



June 3, 2021

The Nepenthe Association
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On May 28, 2021, 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 3) Tree #895 Interior Live Oak (*Quercus wislizeni*) 1331 Commons Dr. This tree is one we monitor yearly due to cable system in the tree. The tree canopy is full and healthy I recommend weight reduction pruning to reduce pressure on cable system. (Figure 1)
- (Zone 3) 2 Trees #893, #891 Chinese Elm (*Ulmus parvifolia*) in front of 1329 Commons Dr. (Figure 2). These 2 trees full and over weighted canopy I recommend full prune of trees canopy to help minimize limb failure due to excessive limb weight
- (Zone 3) 3 Trees #938, #936 & 888 Tulip tree (*Liriodendron tulipifera*), 2310 Swarthmore (Figure 3) Trees canopy are full and heavy I recommend weight reduction pruning.
- (Zone 3) Tree #886, Live Oak (*Quercus agrifoli*), 1333 Commons Dr. Tree has a thin stressed canopy (Figure 4). The tree is still recovering from a change in the growing condition; there was another live oak that was removed in 2020 due to decline that partially crowded this tree. I recommend deadwood pruning only and to monitor this trees health going forward.
- (Zone 3) Tree #885 Ash (*Fraxnis angustifolia*) 2316 Swarthmore. (Figure 5) The tree canopy has long over extended limbs I recommend end weight reduction pruning.
- (Zone 3) Tree #882 Deodar Cedar (*Cedrus deodara*), 2318 Swarthmore. (Figure 6) Trees canopy is full and heavy I recommend weight reduction pruning to avoid limb failure
- (Zone 3) Tree #877, Sweet Gum (*Liquidambar styraciflua*) near to 2320 Swarthmore (Figure 7). I recommend weight reduction pruning of trees canopy.
- (Zone 3) Tree #867 Interior Live Oak (*Quercus wislizeni*), 2326 Swarthmore (Figure 8). This tree has sustained 3 major failures. It was addressed last year for weight reduction. I recommend light

thinning throughout the canopy and the removal of deadwood. Continue to monitor this trees health.

- (Zone 3) Tree #No Tag Redwood (*Sequoia sempervirens*) next to 411 Dunbarton Circle. (Figure 9). The tree has co dominant tops. This is a common failure point and we have had success with reducing these throughout the community to prevent failure. I recommend selective reduction of the codominant tops.
- (Zone 3) Tree #988 Chinese pistache (*Pistacia chinensis*), 615 Dunbarton Circle. Trees have long and over extended branching in canopy, I recommend branch reduction pruning through the canopy to reduce stress on branching attachments. (Figures 10).
- (Zone 3) Tree No Tag Chinese pistache (*Pistacia chinensis*), 709 Dunbarton Circle. (Figure 11) This tree has had issues with stability and we've been pruning this tree for growth training. There has been some degree of success in redirecting this trees growth. I recommend additional pruning to direct growth to retain tree.
- (Zone 3) 5 Trees #711, 716, 717, 718, 719 Tulip tree (*Liriodendron tulipifera*) in greenbelt near 1005 Dunbarton Circle. Trees have a full and over weighted canopy (Figure 12). I recommend full prune of trees canopy to reduce canopy failure issues.
- (Zone 3) 3 Trees #1051, 1062, 1063 Chinese pistache (*Pistacia chinensis*), 1015 Dunbarton Circle. Trees have long and over extended branching in canopy, I recommend branch reduction pruning through the canopy to reduce stress on branching attachments. (Figures 13).
- (Zone 3) Tree #279, Trident Maple (*Acer buergerianum*), 1003 Dunbarton Circle. Trees need structural pruning to help with proper development (Figure 14)
- (Zone 3) Tree #1055 Red oak (*Quercus rubra*) near 1013 Dunbarton Circle. Young tree needs structural pruning to encourage proper development.(Figure 15)
- (Zone 3) Tree #1053 Chinese pistache (*Pistacia chinensis*), 1007 Dunbarton Circle. Tree has long and over extended branching in canopy, I recommend branch reduction pruning through the canopy to reduce stress on branching attachments. (Figures 16).
- (Zone 3) 2 Trees #1058, #1059 Zelcova (*Zelcova serrata*), 1011 Dunbarton Circle (Figure 17). These trees have full and over weighted canopy I recommend weight reduction pruning to reduce the potential of limb failure.
- (Zone 3) Tree #No Tag Red Maple (*Acer rubrum*) 1017 Dunbarton Circle Young tree needs structural pruning to encourage proper development (Figure 18).
- (Zone 3) 4 Trees # 916, 917, 918, 919 Deodar cedar (*Cedrus deodara*) 1395, 1371 Commons Dr. (Figure 19) trees have full and heavy canopy I recommend weight reduction pruning. (Figure 19).
- (Zone 3) 2 Trees # 899, 900 Deodar cedar (*Cedrus deodara*) 1333, 1355 Commons Dr. (Figure 19) trees have full and heavy canopy I recommend weight reduction pruning. (Figure 20).
- (Zone 3) Tree # 926, Red Oak (*Quercus rubrum*), 101 Dunbarton Circle. (Figure 21). The tree canopy is full and heavy I recommend weight reduction pruning.

