

APPENDIX B

ARBORIST REPORT

SBCA TREE CONSULTING

1534 Rose Street, Crockett, CA 94525

Phone: (510) 787-3075

Fax: (510) 787-3065

Website: www.sbcatree.com

Steve Batchelder, Consulting Arborist

WC ISA Certified Arborist #228

CUFC Certified Urban Forester #134

CA Contractor License #(C-27) 53367

E-mail: steve@sbcatree.com

Molly Batchelder, Consulting Arborist

WC ISA Certified Arborist #9613A

ISA Tree Risk Assessment Qualified

E-mail: molly@sbcatree.com

Date: September 27, 2024

To: Adam Carvalho, Project Manager
Kier+Wright
2850 Collier Canyon Road
Livermore, CA 94551

Project: 43800 Osgood Rd. Tree Inventory

Scope: *Arborist was asked to inventory all trees over 4" DBH in the scope provided by Kier+Wright. All trees were provided with a visual assessment of trunks and canopies. Small volunteer palms were not surveyed. Diameter measurements for Italian Cypress (Cupressus sempervirens) at 4.5" was not possible due to significant branching; all cypress were measured at the bases.*

Appendices:

1. Tree Survey Data
2. Tree Location Map [link](#)

Fremont Tree Ordinance¹

Permit or Other Authorization Required for Private Trees Other Than Landmark Trees. A permit or other authorization conferred in accordance with this chapter is required to remove, damage or relocate a private tree if it is:

1. A tree having a DBH of six inches or more and located on a vacant or underdeveloped lot;
2. A tree having a DBH of six inches or more and located on a developed lot which is the subject of a contemplated or pending application for a development project;
3. A native tree or tree of exceptional adaptability to the Fremont area having a DBH of 10 inches or more;
4. A tree having a DBH of 18 inches or more;

Summary

Survey procedure – Arborist attached metal number tags to each tree. Numbers correspond to the *Survey Data Appendix 1* and *Tree Location Map Appendix 2*.

Total trees – One-hundred thirty-three (133) trees were inventoried. Seventeen (17) different species were noted.

¹ <https://www.codepublishing.com/CA/Fremont/#!/Fremont18/Fremont18215.html%2318.215>

Protected – Eighty-six (86) trees have attained Protected tree status by the City of Fremont. A permit is required to remove, damage or relocate protected trees.

- **Multi-stemmed trees** – Arborist reached out to Fremont City Arborist regarding how to determine protected status for multi-stemmed trees, when stem bifurcation occurs below 4.5' and when all stems are under 6". It was confirmed that all stems are to be measured at 4.5', cross-sectional areas are determined for each stem and then added together to achieve one figure.
- **Italian Cypress** – It was not possible to measure at DBHs for the Italian Cypress due to dense foliage at 4.5'. In this case, the diameter was taken at the base and protected status was determined from this measurement.
- **Suckering trees** – Some trees were made up of numerous epicormic and root suckers and measuring each sucker was not practical. Instead, the largest stem was measured, and number of suckers was listed. These trees have little to no value due to problematic structures but some are likely considered "Protected" and were listed as such.

Soil volume in the parking lot – Trees located in the parking lot were observed to be in poor health conditions when available soil volume was limited. If the parking lot trees are proposed for retention, expansion of parkways and cut outs and improvement of soil cultural conditions is recommended.

Table 1. Table below provides a breakdown of each species and summary. Inventory of individual trees is located in *Appendix 1 Tree Survey Data*.

	Species	Common Name	Total Amount	Protected Tree Amount	Overall Retention Suitability	Comments
1	<i>Arbutus unedo</i>	Strawberry Tree	1	1	Good	Located at the northeast corner of the property. Doing well without care; Poor included bark branching structure but low likelihood of failure due to small size.
2	<i>Celtis australis</i>	European Hackberry	1	1	Poor	Appears drought stressed with a poor scaffold structure.
3	<i>Cupressus sempervirens</i>	Italian Cypress	19	19	Good	All are located adjacent to and in contact with the building; Most require pruning/sheering to control branches falling away from canopy. DBH measurements were not possible, all tree diameters were taken at the base, all trees are considered protected unless City determines otherwise.



