



August 13, 2020

The Nepenthe Association  
1131 Commons Dr.  
Sacramento, CA 95825  
Phone: (916) 929-8380  
Email: [Bettsi.Ledesma@fsresidential.com](mailto:Bettsi.Ledesma@fsresidential.com)

On August 12, 2020, 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*) 1329 Commons Dr.(Figure 1) 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.
- (Zone 3) Trees #938, #936 & 935 Tulip tree (*Liriodendron tulipifera*), 2310 Swarthmore (Figure 2) Trees 938 and 935 the canopy are full and heavy I recommend weight reduction pruning. Tree #936 has a root that is causing lifting of the walk way in the patio of 2310 Swarthmore (Figure 3-4), I recommend root pruning to alleviate the root lifting issue.
- (Zone 3) Tree #No Tag, Podocarpus (*Podocarpus neriifolius*), 2316 Swarthmore. Tree has out grown planting location and is building clearance issue as well as pathway for rodents to the roof and has sustained major damage due to rodents stripping bark. (Figure 5-6) I recommend removal.
- (Zone 3) Tree #875 Interior Live Oak (*Quercus wislizeni*), 2322 Swarthmore, (Figure 7) this tree has major dieback in canopy and appears in decline. I recommend removal of this tree due to current condition. There is another podocarpus (*Podocarpus neriifolius*), at this address as well and the tree has out grown planting location and is building clearance issue I recommend removal (Figure 8).
- (Zone 3) Tree #867 Interior Live Oak (*Quercus wislizeni*), 2326 Swarthmore (Figure 9). This tree has sustained 3 major failures in the past 2 years. I recommend weight reduction pruning on the remaining canopy to retain the tree and prevent further failure.

- (Zone 3) Tree #966, Bradford Pear (*Pyrus calleryana*), next to 409 Dunbarton Circle. (Figure 10-11). This tree has a major lean with no self-correction and there is soil bulging at the base on the back side of the lean. These signs are usually associated with a tree that is in process of uprooting and I believe the tree is a failure risk. I recommend removal.
- (Zone 3) Tree #985 Chinese pistache (*Pistacia chinensis*), 601 Dunbarton Circle. Trees have full and over weighted canopy (Figures 12). I recommend full prune of trees Canopy.
- (Zone 3) Trees No Tag Chinese pistache (*Pistacia chinensis*), 709 Dunbarton Circle. (Figure 13) This tree has had issues with stability and we've been pruning this tree for growth training. We recommend additional pruning to direct growth to retain tree.
- (Zone 3) Tree# 996 Deodar cedar (*Cedrus deodara*) 707 Dunbarton Circle (Figure 14) his tree has full and heavy canopy I recommend weight reduction pruning. This tree should be monitored going forward as there is a significant cavity at the base of the tree with signs of internal decay (Figure 15).
- (Zone 3) Tree# 1030 Deodar cedar (*Cedrus deodara*) 801 Dunbarton Circle. The tree a signifigant inclusion and is co dominate and also has an old cable system installed in the tree that is now in a place that is insufficient to add the necessary support (Figure 16-17). In addition The canopy is heavy and I recommend weight reduction pruning and inspecting the cable, removing the cable and re installing at a proper height if needed.
- (Zone 3) Tree # No Tag Ash (*Fraxnis angustifolia*) 813 Dunbarton Circle. (Figure 18) The tree canopy is full and heavy I recommend weight reduction pruning.
- (Zone 3) Tree #1036 Ash (*Fraxnis angustifolia*) 817 Dunbarton Circle. The tree has one long heavy limb that I propose to remove to reduce failure (Figure 19).
- (Zone 3) Trees # 1046, #1047, #1048 Chinese pistache (*Pistacia chinensis*). 901, 903, 907 Dunbarton Circle, (Figure 20). These trees have full and over weighted canopy I recommend weight reduction pruning to reduce the potential of limb failure. Due to concerns for the trees and the pruning, all pruning on these trees will have the Arborist on site to direct the crew pruning operations for this location.
- (Zone 3) Tree #1051, Chinese pistache (*Pistacia chinensis*), next to 101 Dunbarton Circle. (Figure 21). The tree canopy is full and heavy I recommend weight reduction pruning.
- (Zone 3) Tree #1056 Japanese maple (*Acer palmatum*) 1013 Dunbarton Circle, (Figure 22) this tree has died due to verticillium wilt I recommend removal of this tree. There is another podocarpus (*Podocarpus neriifolius*), at this address as well and the tree has out grown planting location and is building clearance issue I recommend removal.
- (Zone 3) Trees #1058, #1059 Zelcova (*Zelcova serrata*), 1011 Dunbarton Circle (Figure 23). These trees have full and over weighted canopy I recommend weight reduction pruning to reduce the potential of limb failure.
- (Zone 3) Trees #684 Sweet Gum (*Liquidambar styraciflua*), #686 Zelcova (*Zelcova serrata*), #687 Tulip tree (*Liriodendron tulipifera*) 1113 Dunbarton Circle (Figure 24-25). The trees canopy are full and heavy I recommend weight reduction pruning. On tree #686 Zelcova (*Zelcova serrata*) I recommend selective limbs to be removed due to recent failure.

