

# ARBORIST REPORT

December 9, 2019  
4778.10

## PROJECT

3896 Stevens Creek Blvd  
San Jose, CA

## PREPARED FOR

Cypress Acquisitions, LLC

## PREPARED BY

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## INTRODUCTION AND OVERVIEW

HMH was contracted to complete a survey, assessment and arborist report for trees located within the limit of work illustrated on Exhibit A. The project site encompasses surface parking and structures including numerous retail centers, auto dealership, childcare and restaurants. It is approximately 5 acres. To the north is Stevens Creek Boulevard, to the south is additional retail and surface parking, to the west is Saratoga Avenue and to the east is Northlake Drive. Our scope of services includes locating, measuring DBH, assessing, and photographing the condition of all trees within the limit of work. Disposition and health recommendations are based on current site conditions. Site development/design may affect the preservation suitability.

## METHODOLOGY

Our tree survey work is a deliberate and systematic methodology for cataloging trees on site:

1. Identify each tree species.
2. Note each tree's location on a site map.
3. Measure each trunk circumference at 4.5' above grade per ISA standards.
4. Evaluate the health and structure of each tree using the following numerical standard:
  - 5 - A healthy, vigorous tree, reasonably free of disease, with good structure and form typical of the species.*
  - 4 - A tree with slight decline in vigor, small amount of twig dieback, minor structural defects that could be corrected.*
  - 3 - A tree with moderate vigor, moderate twig and small branch dieback, thinning of crown, poor leaf color, moderate structural defects that may that might be mitigated with care.*
  - 2 - A tree in decline, epicormic growth, extensive dieback of medium to large branches, significant structural defects that cannot be abated.*
  - 1 - A tree in severe decline, dieback of scaffold branches and or trunk, mostly epicormic growth; extensive structural defects that cannot be abated.*
  - 0 - Tree is dead.*

## SUMMARY OF FINDINGS

HMH conducted a tree inventory of 65 trees located within the limit of work outlined in Exhibit A. 41 of the trees inventoried are classified as Ordinance Trees Per the City of San Jose tree ordinance.

Ordinance Sized Trees are classified as:

- Single Trunk - 38 inches or more in circumference at 4 1/2 feet above ground, or
- Multi-trunk - The combined measurements of each trunk circumference, at 4 1/2 feet above ground, add up to 38 inches or more in circumference.

Table 1 - Tree Quantity Summary summarizes tree quantities by both species and size. Each species that was inventoried as part of this scope is included. This is a useful tool for analyzing the mixture of trees as part of the project. Roughly 75% of the trees are typically found on these types of development.

Table 2 - Tree Evaluation Summary lists each tree number, botanical name, common name, DBH, circumference, ordinance trees, health rating, preservation suitability, general notes and observations and recommendations. The size table is useful when calculating mitigation requirements in the case of tree removal as well as aiding in determining tree maturity.

See Exhibit A for Existing Tree Map

See Table 1 for Tree Quantity Summary by species and size.

See Table 2 for Tree Evaluation Summary for sizes, notes and recommendations regarding each tree.

## GENERAL OBSERVATIONS AND RECOMMENDATIONS

**Species:** *Magnolia grandiflora* (Magnolia)

**Quantity:** 18

**Observations / Recommendations:**

The Magnolia Trees are in fair to good shape. They have had their natural growth and canopy stunted due to the small tree well planting areas they reside in. This is typical for a parking lot. Acacia trees on the site are in moderate shape but showing some signs of stress. Properly pruned and watered these trees will likely maintain their current health and form.

**Species:** *Liquidambar styraciflua* (Sweetgum)

**Quantity:** 17

**Observations / Recommendations:**

The Sweetgum trees are quick growing trees with an aggressive root structure. There are signs of some crown die back and limb death in several them. Tree number 35 has lifted the sidewalk and is causing tripping and accessibility issues for the site. The seed pods can also be characterized as a nuisance.

**Species:** *Sequoia sempervirens* (Coast Redwood)

**Quantity:** 14

**Observations / Recommendations:**

The redwood trees are in good to moderate shape. They show signs of dieback or decline typical of this species around the bay area from years of drought. Tree 53 has multiple leaders and is co dominate. Many of them have been pruned up off buildings and ground creating a skirting effect that is not the natural form of the tree. If understory planting is done the redwood trees should be given additional supplemental irrigation through a separate irrigation valve.