	Species	Common Name	Total Amount	Protected Tree Amount	Overall Retention Suitability	Comments
4	<i>Ficus carica</i>	Fruiting Fig	1	1	Poor	Likely volunteer that came up from a seed; The tree has an excess of 20 stems.
5	<i>Fraxinus sp.</i>	Ash species	2	2	Poor	Both ash were headed at 3' and 4' for high voltage line clearance. Significant response growth suckering. It is the arborist's opinion that these should not qualify as protected due to the heading cuts and suckering.
6	<i>Lagerstroemia</i> 'Natchez'	Crape Myrtle	1	0	Good	Likely planted as a mistake as all other Crape Myrtles are a different cultivar.
7	<i>Lagerstroemia</i> 'Tuscarora'	Crape Myrtle	19	4	Good	Thriving on neglect; Pink flowering cultivar.
8	<i>Lophostemon confertus</i>	Brisbane Box	3	0	Good-Poor	Fair-poor structures and not thriving where soil volume is limited.
9	<i>Olea europaea</i>	Fruiting Olive	2	2	Fair-Good	Likely volunteers and located in the overgrown southern tree line.
10	<i>Pistacia chinensis</i>	Chinese Pistache	29	24	Good-Poor	Drought tolerant species; Clearance pruning is required for many; Many trees along southern property line suffered catastrophic main stem failures from lack of pruning care.
11	<i>Platanus x hispanica</i>	London Plane	15	14	Fair-Good	Specimens are performing better in locations with greater soil volume; If improved health and greater shaded area is desired for parking lot trees, soil volumes must be expanded and soil cultural conditions improved.
12	<i>Afrocarpus falcatus</i>	African Fern Pine	3	0	Good-Poor	Two specimens are located amongst the lines of cypress; one is performing poorly in the parking lot.



	Species	Common Name	Total Amount	Protected Tree Amount	Overall Retention Suitability	Comments
13	<i>Pyrus calleryana</i>	Callery pear	29	12	Fair-Poor	Trees are in the parking lot. A few are large and healthy, but most are not thriving, possibly due to poor planting stock or inadequate soil volume. Fire blight disease and poor structures are common with this tree.
14	<i>Pyrus communis</i>	Fruiting pear tree	1		Poor	This fruiting pear is likely a mistake from the nursery. A few more undersized fruiting pears were noted in the parking lot.
15	<i>Quercus agrifolia</i>	Coast live oak	2	1	Good	Seedlings from adjacent oaks along Auto Mall Parkway.
16	<i>Searsia lancea</i>	African Sumac	3	3	Poor	Extremely problematic structures made up of multiple suckers. Recent heading cuts were observed, likely for clearance.
17	<i>Washingtonia robusta</i>	Mexican fan palm	2	2	Good	Likely volunteers: Smaller palms were noted and not included in the inventory.
Totals:			133	86		

End

Report submitted by:



Molly Batchelder, Consulting Arborist
WC ISA Certified Arborist #9613A
Tree Risk Assessment Qualified (TRAQ)



Photos



Photo 1. Photo shows London Plane tree #12 in good condition, with satisfactory vigor and foliage density. The tree is planted in a larger volume of soil than the parking lot trees, and its larger size reflects the benefits of this.

Photo 2. Photo below shows London Plane #85 in the foreground and #60 is the background. There is a noticeable difference in health and vigor between the two trees, related to the allotted soil volume provided.

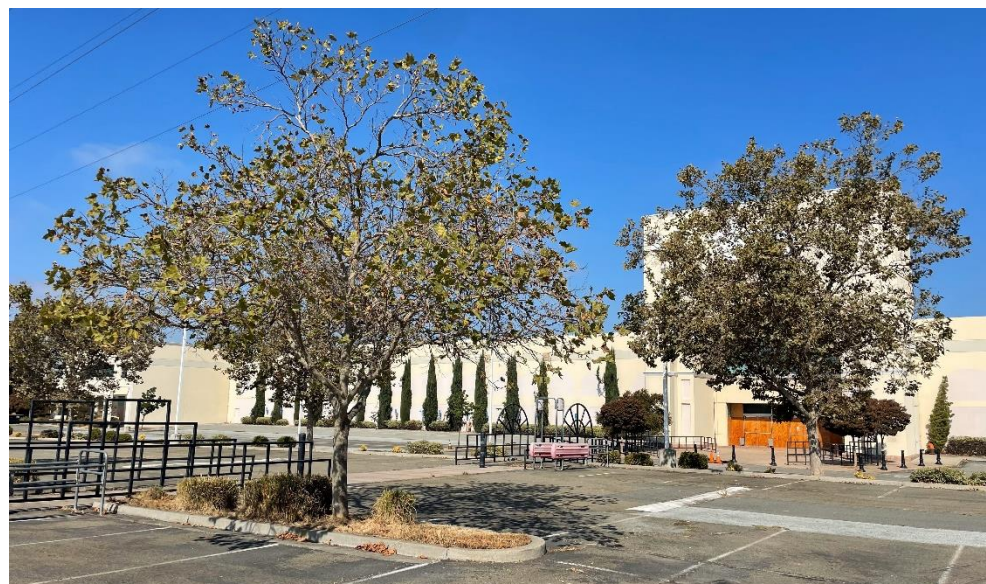




Photo 3. Photo left shows Callery Pear #89 that is relatively healthy and was able to grow to a good size, likely due to better nursery stock (less root boundness) and a larger volume of rootable soil.



Photo 4. Photo left shows Callery Pear #18, which has performed poorly with stunted growth. Most of the pears in the parking area were found to be in a similar condition to #18, rather than to #89 (above).





Photo 5. Photo left shows one of the fruiting pears that was noted in the parking lot. These were likely a mistake from the nursery and not a desirable tree for the location.



Photos 6 and 7. Photos left shows Palm #76. Estimated feet of Clear Trunk is 20'. The above photo shows a palm that was not included in the inventory due to small size.





