# Appendix E Protected Tree Report

# Appendices

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# PROTECTED TREE REPORT

## PREPARED FOR

Valley Industrial, LLC c/o IDS Real Estate Group

## PROPERTY

Walnut Business Park

Valley Blvd. & Lemon Ave.

Walnut, CA 91789

## CONTACT

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## PREPARED BY

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# PROTECTED TREE REPORT

Walnut Business Park - Valley Blvd. & Lemon Ave. Walnut, CA 91789

## SUMMARY

| PROJECT OVERVIEW | |
|---|---|
| Site Address | **Valley Blvd. & Lemon Ave. Walnut, CA 91789** |
| City | **Walnut** |
| Project Description | **Redevelopment of the Walnut Business Park** |
| Date of Site Visit | **12/15/23 & 12/17/23** |
| Number of Protected Trees on Site | **9** |
| Number of Recommended Removals | **0** |

This Tree Report was prepared at the request of the property owner, Valley Industrial, LLC, who are preparing to redevelop Walnut Business Park. The subject property is 414,778 square feet and is located in Walnut.

### NATIVE TREES

This property is under the jurisdiction of the City of Walnut, which recognizes native species of trees to be identified and protected within the city.

At this time, I observed nine native trees on the property, which include six (6) Coast Live Oak (*Quercus agrifolia*) trees and (3) Western Sycamore (*Platanus racemosa*) trees. All native trees are outside of the construction zone and will be retained. These trees appear to have been intentionally installed during the original development of the business park. They were not naturally occurring.

**This project requires NO REMOVALS of trees considered protected native within the City of Walnut.**

### NON-NATIVE TREES

At this time, I observed one-hundred ninety-one (191) **Non-Native Trees** on the property.
REMOVALS: Sixty-six (66) trees will be impacted by construction and are recommended for removal and replacement to the satisfaction of the City of Walnut - Department of City Planning.

RETAINED TREES: One hundred twenty-five (125) trees will be retained in place.

# ASSIGNMENT

The Assignment included:

- Field Observation and Inventory of Trees on Site
- Recommendations for the protection of trees to remain
- Photographs of the subject trees are included in Appendix B
- Matrix of proposed protected tree removals and protected trees to remain
- Evaluation of potential construction impacts
- A Tree Location Plot Map is included in Appendix A
- Protected tree construction impact guidelines

# LIMITS OF THE ASSIGNMENT

The field inspection was a visual, grade level tree assessment. No special tools or equipment were used. No tree risk assessments were performed. My site examination and the information in this report is limited to the date and time the inspection occurred. The information in this report is limited to the condition of the trees at the time of my inspection.

# TREE CHARACTERISTICS AND SITE CONDITIONS

Detailed information with respect to size, condition, species and recommendations are included in the Summary of Field Inspections in Appendix C. The trees are numbered on the Tree Location Map in Appendix A.

# APPENDIX A.1 - TREE LOCATION - SURVEY MAP, REDUCED

| PROJECT SUMMARY | |
|---|---|
| Site Address | Valley Blvd. & Lemon Ave. Walnut, CA 91789 |
| Location and/or Specific Plan | Walnut |
| Project Description | |
| Proposed Floor Area : Lot Size (FAR) | X SF : x SF |
| Number of Protected Trees on Site | 9 |
| Number of Recommended Removals | 0 |

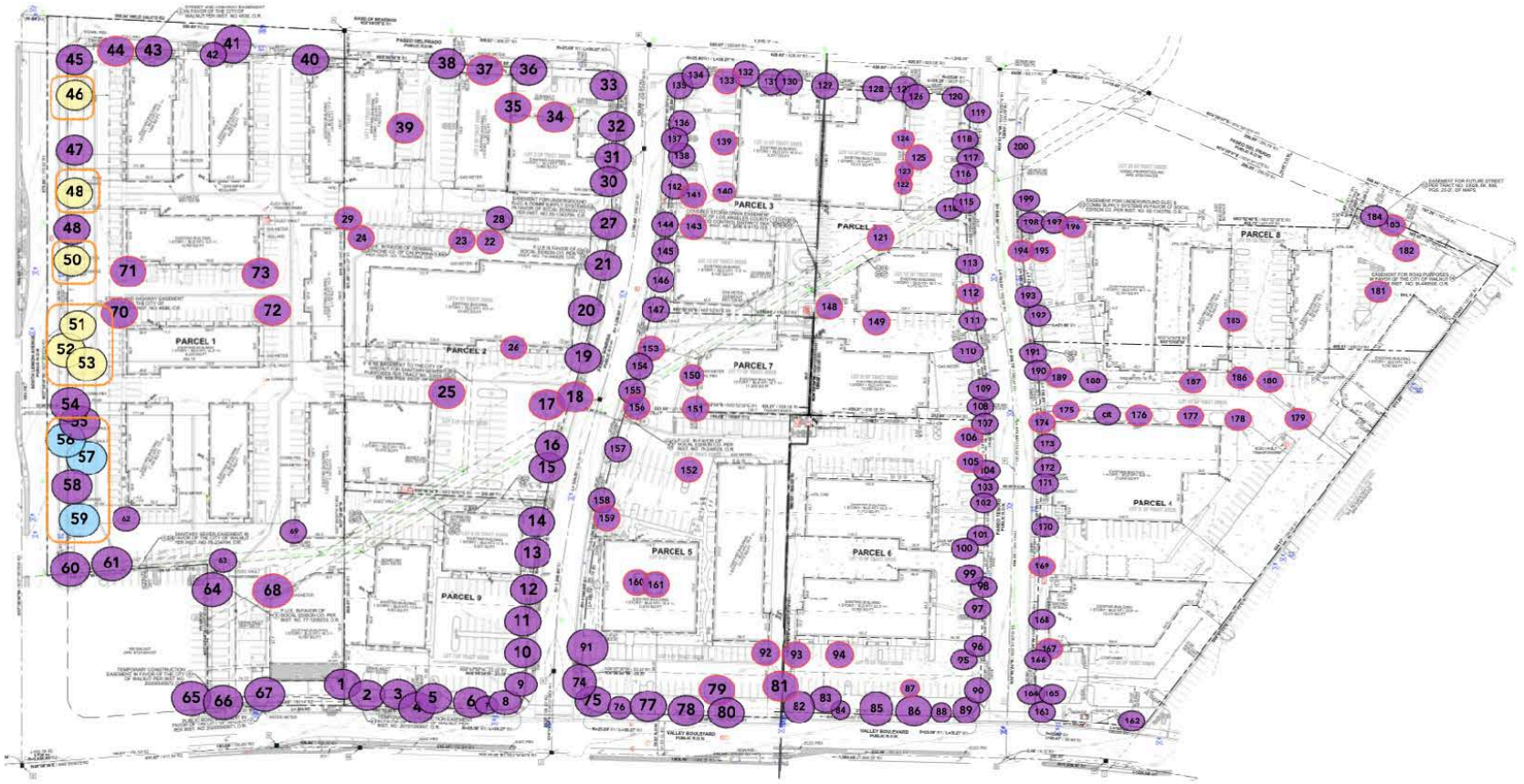
| KEY | |
|---|---|
| Protected Native Oak Tree | Protected Sycamore Tree |
| Non-Protected Tree | |
| Protective Fencing | Tree For Removal |

**SUMMARY OF FIELD INSPECTION**

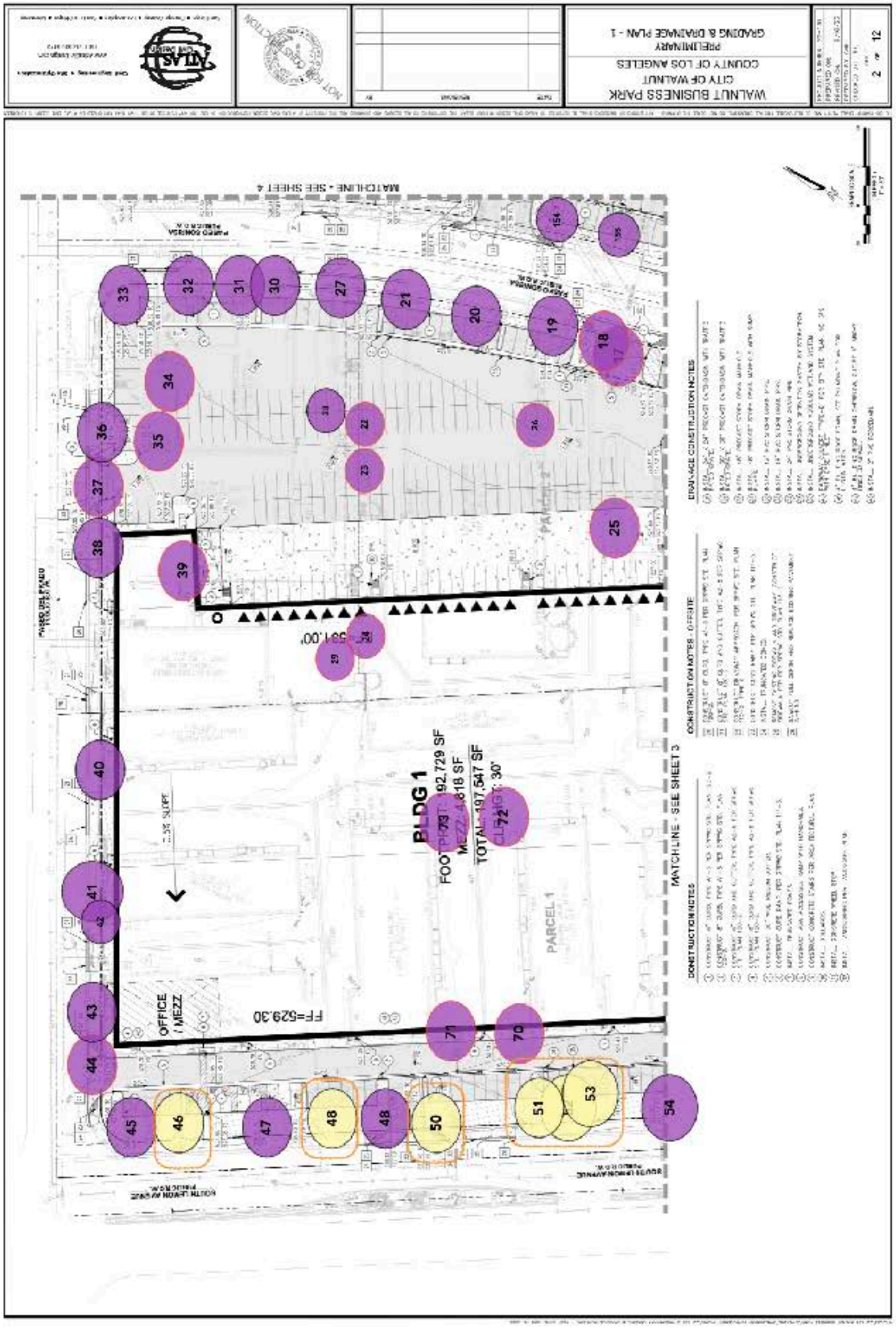
| Tree # | Species | Status | DBH (") | Condition | Retain or Remove |
|---|---|---|---|---|---|
| 46 | Coast Live Oak *Quercus agrifola* | Protected | 22.5 | C | Retain |
| 48 | Coast Live Oak *Quercus agrifola* | Protected | 19.5 | C D | Retain |
| 50 | Coast Live Oak *Quercus agrifola* | Protected | 22.5 | D | Retain |
| 51 | Coast Live Oak *Quercus agrifola* | Protected | 26.5 | D | Retain |
| 52 | Coast Live Oak *Quercus agrifola* | Protected | 14.5 | F | Retain |
| 53 | Coast Live Oak *Quercus agrifola* | Protected | 14.5 | F | Retain |
| 56 | Western Sycamore *Platanus racemosa* | Protected | 23.5 | C | Retain |
| 57 | Western Sycamore *Platanus racemosa* | Protected | 22 | C-D | Retain |
| 59 | Western Sycamore *Platanus racemosa* | Protected | 22.5 | C-D | Retain |

