

Tree Inventory, Assessment
and
Protection Report

222 E. 4th Street
San Mateo, CA

July 17, 2020
Revised October 20, 2021

Prepared for:

Lane Partners, LLC

Prepared By:

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ASCA - Registered Consulting Arborist ® #496
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Monarch Consulting Arborists

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San Mateo

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Report

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Summary

There are no “Heritage Trees” as defined by the ordinance and all the trees are “Street Trees” except one (#11). The inventory contains thirty-nine (39) trees comprised of four different species. There are five tulip poplar (*Liriodendron tulipifera*), eleven olives (*Olea eurpaea*), seventeen hackberry (*Celtis occidentalis*), and six Brisbane box (*Lophostemon confertus*). Most of the tree are in fair condition with thirteen good, one poor, two very poor, and the remaining twenty-three in fair shape and most have fair suitability for preservation except for the tulip poplars. All the trees will be highly impacted and are proposed to be removed. No tree protection is warranted. The average L/U Value was calculated to be 4.079.

Introduction

Background

Lane Partners, LLC asked me to assess the site, trees, and proposed footprint plan, and to provide a report with my findings and recommendations to help satisfy planning requirements.

Assignment

- Provide an arborist’s report that includes an assessment of the trees within the project area and on the adjacent sites. The assessment is to include the species, size (trunk diameter), condition (health, structure, and form), and suitability for preservation ratings.
- Provide tree protection specifications, guidelines, and expected impact ratings for trees that may be affected by the project.
- Provide LU values according to the City of San Mateo ordinance 27.71.150.



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Limits of the assignment

- The information in this report is limited to the condition of the trees and site during my inspection on July 15, 2020. No tree risk assessments were performed.
- Only the landscape plans were provided for this assignment.

Table 1: Plans Reviewed Checklist

| Plan | Date | Sheet | Reviewed | Source | Notes |
|--|----------------|---------------------|----------|-------------------------------------|-------|
| Existing Site Topographic Map or A.L.T.A with tree locations | June 2019 | | 1 Yes | Kier + Wright | |
| Proposed Sit Plan | | | No | | |
| Demolition Plan | | | No | | |
| Construction Staging | | | No | | |
| Grading and Drainage | | | No | | |
| Utility Plan and Hook-up locations | | | No | | |
| Exterior Elevations | | | No | | |
| Landscape Plan | March 19, 2021 | L-100, L-101, L-102 | Yes | Andrea Cochrane Landscape Architect | |
| Irrigation Plan | | | No | | |
| T-1 Tree Protection Plan | | | No | | |

Purpose and use of the report

The report is intended to identify all the trees within the plan area that could be affected by a project. The report is to be used by the property owners, owner’s agents, and the City of San Mateo as a reference for existing tree and site conditions to help satisfy planning requirements.



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Observations

Tree Inventory

The inventory contains all the trees six inches in diameter and greater measured at forty-eight inches above grade. The City of San Mateo ordinance 13.52.020 defines “Heritage Trees” as the following:

13.52.020 Definition

- A. Heritage tree is any of the following:
1. Any bay (*Umbellularia californica*), buckeye (*Aesculus spp.*), oak (*Quercus spp.*), cedar (*Cedrus spp.*) or redwood (*Sequoia sp.*) tree that has a diameter of ten (10) inches or more measured at forty-eight (48) inches above natural grade.
 2. Any tree or stand of trees designated by resolution of the City Council to be of special historical value or of significant community benefit.
 3. A stand of trees, the nature of which makes each dependent on the others for survival.
 4. Any other tree with a trunk diameter of sixteen (16) inches or more, measured at forty-eight (48) inches above natural grade.

There are no “Heritage Trees” as defined by the ordinance and all the trees are “Street Trees” except one in a container (#11). The trees are all located around the perimeter of the property on 4th, 5th, N. Ellsworth, and B streets.

The inventory contains thirty-nine (39) trees comprised of four different species. There are five tulip poplar (*Liriodendron tulipifera*), eleven olives (*Olea eurpaea*), seventeen hackberry (*Celtis occidentalis*), and six Brisbane box (*Lophostemon confertus*) (Appendix B).

The trees are arbitrarily numbered (no affixed number tags were used for this assignment) around the site counter clockwise starting at the corner of E. 4th Street and B Street (Appendix A).



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Analysis

27.71.150 PRESERVATION OF EXISTING TREES.

Landscape Unit Value (LU)

1. The tree species, condition, and location values of the trees shall be based on an evaluation by an experienced landscape appraiser recognized by the American Society of Consulting Arborists utilizing the most recent Guide for Plant Appraisal, published by the Council of Tree and Landscape Appraisers; and approved by the Zoning Administrator.
2. Trees not within the allowable building area shall receive a location factor of 1.0 (100%). Trees located within the allowable building area shall receive a location factor of .70 (70%).
3. Trees designated as heritage trees shall receive a bonus percentage value of 1.25 (125%). Trees located within the allowable building area shall receive a location factor of .70 (70%).
4. Trees designated as heritage trees shall receive a bonus percentage value of 1.25 (125%).