Photo 8. Photo above shows Tuscarora Crape Myrtle #17 to the left and an undersized Crape Myrtle to the right that was not surveyed

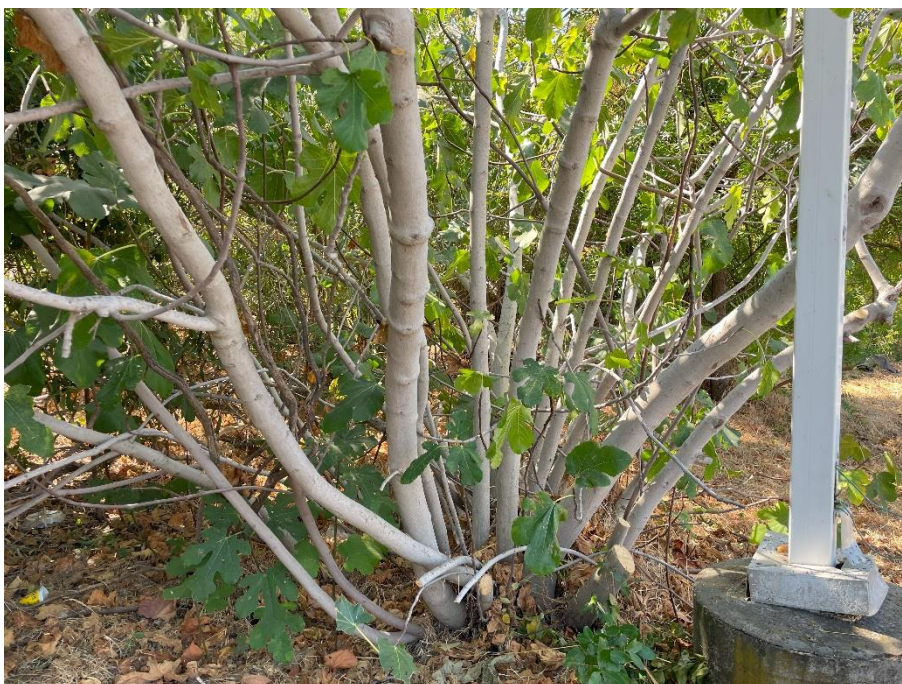


Photo 9. Photo above shows one line of Italian Cypress along the building. Most of the trees have stems that are falling away from the canopies and, if retained, require pruning/shearing work. All trees are considered Protected. However, measurements were not possible at 4.5'.





Photos 10 and 11. Photos this page show ash #121 (left) and fig #122 (below). Adding the cross-sectional areas of all the suckers qualify these trees as protected. However, it is our professional opinion that they should not be distinguished as protected to their very poor structures.





Photos 12 and 13. *Photos this page show two Chinese Pistache along the southern property line that have suffered catastrophic stem failures due to problematic included bark stem attachments and lack of structural pruning care. Ten Chinese Pistache in this area were noted with such failures.*





Photos 14 and 15 – *Photos this page show two of the three African Sumac and problematic structures. They were given a poor suitability for retention rating due to expected future maintenance requirements.*



End Photos



COLUMN HEADING DESCRIPTIONS

Tag# - Indicates the number tag attached to tree

Species - Scientific name

Common Name - Vernacular name

DBH - Diameter measured in inches at 4.5 feet above soil grade; for multi-stemmed trees with ≥ 7 stems, the largest is provided

Multi DBH - Sum of the crosssectional area of multistemmed trees, when stems bifurcate below 4.5', in inches

Diameter - Stem diameter taken below branching bifurcation, in inches

Spread - In feet

Health - Tree Health: E is Excellent, G is Good, F is Fair, P is Poor, D is Dead or Dying

Structure - Tree Structural Safety: E is Excellent, G is Good, F is Fair, P is Poor, H is Hazardous

Protected Tree - Attaining City of Fremont Protected Tree Status: 1 is Yes

Suitability for Retention - Based on Tree Condition: G is Good, F is Fair, P is Poor

TPZ - Tree Root Protection Zone: The radial distance in feet from base of tree that is to be fenced off from all construction suitability.

Notes - See below

ABBREVIATIONS AND DEFINITIONS

Notes

Included bark - This is a structural defect where bark is included between the branch attachment so that the wood cannot heal.

Codominant - A situation where a tree has two or more stems which are of equal diameter and relative amounts of leaf area.

Codominant w/ Embedded Bark (CDEB) - When bark is embedded between codominant stems, failure potential is very high.

Dead Wood - Interior dead branches noted in tree.

Internal Decay - Noted by sounding with a mallet or visible cavities/large pruning wounds.

Poor vertical branch spacing - When many primary branches are located in the same location on the trunk; a poor branch structure.

Multi - Multiple trunks/stems emanate from below breast height (4.5' above soil grade).