## ALTA/NSPS LAND TITLE SURVEY

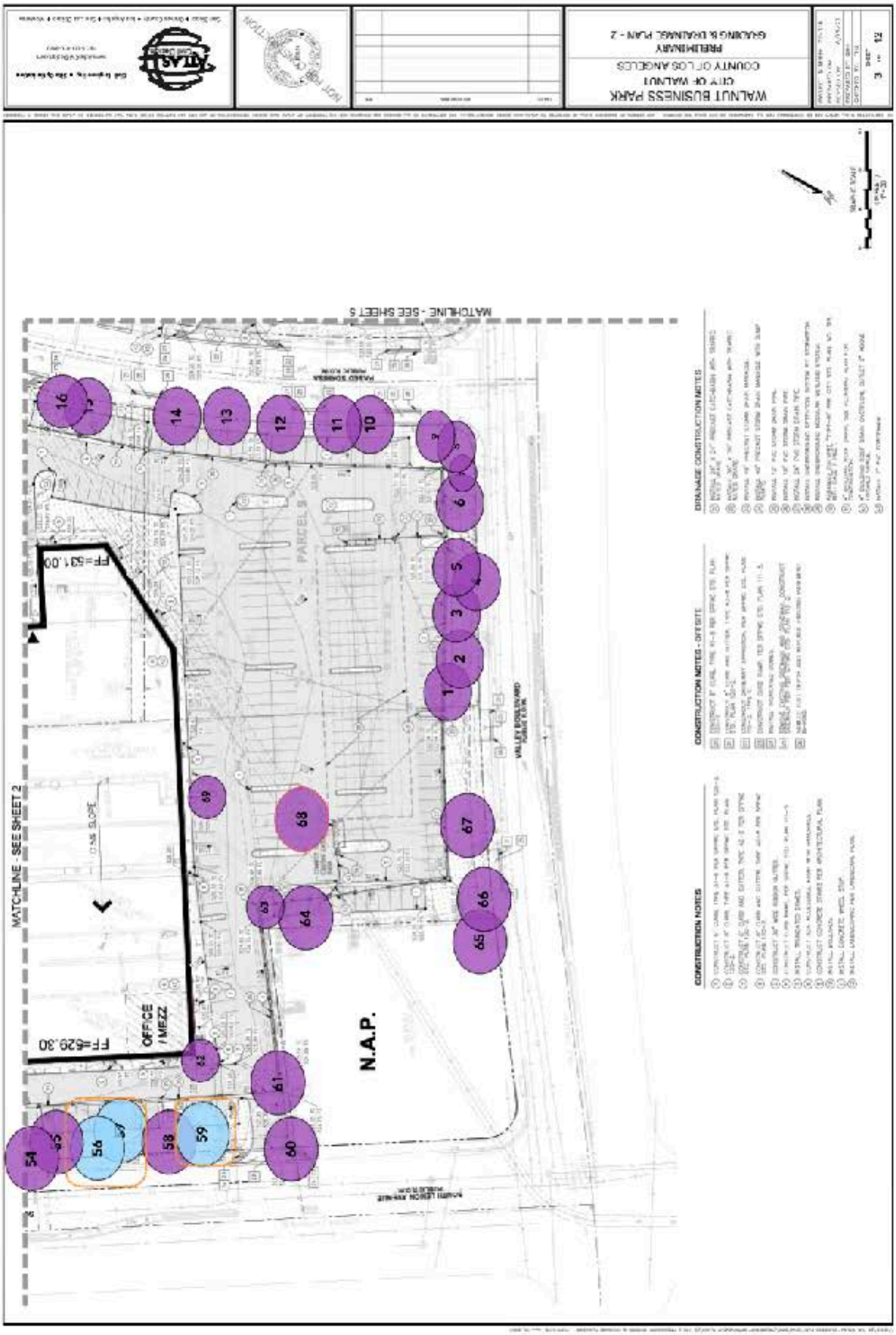
ALTA/NSPS LAND TITLE SURVEY



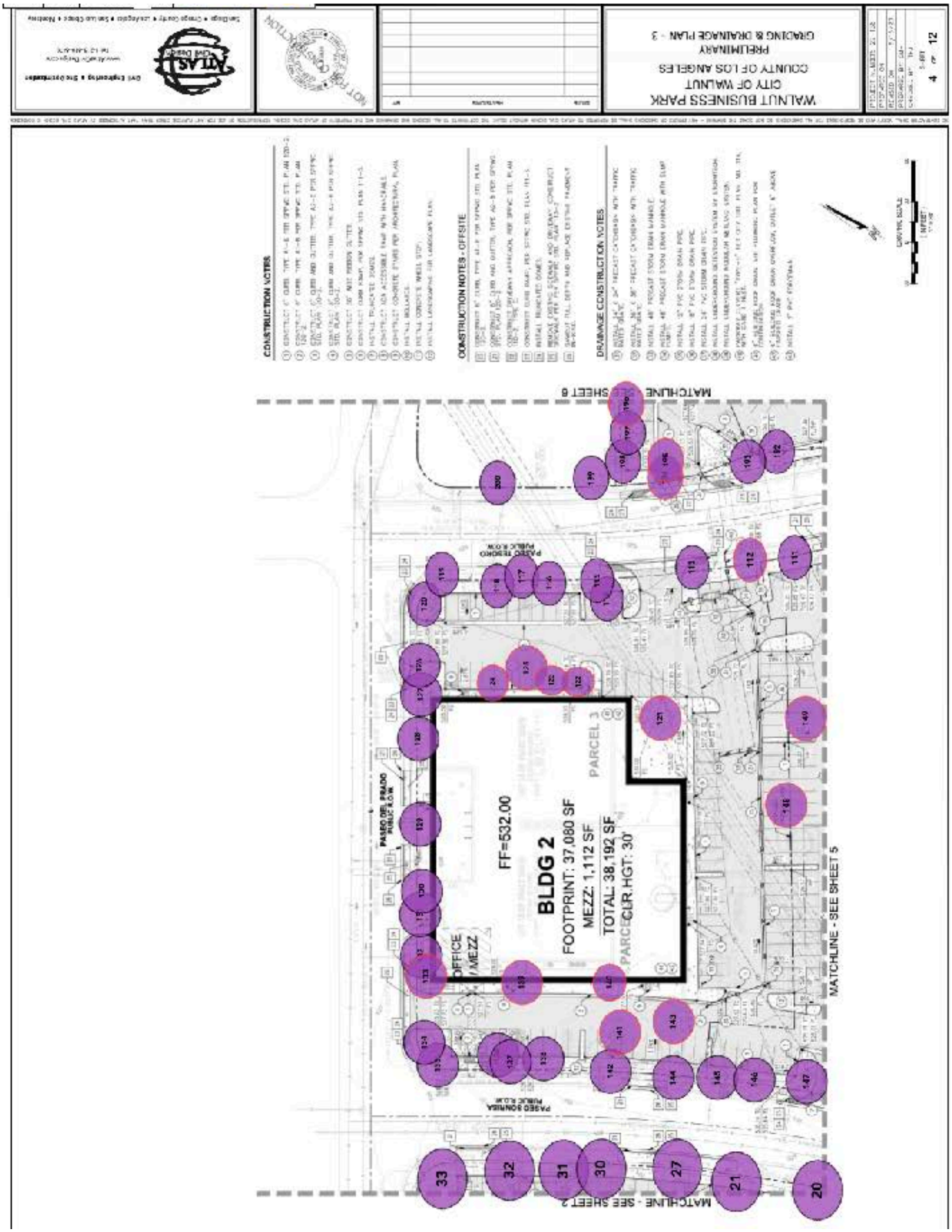
# **APPENDIX A.2 -** TREE REMOVAL MAP, SHEET. 2 Grading REDUCED



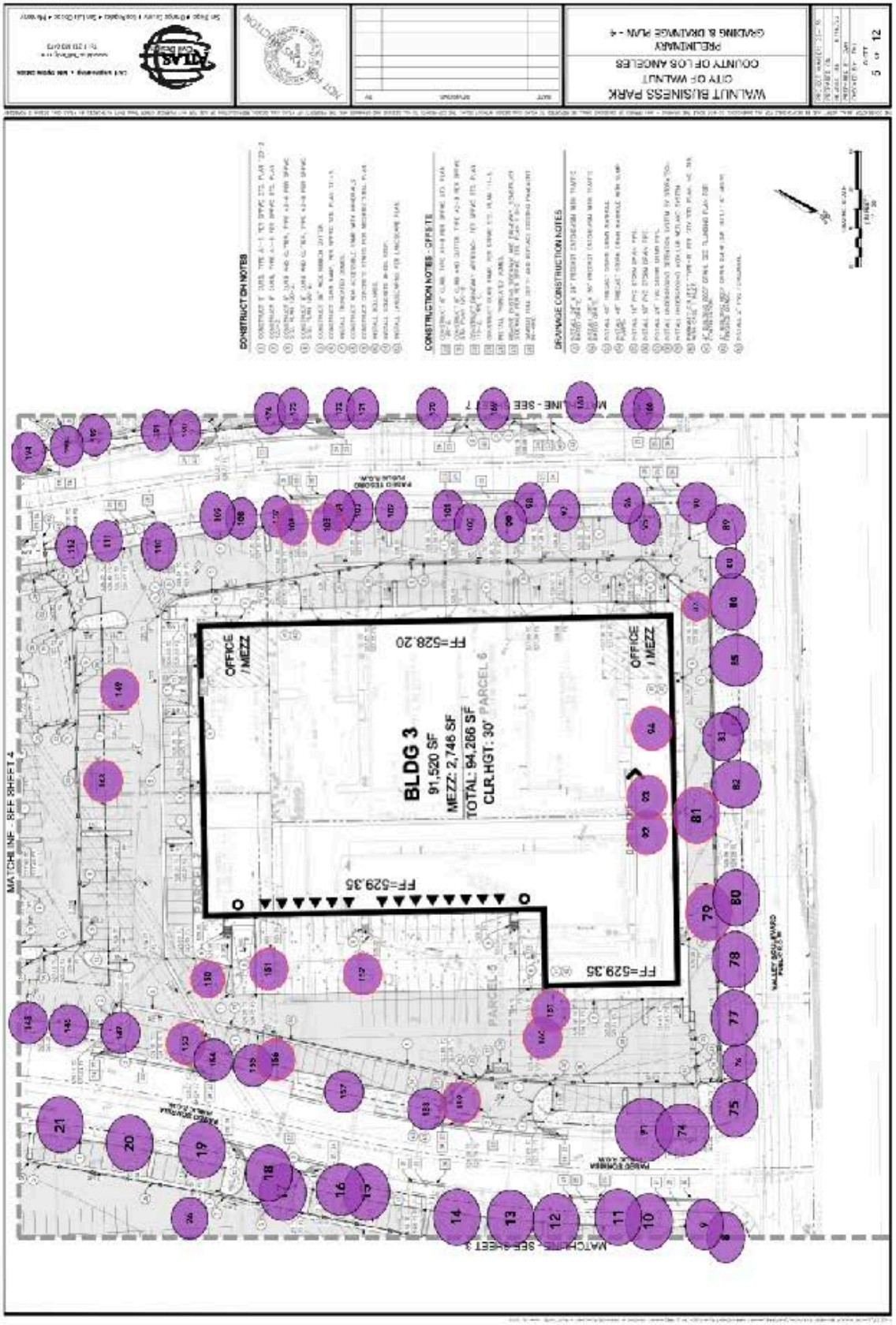
# **APPENDIX A.2 -** TREE REMOVAL MAP, - SHEET 3 Grading REDUCED



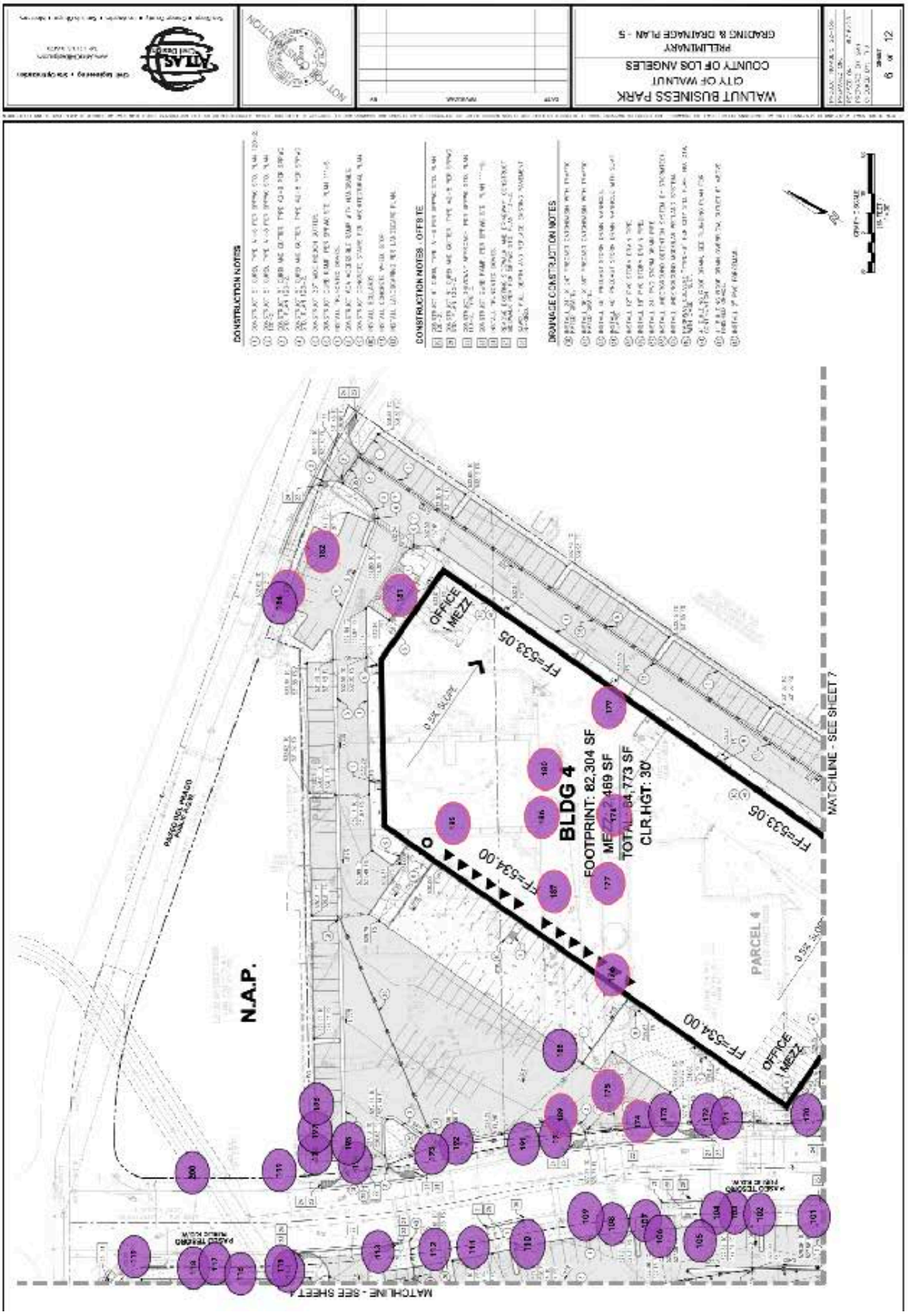
# **APPENDIX A.2 -** TREE REMOVAL MAP, SHEET. 4 Grading REDUCED



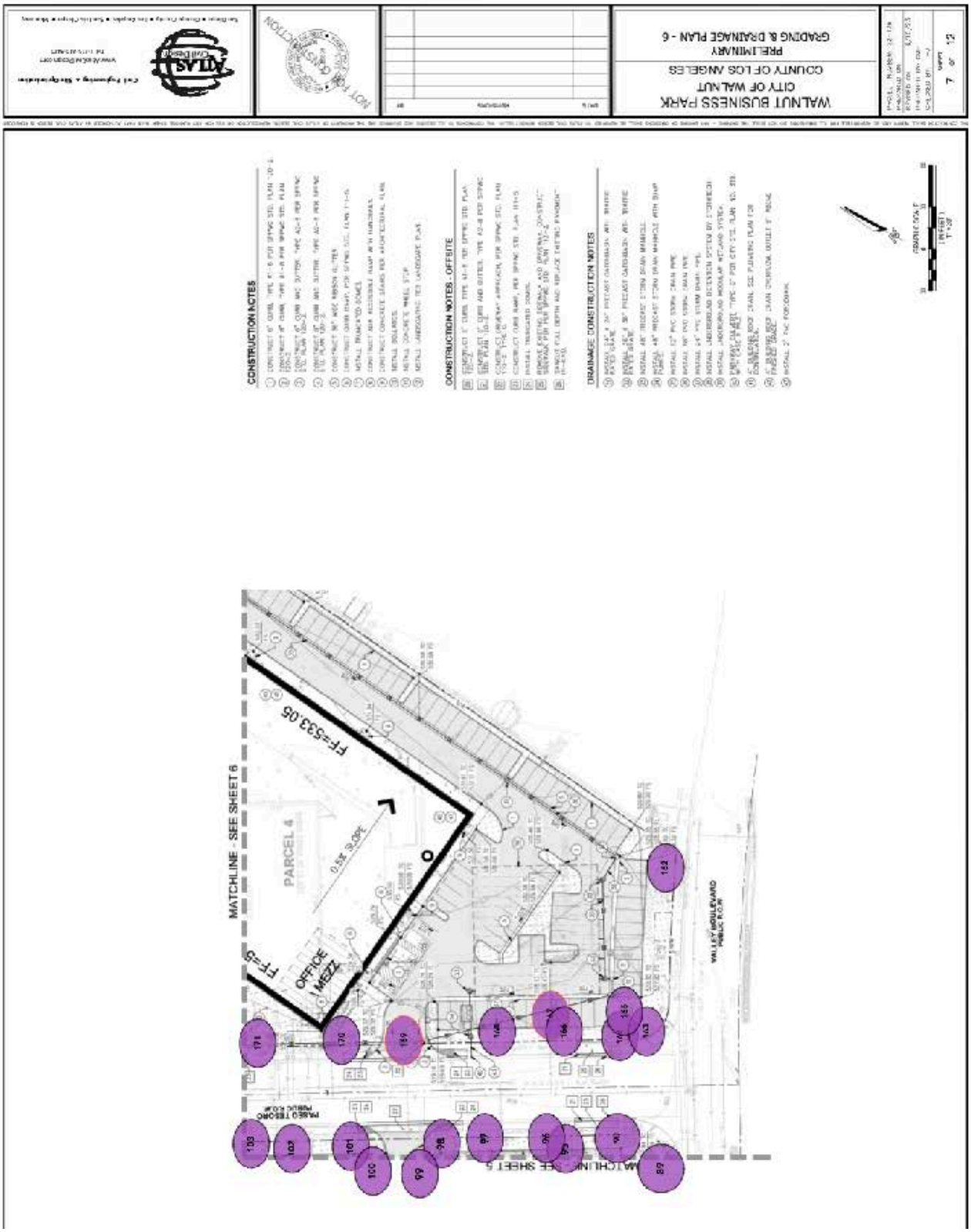
# **APPENDIX A.2 -** TREE REMOVAL MAP, SHEET. 5 Grading REDUCED



# **APPENDIX A.2 -** TREE REMOVAL MAP, SHEET. 6 Grading REDUCED



# **APPENDIX A.2 -** TREE REMOVAL MAP, SHEET. 7 Grading REDUCED



# **APPENDIX B -** PHOTOGRAPHS


**PHOTO 1 -** Shows trees on site, which include London Plane, Brazilian Pepper, and other non-protected trees. Removals are focused on areas of future development and root impacts that will not be tolerable.

