



Memo

To: The Atherton Planning Commission
From: Sally D Bentz-Dalton, Town Arborist
CC: Radha Hayagreev, Senior Planner
Date: 6/14/23
Re: Tree Protection Zone (TPZ) Exception 183 Patricia

I have reviewed the application at 183 Patricia and offer the following observations and recommendation for your review:

The applicant is applying for TPZ exceptions for the following trees:

1. Tree #21 (Redwood), 38" DBH (estimated)
a. Exception to 6.52x (20'-8") away
b. % of encroachment: 3.4%
Proposed trellis, BBQ and utility area

2. Tree #22 (Redwood), 44" DBH (estimated)
a. Exception to 5.75x (21'-1") away
b. % of encroachment: 6.7%
Proposed trellis, BBQ and utility area

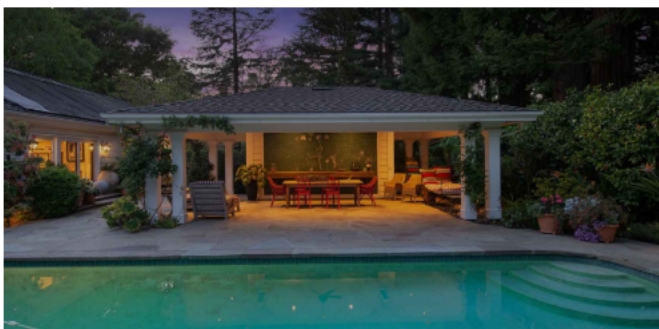
3. Tree #25 (Redwood), 28" DBH (estimated)
a. Exception to 9.60x (22'-5") away
b. % of encroachment: 0.1%
Proposed trellis

4. Tree #26 (Maple), 32.1" DBH
a. Exception to 6.54x (17'-6") away
b. % of encroachment: 3.0%
Proposed trellis

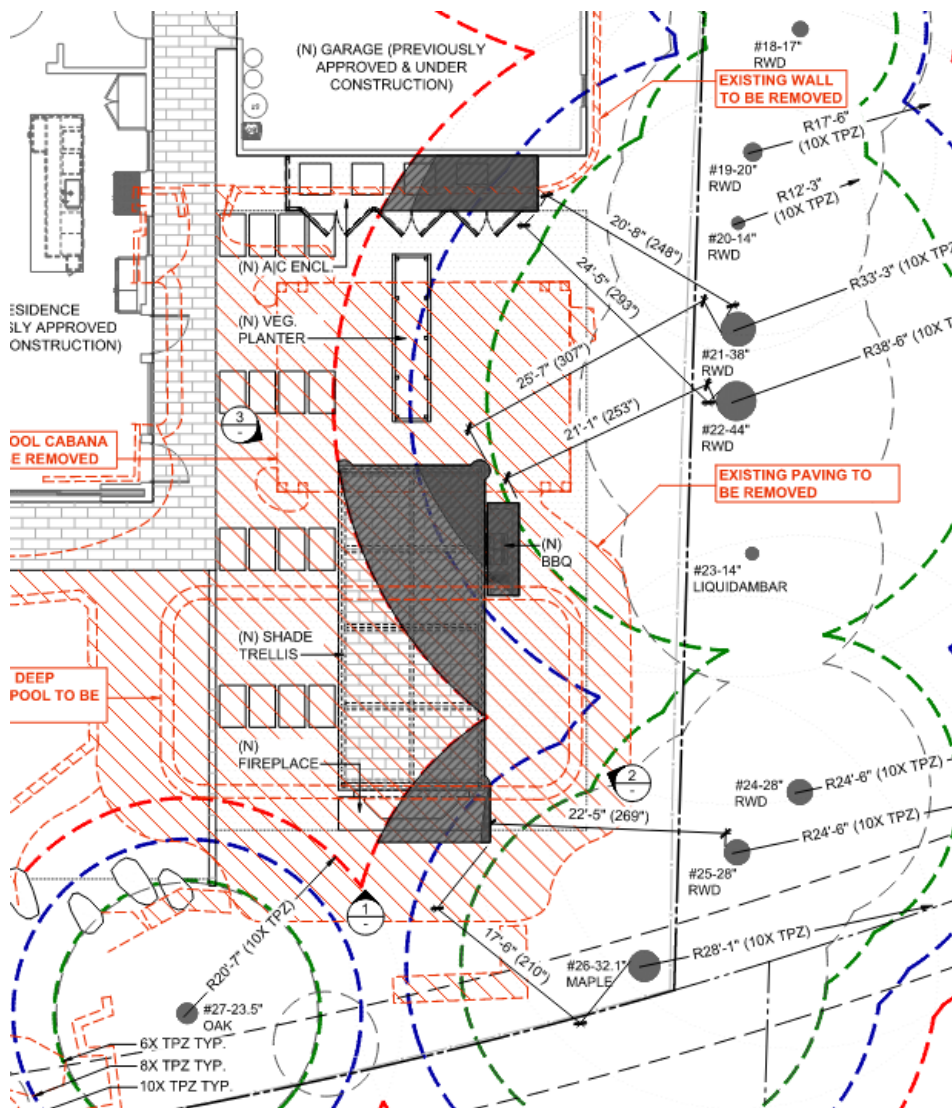
In March 2023, a revised Arborist report inventory was conducted for this site by Kielty Arborist Services LLC.