Tag	Species	Common name	DBH (in)	Multi DBH	Diameter
1	<i>Lagerstroemia 'Tuscarora'</i>	Crape Myrtle	3.5,3,2.5	7	6
2	<i>Lagerstroemia 'Tuscarora'</i>	Crape Myrtle	3,3,2,2	5	4.5
3	<i>Lagerstroemia 'Tuscarora'</i>	Crape Myrtle	3, 1, 1.5 1.5 1.5	4	4
4	<i>Lagerstroemia 'Tuscarora'</i>	Crape Myrtle	3,2,2	4	3.5
5	<i>Lagerstroemia 'Tuscarora'</i>	Crape Myrtle	3,1		3
6	<i>Platanus x hispanica</i>	London plane	8		
7	<i>Platanus x hispanica</i>	London plane	6.5		
8	<i>Pistacia chinensis</i>	Chinese Pistache	8		

9	<i>Lophostemon confertus</i>	Brisbane box	4		
10	<i>Platanus x hispanica</i>	London plane	13		
11	<i>Platanus x hispanica</i>	London plane	11		
12	<i>Platanus x hispanica</i>	London plane	13		
13	<i>Lagerstroemia 'Tuscarora'</i>	Crape Myrtle	5.5		
14	<i>Lagerstroemia 'Tuscarora'</i>	Crape Myrtle	3,5,2.5	6	5
15	<i>Lagerstroemia 'Tuscarora'</i>	Crape Myrtle	6		
16	<i>Lagerstroemia 'Tuscarora'</i>	Crape Myrtle	5.5		
17	<i>Lagerstroemia 'Tuscarora'</i>	Crape Myrtle	4		
18	<i>Pyrus calleryana</i>	Callery pear	4.5		
19	<i>Cupressus sempervirens</i>	Italian cypress			10
20	<i>Cupressus sempervirens</i>	Italian cypress			10
21	<i>Cupressus sempervirens</i>	Italian cypress			6
22	<i>Cupressus sempervirens</i>	Italian cypress			10
23	<i>Cupressus sempervirens</i>	Italian cypress			11
24	<i>Cupressus sempervirens</i>	Italian cypress			11
25	<i>Cupressus sempervirens</i>	Italian cypress			8

26	<i>Cupressus sempervirens</i>	Italian cypress			12
27	<i>Cupressus sempervirens</i>	Italian cypress			13
28	<i>Cupressus sempervirens</i>	Italian cypress			14
29	<i>Cupressus sempervirens</i>	Italian cypress			13
30	<i>Cupressus sempervirens</i>	Italian cypress			12
31	<i>Cupressus sempervirens</i>	Italian cypress			10
32	<i>Cupressus sempervirens</i>	Italian cypress			12
33	<i>Afrocarpus falcatus</i>	African fern pine	2, 1, 2, 1.5	3.5	9
34	<i>Lagerstroemia 'Natchez'</i>	Crape Myrtle	5		
35	<i>Lagerstroemia 'Tuscarora'</i>	Crape Myrtle	4		
36	<i>Pyrus calleryana</i>	Callery pear	4		
37	<i>Lagerstroemia 'Tuscarora'</i>	Crape Myrtle	4		
38	<i>Lagerstroemia 'Tuscarora'</i>	Crape Myrtle	4		
39	<i>Afrocarpus falcatus</i>	African fern pine	4		
40	<i>Cupressus sempervirens</i>	Italian cypress			8.5

41	<i>Cupressus sempervirens</i>	Italian cypress			10
42	<i>Cupressus sempervirens</i>	Italian cypress			8
43	<i>Cupressus sempervirens</i>	Italian cypress			8.5
44	<i>Cupressus sempervirens</i>	Italian cypress			8
45	<i>Lagerstroemia 'Tuscarora'</i>	Crape Myrtle	3.5		
46	<i>Lagerstroemia 'Tuscarora'</i>	Crape Myrtle	4.5		
47	<i>Lagerstroemia 'Tuscarora'</i>	Crape Myrtle	3,4,2,1.5	5.5	6
48	<i>Pyrus calleryana</i>	Callery pear	4,4,3,3.5	7	7
49	<i>Lophostemon confertus</i>	Brisbane box	4		
50	<i>Lophostemon confertus</i>	Brisbane box	4.5		
51	<i>Pyrus calleryana</i>	Callery pear	3, 1.5,2	4	7
52	<i>Pistacia chinensis</i>	Chinese Pistache	1" multi	3.5	5.5
53	<i>Arbutus unedo</i>	Strawberry tree	3" multi		9
54	<i>Pistacia chinensis</i>	Chinese Pistache	8.5		
55	<i>Pistacia chinensis</i>	Chinese Pistache	5		
56	<i>Pyrus calleryana</i>	Callery pear	3,2.5,1.5,2	4.5	4.5
57	<i>Pyrus calleryana</i>	Callery pear	7.5		
58	<i>Pyrus calleryana</i>	Callery pear	9		