# **APPENDIX B -** PHOTOGRAPHS


**PHOTO 2 -** Shows trees on site, which include London Plane, Brazilian Pepper, and other non-protected trees. Removals are focused on areas of future development and root impacts that will not be tolerable.

# **APPENDIX B -** PHOTOGRAPHS


**PHOTO 3 -** Shows some of the protected oak and sycamore trees on site. These trees will be retained and protected in place.

# **APPENDIX B -** PHOTOGRAPHS

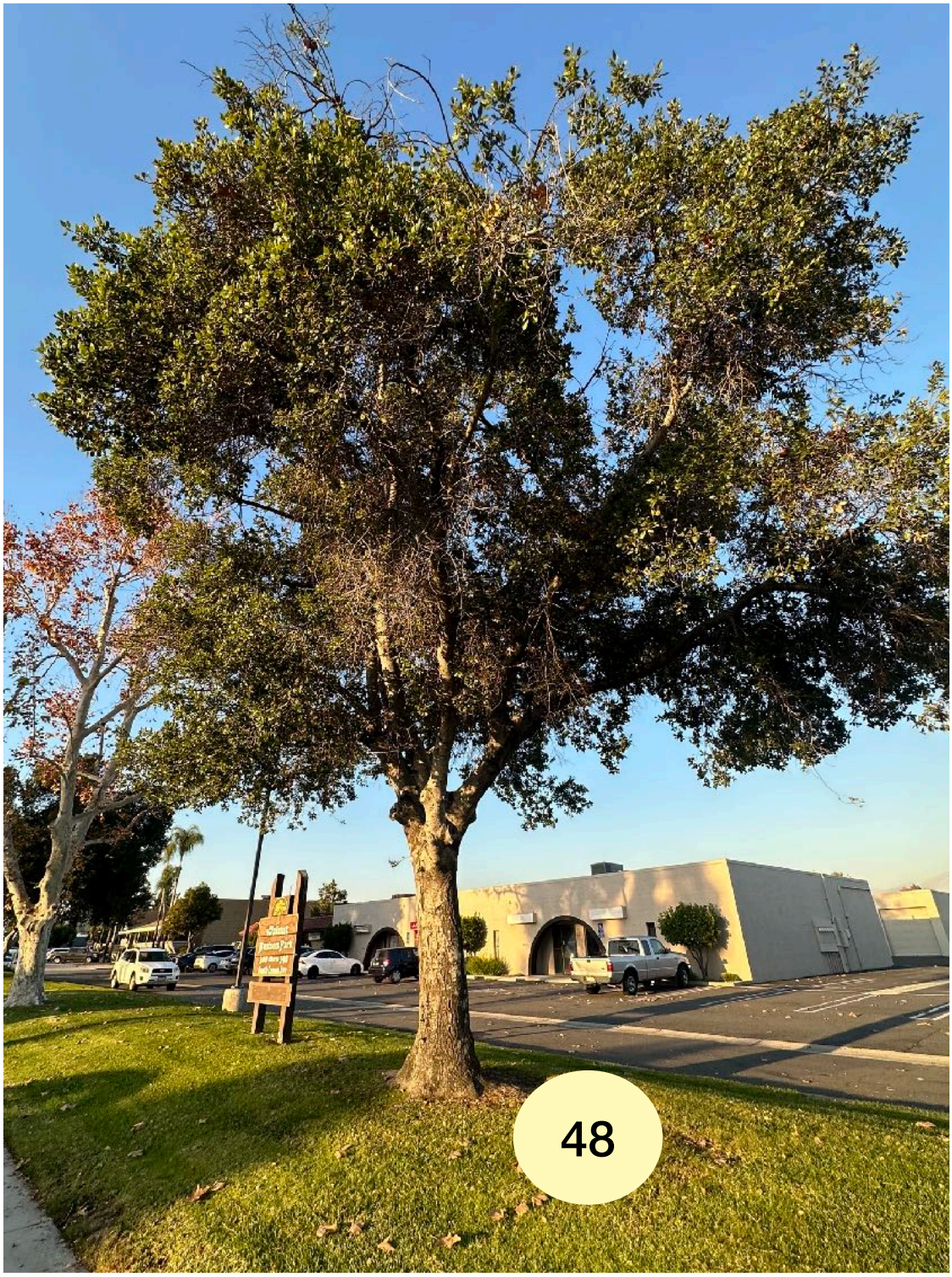



**PHOTO 4 -** Shows some of the protected oak and sycamore trees on site. These trees will be retained and protected in place.

# **APPENDIX B -** PHOTOGRAPHS

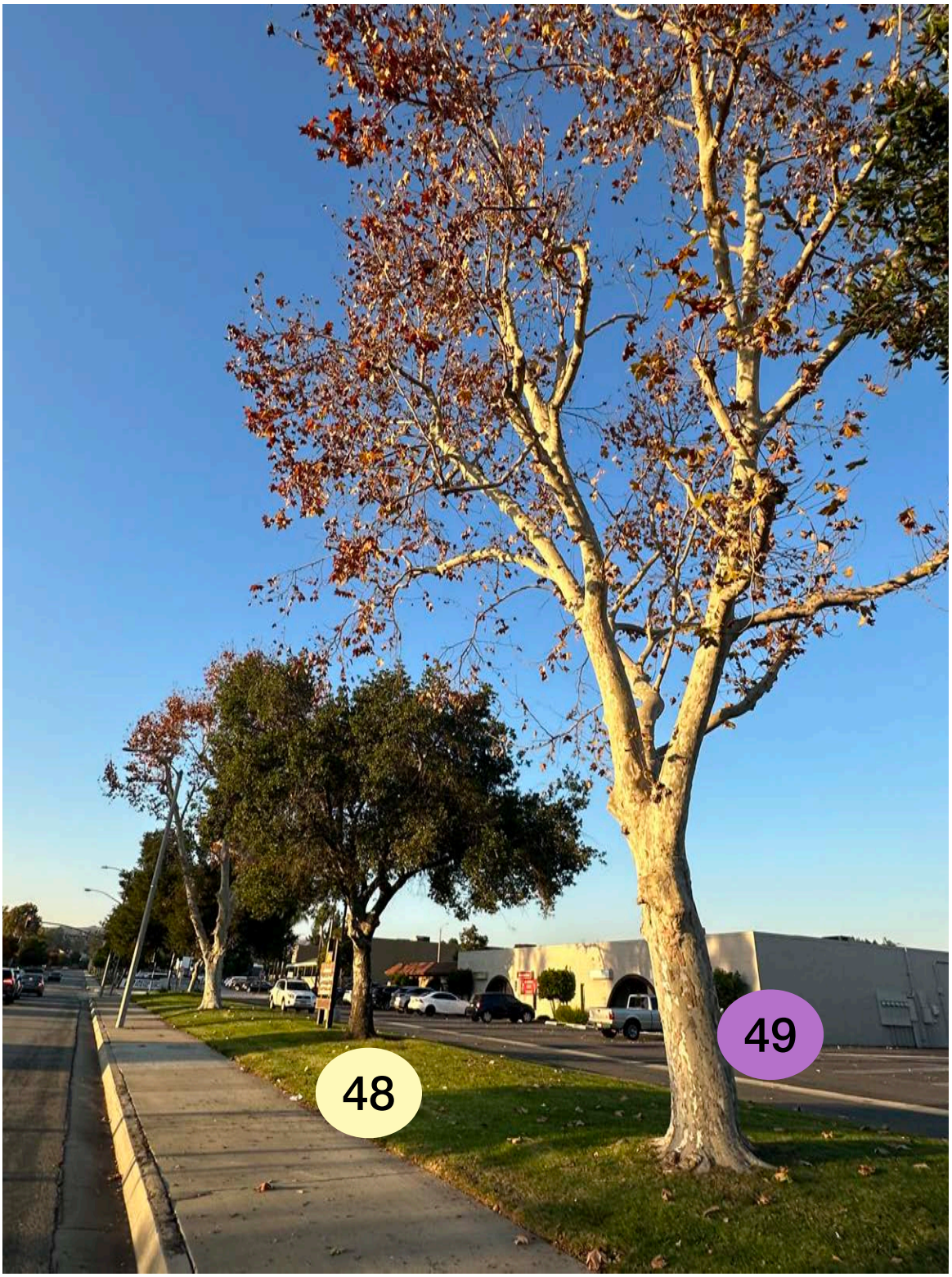



**PHOTO 5 -** Shows trees on site, which include London Plane, Brazilian Pepper, and other non-protected trees. Removals are focused on areas of future development and root impacts that will not be tolerable.

# **APPENDIX B -** PHOTOGRAPHS

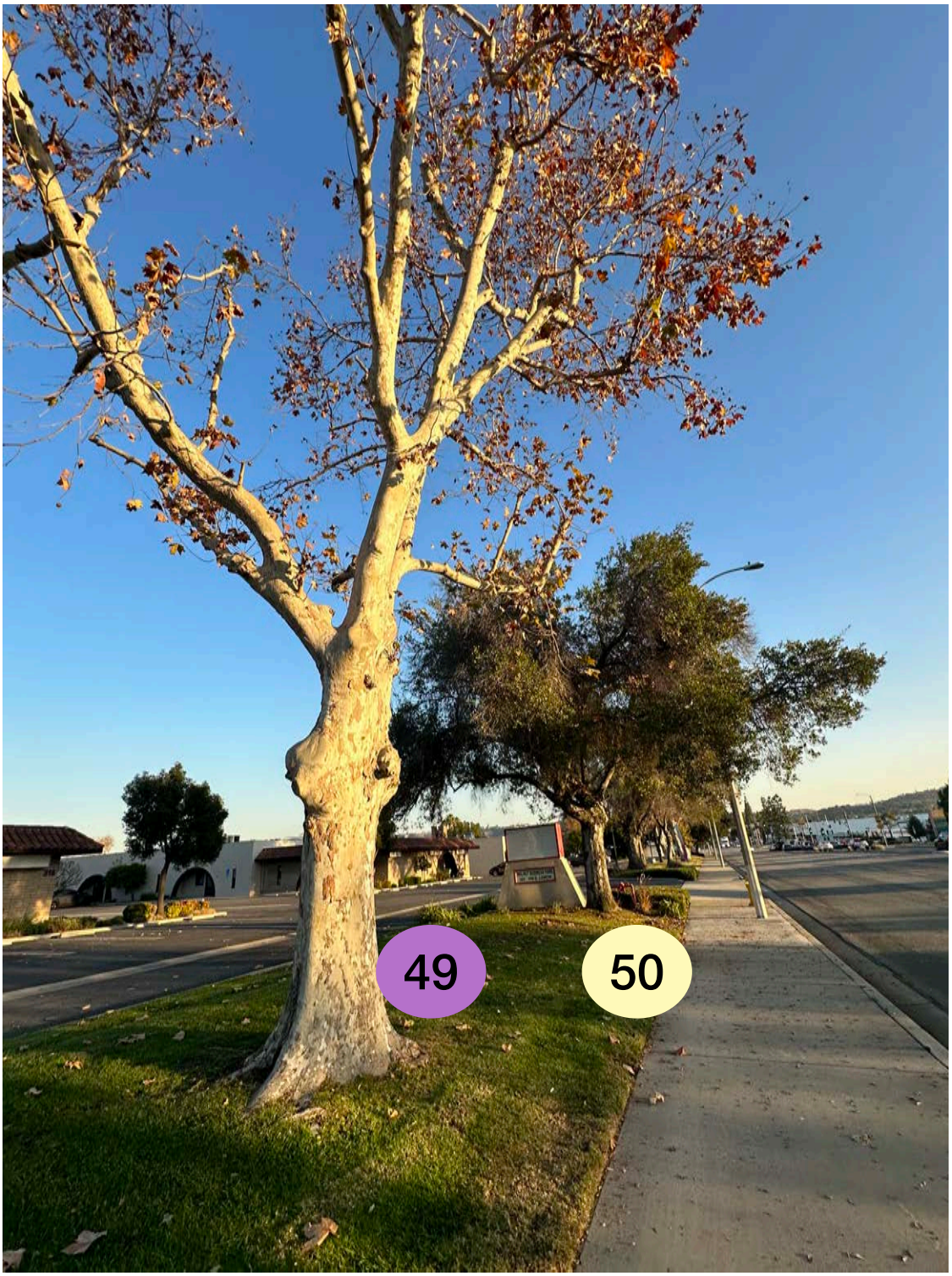



**PHOTO 6 -** Shows trees on site, which include London Plane, Brazilian Pepper, and other non-protected trees. Removals are focused on areas of future development and root impacts that will not be tolerable.

# **APPENDIX B -** PHOTOGRAPHS

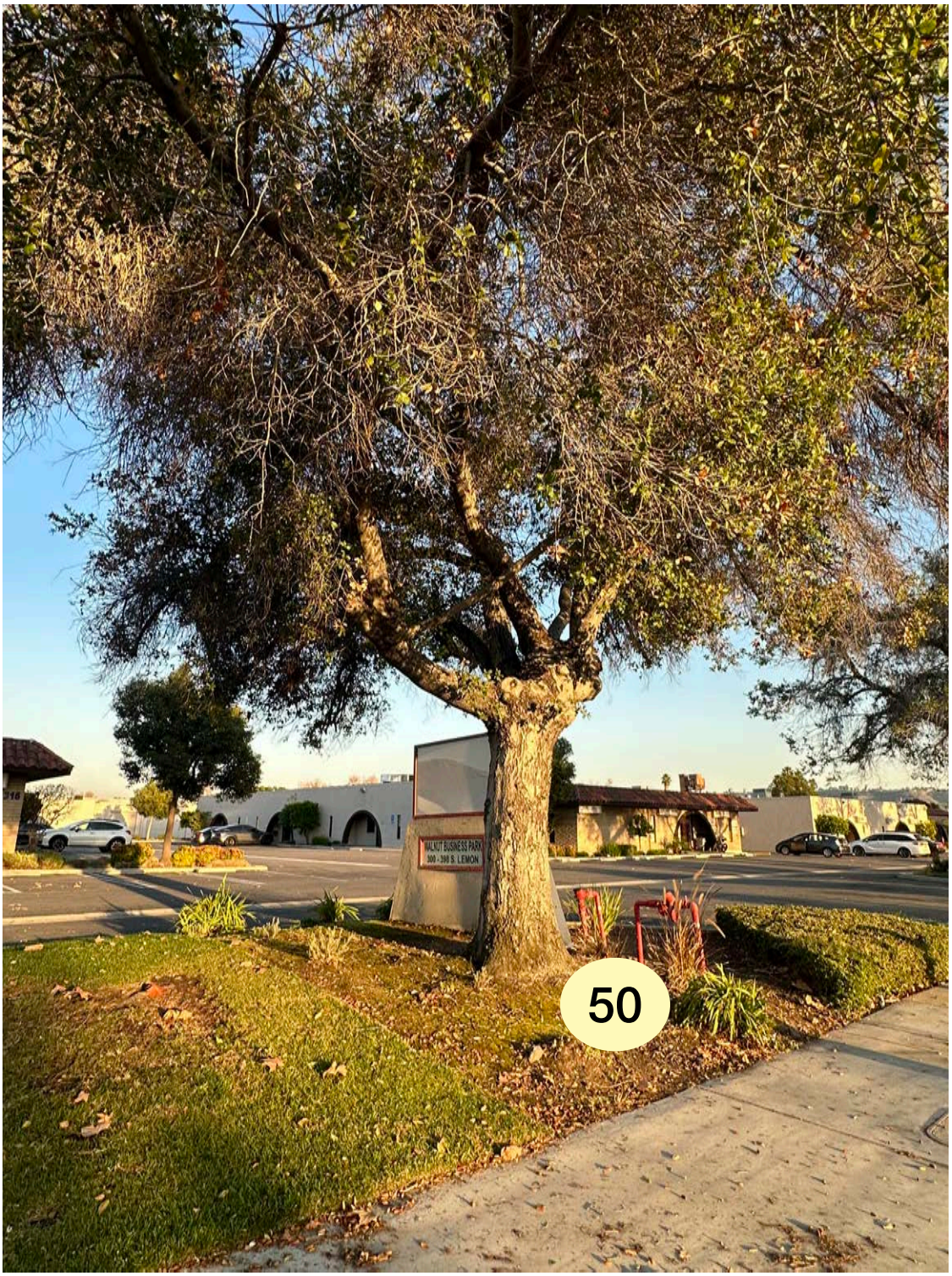



**PHOTO 7 -** Shows trees on site, which include London Plane, Brazilian Pepper, and other non-protected trees. Removals are focused on areas of future development and root impacts that will not be tolerable.

