

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.

LEGEND

TREE PROTECTION FENCING & EXCLUSION ZONE

All fencing 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. The TPF shall comprise of interlocking weld-mesh panels (e.g. Heras), well braced by attachment to scaffold pole uprights driven firmly into the ground. Should any alternative method of barrier construction be proposed, consultation with the project arboriculturist will be obtained to clarify the efficacy of the barrier construction be proposed, consultation with the project arboriculturist will be obtained to clarify the efficacy of the revised design prior to informing the local planning authority and obtaining their consent. 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.

1: Weldmesh (e.g Heras) Panels. 2: Concrete or rubber ground blocks
3: Scaffold pole uprights, driven firmly into ground, then secured to panel
4: Uprights driven into ground through fixture in ground block, then secured to panel. 5: Panels to be interlinked using scaffold clamps

How to use this plan

This plan follows the recommendations of BS5837:2012 and provides sufficient information for designers to interpret the constraints presented by the trees on and around the site. If there are any questions about how to correctly interpret the details shown, then ACD should be contacted on 01483425714 or mail@acdarb.co.uk

This plan is for design use. Before making a planning application, ACD should assess the impact of the layout and draft a full arboricultural impact assessment (AIA)

Designers should seek to retain all A & B category trees, and work within the constraints posed by them, as the LPA will expect their retention. C category trees should not be a material constraint trees and may be removed to facilitate development. However, their retention should be sought where practical, but the scheme need not be designed around them.

LEGEND

A CATEGORY TREE
Trees of high quality with an estimated life expectancy of at least 40 years

B CATEGORY TREE
Trees of moderate quality with an estimated remaining life expectancy of at least 20 years

C CATEGORY TREE
Trees of low quality with an estimated remaining life expectancy of at least 10 years, or young trees with a stem diameter below 150 mm

OVERGROWN
Area contains multiple self-set species in unaccesable scrubland

ROOT PROTECTION AREA (RPA) FOR A & B CATEGORY TREES

RPA FOR C CATEGORY TREES

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

0 5 10 15 20 25m

Rev	Date	Details	Drawn

ACD ENVIRONMENTAL

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scheme: Land west of Kingfisher Grove, Three Mile Cross
client: Sovereign Network Group (SNG).
drawing: Tree Protection Plan
date: 02 July 2024
scale: 1:500@A1 (South)
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drawn: AJB checked: HEP