



May 10, 2023

The Nepenthe Association  
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On April 24, 2023 I inspected several trees on the Nepenthe property during the monthly tree walk. The focus of the walk was to address resident/management concerns regarding mature trees on the property. The purpose of this report is to develop mitigation plans for the following trees and my recommendations are below. My recommendations are based on a Basic Visual Inspection. All decisions made based on the recommendations of this report are at the discretion of the Nepenthe Association.

- (Zone 2) Tree #No Tag Birch (*Betula pendula*) In front of 2277 Swarthmore Dr. The tree has become destabilized at the base and is at risk of failure. I recommend removal due to a safety risk (Figure 1-2).
- (Zone 2) Tree #412 Cedar (*Cedrus deodara*) near to 2265 Swarthmore Dr. The tree is in a narrow planter with several larger redwoods, and due to the limited rooting and growing space the tree has started to decline due to nutrient and light competition. The trees canopy is sparse and has a noticeable amount of deadwood throughout the canopy. This tree will continue to decline. I recommend removal due to a safety risk (Figure 3).
- (Zone 2) 2 Trees #461, #80 Birch (*Betula pendula*) In landscape area near 2236 Swarthmore Dr. The tree closet to 2236 has been in decline for some time, there is wood decay fungus present on the trunk of the tree. And the larger tree in the landscape area is 95% dead. I recommend removal of both trees due to a safety risk (Figure 4-6).
- (Zone 2) Tree #No Tag Dogwood (*Cornus florida*) In front of 2243 Swarthmore Dr. The tree was installed incorrectly, planted too deep causing the suffocation of the root flair. This tree has not performed since being planted and is severely stressed. I recommend removing this tree and replanting it with a healthier specimen (Figure 7-8).
- (Zone 2) Tree #No Tag Liquid amber (*Liquidambar styraciflua*) In front of 2264 Swarthmore Dr. The tree had been severely damaged during the January storms by another tree that fell into it. The tree is no longer viable in its current state and poses a safety risk to the property. I recommend removal due to a safety risk (Figure 9).
- (Zone 2) Tree #529 Tag Birch (*Betula pendula*) In front of 2242 Swarthmore Dr. The tree is 95% dead and is at risk of failure. I recommend removal due to a safety risk (Figure 10).

- (Zone 2) Tree #659 Hackberry (*Celtis occidentalis*) Next to 1026 Vanderbilt Dr. The tree had been severely damaged during the January storms. The tree is no longer viable in its current state and poses a safety risk to the property. I recommend removal due to a safety risk (Figure 11-12).
- (Zone 2) Tree #No Tag English Oak (*Quercus robur*), in front of 1334 Commons Dr. This tree will require structural pruning to help with direction of growth and healthy canopy development (Figure 13).
- (Zone 2) Tree #No Tag Liquid amber (*Liquidambar styraciflua*) In front of 1350 Commons Dr. This tree has an over weighted canopy and requires reduction pruning on branches throughout the tree canopy (Figure 14).
- (Zone 2) Tree #No Tag Willow oak (*Quercus phellos*), In front of 2277 Swarthmore Dr. This tree will require structural pruning to help with direction of growth due to the natural top dying back due to damage. The pruning will help to reestablish a new leader and healthy canopy development (Figure 15).
- (Zone 2) Tree #No Tag, Redwood (*Sequoia sempervirens*) In front of 2266 Swarthmore Dr. This tree has multiple included co dominate tops. Due to the failure potential, I recommend reduction pruning of the co dominate top to help reduce failure (Figure 16-17).
- (Zone 2) Tree #No Tag, Redwood (*Sequoia sempervirens*) In front of 2270 Swarthmore Dr. This tree has an included co dominate top. Due to the failure potential, I recommend reduction pruning of the co dominate top to help reduce failure (Figure 18-19).
- (Zone 2) Tree #417 Trident maple (*Acer buergerianum*), in front of 2271 Swarthmore Dr. This tree will require structural pruning to help with direction of growth and healthy canopy development (Figure 20).
- (Zone 2) 3 Trees #414, 415, 416, Redwood (*Sequoia sempervirens*) Near 2271 Swarthmore Dr. These trees have multiple included co dominate tops. Due to the failure potential, I recommend reduction pruning of the co dominate top to help reduce failure (Figure 21).
- (Zone 2) Tree #No Tag Liquid amber (*Liquidambar styraciflua*) In front of 2267 Swarthmore Dr. This tree has an over weighted canopy and requires reduction pruning on branches throughout the tree canopy (Figure 22).
- (Zone 2) Tree #No Tag, Redwood (*Sequoia sempervirens*) In front of 2245 Swarthmore Dr. This tree has multiple included co dominate tops. Due to the failure potential, I recommend reduction pruning of the co dominate top to help reduce failure (Figure 23).
- (Zone 2) Tree #412 Cedar (*Cedrus deodara*) near to 2245 Swarthmore Dr. This tree has an over weighted canopy and requires reduction pruning on branches throughout the tree canopy. This tree had limb failure during the January storms and needs to have some restoration pruning done to clean up the broken limbs. (Figure 23).
- (Zone 2) Tree #No Tag Liquid amber (*Liquidambar styraciflua*) In front of 2232 Swarthmore Dr. This tree has a over weighted canopy and requires reduction pruning on branches throughout the tree canopy (Figure 24).

