

Arborist Report

From: Dan [REDACTED]
To: Mmi [REDACTED]; Martha [REDACTED]
Sent: Tue, Jan 31, 2023 3:33 pm
Subject: Earhart Village Homes Association

Hi Ralph,

Per your request, I reviewed the site at Earhart Village Homes Association in regards to the proposed sidewalk which will require a retaining wall due to the grade.

Roots stretch far and wide to give our trees a stable foundation. Anytime you cut tree roots, there is never a guarantee that it won't hurt or eventually kill the tree.

My concerns are the following;

- Removing large tree roots can make the tree unstable. These trees that will remain will be on the east side of the new sidewalk. When a tree grows it establish its roots based on wind load to protect it from uprooting. So on these trees the west side of the roots would be cut. Most of these trees are evergreens which have real shallow root structure so cutting these trees roots would make it unstable and a hazard to the homes behind them.
- In most cases cutting the roots trees will become unhealthy later on. If large roots are removed, the tree may not be able to get enough nutrients and water. This will cause decline or even aesthetic appeal to the front of the community.
- Make these trees stressed out can encourage insect and diseases to the trees. This can cause more dead branches or cause the tree to further decline and die.
- Timing is important. If you choose to cut or remove tree roots, winter and early spring are the best time of year to do so.

Pruning roots should be properly done and not just with a piece of machinery. Proper methods should be considered when pruning roots to make sure the tree has a chance for survival. So no one can guarantee that cutting the roots will not eventually kill your tree, though it may not happen immediately.

Daniel [REDACTED]
President
[REDACTED]
[REDACTED]