All existing trees to be removed shall be given a LU value based upon the following calculation:

(species value% X condition value% X location value%) /.35 X (caliper inches x bldg./ setback% x heritage tree%) = LU

Tree condition ratings and percentages are defined in the “Condition Rating” section of this report. The location rating were established at 63 percent (the average of site (90%), placement (50%), and contribution (50%%).

The average L/U Value is 4.079 (Appendix B).



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222 EAST 4TH
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ISSUES AND REVISIONS

| No. | Date | Description |
|-----|----------|-----------------------------|
| A | 05/05/20 | Pre-Application Set |
| B | 10/21/20 | Pre-Application Resubmittal |
| C | 03/19/21 | Pre-Application Resubmittal |
| D | 10/15/21 | Pre-Application Resubmittal |
| E | 02/04/22 | Pre-Application Resubmittal |

PROJECT NUMBER
16010.00

SHEET TITLE
TREE INVENTORY

SCALE
NA

SHEET NUMBER

L-003

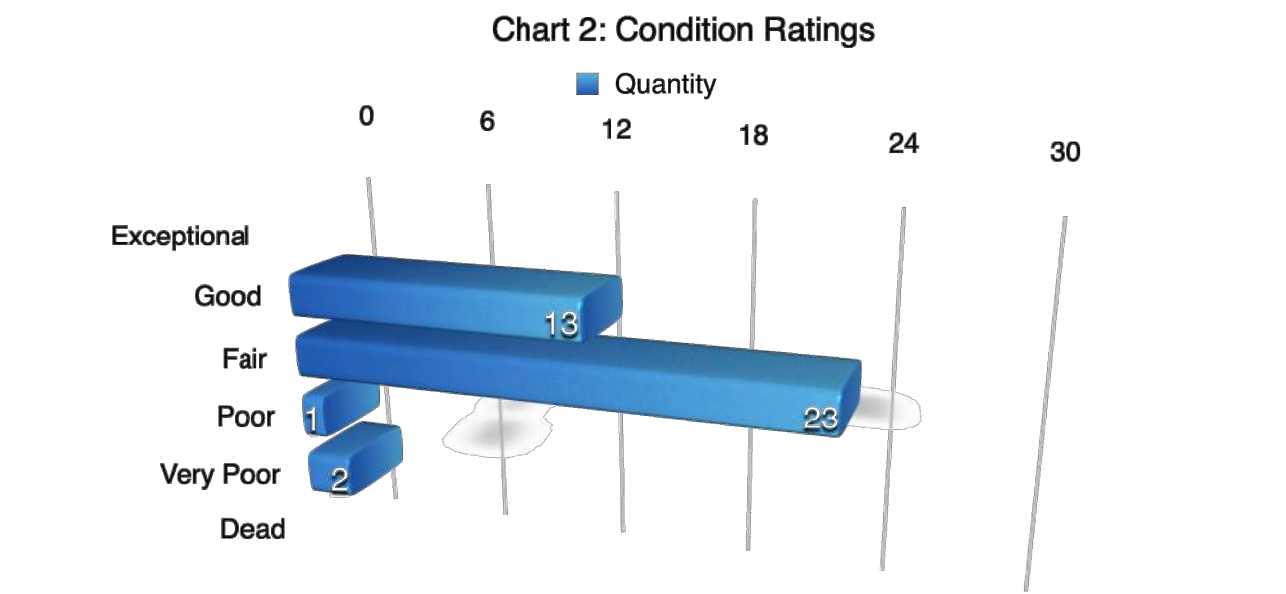
Discussion

Condition Rating

A tree's condition is a determination of its overall health, structure, and form (ISA 2018). The assessment considered all three characteristics for a combined condition rating.

- 100% - Exceptional = Good health and structure with significant size, location or quality.
- 61-80% - Good = Normal vigor, well-developed structure, function and aesthetics not compromised with good longevity for the site.
- 41-60 % - Fair = Reduced vigor, damage, dieback, or pest problems, at least one significant structural problem or multiple moderate defects requiring treatment. Major asymmetry or deviation from the species normal habit, function and aesthetics compromised.
- 21-40% - Poor = Unhealthy and declining appearance with poor vigor, abnormal foliar color, size or density with potential irreversible decline. One serious structural defect or multiple significant defects that cannot be corrected and failure may occur at any time. Significant asymmetry and compromised aesthetics and intended use.
- 6-20% - Very Poor = Poor vigor and dying with little foliage in irreversible decline. Severe defects with the likelihood of failure being probable or imminent. Aesthetically poor with little or no function in the landscape.
- 0-5% - Dead/Unstable = Dead or imminently ready to fail.

