

Appendix B

Arborist Report

*3625 Peterson Way Office Project
Environmental Impact Report*

City of Santa Clara



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Arboriculturists Since 1911

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July 21, 2017

June 27, 2018 Revised

Kier and Wright

Attention: **Mr. Ryan Amaya**

3350 Scott Boulevard #22

Santa Clara, CA 95054

RE: **3625 Peterson Way**
Santa Clara, CA

Assignment

As requested, I performed a visual inspection of 239 trees to determine species, size and condition and provide Tree Protection and Tree Preservation Guidelines.

Summary

At the time of inspection tree dispositions were not available. General Tree Preservation Guidelines are included. Plans indicate that 57 trees will remain on site and 182 trees will be removed. Figure 1 is a table that shows the trees to remain. The tree species and quantity are below. Tree Protection Zone defined as the distance 6 times the trunk diameter from the trunk/stem. Any grading or excavation within TPZ must be done by hand or air digging. Protection fencing will be installed as close to dripline as feasible.

Name	Species	#
Chinese hackberry	<i>Celtis sinensis</i>	41
American sweet gum	<i>Liquidambar styraciflua</i>	12
Carolina cherry	<i>Prunus caroliniana</i>	18
Chinese pistache	<i>Pistacia chinensis</i>	2
Coast redwood	<i>Sequoia sempervirens</i>	69
Crape myrtle	<i>Lagerstroemia indica</i>	6
Evergreen ash	<i>Fraxinus uhdei</i>	7
Flowering plum	<i>Prunus cerasifera</i>	59
Japanese maple	<i>Acer palmatum</i>	10
London plane	<i>Platanus x acerifolia</i>	6
Melaleuca	<i>Melaleuca quinquinervia</i>	2
Mexican fan palm	<i>Washingtonia robusta</i>	5
Peppermint gum	<i>Eucalyptus nicholii</i>	2

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Number	Name	Diameter	Condition	Remain
32	Coast redwood	28.8"	Fair to Good	X
33	Coast redwood	33.0"	Fair	X
34	Coast redwood	32.5"	Fair to Good	X
77	Coast redwood	37.0"	Fair	X
78	Coast redwood	35.3"	Fair	X
79	Coast redwood	36.4"	Fair	X
80	Coast redwood	37.1"	Fair	X
81	Coast redwood	33.1"	Fair	X
82	Coast redwood	36.9"	Fair	X
83	Coast redwood	36.2"	Fair	X
84	Coast redwood	34.4"	Fair	X
85	Chinese pistache	14.0"	Fair	X
86	Coast redwood	36.1"	Fair	X
87	Chinese pistache	11.7"	Fair	X
88	Coast redwood	37.1"	Fair	X
89	Coast redwood	38.5"	Fair	X
93	Coast redwood	38.1"	Fair	X
94	Coast redwood	35.1"	Fair	X
97	Coast redwood	38.3"	Fair	X
98	Coast redwood	38.5"	Fair	X
100	London plane tree	13.6"	Fair	X
101	Coast redwood	39.9"	Fair	X
104	Coast redwood	35.6"	Fair	X
195	American sweet gum	7.7"	Poor to Fair	X
196	American sweet gum	6.7"	Poor to Fair	X
197	American sweet gum	7.2"	Very Poor	X
198	American sweet gum	7.9"	Poor to Fair	X
199	American sweet gum	5.9"	Fair	X
200	American sweet gum	5.1"	Poor to Fair	X
201	American sweet gum	6.2"	Poor to Fair	X
202	American sweet gum	5.6"	Poor	X
203	American sweet gum	6.7"	Poor	X
204	American sweet gum	6.6"	Poor	X
205	American sweet gum	5.8"	Poor	X
206	American sweet gum	6.6"	Very Poor	X
207	Coast redwood	15.5"	Fair	X
208	Coast redwood	15.9"	Fair	X
209	Coast redwood	13.9"	Fair	X
210	Coast redwood	14.1"	Fair	X
211	Coast redwood	14.5"	Fair	X
212	Coast redwood	14.3"	Fair	X
213	Coast redwood	15.2"	Fair	X
214	Coast redwood	11.9"	Fair	X
215	Coast redwood	12.1"	Fair	X
216	Coast redwood	13.0"	Fair	X
217	Coast redwood	11.5"	Fair	X
218	Coast redwood	10.5"	Fair	X
219	Coast redwood	13.9"	Fair	X
220	Coast redwood	19.5"	Fair	X
221	Coast redwood	23.3"	Fair	X
222	Coast redwood	17.8"	Poor to Fair	X
223	Coast redwood	23.4"	Fair	X
226	Coast redwood	27.5"	Poor to Fair	X
227	Coast redwood	22.9"	Poor to Fair	X
228	Coast redwood	16.0"	Poor to Fair	X
229	Coast redwood	22.4"	Poor to Fair	X
231	Coast redwood	35.3"	Fair	X

Figure 1: Trees to remain

Methodology

No root crown exploration, climbing or plant tissue analysis was performed as part of this survey. For purposes of identification, trees have been tagged by Kier and Wright.

In determining Tree Condition several factors have been considered which include:

- Rate of growth over several seasons;
- Structural decays or weaknesses;
- Presence of disease or insects; and
- Life expectancy.

Tree Description/Observation

1 Chinese hackberry

Diameter: 7.2"

Height: 12' **Spread:** 18'

Condition: Poor to Fair

Location: On plan

Observation: Foliage is slightly sparse and stunted. Proposed for removal.

2 Chinese hackberry

Diameter: 6.8"

Height: 12' **Spread:** 18'

Condition: Poor to Fair

Location: On plan

Observation: Foliage is slightly sparse and stunted. Proposed for removal.

3 Chinese hackberry

Diameter: 11.8"

Height: 16' **Spread:** 24'

Condition: Fair

Location: On plan

Observation: Crown exhibits a minor accumulation of deadwood. Proposed for removal.

4 Flowering plum

Diameter: 5.2" Low Branching

Height: 12' **Spread:** 12'

Condition: Poor to Fair

Location: On plan

Observation: Foliage is slightly sparse and stunted. Proposed for removal.

5 Flowering plum

Diameter: 3.4"

Height: 10' **Spread:** 6'

Condition: Poor to Fair

Location: On plan

Observation: Foliage is slightly sparse and stunted. Proposed for removal.

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6 Flowering plum

Diameter: 3.5"

Height: 12' **Spread:** 8'

Condition: Poor to Fair

Location: On plan

Observation: Foliage is slightly sparse and stunted. Proposed for removal.

7 Chinese hackberry

Diameter: 7.7"

Height: 12' **Spread:** 18'

Condition: Poor to Fair

Location: On plan

Observation: Foliage is slightly chlorotic with some branch dieback. Proposed for removal.

8 Chinese hackberry

Diameter: 8.6"

Height: 15' **Spread:** 18'

Condition: Poor to Fair

Location: On plan

Observation: Foliage is slightly chlorotic with some branch dieback. Proposed for removal.

9 Chinese hackberry

Diameter: 8.5"

Height: 20' **Spread:** 24'

Condition: Poor

Location: On plan

Observation: Crown is chlorotic and lacks vigor. Proposed for removal.