- (Zone 3) Trees #676, #677, #679, #1703 White Birch (*Betula pendula*), next to 1433 Commons. (Figure 26). The trees in this location are in decline, there is noticeable decline of the canopy in all these trees believe decline will continue I recommend the trees removal and a replacement of a suitable variety
- (Zone 3) Tree #960, Chinese pistache (*Pistacia chinensis*), next to 401 Dunbarton Circle. (Figure 27-28). The tree has a pronounced inclusion in the main branching to reduce failure risk since the trees canopy is full and heavy I recommend weight reduction pruning.
- (Zone 3) Tree #958, Chinese pistache (*Pistacia chinensis*), next to 305 Dunbarton Circle. (Figure 29). The tree canopy is full and heavy I recommend weight reduction pruning.
- (Zone 3) Trees #942, #941 Ash (*Fraxinus angustifolia*), #940 Goldfinch Rain (*Koeleria paniculata*), #939 Sweet Gum (*Liquidambar styraciflua*), Trees in Greenbelt near 205 Dunbarton Circle (Figure 30-31). The tree's canopies appear full and heavy I recommend weight reduction pruning.
- (Zone 3) Tree # Tag, Red Oak (*Quercus rubra*), 109 Dunbarton Circle. (Figure 32). The tree canopy is full and heavy I recommend weight reduction pruning.



