

**APPENDIX A**

**TREE SURVEY AND ARBORIST REPORT**

October 24, 2008

Bill Burton, PE  
Associate Vice President  
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155 Grand Avenue, Suite 700  
Oakland, CA 94612

Subject: Arborist Survey Report  
Buchanan Street Bicycle/Pedestrian Path Project, Albany, California

Dear Bill:

This letter provides the results of the tree survey LSA conducted for the Buchanan Street Bicycle/Pedestrian Path Project, Albany, California. The purpose of the tree survey is to identify, determine condition, and evaluate plan alternatives for trees occurring within the Buchanan Street Bicycle/Pedestrian Path project area. The alternate plan(s) are evaluated to determine impacts and to recommend protection or mitigation for trees suitable for preservation with the project area. The survey included all trees within the survey area, roughly on both sides of Buchanan Street from Pierce Street to San Pablo Avenue, and on both sides of Marin Avenue from San Pablo Avenue to Talbot Avenue.

## 1. Methods

LSA certified arborist, Timothy Milliken (WE5539), visited the project site on June 3, and 10, 2008. A total of 160 trees were surveyed. In most instances the trees included in the survey measure at least 4 inches in diameter and greater. Existing street trees and other viable trees that are less than 4 inches in diameter were also included in the survey. The survey procedure consisted of the following steps:

1. Identifying each live tree to species;
2. Positioning each tree on the project map (Figure 1, Tree Map);
3. Measuring the trunk diameter of each tree at a point 4.5 feet above the natural grade (DBH);
4. If an individual tree had multiple trunks, the diameters of all trunks were totaled;
5. The health and structural condition of each tree is recorded in Table A and was evaluated as being either:
  - **Good** – Trees with good health and structure that have potential for longevity on site.
  - **Fair** – Trees with somewhat declining health and/or structural defects that can be abated with treatment. The tree will require more intense management and monitoring, and may have a shorter life span than those in the ‘good’ category if located in or adjacent to developed areas.
  - **Poor** – Trees in poor health or with significant structural defects that cannot be mitigated. Trees in this category are expected to continue to decline, regardless of treatment. The species or individual tree may have characteristics that are undesirable for landscapes, and generally are unsuited for use in developed areas.

## 2. Results

A total of 160 trees representing 23 different species (2 native to the Albany area, 20 ornamental, and 1 fruit) were identified on the project site as listed in Table A.

**Table A: Summary of Trees Observed in the Survey Area**

| Species name                   | Common name              | Condition of Trees |            |          | Total Trees |
|--------------------------------|--------------------------|--------------------|------------|----------|-------------|
|                                |                          | Fair               | Good       | Poor     |             |
| <i>Acer buergeriaum</i>        | Trident maple            |                    | 1          |          | 1           |
| <i>Arbutus unedo</i>           | Strawberry Tree          |                    | 12         |          | 12          |
| <i>Cinnamomum camphora</i>     | Camphor tree             | 2                  | 10         | 3        | 15          |
| <i>Cedrus Atlantica</i>        | Atlas cedar              |                    | 2          |          | 2           |
| <i>Eugenia brasiliensis</i>    | Brazil cherry            |                    | 1          |          | 1           |
| <i>Eucalyptus nicholii</i>     | Willow-leaved peppermint |                    | 1          |          | 1           |
| <i>Juniperus sp.</i>           | Juniper                  |                    | 1          |          | 1           |
| <i>Calocedrus decurrens</i>    | Incense cedar            |                    | 8          | 1        | 9           |
| <i>Ligustrum lucidum</i>       | Glossy privet            | 3                  | 4          |          | 7           |
| <i>Liquidambar styraciflua</i> | Sweet Gum                |                    | 2          |          | 2           |
| <i>Pittosporum undulatum</i>   | Victorian box            |                    | 1          |          | 1           |
| <i>Liriodendron tulipifera</i> | Tulip tree               |                    | 1          |          | 1           |
| <i>Phoenix canariensis</i>     | Canary Island date palm  |                    | 2          |          | 2           |
| <i>Pinus radiata</i>           | Monterey pine            |                    | 7          |          | 7           |
| <i>Pinus sp.</i>               | Pine                     |                    | 1          |          | 1           |
| <i>Pistachia chinense</i>      | Chines pistache          |                    | 3          |          | 3           |
| <i>Platanus x. acerifolia</i>  | London plane tree        | 9                  | 25         | 3        | 37          |
| <i>Prunus sp.</i>              | Purple leaf plum         | 2                  | 1          |          | 3           |
| <i>Pyrus kawakamii</i>         | Evergreen pear           |                    | 6          |          | 6           |
| <i>Quercus agrifolia</i>       | Coast live oak           |                    | 5          |          | 5           |
| <i>Sequoia sempervirens</i>    | Coast redwood            | 1                  | 35         |          | 36          |
| <i>Tristaniopsis laurina</i>   | Laurel leaf gum          |                    | 6          |          | 6           |
| <i>Ulmus parvifolia</i>        | Chinese Elm              | 1                  |            |          | 1           |
| <b>Grand Total</b>             |                          | <b>1</b>           | <b>135</b> | <b>7</b> | <b>160</b>  |

Details of the tree survey results are presented in the attached Table 1. Table 1 lists each tree by number and provides common and scientific name, diameter, and condition. Figures 1A through 1E show the location of each tree on the tree map.