# **APPENDIX B -** PHOTOGRAPHS

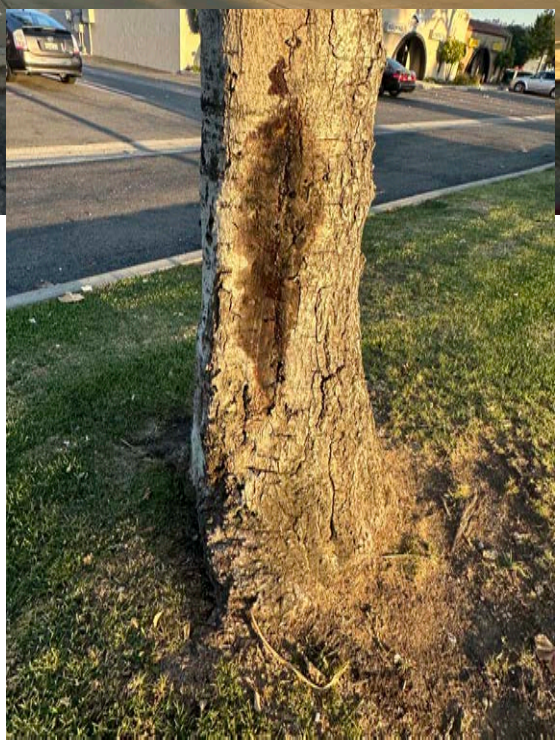



**PHOTO 8 -** Shows some of the protected oak and sycamore trees on site. These trees will be retained and protected in place.

# **APPENDIX B -** PHOTOGRAPHS


**PHOTO 9 -** Shows some of the protected oak trees on site. These trees will be retained and protected in place.

# APPENDIX B - PHOTOGRAPHS


**PHOTO 10 -** Shows some of the protected oak and sycamore trees on site. These trees will be retained and protected in place.

# **APPENDIX B -** PHOTOGRAPHS


**PHOTO 11 -** Shows some of the protected oak and sycamore trees on site. These trees will be retained and protected in place.

# **APPENDIX B -** PHOTOGRAPHS


**PHOTO 12 -** Shows some of the protected oak and sycamore trees on site. These trees will be retained and protected in place.

# **APPENDIX B -** PHOTOGRAPHS


**PHOTO 13 -** Shows some of the protected oak and sycamore trees on site. These trees will be retained and protected in place.

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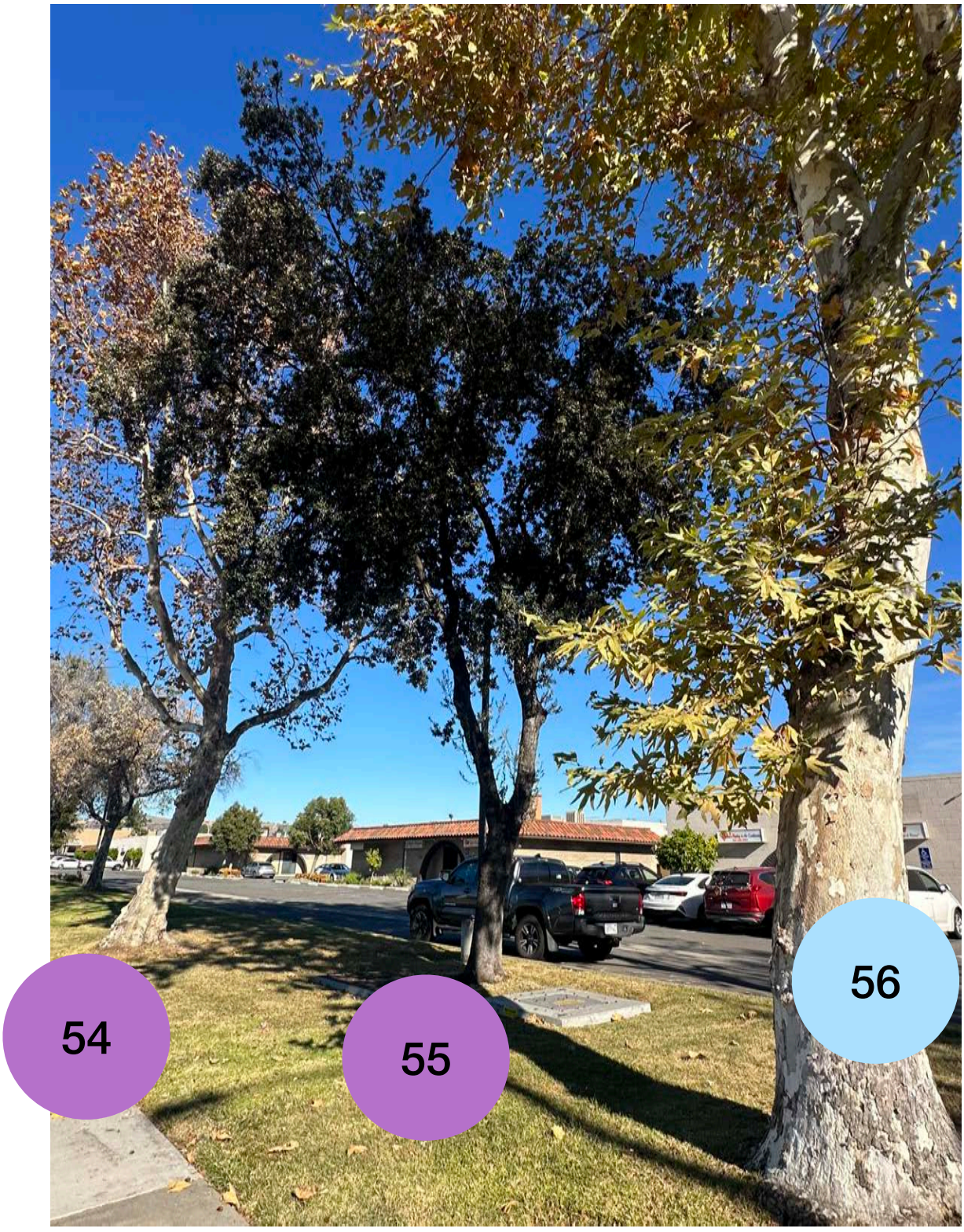



**PHOTO 14 -** Shows some of the protected oak and sycamore trees on site. These trees will be retained and protected in place.

# **APPENDIX B -** PHOTOGRAPHS


**PHOTO 15 -** Shows some of the protected oak trees on site. These trees will be retained and protected in place.

# **APPENDIX B -** PHOTOGRAPHS

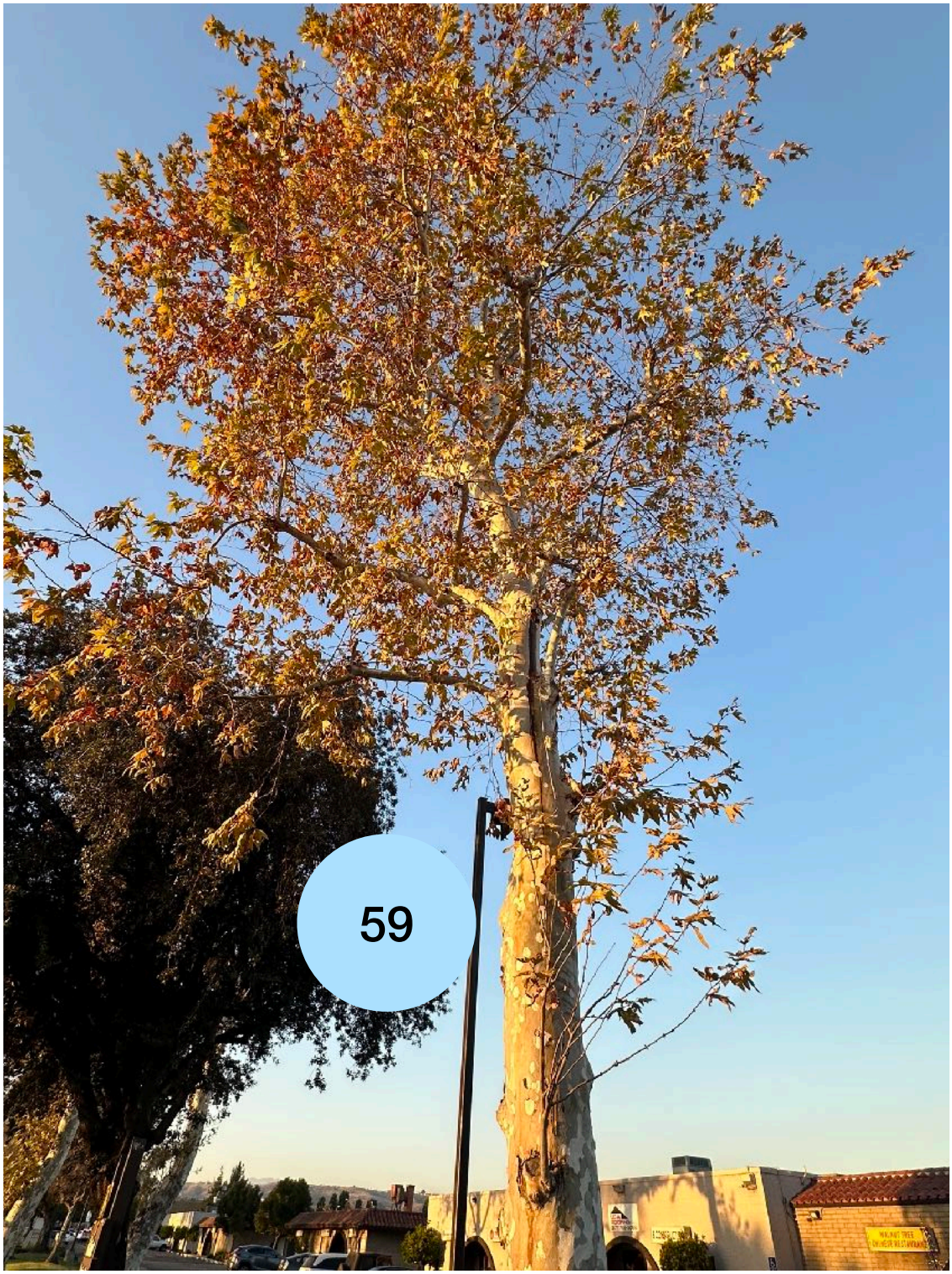



**PHOTO 16 -** Shows trees on site, which include London Plane, Brazilian Pepper, and other non-protected trees. Removals are focused on areas of future development and root impacts that will not be tolerable.

# **APPENDIX B -** PHOTOGRAPHS

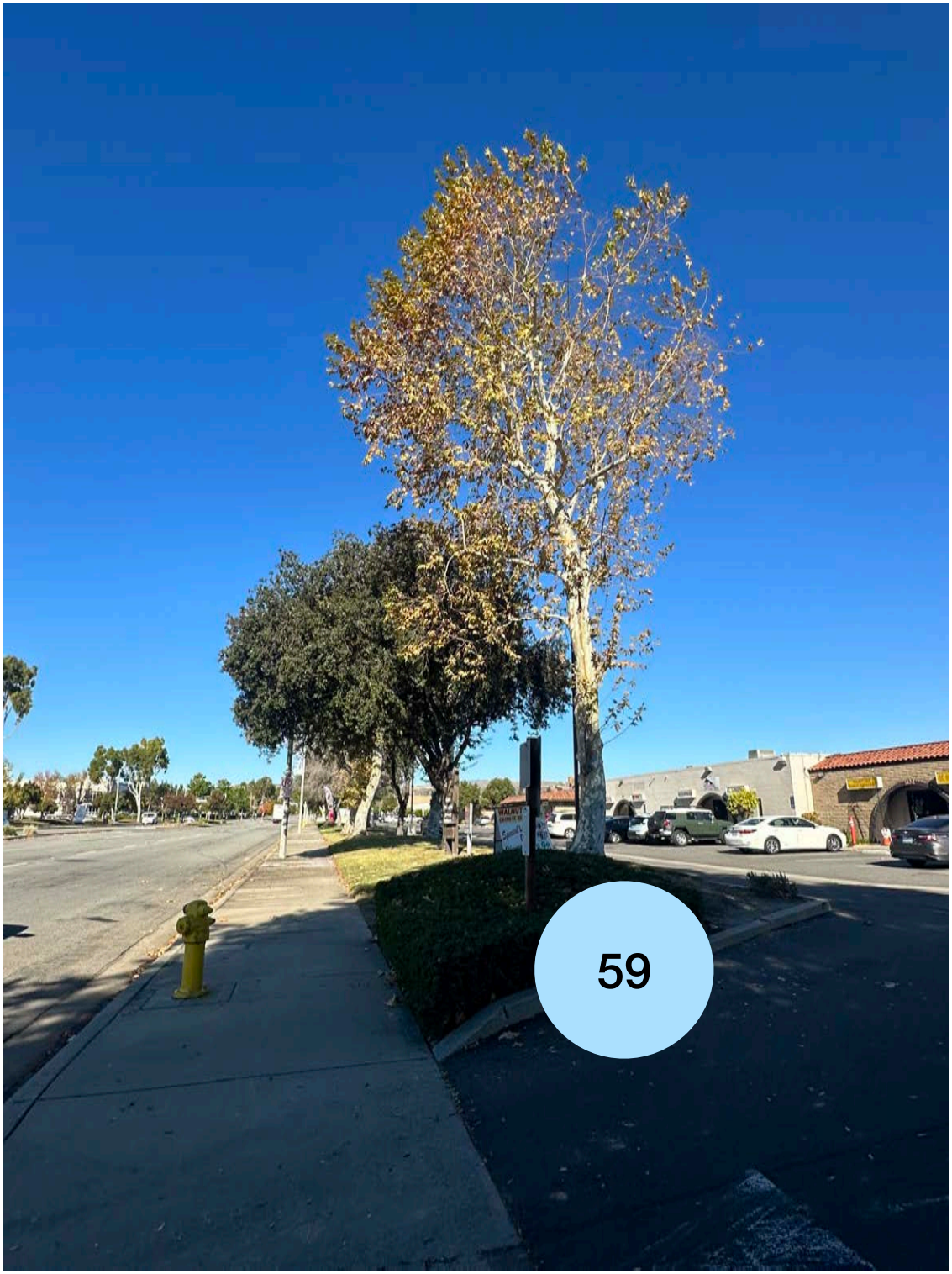



**PHOTO 17 -** Shows trees on site, which include London Plane, Brazilian Pepper, and other non-protected trees. Removals are focused on areas of future development and root impacts that will not be tolerable.