**Species:** *Pyrus kawakamii* (Evergreen Pear)

**Quantity:** 1

**Observations / Recommendations:**

The Pear tree has poor structure and has been pruned off the building resulting in a lopsided canopy. These trees are also susceptible to fire blight and leaf spot. Removal is recommended.

**Species:** *Alianthus altissima* (Tree of Heaven)

**Quantity:** 1

**Observations / Recommendations:**

These trees are an invasive species that reseed and propagate freely. Removal is recommended.

**Species:** *Syagrus romanzoffiana* (Queen Palm)

**Quantity:** 4

**Observations / Recommendations:**

The Queen Palms are in good shape and could use some light structural pruning to clean them up. If desired these trees could be transplanted as part of the new landscape design.

**Species:** *Citrus Sp.* (Lemon Tree)

**Quantity:** 1

**Observations / Recommendations:**

The Lemon tree potentially was planted by a tenant and does not seem to be part of the original landscape design. It is fruit bearing however it has been neglected and has developed poor branching structure and is nutrient deficient.

**Species:** *Quercus agrifolia* (Coast Live Oak)

**Quantity:** 1

**Observations / Recommendations:**

The Oak is in moderate shape and health. Conflict with the adjacent overhead utilities has caused it to be topped and it has developed a slight lean in the main trunk. The adjacent redwood and walnut tree are crowding it as well. These conflicts will likely keep this tree from adjusting to a natural state.

**Species:** *Juglans nigra* (Black Walnut)

**Quantity:** 1

**Observations / Recommendations:**

The Black Walnut is likely a volunteer tree propagated from a tree nearby from seed pod. The tree has poor form and is crowded by the adjacent oak and ash tree. Removal is recommended.

**Species:** *Fraxinus uhdei* (Ash)

**Quantity:** 1

**Observations / Recommendations:**

The Ash tree is at the back of the retail building and has poor structure due to pruning and crowding from other trees. There is some crown dieback, a codominant branch structure and included bark.

**Species:** *Betula pendula* (Birch)

**Quantity:** 2

**Observations / Recommendations:**

Both trees have been topped and severely pruned and should be removed.

**Species:** *Acer palmatum* (Japanese Maple)

**Quantity:** 1

**Observations / Recommendations:**

The Maple tree is in moderate shape and could be restored to a salvageable specimen with some structure pruning and proper maintenance.

## RECOMMENDATIONS FOR TREE PROTECTION DURING CONSTRUCTION

**Site preparation:** All existing trees shall be fenced off 10' beyond the outside the drip line (foliar spread) of the tree. Alternatively, where this is not feasible, fence to the drip line of the tree. Where fencing is not possible, the trunk shall be protected straw waddle and orange snow fencing. The fence should be a minimum of six feet high, made of pig wire with steel stakes or any material superior in quality, such as cyclone fencing. Tree protection zone sign shall be affixed to fencing at appropriate intervals as determined by the arborist on site. If the fence is within the drip line of the trees, the foliar fringe shall be raised to offset the chance of limb breakage from construction equipment encroaching within the drip line. All contractors, subcontractors and other personnel shall be warned that encroachment within the fenced area is forbidden without the consent of the certified arborist on the job. This includes, but is not limited to, storage of lumber and other materials, disposal of paints, solvents or other noxious materials, parked cars, grading equipment or other heavy equipment. Penalties, based on the cost of remedial repairs and the evaluation guide published by the international society of arboriculture, shall be assessed for damages to the trees. See tree preservation detail for additional information, including tree protection zone sign.

**Grading/excavating:** All grading plans that specify grading within the drip line of any tree, or within the distance from the trunk as outlined in the site preparation section above when said distance is outside the drip line, shall first be reviewed by a certified arborist. Provisions for aeration, drainage, pruning, tunneling beneath roots, root pruning or other necessary actions to protect the trees shall be outlined by an arborist. If trenching is necessary within the area as described above, said trenching shall be undertaken by hand labor and dug directly beneath the trunk of the tree. All roots 2 inches or larger shall be tunneled under and other roots shall be cut smoothly to the trunk side of the trench. The trunk side should be draped immediately with two layers of untreated burlap to a depth of 3 feet from the surface. The burlap shall be soaked nightly and left in place until the trench is back filled to the original level. An arborist shall examine the trench prior to back filling to ascertain the number and size of roots cut, so as to suggest the necessary remedial repairs.