Most of the tree are in fair condition with thirteen good, one poor, two very poor, and the remaining twenty-three in fair shape.



Glossary of Terms

Defect: An imperfection, weakness, or lack of something necessary. In trees defects are injuries, growth patterns, decay, or other conditions that reduce the tree's structural strength.

Diameter at breast height (DBH): Measures at 1.4 meters (4.5 feet) above ground in the United States, Australia (arboriculture), New Zealand, and when using the Guide for Plant Appraisal, 9th edition; at 1.3 meters (4.3 feet) above ground in Australia (forestry), Canada, the European Union, and in UK forestry; and at 1.5 meters (5 feet) above ground in UK arboriculture.

Drip Line: Imaginary line defined by the branch spread or a single plant or group of plants. The outer extent of the tree crown.

Mechanical damage: Physical damage caused by outside forces such as cutting, chopping or any mechanized device that may strike the tree trunk, roots or branches.

Scaffold branches: Permanent or structural branches that for the scaffold architecture or structure of a tree.

Straw wattle: also known as straw worms, bio-logs, straw noodles, or straw tubes are man made cylinders of compressed, weed free straw (wheat or rice), 8 to 12 inches in diameter and 20 to 25 feet long. They are encased in jute, nylon, or other photo degradable materials, and have an average weight of 35 pounds.

Tree Protection Zone (TPZ): Defined area within which certain activities are prohibited or restricted to prevent or minimize potential injury to designated trees, especially during construction or development.

Tree Risk Assessment: Process of evaluating what unexpected things could happen, how likely it is, and what the likely outcomes are. In tree management, the systematic process to determine the level of risk posed by a tree, tree part, or group of trees.

Trunk: Stem of a tree.

Volunteer: A tree, not planted by human hands, that begins to grow on residential or commercial property. Unlike trees that are brought in and installed on property, volunteer trees usually spring up on their own from seeds placed onto the ground by natural causes or accidental transport by people. Normally, volunteer trees are considered weeds and removed, but many desirable and attractive specimens have gone on to become permanent residents on many public and private grounds.

Suitability for Preservation

A tree's suitability for preservation is determined based on its condition (health, structure, form), age, species, tolerance to disturbance, external and functional limitations, and potential longevity for the site using a scale of good, fair, or poor. The following list defines the rating scale (Fite, K, and Smiley, E. T., 2016):

- Good = Trees with good health, structural stability and longevity after construction.
- Fair = Trees with fair health and/or structural defects that may be mitigated through treatment. These trees require more intense management and monitoring, before, during, and after construction, and may have shorter life expectancy after development.
- Poor = Trees are expected to decline during or after construction regardless of management. The species or individual may possess characteristics that are incompatible or undesirable in landscape settings or unsuited for the intended use of the site.

Most of the trees have fair suitability for preservation except for the tulip poplars. All the tulip poplars are poorly suited for retention due to pest problems and their condition. At least three olives are in raided planters with two at the corner of 4th and B and one just inside the property near the corner of 4th and N. Ellsworth. These trees have good suitability for retention or could successfully be relocated.

