good	N/A	24	Root flare buried	No	Yes	No	Yes
74	9	6191 Cooper Ave		F-1	American sweetgum	Liquidambar styraciflua	17.5	15 - 20	50	Fair	Fair - Poor	Fair - Poor	0	36	Topped, tip dieback	Yes	Yes	Yes	Yes
74 a	9	6191 Cooper Ave		F-3	American sweetgum	Liquidambar styraciflua	17.5	15 - 20	45	Good	Fair - Poor	Fair - Poor	6	48	Topped	Yes	Yes	Yes	Yes
74 b	9	6191 Cooper Ave		F-5	American sweetgum	Liquidambar styraciflua	17.0	15 - 20	35	Good	Fair - Poor	Fair - Poor	0	24	Topped	Yes	Yes	Yes	Yes
75	9	NW Corner Knox and Curtis	15510 Curtis	F-65	Mondell pine	Pinus eldarica	25.5	35 - 40	45	Fair	Fair	Good	0	48	Thin canopy, corrected lean	Yes	Yes	Yes	Yes
76	9	NW Corner Knox and Curtis	15510 Curtis	F-62	Mondell pine	Pinus eldarica	21.0	35 - 40	30	Fair	Fair	Good	N/A	60	Codominant scaffolds	No	Yes	No	Yes
76 a	9	NW Corner Knox and Curtis	15510 Curtis	F-63	Mondell pine	Pinus eldarica	18.0	35 - 40	25	Fair	Good	Good	N/A	60	Thin canopy	No	No	No	Yes
77	9	15665 Curtis	15510 Curtis	F-58	London plane	Platanus x hispanica	9.0	30 - 35	35	Fair	Fair	Fair	72	84		No	No	No	No
78	9	15665 Curtis	15510 Curtis	F-57	London plane	Platanus x hispanica	9.0	25 - 30	30	Fair	Fair	Fair	6	36		Yes	No	Yes	Yes
79	9	15645 Curtis Ave	15510 Curtis	F-48	London plane	Platanus x hispanica	12.0	25 - 30	45	Good	Good	Good	0	48	Circling visible surface roots	Yes	No	Yes	Yes
80	9	15623 Curtis ave	15510 Curtis	F-45	Mondell pine	Pinus eldarica	19.5	30 - 35	35	Good	Good	Good	0	72		Yes	No	Yes	Yes
81	9	at Lytle Creek Rd dead end	6370 Lytle Creek	F-24	Mondell pine	Pinus eldarica	22.0	45 - 50	40	Good	Good	Good	0	84		Yes	No	Yes	Yes
82	9	at Lytle Creek Rd dead end	6370 Lytle Creek	F-20	Mondell pine	Pinus eldarica	21.0	35 - 40	35	Good	Good	Good	N/A	120		No	No	No	No
83	9	W/S Lytle Creek Rd	south of Ross Way	Tree removed	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	N/A	N/A	N/A
84	9	6263 Lytle Creek Rd	6220 Lytle Creek	F-21	Mondell pine	Pinus eldarica	19.0	35 - 40	40	Fair	Fair	Fair	0	72	Thin canopy, crossing branches	Yes	No	Yes	Yes
85	9	W/S Lytle Creek Rd	south of Jocelyn Way	Tree removed	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	N/A	N/A	N/A
86	9	W/S Lytle Creek Rd	north of Jocelyn Way	Tree removed	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	N/A	N/A	N/A
87	9	6191 Lytle Creek Rd	6110 Lytle Creek	F-45	Mondell pine	Pinus eldarica	27.0	40 - 45	25	Good	Good	Good	N/A	60		No	Yes	No	Yes
88	9	5979 Fillmore Way	5460 Lytle Creek	F-10	Mondell pine	Pinus eldarica	17.5	30 - 35	30	Fair	Fair	Fair	12	48	Thin canopy, one-sided canopy growth	Yes	Yes	Yes	Yes
88 a	9	5979 Fillmore Way	5460 Lytle Creek	F-11	Mondell pine	Pinus eldarica	13.0	30 - 35	30	Fair - Poor	Fair	Fair	N/A	24	Thin canopy, one-sided canopy growth	No	Yes	No	Yes
89	9	5979 Fillmore Way	5460 Lytle Creek	F-8	Mondell pine	Pinus eldarica	16.5	30 - 35	30	Fair	Fair	Fair	6	60	One-sided canopy growth	Yes	No	Yes	Yes
89 a	9	5979 Fillmore Way	5460 Lytle Creek	F-9	Mondell pine	Pinus eldarica	14.5	30 - 35	35	Fair	Fair	Fair	0	24	One-sided canopy growth	Yes	Yes	Yes	Yes
90	9	5971 Fillmore way	5460 Lytle Creek	F-7	Mondell pine	Pinus eldarica	14.0	25 - 30	25	Poor	Poor	Poor	6	36	Thin canopy, bend in upper trunk	Yes	Yes	Yes	Yes
91	9	5971 Fillmore way	5460 Lytle Creek	F-2	Mondell pine	Pinus eldarica	22.0	40 - 45	40	Good	Good	Good	24	48		Yes	Yes	Yes	Yes
92	9	W/S Lytle Creek Rd	5830 Lytle Creek	F-62	Mondell pine	Pinus eldarica	22.5	35 - 40	45	Good	Fair	Fair	12	60	Slightly one-sided canopy	Yes	Yes	Yes	Yes
93	9	W/S Lytle Creek Rd	5830 Lytle Creek	F-61	Mondell pine	Pinus eldarica	18.0	30 - 35	35	Fair	Fair	Fair	N/A	60	Thin canopy	No	No	No	Yes
94	9	5867 Madison Ln	behind this address on Lytle Creek Rd	Tree removed	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	N/A	N/A	N/A
95	9	W/S Lytle Creek Rd	5710 Lytle Creek	F-45	Mondell pine	Pinus eldarica	18.5	35 - 40	40	Good	Fair	Good	N/A	60	Corrected trunk lean	No	No	No	Yes
96	9	5791 Madison Ln	5710 Lytle Creek	F-39	Mondell pine	Pinus eldarica	19.5	40 - 45	40	Good	Good	Good	6	60		Yes	No	Yes	Yes
97	9	5717 Reagan Dr	5710 Lytle Creek	F-2	Mondell pine	Pinus eldarica	21.0	45 - 50	40	Good	Good	Good	N/A	60		No	Yes	No	Yes
98	9	6040 Mt Lewis Ln	6015 Lytle Creek	F-2	Mondell pine	Pinus eldarica	21.0	45 - 50	30	Good	Fair	Good	N/A	48	Codominant scaffolds	No	Yes	No	Yes
99	9	6040 Mt Lewis Ln	6015 Lytle Creek	F-3	Mondell pine	Pinus eldarica	21.0	40 - 45	35	Good	Good	Good	N/A	60		No	Yes	No	Yes
99 a	9	6040 Mt Lewis Ln	6015 Lytle Creek	F-4	Mondell pine	Pinus eldarica	18.0	40 - 45	35	Good	Fair	Good	N/A	60		No	No	No	Yes
100	9	15541 Curtis Ave	15504 Curtis	F-20	Mondell pine	Pinus eldarica	21.0	35 - 40	35	Good	Fair	Good	0	24	Codominant scaffolds	Yes	Yes	Yes	Yes
100 a	9	15541 Curtis Ave	15504 Curtis	F-19	Mondell pine	Pinus eldarica	22.0	35 - 40	45	Good	Fair	Good	N/A	60	Codominant scaffolds	No	Yes	No	Yes
100 b	9	15541 Curtis Ave	15504 Curtis	F-18	Mondell pine	Pinus eldarica	21.0	35 - 40	35	Good	Good	Good	0	36		Yes	Yes	Yes	Yes
101	9	15541 Curtis Ave	15504 Curtis	F-12	Mondell pine	Pinus eldarica	18.5	30 - 35	30	Fair	Fair	Fair	0	36	Listed as vacant site	Yes	Yes	Yes	Yes
102	9	N/S Curtis	15510 Curtis	F-31	Mondell pine	Pinus eldarica	22.0	45 - 50	30	Good	Fair	Good	N/A	36		No	Yes	No	Yes