**Remedial repairs:** An arborist shall have the responsibility of observing all ongoing activities that may affect the trees, and prescribing necessary remedial work to ensure the health and stability of the trees. This includes, but is not limited to, all arborist activities brought out in the previous sections. In addition, pruning, as outlined in the "pruning standards" of the western chapter of the International Society of Arboriculture, shall be prescribed as necessary. Fertilizing, aeration, irrigation, pest control and other activities shall be prescribed according to the tree needs, local site requirements, and state agricultural pest control laws. All specifications shall be in writing. For pest control operations, consult the local county agricultural commissioner's office for individuals licensed as pest control advisors or pest control operators.

**Final inspection:** Upon completion of the project, the arborist shall review all work undertaken that may impact the existing trees. Special attention shall be given to cuts and fills, compacting, drainage, pruning and future remedial work. An arborist should submit a final report in writing outlining the ongoing remedial care following the final inspection.

## MAINTENANCE RECOMMENDATIONS FOR TREES TO REMAIN

Regular maintenance, designed to promote plant health and vigor, ensures longevity of existing trees. Regular inspections and the necessary follow-up care of mulching, fertilizing, and pruning, can detect problems and correct them before they become damaging or fatal.

**Tree Inspection:** Regular inspections of mature trees at least once a year can prevent or reduce the severity of future disease, insect, and environmental problems. During tree inspection, four characteristics of tree vigor should be examined: new leaves or buds, leaf size, twig growth, and absence of crown dieback (gradual death of the upper part of the tree). A reduction in the extension of shoots (new growing parts), such as buds or new leaves, is a fairly reliable cue that the tree's health has recently changed. Growth of the shoots over the past three years may be compared to determine whether there is a reduction in the tree's typical growth pattern. Further signs of poor tree health are trunk decay, crown dieback, or both. These symptoms often indicate problems that began several years before. Loose bark or deformed growths, such as trunk conks (mushrooms), are common signs of stem decay. Any abnormalities found during these inspections, including insect activity and spotted, deformed, discolored, or dead leaves and twigs, should be noted and observed closely.

**Mulching:** Mulch, or decomposed organic material, placed over the root zone of a tree reduces environmental stress by providing a root environment that is cooler and contains more moisture than the surrounding soil. Mulch can also prevent mechanical damage by keeping machines such as lawn mowers and string trimmers away from the tree's base. Furthermore, mulch reduces competition from surrounding weeds and turf. To be most effective, mulch should be placed 2 to 4 inches deep and cover the entire root system, which may be as far as 2 or 3 times the diameter of the branch spread of the tree. If the area and activities happening around the tree do not permit the entire area to be mulched, it is recommended that as much of the area under the drip line of the tree is mulched as possible. When placing mulch, care should be taken not to cover the actual trunk of the tree. This mulch-free area, 1 to 2 inches wide at the base, is sufficient to avoid moist bark conditions and prevent trunk decay. An organic mulch layer 2 to 4 inches deep of loosely packed shredded leaves, pine straw, peat moss, or composted wood chips is adequate. Plastic should not be used as it interferes with the exchange of gases between soil and air, which inhibits root growth. Thicker mulch layers, 5 to 6 inches deep or greater, may also inhibit gas exchange.

**Fertilization:** Trees require certain nutrients (essential elements) to function and grow. Urban landscape trees may be growing in soils that do not contain sufficient available nutrients for satisfactory growth and development. In certain situations, it may be necessary to fertilize to improve plant vigor. Fertilizing a tree can improve growth; however, if fertilizer is not applied wisely, it may not benefit the tree at all and may even adversely affect the tree. Mature trees making satisfactory growth may not require fertilization. When considering supplemental fertilizer, it is important to consider nutrients deficiencies and how and when to amend the deficiencies. Soil conditions, especially pH and organic matter content, vary greatly, making the proper selection and use of fertilizer a somewhat complex process. To that end, it is recommended that the soil be tested for nutrient content. A soil testing laboratory can give advice on application rates, timing, and the best blend of fertilizer for each tree and other landscape plants on site. Mature trees have expansive root systems that extend from 2 to 3 times the size of the leaf canopy. A major portion of actively growing roots is located outside the tree's drip line. Understanding the actual size and extent of a tree's root system before applying fertilizer is paramount to determine quantity, type and rate at which to best apply fertilizer. Always follow manufacturer recommendations for use and application.