Figure 1



Figure 2



Roots encroaching into patio causing lifting

Figure 3



Patio lifting  
caused by roots

Figure 4



Figure 5



Figure 6



Tree is in Decline  
recommend  
removal

Figure 7



Figure 8

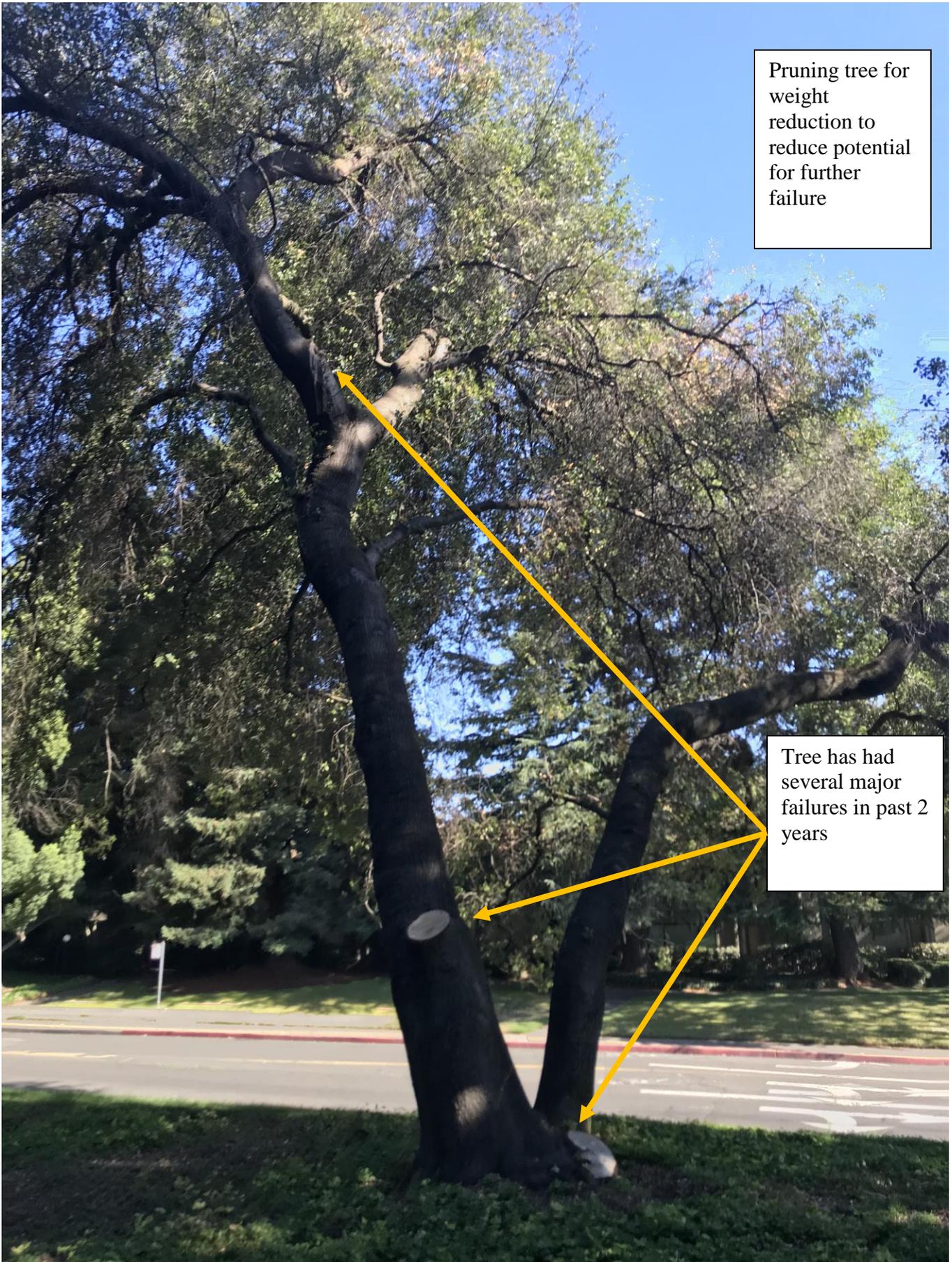