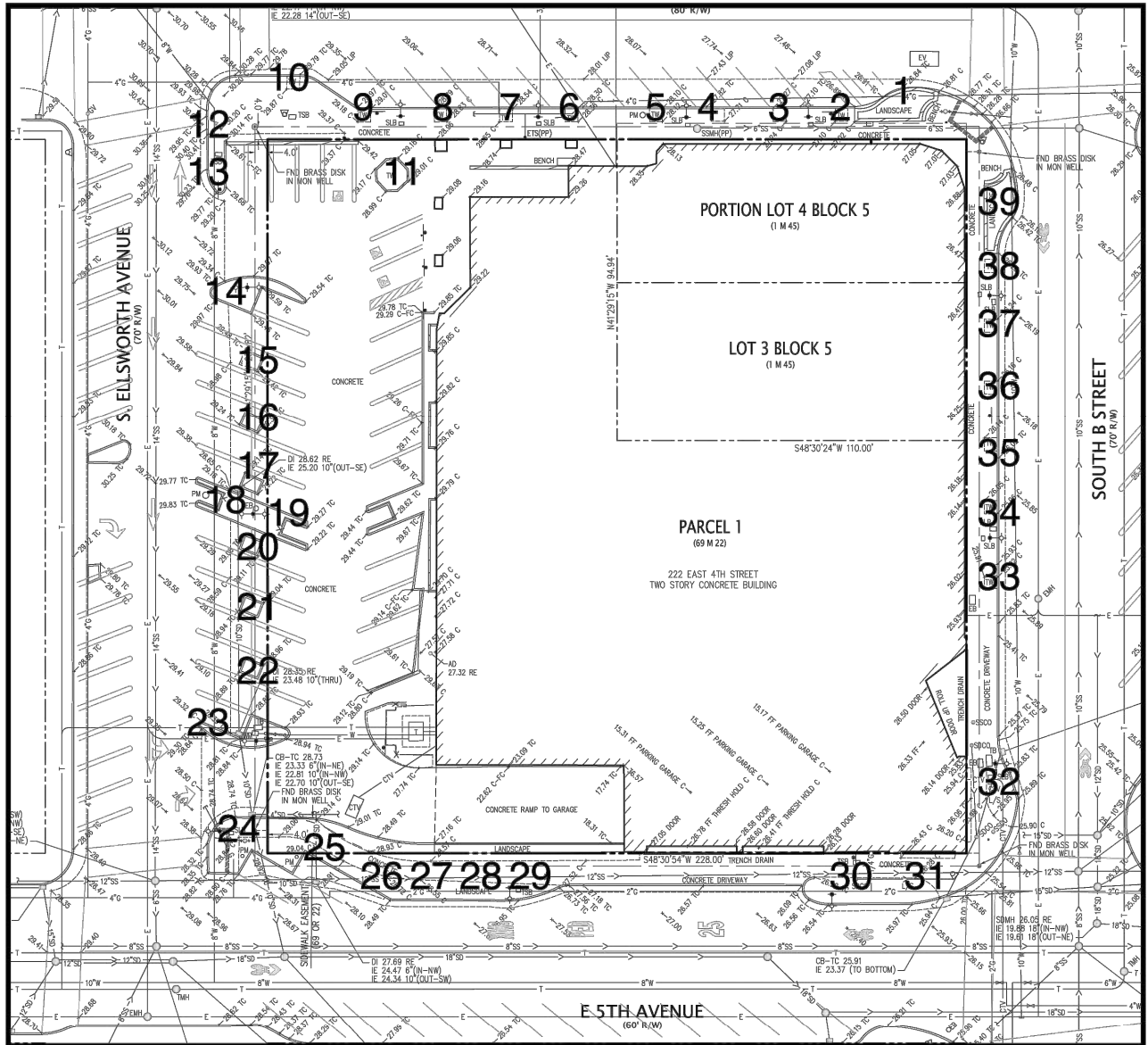
Expected Impact Level

Impact level defines how a tree may be affected by construction activity and proximity to the tree, and is described as low, moderate, or high. The following scale defines the impact rating:

- Low = The construction activity will have little influence on the tree.
- Moderate = The construction may cause future health or structural problems, and steps must be taken to protect the tree to reduce future problems.
- High = Tree structure and health will be compromised and removal is recommended, or other actions must be taken for the tree to remain. The tree is located in the building envelope.

All the trees will be highly impacted and are proposed for removal.

Appendix A: Tree Inventory Locations



Conclusion

There are no "Heritage Trees" as defined by the ordinance and all the trees are "Street Trees" except one olive. The trees are all located around the perimeter of the property on 4th, 5th, N. Ellsworth, and B streets. The inventory contains thirty-nine (39) trees comprised of four different species. There are five tulip poplar (*Liriodendron tulipifera*), eleven olives (*Olea eurpaea*), seventeen hackberry (*Celtis occidentalis*), and six Brisbane box (*Lophostemon confertus*). Most of the tree are in fair condition with thirteen good, one poor, two very poor, and the remaining twenty-three in fair shape and most have fair suitability for preservation except for the tulip poplars. All the trees are expected to be highly impacted and removed. The average L/U Value was calculated to be 4.079.

Recommendations

- Obtain all necessary permits prior to removing or significantly altering any trees on the property
- All tree maintenance, care, and removals shall be performed by a qualified arborist with a C-61/D-49 California Contractors License. Tree maintenance and care shall be specified in writing according to American National Standard for Tree Care Operations: *Tree, Shrub and Other Woody Plant Management: Standard Practices* parts 1 through 10 and adhere to ANSI Z133.1 safety standards and local regulations. All maintenance is to be performed according to ISA Best Management Practices.

Bibliography

American National Standard for Tree Care Operations: Tree, Shrub and Other Woody Plant Management : Standard Practices (Management of Trees and Shrubs During Site Planning, Site Development, and Construction)(Part 5). Londonderry, NH: Secretariat, Tree Care Industry Association, 2019. Print.

Fite, Kelby, and Edgar Thomas. Smiley. *Managing trees during construction*, second edition. Champaign, IL: International Society of Arboriculture, 2016.

ISA. *Guide For Plant Appraisal*. Savoy, IL: International Society Of Arboriculture, 2000. Print.