**Pruning:** Pruning is often desirable or necessary to remove dead, diseased, or insect-infested branches and to improve tree structure, enhance vigor, or maintain safety. Because each cut has the potential to change the growth of (or cause damage to) a tree, no branch should be removed without reason. Removing foliage from a tree has two distinct effects on growth: (1) it reduces photosynthesis and, (2) it may reduce overall growth. Pruning should always be performed sparingly. Caution must be taken not to over-prune as a tree may not be able to gather and process enough sunlight to survive. Pruning mature trees may require special equipment, training, and experience. Arborists are equipped to provide a variety of services to assist in performing the job safely and reducing risk of personal injury and property damage (*See also Addendum A - ANSI A300 Part 1 Pruning Standards*).

**Removal:** There are circumstances when removal is necessary. An arborist can help decide whether or not a tree should be removed. Professionally trained arborists have the skills and equipment to safely and efficiently remove trees. Removal is recommended when a tree: (1) is dead, dying, or considered irreparably hazardous; (2) is causing an obstruction or is crowding and causing harm to other trees and the situation is impossible to correct through pruning; (3) is to be replaced by a more suitable specimen, and; (4) should be removed to allow for construction. Pruning or removing trees, especially large trees, can be dangerous work. It should be performed only by those trained and equipped to work safely in trees.

## TERMS AND CONDITIONS

The following terms and conditions apply to all oral and written reports and correspondence pertaining to consultations, inspections and activities of HMM.

1. The scope of any report or other correspondence is limited to the trees and conditions specifically mentioned in those reports and correspondence. HMM assumes no liability for the failure of trees or parts of trees, either inspected or otherwise. HMM assumes no responsibility to report on the condition of any tree or landscape feature not specifically requested by the named client.
2. No tree described in this report was climbed, unless otherwise stated. HMM does not take responsibility for any defects, which could have only been discovered by climbing. A full root collar inspection, consisting of excavating the soil around the tree to uncover the root collar and major buttress roots was not performed unless otherwise stated. HMM does not take responsibility for any root defects, which could only have been discovered by such an inspection.
3. HMM shall not be required to provide further documentation, give testimony, be deposed, or attend court by reason of this appraisal or report unless subsequent contractual arrangements are made, including payment of additional fees for such services as described by HMM or in the schedule of fees or contract.
4. HMM guarantees no warranty, either expressed or implied, as to the suitability of the information contained in the reports for any reason. It is the responsibility of the client to determine applicability to his/her case.
5. Any report and the values, observations and recommendations expressed therein represent the professional opinion of HMM, and the fee for services is in no manner contingent upon the reporting of a specified value nor upon any particular finding to be reported.
6. Any photographs, diagrams, graphs, sketches or other graphic material included in any report, being intended solely as visual aids, are not necessarily to scale and should not be construed as engineering reports or surveys, unless otherwise noted in the report. Any reproductions of graphic material or the work produced by other persons, is intended solely for clarification and ease of reference. Inclusion of said information does not constitute a representation by HMM as to the sufficiency or accuracy of that information.
7. Trees can be managed, but they cannot be controlled. To live near trees is to accept some degree of risk. The only way to eliminate all risk associated with trees is to eliminate all trees.



**TABLE 1 - TREE QUANTITY SUMMARY**

| <b>Tree Quantity by Species</b> |                 |                  |
|---------------------------------|-----------------|------------------|
| <b>Species</b>                  | <b>Quantity</b> | <b>% of Site</b> |
| <i>Aliaanthus altissima</i>     | 1               | 2%               |
| <i>Acer Palmatum</i>            | 1               | 2%               |
| <i>Betula Pendula</i>           | 2               | 3%               |
| <i>Citrus Sp.</i>               | 1               | 2%               |
| <i>Fraxinus uhdei</i>           | 2               | 3%               |
| <i>Juglans nigra</i>            | 1               | 2%               |
| <i>Liquidambar styraciflua</i>  | 17              | 26%              |
| <i>Magnolia grandiflora</i>     | 18              | 28%              |
| <i>Platanus x acerifolia</i>    | 2               | 3%               |
| <i>Pyrus kawakamii</i>          | 1               | 2%               |
| <i>Quercus agrifolia</i>        | 1               | 2%               |
| <i>Sequoia sempervirens</i>     | 14              | 22%              |
| <i>Syagrus romanzoffiana</i>    | 4               | 6%               |
| <b>Total Trees</b>              | <b>65</b>       | <b>100%</b>      |