- (Zone 2) 4 Trees 3 No Tag, #476 Cedar (*Cedrus deodara*) In front of 2258, 2260, 2262 Swarthmore Dr. These trees have over weighted canopies and require reduction pruning on branches throughout the tree canopy to reduce limb failure (Figure 25).
- (Zone 2) Tree #22 Redwood (*Sequoia sempervirens*) In front of 2250 Swarthmore Dr. This tree has multiple included co dominate tops. Due to the failure potential, I recommend reduction pruning of the co dominate top to help reduce failure (Figure 26).
- (Zone 2) Tree #No Tag Valley oak (*Quercus lobatta*), In greenbelt near 2246 Swarthmore Dr. This tree will require structural pruning to help with direction of growth and healthy canopy development (Figure 27).
- (Zone 2) Tree #612 Redwood (*Sequoia sempervirens*) in front of 1230 Vanderbilt Dr. This tree has an included co dominate top. Due to the failure potential, I recommend reduction pruning of the co dominate top of this tree to help reduce failure (Figure 28)
- (Zone 2) Tree #3415 Cedar (*Cedrus deodara*), in front of 1206 Vanderbilt Dr. This tree has an over weighted canopy and requires reduction pruning on branches throughout the tree canopy (Figure 29).
- (Zone 2) Tree #No Tag Redwood (*Sequoia sempervirens*) in front of 1106 Vanderbilt Dr. This tree has an included co dominate top. Due to the failure potential, I recommend reduction pruning of the co dominate top of this tree to help reduce failure (Figure 30)
- (Zone 2) Tree #3415 Cedar (*Cedrus deodara*), in front of 1146 Vanderbilt Dr. This tree has an over weighted canopy and requires reduction pruning on branches throughout the tree canopy (Figure 31).