**a. Discussion.** Over the course of the evaluation LSA's certified arborist met at the project site with Albany's Urban Forester, Tony Wolcott to discuss the three segments of the proposed alignment as they relate to the street tree inventory provided in this report. City policies strongly discourage the removal of mature, healthy, well-structured trees, in particular coast redwood and camphor trees. Many of the trees in the inventory are worthy of preservation, while others are in poor health, stunted from urban abuse and poor maintenance. Additionally any proposed root pruning or tree removal, regardless of size or condition, within the public right-of-way will need to be addressed and may possibly require mitigation. Root pruning should be avoided. The three segments of the Buchanan Street Bicycle/

Pedestrian Path proposed project are discussed below.

**Segment 1** – Proposed Class II Path from Cornell Avenue and Marin Avenue to San Pablo Avenue and Marin Avenue. This alternative would have a nominal impact on the roots of some of the large camphor trees that line Marin Avenue. It is assumed that root pruning would need to occur in order to re-grade the road in areas where tree roots have caused the road surface to heave. The City’s urban forester is opposed to removing any camphor trees; however root pruning is an injury that these trees have shown resilience to. The City’s urban forester also mentioned that three camphor trees on the south side of Marin Avenue between Kains Avenue and San Pablo Avenue (#’s 10, 11, and 12) may be removed at some time in the future because of poor health and structure. A certified arborist or the City’s urban forester should monitor any root pruning or other work that encroaches into the rootzone or canopy of street trees in this segment.

**Segment 2** – Proposed Class I Path from the intersection of San Pablo Avenue and Marin Avenue to the Buchanan Street Overcrossing on the south side of Buchanan Street. LSA’s arborist and the City’s urban forester recommend that this alternative avoid disturbance of redwood and incense cedar root zones. All trees proposed for retention should be evaluated individually to determine what degree of root intrusion would be acceptable to maintain tree health and structure given its distance to the proposed trail. This segment is divided into three smaller segments based upon the ownership of the adjacent properties: University of California’s Gill Tract, Ocean View School and Park, and U.S. Department of Agriculture (USDA) Agricultural Research Service, as described below.

*Gill Tract* - The arborist’s recommended alignment for the segment would commence with a cyclist/pedestrian staging area between the Canary Island date palm (# 27) and the Atlas cedar (# 28) at San Pablo Avenue. Small retaining walls could be constructed as close as three feet to the trunk of the palm. The cedar may also have a retaining wall constructed around it at a distance to be determined by a certified arborist. The trail is not expected to impact the grove of pine trees (#’s 30, 31, 32 , and 33) at Gill Tract, however these trees may present a hazard to trail users due to their propensity to drop branches. The City’s urban forester recommends that this stretch of the trail (Gill Tract) be buffered from Buchanan Street traffic with new landscaping.

*Ocean View School and Park* - There are several large redwood trees and other small street trees. It is recommended that the trail avoid all redwood trees (#’s 38 - 41, 48, 51, 52, 54, 60, and 61) on Buchanan Street by bulbing-out around on the north side of the trees, resulting in a reduction of street surface/parking spaces. The removal of the London plane trees (#’s 44 -47, 50, 53, 55 -59, 62, 63, and 64) would be allowed provided that they are replaced elsewhere as part of the new project landscaping. The trail is not expected to impact the following trees: #’s 34 – 37, 42, 43, 49, 51, 54 or 65 -67. The grove of redwoods (#’s 71 - 80) in the parking lot of Ocean View Park should be avoided by bulbing-out the trail on either the south or north side. The south side alternative would call for the removal of three camphor trees (#’s 68 - 70). These trees are in decline and their removal would have minimal impact provided that they are replaced elsewhere as new landscaping within the project. As stated above an evaluation of should be made to determine the acceptable distance of the proposed trail to the tree roots.

*USDA* – Three trees (#’s 81 - 83) near the entrance to the USDA facility on Moore Street may or may not be impacted by the proposed trail. If the trail design is to remove these trees, then the trees should be replaced elsewhere as part of the new landscaping. There is one plum tree (# 84) that may or may

not be impacted by the proposed trail. The grove of redwoods (#'s 85, 87 -100) including one incense cedar (# 86) at the western end of this segment should be avoided by constructing the Buchanan Street Overcrossing east of this grove.

**Segment 3** – Proposed Class II Path along the north side of Buchanan Street from the intersection of San Pablo Avenue and Marin Avenue to either Taylor Street or Pierce Street. This alternative would have minimal impact on the trees that line Buchanan Street. It is assumed that there will be no alteration of the road other than the proposed painted lines, and therefore no roots would be injured from roadway disturbance. Canopy pruning may need to take place in order to provide clearance for bike riders. This type of impact is minimal and should be monitored by a certified arborist or the City's urban forester.

**b. Recommendations.** Following are the recommendations specific to each segment of the proposed path as well as recommendations applicable to the entire project. All trees proposed for retention should be evaluated individually by a certified arborist to determine the feasibility of the final design with respect to tree health.

#### **Segment 1**

- No removal of camphor trees.
- Root or canopy pruning should be monitored by a certified arborist or the City's urban forester.