## TABLE 2 - TREE EVALUATION SUMMARY

Prepared By: William Sowa ISA Certified Arborist WE-12270A

**DBH MEASUREMENT HEIGHT: 54"**

Date of Evaluation: 12/06/2019

| Suitability for Preservation is based on the following  |   |  |
|---|---|--|
| Good - Trees with good health and structural stability that have the potential for longevity at the site.   |   |  |
| Moderate - Trees in somewhat declining health and/or exhibits structural defects that cannot be abated with treatment. Trees will require more intense management and will have a shorter lifespan than those in the 'Good' category. |   |  |
| Poor - Trees in poor health or with significant structural defects that cannot be mitigated. Tree is expected to decline, regardless of treatment.  |   |  |
| Health Rating   |   |  |
| 5   | A healthy, vigorous tree, reasonably free of disease, with good structure and form typical of the species.  |  |
| 4   | A tree with slight decline in vigor, small amount of twig dieback, minor structural defects that could be corrected.  |  |
| 3   | A tree with moderate vigor, moderate twig and small branch dieback, thinning of crown, poor leaf color, moderate structural defects that may that might be mitigated with care. |  |
| 2   | A tree in decline, epicormic growth, extensive dieback of medium to large branches, significant structural defects that cannot be abated.                                       |  |
| 1   | A tree in severe decline, dieback of scaffold branches and or trunk, mostly epicormic growth; extensive structural defects that cannot be abated.                               |  |
| 0   | Tree is dead.   |  |
| Abbreviations and Definitions   |   |  |
| CD  | Codominant branches   | Forked branches nearly the same size in diameter, arising from a common junction an lacking a normal branch union.   |
| CDB   | Dieback in Crown  | Condition where branches in the tree crown die from the tips toward the center.  |
| CR  | CR  | Tree is bounded closely by one or more of the following: structure, tree, Etc.   |
| D   | Decline   | Tree shows obvious signs of decline, which may be indicative of the presence of multiple biotic and abiotic disorders.   |
| DBH   | Diameter at Breast Height   | Measurement of tree diameter in inches. Measurement height varies by City and is noted above.  |
| EG  | Epicormic Growth  | Watersprouting on trunk and main leaders. Typically indicative of tree stress.   |
| EH  | Exposed Heartwood   | Exposure of the tree's heartwood is typically seen as an open wound that leaves a tree more susceptible to pathogens, disease or infection.  |
| H   | Hazardous   | A tree that in it's current condition, presents a hazard.  |
| HD  | Headed  | Poor pruning practice of cutting back branches. Often practiced under utility lines to limit tree height.  |
| IB  | Included Bark   | Structural defect where bark is included between the branch attachment so the wood can't join. Such defect can have a higher probability of failure.   |
| LC  | Low crotch  | Multiple central leaders originating below the DBH measurement site.   |
| LN  | Leaning Tree  | Tree leaning, see notes for severity.  |
| ML  | Multiple Leaders  | More than one upright primary stem   |
| PT  | Phototropism  | Tree exhibits phototropic growth habits. Reduced trunk taper, misshapen trunk and canopy growth are examples of this growth habit.   |
| S   | Suckers   | Shoot arising from the roots.  |
| SD  | Structural Defects  | Naturally or secondary conditions including cavities, poor branch attachments, cracks, or decayed wood in any part of the tree that may contribute to structural failure.  |
| SE  | Severe  | Indicates the severity of the following term.  |
| SL  | Slight  | Indicates the mildness of the following term.  |
| SR  | Surface Roots   | Roots visible at finished grade.   |
| ST  | Stress  | Environmental factor inhibiting regular tree growth. Includes drought, salty soils, nitrogen and other nutrient deficiencies in the soil.  |
| WU  | Weak Union  | Weak union or fork in tree branching structure.  |
|   | Ordinance Tree  | Ordinance Trees. A significant-size tree is: Single Trunk - 38 inches or more in circum-ference at 4 ½ feet above ground; or Multi-trunk - The combined measurements of each trunk circumference (at 4 ½ feet above ground) add up to 38 inches or more. |

