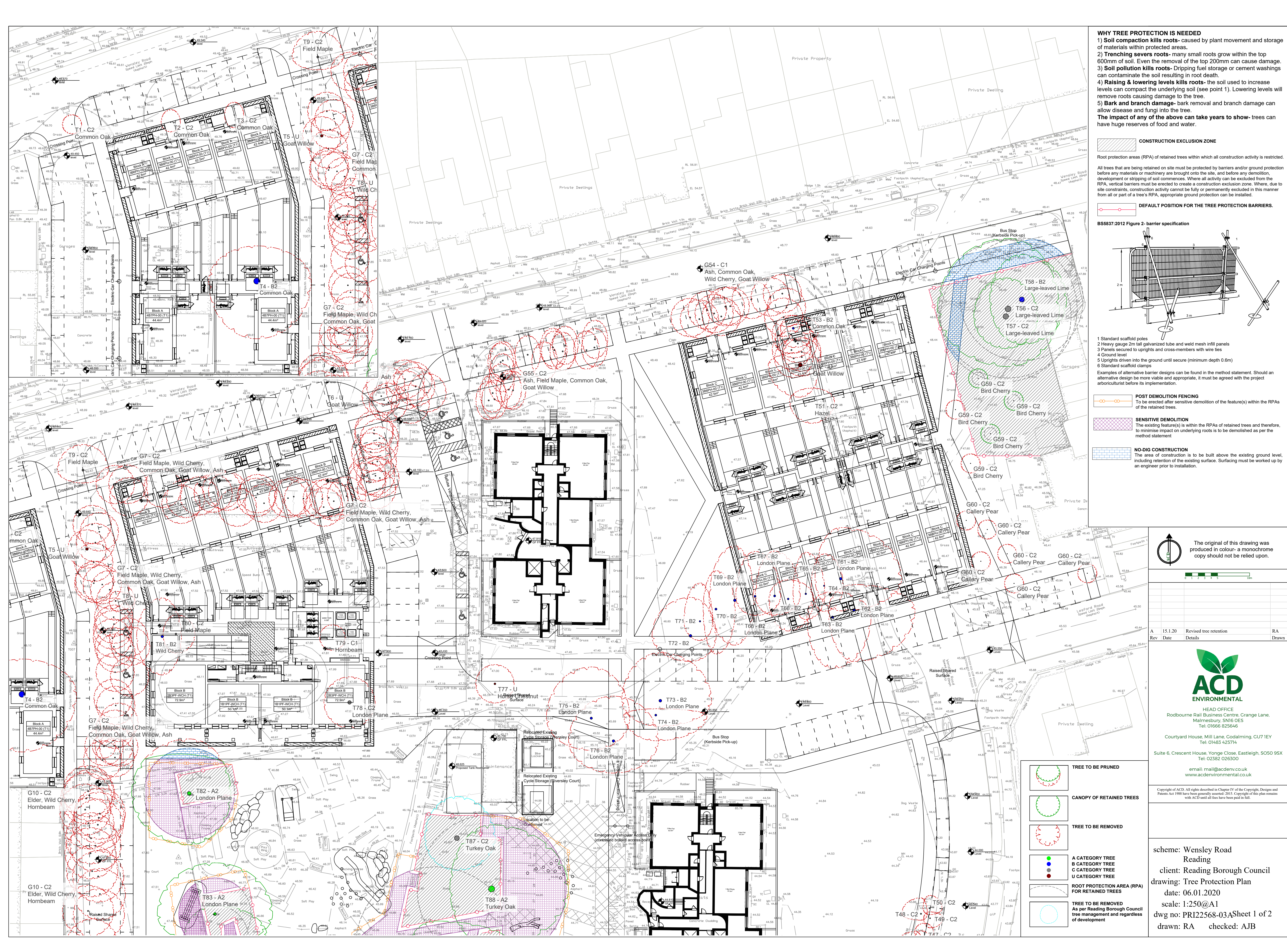




WHY TREE PROTECTION IS NEEDED

- 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.