Figure 1





Figure 2



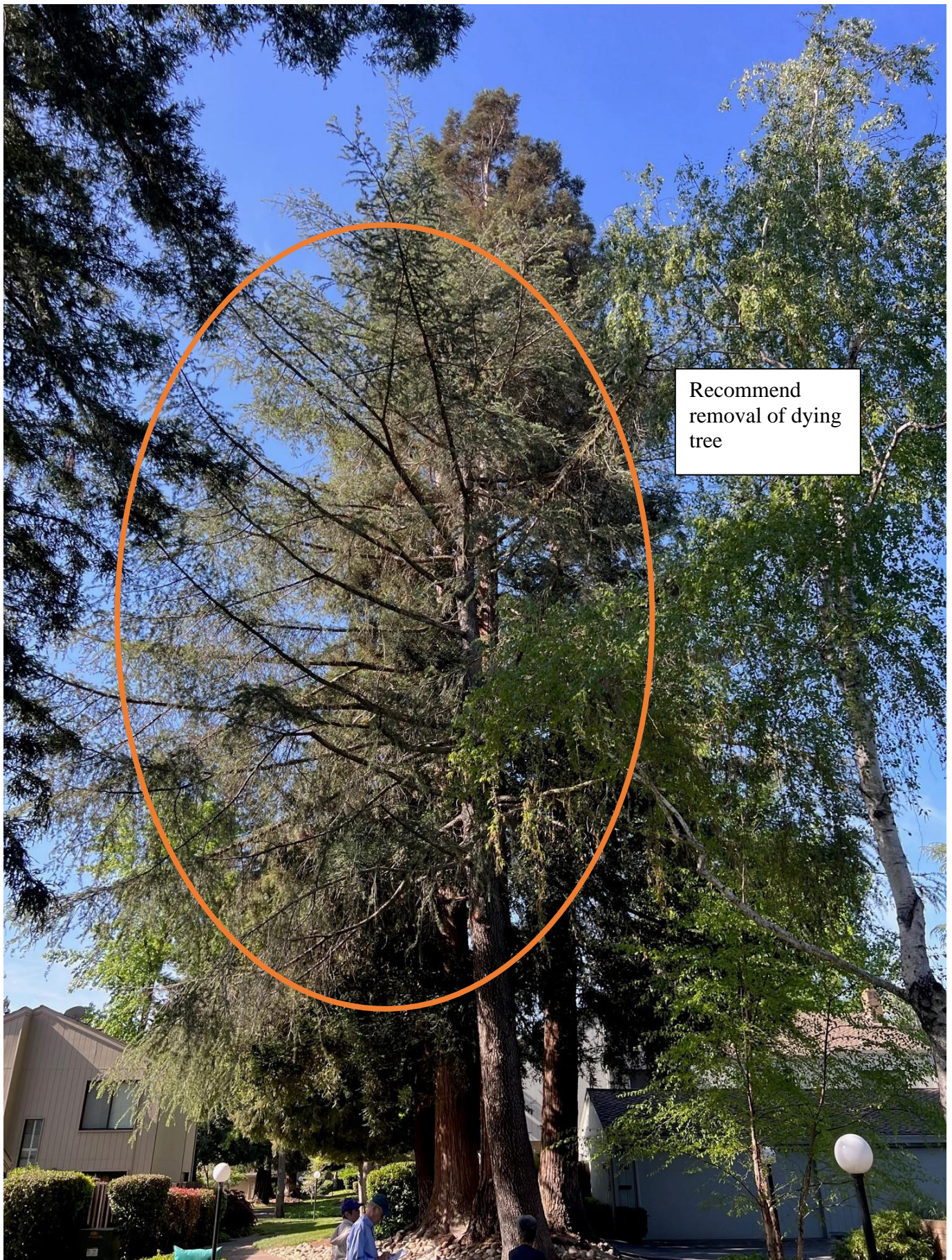


Figure 3



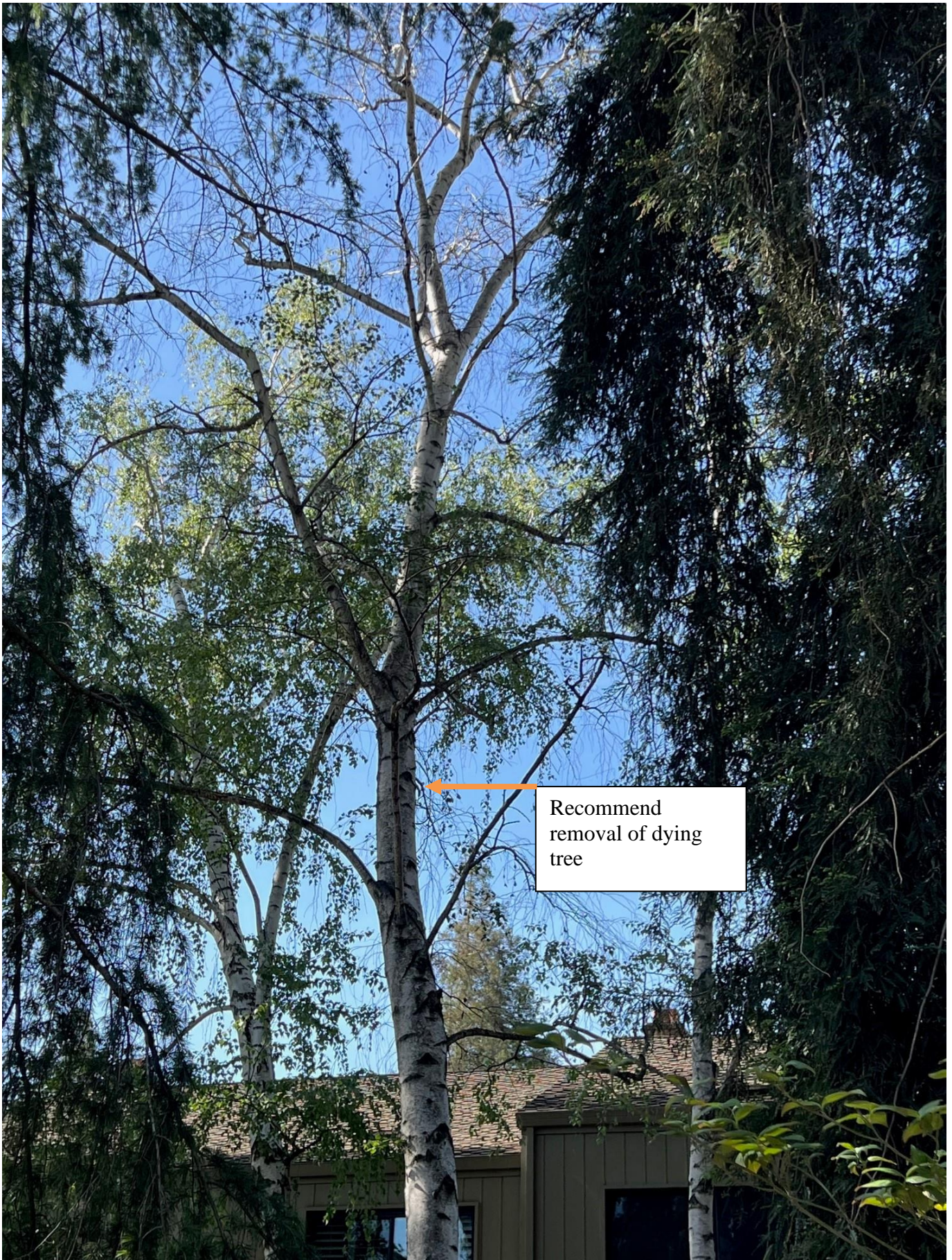