- (Zone 3) Tree # Tag, Red Oak (*Quercus rubrum*), 109 Dunbarton Circle. (Figure 22). The tree canopy is full and heavy I recommend weight reduction pruning.
- (Zone 3) 2 Trees #925, #No Tag Sweetgum (*Liquidambar styraciflua*) 1395 Commons Dr. (Figure 23) these two trees were pruned heavy last year reducing the overall height and weight of the trees due to multiple limb failure. The trees have responded well to the pruning and require additional pruning to redirect the new growth.



Figure 1

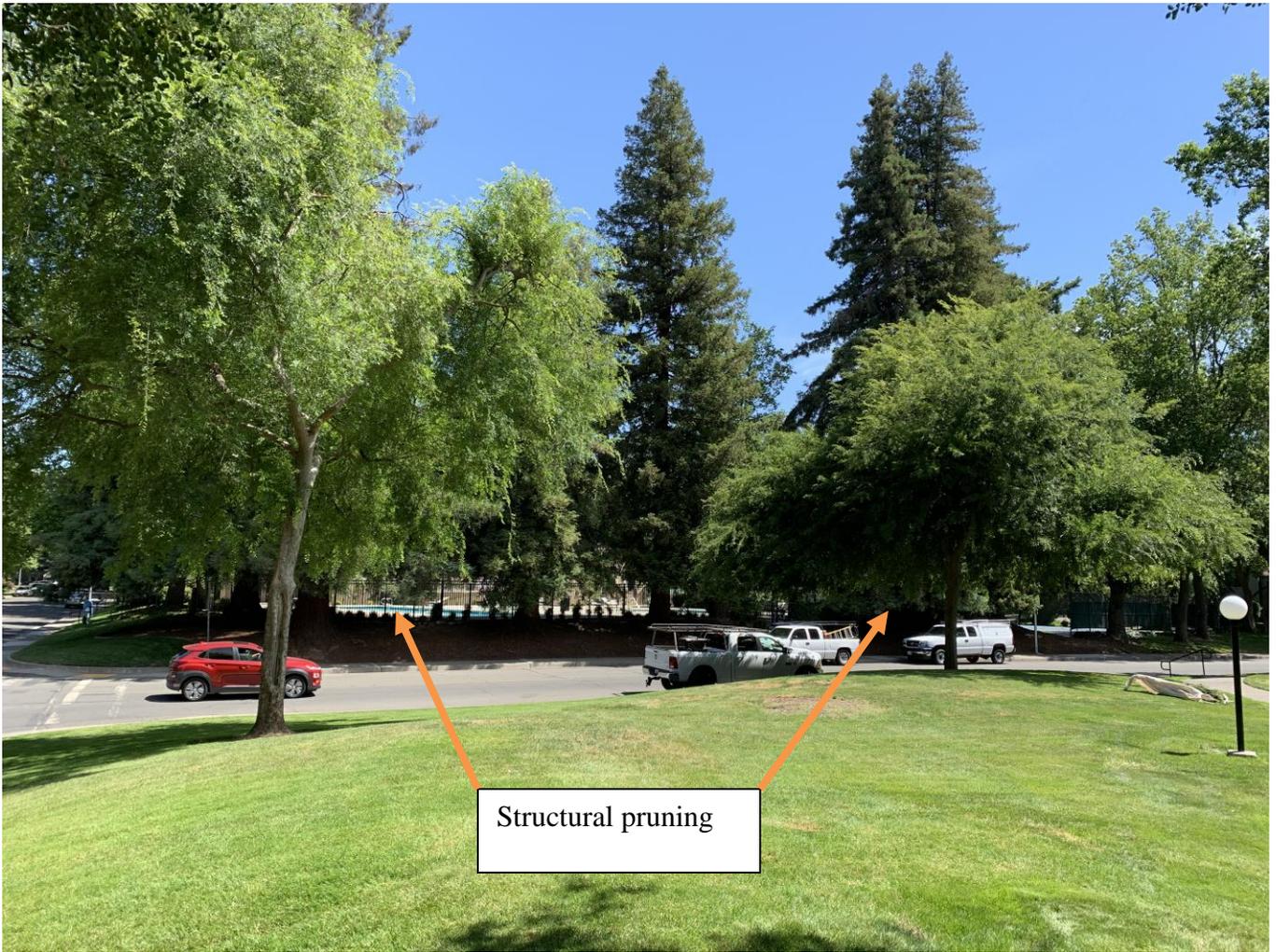


Figure 2



Figure 3

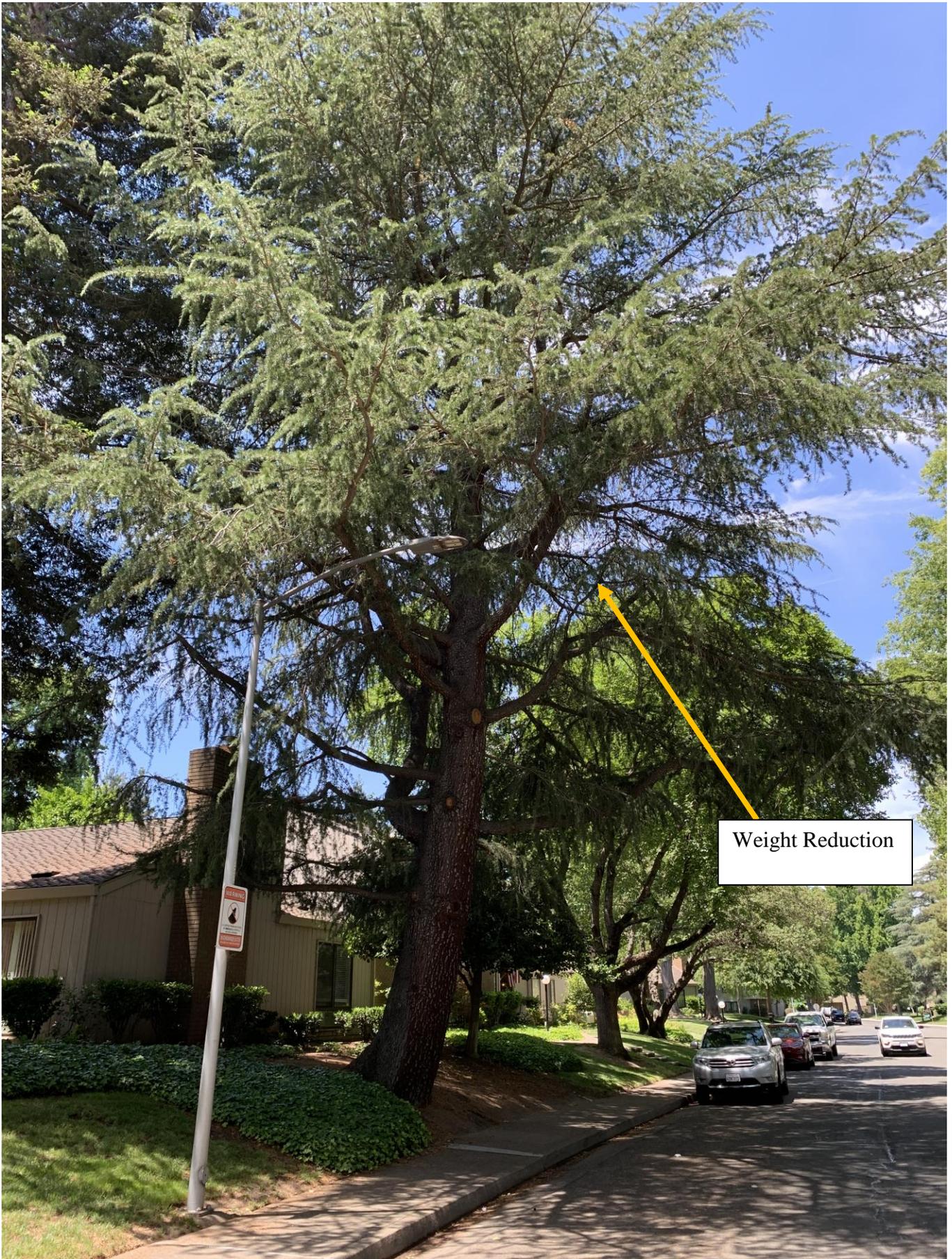


Figure 4



End weight
reduction pruning

Figure 5



Weight Reduction

Figure 6



Figure 7



Light thinning
and deadwood
only

Figure 8



Figure 9



Figure 10



Figure 11



Figure 12



Figure 13



Prune trees for structural development