#### **Segment 2**

- Avoid redwood and incense cedar root zones (distance of avoidance to be determined by a certified arborist on a tree by tree basis).
- New landscape buffer between Buchanan Street traffic and Gill Tract trail segment.
- Replace removed trees with new tree stock at a ratio of 1:1 for trees with DBH of 5 inches or less; 3:1 for trees that are greater than 5 inches DBH and less than 12 inches DBH; and 6:1 for trees with DBH of 12 inches or greater, or at a lesser ratio if large boxed trees are used. Because the City of Albany does not have a specific tree replacement ratio, each project is assessed on an individual basis. The scale of tree replacement ratios presented here was suggested by the City's urban forester.
- Root or canopy pruning should be monitored by a certified arborist or the City's urban forester.

#### **Segment 3**

- Canopy pruning should be monitored by a certified arborist or the City's urban forester.

#### **Project wide**

Appropriate care must be provided to trees proposed for retention. Initially the trees should be protected by enclosing them within a tree protection zone (TPZ). The TPZ and associated elements are recommended in order to prevent direct damage to the trees and their growing environment during the construction process. This report recommends that a TPZ be established around each tree or group of trees by installing a fortified fence around the perimeter of the tree(s). The fencing should be installed before site preparation, construction activities, or tree trimming begins and should consist of chain-link fencing material supported by metal posts driven into the ground. A more substantial barrier should be

placed around trees with qualities that make them important to or prized by the community. For broad canopy trees the TPZ should be located at a distance slightly beyond the drip line, where feasible. For trees with narrow or irregular shaped canopies, a larger diameter TPZ may be required by a certified arborist. Required actions associated with this tree protection include deep irrigation of the trees once a month prior to and during construction activities. Additionally there should be no soil disturbance within the TPZ and the soil should be dressed with a three to four inch layer of bark mulch (mulch should not make contact with the tree bark).

Heavy machinery should not be allowed to operate or park within the Tree Protection Zone. If it is necessary for heavy machinery to operate within the dripline of the protected trees, then a layer of mulch or pea gravel at least 4 inches in depth should be placed on the ground beneath the dripline. A 3/4 inch sheet of plywood should be placed on top of the mulch. The plywood and mulch will reduce compaction of the soil within the dripline. Debris or materials shall not be placed within TPZs or against tree trunks. It may be necessary to trim the canopy of a tree to reduce the hazard of accidental limb failure or to allow the movement of construction machinery. Although no specific branch or branches are recommended for removal, planned tree work should consider removing dead, crossed and/or malformed limbs. All branches to be removed should be pruned back to an appropriate size laterally or to the trunk by following proper pruning guidelines. It is recommended that a professional tree company with certified arborists be retained to do this work.

LSA appreciates the opportunity to provide this report. Please feel free to contact me if you have questions or comments on this report.

Sincerely,

**LSA ASSOCIATES, INC.**



Timothy Milliken  
International Society of Arboriculture (ISA) Certified Arborist WC-5539

Encl: Figure 1: Tree Map  
Table 1: Buchanan Street Bicycle / Pedestrian Path, Albany, California





