


WHY TREE PROTECTION IS NEEDED

- 1) Soil compaction kills roots-** caused by plant movement and storage of materials within protected areas.
- 2) Trenching severs roots-** many small roots grow within the top 600mm of soil. Even the removal of the top 200mm can cause damage.
- 3) Soil pollution kills roots-** Dripping fuel storage or cement washings can contaminate the soil resulting in root death.
- 4) Raising & lowering levels kills roots-** the soil used to increase levels can compact the underlying soil (see point 1). Lowering levels will remove roots causing damage to the tree.
- 5) Bark and branch damage-** bark removal and branch damage can allow disease and fungi into the tree.

The impact of any of the above can take years to show- trees can have huge reserves of food and water.


 **CONSTRUCTION EXCLUSION ZONE**

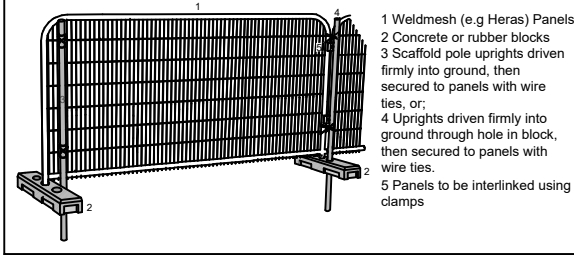
Root protection areas (RPA) of retained trees within which all construction activity is restricted.







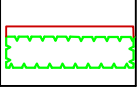
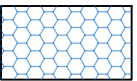
All trees that are being retained on site must be protected by barriers and/or ground protection before any materials or machinery are brought onto the site, and before any demolition, development or stripping of soil commences. Where all activity can be excluded from the RPA, vertical barriers must be erected to create a construction exclusion zone. Where, due to site constraints, construction activity cannot be fully or permanently excluded in this manner from all or part of a tree's RPA, appropriate ground protection can be installed.


TREE PROTECTION FENCING & EXCLUSION ZONE

All Tree Protection Fence (TPF) shall be installed prior to any plant activity on site whatsoever, including demolition, utility installation, groundworks, and soil stripping. Once erected, all TPF will be regarded as sacrosanct, and will not be removed or altered without prior recommendation by the project arboriculturist and approval of the local planning authority.

 **Tree Protection Fence** shall comprise of Heras type panels on 'boots', well braced by attachment to scaffold pole uprights driven firmly into the ground. Once the exclusion zone has been protected by barriers and/or ground protection, construction work can commence. All weather notices may be erected on the barriers.



-  **A CATEGORY TREE**
 -  **B CATEGORY TREE**
 -  **C CATEGORY TREE**
 -  **U CATEGORY TREE**
-  **ROOT PROTECTION AREA (RPA) FOR RETAINED TREES**
 -  **CANOPY OF RETAINED TREES**
 -  **HEDGE CANOPY TO BE REDUCED**
Hedge to be trimmed back from the red dashed line to the green line as indicated.
 -  **NO-DIG SURFACE**
Sensitive surface construction to be used when extending patio area, as per Method Statement.

 The original of this drawing was produced in colour- a monochrome copy should not be relied upon.

Rev	Date	Details	Drawn


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date: 14.04.2021

scale: 1:200@A4

dwg no: PRI23265-03

drawn: SN checked: TRG