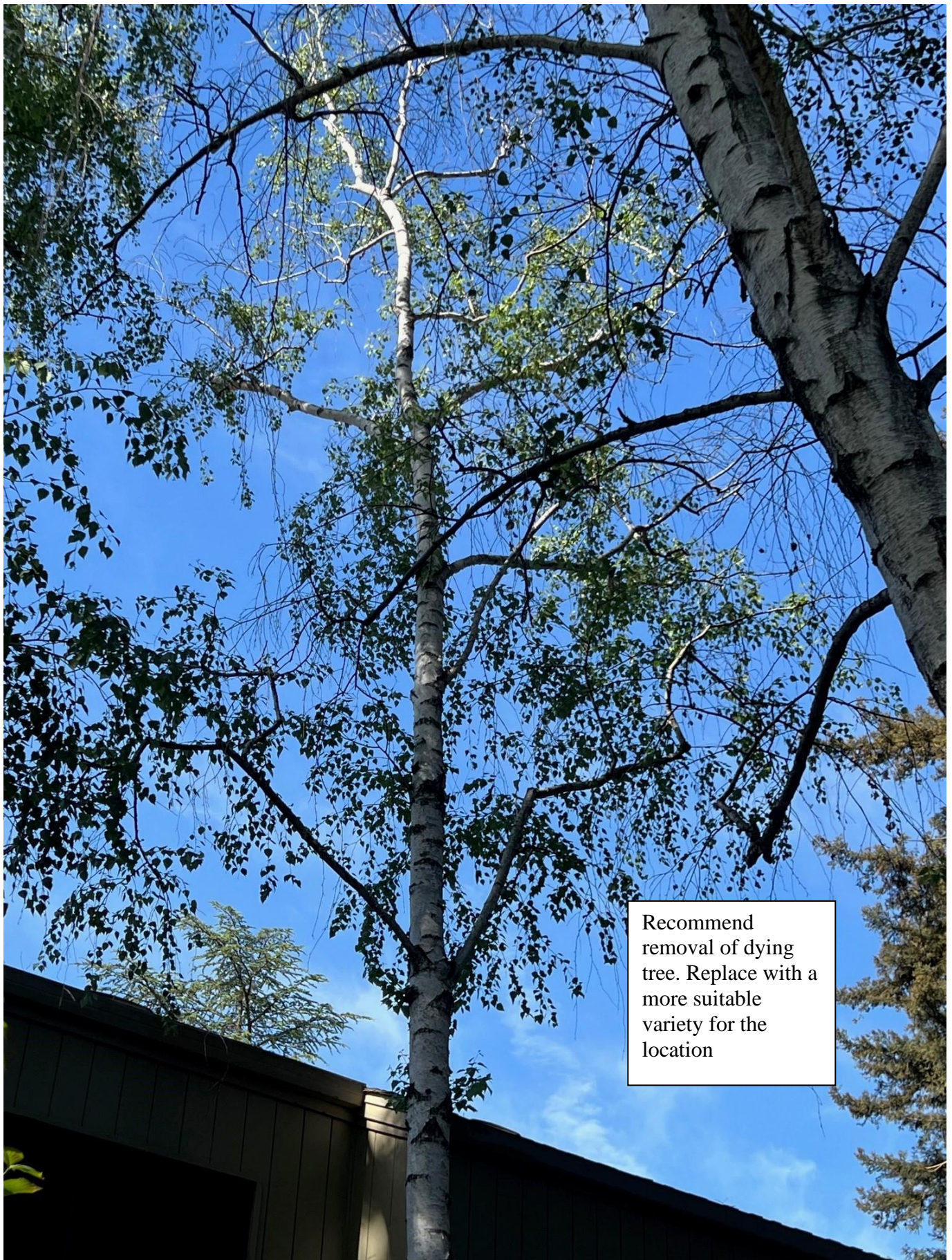


Figure 4





Recommend removal of dying tree. Replace with a more suitable variety for the location