	Map Grid	Address	Cross Street/ Comments	Arbor Access Tree Number	Common Name	Botanical Name	DBH	Height	Canopy	Health	Structure	Form	Dis to street roots	Dis to Base	Notes	Structural roots to be cut 3x DBH	Repair to be within 3X DBH distance to base	Structural roots to be cut 5x DBH	Repair to be within 5X DBH distance to base
102 a	9	N/S Curtis	15510 Curtis	F-29	London plane	Platanus x hispanica	10.0	25 - 30	40	Fair	Fair	Fair	0	48		Yes	No	Yes	Yes
103	9	Curtis @ Maloof	15510 Curtis	F-38	Mondell pine	Pinus eldarica	22.0	45 - 50	35	Good	Good	Good	N/A	48		No	Yes	No	Yes
104	9	Curtis @ Maloof	15510 Curtis	F-45	Mondell pine	Pinus eldarica	19.5	35 - 40	35	Good	Good	Good	N/A	72		No	No	No	Yes
105	9	6029 Lily Rock Dr	6005 Knox	F-9	Southern magnolia	Magnolia grandiflora	9.0	20 - 25	30	Fair	Fair	Fair	0	48	Wilted leaves	Yes	No	Yes	No
106	12	15139 Cerritos St		F-1	Southern live oak	Quercus virginiana	14.0	30 - 35	50	Good	Good	Good	N/A	48	Gravel and barrier around base, corrected trunk lean	No	No	No	Yes
107	12	15139 Cerritos St	on Plumrose	S-1	Southern live oak	Quercus virginiana	11.5	25 - 30	45	Fair	Fair	Fair	N/A	48	Gravel and barrier around base, tip dieback	No	No	No	Yes
108	12	6938 Plumrose St		F-1	Southern live oak	Quercus virginiana	13.5	25 - 30	60	Good	Fair	Good	0	36	Slightly one-sided canopy growth, corrected lean	Yes	Yes	Yes	Yes
109	12	6948 Plumrose St		F-1	Southern live oak	Quercus virginiana	15.5	25 - 30	45	Fair	Fair	Fair	0	36	Improper pruning cut with bark tears in upper canopy, corrected lean	Yes	Yes	Yes	Yes
110	12	15162 Cory Ct		F-1	Mondell pine	Pinus eldarica	22.0	35 - 40	60	Good	Good	Good	0	24	Signs of decay in visible surface roots	Yes	Yes	Yes	Yes
111	12	15111 Holiday Dr		F-1	London plane	Platanus x hispanica	13.0	40 - 45	65	Good	Good	Good	0	36		Yes	Yes	Yes	Yes
112	12	15138 Holiday Dr		F-1	Southern live oak	Quercus virginiana	14.0	25 - 30	50	Good	Fair	Good	0	48	Previous root cuts, corrected trunk lean	Yes	No	Yes	Yes
113	12	15158 Holiday Dr		F-1	Southern live oak	Quercus virginiana	14.5	25 - 30	65	Fair	Fair	Fair	0	48	Previous branch failure leading to one-sided canopy growth	Yes	No	Yes	Yes
114	12	15178 Holiday Dr		F-1	Southern live oak	Quercus virginiana	11.5	20 - 25	50	Good	Good	Good	N/A	48	Corrected lean	No	No	No	Yes
115	12	15245 Beartree St		Private Tree	Jacaranda	Jacaranda mimosifolia	15.0	25 - 30	55	Good	Good	Good	0	24	Previous root cuts	Yes	Yes	Yes	Yes
116	12	7222 Andrea St		Private Tree	Italian stone pine	Pinus pinea	26.0	50 - 55	65	Good	Good	Good	N/A	144		No	No	No	No
117	12	Hemlock and Eastgate	7105 Hemlock	F-16	Italian stone pine	Pinus pinea	42.5	55 - 60	65	Good	Fair	Good	0	0	Codominant scaffolds	Yes	Yes	Yes	Yes
118	12	Hemlock and Bellgrove	on W/S Hemlock about 100 ft south of intersection	Private Tree	Camphor tree	Cinnamomum camphora	14.0	30 - 35	30	Good	Good	Good	0	48		Yes	No	Yes	Yes
119	12	14535 Arizona St		Private Tree	Camphor tree	Cinnamomum camphora	13.0	20 - 25	55	Good	Good	Good	24	48		Yes	No	Yes	Yes
120	12	14512 Nevada Ct		Private Tree	Italian stone pine	Pinus pinea	26.0	45 - 50	65	Good	Good	Good	N/A	144		No	No	No	No
121	12	7124 Oregon St	14515 Hawaii	F-3	California fan palm	Washingtonia filifera	21.5	50 - 55	15	Good	Good	Good	N/A	6		No	Yes	No	Yes
122	12	14590 Idaho St		Private Tree	Camphor tree	Cinnamomum camphora	11.0	15 - 20	45	Good	Good	Good	N/A	60		No	No	No	No
123	12	14635 Colorado St		Private Tree	African fern pine	Afrocarpus falcatus	13.0	20 - 25	30	Good	Good	Good	12	60		Yes	No	Yes	Yes
124	12	7067 Nebraska St	7077 Nebraska	F-1	Southern magnolia	Magnolia grandiflora	11.5	40 - 45	30	Fair	Fair	Fair	N/A	36	Wilted leaves, epicormic growth on lower trunk	No	No	No	Yes
125	13	7175 Birch Tree PL		Private Tree	Holly oak	Quercus illex	12.0	45/45	10	Good	Fair	Fair	N/A	60	Pruned as topiary, corrected trunk lean	No	No	No	Yes
126	13	7209 Magnolia Pl	on Apricot Tree Way	Private Tree	Edible fig	Ficus carica	13.0	15 - 20	55	Good	Good	Good	0	12		Yes	Yes	Yes	Yes
127	13	7038 Fremontia Ave	on Kristine	S-4	Mondell pine	Pinus eldarica	25.5	45 - 50	60	Good	Good	Good	N/A	120		No	No	No	Yes
128	13	6923 Irene Ct	15451 Walnut	F-12	Aleppo pine	Pinus halepensis	18.0	35 - 40	45	Fair	Fair	Fair	0	72	Thin canopy, trimmed to one-sided canopy	Yes	No	Yes	Yes
129	13	6919 Lisa Dr		Private Tree	London plane	Platanus x hispanica	13.5	35 - 40	40	Fair	Fair	Fair - Poor	0	60	Severely pruned	Yes	No	Yes	Yes
130	13	6924 Lisa Dr		Private Tree	London plane	Platanus x hispanica	23.0	50 - 55	70	Good	Good	Good	0	72		Yes	No	Yes	Yes
131	13	7151 Elsa Ct		Private Tree	London plane	Platanus x hispanica	18.0	30 - 35	40	Good	Fair - Poor	Fair - Poor	48	72	Topped	Yes	No	Yes	Yes
132	13	15759 Virginia dr		F-1	Hong Kong orchid tree	Bauhinia x blakeana	16.5	25 - 30	60	Good	Good	Good	12	36		Yes	Yes	Yes	Yes
133	13	15751 Virginia Dr		F-1	Hong Kong orchid tree	Bauhinia x blakeana	10.5	25 - 30	45	Good	Good	Good	N/A	36		No	No	No	Yes
134	13	15423 McDonnell Ave	across from address	Not in Inventory	Modesto ash	Fraxinus velutina 'Modesto'	6.0	15 - 20	35	Fair	Fair	Fair	0	60	Signs of decay in visible surface roots	Yes	No	Yes	No
135	13	6830 Beechcraft ave		Private Tree	Modesto ash	Fraxinus velutina 'Modesto'	15.0	25 - 30	50	Good	Good	Good	0	60		Yes	No	Yes	Yes
136	13	6830 Beechcraft ave		Private Tree	Modesto ash	Fraxinus velutina 'Modesto'	15.0	25 - 30	50	Good	Good	Good	N/A	240	Same tree as above	No	No	No	No
137	13	6838 Westwind ave	on Southwind		Stump	Stump	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	N/A	N/A	N/A
138	13	6818 Westwind Ave	on Southwind	Not in Inventory	American sweetgum	Liquidambar styraciflua	13.5	35 - 40	40	Good	Good	Good	0	48	Signs of root decay in visible surface roots	Yes	No	Yes	Yes



