TO: Qualified Professionals, Certified Arborists, Certified Hazard Tree Assessors, Landowners and Developers
FROM: Development Services
DATE: March 28, 2022

RE: Tree Protection Guidelines

## Tree Protection Barriers

Prior to any construction, demolition, excavation, or installation of works and services occurring on a parcel a tree protection barrier (see specifications below) shall be installed.

Tree fencing must be installed to protect trees from disruption, injury or damage. Damage may occur to the tree trunks, branches, and roots.

## How to Measure Diameter at Breast Height

Diameter at Breast Height (DBH) is the standard for measuring trees. DBH refers to the tree diameter measured at 1.37 m ( 4.5 feet) above the ground.

## Measuring Trees on Level Ground

DBH can be measured using a calibrated diameter tape, or d-tape, that displays the diameter measurement when wrapped around the circumference of a tree. If you do not have a d-tape you can find the diameter using a measuring tape, a string, a thumbtack, and a calculator.

1. With the measuring tape, measure 1.37 m up the trunk of the tree from the ground.
2. Mark the height on the tree with the thumbtack.
3. Wrap the string around the tree at the 1.37 m mark. Make sure it is straight and tight.
4. Measure the length of the string to get the circumference.
5. Convert the circumference measurement to diameter by dividing the circumference by pi (3.14).


Measuring Trees on an Angle
When the trunk is at an angle, the trunk is measured at a right angle to the trunk 1.37 m along the centre of the trunk axis. Repeat steps 2-5 above.


## Measuring Trees on a Slope

When the trunk is at a slope, the trunk is measured 1.37 m up the trunk of the tree on the uphill side of the tree. Repeat steps 2-5 above.


## Measuring Trees with a Split Trunk

When the trunk branches or splits less than 1.37 m from the ground, measure the smallest circumference below the lowest branch. If the tree has a branch or a bump at 1.37 m , it is better to measure the diameter slightly below or above the branch/bump. Repeat steps 2-5 above.

1.37


## Measuring Multi-stemmed Trees

Measure the diameter of the trunk 30 cm up the trunk of the tree from the ground. Note on your survey or plan that the tree is multi-stemmed. Repeat steps 2-5 above.

Finding the Diameter from the Circumference


## TREE PROTECTION ZONE NO ENTRY



NO GRADE CHANGES, DUMPING, OR FILLING


NO STORAGE OF MATERIALS OR WASTE


NO DIGGING OR EXCAVATING

TREE PROTECTION BARRIER MUST REMAIN IN PLACE FOR THE DURATION OF CONSTRUCTION