| TREE # | BOTANICAL NAME               | COMMON NAME    | DBH (INCHES) | CIRCUMFERENCE (INCHES) | ORDINANCE TREE | HEALTH | NOTES  |
|--------|------------------------------|----------------|--------------|------------------------|----------------|--------|--|
| 1      | <i>Syagrus romanzoffiana</i> | Queen Palm     | 13.3         | 42                     | YES            | 4      | Good vigor, fair form, young tree, easily transplantable.  |
| 2      | <i>Syagrus romanzoffiana</i> | Queen Palm     | 12.9         | 41                     | YES            | 4      | Good vigor, fair form, young tree, easily transplantable.  |
| 3      | <i>Syagrus romanzoffiana</i> | Queen Palm     | 13.7         | 43                     | YES            | 4      | Good vigor, fair form, young tree, easily transplantable.  |
| 4      | <i>Syagrus romanzoffiana</i> | Queen Palm     | 12           | 38                     | YES            | 4      | Good vigor, fair form, young tree, easily transplantable.  |
| 5      | <i>Magnolia grandiflora</i>  | Magnolia       | 12.5         | 39                     | YES            | 3      | Fair vigor, fair form, multi leader at 6 feet, heavily pruned in past.   |
| 6      | <i>Magnolia grandiflora</i>  | Magnolia       | 14.5         | 46                     | YES            | 3      | Fair vigor, fair form, poor crotch at 15 feet.   |
| 7      | <i>Magnolia grandiflora</i>  | Magnolia       | 16           | 50                     | YES            | 4      | Good vigor, fair form.   |
| 8      | <i>Platanus x acerifolia</i> | Sycamore       | 16           | 50                     | YES            | 3      | Good vigor, fair form, raised canopy, in small planting pit,   |
| 9      | <i>Platanus x acerifolia</i> | Sycamore       | 19.5         | 61                     | YES            | 3      | Good vigor, fair form, raised canopy, in small planting pit, hanger in tree, minor decay in limbs.                         |
| 10     | <i>Magnolia grandiflora</i>  | Magnolia       | 12           | 38                     | YES            | 4      | Good vigor, fair form, multi leader at 6 feet, small planting pit,damaging concrete  |
| 11     | <i>Magnolia grandiflora</i>  | Magnolia       | 13           | 41                     | YES            | 4      | Good vigor, fair form, multi leader at 6 feet, small planting pit,damaging concrete  |
| 12     | <i>Magnolia grandiflora</i>  | Magnolia       | 20           | 63                     | YES            | 3      | Fair vigor, poor form, multi leader at 1 foot with included bark, bleeding at base, small planting pit, damaging concrete. |
| 13     | <i>Alianthus altissima</i>   | Tree of heaven | 20.9         | 66                     | YES            | 3      | Fair vigor, poor form, multi leader at base, invasive, damaging concrete.  |
| 14     | <i>Sequoia sempervirens</i>  | Redwood        | 20.5         | 64                     | YES            | 3      | Fair-poor vigor, fair form, declining top, in raised planter, damaging planter.  |
| 15     | <i>Sequoia sempervirens</i>  | Redwood        | 20.7         | 65                     | YES            | 3      | Fair vigor, fair form, slightly drought stressed, in raised planter, damaging planter.                                     |
| 16     | <i>Sequoia sempervirens</i>  | Redwood        | 29.5         | 93                     | YES            | 4      | Good vigor, good form, in raised planter, damaging planter.  |
| 17     | <i>Pyrus kawakamii</i>       | Evergreen pear | 11           | 35                     |                | 3      | Fair-poor vigor, fair form, codominant at 6 feet, leans away from building, leaf spot and fire blight.                     |
| 18     | <i>Sequoia sempervirens</i>  | Redwood        | 25.3         | 79                     | YES            | 4      | Good vigor, good form, in raised planter, damaging planter.  |
| 19     | <i>Magnolia grandiflora</i>  | Magnolia       | 12.5         | 39                     | YES            | 3      | Fair vigor, fair form heavily pruned, minor decay in limbs, small planting pit.  |
| 20     | <i>Magnolia grandiflora</i>  | Magnolia       | 23           | 72                     | YES            | 3      | Fair vigor, fair form, heavily pruned, minor decay in limbs, small planting pit.   |
| 21     | <i>Magnolia grandiflora</i>  | Magnolia       | 7.5          | 24                     |                | 2      | Poor vigor, poor form, large amount of die back, in decline.   |