10 Flowering plum

Diameter: 2.5"

Height: 12' **Spread:** 8'

Condition: Poor to Fair

Location: On plan

Observation: Gummosis on main stem. Proposed for removal.

11 Flowering plum

Diameter: 3.0"

Height: 10' **Spread:** 8'

Condition: Poor to Fair

Location: On plan

Observation: Gummosis on main stem. Proposed for removal.

12 Flowering plum

Diameter: 2.7"

Height: 11' **Spread:** 8'

Condition: Poor to Fair

Location: On plan

Observation: Foliage is slightly sparse and stunted. Proposed for removal.

13 Flowering plum

Diameter: 6.1" Low Branching

Height: 9' **Spread:** 12'

Condition: Poor to Fair

Location: On plan

Observation: Crown lacks vigor and exhibits branch dieback. Proposed for removal.

14 Flowering plum

Diameter: 6.0"

Height: 9' **Spread:** 8'

Condition: Poor to Fair

Location: On plan

Observation: Crown lacks vigor and exhibits branch dieback. Proposed for removal.

15 Chinese hackberry

Diameter: 9.8"

Height: 15' **Spread:** 16'

Condition: Poor

Location: On plan

Observation: Crown is chlorotic and lacks vigor. Proposed for removal.

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Page 4

16 Chinese hackberry

Diameter: 12.7"

Height: 15' **Spread:** 20'

Condition: Poor to Fair

Location: On plan

Observation: Crown lacks vigor and exhibits branch dieback. Proposed for removal.

17 Chinese hackberry

Diameter: 8.6"

Height: 12' **Spread:** 15'

Condition: Poor to Fair

Location: On plan

Observation: Crown lacks vigor and exhibits branch dieback. Proposed for removal.

18 Flowering plum

Diameter: 3.7"

Height: 12' **Spread:** 6'

Condition: Poor to Fair

Location: On plan

Observation: Foliage is slightly sparse and stunted. Proposed for removal.

19 Flowering plum

Diameter: 3.7"

Height: 12' **Spread:** 6'

Condition: Fair

Location: On plan

Observation: Grows to a slight lean. Proposed for removal.

20 Flowering plum

Diameter: 2.1"

Height: 10' **Spread:** 4'

Condition: Fair

Location: On plan

Observation: Gummosis on main stem. Proposed for removal.

21 Flowering plum

Diameter: 2.2"

Height: 10' **Spread:** 5'

Condition: Poor

Location: On plan

Observation: Crown lacks vigor and exhibits branch dieback. Proposed for removal.

22 Chinese hackberry

Diameter: 12.1"

Height: 16' **Spread:** 30'

Condition: Poor to Fair

Location: On plan

Observation: Crown lacks vigor and exhibits branch dieback. Proposed for removal.

23 Chinese hackberry

Diameter: 11.4"

Height: 16' **Spread:** 25'

Condition: Poor to Fair

Location: On plan

Observation: Crown lacks vigor and exhibits branch dieback. Proposed for removal.

24 Chinese hackberry

Diameter: 8.0"

Height: 15' **Spread:** 22'

Condition: Fair

Location: On plan

Observation: Foliage is chlorotic. Proposed for removal.

25 Chinese hackberry

Diameter: 4.3"

Height: 9' **Spread:** 10'

Condition: Fair

Location: On plan

Observation: Surface rooting observed. Proposed for removal.

26 Flowering plum

Diameter: 3.3"

Height: 12' **Spread:** 7'

Condition: Fair

Location: On plan

Observation: Gummosis on main stem. Proposed for removal.

27 Flowering plum

Diameter: 3.4"

Height: 12' **Spread:** 8'

Condition: Fair

Location: On plan

Observation: Young establishing tree. Proposed for removal.

28 Flowering plum

Diameter: 3.0"

Height: 10' **Spread:** 8'

Condition: Fair

Location: On plan

Observation: Young establishing tree. Proposed for removal.

29 Coast redwood

Diameter: 34.1"

Height: 55' **Spread:** 25'

Condition: Fair to Good

Location: On plan

Observation: Crown appears slightly water stressed. Some surface rooting observed. Proposed for removal.

30 Coast redwood

Diameter: 31.2"

Height: 45' **Spread:** 25'

Condition: Fair to Good

Location: On plan

Observation: Crown appears slightly water stressed. Some surface rooting observed. Proposed for removal.

31 Coast redwood

Diameter: 35.0"

Height: 60' **Spread:** 28'

Condition: Fair to Good

Location: On plan

Observation: Crown appears slightly water stressed. Some surface rooting observed. Proposed for removal.

32 Coast redwood

Diameter: 28.8"

Height: 55' **Spread:** 24'

Condition: Fair to Good

Location: On plan

Observation: Crown appears slightly water stressed. Some surface rooting observed. Tree remains.

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33 Coast redwood

Diameter: 33.0"

Height: 55' **Spread:** 20'

Condition: Fair

Location: On plan

Observation: Crown appears slightly water stressed. Some surface rooting observed. Tree remains.

34 Coast redwood

Diameter: 32.5"

Height: 55' **Spread:** 30'

Condition: Fair to Good

Location: On plan

Observation: Crown appears slightly water stressed. Some surface rooting observed. Tree remains.

35 Peppermint gum

Diameter: 19.0"

Height: 30' **Spread:** 30'

Condition: Fair

Location: On plan

Observation: Crown is slightly sparse and exhibits below average vigor. Proposed for removal.

36 Peppermint gum

Diameter: 35.4"

Height: 65' **Spread:** 45'

Condition: Poor

Location: On plan

Observation: Crown exhibits significant dieback. Proposed for removal.

37 Flowering plum

Diameter: 4.4"

Height: 12' **Spread:** 12'

Condition: Fair

Location: On plan

Observation: Grows to a slight lean. Proposed for removal.

38 Flowering plum

Diameter: 3.9"

Height: 12' **Spread:** 8'

Condition: Fair

Location: On plan

Observation: Grows to a slight lean. Proposed for removal.

39 Flowering plum

Diameter: 3.7"

Height: 12' **Spread:** 7'

Condition: Poor to Fair

Location: On plan

Observation: Grows to a slight lean. Proposed for removal.

40 Flowering plum

Diameter: 3.6"

Height: 12' **Spread:** 6'

Condition: Poor to Fair

Location: On plan

Observation: One sided canopy. Proposed for removal.

41 Chinese hackberry

Diameter: 12.6"

Height: 18' **Spread:** 30'

Condition: Fair

Location: On plan

Observation: Low foliage over parking lot. Slightly chlorotic. Proposed for removal.

42 Chinese hackberry

Diameter: 7.2"

Height: 12' **Spread:** 16'

Condition: Poor

Location: On plan

Observation: Foliage is chlorotic. Branch dieback observed. Proposed for removal.

43 Chinese hackberry

Diameter: 10.9"

Height: 20' **Spread:** 30'

Condition: Fair

Location: On plan

Observation: Foliage is slightly chlorotic with some branch dieback. Proposed for removal.

44 Chinese hackberry

Diameter: 11.0"

Height: 20' **Spread:** 24'

Condition: Poor to Fair

Location: On plan

Observation: Foliage is slightly chlorotic with some branch dieback. Proposed for removal.