LSA



0 25 50  
FEET

1 TREE AND TREE NUMBER

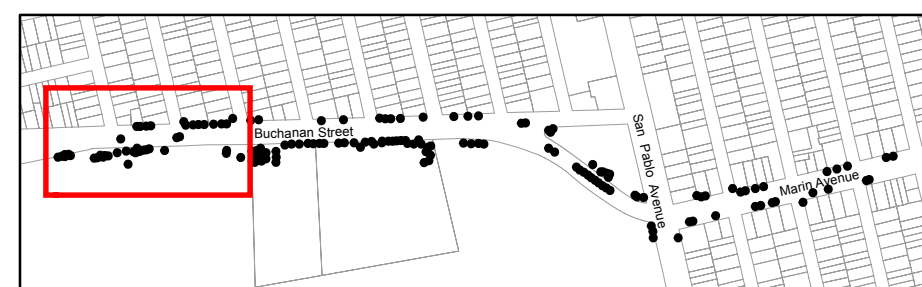


FIGURE 1A

*Buchanan Street Bicycle / Pedestrian Plan*

Tree Map





LSA



0 25 50  
FEET

1 TREE AND TREE NUMBER



FIGURE 1B

*Buchanan Street Bicycle / Pedestrian Plan*

Tree Map





LSA



0 25 50  
FEET

1 TREE AND TREE NUMBER



FIGURE 1C

*Buchanan Street Bicycle / Pedestrian Plan*

Tree Map





LSA



0 25 50  
FEET

1 TREE AND TREE NUMBER

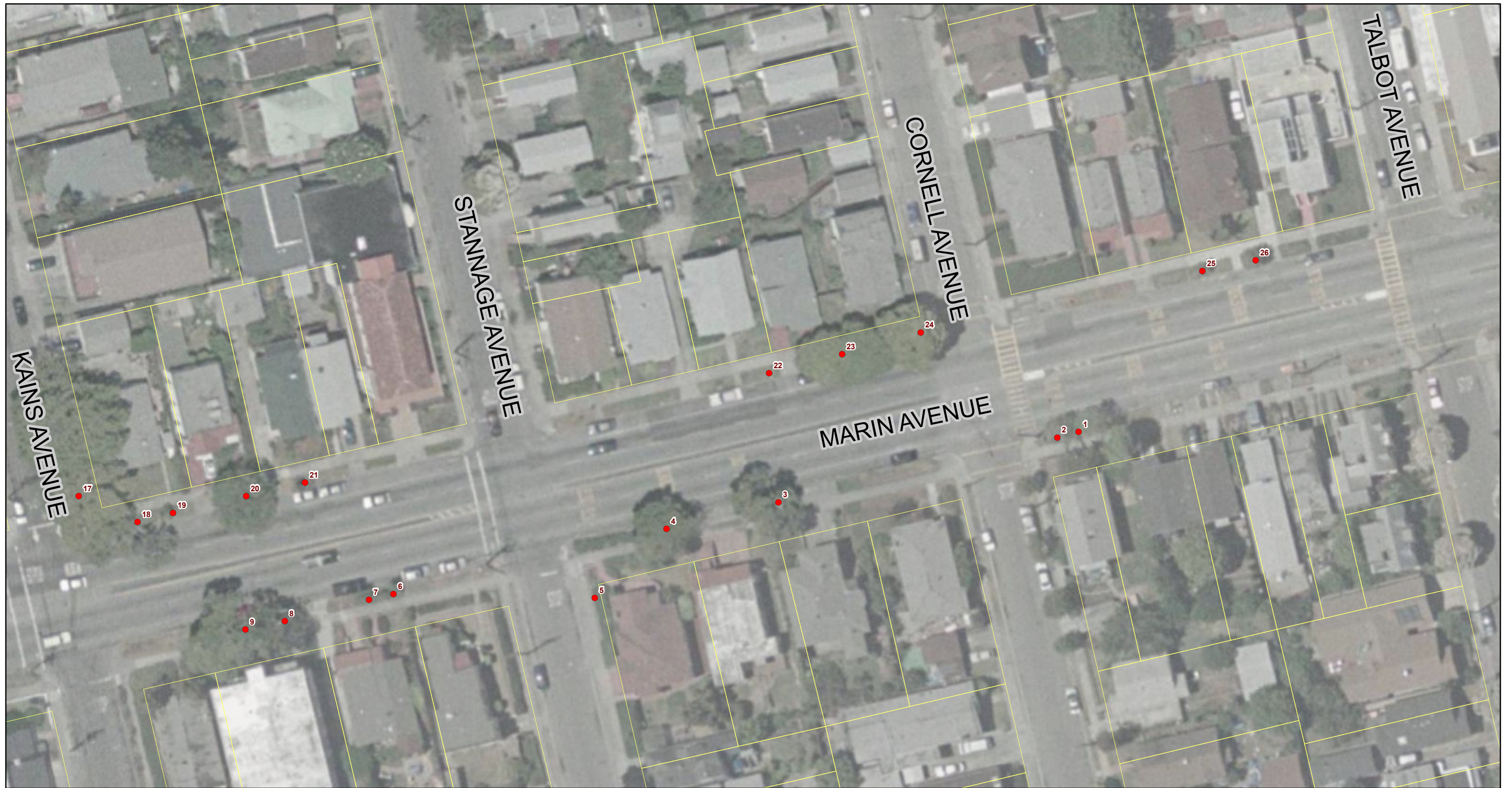


FIGURE 1D

*Buchanan Street Bicycle / Pedestrian Plan*

Tree Map





LSA



0 25 50  
FEET

1 TREE AND TREE NUMBER



FIGURE 1E

Buchanan Street Bicycle / Pedestrian Plan

Tree Map



Table 1. Results of Tree Survey

| Tree number | Common name (species name)                         | Diameter (inches) | Condition        | Notes                               |
|-------------|--|-------------------|------------------|-------------------------------------|
| 1           | London plane tree<br><i>Platanus x. acerifolia</i> | 9                 | Good (excellent) | 1204 Marin Ave.                     |
| 2           | London plane tree<br><i>Platanus x. acerifolia</i> | 7                 | Good             | 1204 Marin Ave.                     |
| 3           | Camphor tree<br><i>Cinnamomum camphora</i>         | 32                | Good             | 16+16, 2 stem<br>1148 Marin Ave.    |
| 4           | Camphor tree<br><i>Cinnamomum camphora</i>         | 19                | Good             | Heaving sidewalk<br>1144 Marin Ave. |
| 5           | Sweet Gum<br><i>Liquidambar styraciflua</i>        | 5                 | Good (excellent) | 1144 Marin Ave.                     |
| 6           | London plane tree<br><i>Platanus x. acerifolia</i> | 6                 | Good (excellent) | 1130 Marin Ave.                     |
| 7           | London plane tree<br><i>Platanus x. acerifolia</i> | 5                 | Good             | 1130 Marin Ave.                     |
| 8           | Camphor tree<br><i>Cinnamomum camphora</i>         | 32                | Good             | 1126 Marin Ave.                     |
| 9           | Camphor tree<br><i>Cinnamomum camphora</i>         | 48                | Good             | 1126 Marin Ave.                     |
| 10          | Camphor tree<br><i>Cinnamomum camphora</i>         | 24                | Fair             | 1112 Marin Ave.                     |
| 11          | Camphor tree<br><i>Cinnamomum camphora</i>         | 5                 | Good (excellent) | Gas station                         |
| 12          | Camphor tree<br><i>Cinnamomum camphora</i>         | 8                 | Fair             | Gas station                         |
| 13          | Sweet Gum<br><i>Liquidambar styraciflua</i>        | 14                | Good (excellent) | Gas station                         |
| 14          | Tulip tree<br><i>Liriodendron tulipifera</i>       | 2                 | Good             | Car wash                            |
| 15          | Juniper<br><i>Juniperus sp.</i>                    | 18                | Good             | 1111 Marin Ave.<br>2+8, 2 stem      |
| 16          | Brazil cherry<br><i>Eugenia brasiliensis</i>       | 24                | Good             | 1111 Marin Ave.                     |
| 17          | Camphor tree<br><i>Cinnamomum camphora</i>         | 24                | Good (excellent) | 995 Marin Ave.<br>on corner         |
| 18          | Chinese pistache<br><i>Pistachia chinense</i>      | 2                 | Good             | 995 Marin Ave.<br>newly planted     |
| 19          | London plane tree<br><i>Platanus x. acerifolia</i> | 2                 | Good             | 995 Marin Ave.<br>newly planted     |
| 20          | London plane tree<br><i>Platanus x. acerifolia</i> | 14                | Good (excellent) | 1121 Marin Ave.                     |
| 21          | London plane tree<br><i>Platanus x. acerifolia</i> | 5                 | Good             | 1129 Marin Ave.                     |
| 22          | Camphor tree<br><i>Cinnamomum camphora</i>         | 24                | Good (excellent) | 1151 Marin Ave.<br>16+8, 2 stem     |
| 23          | Camphor tree<br><i>Cinnamomum camphora</i>         | 28                | Good (excellent) | 1153 Marin Ave.<br>Heaving sidewalk |