| TREE # | BOTANICAL NAME                 | COMMON NAME | DBH<br>(INCHES) | CIRCUMFERENCE<br>(INCHES) | ORDINANCE TREE | HEALTH | NOTES  |
|--------|--------------------------------|-------------|-----------------|---------------------------|----------------|--------|--|
| 22     | <i>Magnolia grandiflora</i>    | Magnolia    | 13.2            | 41                        | YES            | 3      | Good vigor, fair form, minor die back, small planting area.  |
| 23     | <i>Magnolia grandiflora</i>    | Magnolia    | 10.5            | 33                        |                | 3      | Good vigor, fair form, 4 feet from sidewalk,   |
| 24     | <i>Magnolia grandiflora</i>    | Magnolia    | 12.3            | 39                        | YES            | 3      | Good vigor, fair form, 4 feet from sidewalk,   |
| 25     | <i>Magnolia grandiflora</i>    | Magnolia    | 7.6             | 24                        |                | 3      | Fair vigor, poor form, heavily suppressed, codominant at 5 feet with a poor crotch formation                           |
| 26     | <i>Sequoia sempervirens</i>    | Redwood     | 27.1            | 85                        | YES            | 3      | Fair-poor vigor, fair form, pruned on 1 side for utilities, drought stressed, sidewalk near tree replaced in past,     |
| 27     | <i>Sequoia sempervirens</i>    | Redwood     | 33.1            | 104                       | YES            | 3      | Fair-poor vigor, fair form, pruned on 1 side for utilities, drought stressed, sidewalk near tree replaced in past,     |
| 28     | <i>Sequoia sempervirens</i>    | Redwood     | 25.2            | 79                        | YES            | 3      | Fair-poor vigor, fair form, droughtgt stressed.  |
| 29     | <i>Liquidambar styraciflua</i> | Liquidambar | 16.5            | 52                        | YES            | 3      | Fair vigor, poor form, heavily suppressed by redwoods, history of limb loss.   |
| 30     | <i>Liquidambar styraciflua</i> | Liquidambar | 14.3            | 45                        | YES            | 3      | Fair vigor, poor form, heavily suppressed by redwoods, history of limb loss.   |
| 31     | <i>Liquidambar styraciflua</i> | Liquidambar | 12.2            | 38                        | YES            | 3      | Fair vigor, poor form, poor crotch formations, suppressed, history of limb loss.                                       |
| 32     | <i>Liquidambar styraciflua</i> | Liquidambar | 11.7            | 37                        |                | 3      | Fair vigor, poor form, poor crotch formations, suppressed, history of limb loss.                                       |
| 33     | <i>Liquidambar styraciflua</i> | Liquidambar | 8.3             | 26                        |                | 3      | Fair vigor, poor form, poor crotch formations, suppressed, history of limb loss.                                       |
| 34     | <i>Liquidambar styraciflua</i> | Liquidambar | 8.8             | 28                        |                | 3      | Poor-fair vigor, poor fomr, poor crotch formations, suppressed, history of limb loss, lifting walkway, in decline.     |
| 35     | <i>Liquidambar styraciflua</i> | Liquidambar | 16              | 50                        | YES            | 3      | Poor-fair vigor, poor fomr, poor crotch formations, suppressed, history of limb loss, lifting walkway, in decline.     |
| 36     | <i>Magnolia grandiflora</i>    | Magnolia    | 12.9            | 41                        | YES            | 3      | Fair vigor, poor form, leans north east, heavily pruned.   |
| 37     | <i>Magnolia grandiflora</i>    | Magnolia    | 17.1            | 54                        | YES            | 3      | Good vigor, fair form, codominant at 6 feet.   |
| 38     | <i>Magnolia grandiflora</i>    | Magnolia    | 11.5            | 36                        |                | 3      | Good vigor, fair form, codominant at 6 feet.   |
| 39     | <i>Magnolia grandiflora</i>    | Magnolia    | 11.4            | 36                        |                | 3      | Fair vigor, fair form, codominant at 6 feet, minor die back in canopy.   |
| 40     | <i>Magnolia grandiflora</i>    | Magnolia    | 31.7            | 100                       | YES            | 2      | Fair-poor vigor, poor form, codominant at 1 foot with included bark, heavy surface roots damaging parking lot, hazard. |
| 41     | <i>Sequoia sempervirens</i>    | Redwood     | 25.8            | 81                        | YES            | 4      | Fair vigor, good form, slightly drought stressed.  |
| 42     | <i>Sequoia sempervirens</i>    | Redwood     | 22.2            | 70                        | YES            | 4      | Fair vigor, fair form, slightly drought stressed.  |