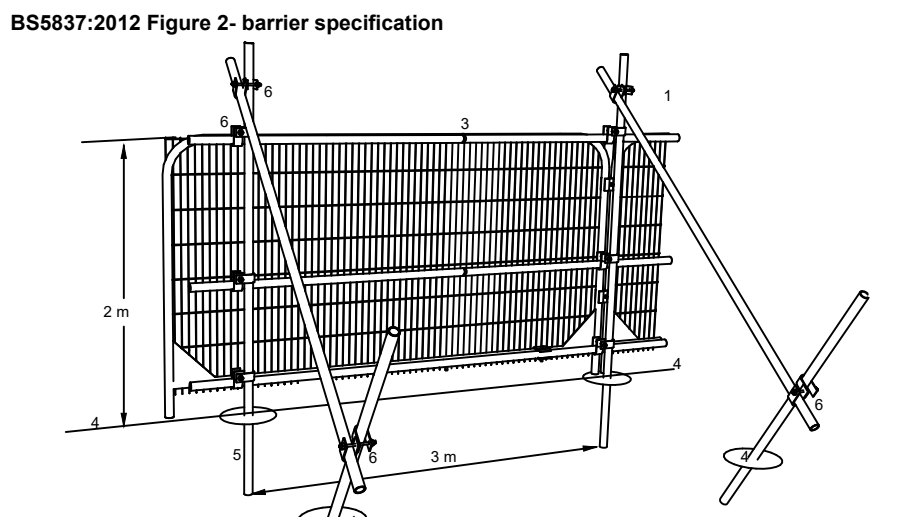
The impact of any of the above can take years to show- trees can have huge reserves of food and water.

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.

DEFAULT POSITION FOR THE TREE PROTECTION BARRIERS.



1 Standard scaffold poles
2 Heavy gauge 2m tall galvanized tube and weld mesh infill panels
3 Panels secured to uprights and cross-members with wire ties
4 Ground level
5 Uprights driven into the ground until secure (minimum depth 0.6m)
6 Standard scaffold clamps

Examples of alternative barrier designs can be found in the method statement. Should an alternative design be more viable and appropriate, it must be agreed with the project arboriculturist before its implementation.

POST DEMOLITION FENCING
To be erected after sensitive demolition of the feature(s) within the RPAs of the retained trees.

SENSITIVE DEMOLITION
The existing feature(s) is within the RPAs of retained trees and therefore, to minimise impact on underlying roots is to be demolished as per the method statement

NO-DIG CONSTRUCTION
The area of construction is to be built above the existing ground level, including retention of the existing surface. Surfacing must be worked up by an engineer prior to installation.

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

0 1 2 3 4 5 10m

A	15.1.20	Revised tree retention	RA
Rev	Date	Details	Drawn



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- TREE TO BE PRUNED**
- CANOPY OF RETAINED TREES**
- TREE TO BE REMOVED**
- A CATEGORY TREE**
- B CATEGORY TREE**
- C CATEGORY TREE**
- U CATEGORY TREE**
- ROOT PROTECTION AREA (RPA) FOR RETAINED TREES**
- TREE TO BE REMOVED**
As per Reading Borough Council tree management and regardless of development

