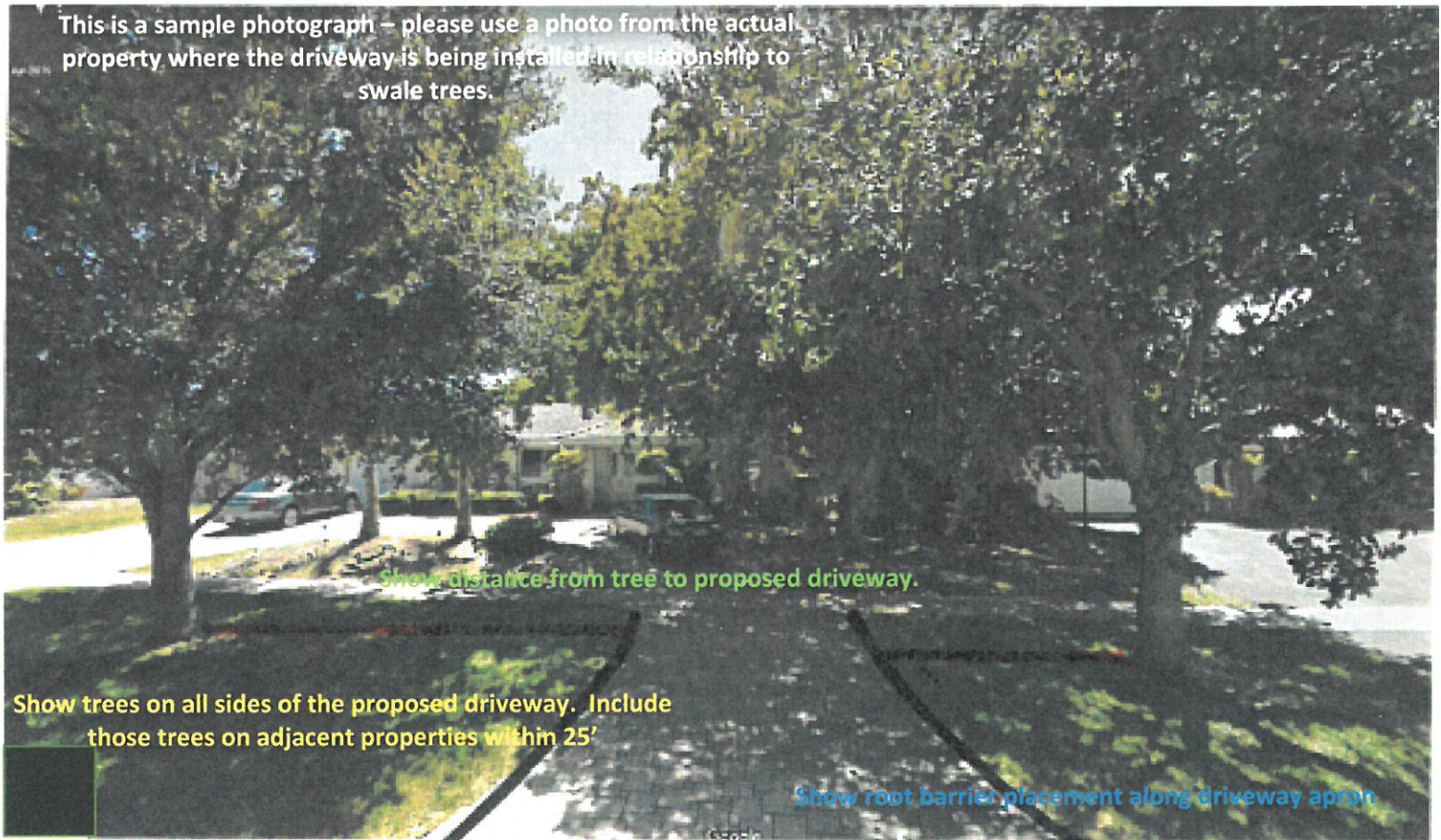


Sec. 13-46. - Tree abuse.

(a) *Tree abuse is prohibited.* Abused trees may not be counted toward fulfilling landscape requirements and may be required to be replaced. Tree abuse shall include:

- (1) Significant damage inflicted upon any part of a tree, including the root system, including but not limited to, damage by machinery, or pruning equipment, storage of materials, soil compaction, excavation, vehicle accidents, chemical application or change to the natural grade.**
- (2) Damage inflicted to or cutting pruning a tree which permits infection or pest infestation.**
- (3) Pruning a tree in such a manner which reduces the natural functions and biological processes of the tree or puts it into stress or shock conditions or kills the tree.**
- (4) Pruning a tree, in a manner which destroys the natural habit of growth.**
- (6) Stem base or root damage that occurs in the bottom four (4) feet of the trunk and/or in the root zone area which extends from the trunk to ten (10) feet outside of the dripline. This may be by mechanical actions or chemical applications or other activities, which results in vertical cracks, torn bark, wounded or damaged roots, excessive soil compaction, excessive soil or mulch covering surface roots, or root restriction.**
- (12) Other activities which cause physical and biological damage to a tree or palm.**

This is a sample photograph – please use a photo from the actual property where the driveway is being installed in relationship to swale trees.