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139	13	6679 Tokay		Private Tree	Pepper tree	Schinus molle	28.0	35 - 40	45	Fair	Fair	Fair	N/A	120		No	No	No	Yes
140	13	6836 Tahoe Way		F-1	Bottle tree	Brachychiton populneus	10.0	25 - 30	40	Good	Good	Good	0	36		Yes	No	Yes	Yes
141	13	16025 San Leandro Dr		F-2	Holly oak	Quercus illex	10.5	25 - 30	40	Fair	Fair	Fair	18	36		Yes	No	Yes	Yes
142	13	6917 Tahoe Way		Not in Inventory	Bottle tree	Brachychiton populneus	9.5	15 - 20	25	Good	Good	Good	N/A	60		No	No	No	No
143	13	7237 Almeria		F-1	American sweetgum	Liquidambar styraciflua	12.0	30 - 35	40	Fair	Good	Good	0	36	Deadwood in canopy	Yes	Yes	Yes	Yes
144	18	E/S Hemlock	Between Red Sox and Indian Dr	S-1	Southern magnolia	Magnolia grandiflora	11.5	35 - 40	45	Good	Good	Good	0	36		Yes	No	Yes	Yes
145	18	7720 Mariners Way		F-1	American sweetgum	Liquidambar styraciflua	12.5	35 - 40	50	Good	Fair	Fair	0	36	Surface roots observed in yard opposite the sidewalk. Codominant scaffolds	Yes	Yes	Yes	Yes
146	18	7690 Newberry Ln		Private Tree	Southern magnolia	Magnolia grandiflora	12.5	30 - 35	45	Fair	Fair	Fair	N/A	60	Surrounded by artificial turf, thin canopy	No	No	No	Yes
147	18	15157 Dandelion Ln	sidewalk panel is located on Mums		N/A	No Tree at this location	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	N/A	N/A	N/A
148	18	7662 Poppy Ln	located on edelweiss st	Not in Inventory	African sumac	Searsia lancea	10.0	15 - 20	35	Fair	Fair	Fair	N/A	24	Gravel up to the base of the tree., corrected trunk lean	No	Yes	No	Yes
148 a	18	7662 Poppy Ln		Not in Inventory	African sumac	Searsia lancea	13.0	15 - 20	40	Good	Fair	Good	12	12	Gravel up to the base of the tree	Yes	Yes	Yes	Yes
149	18	15207 Edelweiss st	30 st east of address	Not in Inventory	African sumac	Searsia lancea	13.0	15 - 20	25	Good	Good	Good	0	18		Yes	Yes	Yes	Yes
150	18	E/S Hemlock FROM MILLER	15106 Hemlock	F-2	Mondell pine	Pinus eldarica	23.0	40 - 45	50	Good	Good	Good	N/A	18		No	Yes	No	Yes
151	18	15151 Edelweiss st	15106 Hemlock	F-11	Mondell pine	Pinus eldarica	24.0	45 - 50	40	Fair	Fair	Fair	N/A	36	Large wound at base, partially compartmentalized. Slightly one-sided canopy growth	No	Yes	No	Yes
152	18	15199 Edelweiss st	15106 Hemlock	F-23	Mondell pine	Pinus eldarica	21.0	35 - 40	45	Good	Fair	Fair	N/A	36	Slightly one-sided canopy growth	No	Yes	No	Yes
153	18	50ft west of Miller & poppy N/S	15106 Hemlock	F-29	Mondell pine	Pinus eldarica	20.0	35 - 40	40	Good	Fair	Fair	N/A	36		No	Yes	No	Yes
154	18	15080 Miller ave		F-7	Flooded gum	Eucalyptus rudis	21.0	45 - 50	45	Good	Good	Good	24	36		Yes	Yes	Yes	Yes
155	18	15080 Miller ave		S-7	Bottle tree	Brachychiton populneus	13.0	25 - 30	40	Good	Fair	Fair	0	36		Yes	Yes	Yes	Yes
156	18	7688 Plumaria st		F-1	American sweetgum	Liquidambar styraciflua	15.5	40 - 45	25	Fair	Fair	Good	0	36	Tip dieback	Yes	Yes	Yes	Yes
157	18	14932 Dandelion st		Private Tree	Bottle tree	Brachychiton populneus	14.0	20 - 25	30	Good	Fair	Fair	36	48		Yes	No	Yes	Yes
158	18	15072 Cornflower ct		Private Tree	Brisbane box	Lophostemon confertus	20.0	35 - 40	50	Good	Good	Good	0	24		Yes	Yes	Yes	Yes