scheme: Wensley Road
Reading

client: Reading Borough Council

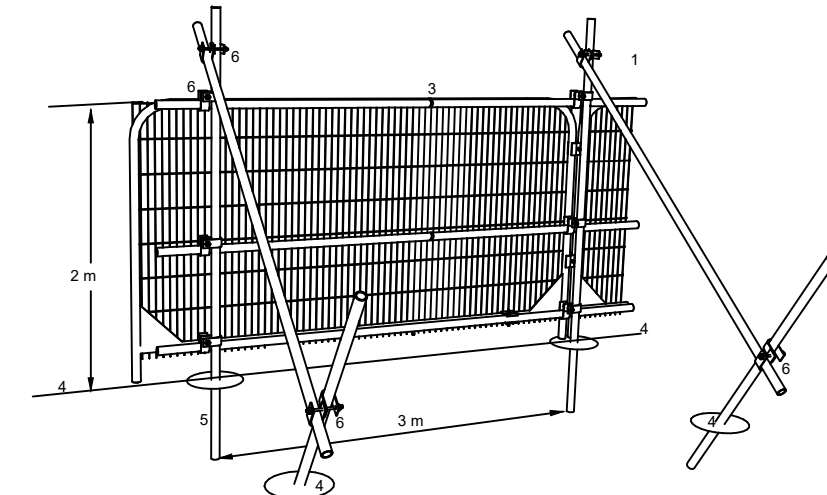
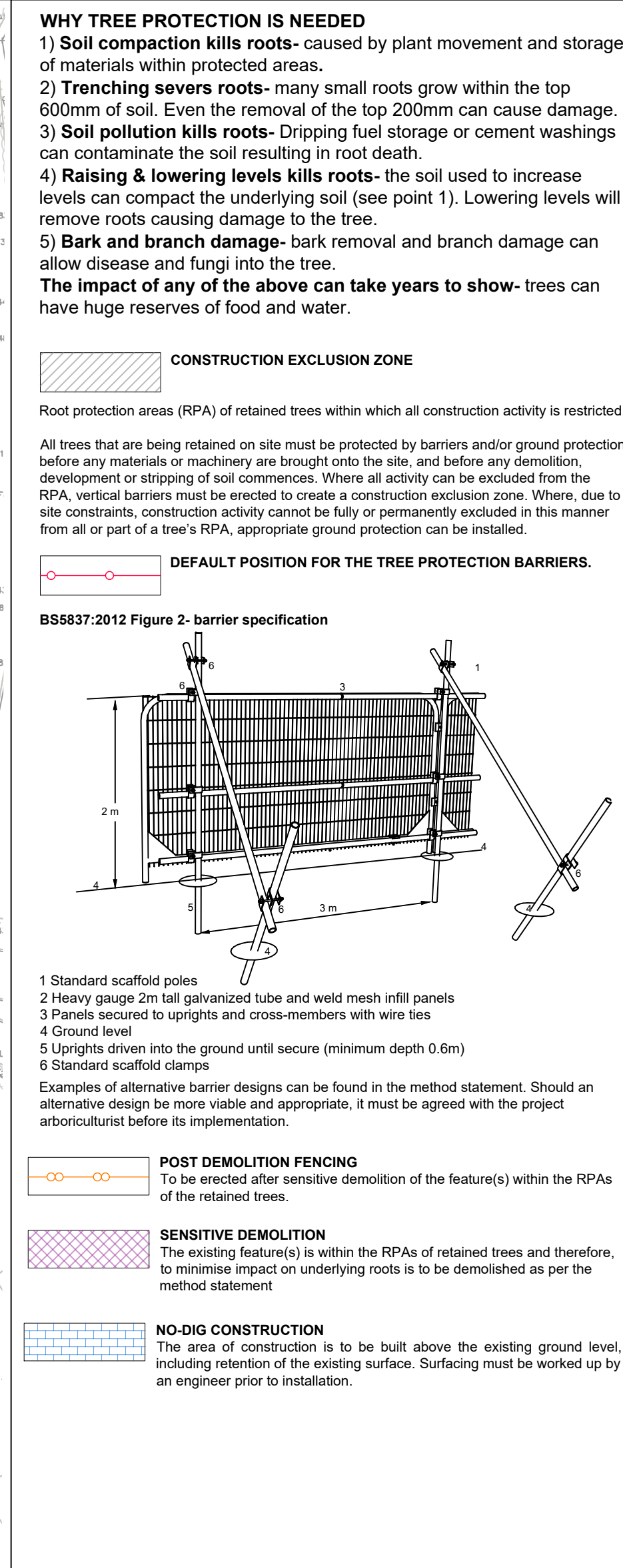
drawing: Tree Protection Plan

date: 06.01.2020

scale: 1:250@A1

dwg no: PRI22568-03ASheet 1 of 2

drawn: RA checked: AJB



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scheme: Wensley Road
 Reading
 client: Reading Borough Council
 drawing: Tree Protection Plan
 date: 13.01.2020
 scale: 1:250@A1
 dwg no: PRI22568-03/Sheet 2 of 2
 drawn: RA checked: AIB