Figure 9



Figure 10



Bulging soil area at base of tree is typical a sign of root failure

Figure 11



Figure 12



Figure 13



Recommend  
weight  
reduction

Figure 14

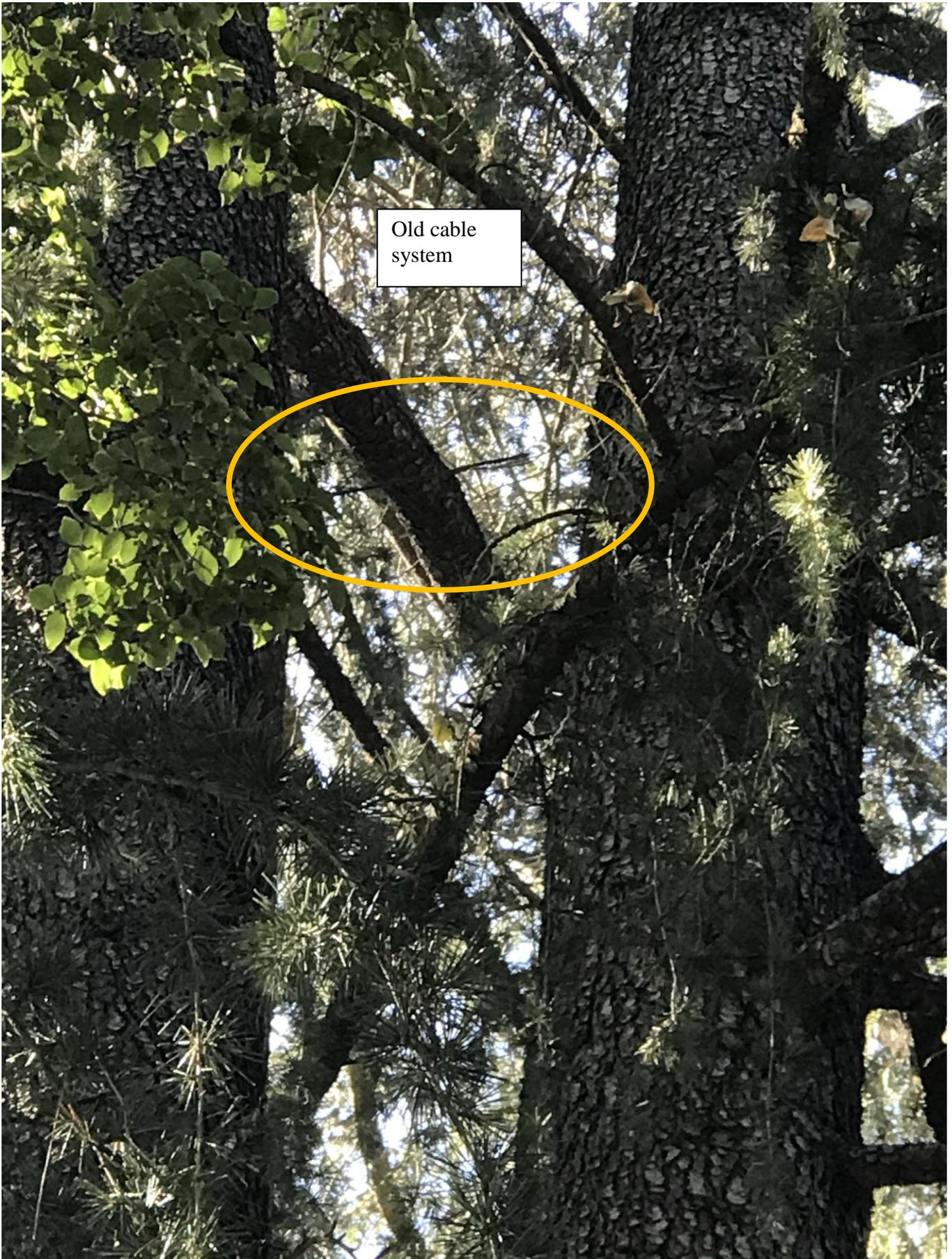