Figure 14



Figure 15

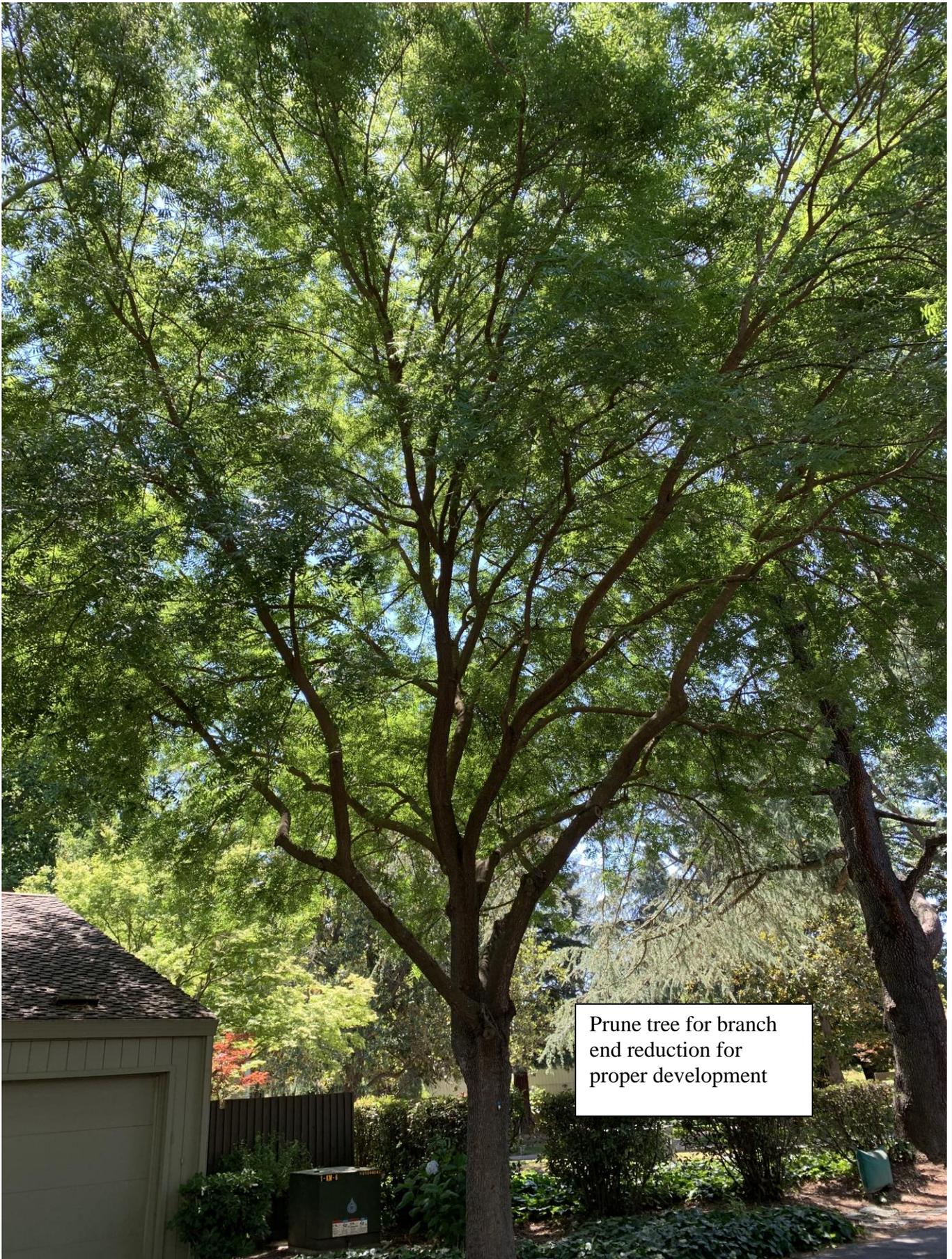


Figure 16



Figure 17



Structural pruning

Figure 18



Figure 19



Figure 20



Figure 21



Figure 22

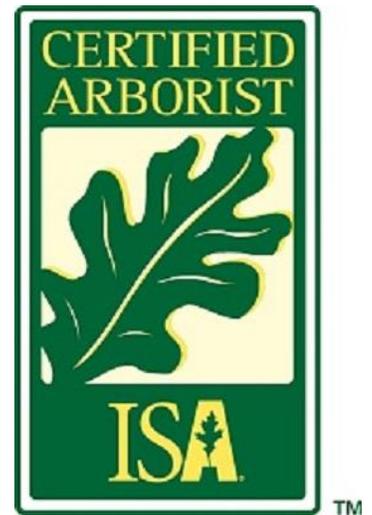


Figure 23

*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
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Qualified Tree Risk Assessor



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