

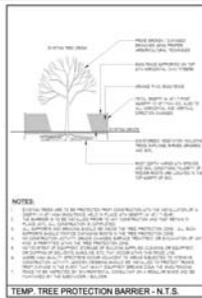
# PROTECTING TREES DURING CONSTRUCTION

DBH v Dripline

## Determining the Critical Root Zone to be protected during development

- Is using the measure of Diameter at Breast Height (DBH) appropriate?
  - More Standardized
  - More Difficult to Modify
  - Recommended by International Society of Arboriculture (ISA)
- Why is a Dripline measurement based protection inadequate?
  - Excurrent tree structures (Coniferous) prone to pruning which modifies drip line.
  - Better suited for Decurrent Tree structures (Deciduous) with Asymmetric Canopies
  - Out of date guideline with little consistency for tree protection

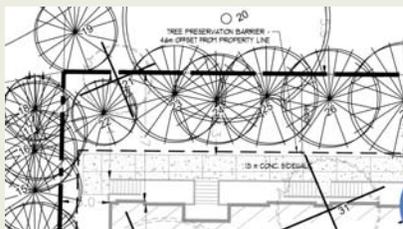
## Page 12 of Tree Preservation Report Using Decurrent Structure



## Examples At 536-542 Windermere Rd

- Tree Preservation Report Tree #22 and Tree # 23
  - Tree #22 DBH = 39 cm
  - Tree # 23 DBH = 40 cm
- Hedge # 3 - Low limb pruning (slide 7)

## Visual Representation of Dripline from Tree Preservation Report



## View from the ground



### Hedge # 3



Recommendation: Updating Tree Protection Methodology to Favour DBH based Critical Root Zones, Especially when dealing with Excurrent Tree Structures.

Dripline should be considered an antiquated guideline.