45 Flowering plum

Diameter: 3.8"

Height: 13' **Spread:** 15'

Condition: Fair

Location: On plan

Observation: Young establishing tree. Proposed for removal.

46 Flowering plum

Diameter: 1.5"

Height: 8' **Spread:** 3'

Condition: Poor to Fair

Location: On plan

Observation: Young establishing tree. Proposed for removal.

47 Flowering plum

Diameter: 1.4"

Height: 8' **Spread:** 4'

Condition: Fair

Location: On plan

Observation: Poorly rooted and being held up by stakes. Proposed for removal.

48 Flowering plum

Diameter: 2.6"

Height: 12' **Spread:** 6'

Condition: Poor to Fair

Location: On plan

Observation: Gummosis on main stem. Proposed for removal.

49 Flowering plum

Diameter: 2.9"

Height: 12' **Spread:** 6'

Condition: Poor to Fair

Location: On plan

Observation: Grows to a slight lean. Proposed for removal.

50 Flowering plum

Diameter: 3.2"

Height: 13' **Spread:** 7'

Condition: Fair

Location: On plan

Observation: Young establishing tree. Proposed for removal.

51 Flowering plum

Diameter: 3.0"

Height: 12' **Spread:** 6'

Condition: Fair

Location: On plan

Observation: Young establishing tree. Proposed for removal.

52 Chinese hackberry

Diameter: 10.5"

Height: 18' **Spread:** 24'

Condition: Poor

Location: On plan

Observation: Crown lacks vigor and exhibits branch dieback. Proposed for removal.

53 Chinese hackberry

Diameter: 10.5"

Height: 18' **Spread:** 24'

Condition: Fair

Location: On plan

Observation: Crown appears slightly water stressed. Some surface rooting observed. Proposed for removal.

54 Chinese hackberry

Diameter: 9.6"

Height: 20' **Spread:** 28'

Condition: Fair

Location: On plan

Observation: Crown appears slightly water stressed. Some surface rooting observed. Proposed for removal.

55 Flowering plum

Diameter: 10.9" Low Branching

Height: 12' **Spread:** 10'

Condition: Poor to Fair

Location: On plan

Observation: Fruiting body from wood decay observed. Branch dieback observed. Proposed for removal.

56 Flowering plum

Diameter: 9.6"

Height: 13' **Spread:** 12'

Condition: Poor

Location: On plan

Observation: Low vigor and branch dieback. Proposed for removal.

57 Chinese hackberry

Diameter: 11.9"

Height: 16' **Spread:** 26'

Condition: Fair

Location: On plan

Observation: Grows to a slight lean. Proposed for removal.

58 Chinese hackberry

Diameter: 11.3"

Height: 18' **Spread:** 30'

Condition: Poor to Fair

Location: On plan

Observation: Foliage is slightly chlorotic with some branch dieback. Proposed for removal.

59 Chinese hackberry

Diameter: 9.5"

Height: 14' **Spread:** 22'

Condition: Poor

Location: On plan

Observation: Significant branch dieback. Proposed for removal.

60 Chinese hackberry

Diameter: 9.2"

Height: 16' **Spread:** 24'

Condition: Fair

Location: On plan

Observation: Foliage is slightly chlorotic with some branch dieback. Proposed for removal.

61 Flowering plum

Diameter: 3.1"

Height: 13' **Spread:** 8'

Condition: Fair

Location: On plan

Observation: Young establishing tree. Proposed for removal.

62 Flowering plum

Diameter: 2.8"

Height: 12' **Spread:** 6'

Condition: Fair

Location: On plan

Observation: Grows to a slight lean. Proposed for removal.

63 Flowering plum

Diameter: 2.8"

Height: 12' **Spread:** 6'

Condition: Poor to Fair

Location: On plan

Observation: Grows to a slight lean. Proposed for removal.

64 Flowering plum

Diameter: 3.0"

Height: 12' **Spread:** 9'

Condition: Poor to Fair

Location: On plan

Observation: Young establishing tree. Proposed for removal.

65 Flowering plum

Diameter: 2.3"

Height: 12' **Spread:** 7'

Condition: Fair

Location: On plan

Observation: Young establishing tree. Proposed for removal.

66 Flowering plum

Diameter: 2.8"

Height: 12' **Spread:** 6'

Condition: Fair

Location: On plan

Observation: Young establishing tree. Proposed for removal.

67 Flowering plum

Diameter: 4.5"

Height: 14' **Spread:** 16'

Condition: Fair

Location: On plan

Observation: Young establishing tree. Proposed for removal.

68 Flowering plum

Diameter: 2.1"

Height: 10' **Spread:** 4'

Condition: Fair

Location: On plan

Observation: Young establishing tree. Proposed for removal.

69 Flowering plum

Diameter: 2.1"

Height: 9' **Spread:** 4'

Condition: Fair

Location: On plan

Observation: Young establishing tree. Proposed for removal.

70 Chinese hackberry

Diameter: 11.7"

Height: 16' **Spread:** 24'

Condition: Poor to Fair

Location: On plan

Observation: Foliage is chlorotic. Branch dieback observed. Proposed for removal.

71 Chinese hackberry

Diameter: 12.5"

Height: 18' **Spread:** 20'

Condition: Poor to Fair

Location: On plan

Observation: Foliage is slightly chlorotic with some branch dieback. Proposed for removal.

72 Chinese hackberry

Diameter: 10.2"

Height: 18' **Spread:** 25'

Condition: Poor

Location: On plan

Observation: Foliage is chlorotic. Poor vigor and dieback. Proposed for removal.

73 Chinese hackberry

Diameter: 13.2"

Height: 22' **Spread:** 28'

Condition: Poor

Location: On plan

Observation: Foliage is chlorotic. Poor vigor and branch dieback. Proposed for removal.

74 Flowering plum

Diameter: 3.0"

Height: 12' **Spread:** 10'

Condition: Fair

Location: On plan

Observation: Young establishing tree. Proposed for removal.

75 Flowering plum

Diameter: 4.3"

Height: 12' **Spread:** 10'

Condition: Fair

Location: On plan

Observation: Grows to a slight lean. Proposed for removal.

76 Flowering plum

Diameter: 11.8"

Height: 12' **Spread:** 16'

Condition: Very Poor

Location: On plan

Observation: Dieback of crown. Extensive trunk decay. Proposed for removal.

77 Coast redwood

Diameter: 37.0"

Height: 75' **Spread:** 30'

Condition: Fair

Location: On plan

Observation: Raised planter at sidewalk creates an insufficient root environment. Tree remains.

78 Coast redwood

Diameter: 35.3"

Height: 70' **Spread:** 27'

Condition: Fair

Location: On plan

Observation: Raised planter at sidewalk creates an insufficient root environment. Tree remains.

79 Coast redwood

Diameter: 36.4"

Height: 75' **Spread:** 30'

Condition: Fair

Location: On plan

Observation: Insufficient root environment. Tree remains.

80 Coast redwood

Diameter: 37.1"

Height: 75' **Spread:** 27'

Condition: Fair

Location: On plan

Observation: Raised planter at sidewalk creates an insufficient root environment. Water stressed. Tree remains.

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81 Coast redwood

Diameter: 33.1"

Height: 70' **Spread:** 25'

Condition: Fair

Location: On plan

Observation: Raised planter at sidewalk creates an insufficient root environment. Water stressed. Tree remains.