# **APPENDIX B -** PHOTOGRAPHS


**PHOTO 18 -** Shows some of the protected oak and sycamore trees on site. These trees will be retained and protected in place.

# **APPENDIX B -** PHOTOGRAPHS

**PHOTO 19 -** Shows trees on site, which include London Plane, Brazilian Pepper, and other non-protected trees. Removals are focused on areas of future development and root impacts that will not be tolerable.

# **APPENDIX B -** PHOTOGRAPHS

**PHOTO 20 -** Shows trees on site, which include London Plane, Brazilian Pepper, and other non-protected trees. Removals are focused on areas of future development and root impacts that will not be tolerable.

# **APPENDIX B -** PHOTOGRAPHS

**PHOTO 21 -** Shows trees on site, which include London Plane, Brazilian Pepper, and other non-protected trees. Removals are focused on areas of future development and root impacts that will not be tolerable.

# **APPENDIX B -** PHOTOGRAPHS

**PHOTO 22 -** Shows trees on site, which include London Plane, Brazilian Pepper, and other non-protected trees. Removals are focused on areas of future development and root impacts that will not be tolerable.

# **APPENDIX B -** PHOTOGRAPHS

**PHOTO 23 -** Shows trees on site, which include London Plane, Brazilian Pepper, and other non-protected trees. Removals are focused on areas of future development and root impacts that will not be tolerable.

# **APPENDIX B -** PHOTOGRAPHS

**PHOTO 24 -** Shows trees on site, which include London Plane, Brazilian Pepper, and other non-protected trees. Removals are focused on areas of future development and root impacts that will not be tolerable.

# APPENDIX B - PHOTOGRAPHS

**PHOTO 25 -** Shows trees on site, which include London Plane, Brazilian Pepper, and other non-protected trees. Removals are focused on areas of future development and root impacts that will not be tolerable.

# **APPENDIX B -** PHOTOGRAPHS

**PHOTO 26 -** Shows trees on site, which include London Plane, Brazilian Pepper, and other non-protected trees. Removals are focused on areas of future development and root impacts that will not be tolerable.

# **APPENDIX B -** PHOTOGRAPHS

**PHOTO 27 -** Shows trees on site, which include London Plane, Brazilian Pepper, and other non-protected trees. Removals are focused on areas of future development and root impacts that will not be tolerable.

# **APPENDIX B -** PHOTOGRAPHS


**PHOTO 28 -** Shows trees on site, which include London Plane, Brazilian Pepper, and other non-protected trees. Removals are focused on areas of future development and root impacts that will not be tolerable.

# **APPENDIX B -** PHOTOGRAPHS


**PHOTO 29 -** Shows trees on site, which include London Plane, Brazilian Pepper, and other non-protected trees. Removals are focused on areas of future development and root impacts that will not be tolerable.

# **APPENDIX B -** PHOTOGRAPHS


**PHOTO 30 -** Shows trees on site, which include London Plane, Brazilian Pepper, and other non-protected trees. Removals are focused on areas of future development and root impacts that will not be tolerable.

# **APPENDIX B -** PHOTOGRAPHS

**PHOTO 31 -** Shows trees on site, which include London Plane, Brazilian Pepper, and other non-protected trees. Removals are focused on areas of future development and root impacts that will not be tolerable.

# **APPENDIX B -** PHOTOGRAPHS


**PHOTO 32 -** Shows trees on site, which include London Plane, Brazilian Pepper, and other non-protected trees. Removals are focused on areas of future development and root impacts that will not be tolerable.

# **APPENDIX B -** PHOTOGRAPHS

**PHOTO 33 -** Shows trees on site, which include London Plane, Brazilian Pepper, and other non-protected trees. Removals are focused on areas of future development and root impacts that will not be tolerable.

# **APPENDIX B -** PHOTOGRAPHS


**PHOTO 34 -** Shows trees on site, which include London Plane, Brazilian Pepper, and other non-protected trees. Removals are focused on areas of future development and root impacts that will not be tolerable.

# **APPENDIX B -** PHOTOGRAPHS


**PHOTO 35 -** Shows trees on site, which include London Plane, Brazilian Pepper, and other non-protected trees. Removals are focused on areas of future development and root impacts that will not be tolerable.

# **APPENDIX B -** PHOTOGRAPHS

**PHOTO 36 -** Shows trees on site, which include London Plane, Brazilian Pepper, and other non-protected trees. Removals are focused on areas of future development and root impacts that will not be tolerable.

# **APPENDIX C -** SUMMARY OF FIELD INSPECTION

Rating Code: A = Excellent, B = Good, C = Fair, D = Poor, E = Nearly Dead, F = Dead

| Tree # | Species | Status | DBH (") | Height (') | Spread (') | Summary of Condition | Retain or Remove |
|---|---|---|---|---|---|---|---|
| 1 | Paperbark *Melaleuca quinquinervia* | Non-Protected | 18.5 | 35 | 15 | Fair | Retain |
| 2 | Camphor *Cinnamomum camphora* | Non-Protected | 12.5 | 30 | 15 | Fair | Retain |
| 3 | Camphor *Cinnamomum camphora* | Non-Protected | 17.5 | 30 | 15 | Fair | Retain |
| 4 | Camphor *Cinnamomum camphora* | Non-Protected | 12.5 | 30 | 15 | Fair-Poor | Retain |
| 5 | London Plane Tree *Platanus x acerfolia* | Non-Protected | 25.5 | 40 | 25 | Fair | Retain |
| 6 | London Plane Tree *Platanus x acerfolia* | Non-Protected | 18 | 35 | 20 | Fair | Retain |
| 7 | Camphor *Cinnamomum camphora* | Non-Protected | 17.5 | 25 | 20 | Fair-Poor | Retain |
| 8 | London Plane Tree *Platanus x acerfolia* | Non-Protected | 12 | 20 | 20 | Fair-Poor | Retain |
| 9 | London Plane Tree *Platanus x acerfolia* | Non-Protected | 9 | 20 | 12 | Fair-Poor | Retain |
| 10 | Camphor *Cinnamomum camphora* | Non-Protected | 15.5 | 25 | 20 | Fair-Poor | Retain |
| 11 | Camphor *Cinnamomum camphora* | Non-Protected | 13 | 30 | 25 | Fair | Retain |
| 12 | Camphor *Cinnamomum camphora* | Non-Protected | 13.5 | 30 | 20 | Fair | Retain |
| 13 | London Plane Tree *Platanus x acerfolia* | Non-Protected | 23.5 | 45 | 30 | Fair | Retain |
| 14 | London Plane Tree *Platanus x acerfolia* | Non-Protected | 20 | 40 | 30 | Fair | Retain |
| 15 | London Plane Tree *Platanus x acerfolia* | Non-Protected | 13.5 | 25 | 15 | Fair-Poor | Retain |
| 16 | London Plane Tree *Platanus x acerfolia* | Non-Protected | 13.5 | 25 | 20 | Fair-Poor | Retain |
| 17 | Camphor *Cinnamomum camphora* | Non-Protected | 9 | 20 | 15 | Fair | Remove |
| 18 | Camphor *Cinnamomum camphora* | Non-Protected | 11.5 | 20 | 20 | Fair | Remove |
| 19 | Camphor *Cinnamomum camphora* | Non-Protected | 14.5 | 20 | 20 | Fair | Retain |
| 20 | London Plane Tree *Platanus x acerfolia* | Non-Protected | 17 | 45 | 25 | Fair | Retain |

# **APPENDIX C -** SUMMARY OF FIELD INSPECTION

Rating Code: A = Excellent, B = Good, C = Fair, D = Poor, E = Nearly Dead, F = Dead

| Tree # | Species | Status | DBH (") | Height (') | Spread (') | Summary of Condition | Retain or Remove |
|---|---|---|---|---|---|---|---|
| **21** | Camphor *Cinnamomum amphora* | Non-Protected | 6.5 | 10 | 6 | Poor | Retain |
| **22** | Camphor *Cinnamomum amphora* | Non-Protected | 5, 4 | 10 | 8 | Fair | Remove |
| **23** | Southern Magnolia *Magnolia grandiflora* | Non-Protected | 6 | 15 | 12 | Fair | Remove |
| **24** | Acacia *Acacia mearnsii* | Non-Protected | 7 | 15 | 20 | Fair | Remove |
| **25** | Brazilian Pepper *Schinus terebinthifolius* | Non-Protected | 18 | 15 | 20 | Fair | Remove |
| **26** | Camphor *Cinnamomum amphora* | Non-Protected | 6.5 | 12 | 10 | Fair | Remove |
| **27** | London Plane Tree *Platanus x acerfolia* | Non-Protected | 14.5 | 25 | 20 | Fair | Retain |
| **28** | Southern Magnolia *Magnolia grandiflora* | Non-Protected | 11 | 20 | 20 | Fair | Retain |
| **29** | Southern Magnolia *Magnolia grandiflora* | Non-Protected | 15.5 | 30 | 25 | Fair | Remove |
| **30** | Camphor *Cinnamomum amphora* | Non-Protected | 12 | 25 | 20 | Fair | Retain |
| **31** | Camphor *Cinnamomum amphora* | Non-Protected | 11 | 25 | 20 | Fair | Retain |
| **32** | Camphor *Cinnamomum amphora* | Non-Protected | 8 | 20 | 15 | Fair | Retain |
| **33** | London Plane Tree *Platanus x acerfolia* | Non-Protected | 11 | 20 | 15 | Fair-Poor | Retain |
| **33** | London Plane Tree *Platanus x acerfolia* | Non-Protected | 19 | 35 | 30 | Fair | Retain |
| **34** | Southern Magnolia *Magnolia grandiflora* | Non-Protected | 7.5 | 15 | 10 | Fair | Remove |
| **35** | Southern Magnolia *Magnolia grandiflora* | Non-Protected | 7.5 | 15 | 10 | Poor | Remove |
| **36** | London Plane Tree *Platanus x acerfolia* | Non-Protected | 24 | 40 | 25 | Fair | Retain |
| **37** | London Plane Tree *Platanus x acerfolia* | Non-Protected | 11 | 25 | 15 | Poor | Remove |
| **38** | London Plane Tree *Platanus x acerfolia* | Non-Protected | 24 | | | Fair | Retain |
| **39** | fruit tree | Non-Protected | 5, 4 | 10 | 10 | Dead | Remove |
| **40** | Southern Magnolia *Magnolia grandiflora* | Non-Protected | 12.5 | | | Fair | Retain |

# **APPENDIX C -** SUMMARY OF FIELD INSPECTION

Rating Code: A = Excellent, B = Good, C = Fair, D = Poor, E = Nearly Dead, F = Dead

| Tree # | Species | Status | DBH (") | Height (') | Spread (') | Summary of Condition | Retain or Remove |
|---|---|---|---|---|---|---|---|
| 41 | Southern Magnolia *Magnolia grandiflora* | Non-Protected | 8 | 18 | 10 | Fair | Retain |
| 42 | Citrus *Citrus sp* | Non-Protected | 2, 2, 1 | 10 | 10 | Fair | Retain |
| 43 | Southern Magnolia *Magnolia grandiflora* | Non-Protected | 6.5 | 20 | 12 | Fair | Retain |
| 44 | Camphor *Cinnamomum camphora* | Non-Protected | 9.5 | 20 | 15 | Fair | Remove |
| 45 | London Plane Tree *Platanus x acerfolia* | Non-Protected | 15 | 25 | 25 | Fair | Retain |
| 46 | Coast Live Oak *Quercus agrifolia* | Protected | 22.5 | 35 | 45 | Fair | Retain |
| 47 | London Plane Tree *Platanus x acerfolia* | Non-Protected | 26 | 35 | 30 | Fair | Retain |
| 48 | Coast Live Oak *Quercus agrifolia* | Protected | 19.5 | 30 | 25 | Fair-Poor | Retain |
| 49 | London Plane Tree *Platanus x acerfolia* | Non-Protected | 23.5 | 35 | 30 | Fair | Retain |
| 50 | Coast Live Oak *Quercus agrifolia* | Protected | 22.5 | 30 | 35 | Poor | Retain |
| 51 | Coast Live Oak *Quercus agrifolia* | Protected | 26.5 | 35 | 35 | Poor | Retain |
| 52 | Coast Live Oak *Quercus agrifolia* | Protected | 14.5 | 25 | 20 | Dead | Retain |
| 53 | Coast Live Oak *Quercus agrifolia* | Protected | 14.5 | 25 | 20 | Dead | Retain |
| 54 | London Plane Tree *Platanus x acerfolia* | Non-Protected | 22 | 40 | 30 | Fair | Retain |
| 55 | Holly Oak *Quercus ilex* | Non-Protected | 15 | 30 | 25 | Poor - rotted | Retain |
| 56 | Western Sycamore *Platanus racemosa* | Protected | 23.5 | 40 | 25 | Fair | Retain |
| 57 | Western Sycamore *Platanus racemosa* | Protected | 22 | 40 | 20 | Fair-Poor | Retain |
| 58 | Holly Oak *Quercus ilex* | Non-Protected | 16.5 | 35 | 30 | Fair | Retain |
| 59 | Western Sycamore *Platanus racemosa* | Protected | 21.5 | 45 | 25 | Fair-Poor | Retain |
| 60 | Holly Oak *Quercus ilex* | Non-Protected | 22.5 | 40 | 35 | Fair | Retain |

# **APPENDIX C -** SUMMARY OF FIELD INSPECTION

Rating Code: A = Excellent, B = Good, C = Fair, D = Poor, E = Nearly Dead, F = Dead

| Tree # | Species | Status | DBH (") | Height (') | Spread (') | Summary of Condition | Retain or Remove |
|---|---|---|---|---|---|---|---|
| **61** | Brazilian Pepper *Schinus terebinthifolius* | Non-Protected | 26 | 35 | 40 | Fair | Retain |
| **62** | Camphor *Cinnamomum camphora* | Non-Protected | 6.75 | 15 | 10 | Fair | Retain |
| **63** | Citrus *Citrus spp.* | Non-Protected | 12 | 15 | 15 | Fair | Retain |
| **64** | Camphor *Cinnamomum camphora* | Non-Protected | 18 | 30 | 25 | Fair | Retain |
| **65** | Camphor *Cinnamomum camphora* | Non-Protected | 14 | 25 | 25 | Fair | Retain |
| **66** | Camphor *Cinnamomum camphora* | Non-Protected | 13 | 25 | 10 | Fair | Retain |
| **67** | Camphor *Cinnamomum camphora* | Non-Protected | 15 | 25 | 20 | Fair | Retain |
| **68** | Peach Tree *Prunus persica* | Non-Protected | 6, 5 | 15 | 15 | Fair | Remove |
| **69** | Fig *Ficus carica* | Non-Protected | 7, 4 | 15 | 15 | Fair | Retain |
| **70** | Camphor *Cinnamomum camphora* | Non-Protected | 8 | 15 | 12 | Fair | Remove |
| **71** | Camphor *Cinnamomum camphora* | Non-Protected | 8 | 15 | 12 | Fair | Remove |
| **72** | Camphor *Cinnamomum camphora* | Non-Protected | 6 | 15 | 12 | Fair | Remove |
| **73** | Camphor *Cinnamomum camphora* | Non-Protected | 5 | 15 | 12 | Fair | Remove |
| **74** | London Plane Tree *Platanus x acerfolia* | Non-Protected | 22 | 40 | 25 | Fair-Poor | Retain |
| **75** | Brazilian Pepper *Schinus terebinthifolius* | Non-Protected | 28 | 35 | 30 | Fair-Poor | Retain |
| **76** | Camphor *Cinnamomum camphora* | Non-Protected | 8 | 12 | 6 | Poor | Retain |
| **77** | Camphor *Cinnamomum camphora* | Non-Protected | 18 | 25 | 20 | Fair-Poor | Retain |
| **78** | London Plane Tree *Platanus x acerfolia* | Non-Protected | 22 | 40 | 30 | Fair | Retain |
| **79** | Camphor *Cinnamomum camphora* | Non-Protected | 20 | 40 | 30 | Fair | Remove |
| **80** | Brazilian Pepper *Schinus terebinthifolius* | Non-Protected | 20 | 35 | 30 | Fair-Poor | Retain |