| Tree number | Common name (species name)                            | Diameter (inches) | Condition        | Notes                               |
|-------------|---|-------------------|------------------|-------------------------------------|
| 24          | Camphor tree<br><i>Cinnamomum camphora</i>            | 22                | Good (excellent) | 1153 Marin Ave<br>Heaving sidewalk. |
| 25          | London plane tree<br><i>Platanus x. acerifolia</i>    | 6                 | Good             | 2217 Marin Ave.                     |
| 26          | London plane tree<br><i>Platanus x. acerifolia</i>    | 7                 | Good (excellent) | 2217 Marin Ave.                     |
| 27          | Canary Island date palm<br><i>Phoenix canariensis</i> | 28                | Good (excellent) | SW corner of San Pablo              |
| 28          | Atlas cedar<br><i>Cedrus atlantica</i>                | 29                | Good (excellent) | SW corner of San Pablo              |
| 29          | Date palm<br><i>Phoenix dactylifera</i>               | 28                | Good (excellent) | SW corner of San Pablo              |
| 30          | Monterey pine<br><i>Pinus radiata</i>                 | 12                | Good (excellent) | Gill Track                          |
| 31          | Monterey pine<br><i>Pinus radiata</i>                 | 10                | Good (excellent) | Gill Track                          |
| 32          | Monterey pine<br><i>Pinus radiata</i>                 | 18                | Good (excellent) | Gill Track                          |
| 33          | Monterey pine<br><i>Pinus radiata</i>                 | 18                | Good (excellent) | Gill Track                          |
| 34          | Evergreen pear<br><i>Pyrus kawakamii</i>              | 8                 | Good             | Ocean View School                   |
| 35          | Coast redwood<br><i>Sequoia sempervirens</i>          | 12                | Fair             | Ocean View School                   |
| 36          | Coast redwood<br><i>Sequoia sempervirens</i>          | 30                | Good             | Ocean View School                   |
| 37          | Evergreen pear<br><i>Pyrus kawakamii</i>              | 12                | Good             | Ocean View School                   |
| 38          | Coast redwood<br><i>Sequoia sempervirens</i>          | 14                | Good             | Ocean View School                   |
| 39          | Coast redwood<br><i>Sequoia sempervirens</i>          | 18                | Good             | Ocean View School                   |
| 40          | Coast redwood<br><i>Sequoia sempervirens</i>          | 15                | Good (excellent) | Ocean View School                   |
| 41          | Coast redwood<br><i>Sequoia sempervirens</i>          | 15                | Good (excellent) | Ocean View School                   |
| 42          | Evergreen pear<br><i>Pyrus kawakamii</i>              | 8                 | Good             | Ocean View School                   |
| 43          | Evergreen pear<br><i>Pyrus kawakamii</i>              | 7                 | Good             | Ocean View School                   |
| 44          | London plane tree<br><i>Platanus x. acerifolia</i>    | 3                 | Poor             | Ocean View School                   |
| 45          | London plane tree<br><i>Platanus x. acerifolia</i>    | 2                 | Fair             | Ocean View School                   |
| 46          | London plane tree<br><i>Platanus x. acerifolia</i>    | 2                 | Good             | Ocean View School                   |
| 47          | London plane tree<br><i>Platanus x. acerifolia</i>    | 2                 | Poor             | Ocean View School                   |
| 48          | Coast redwood<br><i>Sequoia sempervirens</i>          | 18 (excellent)    | Good             | Ocean View School                   |