159	18	15073 Alyssum ct		Private Tree	Ornamental pear	Pyrus calleryana	16.0	15 - 20	20	Fair	Fair - Poor	Fair - Poor	0	48	Pollarded	Yes	Yes	Yes	Yes
160	18	14951 Fernleaf		Private Tree	African sumac	Searsia lancea	18.0	30 - 35	60	Good	Good	Good	12	60		Yes	No	Yes	Yes
161	18	7330 cornstone ln		Private Tree	African sumac	Searsia lancea	16.0	15 - 20	50	Fair	Fair	Fair	N/A	60	Signs of branch decay in lower canopy	No	No	No	Yes
162	18	15060 Snapdragon dr		Private Tree	Southern magnolia	Magnolia grandiflora	16.0	20 - 25	40	Fair	Fair	Fair	0	120	Surface roots observed in the parkway opposite the sidewalk.	Yes	No	Yes	No
163	18	E/S VILLAGE PRKWAY 100FT S OF VILLAGE PARKWAY/ BASELINE	7301 Rancho Fontana Village	F-8	California sycamore	Platanus racemosa	12.5	45 - 50	35	Good	Good	Good	0	36		Yes	Yes	Yes	Yes
164	18	E/S VILLAGE PRKWAY 150FT S OF VILLAGE PARKWAY/ BASELINE	7301 Rancho Fontana Village	F-11	California sycamore	Platanus racemosa	12.5	45 - 50	35	Good	Fair	Good	12	48	Corrected trunk lean	Yes	No	Yes	Yes
165	18	E/S VILLAGE PRKWAY 160FT S OF VILLAGE PARKWAY/ BASELINE	7301 Rancho Fontana Village	F-11	California sycamore	Platanus racemosa	12.5	45 - 50	35	Good	Fair	Good	12	48	Same tree as above	Yes	No	Yes	Yes
166	18	E/S VILLAGE AND SNAPDRAGON	7301 Rancho Fontana Village	F-19	California sycamore	Platanus racemosa	15.0	45 - 50	35	Good	Good	Good	24	60	Circling visible surface roots	Yes	No	Yes	Yes
167	18	15235 GERANIUM ST		Private Tree	Camphor tree	Cinnamomum camphora	11.5	20 - 25	45	Good	Good	Good	N/A	60		No	No	No	No
168	18	N/S VILLAGE PKWY AND POPPY LANE	15200 Rancho Fontana Village	F-4	Red ironbark	Eucalyptus sideroxylon	24.5	45 - 50	55	Good	Fair	Good	0	12	Codominant scaffolds	Yes	Yes	Yes	Yes
169	18	N/S VILLAGE PKWY AND Violet st	15200 Rancho Fontana Village	F-1	Red ironbark	Eucalyptus sideroxylon	24.0	45 - 50	60	Good	Fair	Fair	N/A	60		No	Yes	No	Yes
170	18	W/S VILLAGE PKWY & ANGELICA	7373 Rancho Fontana Village	F-4	Flooded gum	Eucalyptus rudis	33.5	50 - 55	60	Good	Fair	Good	0	48	Signs of decay in visible surface roots, visible crossing surface roots, codominant scaffolds	Yes	Yes	Yes	Yes
171	18	W/S VILLAGE PKWY & ANGELICA	7373 Rancho Fontana Village	F-5	Red ironbark	Eucalyptus sideroxylon	25.0	50 - 55	50	Fair	Fair	Fair	0	48	Signs of decay in visible surface roots, visible crossing surface roots, codominant scaffolds, thin canopy	Yes	Yes	Yes	Yes
172	18	W/S VILLAGE PKWY & CARNATION	15107 Rancho Fontana Village	F-4	Red ironbark	Eucalyptus sideroxylon	28.5	45 - 50	45	Good	Fair	Fair	0	36	Corrected trunk lean, codominant scaffolds	Yes	Yes	Yes	Yes
173	18	W/S VILLAGE PKWY & BEECH	7500 Beech	F-8	Flooded gum	Eucalyptus rudis	33.0	50 - 55	50	Good	Fair	Good	0	12	Codominant scaffolds	Yes	Yes	Yes	Yes
174	18	VILLAGE PKWY & BEECH	W/S 300 FT S OF VILLAGE PKWY	Tree removed	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	N/A	N/A	N/A
175	18	VILLAGE PKWY & BEECH	7500 Beech	F-13	Red ironbark	Eucalyptus sideroxylon	18.0	40 - 45	45	Fair	Fair	Fair	6	12	Circling visible surface roots, thin canopy, uncorrected trunk lean	Yes	Yes	Yes	Yes



