March 14, 2022

The Nepenthe Association
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On March 1, 2022 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 1) Tree #No Tag Elm (*Ulmus parvifolia)*, In green belt in front of 2310 American River Dr. Young tree need structural pruning to encourage proper development (Figure 1)

- (Zone 1) Tree #370 Tupelo (*Nyssa sylvatica),* In green belt in front of 2308 American River Dr. Tree has need of structural pruning to establish healthy branching (Figure 2).

- (Zone 1) 3 Tree's at this location: 1 Tree #8 Red cedar (*Thuja plicata*), 2 Tree's #7, #9 Black pine (*Pinus thunbergii)* trees on Howe Ave. berm across from 2320 American river Dr. The red cedar has a major wound from a past failure, and the two pines appear to be in decline. I recommend removal due to a safety risk (Figure 3-4)

- (Zone 1) Trees #25, #40 Redwood (*Sequoia sempervirens)* near 21 Colby Ct. in greenbelt. These 2 trees both have included co dominate tops. Due to the failure potential, I recommend reduction pruning of the co dominate tops of these trees to help reduce failure (Figure 5)

- (Zone 1) Tree #No Tag Saucer Magnolia (*Magnolia X soulangeana*) in planter Island in Colby Ct. Tree needs structural pruning to encourage proper development (Figure 6)

- (Zone 1) Tree #No Tag Zelkova (*Zelcova serrata*) 12 Colby Ct. This tree will require structural pruning to help with direction of growth and healthy canopy development (Figure 7)

- (Zone 1) Tree #360 Redwood (*Sequoia sempervirens)* in front of 1035 Commons. The tree has included co dominate tops. Due to the failure potential, I recommend reduction pruning of the co dominate tops of this trees to help reduce failure (Figure 8)

- (Zone 1) Tree #No Tag Valley oak (*Quercus lobatta*), in greenbelt near 1101 Commons Dr. This tree will require structural pruning to help with direction of growth and healthy canopy development (Figure 9)

- (Zone 1) Tree #No Tag Red Maple (*Acer rubrum*), in greenbelt near 1101 Commons Dr. This tree will require structural pruning to help with direction of growth and healthy canopy development (Figure 10)

- (Zone 1) Tree #51 Redwood (*Sequoia sempervirens)* tree on Howe Ave. berm across from 1065 Commons Dr. The tree has died. I recommend removal due to a safety risk (Figure 11)

- (Zone 1) Tree #248 Privet (*Ligustrum lucidum*), next to 11 Adelphi. This tree has a major wound on the trunk at the attachment point. I recommend removal (Figure 12-13).

- (Zone 1) Tree #No Tag Red Maple (*Acer rubrum*), in greenbelt near 1111 Commons Dr. This tree will require structural pruning to help with direction of growth and healthy canopy development (Figure 14)

- Zone 1) 5 Trees at this location: 2 trees No Tag, Southern magnolia (*Magnolia grandiflora),* 3 trees No Tag, Crepe Myrtle (*Lagerstroemia indica*), next to 1111 Commons Dr. Trees requires structural pruning to help with direction of growth and healthy canopy development (Figure 15)

- (Zone 1) Tree #285 Chinese Pistache (*Pistacia chinensis*), next to 13 Adelphi Ct. The tree will require structural pruning to help with direction of growth and healthy canopy development (Figure 16)

- (Zone 1) 3 Trees #244, 246, 249, Crepe Myrtle (*Lagerstroemia indica*), next to 15,29,33 Adelphi Ct. The trees will require structural pruning to help with direction of growth and healthy canopy development (Figure 17)

- (Zone 1) Tree #104 Tulip tree (*Liriodendron tulipifera*) in greenbelt along Howe Ave. berm next to 31 Adelphi Ct. Tree in decline major dieback in upper canopy, this tree is a safety risk I recommend removal (Figure 18).

- (Zone 1) Tree #125 Camphor (*Cinnamomum camphora)* in front of 16 Adelphi Ct. This tree is showing signs of decline in canopy with about 50% of the total canopy dead as well as major cavities in the trunk. Due to the extent of the decline as well as the chlorotic and stunted leaf growth I suspect verticillium wilt as a cause of this trees decline and recommend removal of this tree (Figure 19)

Figure 1

Figure 2

Figure 3

Figure 4

Figure 5

Figure 6

Figure 7

Figure 8

Figure 9

Figure 10

Figure 11

Figure 12

Figure 13

Figure 14

Figure 15

Figure 16

Figure 17

Figure 18

Figure 19

*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