Redwood tree #21, 22 and 25 are the neighbor's trees and tree #26 is on the 183 Patricia property. The neighbor's trees were recorded to be in fair health.

Tree #26 Silver maple Fair vigor, poor form, topped for utilities, off balanced, heavy into property.



2 (E) POOL AND CABANA (TO BE REMOVED)
L-1.01 SCALE: N/A



The applicant is proposing to install a new shade trellis and BBQ. The existing location has a pool house, cabana, pool and paving. The applicant is proposing to demo the cabana, pool and much of the existing paving. The existing pool and cabana do not meet the current code.

Tree #21 – The current cabana is 15.9' away. The proposed trellis is 25.7' away.

Tree #22 – The current cabana is 15.10' away. The proposed trellis is 21' away. The existing paving is 18.9' away. The paving is proposed to be removed.

Tree #25 – The existing paving is 11' away. The existing pool is 17' away. The new trellis is proposed to be 22.5' away with no paving or pool.

Tree #26 – The current paving is 10.11' away. The trellis will be 17.6' away with no paving. Demoiing the pool with add more soil volume.

In all cases the TPZ zones are extending which means the trees will have more soil volume and less compaction. The disturbed area is being proposed to disturb less root zone for the trees.

The applicant explored moving the trellis to 10x away and it does not meet the Tonw code of 8' away from the main residence.

The applicant states that keeping clear of the 10x TPZ pushes these features too close to the residence, in violation of the minimum setback standards between buildings and accessory structures (8' minimum, per AMC 17.40.040). Other potential locations on the property, clear of TPZ encroachments, would place the proposed shade structure and barbecue beyond reasonable access requirements, defeating their purpose and depriving the property of the privileges enjoyed by other property owner in the vicinity under identical land use zoning district classifications.

In conclusion **I can recommend the below 4 requests** because the proposed trellis is further back from the existing conditions. Because of the existing paving there are most likely less roots located in the proposed area. Redwood species have a good tolerance to construction impacts. For the Silver Maple removing the pool and paving and adding irrigation the health of the tree will improve.

1. Tree #21 (Redwood), 38" DBH (estimated)

a. Exception to 6.52x (20'-8") away

b. % of encroachment: 3.4%

Proposed trellis, BBQ and utility area

3. Tree #25 (Redwood), 28" DBH (estimated)

a. Exception to 9.60x (22'-5") away

b. % of encroachment: 0.1%

Proposed trellis

2. Tree #22 (Redwood), 44" DBH (estimated)

a. Exception to 5.75x (21'-1") away

b. % of encroachment: 6.7%

Proposed trellis, BBQ and utility area

4. Tree #26 (Maple), 32.1" DBH

a. Exception to 6.54x (17'-6") away

b. % of encroachment: 3.0%

Proposed trellis

The following are requirements as part of the recommendation:

- Hand excavation only within 8x TPZ. This includes demo of the paving is required to be done by hand.
- The area under the drip line of trees should be thoroughly irrigated to a soil depth of 18" every 3-4 weeks during the dry months.
- Mulch should cover all bare soil within the tree protection fencing. This material must be 6-8 inches in depth after spreading, which must be done by hand. Coarse wood chips are preferred because they are organic and degrade naturally over time.
- Sufficient tree protection for the Silver Maple and neighbor's Redwoods during demo and trellis install.

I can recommend the exceptions based on the criteria below from Section 2.2 B. 2.

The probability of failure which is a function of heritage tree and site conditions such as, but not limited to, structural defects, presence of disease, species history, age or remaining life span, and varying weather conditions.

The information included in this memo is believed to be true and based on sound arboricultural principles and practices.

Sincerely,

Sally Bentz

Town Arborist

Certified Arborist WE#9238AM