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176	18	BEECH & SANDHURST	7600 Beech	F-8	Red Ironbark	Eucalyptus sideroxylon	13.0	35 - 40	15	Fair	Fair	Fair - Poor	12	12	Uncorrected trunk lean, codominant scaffolds	Yes	Yes	Yes	Yes
176 a	18	BEECH & SANDHURST	7600 Beech	F-9	Mondell pine	Pinus eldarica	16.5	40 - 45	40	Good	Fair	Fair	N/A	48	Slightly one-sided canopy growth	No	Yes	No	Yes
177	18	BEECH & MILLER	7600 Beech	F-26	Mondell pine	Pinus eldarica	19.5	35 - 40	35	Good	Good	Good	N/A	36		No	Yes	No	Yes
178	18	SW CORNER OF BEECH & SUNFLOWER	7379 Mandrake	S-3	Crape myrtle	Lagerstroemia indica	7.5	20 - 25	35	Good	Good	Good	0	48		Yes	No	Yes	No
179	18	S/S 100FT WEST OF BEECH & BASELINE	15105 Baseline	F-47	Mondell pine	Pinus eldarica	23.0	25 - 30	35	Fair	Fair - Poor	Fair - Poor	N/A	48	Topped, one-sided canopy growth, thin canopy	No	Yes	No	Yes
180	18	S/S 120 FT WEST OF BEECH & BASELINE	15105 Baseline	F-45	Mondell pine	Pinus eldarica	21.5	25 - 30	40	Good	Fair - Poor	Fair - Poor	N/A	60	Topped	No	Yes	No	Yes
181	18	S/S 300FT WEST OF BEECH AND BASELINE	15105 Baseline	F-39	Mondell pine	Pinus eldarica	24.0	25 - 30	45	Good	Fair - Poor	Fair - Poor	N/A	60	Topped	No	Yes	No	Yes
182	19	16060 JACKSON DR		F-1	London plane	Platanus x hispanica	14.5	35 - 40	45	Good	Fair	Fair	N/A	36		No	Yes	No	Yes
183	19	16060 JACKSON DR	16050 Jackson	F-3	London plane	Platanus x hispanica	11.5	35 - 40	45	Good	Good	Good	18	36		Yes	No	Yes	Yes
184	19	16050 JACKSON DR		F-1	London plane	Platanus x hispanica	15.0	30 - 35	35	Fair	Fair	Fair	12	36	Signs of decay in visible surface roots, Thin canopy	Yes	Yes	Yes	Yes
184 a	19	16050 JACKSON DR		F-2	London plane	Platanus x hispanica	10.0	30 - 35	35	Fair - Poor	Fair	Fair	N/A	36	Thin canopy, deadwood throughout canopy	No	No	No	Yes
185	19	7450 Cherimoya Ct		Private Tree	Aleppo pine	Pinus halepensis	40.0	55 - 60	80	Good	Fair	Good	72	96	Codominant scaffolds	Yes	Yes	Yes	Yes
186	19	7775 WHITEWOOD DR		F-1	Flooded gum	Eucalyptus rudis	26.5	50 - 55	50	Fair	Good	Good	N/A	108	Deadwood throughout the canopy	No	No	No	Yes
187	19	7700 WHITEWOOD DR		F-1	Bottle tree	Brachychiton populneus	11.0	35 - 40	20	Fair	Fair	Fair	0	48	One-sided canopy growth, no limbs along lower 25' of the trunk	Yes	No	Yes	Yes
188	19	15760 Fairview Dr	located on side street east of adress Whitewood dr	S-2	Bottle tree	Brachychiton populneus	11.0	15 - 20	30	Good	Fair	Fair	12	36	Codominant scaffolds	Yes	No	Yes	Yes
189	19	15695 Fairview Dr	15715 Fairview	F-1	Chinese pistache	Pistacia chinensis	11.0	20 - 25	45	Good	Good	Good	N/A	36		No	No	No	Yes
190	19	15695 Fairview Dr		F-1	Chinese pistache	Pistacia chinensis	13.5	20 - 25	45	Fair	Good	Good	0	36	Tip dieback	Yes	Yes	Yes	Yes
191	19	15675 REED DR		F-3	Pepper tree	Schinus molle	24.0	35 - 40	60	Good	Good	Good	0	24		Yes	Yes	Yes	Yes
191 a	19	15675 REED DR		F-4	Chinaberry	Melia azedarach	16.0	35 - 40	55	Good	Good	Good	0	36		Yes	Yes	Yes	Yes
192	19	SW Corner of Tokay Ave and Ava PL	7700 Tokay	F-4	American sweetgum	Liquidambar styraciflua	16.5	40 - 45	40	Fair	Good	Good	0	24	Previous root cuts, signs of decay in visible surface roots	Yes	Yes	Yes	Yes
193	19	7775 Tokay	7700 Tokay	F-11	American sweetgum	Liquidambar styraciflua	19.0	40 - 45	40	Fair	Fair	Fair	0	36	Signs of decay in visible surface roots	Yes	Yes	Yes	Yes
194	19	7915 Tokay	7908 Tokay	F-3	Weeping fig	Ficus benjamina	10.5	20 - 25	35	Good	Good	Good	0	48		Yes	No	Yes	Yes
195	19	16080 Fairview Ct		F-1	American sweetgum	Liquidambar styraciflua	22.0	50 - 55	50	Good	Good	Good	N/A	18		No	Yes	No	Yes
196	19	16070 Fairview Ct		F-1	American sweetgum	Liquidambar styraciflua	14.5	45 - 50	40	Good	Fair	Good	0	36	Codominant scaffolds	Yes	Yes	Yes	Yes
197	19	7755 Tokay Ave		F-4	London plane	Platanus x hispanica	19.5	45 - 50	60	Good	Good	Good	N/A	24		No	Yes	No	Yes
198	19	15820 Miller		F-1	Southern magnolia	Magnolia grandiflora	10.0	20 - 25	35	Good	Good	Good	N/A	36		No	No	No	Yes
199	19	S/E Corner Beech and Sunflower Ln	7355 Beech	F-4	Mondell pine	Pinus eldarica	20.5	40 - 45	40	Good	Good	Good	N/A	6	Corrected trunk bends	No	Yes	No	Yes
200	19	E/S Beech	7355 Beech	F-11	Mondell pine	Pinus eldarica	19.0	35 - 40	45	Fair	Good	Good	0	0	Thin canopy	Yes	Yes	Yes	Yes
201	19	E/S Beech	7355 Beech	F-36	Mondell pine	Pinus eldarica	24.5	35 - 40	45	Good	Fair	Fair	N/A	12	Slightly one-sided canopy growth, codominant scaffolds	No	Yes	No	Yes
202	19	7436 Peppertree Ln	No Tree at this location	No Tree	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	N/A	N/A	N/A
203	19	15535 Joliet Ct		Private Tree	Bottle tree	Brachychiton populneus	13.0	30 - 35	50	Fair	Fair	Fair	0	48	One-sided canopy growth, codominant scaffolds, deadwood in upper canopy	Yes	No	Yes	Yes
204	19	7423 Sultana Ave		Private Tree	Chinese flame tree	Koelreuteria bipinnata	11.5	30 - 35	30	Good	Fair	Good	36	60	Codominant scaffolds	No	No	Yes	No
205	19	15384 Village Pkwy	15370 Rancho Fontana Village	F-2	London plane	Platanus x hispanica	20.0	40 - 45	65	Good	Good	Good	0	24		Yes	Yes	Yes	Yes
206	19	15420 Village Pkwy	15401 Rancho Fontana Village	F-4	London plane	Platanus x hispanica	18.0	40 - 45	50	Good	Fair	Good	6	48	Codominant scaffolds	Yes	Yes	Yes	Yes
207	19	15432 Village Pkwy	15401 Rancho Fontana Village	F-9	London plane	Platanus x hispanica	12.5	35 - 40	40	Fair	Fair	Fair	N/A	48	Thin canopy	No	No	No	Yes
208	19	15432 Village Pkwy	15401 Rancho Fontana Village	F-11	Nichol's willow/leafed peppermint	Eucalyptus nicholii	21.0	35 - 40	45	Good	Fair	Good	N/A	48	Uncorrected trunk lean	No	Yes	No	Yes
209	19	15474 Village Pkwy		Private Tree	Modesto ash	Fraxinus velutina 'Modesto'	11.0	25 - 30	35	Fair	Fair	Fair	0	60	Signs of decay around previous pruning wound, codominant scaffolds	Yes	No	Yes	No
210	19	7583 Maloof	15557 Raymond	S-2	American sweetgum	Liquidambar styraciflua	12.0	15 - 20	30	Fair	Fair - Poor	Fair - Poor	24	36	Topped, signs of decay in visible surface roots	Yes	Yes	Yes	Yes