| TREE # | BOTANICAL NAME                 | COMMON NAME    | DBH<br>(INCHES) | CIRCUMF-<br>ERENCE<br>(INCHES) | ORDINANCE TREE | HEALTH | NOTES  |
|--------|--------------------------------|----------------|-----------------|--------------------------------|----------------|--------|--|
| 43     | <i>Sequoia sempervirens</i>    | Redwood        | 20              | 63                             | YES            | 4      | Good vigor, good form.   |
| 44     | <i>Sequoia sempervirens</i>    | Redwood        | 32.8            | 103                            | YES            | 4      | Good vigor, fair form, pruned on one side for utilities.   |
| 45     | <i>Quercus agrifolia</i>       | Coast live oak | 10.5            | 33                             |                | 3      | Fair vigor, poor form, topped for utilities, leans towards street, suppressed.   |
| 46     | <i>Juglans nigra</i>           | Black walnut   | 7.9             | 25                             |                | 3      | Fair vigor, poor form, topped for utilities.   |
| 47     | <i>Fraxinus uhdei</i>          | Ash            | 24.1            | 76                             | YES            | 3      | Fair vigor, poor form, topped for utilities, codominant at 3 feet with included bark.                                    |
| 48     | <i>Acer Palmatum</i>           | Japanese Maple | 6               | 19                             |                | 2      |  |
| 49     | <i>Betula Pendula</i>          | Birch          | 3               | 9                              |                | 2      | poor structure, topped and pruned severely   |
| 50     | <i>Betula Pendula</i>          | Birch          | 4               | 13                             |                | 2      | poor structure, topped and pruned severely   |
| 51     | <i>Sequoia sempervirens</i>    | Redwood        | 28.6            | 90                             | YES            | 3      | Fair vigor, fair form, girdling root at base, small planting pit, codominant at 6 feet, tip die back, damaging concrete. |
| 52     | <i>Sequoia sempervirens</i>    | Redwood        | 24.3            | 76                             | YES            | 3      | Good vigor, fair form, codominant at 8 feet, small planting pit, damaging concrete.                                      |
| 53     | <i>Sequoia sempervirens</i>    | Redwood        | 94.8            | 298                            | YES            | 3      | Fair-poor vigor, fair form, drought stressed.  |
| 54     | <i>Liquidambar styraciflua</i> | Liquidambar    | 10.4            | 33                             |                | 3      | Fair-poor vigor, fair form, drought stressed.  |
| 55     | <i>Liquidambar styraciflua</i> | Liquidambar    | 9.5             | 30                             |                | 2      | Fair-poor vigor, poor form, multi leader at base, each leader suppresses each other, drought stressed.                   |
| 56     | <i>Liquidambar styraciflua</i> | Liquidambar    | 12.3            | 39                             | YES            | 3      | Fair vigor, poor form, tall for DBH, small planting area, damaging pavement.   |
| 57     | <i>Liquidambar styraciflua</i> | Liquidambar    | 10.2            | 32                             |                | 3      | Poor vigor, poor form, suppressed, tall for DBH.   |
| 58     | <i>Liquidambar styraciflua</i> | Liquidambar    | 10.9            | 34                             |                | 3      | Poor-fair vigor, poor form, suppressed, tall for DBH, abundance of dead wood, damaging concrete.                         |
| 59     | <i>Liquidambar styraciflua</i> | Liquidambar    | 7.9             | 25                             |                | 2      | Poor-fair vigor, poor form, codominant at 15 feet with poor crotch formation, abundance of dead wood, damaging concrete. |
| 60     | <i>Liquidambar styraciflua</i> | Liquidambar    | 11.4            | 36                             |                | 3      | Fair vigor, poor form, tall for DBH, codominant at 20 feet, damaging concrete.   |
| 61     | <i>Liquidambar styraciflua</i> | Liquidambar    | 9               | 28                             |                | 3      | Poor vigor, poor form, suppressed, tall for DBH.   |
| 62     | <i>Liquidambar styraciflua</i> | Liquidambar    | 8               | 25                             |                | 3      | Fair vigor, poor form, tall for DBH, poor crotches.  |
| 63     | <i>Liquidambar styraciflua</i> | Liquidambar    | 10              | 31                             |                | 3      | Fair-poor vigor, poor form, tall for DBH, poor crotches.   |

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