ISA. Species Classification and Group Assignment, 2004 Western Chapter Regional Supplement. Western Chapter ISA

Appendix B: Tree Inventory Table

| Table 2: Inventory Summary | | | | | | |
|---|----|----------------------|-----------|-----------------|-------------|-----------|
| Tree Species | # | Trunk Diameter (in.) | Condition | Expected Impact | Disposition | L/U Value |
| olive (<i>Olea eurpaea</i>) | 1 | 4, 2, 2 | Good | High | Container | 2.4696 |
| hackberry (<i>Celtis occidentalis</i>) | 2 | 7 | Fair | High | Street Tree | 4.3218 |
| hackberry (<i>Celtis occidentalis</i>) | 3 | 9 | Fair | High | Street Tree | 5.5566 |
| hackberry (<i>Celtis occidentalis</i>) | 4 | 7 | Fair | High | Street Tree | 4.3218 |
| hackberry (<i>Celtis occidentalis</i>) | 5 | 6 | Fair | High | Street Tree | 3.7044 |
| hackberry (<i>Celtis occidentalis</i>) | 6 | 7 | Fair | High | Street Tree | 4.3218 |
| hackberry (<i>Celtis occidentalis</i>) | 7 | 5 | Fair | High | Street Tree | 3.087 |
| hackberry (<i>Celtis occidentalis</i>) | 8 | 8 | Fair | High | Street Tree | 4.9392 |
| hackberry (<i>Celtis occidentalis</i>) | 9 | 9 | Fair | High | Street Tree | 5.5566 |
| hackberry (<i>Celtis occidentalis</i>) | 10 | 11 | Good | High | Street Tree | 6.7914 |
| olive (<i>Olea eurpaea</i>) | 11 | 5, 4, 2, 2, 2, 2 | Good | High | Container | 3.087 |
| olive (<i>Olea eurpaea</i>) | 12 | 8, 7, 5, 4 | Good | High | Street Tree | 4.9392 |
| olive (<i>Olea eurpaea</i>) | 13 | 5, 5, 4, 4 | Good | High | Street Tree | 3.087 |
| olive (<i>Olea eurpaea</i>) | 14 | 5, 4, 3 | Fair | High | Street Tree | 3.087 |
| tulip poplar (<i>Liriodendron tulipifera</i>) | 15 | 7 | Good | High | Street Tree | 1.8522 |
| hackberry (<i>Celtis occidentalis</i>) | 16 | 1 | Very Poor | High | Street Tree | 0.6174 |



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ISSUES AND REVISIONS

| No. | Date | Description |
|-----|----------|-----------------------------|
| A | 05/05/20 | Pre-Application Set |
| B | 10/21/20 | Pre-Application Resubmittal |
| C | 03/19/21 | Pre-Application Resubmittal |
| D | 10/15/21 | Pre-Application Resubmittal |
| E | 02/04/22 | Pre-Application Resubmittal |

PROJECT NUMBER
16010.00

SHEET TITLE
TREE INVENTORY

SCALE
NA

SHEET NUMBER

| 222 E. 4th Street San Mateo | | Tree Inventory, Assessment, and Protection Report | | | July 17, 2020 Revised October 20, 2021 | |
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| Tree Species | # | Trunk Diameter (in.) | Condition | Expected Impact | Disposition | L/U Value |
| tulip poplar (<i>Liriodendron tulipifera</i>) | 17 | 7 | Very Poor | High | Street Tree | 1.8522 |
| olive (<i>Olea eurpaea</i>) | 18 | 3, 2, 2, 2, 2, 2 | Fair | High | Street Tree | 1.8522 |
| olive (<i>Olea eurpaea</i>) | 19 | 5, 2, 2, 2, 1 | Fair | High | Street Tree | 3.087 |
| tulip poplar (<i>Liriodendron tulipifera</i>) | 20 | 5, 4 | Fair | High | Street Tree | 1.323 |
| tulip poplar (<i>Liriodendron tulipifera</i>) | 21 | 1 | Poor | High | Street Tree | 0.1134 |
| tulip poplar (<i>Liriodendron tulipifera</i>) | 22 | 7 | Good | High | Street Tree | 1.8522 |
| olive (<i>Olea eurpaea</i>) | 23 | 7, 6, 5, 4 | Good | High | Street Tree | 4.3218 |
| olive (<i>Olea eurpaea</i>) | 24 | 8, 7, 5, 3, 3 | Good | High | Street Tree | 4.9392 |
| Brisbane box (<i>Lophostemon confertus</i>) | 25 | 12 | Fair | High | Street Tree | 6.804 |
| Brisbane box (<i>Lophostemon confertus</i>) | 26 | 12 | Good | High | Street Tree | 9.5256 |
| olive (<i>Olea eurpaea</i>) | 27 | 5, 3, 3, 3, 3, 3 | Good | High | Street Tree | 3.087 |
| Brisbane box (<i>Lophostemon confertus</i>) | 28 | 13 | Good | High | Street Tree | 10.3194 |
| Brisbane box (<i>Lophostemon confertus</i>) | 29 | 14 | Fair | High | Street Tree | 7.938 |
| Brisbane box (<i>Lophostemon confertus</i>) | 30 | 14 | Fair | High | Street Tree | 7.938 |

