

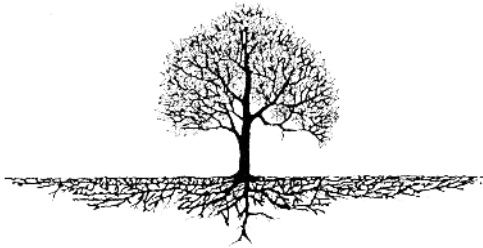
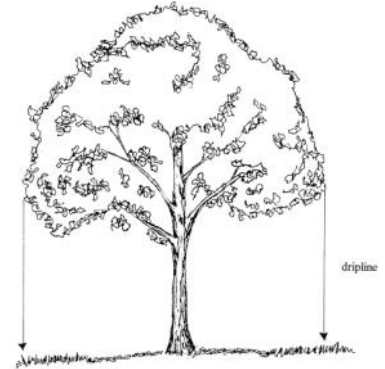


Tree Protection During Construction

The City of Fredericksburg has an active Urban Forestry program that includes hundreds of street trees and many more trees in parks and other City lands. Construction within the City is inevitable and working around existing trees or under their canopies can be harmful to the trees. There are ways, however, to continue with construction projects while protecting these important City resources.

Tree protection has three primary functions:

1. to keep foliage/branching structure clear from contact by equipment, materials & activity,
2. To preserve roots and soil conditions in a non-compacted state,
3. To identify the **TPZ**, where *no activity or disturbance shall be permitted*.



Trees have an extensive root system that is required to maintain the health of the tree. The majority of roots are located within the top 12 inches of soil and extend **past** the dripline of the tree. However, the main area of concern is within the dripline of the tree's canopy. The dripline can be determined by dropping an imaginary line from the outermost leaves to the ground, as seen in the figure above. This area makes a circle around the tree and is considered the **protected root zone**. Any work in this area should be done with extreme care, and a **tree protection zone (TPZ)** shall be set up to disallow compaction and disturbance of this root zone area.

The **TPZ** is a restricted area around the base of the tree with a radius of 10 times the diameter of the tree's trunk, or 10 feet, whichever is greater, **enclosed by fencing**.

No storage of material, topsoil, vehicles or equipment shall be permitted within the TPZ.

Fencing shall be erected prior to start of project and remain in place until final inspection of the project.

Fencing can be as simple as:



or as complex as:



Tree Protection Zone signage (available from PW staff) shall be posted along each side of TPZ fence, so as to be seen from all directions. Signage shall remain in place as long as the TPZ is in place.

Infringement of the TPZ will result in a work stoppage until violations are corrected.