# **APPENDIX C -** SUMMARY OF FIELD INSPECTION

Rating Code: A = Excellent, B = Good, C = Fair, D = Poor, E = Nearly Dead, F = Dead

| Tree # | Species | Status | DBH (") | Height (') | Spread (') | Summary of Condition | Retain or Remove |
|---|---|---|---|---|---|---|---|
| **81** | Brazilian Pepper *Schinus terebinthifolius* | Non-Protected | 14 | 20 | 20 | Fair-Poor | Remove |
| **82** | London Plane Tree *Platanus x acerfolia* | Non-Protected | 20 | 40 | 35 | Fair | Retain |
| **83** | Brazilian Pepper *Schinus terebinthifolius* | Non-Protected | 22 | 35 | 25 | Fair | Retain |
| **84** | Camphor *Cinnamomum camphora* | Non-Protected | 10 | 18 | 10 | Poor | Retain |
| **85** | London Plane Tree *Platanus x acerfolia* | Non-Protected | 22 | 45 | 35 | Fair | Retain |
| **86** | Brazilian Pepper *Schinus terebinthifolius* | Non-Protected | 35 @ 1' | 40 | 35 | Fair | Retain |
| **87** | Brazilian Pepper *Schinus terebinthifolius* | Non-Protected | 12 | 15 | 8 | Poor | Remove |
| **88** | Camphor *Cinnamomum camphora* | Non-Protected | 15 | 25 | 12 | Poor | Retain |
| **89** | London Plane Tree *Platanus x acerfolia* | Non-Protected | 24 | 40 | 35 | Fair | Retain |
| **90** | Brazilian Pepper *Schinus terebinthifolius* | Non-Protected | 20 @1' | 30 | 30 | Fair | Retain |
| **91** | Camphor *Cinnamomum camphora* | Non-Protected | 24 | 45 | 40 | Fair | Retain |
| **92** | Camphor *Cinnamomum camphora* | Non-Protected | 12 | 25 | 25 | Fair | Remove |
| **93** | Camphor *Cinnamomum camphora* | Non-Protected | 12 | 25 | 25 | Fair | Remove |
| **94** | Camphor *Cinnamomum camphora* | Non-Protected | 10 | 20 | 20 | Fair | Remove |
| **95** | London Plane Tree *Platanus x acerfolia* | Non-Protected | 12 | 20 | 20 | Poor | Retain |
| **96** | London Plane Tree *Platanus x acerfolia* | Non-Protected | 8 | 18 | 12 | Poor | Retain |
| **97** | Camphor *Cinnamomum camphora* | Non-Protected | 18 | 30 | 30 | Fair | Retain |
| **98** | London Plane Tree *Platanus x acerfolia* | Non-Protected | 10 | 25 | 15 | Poor | Retain |
| **99** | London Plane Tree *Platanus x acerfolia* | Non-Protected | 11 | 20 | 15 | Poor | Retain |
| **100** | London Plane Tree *Platanus x acerfolia* | Non-Protected | 12 | 20 | 15 | Poor | Retain |

# **APPENDIX C -** SUMMARY OF FIELD INSPECTION

Rating Code: A = Excellent, B = Good, C = Fair, D = Poor, E = Nearly Dead, F = Dead

| Tree # | Species | Status | DBH (") | Height (') | Spread (') | Summary of Condition | Retain or Remove |
|---|---|---|---|---|---|---|---|
| **101** | London Plane Tree *Platanus x acerfolia* | Non-Protected | 14 | 20 | 20 | Poor | Retain |
| **102** | Camphor *Cinnamomum camphora* | Non-Protected | 14 | 40 | 35 | Fair | Retain |
| **103** | Camphor *Cinnamomum camphora* | Non-Protected | 14 | 35 | 25 | Fair | Retain |
| **104** | London Plane Tree *Platanus x acerfolia* | Non-Protected | 12 | 30 | 20 | Poor | Retain |
| **105** | London Plane Tree *Platanus x acerfolia* | Non-Protected | 11 | 30 | 15 | Poor | Remove |
| **106** | London Plane Tree *Platanus x acerfolia* | Non-Protected | 11 | 20 | 15 | Poor | Remove |
| **107** | London Plane Tree *Platanus x acerfolia* | Non-Protected | 11 | 20 | 15 | Poor | Retain |
| **108** | Camphor *Cinnamomum camphora* | Non-Protected | 10 | 18 | 12 | Fair | Retain |
| **109** | Camphor *Cinnamomum camphora* | Non-Protected | 13 | 25 | 20 | Fair | Retain |
| **110** | London Plane Tree *Platanus x acerfolia* | Non-Protected | 14 | 35 | 25 | Fair-Poor | Retain |
| **111** | London Plane Tree *Platanus x acerfolia* | Non-Protected | 11 | 20 | 15 | Poor | Retain |
| **112** | Camphor *Cinnamomum camphora* | Non-Protected | 12 | 25 | 25 | Fair | Remove |
| **113** | Camphor *Cinnamomum camphora* | Non-Protected | 12 | 25 | 25 | Fair | Retain |
| **114** | London Plane Tree *Platanus x acerfolia* | Non-Protected | 10 | 20 | 15 | Fair | Retain |
| **115** | London Plane Tree *Platanus x acerfolia* | Non-Protected | 5 | 15 | 12 | Fair | Retain |
| **116** | Camphor *Cinnamomum camphora* | Non-Protected | 9 | 15 | 12 | Poor | Retain |
| **117** | Camphor *Cinnamomum camphora* | Non-Protected | 9 | 15 | 12 | Poor | Retain |
| **118** | Camphor *Cinnamomum camphora* | Non-Protected | 8 | 15 | 12 | Poor | Retain |
| **119** | Carrotwood *Cupaniopsis anacardiodes* | Non-Protected | 5 | 16 | 15 | Fair | Retain |
| **120** | London Plane Tree *Platanus x acerfolia* | Non-Protected | 14 | 35 | 20 | Fair | Retain |

# **APPENDIX C -** SUMMARY OF FIELD INSPECTION

Rating Code: A = Excellent, B = Good, C = Fair, D = Poor, E = Nearly Dead, F = Dead

| Tree # | Species | Status | DBH (") | Height (') | Spread (') | Summary of Condition | Retain or Remove |
|---|---|---|---|---|---|---|---|
| **121** | Paperbark *Melaleuca quinquinervia* | Non-Protected | 18 | 25 | 15 | Fair | Remove |
| **122** | Paperbark *Melaleuca quinquinervia* | Non-Protected | 12 | 16 | 6 | Fair | Remove |
| **123** | Paperbark *Melaleuca quinquinervia* | Non-Protected | 14 | 16 | 6 | Fair | Remove |
| **124** | Paperbark *Melaleuca quinquinervia* | Non-Protected | 14 | 20 | 6 | Fair | Remove |
| **125** | Brazilian Pepper Schinus terebinthifolius | Non-Protected | 22 | 35 | 30 | Fair-Poor | Remove |
| **126** | London Plane Tree *Platanus x acerfolia* | Non-Protected | 12 | 25 | 15 | Fair | Retain |
| **127** | Camphor *Cinnamomum camphora* | Non-Protected | 14 | 20 | 15 | Fair-Poor | Retain |
| **128** | London Plane Tree *Platanus x acerfolia* | Non-Protected | 13 | 25 | 20 | Fair-Poor | Retain |
| **129** | Camphor *Cinnamomum camphora* | Non-Protected | 9 | 15 | 15 | Poor | Retain |
| **130** | London Plane Tree *Platanus x acerfolia* | Non-Protected | 20 | 30 | 20 | Fair-Poor | Retain |
| **131** | London Plane Tree *Platanus x acerfolia* | Non-Protected | 20 | 30 | 30 | Fair-Poor | Retain |
| **132** | Camphor *Cinnamomum camphora* | Non-Protected | 12 | 20 | 15 | Fair-Poor | Retain |
| **133** | Camphor *Cinnamomum camphora* | Non-Protected | 7 | 15 | 10 | Fair-Poor | Remove |
| **134** | London Plane Tree *Platanus x acerfolia* | Non-Protected | 12 | 25 | 15 | Fair | Retain |
| **135** | London Plane Tree *Platanus x acerfolia* | Non-Protected | 14 | 30 | 25 | Fair | Retain |
| **136** | Camphor *Cinnamomum camphora* | Non-Protected | 8 | 20 | 12 | Fair | Retain |
| **137** | Camphor *Cinnamomum camphora* | Non-Protected | 8 | 12 | 10 | Fair-Poor | Retain |
| **138** | Camphor *Cinnamomum camphora* | Non-Protected | 7 | 10 | 6 | Fair-Poor | Retain |
| **139** | Brazilian Pepper *Schinus terebinthifolius* | Non-Protected | 22 | 25 | 20 | Fair-Poor | Remove |
| **140** | Brazilian Pepper *Schinus terebinthifolius* | Non-Protected | 12 | 20 | 12 | Fair | Remove |

# **APPENDIX C -** SUMMARY OF FIELD INSPECTION

Rating Code: A = Excellent, B = Good, C = Fair, D = Poor, E = Nearly Dead, F = Dead

| Tree # | Species | Status | DBH (") | Height (') | Spread (') | Summary of Condition | Retain or Remove |
|---|---|---|---|---|---|---|---|
| **141** | London Plane Tree *Platanus x acerfolia* | Non-Protected | 14 | 30 | 25 | Fair | Remove |
| **142** | London Plane Tree *Platanus x acerfolia* | Non-Protected | 12 | 30 | 20 | Fair | Retain |
| **143** | Brazilian Pepper *Schinus terebinthifolius* | Non-Protected | 14 | 25 | 20 | Fair | Remove |
| **144** | London Plane Tree *Platanus x acerfolia* | Non-Protected | 10 | 18 | 10 | Poor | Retain |
| **145** | Camphor *Cinnamomum camphora* | Non-Protected | 12 | 25 | 15 | Fair-Poor | Retain |
| **146** | Camphor *Cinnamomum camphora* | Non-Protected | 15 | 25 | 15 | Fair-Poor | Retain |
| **147** | London Plane Tree *Platanus x acerfolia* | Non-Protected | 18 | 35 | 25 | Fair | Retain |
| **148** | Brazilian Pepper Schinus terebinthifolius | Non-Protected | 14 | 20 | 20 | Fair | Remove |
| **149** | Brazilian Pepper Schinus terebinthifolius | Non-Protected | 10, 10 | 25 | 25 | Fair | Remove |
| **150** | Brazilian Pepper Schinus terebinthifolius | Non-Protected | 10 | 20 | 20 | Fair-Poor | Remove |
| **151** | Camphor *Cinnamomum camphora* | Non-Protected | 10 | 20 | 15 | Fair | Remove |
| **152** | Brazilian Pepper Schinus terebinthifolius | Non-Protected | 13 | 20 | 15 | Fair | Remove |
| **153** | Camphor *Cinnamomum camphora* | Non-Protected | 8 | 20 | 15 | Fair | Remove |
| **154** | Camphor *Cinnamomum camphora* | Non-Protected | 10 | 20 | 20 | Fair | Retain |
| **155** | Camphor *Cinnamomum camphora* | Non-Protected | 8 | 15 | 15 | Fair | Retain |
| **156** | Camphor *Cinnamomum camphora* | Non-Protected | 13 | 20 | 20 | Fair | Remove |
| **157** | London Plane Tree *Platanus x acerfolia* | Non-Protected | 22 | 40 | 35 | Fair | Retain |
| **158** | Camphor *Cinnamomum camphora* | Non-Protected | 20 | 35 | 25 | Fair | Retain |
| **159** | Camphor *Cinnamomum camphora* | Non-Protected | 20 | 35 | 25 | Fair | Remove |
| **160** | Indian Laurel Fig *Ficus microcarpa* 'Nitida' | Non-Protected | 8 | 12 | 12 | Fair-Poor | Remove |

# APPENDIX C - SUMMARY OF FIELD INSPECTION

Rating Code: A = Excellent, B = Good, C = Fair, D = Poor, E = Nearly Dead, F = Dead

| Tree # | Species | Status | DBH (") | Height (') | Spread (') | Summary of Condition | Retain or Remove |
|---|---|---|---|---|---|---|---|
| 161 | Indian Laurel Fig *Ficus microcarpa* 'Nitida' | Non-Protected | 8 | 12 | 12 | Fair-Poor | Remove |
| 162 | Camphor *Cinnamomum camphora* | Non-Protected | 24 | 30 | 30 | Fair | Retain |
| 163 | London Plane Tree *Platanus x acerfolia* | Non-Protected | 6 | 15 | 10 | Poor | Retain |
| 164 | London Plane Tree *Platanus x acerfolia* | Non-Protected | 6 | 15 | 10 | Poor | Retain |
| 165 | London Plane Tree *Platanus x acerfolia* | Non-Protected | 6 | 15 | 10 | Poor | Retain |
| 166 | London Plane Tree *Platanus x acerfolia* | Non-Protected | 6 | 15 | 10 | Poor | Retain |
| 167 | London Plane Tree *Platanus x acerfolia* | Non-Protected | 6 | 15 | 10 | Poor | Remove |
| 168 | Camphor *Cinnamomum camphora* | Non-Protected | 12 | 20 | 15 | Fair-Poor | Retain |
| 169 | London Plane Tree *Platanus x acerfolia* | Non-Protected | 12 | 20 | 15 | Fair-Poor | Remove |
| 170 | London Plane Tree *Platanus x acerfolia* | Non-Protected | 12 | 20 | 15 | Fair-Poor | Retain |
| 171 | London Plane Tree *Platanus x acerfolia* | Non-Protected | 18 | 40 | 25 | Fair | Retain |
| 172 | London Plane Tree *Platanus x acerfolia* | Non-Protected | 14 | 35 | 20 | Fair | Retain |
| 173 | Carrotwood *Cupaniopsis anacardiodes* | Non-Protected | 4, 4 | 15 | 15 | Fair | Retain |
| 174 | London Plane Tree *Platanus x acerfolia* | Non-Protected | 10 | 20 | 20 | Fair | Remove |
| 175 | London Plane Tree *Platanus x acerfolia* | Non-Protected | 13 | 30 | 15 | Fair-Poor | Remove |
| 176 | Carrotwood *Cupaniopsis anacardiodes* | Non-Protected | 5, 3 | 20 | 15 | Fair | Remove |
| 177 | White Alder *Alnus rhombifolia* | Non-Protected | 18 | 30 | 15 | Fair-Poor | Remove |
| 178 | Fig *Ficus carica* | Non-Protected | 10, 8, 8, 6, 6 | 15 | 15 | Fair-Poor | Remove |
| 179 | Lemon-scented gum *Corymbia citriodora* | Non-Protected | 24 | 45 | 30 | Fair | Remove |
| 180 | Brazilian Pepper *Schinus terebinthifolius* | Non-Protected | 6, 5 | 15 | 15 | Fair | Remove |