82 Coast redwood

Diameter: 36.9"

Height: 76' **Spread:** 30'

Condition: Fair

Location: On plan

Observation: Raised planter at sidewalk creates an insufficient root environment. Water stressed. Tree remains.

83 Coast redwood

Diameter: 36.2"

Height: 80' **Spread:** 30'

Condition: Fair

Location: On plan

Observation: Existing sidewalk and parking lot create a poor root environment. Proposed for removal.

84 Coast redwood

Diameter: 34.4"

Height: 70' **Spread:** 26'

Condition: Fair

Location: On plan

Observation: Existing sidewalk and parking lot create a poor root environment. Tree remains.

85 Chinese pistache

Diameter: 14.0"

Height: 20' **Spread:** 24'

Condition: Fair

Location: Street tree

Observation: Grows to phototropic lean over street. Surface rooting observed. Tree remains.

86 Coast redwood

Diameter: 36.1"

Height: 70' **Spread:** 30'

Condition: Fair

Location: On plan

Observation: Existing sidewalk and parking lot create a poor root environment. Tree remains.

87 Chinese pistache

Diameter: 11.7"

Height: 20' **Spread:** 24'

Condition: Fair

Location: On plan

Observation: Grows to phototropic lean over street. Surface rooting observed. Tree remains.

88 Coast redwood

Diameter: 37.1"

Height: 70' **Spread:** 25'

Condition: Fair

Location: On plan

Observation: Existing sidewalk and parking lot create a poor root environment. Tree remains.

89 Coast redwood

Diameter: 38.5"

Height: 65' **Spread:** 30'

Condition: Fair

Location: On plan

Observation: Raised planter at sidewalk creates an insufficient root environment. Water stressed. Tree remains.

90 Crape myrtle

Diameter: 4.5"

Height: 13' **Spread:** 7'

Condition: Fair to Good

Location: On plan

Observation: Young establishing tree. Proposed for removal.

91 Crape myrtle

Diameter: 4.6"

Height: 12' **Spread:** 10'

Condition: Fair to Good

Location: On plan

Observation: Young establishing tree. Proposed for removal.

92 Crape myrtle

Diameter: 3.6"

Height: 11' **Spread:** 10'

Condition: Fair to Good

Location: On plan

Observation: Young establishing tree. Proposed for removal.

93 Coast redwood

Diameter: 38.1"

Height: 75' **Spread:** 28'

Condition: Fair

Location: On plan

Observation: Raised planter at sidewalk creates an insufficient root environment. Water stressed. Tree remains.

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94 Coast redwood

Diameter: 35.1"

Height: 70' **Spread:** 28'

Condition: Fair

Location: On plan

Observation: Raised planter at sidewalk creates an insufficient root environment. Water stressed. Tree remains.

95 Flowering plum

Diameter: 10.5" Low Branching

Height: 15' **Spread:** 20'

Condition: Poor to Fair

Location: On plan

Observation: Below average vigor. Proposed for removal.

96 Flowering plum

Diameter: 4.1"

Height: 13' **Spread:** 9'

Condition: Poor to Fair

Location: On plan

Observation: Below average vigor. Proposed for removal.

97 Coast redwood

Diameter: 38.3"

Height: 70' **Spread:** 28'

Condition: Fair

Location: On plan

Observation: Raised planter at sidewalk creates an insufficient root environment. Water stressed. Tree remains.

98 Coast redwood

Diameter: 38.5"

Height: 70' **Spread:** 30'

Condition: Fair

Location: On plan

Observation: Existing sidewalk and parking lot create a poor root environment. Tree remains.

99 London plane tree

Diameter: 11.8"

Height: 25' **Spread:** 36'

Condition: Fair

Location: On plan

Observation: Large surface roots observed. Proposed for removal.

100 London plane tree

Diameter: 13.6"

Height: 35' **Spread:** 40'

Condition: Fair

Location: On plan

Observation: Large surface roots observed. Tree remains.

101 Coast redwood

Diameter: 39.9"

Height: 75' **Spread:** 30'

Condition: Fair

Location: On plan

Observation: Raised planter at sidewalk creates an insufficient root environment. Tree remains.

102 Flowering plum

Diameter: 4.5"

Height: 15' **Spread:** 12'

Condition: Fair

Location: On plan

Observation: Young establishing tree. Proposed for removal.

103 Flowering plum

Diameter: 5.3"

Height: 13' **Spread:** 12'

Condition: Fair

Location: On plan

Observation: Young establishing tree. Proposed for removal.

104 Coast redwood

Diameter: 35.6"

Height: 75' **Spread:** 30'

Condition: Fair

Location: On plan

Observation: Existing sidewalk and parking lot create a poor root environment. Tree remains.

105 Flowering plum

Diameter: 5.3"

Height: 16' **Spread:** 15'

Condition: Fair

Location: On plan

Observation: Crown is one sided with a moderate accumulation of water sprouts. Proposed for removal.

106 Flowering plum

Diameter: 4.9"

Height: 14' **Spread:** 14'

Condition: Fair

Location: On plan

Observation: Crown exhibits a moderate accumulation of water sprouts. Proposed for removal.

107 Chinese hackberry

Diameter: 11.1"

Height: 20' **Spread:** 30'

Condition: Poor to Fair

Location: On plan

Observation: Crown exhibits dieback. Proposed for removal.

108 Chinese hackberry

Diameter: 8.5"

Height: 18' **Spread:** 18'

Condition: Fair to Good

Location: On plan

Observation: Normal vigor. Circling root observed. Proposed for removal.

109 Flowering plum

Diameter: 5.4"

Height: 12' **Spread:** 12'

Condition: Fair

Location: On plan

Observation: Crown exhibits a moderate accumulation of water sprouts. Proposed for removal.

110 Chinese hackberry

Diameter: 10.7"

Height: 20' **Spread:** 26'

Condition: Fair

Location: On plan

Observation: Normal vigor. Proposed for removal.

111 Chinese hackberry

Diameter: 7.6"

Height: 18' **Spread:** 18'

Condition: Poor to Fair

Location: On plan

Observation: Minor dieback. Proposed for removal.

112 Chinese hackberry

Diameter: 14.8"

Height: 20' **Spread:** 28'

Condition: Poor to Fair

Location: On plan

Observation: Low vigor with some branch dieback. Proposed for removal.

113 Chinese hackberry

Diameter: 8.5"

Height: 16' **Spread:** 30'

Condition: Poor to Fair

Location: On plan

Observation: Below average vigor. Chlorotic. Proposed for removal.

114 London plane tree

Diameter: 8.2"

Height: 24' **Spread:** 28'

Condition: Fair

Location: On plan

Observation: Crown is thin. Proposed for removal.

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Attention: Mr. Ryan Amaya

115 London plane tree

Diameter: 8.6"

Height: 24' **Spread:** 24'

Condition: Fair

Location: On plan

Observation: Crown is thin. Proposed for removal.

116 London plane tree

Diameter: 8.4"

Height: 20' **Spread:** 28'

Condition: Fair

Location: On plan

Observation: Crown is thin. Proposed for removal.