Will monitor  
this cavity at the  
base of the tree

Figure 15



Figure 16



Old cable  
system

Figure 17



Figure 18



Figure 19



Figure 20



Figure 21

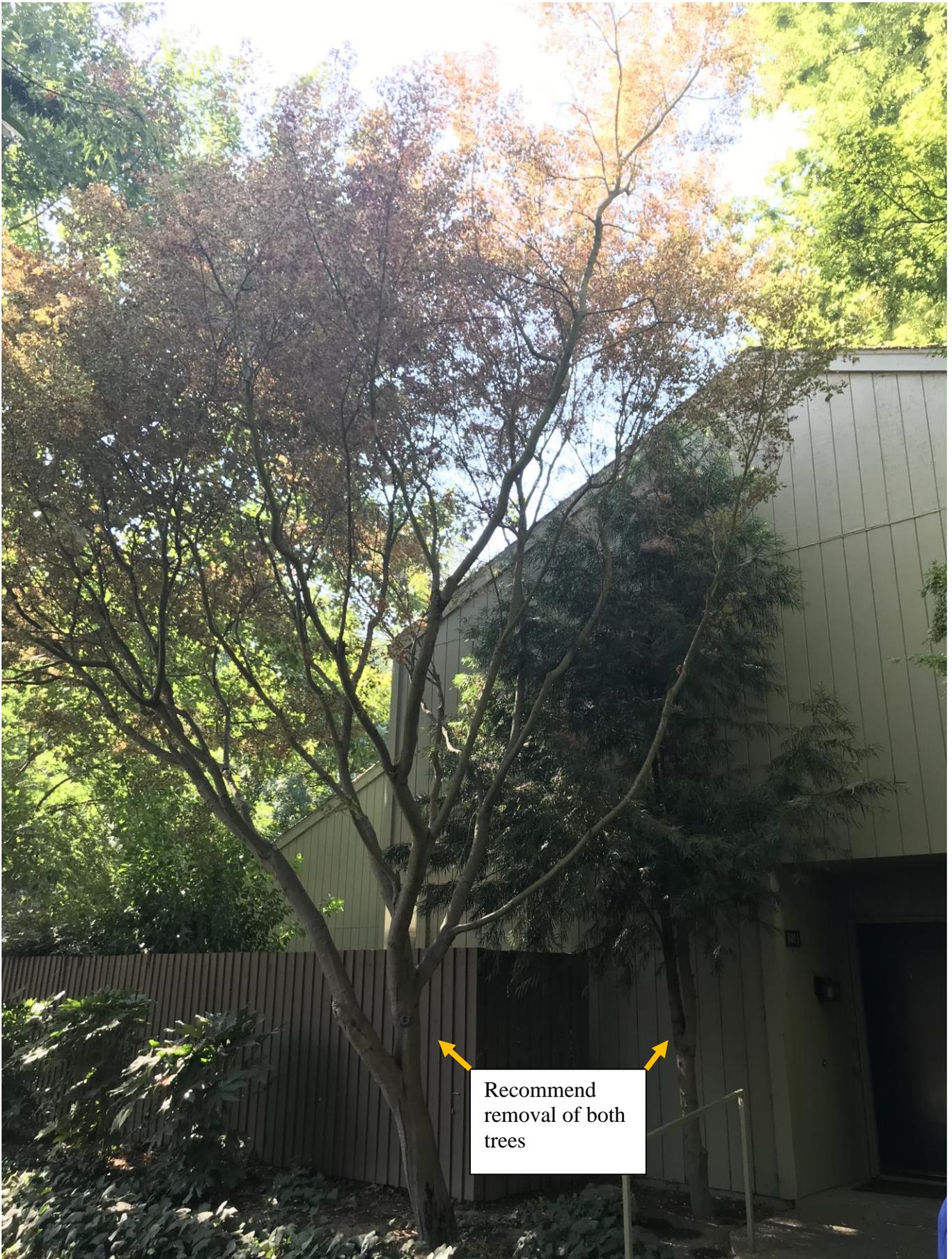
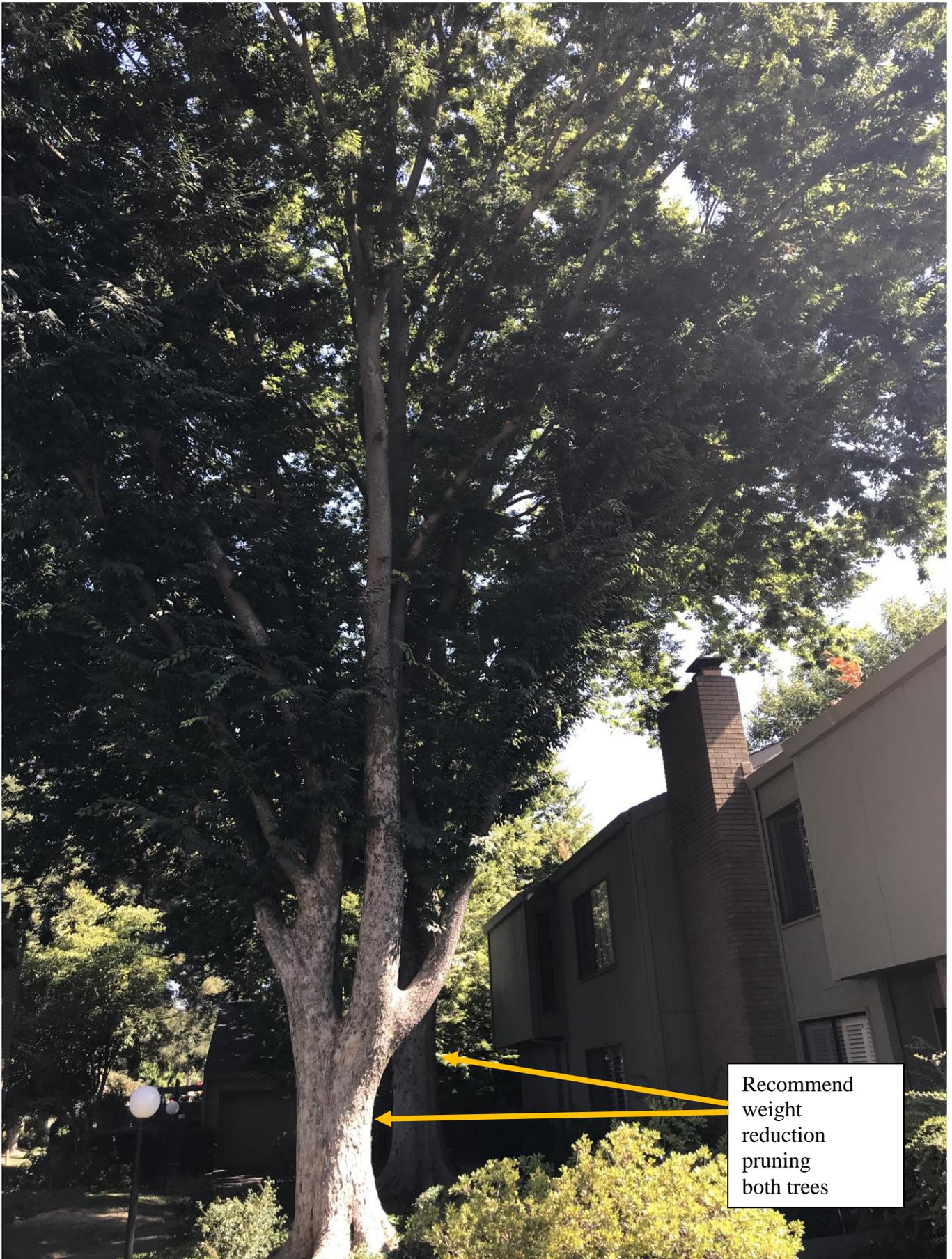