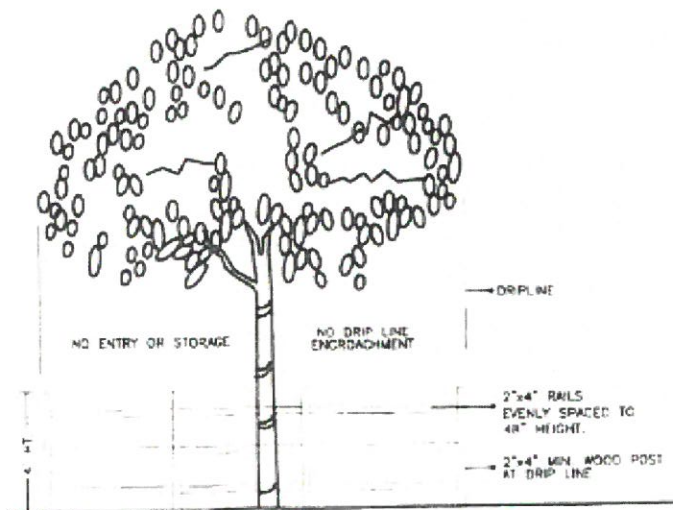


Show distance from tree to proposed driveway.

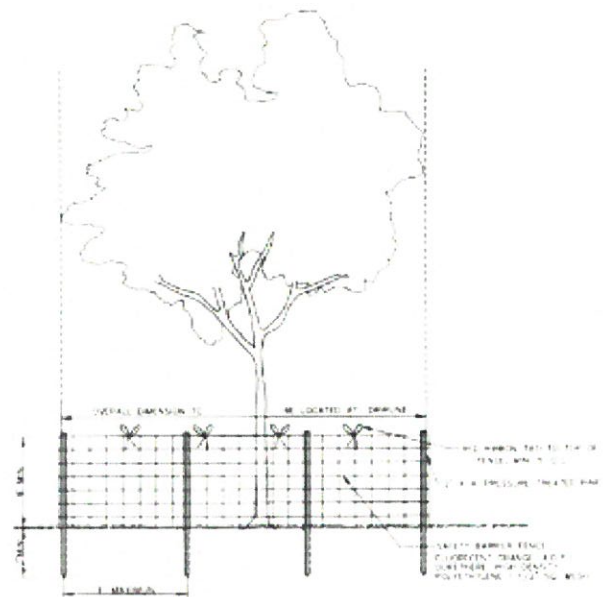
Show trees on all sides of the proposed driveway. Include those trees on adjacent properties within 25'

Show root barrier placement along driveway apron

Wood Rail

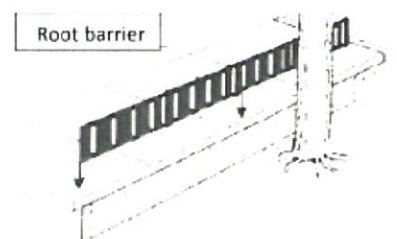


Orange Mesh



1. Panels of 0.085" thick polypropylene
2. Zipper joining system
3. Rounded edges
4. 24" depth
5. Anti-lift pads

*Contact the Landscape Division if you propose an equivalent root barrier option.



- o **Tree Protection Fences:** These structures are intended to protect the roots, trunks and canopies of trees from mechanical injury and soil compaction. Temporary fences (barricades) are erected around the tree or palm to form a 'tree protection zone' with the purpose of excluding equipment, materials, personnel, and vehicles from the area surrounding the tree. **Refer to Drawing A.**
- o **Root Barriers:** The City may require the installation of root barriers along the edges of hardscapes (patios, driveways, walkways, sidewalks) and certain other installations (drain fields, septic tanks) to prevent damage to the structures caused by the expansion of tree roots by existing and future trees. Generally, trees (both existing and new) growing within 10 feet of hardscape require root barriers. The City also requires them along the edges of driveway aprons constructed in the city swale. **Refer to Drawing B.**
- o **Root Pruning:** Tree roots may have to be pruned if they conflict with construction activities because they are growing on, under, or adjacent to the work site. Root pruning may seriously damage a tree if the wrong tools are used, the cuts are not clean and straight, the cut roots are too close to the tree trunk, the number of cut roots is high, or the diameter(s) of the cut root(s) are large. For these reasons, the Division requires that an ISA Certified Arborist perform all necessary root pruning.
- o **ISA Certified Arborist Tree Assessment:** If the Division determines that a tree's health and stability is potentially affected by the construction activities, a detailed assessment of the impacts of the proposed work on the tree **may be requested by the Division.** The written assessment must be performed and prepared by an ISA Certified Arborist and shall address the condition of the existing tree, any required root pruning, and recommendations for tree protection. Typically, a medium to large sized tree growing within 10-15 feet of the construction work is a candidate for an assessment.
- o **Tree Removal, Relocation and Trimming Permits:** If construction work requires that a tree or palm on the property be removed, relocated, or trimmed, the property owner must obtain an approved Permit from the Division before any work can begin. Permit application forms are available online at www.plantation.org or in person from the Landscape Division.