117 London plane tree

Diameter: 8.8"

Height: 24' **Spread:** 26'

Condition: Poor to Fair

Location: On plan

Observation: Crown is thin. Proposed for removal.

118 Chinese hackberry

Diameter: 9.2"

Height: 18' **Spread:** 26'

Condition: Poor to Fair

Location: On plan

Observation: Foliage is chlorotic. Proposed for removal.

119 Chinese hackberry

Diameter: 8.3"

Height: 15' **Spread:** 24'

Condition: Poor to Fair

Location: On plan

Observation: Foliage is chlorotic. Branch dieback observed. Proposed for removal.

120 Chinese hackberry

Diameter: 11.5"

Height: 22' **Spread:** 26'

Condition: Poor to Fair

Location: On plan

Observation: Foliage is chlorotic. Proposed for removal.

121 Chinese hackberry

Diameter: 8.0"

Height: 20' **Spread:** 22'

Condition: Poor to Fair

Location: On plan

Observation: Foliage is chlorotic. Branch dieback observed. Proposed for removal.

122 Chinese hackberry

Diameter: 15.6"

Height: 25' **Spread:** 30'

Condition: Fair

Location: On plan

Observation: Foliage is chlorotic. Proposed for removal.

123 Flowering plum

Diameter: 2.6"

Height: 12' **Spread:** 9'

Condition: Poor to Fair

Location: On plan

Observation: Young establishing tree. Proposed for removal.

124 Flowering plum

Diameter: 10.6"

Height: 12' **Spread:** 18'

Condition: Poor

Location: On plan

Observation: Crown exhibits dieback. Gummosis observed. Proposed for removal.

125 Chinese hackberry

Diameter: 12.0"

Height: 22' **Spread:** 28'

Condition: Poor

Location: On plan

Observation: Crown exhibits dieback. Proposed for removal.

126 Chinese hackberry

Diameter: 13.0"

Height: 20' **Spread:** 27'

Condition: Fair

Location: On plan

Observation: Foliage is chlorotic. Proposed for removal.

127 Flowering plum

Diameter: 10.5"

Height: 14' **Spread:** 15'

Condition: Poor

Location: On plan

Observation: Crown exhibits dieback. Proposed for removal.

128 Flowering plum

Diameter: 3.4"

Height: 12' **Spread:** 10'

Condition: Fair

Location: On plan

Observation: Young establishing tree. Proposed for removal.

Kier & Wright Civil Engineers & Surveyors, Inc.

Attention: Mr. Ryan Amaya

129 Flowering plum

Diameter: 8.0" Low Branching

Height: 14' **Spread:** 16'

Condition: Poor

Location: On plan

Observation: Foliage is chlorotic. Branch dieback observed. Proposed for removal.

130 Flowering plum

Diameter: 3.0"

Height: 12' **Spread:** 9'

Condition: Fair

Location: On plan

Observation: Young establishing tree. Proposed for removal.

131 Flowering plum

Diameter: 9.3" Low Branching

Height: 16' **Spread:** 20'

Condition: Poor

Location: On plan

Observation: Crown exhibits dieback. Proposed for removal.

132 Crape myrtle

Diameter: 9.4" at base Low Branching

Height: 18' **Spread:** 16'

Condition: Fair to Good

Location: On plan

Observation: Young establishing tree. Proposed for removal.

133 Crape myrtle

Diameter: 7.5" at base Low Branching

Height: 18' **Spread:** 15'

Condition: Fair to Good

Location: On plan

Observation: Young establishing tree. Proposed for removal.

134 Crape myrtle

Diameter: 9.2" at base Multi trunk

Height: 18' **Spread:** 15'

Condition: Fair to Good

Location: On plan

Observation: Young establishing tree. Proposed for removal.

135 Coast redwood

Diameter: 22.7"

Height: 55' **Spread:** 18'

Condition: Fair

Location: On plan

Observation: Planter area next to building creates a limited root environment. Water stressed. Proposed for removal.

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Attention: Mr. Ryan Amaya

136 Coast redwood

Diameter: 18.2"

Height: 55' **Spread:** 18'

Condition: Poor

Location: On plan

Observation: Planter area next to building creates a limited root environment. Water stressed.
Proposed for removal.

137 Coast redwood

Diameter: 16.8"

Height: 45' **Spread:** 18'

Condition: Poor to Fair

Location: On plan

Observation: Planter area next to building creates a limited root environment. Water stressed.
Proposed for removal.

138 Coast redwood

Diameter: 20.3"

Height: 52' **Spread:** 20'

Condition: Fair

Location: On plan

Observation: Planter area next to building creates a limited root environment. Water stressed.
Proposed for removal.

139 Coast redwood

Diameter: 23.4"

Height: 56' **Spread:** 22'

Condition: Fair

Location: On plan

Observation: Planter area next to building creates a limited root environment. Water stressed.
Proposed for removal.

140 Coast redwood

Diameter: 23.7"

Height: 56' **Spread:** 25'

Condition: Fair

Location: On plan

Observation: Planter area next to building creates a limited root environment. Water stressed.
Proposed for removal.

141 Coast redwood

Diameter: 22.2"

Height: 55' **Spread:** 20'

Condition: Poor to Fair

Location: On plan

Observation: Planter area next to building creates a limited root environment. Water stressed.
Proposed for removal.

142 Mexican fan palm

Diameter: 20.5"

Height: 45' **Spread:** 12'

Condition: Fair

Location: On plan

Observation: Fronds overlap with adjacent palms. Proposed for removal.

143 Mexican fan palm

Diameter: 20.8"

Height: 40' **Spread:** 12'

Condition: Fair

Location: On plan

Observation: Fronds overlap with adjacent palms. Proposed for removal.

144 Mexican fan palm

Diameter: 28.2"

Height: 50' **Spread:** 12'

Condition: Fair

Location: On plan

Observation: Fronds overlap with adjacent palms. Proposed for removal.

145 Mexican fan palm

Diameter: 20.6"

Height: 40' **Spread:** 12'

Condition: Fair

Location: On plan

Observation: Fronds overlap with adjacent palms. Proposed for removal.

146 Coast redwood

Diameter: 28.3"

Height: 55' **Spread:** 30'

Condition: Fair to Good

Location: On plan

Observation: Planter area next to building creates a limited root environment. Water stressed. Proposed for removal.

147 Coast redwood

Diameter: 32.7"

Height: 55' **Spread:** 28'

Condition: Fair

Location: On plan

Observation: Planter area next to building creates a limited root environment. Water stressed. Proposed for removal.

148 Mexican fan palm

Diameter: 21.4"

Height: 45' **Spread:** 12'

Condition: Fair

Location: On plan

Observation: Slight lean away from larger redwood. Proposed for removal.

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Attention: Mr. Ryan Amaya

149 Coast redwood

Diameter: 33.5"

Height: 70' **Spread:** 34'

Condition: Fair

Location: On plan

Observation: Planter area next to building creates a limited root environment. Water stressed. Proposed for removal.

150 Flowering plum

Diameter: 10.9"

Height: 20' **Spread:** 20'

Condition: Poor

Location: On plan

Observation: Crown exhibits dieback. Proposed for removal.

151 Coast redwood

Diameter: 40.0"

Height: 75' **Spread:** 34'

Condition: Fair to Good

Location: On plan

Observation: Limited root environment. Proposed for removal.