59	<i>Pyrus calleryana</i>	Callery pear	7		
60	<i>Platanus x hispanica</i>	London plane	12		
61	<i>Platanus x hispanica</i>	London plane	11.5		
62	<i>Platanus x hispanica</i>	London plane	13		
63	<i>Pyrus calleryana</i>	Callery pear	9.5		
64	<i>Pyrus calleryana</i>	Callery pear	6.5		
65	<i>Pyrus communis</i>	Fruiting pear tree	4		
66	<i>Pyrus calleryana</i>	Callery pear	4.5		
67	<i>Pyrus calleryana</i>	Callery pear	4		
68	<i>Pyrus calleryana</i>	Callery pear	5.5		
69	<i>Pyrus calleryana</i>	Callery pear	3.5,4.5	5.5	5
70	<i>Lagerstroemia 'Tuscarora'</i>	Crape Myrtle	3,3.5,2	5	4.5
71	<i>Lagerstroemia 'Tuscarora'</i>	Crape Myrtle	6.5		
72	<i>Lagerstroemia 'Tuscarora'</i>	Crape Myrtle	5		
73	<i>Platanus x hispanica</i>	London plane	1" multi	3	4.5
74	<i>Platanus x hispanica</i>	London plane	7		
75	<i>Platanus x hispanica</i>	London plane	8		
76	<i>Washingtonia robusta</i>	Mexican fan palm	CT 20'		
77	<i>Pyrus calleryana</i>	Callery pear	5		
78	<i>Pyrus calleryana</i>	Callery pear	6		

79	<i>Pyrus calleryana</i>	Callery pear	5		
80	<i>Pyrus calleryana</i>	Callery pear	4.5		
81	<i>Pyrus calleryana</i>	Callery pear	5.5		
82	<i>Pyrus calleryana</i>	Callery pear	4		
83	<i>Platanus x hispanica</i>	London plane	7.5		
84	<i>Platanus x hispanica</i>	London plane	7		
85	<i>Platanus x hispanica</i>	London plane	7.5		
86	<i>Platanus x hispanica</i>	London plane	8.5		
87	<i>Pyrus calleryana</i>	Callery pear	2.5,2.5,2,1	4	5
88	<i>Pyrus calleryana</i>	Callery pear	8		
89	<i>Pyrus calleryana</i>	Callery pear	8.5		
90	<i>Afrocarpus falcatus</i>	African fern pine	2,2,1.5,1,2,1	4	5.5
91	<i>Pyrus calleryana</i>	Callery pear	3.5,3,3	5.5	5.5
92	<i>Pistacia chinensis</i>	Chinese Pistache	8		
93	<i>Pistacia chinensis</i>	Chinese Pistache	8		
94	<i>Pyrus calleryana</i>	Callery pear	5		
95	<i>Pyrus calleryana</i>	Callery pear	7		
96	<i>Pyrus calleryana</i>	Callery pear	6		

97	<i>Pyrus calleryana</i>	Callery pear	6.5		
98	<i>Pyrus calleryana</i>	Callery pear	5		
99	<i>Pistacia chinensis</i>	Chinese Pistache	7		
100	<i>Pistacia chinensis</i>	Chinese Pistache	4		
101	<i>Olea europaea</i>	Fruiting Olive	4" multi	8	16
102	<i>Washingtonia robusta</i>	Mexican fan palm	CT 10'		
103	<i>Pistacia chinensis</i>	Chinese Pistache			8
104	<i>Pistacia chinensis</i>	Chinese Pistache	5.5		
105	<i>Pistacia chinensis</i>	Chinese Pistache	8.5		
106	<i>Pistacia chinensis</i>	Chinese Pistache	6.5		
107	<i>Pistacia chinensis</i>	Chinese Pistache	8		
108	<i>Pistacia chinensis</i>	Chinese Pistache	3"multi	6	8
109	<i>Pistacia chinensis</i>	Chinese Pistache	6.5,4		9.5
110	<i>Pistacia chinensis</i>	Chinese Pistache	8.5		
111	<i>Pistacia chinensis</i>	Chinese Pistache	7.5		
112	<i>Pistacia chinensis</i>	Chinese Pistache	6.5		
113	<i>Pistacia chinensis</i>	Chinese Pistache	6		
114	<i>Pistacia chinensis</i>	Chinese Pistache	8		
115	<i>Pistacia chinensis</i>	Chinese Pistache	6.5		

116	<i>Pistacia chinensis</i>	Chinese Pistache	6		
117	<i>Pistacia chinensis</i>	Chinese Pistache	6		
118	<i>Fraxinus sp.</i>	Ash			21
119	<i>Pistacia chinensis</i>	Chinese Pistache	6		
120	<i>Pistacia chinensis</i>	Chinese Pistache	4.5		
121	<i>Fraxinus sp.</i>	Ash			19
122	<i>Ficus carica</i>	Ficus carica			36
123	<i>Pistacia chinensis</i>	Chinese Pistache	6.5		
124	<i>Olea europaea</i>	Fruiting Olive	3" multi	6	15
125	<i>Pistacia chinensis</i>	Chinese Pistache	7.5		
126	<i>Pistacia chinensis</i>	Chinese Pistache	6		
127	<i>Pistacia chinensis</i>	Chinese Pistache	8		
128	<i>Searsia lancea</i>	African sumac	3" multi		
129	<i>Searsia lancea</i>	African sumac	3" multi		
130	<i>Searsia lancea</i>	African sumac	6,5,3,2.5,2,2	9	
131	<i>Celtis australis</i>	European Hackberry	8.5		
132	<i>Quercus agrifolia</i>	Coast live oak	5,3,1.5,2	6	7
133	<i>Quercus agrifolia</i>	Coast live oak	3,2,1.5	4	4

argest stem was measured and amount of stems listen in "Notes"; For palms, height

nstruction access until designated by a Certified arborist. Some trees were not pro

it join. Such defects have a higher propensity for failure.
area. Trees with codominant primary scaffolding stems are inherently weaker than stems, which are of
igh and pruning to mitigate the defect is recommended.