# **APPENDIX C -** SUMMARY OF FIELD INSPECTION

Rating Code: A = Excellent, B = Good, C = Fair, D = Poor, E = Nearly Dead, F = Dead

| Tree # | Species | Status | DBH (") | Height (') | Spread (') | Summary of Condition | Retain or Remove |
|---|---|---|---|---|---|---|---|
| **181** | Brazilian Pepper *Schinus terebinthifolius* | Non-Protected | 16 | 20 | 20 | Fair-Poor | Remove |
| **182** | Madras Thorn Tree *Pithecellobium dulce* | Non-Protected | 4,4 | 10 | 6 | Fair-Poor | Remove |
| **183** | California Pepper *Schinus molle* | Non-Protected | 22 | 30 | 30 | Fair | Remove |
| **184** | California Pepper *Schinus molle* | Non-Protected | 22 | 30 | 30 | Poor | Retain |
| **185** | Brazilian Pepper *Schinus terebinthifolius* | Non-Protected | 16 | 20 | 20 | Fair-Poor | Remove |
| **186** | London Plane Tree *Platanus x acerfolia* | Non-Protected | 12 | 25 | 15 | Fair | Remove |
| **187** | London Plane Tree *Platanus x acerfolia* | Non-Protected | 12 | 25 | 15 | Poor | Remove |
| **188** | London Plane Tree *Platanus x acerfolia* | Non-Protected | 8, 6 | 20 | 12 | Fair-Poor | Retain |
| **189** | London Plane Tree *Platanus x acerfolia* | Non-Protected | 8 | 20 | 10 | Fair-Poor | Remove |
| **190** | London Plane Tree *Platanus x acerfolia* | Non-Protected | 8, 5 | 15 | 10 | Poor | Retain |
| **191** | London Plane Tree *Platanus x acerfolia* | Non-Protected | 8, 6 | 20 | 15 | Fair-Poor | Retain |
| **192** | London Plane Tree *Platanus x acerfolia* | Non-Protected | 12 | 25 | 25 | Fair-Poor | Retain |
| **193** | London Plane Tree *Platanus x acerfolia* | Non-Protected | 8 | 15 | 10 | Fair-Poor | Retain |
| **194** | London Plane Tree *Platanus x acerfolia* | Non-Protected | 12 | 25 | 15 | Fair-Poor | Remove |
| **195** | London Plane Tree *Platanus x acerfolia* | Non-Protected | 9 | 15 | 10 | Fair-Poor | Remove |
| **196** | Shiny Xylosma *Xylosma congesta* | Non-Protected | 12 | 20 | 20 | Fair-Poor | Remove |
| **197** | Shiny Xylosma *Xylosma congesta* | Non-Protected | 12 | 20 | 20 | Fair-Poor | Retain |
| **198** | Shiny Xylosma *Xylosma congesta* | Non-Protected | 12 | 20 | 20 | Fair | Retain |
| **199** | Carrotwood *Cupaniopsis anacardiodes* | Non-Protected | 14 | 20 | 20 | Fair | Retain |
| **200** | Carrotwood *Cupaniopsis anacardiodes* | Non-Protected | 14 | 20 | 20 | Fair | Retain |

# APPENDIX D - SUMMARY OF DATA

## Table 1. Summary of Data - Total Protected Trees or Shrubs On Site

| **Coast Live Oak (*Quercus agrifolia*)** | **6** |
|---|---|
| Number of Native Coast Live Oak trees to be removed | 0 |
| Number of Native Coast Live Oak trees to be minimally impacted by the construction | 0 |
| Number of Native Coast Live Oak trees not dead, to be retained, and/or where natural grade is unchanged | 6 |

| **Western Sycamore (*Platanus racemosa*)** | **3** |
|---|---|
| Number of Western Sycamore trees to be removed | 0 |
| Number of Western Sycamore trees to be minimally impacted by the construction | 0 |
| Number of Western Sycamore trees not dead, to be retained, and/or where natural grade is unchanged | 3 |

| | |
|---|---|
| **Total Protected Trees or Shrubs (DBH 4" or greater)** | 9 |
| **Total Protected Trees or Shrubs to be removed** | 0 |
| **Total Protected Trees or Shrubs to be minimally impacted** | 0 |
| **Total Protected Trees or Shrubs to be retained, and/or where natural grade is unchanged** | 9 |

# APPENDIX D - SUMMARY OF DATA

## Table 2. Schedule of Proposed Removals

RECOMMENDATION

| Tree # | Species | Status | Condition | Retain or Remove | Reason for Removal |
|---|---|---|---|---|---|
| 17 | Camphor<br>Cinnamomum camphora | Non-Protected | Fair | Remove | Construction Impact |
| 18 | Camphor<br>Cinnamomum camphora | Non-Protected | Fair | Remove | Construction Impact |
| 22 | Camphor<br>Cinnamomum amphora | Non-Protected | Fair | Remove | Construction Impact |
| 23 | Southern Magnolia<br>Magnolia grandiflora | Non-Protected | Fair | Remove | Construction Impact |
| 24 | Acacia<br>Acacia mearnsii | Non-Protected | Fair | Remove | Construction Impact |
| 25 | Brazilian Pepper<br>Schinus terebinthifolius | Non-Protected | Fair | Remove | Construction Impact |
| 26 | Camphor<br>Cinnamomum amphora | Non-Protected | Fair | Remove | Construction Impact |
| 29 | Southern Magnolia<br>Magnolia grandiflora | Non-Protected | Fair | Remove | Construction Impact |
| 34 | Southern Magnolia<br>Magnolia grandiflora | Non-Protected | Poor | Remove | Construction Impact |
| 35 | Southern Magnolia<br>Magnolia grandiflora | Non-Protected | Fair | Remove | Construction Impact |
| 37 | London Plane Tree<br>Platanus x acerfolia | Non-Protected | Poor | Remove | Construction Impact |
| 39 | Fruit tree | Non-Protected | Dead | Remove | Construction Impact |
| 44 | Camphor<br>Cinnamomum camphora | Non-Protected | Fair | Remove | Construction Impact |
| 68 | Peach Tree<br>Prunus persica | Non-Protected | Fair | Remove | Construction Impact |
| 70 | Camphor<br>Cinnamomum camphora | Non-Protected | Fair | Remove | Construction Impact |
| 71 | Camphor<br>Cinnamomum camphora | Non-Protected | Fair | Remove | Construction Impact |
| 72 | Camphor<br>Cinnamomum camphora | Non-Protected | Fair | Remove | Construction Impact |
| 73 | Camphor<br>Cinnamomum camphora | Non-Protected | Fair | | |

# APPENDIX D - SUMMARY OF DATA

## Table 2. Schedule of Proposed Removals

**RECOMMENDATION**

| Tree # | Species | Status | Condition | Retain or Remove | Reason for Removal |
|---|---|---|---|---|---|
| **79** | Camphor<br>Cinnamomum camphora | Non-Protected | Fair | Remove | Construction Impact |
| **81** | Brazilian Pepper<br>Schinus terebinthifolius | Non-Protected | Fair-Poor | Remove | Construction Impact |
| **87** | Brazilian Pepper<br>Schinus terebinthifolius | Non-Protected | Poor | Remove | Construction Impact |
| **87** | Brazilian Pepper<br>Schinus terebinthifolius | Non-Protected | Poor | Remove | Construction Impact |
| **92** | Camphor<br>Cinnamomum camphora | Non-Protected | Fair | Remove | Construction Impact |
| **93** | Camphor<br>Cinnamomum camphora | Non-Protected | Fair | Remove | Construction Impact |
| **94** | Camphor<br>Cinnamomum camphora | Non-Protected | Fair | Remove | Construction Impact |
| **105** | London Plane Tree<br>Platanus x acerfolia | Non-Protected | Poor | Remove | Construction Impact |
| **106** | London Plane Tree<br>Platanus x acerfolia | Non-Protected | Poor | Remove | Construction Impact |
| **112** | Camphor<br>Cinnamomum camphora | Non-Protected | Poor | Remove | Construction Impact |
| **121** | Paperbark<br>Melaleuca quinquinervia | Non-Protected | Fair | Remove | Construction Impact |
| **122** | Paperbark<br>Melaleuca quinquinervia | Non-Protected | Fair | Remove | Construction Impact |
| **123** | Paperbark<br>Melaleuca quinquinervia | Non-Protected | Fair | Remove | Construction Impact |
| **124** | Paperbark<br>Melaleuca quinquinervia | Non-Protected | Fair | Remove | Construction Impact |
| **125** | Brazilian Pepper<br>Schinus terebinthifolius | Non-Protected | Fair | Remove | Construction Impact |
| **133** | Camphor<br>Cinnamomum camphora | Non-Protected | Fair | Remove | Construction Impact |
| **139** | Brazilian Pepper<br>Schinus terebinthifolius | Non-Protected | Fair-Poor | Remove | Construction Impact |
| **140** | Brazilian Pepper<br>Schinus terebinthifolius | Non-Protected | Poor | Remove | Construction Impact |

# APPENDIX D - SUMMARY OF DATA

## Table 2. Schedule of Proposed Removals

**RECOMMENDATION**

| Tree # | Species | Status | Condition | Retain or Remove | Reason for Removal |
|---|---|---|---|---|---|
| **141** | London Plane Tree<br>Platanus x acerfolia | Non-Protected | Fair | Remove | Construction Impact |
| **143** | Brazilian Pepper<br>Schinus terebinthifolius | Non-Protected | Fair | Remove | Construction Impact |
| **148** | Brazilian Pepper<br>Schinus terebinthifolius | Non-Protected | Fair | Remove | Construction Impact |
| **149** | Brazilian Pepper<br>Schinus terebinthifolius | Non-Protected | Fair | Remove | Construction Impact |
| **150** | Brazilian Pepper<br>Schinus terebinthifolius | Non-Protected | Fair-Poor | Remove | Construction Impact |
| **151** | Camphor<br>Cinnamomum camphora | Non-Protected | Fair | Remove | Construction Impact |
| **152** | Brazilian Pepper<br>Schinus terebinthifolius | Non-Protected | Fair | Remove | Construction Impact |
| **153** | Camphor<br>Cinnamomum camphora | Non-Protected | Fair | Remove | Construction Impact |
| **156** | Camphor<br>Cinnamomum camphora | Non-Protected | Fair | Remove | Construction Impact |
| **159** | Camphor<br>Cinnamomum camphora | Non-Protected | Fair | Remove | Construction Impact |
| **160** | Indian Laurel Fig<br>Ficus microcarpa 'Nitida' | Non-Protected | Fair-Poor | Remove | Construction Impact |
| **161** | Indian Laurel Fig<br>Ficus microcarpa 'Nitida' | Non-Protected | Fair-Poor | Remove | Construction Impact |
| **167** | London Plane Tree<br>Platanus x acerfolia | Non-Protected | Poor | Remove | Construction Impact |
| **169** | London Plane Tree<br>Platanus x acerfolia | Non-Protected | Fair-Poor | Remove | Construction Impact |
| **174** | London Plane Tree<br>Platanus x acerfolia | Non-Protected | Fair | Remove | Construction Impact |
| **175** | London Plane Tree<br>Platanus x acerfolia | Non-Protected | Fair-Poor | Remove | Construction Impact |
| **176** | Carrotwood<br>Cupaniopsis anacardiodes | Non-Protected | Fair | Remove | Construction Impact |
| **177** | White Alder<br>Alnus rhombifolia | Non-Protected | Fair-Poor | Remove | Construction Impact |
| **178** | Fig<br>Ficus carica | Non-Protected | Fair-Poor | Remove | Construction Impact |
| **179** | Lemon-scented gum<br>Corymbia citriodora | Non-Protected | Fair | Remove | Construction Impact |
| **180** | Brazilian Pepper<br>Schinus terebinthifolius | Non-Protected | Fair | Remove | Construction Impact |

# APPENDIX D - SUMMARY OF DATA

## Table 2. Schedule of Proposed Removals

RECOMMENDATION

| Tree # | Species | Status | Condition | Retain or Remove | Reason for Removal |
|---|---|---|---|---|---|
| 181 | Brazilian Pepper<br>Schinus terebinthifolius | Non-Protected | Fair-Poor | Remove | Construction Impact |
| 182 | Madras Thorn Tree<br>Pithecellobium dulce | Non-Protected | Fair-Poor | Remove | Construction Impact |
| 183 | California Pepper<br>Schinus molle | Non-Protected | Fair | Remove | Construction Impact |
| 185 | Brazilian Pepper<br>Schinus terebinthifolius | Non-Protected | Fair-Poor | Remove | Construction Impact |
| 186 | London Plane Tree<br>Platanus x acerfolia | Non-Protected | Fair | Remove | Construction Impact |
| 187 | London Plane Tree<br>Platanus x acerfolia | Non-Protected | Poor | Remove | Construction Impact |
| 189 | London Plane Tree<br>Platanus x acerfolia | Non-Protected | Fair-Poor | Remove | Construction Impact |
| 194 | London Plane Tree<br>Platanus x acerfolia | Non-Protected | Fair-Poor | Remove | Construction Impact |
| 195 | London Plane Tree<br>Platanus x acerfolia | Non-Protected | Fair-Poor | Remove | Construction Impact |
| 196 | Shiny Xylosma<br>Xylosma congesta | Non-Protected | Fair-Poor | Remove | Construction Impact |

# APPENDIX D - SUMMARY OF DATA

## Table 3. Summary of Replacement

| | Existing Trees to Be Removed | Trees to be Planted in Replacement |
|---|---|---|
| NON-PROTECTED SIGNIFICANT TREES 8" + DBH | 66 | 66 |
| TOTAL | 66 | 66 |

## Recommended Species and Size of Replacement Trees

Non-Protected

Non-Protected trees will be replaced at a one-to-one (1:1) ratio, to the satisfaction of the City of Walnut Department of City Planning.

# GENERAL RECOMMENDATIONS

During the course of construction, trees can receive much stress, pollution, soil compaction and lack of water. The following general recommendations should be followed to establish and maintain a healthy environment for all retained trees.

## WORKING IN THE TREE PROTECTION ZONE

This area generally encompasses an area within the dripline of the tree plus additional feet depending on the species and size of the tree. However, if you should need to encroach within a tree's protected zone, please follow these guidelines.

**Observation** – All work within the protected zone should be observed by a certified arborist experienced with each specific tree's requirements. The arborist should be contacted in a timely manner to ensure their availability.

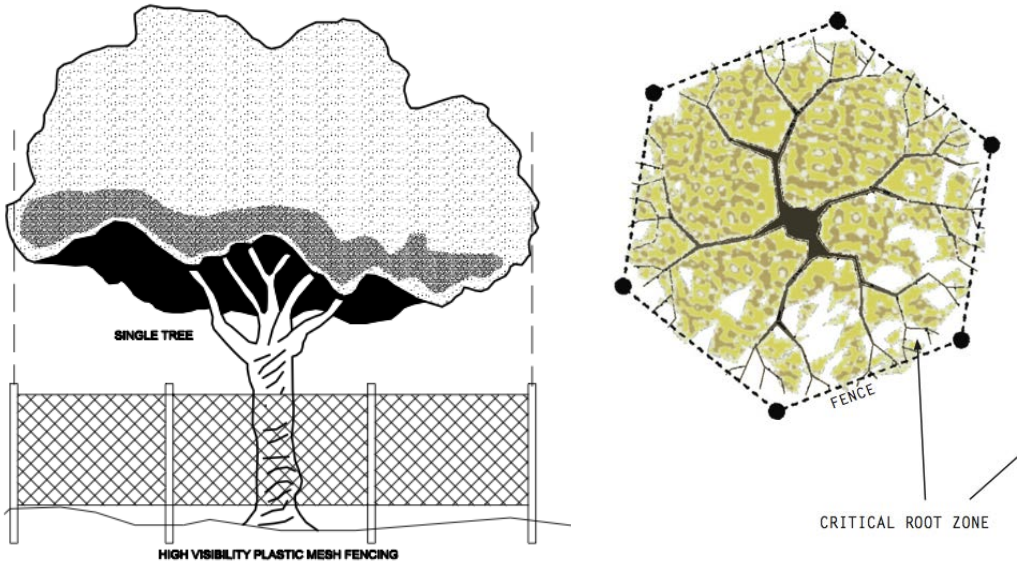
**Hand Tools** – All work should be performed utilizing hand tools only. To reduce compaction in the root zone, no large equipment, such as backhoes or tractors should be utilized in this protected zone.