152 Coast redwood

Diameter: 38.6"

Height: 75' **Spread:** 34'

Condition: Fair

Location: On plan

Observation: Limited root environment. Proposed for removal.

153 Coast redwood

Diameter: 37.4"

Height: 65' **Spread:** 32'

Condition: Fair

Location: On plan

Observation: Limited root environment. Proposed for removal.

154 Coast redwood

Diameter: 38.0"

Height: 65' **Spread:** 30'

Condition: Fair

Location: On plan

Observation: Limited root environment. Proposed for removal.

155 Japanese maple

Diameter: 5.8"

Height: 14' **Spread:** 15'

Condition: Fair

Location: On plan

Observation: Interior deadwood. Proposed for removal.

156 Melaleuca

Diameter: 10.5"

Height: 16' **Spread:** 12'

Condition: Fair to Good

Location: On plan

Observation: Young establishing tree. Proposed for removal.

157 Melaleuca

Diameter: 10.2"

Height: 16' **Spread:** 12'

Condition: Fair to Good

Location: On plan

Observation: Young establishing tree. Proposed for removal.

158 Japanese maple

Diameter: 5.6"

Height: 10' **Spread:** 12'

Condition: Fair

Location: On plan

Observation: Interior deadwood. Proposed for removal.

159 Coast redwood

Diameter: 37.5"

Height: 60' **Spread:** 28'

Condition: Poor to Fair

Location: On plan

Observation: Environmental stress. Proposed for removal.

160 Coast redwood

Diameter: 36.2"

Height: 60' **Spread:** 30'

Condition: Poor to Fair

Location: On plan

Observation: Limited root environment. Drought stressed. Proposed for removal.

161 Coast redwood

Diameter: 39.2"

Height: 55' **Spread:** 30'

Condition: Poor to Fair

Location: On plan

Observation: Limited root environment. Drought stressed. Proposed for removal.

162 Coast redwood

Diameter: 23.2"

Height: 60' **Spread:** 28'

Condition: Fair

Location: On plan

Observation: Planter area next to building creates a limited root environment. Water stressed. Proposed for removal.

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Attention: Mr. Ryan Amaya

163 Coast redwood

Diameter: 12.5"

Height: 50' **Spread:** 28'

Condition: Poor to Fair

Location: On plan

Observation: Planter area next to building creates a limited root environment. Water stressed. Proposed for removal.

164 Coast redwood

Diameter: 25.2"

Height: 55' **Spread:** 24'

Condition: Poor

Location: On plan

Observation: Planter area next to building creates a limited root environment. Water stressed. Proposed for removal.

165 Japanese maple

Diameter: 2.8" Low Branching

Height: 5' **Spread:** 6'

Condition: Poor

Location: On plan

Observation: Top dieback. Proposed for removal.

166 Japanese maple

Diameter: 3.1" Low Branching

Height: 6' **Spread:** 5'

Condition: Poor

Location: On plan

Observation: Poor vigor. Proposed for removal.

167 Japanese maple

Diameter: 3.5" Low Branching

Height: 6' **Spread:** 9'

Condition: Poor to Fair

Location: On plan

Observation: Foliage is chlorotic. Proposed for removal.

168 Japanese maple

Diameter: 2.9" Low Branching

Height: 8' **Spread:** 6'

Condition: Poor

Location: On plan

Observation: Branch dieback. Proposed for removal.

169 Japanese maple

Diameter: 2.5" Low Branching

Height: 6' **Spread:** 5'

Condition: Poor

Location: On plan

Observation: Branch dieback. Proposed for removal.

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Attention: Mr. Ryan Amaya

170 Japanese maple

Diameter: 2.4" Low Branching

Height: 7' **Spread:** 5'

Condition: Poor

Location: On plan

Observation: Branch dieback. Proposed for removal.

171 Japanese maple

Diameter: 2.4" Low Branching

Height: 5' **Spread:** 3'

Condition: Poor

Location: On plan

Observation: Branch dieback. Proposed for removal.

172 Japanese maple

Diameter: 2.7" Low Branching

Height: 5' **Spread:** 3'

Condition: Poor

Location: On plan

Observation: Branch dieback. Proposed for removal.

173 Coast redwood

Diameter: 26.6"

Height: 60' **Spread:** 26'

Condition: Fair

Location: On plan

Observation: Planter area next to building creates a limited root environment. Water stressed. Proposed for removal.

174 Coast redwood

Diameter: 25.3"

Height: 60' **Spread:** 24'

Condition: Fair

Location: On plan

Observation: Planter area next to building creates a limited root environment. Water stressed. Proposed for removal.

175 Coast redwood

Diameter: 20.4"

Height: 50' **Spread:** 22'

Condition: Fair

Location: On plan

Observation: Planter area next to building creates a limited root environment. Water stressed. Proposed for removal.

176 Coast redwood

Diameter: 17.6"

Height: 45' **Spread:** 20'

Condition: Poor to Fair

Location: On plan

Observation: Planter area next to building creates a limited root environment. Water stressed. Proposed for removal.

177 Carolina cherry

Diameter: 2.6"

Height: 8' **Spread:** 4'

Condition: Fair

Location: On plan

Observation: Newly installed shrub for hedge. Proposed for removal.

178 Carolina cherry

Diameter: 1.5"

Height: 7' **Spread:** 3'

Condition: Fair

Location: On plan

Observation: Newly installed shrub for hedge. Proposed for removal.

179 Carolina cherry

Diameter: 1.6"

Height: 6' **Spread:** 3'

Condition: Fair

Location: On plan

Observation: Newly installed shrub for hedge. Proposed for removal.

180 Carolina cherry

Diameter: 1.9"

Height: 7' **Spread:** 3'

Condition: Fair

Location: On plan

Observation: Newly installed shrub for hedge. Proposed for removal.

181 Carolina cherry

Diameter: 2.4"

Height: 8' **Spread:** 5'

Condition: Fair

Location: On plan

Observation: Newly installed shrub for hedge. Proposed for removal.

182 Carolina cherry

Diameter: 2.1"

Height: 8' **Spread:** 5'

Condition: Fair

Location: On plan

Observation: Newly installed shrub for hedge. Proposed for removal.

183 Carolina cherry

Diameter: 2.6"

Height: 8' **Spread:** 4'

Condition: Fair

Location: On plan

Observation: Newly installed shrub for hedge. Proposed for removal.

184 Carolina cherry

Diameter: 1.5"

Height: 7' **Spread:** 4'

Condition: Fair

Location: On plan

Observation: Newly installed shrub for hedge. Proposed for removal.

185 Carolina cherry

Diameter: 1.4"

Height: 7' **Spread:** 4'

Condition: Fair

Location: On plan

Observation: Newly installed shrub for hedge. Proposed for removal.

186 Carolina cherry

Diameter: 2.1"

Height: 9' **Spread:** 4'

Condition: Fair

Location: On plan

Observation: Newly installed shrub for hedge. Proposed for removal.

187 Carolina cherry

Diameter: 2.6"

Height: 9' **Spread:** 5'

Condition: Fair

Location: On plan

Observation: Newly installed shrub for hedge. Proposed for removal.