hing structure with a higher risk for branch failure.

Spread	Health	Structure	Protected	Suitability	TPZ
15'	Good	Good	1	Good	7
15'	Good	Good		Good	5
10'	Good	Good		Good	4
10'	Good	Good		Good	4
10'	Good	Good		Good	4
25'	Good	Good	1	Good	8
20'	Fair	Fair	1	Good	7
25'	Good	Good	1	Good	8

10'	Fair good	Good		Good	4
30'	Fair good	Fair good	1	Good	13
35'	Fair good	Good	1	Good	11
35'	Good	Good	1	Good	13
15'	Good	Poor		Good	6
15'	Good	Good	1	Good	6
15'	Good	Fair good	1	Good	6
15'	Good	Fair good		Good	6
10'	Good	Good		Good	4
10'	Good	Good		Fair	4.5
5'	Good	Good	1	Good	10
5'	Good	Good	1	Good	10
5'	Good	Good	1	Good	6
5'	Good	Good	1	Good	10
5'	Good	Good	1	Good	11
5'	Good	Good	1	Good	11
5'	Good	Good	1	Good	8

5'	Good	Good	1	Good	12
5'	Good	Good	1	Good	13
5'	Good	Good	1	Good	14
5'	Good	Good	1	Good	13
5'	Good	Good	1	Good	12
5'	Good	Good	1	Good	10
5'	Good	Good	1	Good	12
5'	Good	Good		Good	9
15'	Good	Good		Good	5
10'	Good	Good		Good	4
10'	Poor	Poor		Poor	4
10'	Good	Good		Good	4
10'	Good	Fair		Good	4
5'	Fair	Good		Poor	4
5'	Good	Good	1	Good	9

5'	Good	Good	1	Good	10
5'	Good	Good	1	Good	8
5'	Good	Good	1	Good	9
5'	Good	Good	1	Good	8
10	Good	Good		Good	4
15	Good	Good		Good	5
10'	Good	Good		Good	6
20'	Fair	Poor	1	Fair	7
10'	Fair	Fair good		Fair	4
15'	Poor	Fair poor		Poor	5
15'	Fair	Poor		Poor	7
10'	Good	Poor		Poor	4
15'	Good	Poor	1	Good	9
20'	Good	Poor	1	Fair	9
20'	Good	Fair good		Good	5
10'	Fair	Fair		Fair	5
20'	Poor	Poor	1	Poor	8
25	Fair good	Poor	1	Fair	9

20'	Fair	Poor	1	Fair	7
35'	Fair good	Good	1	Good	12
30'	Fair good	Good	1	Good	12
35'	Fair good	Good	1	Good	13
25'	Fair	Poor	1	Poor	10
15'	Fair	Fair poor	1	Fair	7
10'	Fair good	Fair poor		Poor	4
15'	Fair good	Fair good		Fair	5
10'	Fair good	Fair good		Fair	4
15'	Fair	Fair good		Fair	6
10'	Fair good	Poor		Fair	6
10'	Good	Good		Good	5
15'	Good	Poor	1	Fair	7
10'	Good	Good		Good	5
15'	Good	Poor		Poor	5
20'	Fair	Good	1	Good	7
20'	Fair	Good	1	Good	8
15'	Good	Good	1	Fair	5
15'	Fair	Poor		Poor	5
15'	Fair	Poor	1	Fair poor	6

15'	Fair	Poor		Fair poor	5
10'	Fair poor	Poor		Fair poor	5
15'	Fair poor	Poor		Fair poor	6
10'	Fair	Poor		Fair poor	4
25'	Fair	Good	1	Fair poor	8
25'	Fair	Good	1	Fair poor	7
25'	Fair	Good	1	Fair poor	8
25'	Fair	Good	1	Fair poor	9
10'	Poor	Poor		Poor	4
25'	Fair good	Poor	1	Fair poor	8
20'	Fair good	Fair	1	Fair poor	9
10'	Fair poor	Fair poor		Fair poor	4
10'	Poor	Poor		Poor	6
30	Good	Fair	1	Good	8
30'	Good	Fair	1	Good	8
15'	Fair poor	Poor		Fair poor	5
15'	Fair poor	Poor	1	Fair poor	7
15'	Fair poor	Poor	1	Fair poor	6

