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December 17, 2023

report # 2639 (3 pages)

RE: Arborist report - 1851 Appletree Lane, Mountain View

Name of owner/address of property:

Grace Tanggara, David Chaw
1851 Appletree Lane
Mountain View CA 94040

report sent via email to:

Grace Tanggara at [Redacted] and Cornelia Haber at [Redacted]

Project Arborist:

Ann Northrup (ISA Certified Arborist credential WE 1613-A)

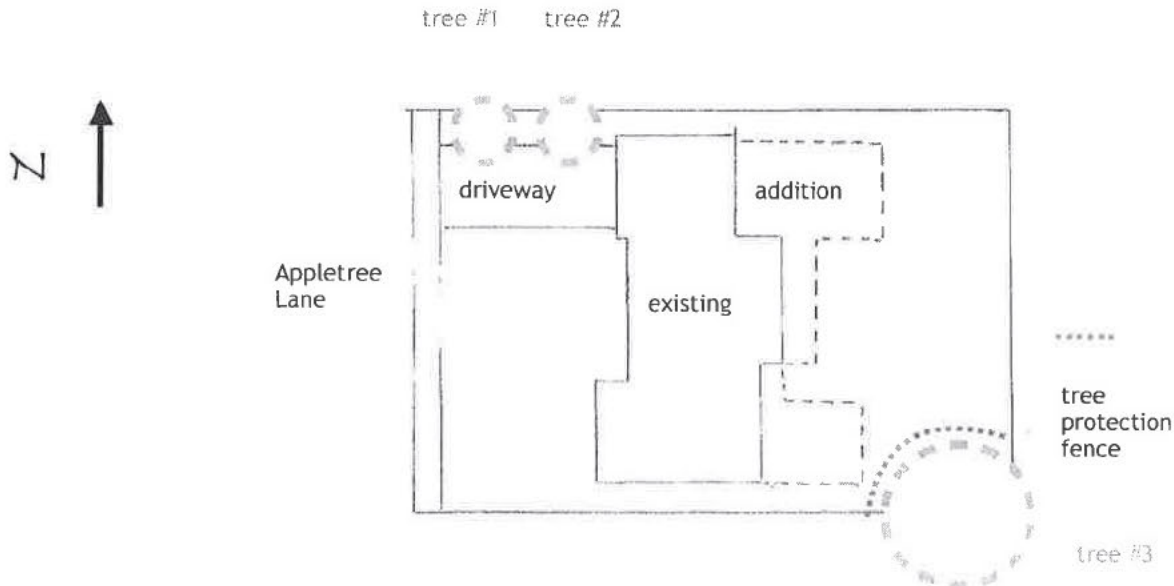
phone: [Redacted]

email: [Redacted]

Plans reviewed:

Proposed site plan, Cornelia Haber Residential Design, dated October 15, 2023

Brief description of work - Addition to the single family residence. Three trees qualifying as Heritage trees (per Mountain View tree ordinance) are marked on the following site drawing. Two Liquidambar trees are being requested for removal. One Cedrus on the neighboring property to the south is to be protected.



This Arborist report is to be copied onto a plan sheet, titled "Tree preservation", and become part of the final plan set. The property owner, contractors and architect are all responsible for knowing the information included in this Arborist's report and adhering to the conditions provided

Heritage trees requested for removal:

	tree condition	Trunk circumference at 54" from grade	reason for removal
tree #1 (Liquidambar styraciflua)	good	52"	Tree roots are damaging driveway and sidewalk hardscape. This situation is expected to worsen with time. Tree is in a location which is in conflict with driveway improvement.
tree #2 (Liquidambar styraciflua)	good	50"	Tree roots are damaging driveway and sidewalk hardscape. This situation is expected to worsen with time. Tree is in a location which is in conflict with driveway improvement.

Heritage tree to be protected::

	tree condition	Trunk circumference at 54" from grade	method of critical root zone protection
tree #3 (Cedrus deodara)	fair	122.5"	5' high chain link fence at drip line

Evaluation of proposed work and mitigation recommendations:

The footprint of the home addition approaches the root zone of Tree #3 in the back yard. An appropriate tree protection measure is to fence off an area around the tree to prohibit the movement of heavy equipment over the critical root zone or the storage of construction materials on top of the critical root zone. In this case, I believe a reasonable definition of the critical root zone is the drip line of the tree (the edge of the leafy canopy). The distance from the trunk in this case is a radius of approximately 15'. The fence shall be 5' in height, made of chain link. It must be installed prior to any construction activity. It is reasonably unlikely that very many roots outside this defined area will be larger than 2" in diameter. However, in the process of constructing the foundation for the addition, roots of this size may be encountered. It may be difficult to determine if the roots are from the Cedar or other shrubby vegetation that is nearby. In any case, roots that need to be cut, should be cut cleanly with well sharpened tools.

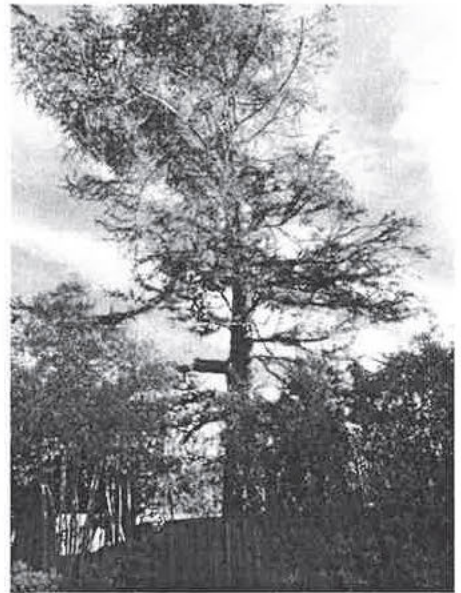
The design of the project preserves the maximum number of protected trees possible, given the constraints of the property

Photographs of inventoried trees:

Trees #1 and #2 (both Liquidambar)



Tree # 3 (Cedrus deodara)



Tree replacement:

Tree replacement is required as a condition for removal of two Heritage Liquidambar trees. There is not ample enough space on this residential lot for the replacements to be placed there. I understand there is an option for the homeowner to pay to have replacement trees planted elsewhere in Mountain View in order to maintain the city's overall tree canopy. I don't know what that cost is, but I believe that to be the best option for you and for the successful tree canopy goals of Mountain View.

Please let me know if there is any additional information you need.

Sincerely,

Ann Northrup