



Appendix D

Addendum Arborist Statement

**CRAIG CROTTY
ARBOR CULTURE LLC**

September 14, 2018

Tracy Steinkruger, Planning Manager
City of San Gabriel
425 South Mission Drive
San Gabriel, California 91776
Phone: 626.308.2806 Ext. 4623
tsteinkruger@sgch.org

RE: Observations and comments regarding trees located at Rubio Village.

**ADDENDUM
ARBORIST STATEMENT**

This addendum revises a 2005 tree study for this property. I was asked to document impacts of proposed construction and identify changes to protected trees. Then to make observations to retain and protect trees to remain and mitigate trees requested for removal or to be negatively impacted by encroachment.

Twelve trees qualify as Mature Class I Trees by their size, species, and location within the site. A mature tree is defined as any class 1 tree in the front yard which exceeds 19" circumference or, if located in the side or rear yard, one which exceeds 30" circumference measured at 4" above natural grade. Class I Trees are identified by species on the City's Class I list.

There are twelve ordinance Class 1 protected trees located in the residential property in the southwest corner (224 S. Pine St.) across the Rubio Wash Channel. Nine of the twelve protected trees (Pepper #1, Oak Trees #2, #3, #4, #8, #11 and Ash Trees #5, #6, #7) are proposed for removal and can be mitigated with replacement trees. The three remaining protected Class 1 trees (Coast Live Oaks #9, #10, #12) should be protected and preserved during construction.

Additionally, there are five Mature trees. Of these a Chinese Elm located by Rubio wash should be retained and protected; the other four will be removed due to encroachment and/or very poor condition. Mature trees in commercial zoned areas are trees of four inches trunk diameter and larger. Trunk diameters of all the trees are measured at four feet above grade.

Replacement mitigation tree planting is additional to the previously approved landscaping plan. As many replacement trees as possible should be located within the site. If space is limited, the replacement trees may be purchased and transferred to the City to be placed at locations off site. Any replacement trees should have an establishment maintenance period of two years.

CRAIG CROTTY ARBOR CULTURE LLC
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TREE SUMMARY

Tree No.	Species	Trunk Size	Condition	Encroachment	Regulation
# 1	<i>Schinus molle</i>	28-20-20-17 in. dia.	Fair health/poor structure	Remove	Class 1
# 2	<i>Quercus agrifolia</i>	12 in. dia.	Fair health/good structure	Remove	Class 1
# 3	<i>Quercus agrifolia</i>	11 in. dia.	Fair health/fair structure	Remove	Class 1
# 4	<i>Quercus agrifolia</i>	20 in. dia.	Good health/good structure	Remove	Class 1
# 5	<i>Fraxinus uhdei</i>	16 in. dia.	Poor health/poor structure	Remove	Class 1
# 6	<i>Fraxinus uhdei</i>	18 in. dia.	Poor health/poor structure	Remove	Class 1
# 7	<i>Fraxinus uhdei</i>	17 in. dia.	Poor health/poor structure	Remove	Class 1
# 8	<i>Quercus agrifolia</i>	18 in. dia.	Fair health/fair structure	Remove	Class 1
# 9	<i>Quercus agrifolia</i>	14 in. dia.	Good health/fair structure	Protect	Class 1
#10	<i>Quercus agrifolia</i>	34 in. dia.	Good health/fair structure	Protect	Class 1
#11	<i>Quercus agrifolia</i>	09 in. dia.	Fair health/good structure	Remove	Class 1
#12	<i>Quercus agrifolia</i>	9-9 in. dia.	Good health/good structure	Protect	Class 1
#13	<i>Ulmus parvifolia</i>	10-9-8 in. dia.	Fair health/fair structure	Protect	Mature
#14	<i>Bauhinia blakeana</i>	20 in. dia.	Fair health/fair structure	Remove	Mature
#15	<i>Carya illinoensis</i>	12 in. dia.	Fair health/good structure	Remove	Mature
#16	<i>Ailanthus altissima</i>	13-12-10 in.dia.	Fair health/poor structure	Remove	Mature
#17	<i>Ailanthus altissima</i>	07 in. dia.	Poor health/poor structure	Remove	Mature