188 Carolina cherry

Diameter: 2"

Height: 8' **Spread:** 4'

Condition: Fair

Location: On plan

Observation: Newly installed shrub for hedge. Proposed for removal.

189 Carolina cherry

Diameter: 1.9"

Height: 8' **Spread:** 4'

Condition: Fair

Location: On plan

Observation: Newly installed shrub for hedge. Proposed for removal.

190 Carolina cherry

Diameter: 2.2"

Height: 9' **Spread:** 5'

Condition: Fair

Location: On plan

Observation: Newly installed shrub for hedge. Proposed for removal.

191 Carolina cherry

Diameter: 1.8"

Height: 7' **Spread:** 5'

Condition: Fair

Location: On plan

Observation: Newly installed shrub for hedge. Proposed for removal.

192 Carolina cherry

Diameter: 1.5"

Height: 6' **Spread:** 4'

Condition: Fair

Location: On plan

Observation: Newly installed shrub for hedge. Proposed for removal.

193 Carolina cherry

Diameter: 2"

Height: 7' **Spread:** 4'

Condition: Fair

Location: On plan

Observation: Newly installed shrub for hedge. Proposed for removal.

194 Carolina cherry

Diameter: 2"

Height: 7' **Spread:** 4'

Condition: Fair

Location: On plan

Observation: Newly installed shrub for hedge. Proposed for removal.

195 American sweet gum

Diameter: 7.7"

Height: 16' **Spread:** 15'

Condition: Poor to Fair

Location: On plan

Observation: Foliage is chlorotic with minor branch dieback. Tree remains.

196 American sweet gum

Diameter: 6.7"

Height: 18' **Spread:** 14'

Condition: Poor to Fair

Location: On plan

Observation: Foliage is chlorotic. Tree remains.

197 American sweet gum

Diameter: 7.2"

Height: 15' **Spread:** 10'

Condition: Very Poor

Location: On plan

Observation: Foliage is chlorotic with minor branch dieback. Tree remains.

198 American sweet gum

Diameter: 7.9"

Height: 20' **Spread:** 22'

Condition: Poor to Fair

Location: On plan

Observation: Foliage is chlorotic. Tree remains.

199 American sweet gum

Diameter: 5.9"

Height: 18' **Spread:** 14'

Condition: Fair

Location: On plan

Observation: Foliage is chlorotic. Tree remains.

200 American sweet gum

Diameter: 5.1"

Height: 16' **Spread:** 12'

Condition: Poor to Fair

Location: On plan

Observation: Foliage is chlorotic with minor branch dieback. Tree remains.

201 American sweet gum

Diameter: 6.2"

Height: 18' **Spread:** 14'

Condition: Poor to Fair

Location: On plan

Observation: Foliage is chlorotic with minor branch dieback. Tree remains.

202 American sweet gum

Diameter: 5.6"

Height: 15' **Spread:** 12'

Condition: Poor

Location: On plan

Observation: Foliage is chlorotic with minor branch dieback. Tree remains.

203 American sweet gum

Diameter: 6.7"

Height: 18' **Spread:** 12'

Condition: Poor

Location: On plan

Observation: Foliage is chlorotic with minor branch dieback. Tree remains.

204 American sweet gum

Diameter: 6.6"

Height: 18' **Spread:** 14'

Condition: Poor

Location: On plan

Observation: Foliage is chlorotic with minor branch dieback. Tree remains.

205 American sweet gum

Diameter: 5.8"

Height: 15' **Spread:** 10'

Condition: Poor

Location: On plan

Observation: Foliage is chlorotic with minor branch dieback. Tree remains.

206 American sweet gum

Diameter: 6.6"

Height: 16' **Spread:** 10'

Condition: Very Poor

Location: On plan

Observation: Foliage is chlorotic with minor branch dieback. Tree remains.

207 Coast redwood

Diameter: 15.5"

Height: 35' **Spread:** 20'

Condition: Fair

Location: On plan

Observation: Limited root environment. Tree remains.

208 Coast redwood

Diameter: 15.9"

Height: 38' **Spread:** 24'

Condition: Fair

Location: On plan

Observation: Limited root environment. Tree remains.

209 Coast redwood

Diameter: 13.9"

Height: 20' **Spread:** 18'

Condition: Fair

Location: On plan

Observation: Limited root environment. Drought stressed. Tree remains.

210 Coast redwood

Diameter: 14.1"

Height: 25' **Spread:** 18'

Condition: Fair

Location: On plan

Observation: Limited root environment. Drought stressed. Tree remains.

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Attention: Mr. Ryan Amaya

211 Coast redwood

Diameter: 14.5"

Height: 28' **Spread:** 18'

Condition: Fair

Location: On plan

Observation: Limited root environment. Drought stressed. Tree remains.

212 Coast redwood

Diameter: 14.3"

Height: 22' **Spread:** 14'

Condition: Fair

Location: On plan

Observation: Limited root environment. Drought stressed. Tree remains.

213 Coast redwood

Diameter: 15.2"

Height: 22' **Spread:** 18'

Condition: Fair

Location: On plan

Observation: Limited root environment. Drought stressed. Tree remains.

214 Coast redwood

Diameter: 11.9"

Height: 18' **Spread:** 16'

Condition: Fair

Location: On plan

Observation: Limited root environment. Drought stressed. Tree remains.

215 Coast redwood

Diameter: 12.1"

Height: 18' **Spread:** 14'

Condition: Fair

Location: On plan

Observation: Limited root environment. Drought stressed. Tree remains.

216 Coast redwood

Diameter: 13.0"

Height: 18' **Spread:** 16'

Condition: Fair

Location: On plan

Observation: Limited root environment. Drought stressed. Tree remains.

217 Coast redwood

Diameter: 11.5"

Height: 15' **Spread:** 12'

Condition: Fair

Location: On plan

Observation: Limited root environment. Drought stressed. Tree remains.

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Attention: Mr. Ryan Amaya

218 Coast redwood

Diameter: 10.5"

Height: 15' **Spread:** 12'

Condition: Fair

Location: On plan

Observation: Limited root environment. Drought stressed. Tree remains.

219 Coast redwood

Diameter: 13.9"

Height: 20' **Spread:** 15'

Condition: Fair

Location: On plan

Observation: Limited root environment. Drought stressed. Tree remains.

220 Coast redwood

Diameter: 19.5"

Height: 40' **Spread:** 18'

Condition: Fair

Location: On plan

Observation: Limited root environment. Drought stressed. Tree remains.

221 Coast redwood

Diameter: 23.3"

Height: 40' **Spread:** 20'

Condition: Fair

Location: On plan

Observation: Limited root environment. Drought stressed. Tree remains.

222 Coast redwood

Diameter: 17.8"

Height: 30' **Spread:** 14'

Condition: Poor to Fair

Location: On plan

Observation: Limited root environment. Drought stressed. Tree remains.

223 Coast redwood

Diameter: 23.4"

Height: 45' **Spread:** 18'

Condition: Fair

Location: On plan

Observation: Limited root environment. Drought stressed. Tree remains.

224 Flowering plum

Diameter: 14.5" Low Branching

Height: 15' **Spread:** 15'

Condition: Very Poor

Location: On plan

Observation: Severe dieback. Proposed for removal.