**Root Pruning - Should** there be a need to perform any light root pruning, it should be done carefully. The roots should be exposed through hand digging**. The roots should be cut at a 90-degree angle and cut cleanly**. No roots should be torn or jagged; this can lead to rotting and decay in the root zone and reduced stability and health in the tree. I caution excessive root pruning, and encourage you to err on the conservative side. If a tree is in any existing stress or is lacking in health and vigor, the root pruning can contribute to the quick decline of a tree.

**Protective Fencing** – If necessary, the arborist should be contacted to develop a specific fencing plan for your trees. Fencing may be of a flexible configuration and be a minimum of 4 feet in height. A warning sign must be displayed on the street side of the fence, stating the requirements of all workers in the protected zone. Throughout the course of construction, maintain the integrity of the tree protection zone fencing and keep the site clean and maintained at all times.

**Irrigation** – Irrigate trees for the duration of the project. If the tree is newly planted, deep watering should be weekly during its establishment period. If the tree is quite mature, deep water once per month during spring and summer months.

## PROTECTIVE FENCING




Tree protection fencing must be installed at the edge of the Tree Protection Zone (critical root zone) or beyond **prior to the start of any clearing, grading or other construction activity.** If space limits the fencing, place at the furthest possible distance from the trunk.

1) Fencing may be of a **flexible configuration or chain-link** and be a minimum of 4 feet in height supported by vertical posts at a maximum of ten-foot intervals to keep the fence upright and in place.

2) A warning sign should be posted on the fencing which states, **"Warning: Tree Protection Zone"** and stating the requirements of all workers in the protected zone. Example available upon request.

3) Throughout the course of construction, **maintain the integrity of the tree protection zone fencing and keep the site clean and maintained at all times.** No construction staging or disposal of construction materials or byproducts including but not limited to paint, plaster, or chemical solutions is allowed in the Tree Protection Zone.

## PLANTING WITHIN THE PROTECTED ZONE

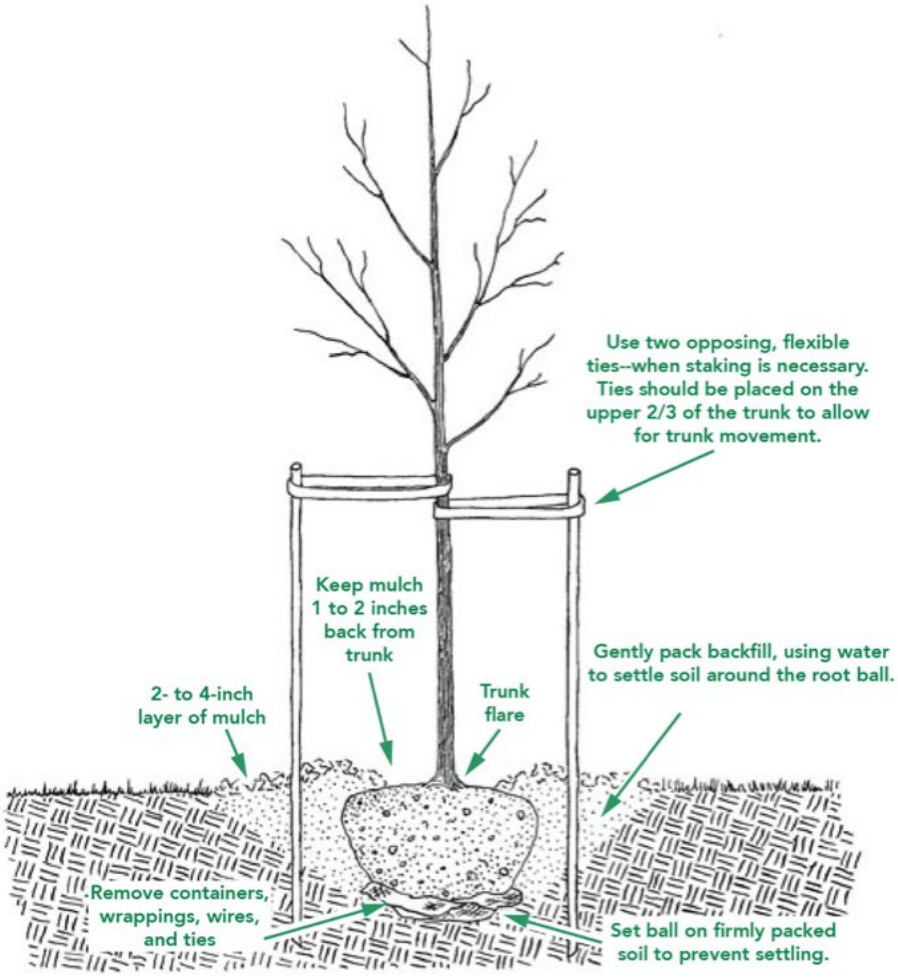
Trees remain healthier and vigorous with NO plantings within the protected zone. The natural leaf litter that the tree provides should be allowed to remain on the ground, to provide natural mulch and nutrients. If planting is desired, please follow these recommendations:

**Plant Selection** – Only drought tolerant plants that are compatible with the specific trees should be selected. Most importantly, select plants that are resistant to Armillaria or Phytophthora. Some trees are particularly susceptible to these diseases in urban areas and when under construction stress. Please refer to local guides for acceptable plant recommendations

**Irrigation** – Water should not be spraying toward the base of the trunk or tree; this can encourage rotting of the root crown. Excessive moisture on the base of the trunk can encourage Armillaria mellea (Oak Root Fungus) or Phytophthora cinnamomi (Avocado Root rot). Both of these fungus' can reduce the health and vigor of the tree, thus leading to decline and potential failure of the tree (falling over). It is recommended to only provide irrigation to the roots in the warmer months of spring and early summer, thus extending the natural rainy season. This irrigation should be provided via soaker hoses that do not spray upward.

**Mulch** - Apply a light layer of organic mulch over the root zone (approx. 3- 4 inches thick). The mulch will reduce loss of moisture from the soil, protect against construction compaction, and moderate soil temperatures. It also has been demonstrated that the addition of mulch reduces soil compaction over time. Do not place mulch against the trunk, instead placing at least 3 inches from base.

## NEW TREE PLANTING




The ideal time to plant trees and shrubs is during the dormant season, in the fall after leaf drop or early spring before budbreak. Weather conditions are cool and allow plants to establish roots in the new location before spring rains and summer heat stimulate new top growth. Before you begin planting your tree, be sure you have had all underground utilities located prior to digging.

If the tree you are planting is balled or bare root, it is important to understand that its root system has been reduced by 90 to 95 percent of its original size during transplanting. As a result of the trauma caused by the digging process, trees commonly exhibit what is known as transplant shock. Containerized trees may also experience transplant shock, particularly if they have circling roots that must be cut. Transplant shock is indicated by slow growth and reduced vigor following transplanting. Proper site preparation before and during planting coupled with good follow-up care reduces the amount of time the plant experiences transplant shock and allows the tree to quickly establish in its new location. Carefully follow nine simple steps, and you can significantly reduce the stress placed on the plant at the time of planting.

## NEW TREE PLANTING, continued

**1. Dig a shallow, broad planting hole.** Make the hole wide, as much as three times the diameter of the root ball but only as deep as the root ball. It is important to make the hole wide because the roots on the newly establishing tree must push through surrounding soil in order to establish. On most planting sites in new developments, the existing soils have been compacted and are unsuitable for healthy root growth. Breaking up the soil in a large area around the tree provides the newly emerging roots room to expand into loose soil to hasten establishment.

**2. Identify the trunk flare.** The trunk flare is where the roots spread at the base of the tree. This point should be partially visible after the tree has been planted (see diagram). If the trunk flare is not partially visible, you may have to remove some soil from the top of the root ball. Find it so you can determine how deep the hole needs for proper planting.

**3. Remove tree container for containerized trees.** Carefully cutting down the sides of the container may make this easier. Inspect the root ball for circling roots and cut or remove them. Expose the trunk flare, if necessary.

**4. Place the tree at the proper height.** Before placing the tree in the hole, check to see that the hole has been dug to the proper depth and no more. The majority of the roots on the newly planted tree will develop in the top 12 inches of soil. If the tree is planted too deeply, new roots will have difficulty developing because of a lack of oxygen. It is better to plant the tree a little high, 1-2 inches above the base of the trunk flare, than to plant it at or below the original growing level. This planting level will allow for some settling.

**5. Straighten the tree in the hole.** Before you begin backfilling, have someone view the tree from several directions to confirm that the tree is straight. Once you begin backfilling, it is difficult to reposition the tree.

**6. Fill the hole gently but firmly.** Fill the hole about one-third full and gently but firmly pack the soil around the base of the root ball. Be careful not to damage the trunk or roots in the process. Fill the remainder of the hole, taking care to firmly pack soil to eliminate air pockets that may cause roots to dry out. To avoid this problem, add the soil a few inches at a time and settle with water. Continue this process until the hole is filled and the tree is firmly planted. It is not recommended to apply fertilizer at time of planting.

**7. Stake the tree, if necessary.** If the tree is grown properly at the nursery, staking for support will not be necessary in most home landscape situations. Studies have shown that trees establish more quickly and develop stronger trunk and root systems if they are not staked at the time of planting. However, protective staking may be required on sites where lawn mower damage, vandalism, or windy conditions are concerns. If staking is necessary for support, there are three methods to choose among: staking, guying, and ball stabilizing. One of the most common methods is staking. With this method, two stakes used in conjunction with a wide, flexible tie material on the lower half of the tree will hold the tree upright, provide flexibility, and minimize injury to the trunk (see diagram). Remove support staking and ties after the first year of growth.

**8. Mulch the base of the tree.** Mulch is simply organic matter applied to the area at the base of the tree. It acts as a blanket to hold moisture, it moderates soil temperature extremes, and it reduces competition from grass and weeds. A 2- to 3-inch layer is ideal. More than 3 inches may cause a problem with oxygen and moisture levels. When placing mulch, be sure that the actual trunk of the tree is not covered. Doing so may cause decay of the living bark at the base of the tree. A mulch-free area, 1 to 2 inches wide at the base of the tree, is sufficient to avoid moist bark conditions and prevent decay.

# TREE MAINTENANCE AND PRUNING

Some trees do not generally require pruning. The occasional removal of dead twigs or wood is typical. Occasionally a tree has a defect or structural condition that would benefit from pruning. Any pruning activity should be performed under the guidance of a certified arborist or tree expert.

Because each cut has the potential to change the growth of the tree, no branch should be removed without a reason. Common reasons for pruning are to remove dead branches, to remove crowded or rubbing limbs, and to eliminate hazards. Trees may also be pruned to increase light and air penetration to the inside of the tree's crown or to the landscape below. In most cases, mature trees are pruned as a corrective or preventive measure.

Routine thinning does not necessarily improve the health of a tree. Trees produce a dense crown of leaves to manufacture the sugar used as energy for growth and development. Removal of foliage through pruning can reduce growth and stored energy reserves. Heavy pruning can be a significant health stress for the tree.

Yet if people and trees are to coexist in an urban or suburban environment, then we sometimes have to modify the trees. City environments do not mimic natural forest conditions. Safety is a major concern. Also, we want trees to complement other landscape plantings and lawns. Proper pruning, with an understanding of tree biology, can maintain good tree health and structure while enhancing the aesthetic and economic values of our landscapes.

## Pruning Techniques – From the I.S.A. Guideline

Specific types of pruning may be necessary to maintain a mature tree in a healthy, safe, and attractive condition.

**Cleaning** is the removal of dead, dying, diseased, crowded, weakly attached, and low- vigor branches from the crown of a tree.

**Thinning** is the selective removal of branches to increase light penetration and air movement through the crown. Thinning opens the foliage of a tree, reduces weight on heavy limbs, and helps retain the tree's natural shape.

**Raising** removes the lower branches from a tree to provide clearance for buildings, vehicles, pedestrians, and vistas.

**Reduction** reduces the size of a tree, often for clearance for utility lines. Reducing the height or spread of a tree is best accomplished by pruning back the leaders and branch terminals to lateral branches that are large enough to assume the terminal roles (at least one-third the diameter of the cut stem). Compared to topping, reduction helps maintain the form and structural integrity of the tree.

## TREE MAINTENANCE AND PRUNING, continued

### How Much Should Be Pruned?

Mature trees should require little routine pruning. A widely accepted rule of thumb is never to remove more than one-quarter of a tree's leaf-bearing crown. In a mature tree, pruning even that much could have negative effects. Removing even a single, large- diameter limb can create a wound that the tree may not be able to close. The older and larger a tree becomes, the less energy it has in reserve to close wounds and defend against decay or insect attack. Pruning of mature trees is usually limited to removal of dead or potentially hazardous limbs.

### Wound Dressings

Wound dressings were once thought to accelerate wound closure, protect against insects and diseases, and reduce decay. However, research has shown that dressings do not reduce decay or speed closure and rarely prevent insect or disease infestations. Most experts recommend that wound dressings not be used.

## DISEASES AND INSECTS

Continual observation and monitoring of your tree can alert you to any abnormal changes. Some indicators are: excessive leaf drop, leaf discoloration, sap oozing from the trunk and bark with unusual cracks. Should you observe any changes, you should contact a Tree specialist or Certified Arborist to review the tree and provide specific recommendations. Trees are susceptible to hundreds of pests, many of which are typical and may not cause enough harm to warrant the use of chemicals. However, diseases and insects may be indication of further stress that should be identified by a professional.

## GRADE CHANGES

The growing conditions and soil level of trees are subject to detrimental stress should they be changed during the course of construction. Raising the grade at the base of a tree trunk can have long-term negative consequences. This grade level should be maintained throughout the protected zone. This will also help in maintaining the drainage in which the tree has become accustomed.

## INSPECTION

The property owner should establish an inspection calendar based on the recommendation provided by the tree specialist. This calendar of inspections can be determined based on several factors: the maturity of the tree, location of tree in proximity to high-use areas vs. low-use area, history of the tree, prior failures, external factors (such as construction activity) and the perceived value of the tree to the homeowner.

## Assumptions and Limiting Conditions

No warranty is made, expressed or implied, that problems or deficiencies of the trees or the property will not occur in the future, from any cause. The Consultant shall not be responsible for damages or injuries caused by any tree defects, and assumes no responsibility for the correction of defects or tree related problems.

The owner of the trees may choose to accept or disregard the recommendations of the Consultant, or seek additional advice to determine if a tree meets the owner's risk abatement standards.

The Consulting Arborist has no past, present or future interest in the removal or retaining of any tree. Opinions contained herein are the independent and objective judgments of the consultant relating to circumstances and observations made on the subject site.

The recommendations contained in this report are the opinions of the Consulting Arborist at the time of inspection. These opinions are based on the knowledge, experience, and education of the Consultant. The field inspection was a visual, grade level tree assessment.

The Consulting Arborist shall not be required to give testimony, perform site monitoring, provide further documentation, be deposed, or to attend any meeting without subsequent contractual arrangements for this additional employment, including payment of additional fees for such services as described by the Consultant.

The Consultant assumes no responsibility for verification of ownership or locations of property lines, or for results of any actions or recommendations based on inaccurate information.

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Should you have any further questions regarding this property, please contact me at (310) 663-2290.

Respectfully submitted,


**Lisa Smith**

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ISA Board Certified Master Arborist #WE3782BM
ISA Tree Risk Assessor Qualified- Instructor
American Society of Consulting Arborists, Member