C2: N. Ellsworth Olives and Tulip Trees



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|---|----|--|-----------|-----------------|---|-----------|
| Tree Species | # | Trunk Diameter (in.) | Condition | Expected Impact | Disposition | L/U Value |
| Brisbane box (<i>Lophostemon confertus</i>) | 31 | 13 | Fair | High | Street Tree | 7.371 |
| hackberry (<i>Celtis occidentalis</i>) | 32 | 8 | Fair | High | Street Tree | 3.528 |
| hackberry (<i>Celtis occidentalis</i>) | 33 | 7 | Fair | High | Street Tree | 3.087 |
| hackberry (<i>Celtis occidentalis</i>) | 34 | 6 | Fair | High | Street Tree | 2.646 |
| hackberry (<i>Celtis occidentalis</i>) | 35 | 6 | Fair | High | Street Tree | 2.646 |
| hackberry (<i>Celtis occidentalis</i>) | 36 | 6 | Fair | High | Street Tree | 2.646 |
| hackberry (<i>Celtis occidentalis</i>) | 37 | 8 | Fair | High | Street Tree | 3.528 |
| hackberry (<i>Celtis occidentalis</i>) | 38 | 6 | Fair | High | Street Tree | 2.646 |
| olive (<i>Olea eurpaea</i>) | 39 | 7, 7, 6, 4, 2, 2 | Good | High | Container | 4.3218 |

C3: 5th Street Brisbane Box



Appendix C: Photographs
C1: 4th Street Hackberries



C4: B Street Hackberries



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PROJECT NUMBER
16010.00

SHEET TITLE
TREE INVENTORY

SCALE
NA

SHEET NUMBER

Qualifications, Assumptions, and Limiting Conditions

Any legal description provided to the consultant is assumed to be correct. Any titles or ownership of properties are assumed to be good and marketable. All property is appraised or evaluated as though free and clear, under responsible ownership and competent management.

All property is presumed to be in conformance with applicable codes, ordinances, statutes, or other regulations.

Care has been taken to obtain information from reliable sources. However, the consultant cannot be responsible for the accuracy of information provided by others.

The consultant shall not be required to give testimony or attend meetings, hearings, conferences, mediations, arbitration, or trials by reason of this report unless subsequent contractual arrangements are made, including payment of an additional fee for such services.

This report and any appraisal value expressed herein represent the opinion of the consultant, and the consultant's fee is not contingent upon the reporting of a specified appraisal value, a stipulated result, or the occurrence of a subsequent event.

Sketches, drawings, and photographs in this report are intended for use as visual aids, are not necessarily to scale, and should not be construed as engineering or architectural reports or surveys. The reproduction of information generated by architects, engineers, or other consultants on any sketches, drawings, or photographs is only for coordination and ease of reference. Inclusion of said information with any drawings or other documents does not constitute a representation as to the sufficiency or accuracy of said information.

Unless otherwise expressed: a) this report covers only examined items and their condition at the time of inspection; and b) the inspection is limited to visual examination of accessible items without dissection, excavation, probing, or coring. There is no warranty or guarantee, expressed or implied, that structural problems or deficiencies of plants or property may not arise in the future.



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Required Tree Planting

Zoning Code, Section 27.71 – Landscape, requires all projects to have a minimum ratio of **1 tree per 400 square feet** of landscaped area. Existing trees that are a minimum of 6 inch diameter may count toward this total.

Landscape Area: **6706.56** sq. ft. ÷ 400 = **16.77** (a)

Number of existing trees from Tree Evaluation Schedule with a 6 inch or greater diameter **to be preserved:** **0** (b)

Landscape Unit (LU) value of trees **to be removed** from the Tree Evaluation Schedule: **3.087** (c)

Minimum LU value to be replaced and/or met through payment of in-lieu fees: **[a – b + c = d]** **19.8957** (d)

New Trees:

A “landscape unit” (LU) value equivalent to (d) above, must either be planted on site, or an “in-lieu” fee paid to the city’s street tree planting fund. If the LU value shown at (e) is not equal or greater than (d), then an in-lieu fee must be paid to the City’s street tree planting fund at the rate defined annually in the City’s Comprehensive Fee Schedule for each deficient LU.

| New Trees Being Planted* | | | |
|--------------------------|-------------|----------|----------------|
| Quantity | Size | LU Value | Total LU Value |
| | 15 gallon | 1 | |
| | 24 inch box | 2 | |
| | 36 inch box | 3 | |
| 4 | 48 inch box | 4 | 16 |

Total LU Value of new trees being proposed: **16** (e)

*New replacement trees shall be in addition to and not substitute requirements for new street trees, parking lot trees or other required trees.