	Map Grid	Address	Cross Street/ Comments	Arbor Access Tree Number	Common Name	Botanical Name	DBH	Height	Canopy	Health	Structure	Form	Dis to street roots	Dis to Base	Notes	Structural roots to be cut 3x DBH	Repair to be within 3X DBH distance to base	Structural roots to be cut 5x DBH	Repair to be within 5X DBH distance to base
211	19	7593 Redbluff Ln		F-2	Weeping fig	Ficus benjamina	8.0	15 - 20	30	Fair	Fair	Fair	N/A	24	Thin canopy	No	Yes	No	Yes
212	19	7537 Redbluff Ln		F-1	Southern magnolia	Magnolia grandiflora	10.0	20 - 25	40	Good	Good	Good	24	36		Yes	No	Yes	Yes
213	19	15960 Mesa Dr		F-1	Camphor tree	Cinnamomum camphora	8.5	20 - 25	30	Fair	Fair	Fair	N/A	36	Thin canopy, codominant scaffolds	No	No	No	Yes
214	19	15970 Mesa Dr		F-1	Bottle tree	Brachychiton populneus	8.0	15 - 20	15	Fair	Poor	Fair - Poor	6	48	Thin canopy, codominant scaffolds, twisted canopy structure	Yes	No	Yes	No
215	19	15940 Jackson Dr		F-1	American sweetgum	Liquidambar styraciflua	14.5	35 - 40	40	Good	Good	Good	6	60	Signs of decay in visible surface roots	Yes	No	Yes	Yes
216	19	15834 Montgomery		F-1	Southern magnolia	Magnolia grandiflora	14.0	35 - 40	40	Good	Fair	Good	0	36	Uncorrected trunk lean	Yes	Yes	Yes	Yes
217	19	7434 Catawba Dr		F-1	Hong Kong orchid tree	Bauhinia x blakeana	24.5	20 - 25	45	Good	Fair	Good	0	48	Corrected trunk lean, codominant scaffolds	Yes	Yes	Yes	Yes
218	19	7448 Catawba Dr		Tree removed	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	N/A	N/A	N/A
219	19	7477 Catawba Dr		F-1	American sweetgum	Liquidambar styraciflua	12.5	30 - 35	30	Good	Fair - Poor	Fair - Poor	6	48	Topped	Yes	No	Yes	Yes
220	19	7530 Catawba Dr		F-1	Hong Kong orchid tree	Bauhinia x blakeana	15.5	25 - 30	45	Good	Good	Good	0	36		Yes	Yes	Yes	Yes
221	19	7541 Catawba Dr		F-1	Pepper tree	Schinus molle	31.5	35 - 40	65	Fair	Fair	Good	0	48	Armillaria mushrooms at base of trunk, Twisted scaffold structure	Yes	Yes	Yes	Yes
222	19	7554 Catawba Dr		F-1	Carrot wood	Cupaniopsis anacardioides	20.0	30 - 35	60	Good	Fair	Good	N/A	36	Twisted scaffold structure	No	Yes	No	Yes
223	19	7481 Niagara Dr		Tree removed	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	N/A	N/A	N/A
224	19	7494 Niagara Dr		F-1	Shamel ash	Fraxinus uhdei	15.5	35 - 40	35	Good	Fair	Fair	0	36	One-sided canopy due to previous removal of one of the main scaffolds	Yes	Yes	Yes	Yes
225	19	7640 Catawba Ct		F-1	Hong Kong orchid tree	Bauhinia x blakeana	18.5	25 - 30	30	Good	Fair	Fair	N/A	36	Barrier around tree @ 24", Corrected trunk lean	No	Yes	No	Yes
226	19	7645 Catawba Ct		F-1	Hong Kong orchid tree	Bauhinia x blakeana	14.0	20 - 25	30	Good	Fair	Fair	N/A	36	Structural roots damaging curb, uncorrected lean, signs of decay in visible surface roots	No	Yes	No	Yes
227	19	7485 Jacaranda Ave		F-1	Jacaranda	Jacaranda mimosifolia	19.0	35 - 40	60	Good	Fair	Fair	24	36	Signs of decay in visible surface roots, corrected trunk lean	Yes	Yes	Yes	Yes
228	19	7485 Jacaranda Ave		F-1	Jacaranda	Jacaranda mimosifolia	19.0	35 - 40	60	Good	Fair	Fair	12	72	Same tree as above	Yes	No	Yes	Yes
229	19	7480 Jacaranda Ave		F-1	Jacaranda	Jacaranda mimosifolia	19.0	35 - 40	65	Good	Good	Good	0	84	Previous root cuts	Yes	No	Yes	Yes
230	19	7456 Jacaranda Ave	7440 Jacaranda	F-1	London plane	Platanus x hispanica	17.0	35 - 40	65	Good	Good	Good	0	108		Yes	No	Yes	No
231	19	7440 Jacaranda Ave	7440 Jacaranda	F-1	London plane	Platanus x hispanica	17.0	35 - 40	65	Good	Good	Good	0	72	Same tree as above	Yes	No	Yes	Yes
232	19	7424 Jacaranda Ave		F-1	London plane	Platanus x hispanica	31.0	35 - 40	65	Good	Fair	Good	0	36	Surface roots passing under sidewalk visible in adjacent yard, codominant trunks, signs of decay in visible surface roots	Yes	Yes	Yes	Yes
233	19	15945 Sunburst Dr	7427 Jacaranda	S-2	California sycamore	Platanus racemosa	21.0	50 - 55	60	Good	Good	Good	0	48	Signs of decay in visible surface roots	Yes	Yes	Yes	Yes
234	19	7430 Tokay	located on Sunburst	S-2	London plane	Platanus x hispanica	12.0	35 - 40	50	Good	Fair	Good	36	48	Signs of decay in visible surface roots, codominant scaffolds	Yes	No	Yes	Yes
235	19	7482 Concord		F-1	Camphor tree	Cinnamomum camphora	11.5	25 - 30	40	Fair	Fair	Fair	N/A	48	One-sided canopy growth, tip dieback, codominant scaffolds	No	No	No	Yes
236	19	7680 Concord		F-1	Camphor tree	Cinnamomum camphora	15.0	25 - 30	55	Good	Fair	Good	12	36	Codominant scaffolds	Yes	Yes	Yes	Yes
237	19	7645 Cherimoya Ct		F-1	Silk tree	Albizia julibrissin	15.5	15 - 20	30	Fair	Fair	Fair	0	48	Signs of decay in visible surface roots, previous root cuts, deadwood throughout canopy, codominant scaffolds	Yes	No	Yes	Yes
238	19	16040 Ramona Dr		F-1	Rusty-leaf fig	Ficus rubiginosa	25.0	25 - 30	55	Fair	Fair	Good	6	24	One-sided canopy growth due to previous removal of main scaffold, deadwood in upper canopy	Yes	Yes	Yes	Yes
239	19	16015 Elaine Dr		F-1	Jacaranda	Jacaranda mimosifolia	17.5	35 - 40	50	Good	Good	Good	18	24	Signs of decay in visible surface roots	Yes	Yes	Yes	Yes
240	19	7535 Cherimoya Ct		F-1	Brazilian pepper	Schinus terebinthifolius	20.0	25 - 30	65	Good	Fair	Good	36	36	Circling visible surface roots, corrected trunk lean, twisted scaffold structure	Yes	Yes	Yes	Yes
241	19	7515 Cherimoya Ct		F-1	Brazilian pepper	Schinus terebinthifolius	8.0	45-45	30	Fair	Fair - Poor	Fair - Poor	N/A	48	Severely pruned, twisted scaffold structure	No	No	No	No
242	19	16010 Elaine Dr		F-1	Jacaranda	Jacaranda mimosifolia	23.0	30 - 35	55	Good	Fair	Fair	6	48	Previous root cuts, codominant scaffolds	Yes	Yes	Yes	Yes
243	19	16010 Elaine Dr	located on tokay	Private Tree	Carob	Ceratonia siliqua	28.0	25 - 30	50	Good	Good	Good	6	120		Yes	No	Yes	Yes
244	19	7525 Tokay		F-1	London plane	Platanus x hispanica	22.5	50 - 55	70	Good	Good	Good	0	48		Yes	Yes	Yes	Yes
245	19	7670 Citrus		Private Tree	Crape myrtle	Lagerstroemia indica	5.0	10 - 15	15	Good	Good	Good	N/A	36		No	No	No	No
246	19	7660 Citrus		Tree removed	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	N/A	N/A	N/A
247	19	7630 Citrus		F-1	London plane	Platanus x hispanica	14.0	30 - 35	55	Fair - Poor	Fair - Poor	Fair - Poor	12	48	Signs of decay in visible surface roots, deadwood throughout canopy, tip dieback	Yes	No	Yes	Yes
248	19	7590 Citrus		F-1	California sycamore	Platanus racemosa	20.0	40 - 45	60	Good	Fair	Good	0	36	Signs of decay in visible surface roots, uncorrected trunk lean	Yes	Yes	Yes	Yes