Observations and Discussion:

Ordinance Qualifying Class 1 Trees #1-#11

California Pepper Tree #1 (Remove due to proposed encroachment), *Schinus molle*, of approximately 33 feet in height, with a crown spread of 58 feet by 54 feet. Located in the approximately 12 feet from the edge of the wash and within proposed site improvements, the multi-trunk diameters are 28, 20, 20 and 17 inches. This tree is in fair health with poor structure due to deadwood and some broken branches.

Oak Trees #2, #3, #4, #8, #11 (Remove due to proposed encroachment) are Coast Live Oak trees, *Quercus agrifolia*, located within the proposed building footprint. Trunk diameters are 12, 11, 20, 18, and 9 inches respectively.

Shamel Ash Trees #5, #6 and #7 (Remove due to proposed encroachment) *Fraxinus uhdei*, are also located within the proposed building footprint. Trunk diameters are 16, 18, and 17 inches respectively. Ash Trees #5, #6 and #7 should be mitigated with replacement trees on an inch for inch basis.

Oak Trees #9- #10- #12 (Protect) are Coast Live Oak trees, *Quercus agrifolia*, located along the wash (see Tree Plan). Trunk diameters are 14, 34, and 9-9 inches respectively. Oak Trees #9 and #10 should be pruned for crown thinning and cleaning, then fenced to protect them from construction.

Preservation Recommendations for Oak Trees #9-#10-#12 and Elm #13:

These four trees can be preserved, if strict preservation measures are implemented and monitored by a project arborist.

- Install a five-foot-high chain link fence at construction limits and as far from the trees to be preserved as possible (at the direction of the Project Arborist) and to remain in place for the duration of construction.
- The protection fence is not to be moved or removed without permission from the Project Arborist.
- Route site drainage away from the tree trunks. Drain line shown on plan passes through trees to be protected.
- Excavation by hand is required within tree driplines. Protection of all roots 1.5 inches diameter is required. Discover and expose by hand.
- It may be necessary to perform some clearance pruning. If clearance pruning is required to clear the new building it should be done by direction of the project arborist, not construction personnel.
- Regular maintenance pruning of the four trees to remain should be pruned for crown cleaning, thinning or reduction.
- Demolition of existing site features and grading is to be kept outside tree protection zones, including all equipment, materials and personnel.
- The Project Arborist should be on hand during excavation interfaces with remaining trees to perform any necessary root pruning.
- Avoid all construction activities, equipment path of travel, material storage, or dumping of any kind inside tree protection zones.
- Route trenching for water, sewer, electrical, gas, landscape irrigation, etc. away from the trees and outside the tree protection zones.
- The chain link fence may be removed near the end of the project before landscape installation. Any landscape work within the tree driplines at this time should be approved and monitored by the Project Arborist.

Mitigation Analysis

A total of 210 diameter inches of trees are to be removed as a result of this project. Thus a total of:

- 105-2 inch diameter trees (24 inch box), or
- 70-3 inch diameter trees (36 inch box), would replace that which is to be removed.

A 2 inch diameter tree is roughly equal to a 24 inch box container size; likewise a 3 inch diameter tree is roughly equal to a 36 inch box container. For greater impact at the time of installation the larger box trees should be included. The 36 inch box (+3 in. dia. trunk) is a good recommended size.

Of the other four mature trees (#14-#15-#16-#17) two are recommended to be replaced with 24 inch box trees and two are not mitigated due to poor condition. One 24 inch box tree each should be planted for #14-Orchid tree and #15 Pecan tree. Trees #16-#17 are in very poor condition and not mitigated.