15'	Fair poor	Poor	1	Fair poor	7
15'	Fair poor	Poor		Fair poor	5
20'	Good	Good	1	Good	7
10'	Good	Fair		Good	4
15'	Good	Poor	1	Fair	8
10'	Good	Good	1	Good	5
15'	Good	Poor	1	Poor	-
15'	Good	Fair		Good	6
20'	Good	Poor	1	Poor	9
20'	Good	Poor	1	Poor	7
25'	Good	Fair poor	1	Fair to good	8
20'	Good	Poor	1	Poor	6
20'	Good	Poor	1	Fair poor	7
20'	Good	Poor	1	Fair to good	9
20'	Good	Fair	1	Good	8
20'	Good	Fair	1	Good	7
20'	Good	Poor	1	Poor	6
20'	Good	Poor	1	Poor	8
20'	Good	Poor	1	Poor	7

20'	Good	Poor	1	Poor	6
	Good	Poor	1	Poor	6
15'	Good	Poor	1	Poor	-
20'	Good	Poor	1	Poor	6
15	Good	Fair poor		Fair poor	5
10'	Fair	Poor	1	Poor	-
20'	Fair	Poor	1	Poor	10
20'	Good	Good	1	Good	7
	Good	Fair	1	Fair to good	6
20'	Good	Poor	1	Fair poor	8
30'	Good	Poor	1	Poor	6
25'	Good	Poor	1	Poor	8
20'	Good	Poor	1	Poor	15
30'	Good	Poor	1	Poor	15
20'	Good	Poor	1	Poor	9
20'	Fair	Poor	1	Poor	9
15'	Good	Good	1	Good	6
10'	Good	Fair good		Fair to good	4

of clear trunk (CT) to first frond

vided TPZ due to poor retention

unequal diameter and size.

Notes
Codominant, Bark inclusion
Structural and clearance pruning at Street
Crossing fused branches, Slight lean
Structural and clearance pruning

Slight lean, Poor vertical branch spacing, Clearance pruning
Powdery mildew, Clearance pruning
Powdery mildew, Slight lean
Bark Inclusion
Poor vertical branch spacing, Contact with structure
Poor vertical branch spacing, Contact with structure
Contact with building, and undersized tree adjacent
Diameter taken at Base, in contact with building
Diameter taken at Base, in contact with building
Diameter taken at Base, in contact with building
Diameter taken at Base, in contact with building, branches falling away from canopy
Diameter taken at Base, in contact with building, branches falling away from canopy
Diameter taken at Base, in contact with building, branches falling away from canopy
Diameter taken at Base, in contact with building, branches falling away from canopy

Diameter taken at Base, in contact with building, branches falling away from canopy
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Diameter taken at Base, in contact with building, branches falling away from canopy
Diameter taken at Base, in contact with building, branches falling away from canopy
Diameter taken at Base, in contact with building, branches falling away from canopy
Diameter taken at Base, in contact with building, branches falling away from canopy
Diameter taken at Base, in contact with building
Basal wound, clearance pruning
Dysfunctional root system
Basal wound, clearance pruning
Slight lean, contact with building
Diameter taken at Base, in contact with building

Diameter taken at Base, in contact with building
Diameter taken at Base, in contact with building, branches falling away from canopy
Diameter taken at Base, in contact with building
Diameter taken at Base, in contact with building
Nursery stake to be removed
Multiple bark inclusions, fire blight
Slight lean, codominant
Significant dieback
Fire blight, root stock suckering
12 stems diameter at base
Bark Inclusion, branches in contact with ground, Diameter taken at base is used for Protected Status designation
Codominant Bark inclusion, structural pruning, crossing branches clearance from light pole
Structural pruning
Sparse foliage, poor vertical branch spacing
Multiple Bark inclusions significant tip die back
Fire blight , tip die back, surface roots, Bark Inclusion

Bark Inclusion, codominant, Tip Dieback
Powdery mildew, Anthracnose
Powdery mildew, Anthracnose
Powdery mildew, Anthracnose
Fire blight , tip die back, internal decay, Bark Inclusion
Fire blight, aphids, Tip Dieback
Fire blight, fruiting
Slight lean, fire blight, suckers
Fire blight, Suckers, tip dieback
Fire blight, Suckers, tip dieback
Clearance pruning, Slight lean , root suckers, tip dieback
Multiple bark inclusions, poor vertical branching
Volunteer, 10" stem, Powdery Mildew
Codominant, Powdery Mildew, pit scale
Powdery mildew
20' clear trunk, likely volunteer
Multiple bark inclusions, Fire blight, poor vertical spacing undersized fruiting pear adjacent not surveyed
Multiple bark inclusions, Fire blight, poor vertical spacing