	Map Grid	Address	Cross Street/ Comments	Arbor Access Tree Number	Common Name	Botanical Name	DBH	Height	Canopy	Health	Structure	Form	Dis to struct roots	Dis to Base	Notes	Structural roots to be cut 3x DBH	Repair to be within 3X DBH distance to base	Structural roots to be cut 5x DBH	Repair to be within 5X DBH distance to base
249	19	7520 Citrus		F-1	London plane	Platanus x hispanica	18.5	45 - 60	60	Good	Good	Good	N/A	96		No	No	No	No
250	19	7510 Citrus	16095 San Jacinto	S-3	London plane	Platanus x hispanica	14.0	40 - 45	50	Good	Fair	Fair	N/A	36	One-sided canopy growth, codominant scaffolds	No	Yes	No	Yes
251	19	16095 San Jacinto	on Citrus	S-1	London plane	Platanus x hispanica	18.0	30 - 35	55	Fair	Fair	Fair	24	36	Codominant scaffolds, deadwood throughout canopy	Yes	Yes	Yes	Yes
252	19	7420 Citrus		F-1	London plane	Platanus x hispanica	19.0	35 - 40	50	Good	Fair	Good	N/A	36	Slightly one-sided canopy growth	No	Yes	No	Yes
253	19	7420 Citrus		F-2	London plane	Platanus x hispanica	17.5	35 - 40	45	Fair	Fair	Fair	24	36	Corrected trunk lean, deadwood throughout canopy	Yes	Yes	Yes	Yes
254	19	16095 Jackson dr	on citrus	S-1	London plane	Platanus x hispanica	16.0	30 - 35	60	Fair	Good	Good	18	36	Deadwood throughout the canopy	Yes	Yes	Yes	Yes
255	26	16007 Merrill Ave	23 ft west of apartment driveway approach	F-3	Canary Island pine	Pinus canariensis	27.0	60 - 65	40	Good	Fair	Good	N/A	12	Corrected trunk lean	No	Yes	No	Yes
256 a	26	16007 Merrill Ave	23 ft west of apartment driveway approach	F-4	Canary Island pine	Pinus canariensis	27.5	55 - 60	35	Good	Fair	Fair	0	12		Yes	Yes	Yes	Yes
256	26	16007 Merrill Ave	65 ft east of apartment driveway approach	F-6	Canary Island pine	Pinus canariensis	22.0	55 - 60	35	Fair	Fair	Fair	N/A	24		No	Yes	No	Yes
257	26	8888 Citrus Ave	60 ft north from Citrus and Merrill Intersection	Private Tree	Carrot wood	Cupaniopsis anacardioides	16.5	25 - 30	40	Fair	Fair	Fair	60	72	Severely pruned	No	No	Yes	Yes
258	26	8888 Citrus Ave	10 ft north of citrus and merrill intersection	F-6	Southern magnolia	Magnolia grandiflora	13.0	25 - 30	25	Fair	Fair	Fair	0	36	Thin canopy	Yes	Yes	Yes	Yes
258 a	26	8888 Citrus Ave	10 ft north of citrus and merrill intersection	Private Tree	Cajeput tree	Melaleuca quinquenervia	18.0	20 - 25	20	Fair	Fair	Fair	N/A	36	Severly pruned, signs of decay at base of trunk	No	Yes	No	Yes
259	26	8600 Citrus Ave	20 ft south of apartment entrance	F-11	Red ironbark	Eucalyptus sideroxylon	29.5	60 - 55	50	Good	Fair	Fair	12	36	Codominant scaffolds	Yes	Yes	Yes	Yes
260	26	8555 Citrus Ave	No area for concrete repair noted in this area	No Tree	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	N/A	N/A	N/A
261	26	8555 Citrus Ave	No area for concrete repair noted in this area	No Tree	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	N/A	N/A	N/A
262	26	8555 Citrus Ave	No area for concrete repair noted in this area	No Tree	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	N/A	N/A	N/A
263	26	End of Tokay dead end	8601 Tokay	F-23	Lemon-scented gum	Corymbia citriodora	18.0	40 - 45	35	Good	Fair	Good	N/A	120	Uncorrected trunk lean, listed in AA as Vacant Site	No	No	No	No
264	26	Tokay dead end	8601 Tokay	F-12	Silver dollar gum	Eucalyptus polyanthemos	23.0	40 - 45	40	Good	Fair - Poor	Fair	0	24	Uncorrected trunk lean	Yes	Yes	Yes	Yes
265	26	tokay Deadend	8601 Tokay	F-7	London plane	Platanus x hispanica	4.0	20 - 25	15	Fair	Poor	Poor	0	36	Small tree, deadwood throughout canopy, uncorrected upper trunk bend	Yes	No	Yes	No
266	26	16035 Valencia		F-1	Jacaranda	Jacaranda mimosifolia	26.0	40 - 45	60	Fair	Fair	Fair	6	36	Codominant scaffolds, signs of decay in scaffold branches near previous scaffold failure	Yes	Yes	Yes	Yes
267	26	Tokay	200 ft south of arrow	No Tree	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	N/A	N/A	N/A
268	26	Tokay	16010 Valencia	S-1	River red gum	Eucalyptus camaldulensis	16.0	20 - 25	20	Good	Fair	Fair	0	24	Smaller tree	Yes	Yes	Yes	Yes
269	26	E/S Citrus	16103 Valencia	S-1	Chinese flame tree	Koelreuteria bipinnata	23.5	30 - 35	60	Good	Fair	Good	0	24	Codominant scaffolds	Yes	Yes	Yes	Yes
270	26	E/S Tokay	8101 Tokay	F-1	California sycamore	Platanus racemosa	23.0	40 - 45	45	Good	Good	Good	N/A	84	Corrected trunk lean, codominant scaffolds	No	No	No	Yes
271	26	8174 Tokay	across from address	F-8	California sycamore	Platanus racemosa	23.0	40 - 45	50	Good	Fair	Fair	18	24		Yes	Yes	Yes	Yes
		TOTAL																	

