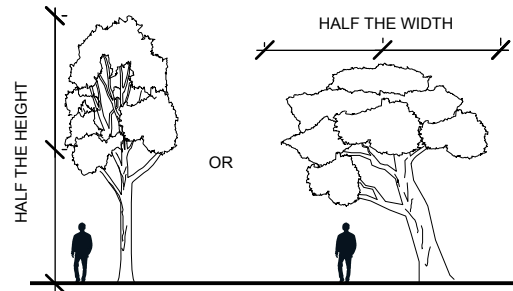
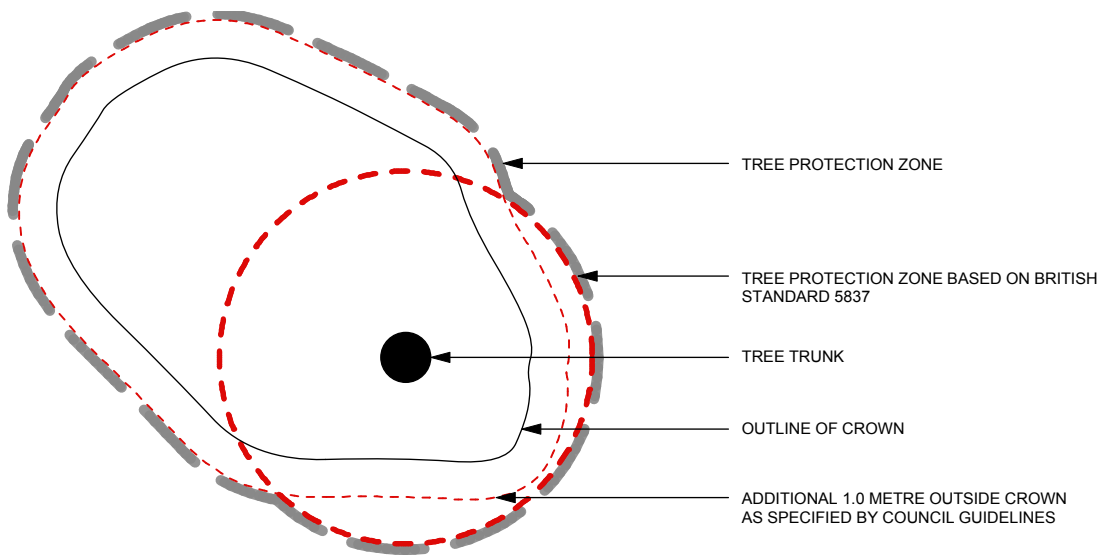


CANOPY CALCULATION = VERTICAL OUTLINE OF CROWN PLUS 1.0 METRE



RADIUS CALCULATION = HALF THE HEIGHT OR HALF THE WIDTH (WHICH EVER IS GREATER).



**NOTES:**

The outer extent of the areas marked in red (above) indicates the Tree Protection Zone required during construction. The TPZ based on the British Standard is a function of the dimensions of the tree but does not take into account the typical non-symmetrical nature of many of the River Red Gums throughout the City of Whittlesea. The additional 1 metre outside the crown *attempts* to provide for this situation.

The TPZ for a tree intended to be retained within a proposed development is an area which is a no go zone. For the City of Whittlesea, the TPZ is a shape defined by a circle, whose centre point is the centre of the tree trunk at ground level, and whose radius is equal to half the height of the tree or half the crown width (which ever is greater) plus the tree canopy plus one metre.

This TPZ can only be varied if it can be proven beyond doubt that works proposed within the zone will not damage any part of the tree within this zone, including canopy, branches, trunk and roots. However, any encroachment beneath the crown should be avoided.

Any works within a TPZ will require written approval from Parks and Open Space and these works will be required to be supervised by a suitably qualified and experienced *consulting Arborist*.

Council's tree protection zone guideline shall supersede AS4970 2009 and/or any other tree protection zone standard/calculation. In this regard, Council's guideline considers both the on-going health of the tree and has been developed to protect people, infrastructure and property (ie the shape considers the impact of falling limbs and delineates a pedestrian exclusion zone) whereas AS4970 2009 only considers the impact of works on the on-going health of the tree.