| Tree number | Common name (species name)                         | Diameter (inches) | Condition        | Notes             |
|-------------|--|-------------------|------------------|-------------------|
| 49          | Evergreen pear<br><i>Pyrus kawakamii</i>           | 8                 | Good             | Ocean View School |
| 50          | London plane tree<br><i>Platanus x. acerifolia</i> | 2                 | Fair             | Ocean View School |
| 51          | Coast redwood<br><i>Sequoia sempervirens</i>       | 15                | Good (excellent) | Ocean View School |
| 52          | Coast redwood<br><i>Sequoia sempervirens</i>       | 18                | Good (excellent) | Ocean View School |
| 53          | London plane tree<br><i>Platanus x. acerifolia</i> | 3                 | Fair             | Ocean View School |
| 54          | Coast redwood<br><i>Sequoia sempervirens</i>       | 20                | Good (excellent) | Ocean View School |
| 55          | London plane tree<br><i>Platanus x. acerifolia</i> | 0                 | Dead             | Ocean View School |
| 56          | London plane tree<br><i>Platanus x. acerifolia</i> | 3                 | Fair             | Ocean View School |
| 57          | London plane tree<br><i>Platanus x. acerifolia</i> | 1                 | Fair             | Ocean View School |
| 58          | London plane tree<br><i>Platanus x. acerifolia</i> | 4                 | Fair             | Ocean View School |
| 59          | London plane tree<br><i>Platanus x. acerifolia</i> | 4                 | Fair             | Ocean View School |
| 60          | Coast redwood<br><i>Sequoia sempervirens</i>       | 16                | Good (excellent) | Ocean View Park   |
| 61          | Coast redwood<br><i>Sequoia sempervirens</i>       | 18                | Good (excellent) | Ocean View Park   |
| 62          | London plane tree<br><i>Platanus x. acerifolia</i> | 5                 | Good             | Ocean View Park   |
| 63          | London plane tree<br><i>Platanus x. acerifolia</i> | 5                 | Good             | Ocean View Park   |
| 64          | London plane tree<br><i>Platanus x. acerifolia</i> | 7                 | Good             | Ocean View Park   |
| 65          | London plane tree<br><i>Platanus x. acerifolia</i> | 9                 | Good (excellent) | Ocean View Park   |
| 66          | London plane tree<br><i>Platanus x. acerifolia</i> | 7                 | Good             | Ocean View Park   |
| 67          | London plane tree<br><i>Platanus x. acerifolia</i> | 9                 | Good             | Ocean View Park   |
| 68          | Camphor tree<br><i>Cinnamomum camphora</i>         | 5                 | Poor             | Ocean View Park   |
| 69          | Camphor tree<br><i>Cinnamomum camphora</i>         | 18                | Poor             | Ocean View Park   |
| 70          | Camphor tree<br><i>Cinnamomum camphora</i>         | 14                | Poor             | Ocean View Park   |
| 71          | Coast redwood<br><i>Sequoia sempervirens</i>       | 22                | Good (excellent) | Ocean View Park   |
| 72          | Coast redwood<br><i>Sequoia sempervirens</i>       | 14                | Good (excellent) | Ocean View Park   |
| 73          | Coast redwood<br><i>Sequoia sempervirens</i>       | 18                | Good (excellent) | Ocean View Park   |



| Tree number | Common name<br>(species name)                | Diameter<br>(inches) | Condition           | Notes                          |
|-------------|--|----------------------|---------------------|--------------------------------|
| 74          | Coast redwood<br><i>Sequoia sempervirens</i> | 20                   | Good<br>(excellent) | Ocean View Park                |
| 75          | Coast redwood<br><i>Sequoia sempervirens</i> | 18                   | Good<br>(excellent) | Ocean View Park                |
| 76          | Camphor tree<br><i>Cinnamomum camphora</i>   | 12                   | Good                | Ocean View Park                |
| 77          | Coast redwood<br><i>Sequoia sempervirens</i> | 17                   | Good<br>(excellent) | Ocean View Park                |
| 78          | Coast redwood<br><i>Sequoia sempervirens</i> | 16                   | Good<br>(excellent) | Ocean View Park                |
| 79          | Coast redwood<br><i>Sequoia sempervirens</i> | 16                   | Good<br>(excellent) | Ocean View Park                |
| 80          | Coast redwood<br><i>Sequoia sempervirens</i> | 20                   | Good<br>(excellent) | Ocean View Park                |
| 81          | Evergreen pear<br><i>Pyrus kawakamii</i>     | 5                    | Good<br>(excellent) | More St. USDA                  |
| 82          | Pine<br><i>Pinus sp.</i>                     | 12                   | Good                | More St. USDA                  |
| 83          | Incense cedar<br><i>Calocedrus decurrens</i> | 4                    | Good<br>(excellent) | More St. USDA<br>New plant     |
| 84          | Purple leaf plum<br><i>Prunus sp.</i>        | 3                    | Good                | More St. USDA<br>Lichen study  |
| 85          | Coast redwood<br><i>Sequoia sempervirens</i> | 70                   | Good<br>(excellent) | More St. USDA                  |
| 86          | Incense cedar<br><i>Calocedrus decurrens</i> | 36                   | Good                | More St. USDA                  |
| 87          | Coast redwood<br><i>Sequoia sempervirens</i> | 23                   | Good<br>(excellent) | More St. USDA                  |
| 88          | Coast redwood<br><i>Sequoia sempervirens</i> | 22                   | Good<br>(excellent) | More St. USDA                  |
| 89          | Coast redwood<br><i>Sequoia sempervirens</i> | 14                   | Good<br>(excellent) | More St. USDA                  |
| 90          | Coast redwood<br><i>Sequoia sempervirens</i> | 20                   | Good<br>(excellent) | More St. USDA                  |
| 91          | Coast redwood<br><i>Sequoia sempervirens</i> | 20                   | Good<br>(excellent) | More St. USDA                  |
| 92          | Coast redwood<br><i>Sequoia sempervirens</i> | 33                   | Good<br>(excellent) | More St. USDA                  |
| 93          | Coast redwood<br><i>Sequoia sempervirens</i> | 22                   | Good<br>(excellent) | More St. USDA                  |
| 94          | Coast redwood<br><i>Sequoia sempervirens</i> | 40                   | Good<br>(excellent) | More St. USDA                  |
| 95          | Coast redwood<br><i>Sequoia sempervirens</i> | 40                   | Good<br>(excellent) | More St. USDA                  |
| 96          | Coast redwood<br><i>Sequoia sempervirens</i> | 46                   | Good<br>(excellent) | More St. USDA<br>26+20, 2 stem |
| 97          | Coast redwood<br><i>Sequoia sempervirens</i> | 30                   | Good<br>(excellent) | More St. USDA                  |
| 98          | Coast redwood<br><i>Sequoia sempervirens</i> | 22                   | Good<br>(excellent) | More St. USDA                  |
| 99          | Coast redwood<br><i>Sequoia sempervirens</i> | 30                   | Good<br>(excellent) | More St. USDA                  |