Table 2: Tree Condition and Potential Impacts for the trees included in the Assessment.

Potential Project Impacts and Recommendations

The sidewalk repair plan calls for the removal of roots encountered during the removal of existing concrete and regrading for the new concrete. The critical root zone (CRZ) for a tree is the minimum root volume necessary for the tree to survive. The size of the CRZ can vary depending on species and life stage, however, generally roots within three to five times (3x – 5x) the DBH of a tree are considered to be part of the CRZ. When structural roots are removed in this zone, the stability of the tree can be significantly compromised, making the tree more susceptible to root plate failure.

Structural surface roots were observed for one hundred sixty-nine-seven (169) of the assessed trees that would be cut within three times (3x) the DBH (Highlighted **Red** in Table 2). If the roots will be cut, these trees will likely be recommended for removal. A certified arborist should evaluate the root cuts during the demolition and grading phases to provide individual recommendations to the City.

An additional two (2) trees had visible structural roots that would be cut within five times (5x) the DBH (Highlighted **Orange** in Table 2). The root plate stability will be less impacted by root cuts in this zone, however, these trees should also be evaluated by a certified arborist during the demolition and grading phases to provide the City with recommendations for each tree.

Fifty-three trees (53) had no visible structural roots that were within three times (3x) the DBH, however, the base of the tree was within this zone (Highlighted **Yellow** in Table 2). Thirty-three (33) trees had no visible structural roots in the CRZ, but the base of the tree was within five times (5x) the DBH of the sidewalk (Highlighted **Blue** in Table 2). Fourteen (14) trees had no visible structural roots and the base of the tree was not within the CRZ (Highlighted **Green** in Table 2). If the decision is made to retain these trees, construction should be monitored by a Certified Arborist and the following mitigation measures, based on ANSI A300 Standards and ISA BMPs, should be followed.

1. An International Society of Arboriculture Certified Arborist (Arborist) should be present during excavation.
2. Do not disturb or cut roots greater than 2" in diameter without first being inspected by the Arborist.
 - a. Roots greater than 2" diameter inadvertently cut should be reported to the Arborist to be inspected.
3. Clean cut all roots still connected to the tree root system at the edge of the excavation zone to encourage compartmentalization of the wounds and reduce the likelihood of pathogen infection.
4. Cover roots exposed during excavation with moist burlap to prevent desiccation. The burlap should be kept in place and moist until they are covered with soil or other materials associated with the project work.



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Bibliography

American National Standards Institute. *A300 Tree Care Standards*. ANSI. 2023.

Matheny, Nelda, E. Thomas Smiley, Ryan Gilpin, and Richard Hauer. *Best Management Practices: Managing Trees During Site Development and Construction*. Atlanta: International Society of Arboriculture, 2023.



Appendix A Assumptions and Limiting Conditions

1. Care has been taken to obtain all information from reliable sources. All data has been verified insofar as possible; however, the Consultant can neither guarantee nor be responsible for the accuracy of information provided by others. Standard of Care has been met with regards to this project within reasonable and normal conditions.
2. The Consultant will not be required to give testimony or to attend court due to 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.
3. Loss or alteration of any part of this report invalidates the entire report.
4. 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 written consent of the Consultant.
5. This report and any values expressed herein represent the opinion of the Consultant, and the Consultant's fee is in no way contingent upon the reporting of a stipulated result, a specified value, the occurrence of a subsequent event, nor upon any finding to be reported.
6. Unless expressed otherwise: 1) information contained 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, or coring, unless otherwise stated. There is no warranty or guarantee, expressed or implied, that problems or deficiencies of the tree(s) or property in question may not arise in the future.
7. Arborists are tree specialists who use their education, knowledge, training, and experience to examine trees, recommend measures to enhance the beauty and health of trees, and attempt to reduce the risk of living near trees. It is highly recommended that you follow the arborist recommendations; however, you may choose to accept or disregard the recommendations and/or seek additional advice.
8. Arborists cannot detect every condition that could possibly lead to the structural failure of a tree. Trees are living organisms that fail in ways we do not fully understand. Conditions are often hidden within trees and below ground. Arborists cannot guarantee that a tree will be healthy or safe under all circumstances, or for a specific period.
9. Any recommendations and/or performed treatments (including, but not limited to, pruning or removal) of trees may involve considerations beyond the scope of the arborist's services, such as property boundaries, property ownership, site lines, disputes between neighbors, and any other related issues. Arborists cannot take such considerations into account unless complete and accurate information is disclosed to the arborist. An arborist can then be expected to consider and reasonably rely on the completeness and accuracy of the information provided.
10. The author has no personal interest or bias with respect to the subject matter of this report or the parties involved. He/she has inspected the subject tree(s) and to the best of their knowledge and belief, all statements and information presented in the report are true and correct.



Appendix B Certificate of Performance

I, Jeff Crain certify that:

- I have personally inspected the trees referred to in this report and have stated my findings accurately. The extent of the assessment is stated in the attached report and the Limits of the Assignment.
- I have no current or prospective interest in the tree or the property that are the subject of this report and have no personal interest or bias with respect to the parties involved.
- The analysis, opinions, and conclusions stated herein are my own and are based on current scientific procedures and facts.
- My analysis opinions, and conclusions were developed, and this report has been prepared according to commonly accepted arboricultural practices.
- No one provided significant professional assistance to me, except as indicated within the report.
- My compensation is not contingent upon the reporting of a predetermined conclusion that favors the cause of the client or any other party nor upon the results of the assessment, the attainment of stipulated results, or the occurrence of any subsequent events.

I further certify that I am a member of good standing of the International Society of Arboriculture. I have been involved in the field of municipal arboriculture in a full-time capacity for a period of more than 20 years.

Respectfully,

Jeff Crain
ISA Board Certified Master Arborist #WE-6658B
ISA Qualified Risk Assessor
Plant Health Care Arborist
West Coast Arborists Inc.