225 Flowering plum

Diameter: 13.4" Low Branching

Height: 18' **Spread:** 17'

Condition: Very Poor

Location: On plan

Observation: Severe dieback. Proposed for removal.

226 Coast redwood

Diameter: 27.5"

Height: 55' **Spread:** 26'

Condition: Poor to Fair

Location: On plan

Observation: Limited root environment. Drought stressed. Tree remains.

227 Coast redwood

Diameter: 22.9"

Height: 40' **Spread:** 15'

Condition: Poor to Fair

Location: On plan

Observation: Limited root environment. Drought stressed. Tree remains.

228 Coast redwood

Diameter: 16.0"

Height: 35' **Spread:** 18'

Condition: Poor to Fair

Location: On plan

Observation: Limited root environment. Drought stressed. Tree remains.

229 Coast redwood

Diameter: 22.4"

Height: 36' **Spread:** 14'

Condition: Poor to Fair

Location: On plan

Observation: Limited root environment. Drought stressed. Tree remains.

230 Flowering plum

Diameter: 3.9"

Height: 12' **Spread:** 9'

Condition: Poor to Fair

Location: On plan

Observation: Moderate accumulation of water sprouts. Proposed for removal.

231 Coast redwood

Diameter: 35.3"

Height: 70' **Spread:** 30'

Condition: Fair

Location: On plan

Observation: Insufficient root area. Tree remains.

232 Evergreen ash

Diameter: 8.5"

Height: 35' **Spread:** 18'

Condition: Fair

Location: On plan

Observation: Cluster of property line ash trees and sucker growth. Proposed for removal.

233 Evergreen ash

Diameter: 5 stems 6-11" Multi trunk

Height: 40' **Spread:** 25'

Condition: Fair

Location: On plan

Observation: Cluster of property line ash trees and sucker growth. Proposed for removal.

234 Evergreen ash

Diameter: 27" Low Branching

Height: 55' **Spread:** 45'

Condition: Fair

Location: On plan

Observation: Cluster of property line ash trees and sucker growth. Proposed for removal.

235 Evergreen ash

Diameter: 3.5"

Height: 20' **Spread:** 6'

Condition: Fair

Location: On plan

Observation: Cluster of property line ash trees and sucker growth. Proposed for removal.

236 Evergreen ash

Diameter: 4.1"

Height: 20' **Spread:** 6'

Condition: Fair

Location: On plan

Observation: Cluster of property line ash trees and sucker growth. Proposed for removal.

237 Evergreen ash

Diameter: 4.2"

Height: 20' **Spread:** 10'

Condition: Fair

Location: On plan

Observation: Cluster of property line ash trees and sucker growth. Proposed for removal.

238 Evergreen ash

Diameter: 3.7"

Height: 20' **Spread:** 5'

Condition: Fair

Location: On plan

Observation: Cluster of property line ash trees and sucker growth. Proposed for removal.

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Attention: Mr. Ryan Amaya

239 Flowering plum

Diameter: 3.2"

Height: 12' **Spread:** 8'

Condition: Poor to Fair

Location: Not tagged

Observation: Gummosis on main stem. Proposed for removal.

TREE PRESERVATION GUIDELINES

Tree Preservation and Protection Plan

In providing recommendations for tree preservation, we recognize that injury to trees as a result of construction include mechanical injuries to trunks, roots and branches, and injury as a result of changes that occur in the growing environment.

To minimize these injuries, we recommend grading operations encroach no closer than six times the trunk diameter, (i.e. 30" diameter tree x 6=180" distance). At this distance, buttress/anchoring roots would be preserved and minimal injury to the functional root area would be anticipated. Should encroachment within the area become necessary, hand digging is *mandatory. Notify project arborist at least 72 hours prior to any work within this zone (TPZ).*

Barricades

Prior to initiation of construction activity, temporary barricades should be installed around all trees in the construction area. Six-foot high, chain link fences are to be mounted on steel posts, driven 2 feet into the ground, at no more than 10-foot spacing. The fences shall enclose the entire area under the drip line of the trees or as close to the drip line area as practical. These barricades will be placed around individual trees and/or groups of trees as the existing environment dictates.

The temporary barricades will serve to protect trunks, roots and branches from mechanical injuries, will inhibit stockpiling of construction materials or debris within the sensitive 'drip line' areas and will prevent soil compaction from increased vehicular/pedestrian traffic. No storage of material, topsoil, vehicles or equipment shall be permitted within the tree enclosure area. The ground around the tree canopy shall not be altered. Designated areas beyond the drip lines of any trees should be provided for construction materials and onsite parking.

Root Pruning (if necessary)

During and upon completion of any trenching/grading operation within a tree's drip line, should any roots greater than one inch (1") in diameter be damaged, broken or severed, root pruning to include flush cutting and sealing of exposed roots should be accomplished under the supervision of a qualified Arborist to minimize root deterioration beyond the soil line ***within twenty-four (24) hours.***

Pruning

Pruning of the foliar canopies to include removal of deadwood is recommended and should be initiated prior to construction operations. Such pruning will provide any necessary construction clearance, will lessen the likelihood or potential for limb breakage, reduce 'windsail' effect and provide an environment suitable for healthy and vigorous growth.

Kier & Wright Civil Engineers & Surveyors, Inc.

Attention: Mr. Ryan Amaya

Fertilization

A program of fertilization by means of deep root soil injection is recommended with applications in spring and summer for those trees to be impacted by construction. Fertilizer should include organic

Such fertilization will serve to stimulate feeder root development, offset shock/stress as related to construction and/or environmental factors, encourage vigor, alleviate soil compaction and compensate for any encroachment of natural feeding root areas.

Inception of this fertilizing program is recommended prior to the initiation of construction activity.

Mulch

Mulching with wood chips (maximum depth 3") within tree environments (outer foliar perimeter) will lessen moisture evaporation from soil, protect and encourage adventitious roots and minimize possible soil compaction.

Inspection

Periodic inspections by the **Site Arborist** are recommended during construction activities, particularly as trees are impacted by trenching/grading operations.

Inspections at approximate four (4) week intervals would be sufficient to assess and monitor the effectiveness of the Tree Preservation Plan and to provide recommendations for any additional care or treatment.

All written material appearing herein constitutes original and unpublished work of the Arborist and may not be duplicated, used or disclosed without written consent of the Arborist.

We thank you for this opportunity to be of assistance in your tree preservation concerns.

Should you have any questions, or if we may be of further assistance in these concerns, kindly contact our office at any time.

McCLENAHAN CONSULTING, LLC



By: **John H. McClenahan**
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ARBORIST DISCLOSURE STATEMENT

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. Clients may choose to accept or disregard the recommendations of the arborist, or seek additional advice.

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 specified period of time. Likewise, remedial treatments, like a medicine, cannot be guaranteed.

Treatment, pruning, and 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, landlord-tenant matters, etc. Arborists cannot take such issues into account unless complete and accurate information is given to the arborist. The person hiring the arborist accepts full responsibility for authorizing the recommended treatment or remedial measures.

Trees can be managed, but they cannot be controlled. To live near a tree is to accept some degree of risk. The only way to eliminate all risks is to eliminate all trees.



Arborist:

John H. McClenahan

Date:

July 21, 2017

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