Tree No.	Species	Trunk Size	Recommended Mitigation
# 1	<i>Schinus molle</i>	28-20-20-17 in. dia.	85 dia. in.
# 2	<i>Quercus agrifolia</i>	12 in. dia.	12 dia. in.
# 3	<i>Quercus agrifolia</i>	11 in. dia.	11 dia. in.
# 4	<i>Quercus agrifolia</i>	20 in. dia.	20 dia. in.
# 5	<i>Fraxinus uhdei</i>	16 in. dia.	16 dia. in.
# 6	<i>Fraxinus uhdei</i>	18 in. dia.	18 dia. in.
# 7	<i>Fraxinus uhdei</i>	17 in. dia.	17 dia. in.
# 8	<i>Quercus agrifolia</i>	18 in. dia.	18 dia. in.
# 9	<i>Quercus agrifolia</i>	14 in. dia.	Retain/Protect
#10	<i>Quercus agrifolia</i>	34 in. dia.	Retain/Protect
#11	<i>Quercus agrifolia</i>	09 in. dia.	09 dia. in.
#12	<i>Quercus agrifolia</i>	9-9 in. dia.	Retain/Protect
#13	<i>Ulmus parvifolia</i>	10-9-8 in. dia.	Retain/Protect
#14	<i>Bauhinia blakeana</i>	20 in. dia.	02 dia. in.
#15	<i>Carya illinoensis</i>	12 in. dia.	02 dia. in.
#16	<i>Ailanthus altissima</i>	13-12-10 in.dia.	None
#17	<i>Ailanthus altissima</i>	07 in. dia.	None

As many replacement trees as possible should be located within the site, or if space is too limited, the replacement trees may be purchased and transferred to the City to be placed at locations off site. Any replacement trees should have an establishment maintenance period of two years. Quarterly arborist monitoring is recommended for site installed trees to ensure growth and replace dead trees.