Figure 5





Figure 6



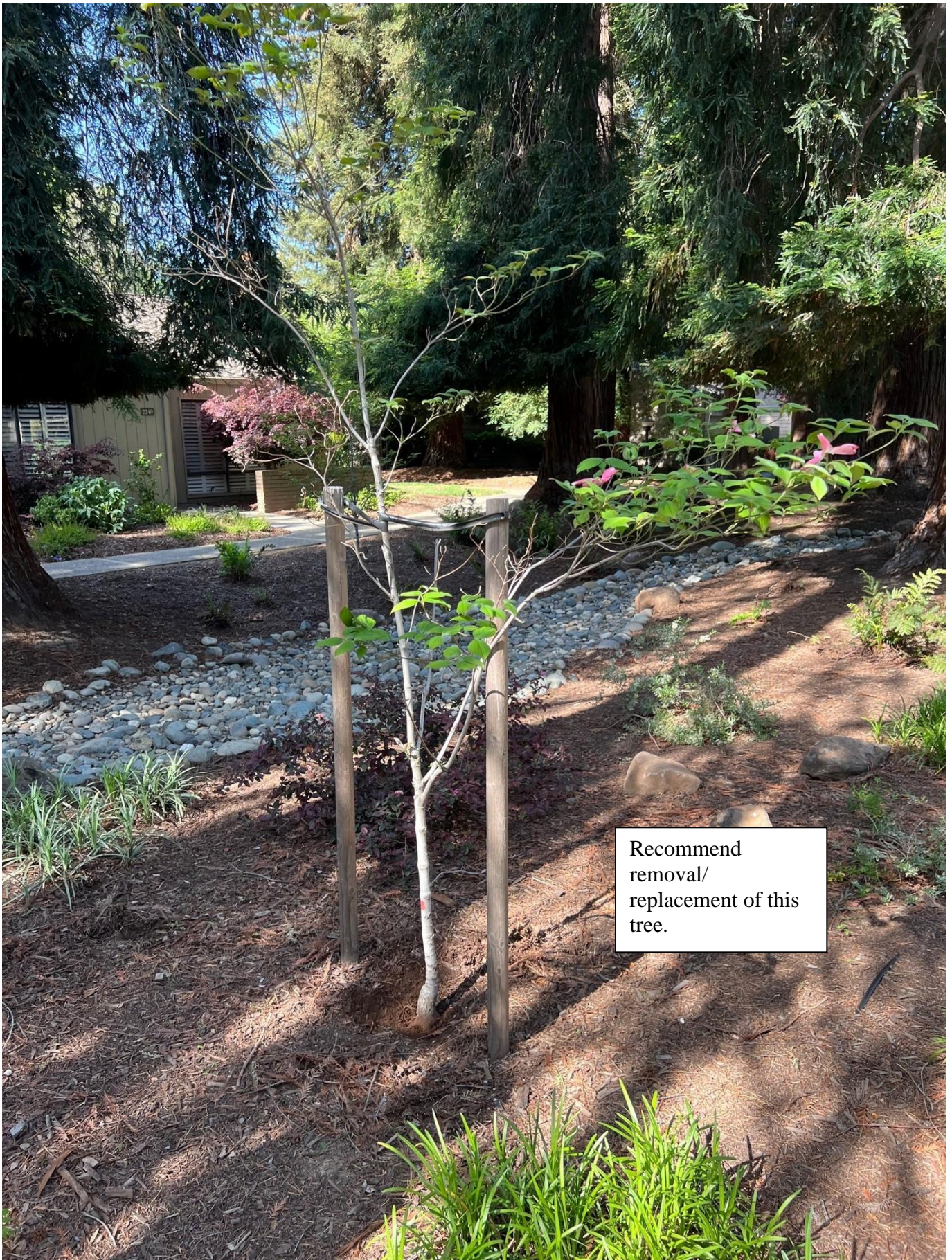


Figure 7

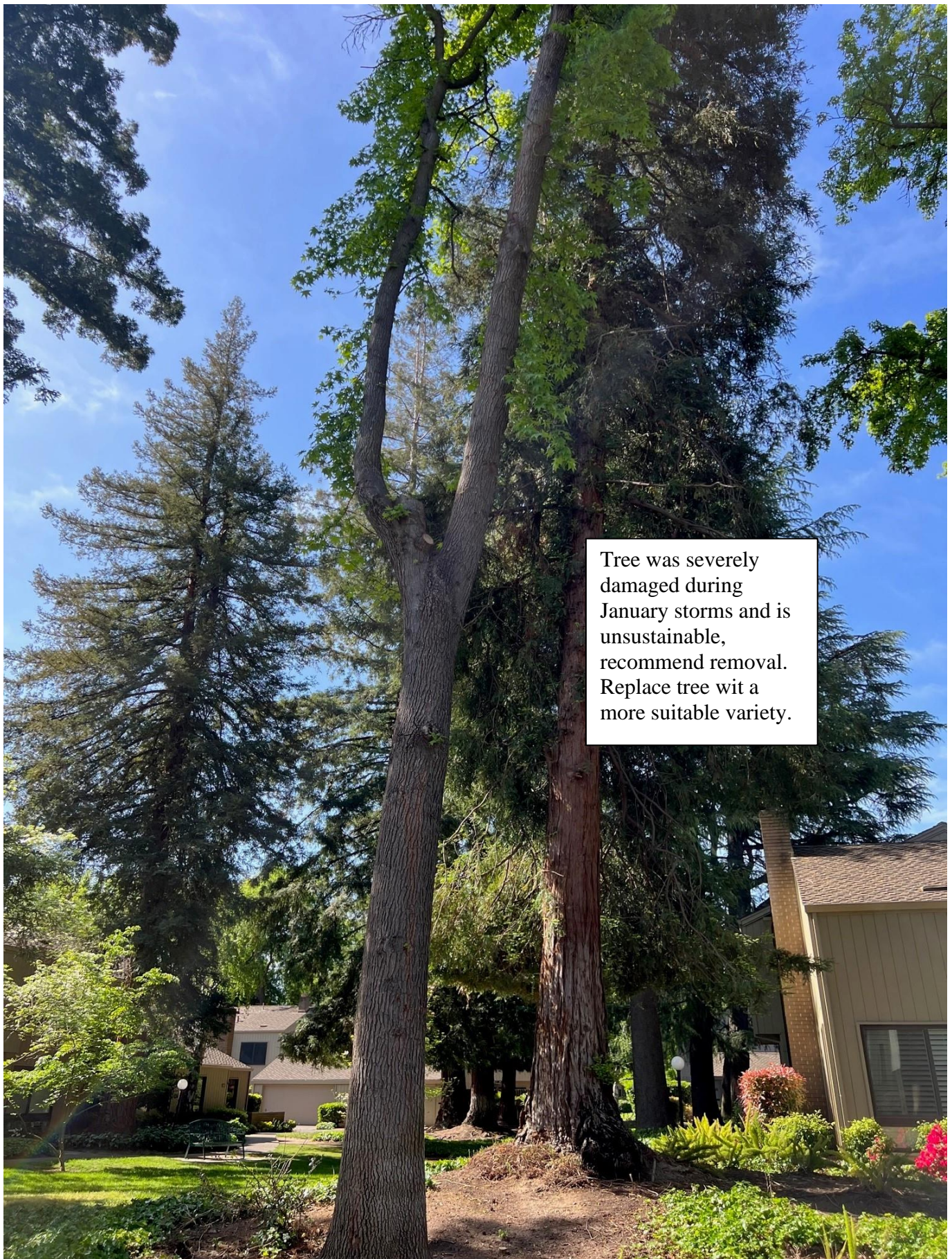




Tree was planted ~ 4" to deep, that caused the tree to suffocate and never establish good rooting.

Figure 8





Tree was severely damaged during January storms and is unsustainable, recommend removal. Replace tree with a more suitable variety.