Fees Owed to the City Street Tree Planting Fund:

If (d) is greater than (e), there will be an LU value deficit calculated as follows:

$$[d - e = 3.86] \times (\text{the annually defined \$ per LU value as per Current Comprehensive Fee Schedule}) = \$ 1252.7$$

Certification of Performance

I Richard Gessner, Certify:

That I have personally inspected the tree(s) and/or the property referred to in this report, and have stated my findings accurately. The extent of the evaluation and/or appraisal is stated in the attached report and Terms of Assignment;

That I have no current or prospective interest in the vegetation or the property that is the subject of this report, and I have no personal interest or bias with respect to the parties involved;

That the analysis, opinions and conclusions stated herein are my own;

That my analysis, opinions, and conclusions were developed and this report has been prepared according to commonly accepted Arboricultural practices;

That no one provided significant professional assistance to the consultant, except as indicated within the report.

That my compensation is not contingent upon the reporting of a predetermined conclusion that favors the cause of the client or any other party, nor upon the results of the assessment, the attainment of stipulated results, or the occurrence of any other subsequent events;

I further certify that I am a Registered Consulting Arborist® with the American Society of Consulting Arborists, and that I acknowledge, accept and adhere to the ASCA Standards of Professional Practice. I am an International Society of Arboriculture Board Certified Master Arborist® and Tree Risk Assessor Qualified. I have been involved with the practice of Arboriculture and the care and study of trees since 1998.