Figure 22



Recommend  
weight  
reduction  
pruning  
both trees

Figure 23



Recommend  
weight  
reduction  
pruning on  
Liquid amber

Figure 24



Removal of this  
one limb on  
Zelkova

Recommend  
weight  
reduction  
pruning on  
Tulip Tree

Figure 25



Figure 26



Recommend  
weight  
reduction

Figure 27



Figure 28



Recommend  
weight  
reduction

Figure 29



Figure 30



Figure 31



Recommend  
weight  
reduction  
pruning

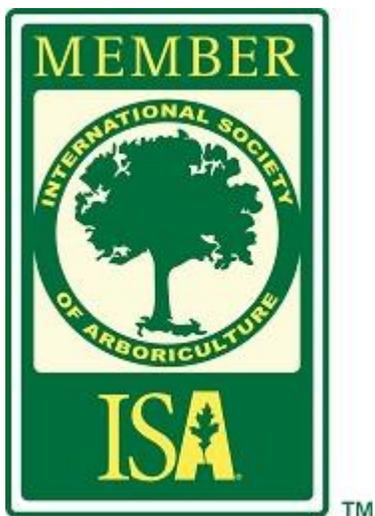
1329-1365  
Crimmons Drive  
1308  
Swarthmore Drive  
201-205

Figure 32

\*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 Board Certified Master Arborist WE-9034BUM  
Qualified Tree Risk Assessor



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9530 Elder Creek Road, Sacramento CA 95829  
OFFICE: 916-231-8733 FAX: 916-856-5410

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