| Tree number | Common name (species name)                         | Diameter (inches) | Condition        | Notes                                  |
|-------------|--|-------------------|------------------|--|
| 100         | Coast redwood<br><i>Sequoia sempervirens</i>       | 32                | Good (excellent) | More St. USDA                          |
| 101         | Incense cedar<br><i>Calocedrus decurrens</i>       | 28                | Good             | Buchanan St. Island                    |
| 102         | Incense cedar<br><i>Calocedrus decurrens</i>       | 14                | Good             | Buchanan St. Island                    |
| 103         | Coast live oak<br><i>Quercus agrifolia</i>         | 13                | Good (excellent) | Buchanan St. Island<br>14+9, 2 stem    |
| 104         | Incense cedar<br><i>Calocedrus decurrens</i>       | 10                | Poor             | Buchanan St. Island                    |
| 105         | Incense cedar<br><i>Calocedrus decurrens</i>       | 20                | Good (excellent) | Buchanan St. Island                    |
| 106         | Incense cedar<br><i>Calocedrus decurrens</i>       | 38                | Good (excellent) | Buchanan St. Island<br>20+8, 2 stem    |
| 107         | Coast live oak<br><i>Quercus agrifolia</i>         | 2                 | Good (excellent) | Buchanan St. Island<br>New plant       |
| 108         | London plane tree<br><i>Platanus x. acerifolia</i> | 4                 | Good             | Buchanan St.                           |
| 109         | London plane tree<br><i>Platanus x. acerifolia</i> | 5                 | Good             | Buchanan St.                           |
| 110         | London plane tree<br><i>Platanus x. acerifolia</i> | 3                 | Good             | Buchanan St.                           |
| 111         | London plane tree<br><i>Platanus x. acerifolia</i> | 5                 | Good             | Buchanan St.                           |
| 112         | Coast live oak<br><i>Quercus agrifolia</i>         | 2                 | Good (excellent) | Buchanan St. Island<br>New plant       |
| 113         | Coast live oak<br><i>Quercus agrifolia</i>         | 2                 | Good (excellent) | Buchanan St. Island<br>New plant       |
| 114         | Atlas cedar<br><i>Cedrus atlantica</i>             | 100               | Good (excellent) | Buchanan St.<br>100+ stems, private    |
| 115         | London plane tree<br><i>Platanus x. acerifolia</i> | 4                 | Good             | Buchanan St.                           |
| 116         | London plane tree<br><i>Platanus x. acerifolia</i> | 3                 | Fair             | Buchanan St.                           |
| 117         | London plane tree<br><i>Platanus x. acerifolia</i> | 3                 | Fair             | Buchanan St.                           |
| 118         | London plane tree<br><i>Platanus x. acerifolia</i> | 4                 | Good             | Buchanan St.                           |
| 119         | Laurel leaf gun<br><i>Tristaniopsis laurina</i>    | 7                 | Good (excellent) | Buchanan St.                           |
| 120         | Laurel leaf gun<br><i>Tristaniopsis laurina</i>    | 7                 | Good (excellent) | Buchanan St.                           |
| 121         | Laurel leaf gun<br><i>Tristaniopsis laurina</i>    | 9                 | Good (excellent) | Buchanan St.                           |
| 122         | Coast live oak<br><i>Quercus agrifolia</i>         | 20                | Good (excellent) | Buchanan St.<br>20' from curb. Private |
| 123         | Incense cedar<br><i>Calocedrus decurrens</i>       | 2                 | Good (excellent) | Buchanan St.<br>New plant, private     |
| 124         | Incense cedar<br><i>Calocedrus decurrens</i>       | 3                 | Good (excellent) | Buchanan St.<br>New plant, private     |