Figure 9





Figure 10





Figure 11





Figure 12





Figure 13





Figure 14





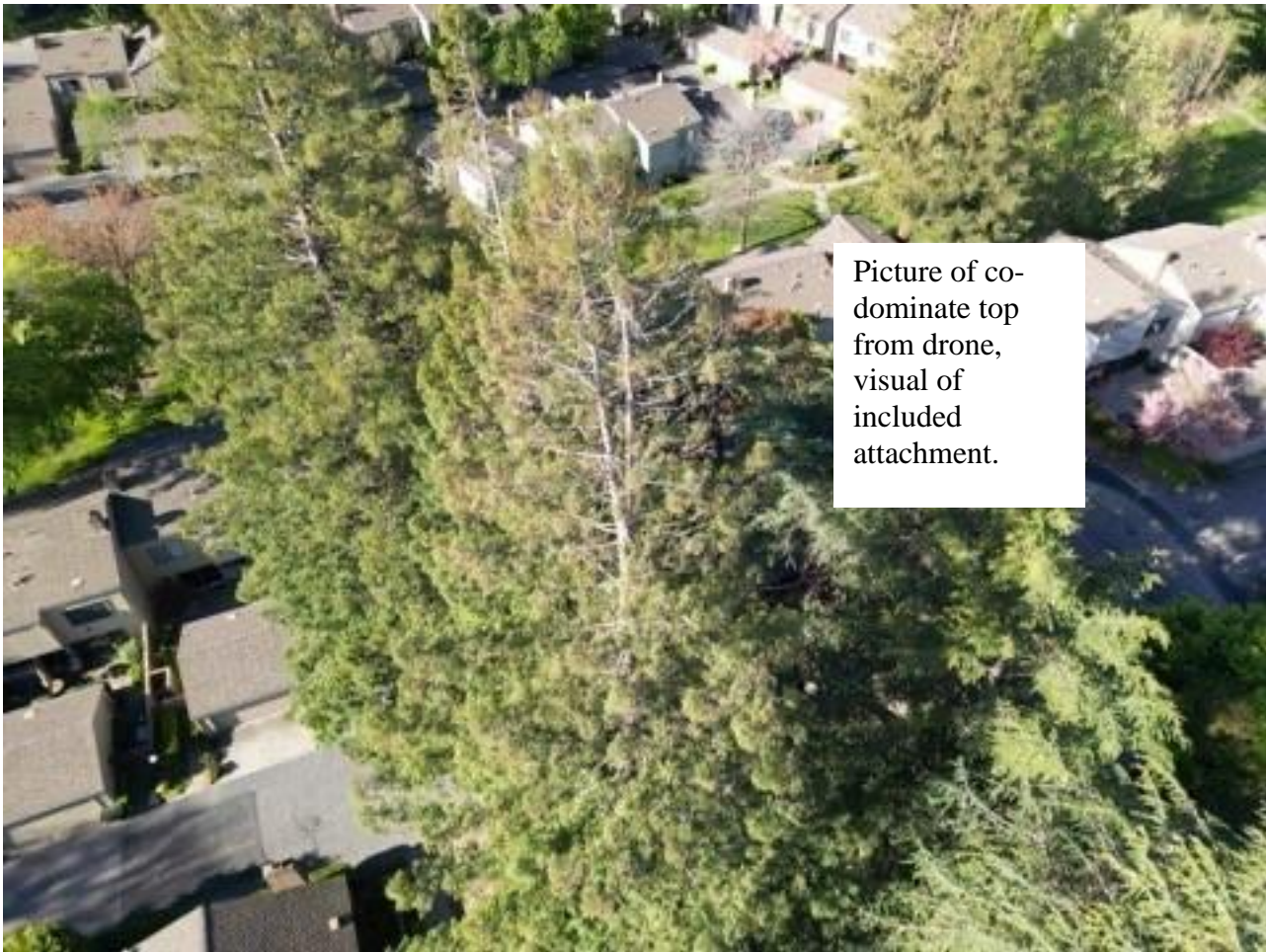
Figure 15





Figure 16





Picture of co-  
dominate top  
from drone,  
visual of  
included  
attachment.

Figure 17





Figure 18





Figure 19





Figure 20





Figure 21



Crown reduction,  
entire canopy



Figure 22





Co- dominate top  
reduction.

Upper crown reduction  
and restoration pruning  
to clean up broken  
limbs from storm  
damage.