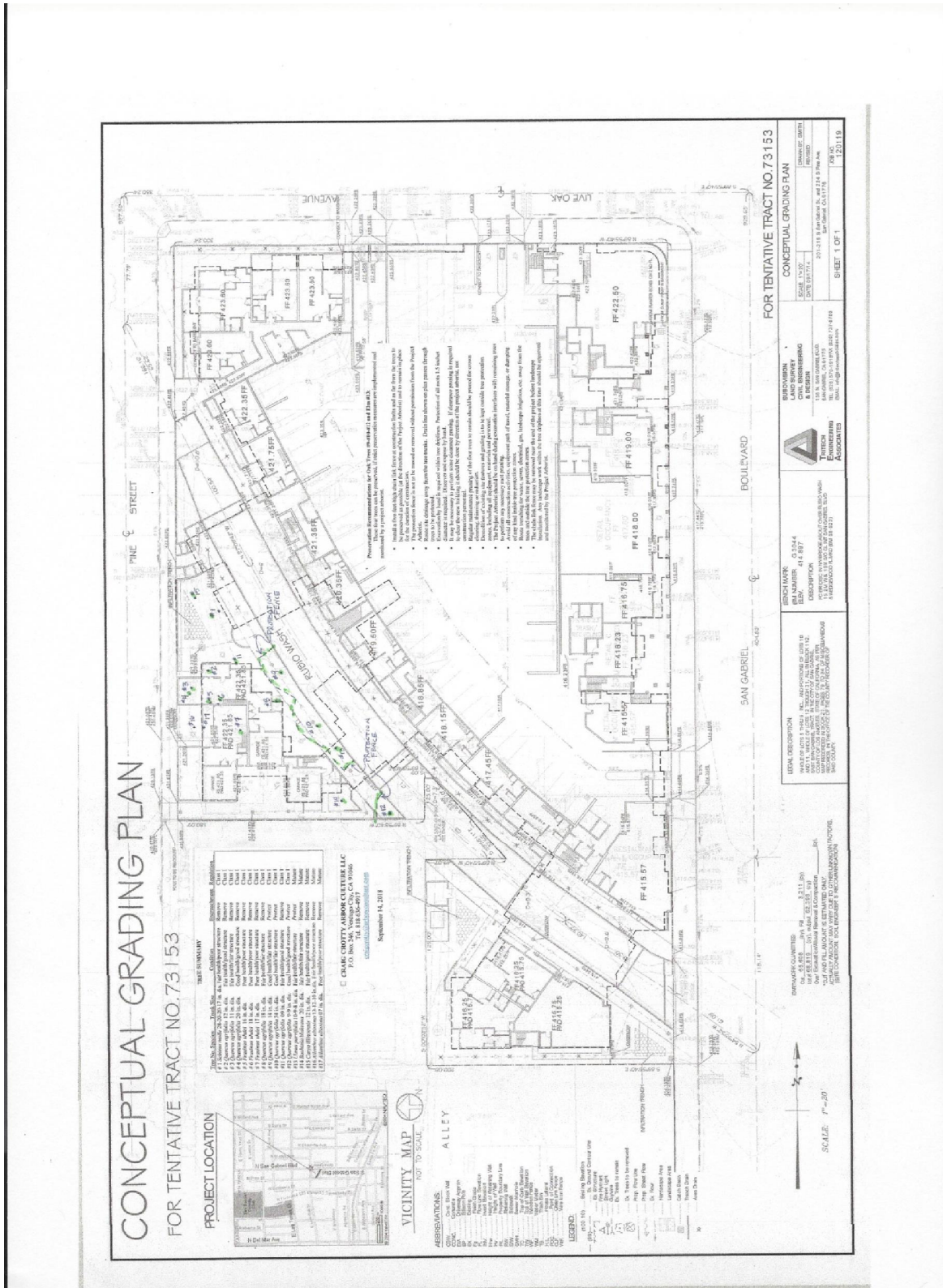
Rubio Village 201-217 S. San Gabriel Blvd.

Signature-Inclusions

A handwritten signature in blue ink that reads "Craig Crotty". The signature is written in a cursive style with a clear, legible font.

Inclusions:

- Plan
- Photos
- Monitoring Agreement





Oak #9 is located adjacent to Rubio wash.



Oak #10 is located adjacent to Rubio wash.



Oak #12 is located adjacent to Rubio wash.



Elm #13 is located adjacent to Rubio wash.

**CRAIG CROTTY
ARBOR CULTURE LLC**

P.O. Box 246, Verdugo City, CA 91046 Ph. 818 636-4917
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ARBORIST MONITORING AGREEMENT

_____ (Client) agrees to retain CRAIG CROTTY,

Consulting Arborist, as the Arborist Consultant (AC) for the project located at

Rubio Village 201-217 S. San Gabriel Blvd.

The undersigned agrees to notify the AC at least 48 hours prior to commencement of any work within the protected zone. A site visit by the AC and notification to the City of San Gabriel is required for each of the following:

- 1. Pre construction meeting regarding excavation and grading.**
- 2. Any work within the Tree Protection Zones, defined as the tree dripline**
- 3. Approved removal of trees in conflict with site improvements.**
- 4. Check completion of protection fence installation.**
- 5. Grading or excavation within tree protection zones (by hand with hand tools).**
- 6. Root pruning or any crown pruning for clearance or otherwise.**
- 7. 2 Year Plan -Monitor mitigation planting.
First 2 Years-Quarterly Monitor Visits (1 X each 3 months).**

It is the responsibility of the AC to notify the City of any unsatisfactory conditions or of any non-compliance with the Conditional Use Permit or Tree Permit. The undersigned agrees that the responsibilities of the AC may also include periodic unannounced site visits to monitor compliance.

Client agrees to retain the Arborist Consultant for the above listed tasks:

Client Signature _____ **Date** _____