Multiple bark inclusions, Fire blight, poor vertical spacing
Multiple bark inclusions, Fire blight, poor vertical spacing
Multiple bark inclusions, Fire blight, poor vertical spacing
Multiple bark inclusions, Fire blight, poor vertical spacing
Powdery mildew, Anthracnose
Powdery mildew, Anthracnose
Powdery mildew, Anthracnose
Powdery mildew, Anthracnose
One stem dead
Multiple bark inclusions, Fire blight, poor vertical spacing
Multiple bark inclusions, Fire blight, poor vertical spacing
3 stems sparse Foliage
Multiple bark inclusions, Fire blight, poor vertical spacing, significant decline
Poor vertical branch spacing, clearance pruning
Poor vertical branch spacing clearance pruning, seed bearing
Multiple bark inclusions, Fire blight, poor vertical spacing, significant decline
Multiple bark inclusions, Fire blight, poor vertical spacing, significant decline
Multiple bark inclusions, Fire blight, poor vertical spacing, significant decline

Multiple bark inclusions, Fire blight, poor vertical spacing, significant decline
Multiple bark inclusions, Fire blight, poor vertical spacing, significant decline
Codominant Bark inclusion-hidden among overgrown shrubs
Headed for clearance
4 main stems with smaller branches below 4.5', diameter taken at base
10' clear trunk
Tree has split apart below 4.5'
Tree clearance and pruning
Large branch failure
Bent over
Bark inclusion, structural pruning
Internal decay, 7 main stems
Multiple bark inclusions
Poor vertical branch spacing, Bark inclusion
Poor vertical branch spacing, headed for clearance
Lost leader
Major stem failure
Major stem failure
Major stem failure, poor vertical branch spacing, Bark inclusion

Major stem failure
Codominant Bark inclusion failure
Headed at 4'
Split in half
Bark inclusion, lost leader headed for clearance
Headed at 3'
3" multi 20 stems
Codominant
Fruiting 7 stems
Codominant Bark inclusion
Inundated with overgrown shrub
Major stem failure
20+ stems
20+ stems largest stem is 5
Clearance pruning, slight lean
Bark inclusion
Fire damage could benefit from structural pruning
At fence, damage from burn

	Species	Common Name	Total Amount	Protected Tree Amount	Overall Retention Suitability	Comments
1	<i>Arbutus unedo</i>	Strawberry Tree	1	1	Good	Located at the north east corner of the property. Doing well without care; Poor included bark branching structure but low likelihood of failure due to small size.
2	<i>Celtis australis</i>	European Hackberry	1	1	Poor	Appears drought stressed with a poor scaffold structure.
3	<i>Cupressus sempervirens</i>	Italian Cypress	19	19	Good	All are located adjacent to and in contact with the building; Most require pruning/sheering to control branches falling away from canopy. DBH measurements were not possible, all tree diameters were taken at the base, all trees are considered protected unless City determines otherwise.
4	<i>Ficus carica</i>	Fruiting Fig	1	1	Poor	Likely volunteer that came up from a seed; The tree has an excess of 20 stems.
5	<i>Fraxinus sp.</i>	Ash species	2	2	Poor	Both ash were headed at 3 and 4' for high voltage line clearance. Significant response growth suckering. We do not feel these qualify as protected due to the heading cuts and suckering
6	<i>Lagerstroemia 'Natchez'</i>	Crape Myrtle	1	0	Good	Likely planted as a mistake as all other Crape Myrtles are a different cultivar.
7	<i>Lagerstroemia 'Tuscarora'</i>	Crape Myrtle	19	4	Good	Thriving on neglect; Pink flowering cultivar.
8	<i>Lophostemon confertus</i>	Brisbane Box	3	0	Good-Poor	Fair-poor structures and not thriving where soil volume is limited.
9	<i>Olea europaea</i>	Fruiting Olive	2	2	Fair-Good	Likely volunteers and located in the overgrown southern tree line

10	<i>Pistacia chinensis</i>	Chinese Pistache	29	24	Good-Poor	Drought tolerant species; Clearance pruning is required for many; Many trees along southern property line suffered catastrophic main stem failures from lack of pruning care.
11	<i>Platanus x hispanica</i>	London Plane	15	14	Fair-Good	Specimens are performing better in locations with greater soil volume; If improved health and shade is desired for parking lot trees, soil volumes must be expanded.
12	<i>Afrocarpus falcatus</i>	African Fern Pine	3	0	Good-Poor	Two species are located amongst cypress; one is performing poorly in the parking lot
13	<i>Pyrus calleryana</i>	Callery pear	29	12	Fair-Poor	Trees are located in the parking lot. A few are large and healthy, but most are not thriving, possibly due to poor planting stock or inadequate soil volume. Fire blight disease and poor structures are common with this tree.
14	<i>Pyrus communis</i>	Fruiting pear tree	1		Poor	This fruiting pear is likely a mistake from the nursery. A few more undersized fruiting pears were noted in the parking lot.
15	<i>Quercus agrifolia</i>	Coast live oak	2	1	Good	Seedlings from adjacent trees along Auto Mall Parkway
16	<i>Searsia lancea</i>	African Sumac	3	3	Poor	Extremely problematic structures made up of multiple suckers. Recent heading cuts were observed, likely for clearance.
17	<i>Washingtonia robusta</i>	Mexican fan palm	2	2	Good	Likely volunteers; Smaller palms were noted and not included in the inventory.
Totals:			133	86		