Figure 23





Figure 24





Figure 25





Figure 26





Figure 27



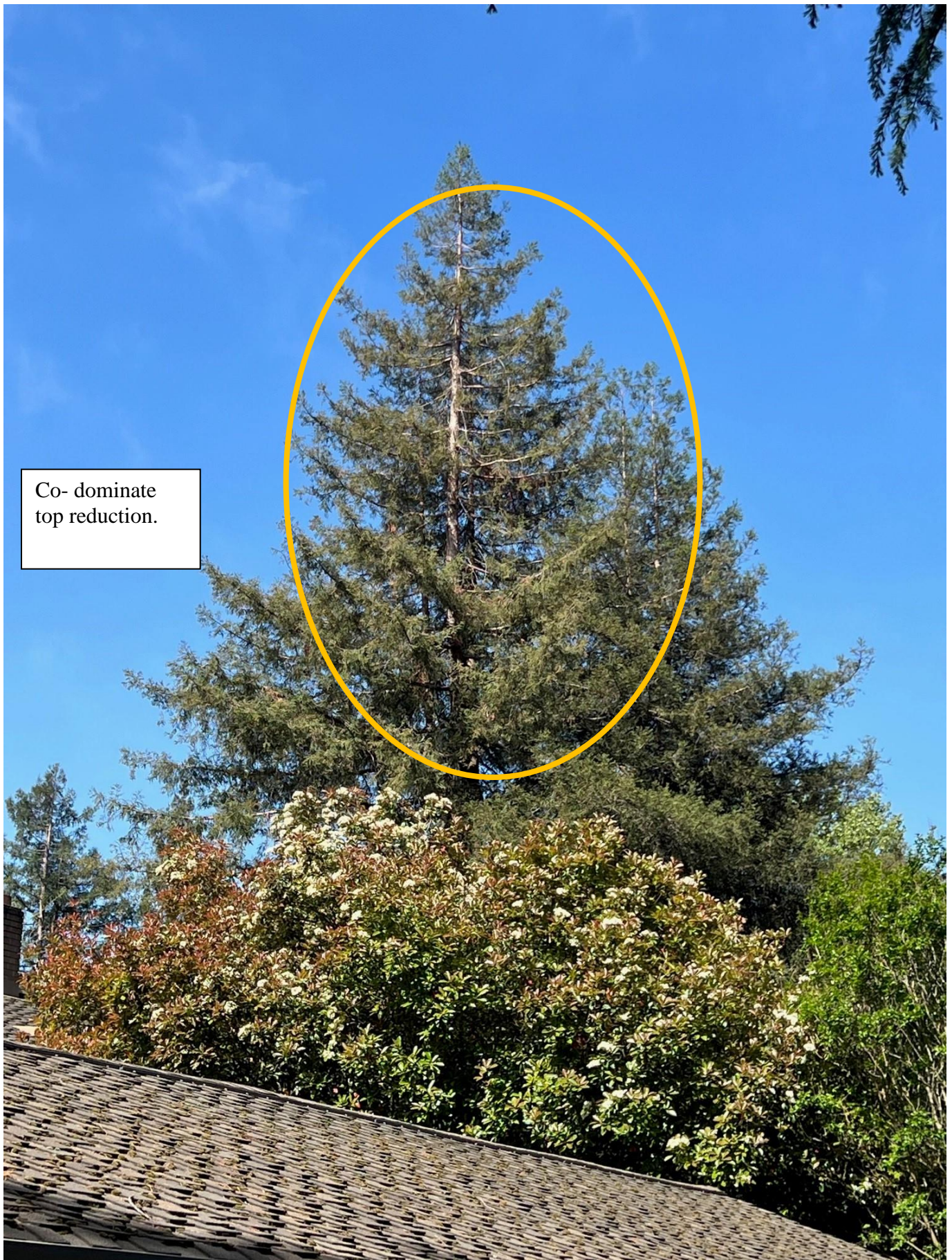


Figure 28





Figure 29



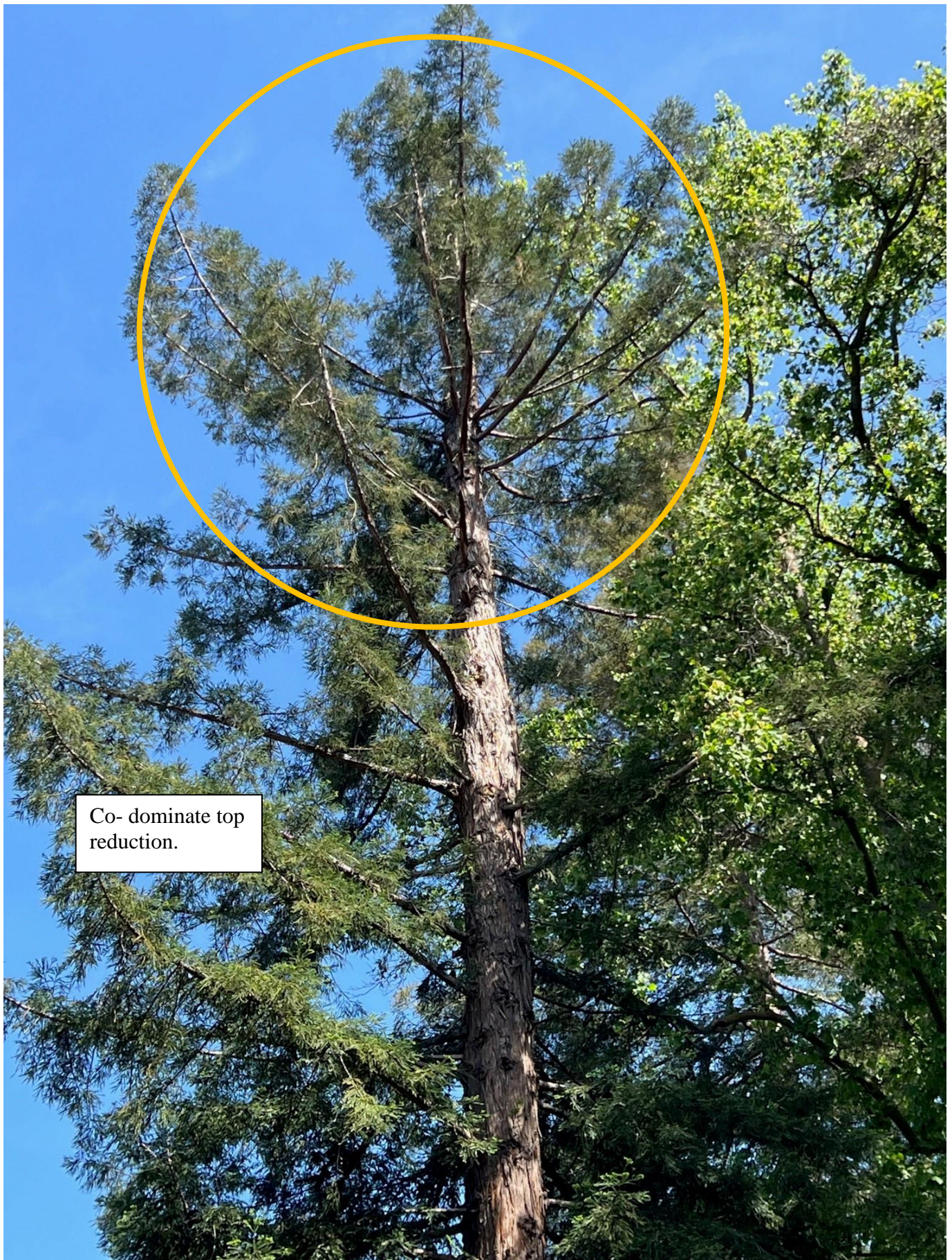


Figure 30





Figure 31



\*This report is based on a basic visual inspection of the trees listed above. It is recommended that a more detailed evaluation of the trees be on a case-by-case basis at the request of Nepenthe association.

Sincerely,

Paul Dubois  
The Grove Total Tree Care  
ISA Certified Arborist WE-9034AU  
Qualified Tree Risk Assessor



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