| Tree number | Common name (species name)                         | Diameter (inches) | Condition        | Notes                            |
|-------------|--|-------------------|------------------|----------------------------------|
| 125         | Purple leaf plum<br><i>Prunus sp.</i>              | 8                 | Fair             | Buchanan St.                     |
| 126         | Purple leaf plum<br><i>Prunus sp.</i>              | 6                 | Fair             | Buchanan St.                     |
| 127         | Willow-leafed peppermint<br><i>Geijera</i>         | 26                | Good (excellent) | Buchanan St.                     |
| 128         | Incense cedar<br><i>Calocedrus decurrens</i>       | 10                | Good (excellent) | Buchanan St.                     |
| 129         | Incense cedar<br><i>Calocedrus decurrens</i>       | 10                | Good (excellent) | Buchanan St.                     |
| 130         | Incense cedar<br><i>Calocedrus decurrens</i>       | 12                | Good (excellent) | Buchanan St.                     |
| 131         | London plane tree<br><i>Platanus x. acerifolia</i> | 8                 | Good (excellent) | 1919 Buchanan St.                |
| 132         | London plane tree<br><i>Platanus x. acerifolia</i> | 7                 | Good (excellent) | Buchanan St.                     |
| 133         | London plane tree<br><i>Platanus x. acerifolia</i> | 9                 | Good (excellent) | Buchanan St.                     |
| 134         | Victorian box<br><i>Pittosporum undulatum</i>      | 12                | Good (excellent) | 1003 Buchanan St.                |
| 135         | Chines pistache<br><i>Pistachia chinense</i>       | 2                 | Good (excellent) | Buchanan St. Island<br>New plant |
| 136         | Chines pistache<br><i>Pistachia chinense</i>       | 2                 | Good (excellent) | Buchanan St. Island<br>New plant |
| 137         | Monterey pine<br><i>Pinus radiate</i>              | 24                | Good (excellent) | Fire station                     |
| 138         | Monterey pine<br><i>Pinus radiate</i>              | 18                | Good (excellent) | Fire station                     |
| 139         | Monterey pine<br><i>Pinus radiate</i>              | 20                | Good (excellent) | Fire station                     |
| 140         | Chinese Elm<br><i>Ulmus parvifolia</i>             | 3                 | Fair             | Civic center                     |
| 141         | Glossy privet<br><i>Ligustrum lucidum</i>          | 4                 | Fair             | Civic center                     |
| 142         | Glossy privet<br><i>Ligustrum lucidum</i>          | 6                 | Fair             | Civic center                     |
| 143         | Glossy privet<br><i>Ligustrum lucidum</i>          | 5                 | Fair             | Civic center                     |
| 144         | Glossy privet<br><i>Ligustrum lucidum</i>          | 6                 | Good             | Civic center                     |
| 145         | Glossy privet<br><i>Ligustrum lucidum</i>          | 10                | Good             | Civic center                     |
| 146         | Glossy privet<br><i>Ligustrum lucidum</i>          | 8                 | Good             | Civic center                     |
| 147         | Glossy privet<br><i>Ligustrum lucidum</i>          | 10                | Good             | Civic center                     |
| 148         | Trident maple<br><i>Acer buergerianum</i>          | 5                 | Good             | Civic center                     |
| 149         | Strawberry Tree<br><i>Arbutis unedo</i>            | 1                 | Good (excellent) | Buchanan St. Island<br>New plant |
| 150         | Strawberry Tree<br><i>Arbutis unedo</i>            | 1                 | Good (excellent) | Buchanan St. Island<br>New plant |



| Tree number | Common name<br>(species name)           | Diameter<br>(inches) | Condition           | Notes                            |
|-------------|---|----------------------|---------------------|----------------------------------|
| 151         | Strawberry Tree<br><i>Arbutis unedo</i> | 1                    | Good<br>(excellent) | Buchanan St. Island<br>New plant |
| 152         | Strawberry Tree<br><i>Arbutis unedo</i> | 1                    | Good<br>(excellent) | Buchanan St. Island<br>New plant |
| 153         | Strawberry Tree<br><i>Arbutis unedo</i> | 1                    | Good<br>(excellent) | Buchanan St. Island<br>New plant |
| 154         | Strawberry Tree<br><i>Arbutis unedo</i> | 1                    | Good<br>(excellent) | Buchanan St. Island<br>New plant |
| 155         | Strawberry Tree<br><i>Arbutis unedo</i> | 1                    | Good<br>(excellent) | Buchanan St. Island<br>New plant |
| 156         | Strawberry Tree<br><i>Arbutis unedo</i> | 1                    | Good<br>(excellent) | Buchanan St. Island<br>New plant |
| 157         | Strawberry Tree<br><i>Arbutis unedo</i> | 1                    | Good<br>(excellent) | Buchanan St. Island<br>New plant |
| 158         | Strawberry Tree<br><i>Arbutis unedo</i> | 1                    | Good<br>(excellent) | Buchanan St. Island<br>New plant |
| 159         | Strawberry Tree<br><i>Arbutis unedo</i> | 1                    | Good<br>(excellent) | Buchanan St. Island<br>New plant |
| 160         | Strawberry Tree<br><i>Arbutis unedo</i> | 1                    | Good<br>(excellent) | Buchanan St. Island<br>New plant |