Richard J. Gessner

Handwritten signature of Richard J. Gessner

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| Tree Number | Species | Fate: Preserve / Remove | Species Value % | Condition Value % | Location Value % | Divided by 0.35 | Caliper Size (in.) | .7 if in allowable bldg. area 1 if in setback | 1.25 if Heritage Tree 1 if not | LU Value |
|-------------|---|-------------------------|-----------------|-------------------|------------------|-----------------|--------------------|---|--------------------------------|----------|
| 1 | olive (<i>Olea europaea</i>) | Remove | 0.7 | 0.7 | 0.63 | 0.88 | 4 | 0.7 | 1 | 2.4696 |
| 2 | hackberry (<i>Celtis occidentalis</i>) | Remove | 0.7 | 0.7 | 0.63 | 0.88 | 7 | 0.7 | 1 | 4.3218 |
| 3 | hackberry (<i>Celtis occidentalis</i>) | Remove | 0.7 | 0.7 | 0.63 | 0.88 | 9 | 0.7 | 1 | 5.5566 |
| 4 | hackberry (<i>Celtis occidentalis</i>) | Remove | 0.7 | 0.7 | 0.63 | 0.88 | 7 | 0.7 | 1 | 4.3218 |
| 5 | hackberry (<i>Celtis occidentalis</i>) | Remove | 0.7 | 0.7 | 0.63 | 0.88 | 6 | 0.7 | 1 | 3.7044 |
| 6 | hackberry (<i>Celtis occidentalis</i>) | Remove | 0.7 | 0.7 | 0.63 | 0.88 | 7 | 0.7 | 1 | 4.3218 |
| 7 | hackberry (<i>Celtis occidentalis</i>) | Remove | 0.7 | 0.7 | 0.63 | 0.88 | 5 | 0.7 | 1 | 3.087 |
| 8 | hackberry (<i>Celtis occidentalis</i>) | Remove | 0.7 | 0.7 | 0.63 | 0.88 | 8 | 0.7 | 1 | 4.9392 |
| 9 | hackberry (<i>Celtis occidentalis</i>) | Remove | 0.7 | 0.7 | 0.63 | 0.88 | 9 | 0.7 | 1 | 5.5566 |
| 10 | hackberry (<i>Celtis occidentalis</i>) | Remove | 0.7 | 0.7 | 0.63 | 0.88 | 11 | 0.7 | 1 | 6.7914 |
| 11 | olive (<i>Olea europaea</i>) | Remove | 0.7 | 0.7 | 0.63 | 0.88 | 5 | 0.7 | 1 | 3.087 |
| 12 | olive (<i>Olea europaea</i>) | Remove | 0.7 | 0.7 | 0.63 | 0.88 | 8 | 0.7 | 1 | 4.9392 |
| 13 | olive (<i>Olea europaea</i>) | Remove | 0.7 | 0.7 | 0.63 | 0.88 | 5 | 0.7 | 1 | 3.087 |
| 14 | olive (<i>Olea europaea</i>) | Remove | 0.7 | 0.7 | 0.63 | 0.88 | 5 | 0.7 | 1 | 3.087 |
| 15 | tulip poplar (<i>Liriodendron tulipifera</i>) | Remove | 0.3 | 0.7 | 0.63 | 0.38 | 7 | 0.7 | 1 | 1.8522 |
| 16 | hackberry (<i>Celtis occidentalis</i>) | Remove | 0.7 | 0.7 | 0.63 | 0.88 | 1 | 0.7 | 1 | 0.6174 |
| 17 | tulip poplar (<i>Liriodendron tulipifera</i>) | Remove | 0.3 | 0.7 | 0.63 | 0.38 | 7 | 0.7 | 1 | 1.8522 |
| 18 | olive (<i>Olea europaea</i>) | Remove | 0.7 | 0.7 | 0.63 | 0.88 | 3 | 0.7 | 1 | 1.8522 |
| 19 | olive (<i>Olea europaea</i>) | Remove | 0.7 | 0.7 | 0.63 | 0.88 | 5 | 0.7 | 1 | 3.087 |
| 20 | tulip poplar (<i>Liriodendron tulipifera</i>) | Remove | 0.3 | 0.7 | 0.63 | 0.38 | 5 | 0.7 | 1 | 1.323 |
| 21 | tulip poplar (<i>Liriodendron tulipifera</i>) | Remove | 0.3 | 0.3 | 0.63 | 0.16 | 1 | 0.7 | 1 | 0.1134 |
| 22 | tulip poplar (<i>Liriodendron tulipifera</i>) | Remove | 0.3 | 0.7 | 0.63 | 0.38 | 7 | 0.7 | 1 | 1.8522 |
| 23 | olive (<i>Olea europaea</i>) | Remove | 0.7 | 0.7 | 0.63 | 0.88 | 7 | 0.7 | 1 | 4.3218 |
| 24 | olive (<i>Olea europaea</i>) | Remove | 0.7 | 0.7 | 0.63 | 0.88 | 8 | 0.7 | 1 | 4.9392 |
| 25 | Brisbane box (<i>Lophostemon confertus</i>) | Remove | 0.9 | 0.5 | 0.63 | 0.81 | 12 | 0.7 | 1 | 6.804 |
| 26 | Brisbane box (<i>Lophostemon confertus</i>) | Remove | 0.9 | 0.7 | 0.63 | 1.13 | 12 | 0.7 | 1 | 9.5256 |
| 27 | olive (<i>Olea europaea</i>) | Remove | 0.7 | 0.7 | 0.63 | 0.88 | 5 | 0.7 | 1 | 3.087 |
| 28 | Brisbane box (<i>Lophostemon confertus</i>) | Remove | 0.9 | 0.7 | 0.63 | 1.13 | 13 | 0.7 | 1 | 10.3194 |
| 29 | Brisbane box (<i>Lophostemon confertus</i>) | Remove | 0.9 | 0.5 | 0.63 | 0.81 | 14 | 0.7 | 1 | 7.938 |
| 30 | Brisbane box (<i>Lophostemon confertus</i>) | Remove | 0.9 | 0.5 | 0.63 | 0.81 | 14 | 0.7 | 1 | 7.938 |
| 31 | Brisbane box (<i>Lophostemon confertus</i>) | Remove | 0.9 | 0.5 | 0.63 | 0.81 | 13 | 0.7 | 1 | 7.371 |
| 32 | hackberry (<i>Celtis occidentalis</i>) | Remove | 0.7 | 0.5 | 0.63 | 0.63 | 8 | 0.7 | 1 | 3.528 |
| 33 | hackberry (<i>Celtis occidentalis</i>) | Remove | 0.7 | 0.5 | 0.63 | 0.63 | 7 | 0.7 | 1 | 3.087 |
| 34 | hackberry (<i>Celtis occidentalis</i>) | Remove | 0.7 | 0.5 | 0.63 | 0.63 | 6 | 0.7 | 1 | 2.646 |
| 35 | hackberry (<i>Celtis occidentalis</i>) | Remove | 0.7 | 0.5 | 0.63 | 0.63 | 6 | 0.7 | 1 | 2.646 |
| 36 | hackberry (<i>Celtis occidentalis</i>) | Remove | 0.7 | 0.5 | 0.63 | 0.63 | 6 | 0.7 | 1 | 2.646 |
| 37 | hackberry (<i>Celtis occidentalis</i>) | Remove | 0.7 | 0.5 | 0.63 | 0.63 | 8 | 0.7 | 1 | 3.528 |
| 38 | hackberry (<i>Celtis occidentalis</i>) | Remove | 0.7 | 0.5 | 0.63 | 0.63 | 6 | 0.7 | 1 | 2.646 |
| 39 | olive (<i>Olea europaea</i>) | Remove | 0.7 | 0.7 | 0.63 | 0.88 | 7 | 0.7 | 1 | 4.3218 |
| TOTAL | | | | | | | | | | 159.1128 |

222 EAST 4TH

LANE PARTNERS

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ISSUES AND REVISIONS

| No. | Date | Description |
|-----|----------|-----------------------------|
| A | 05/05/20 | Pre-Application Set |
| B | 10/21/20 | Pre-Application Resubmittal |
| C | 03/19/21 | Pre-Application Resubmittal |
| D | 10/15/21 | Pre-Application Resubmittal |
| E | 02/04/22 | Pre-Application Resubmittal |

PROJECT NUMBER
16010.00

SHEET TITLE
TREE INVENTORY

SCALE
NA

SHEET NUMBER

L-006