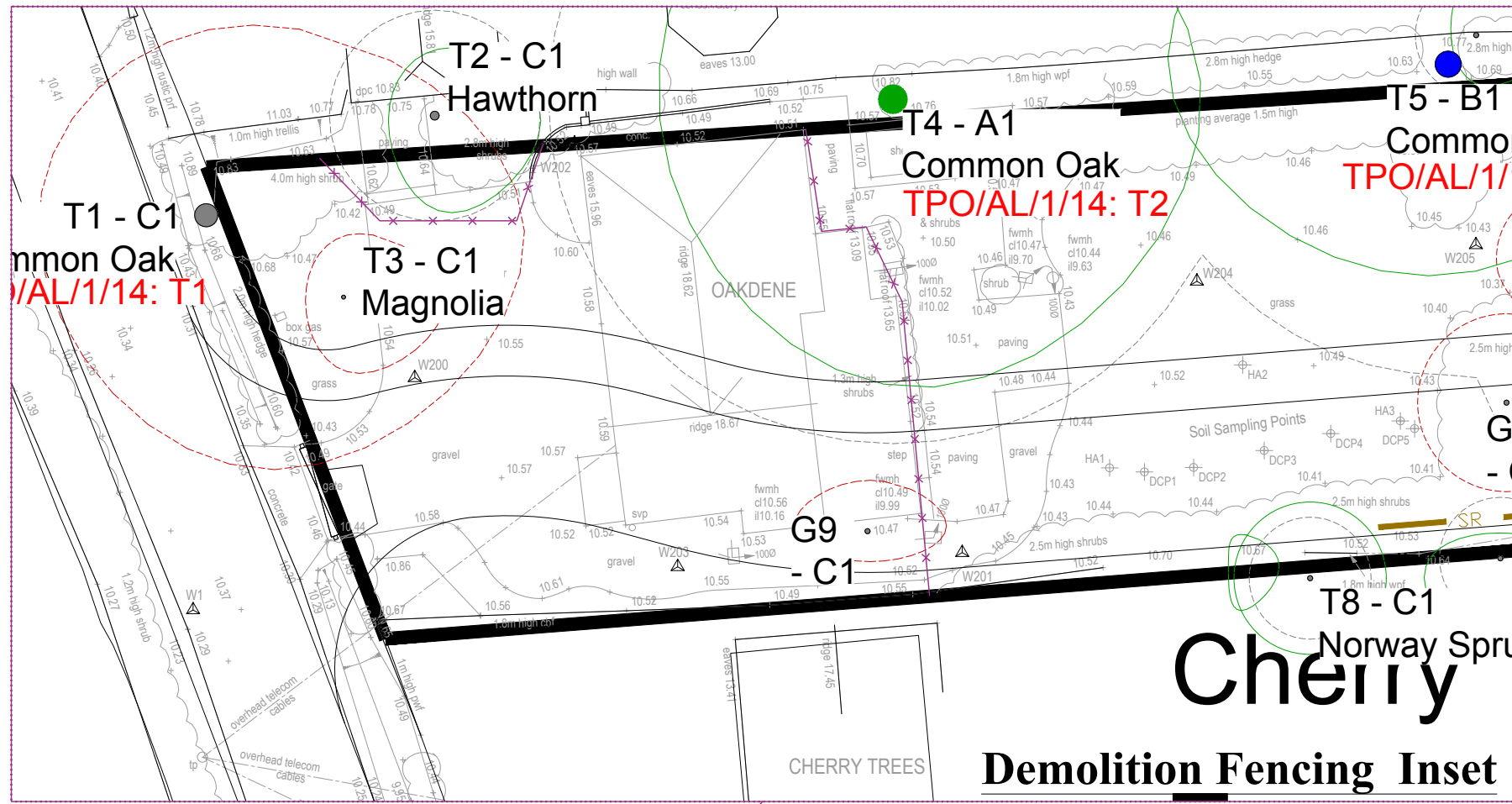
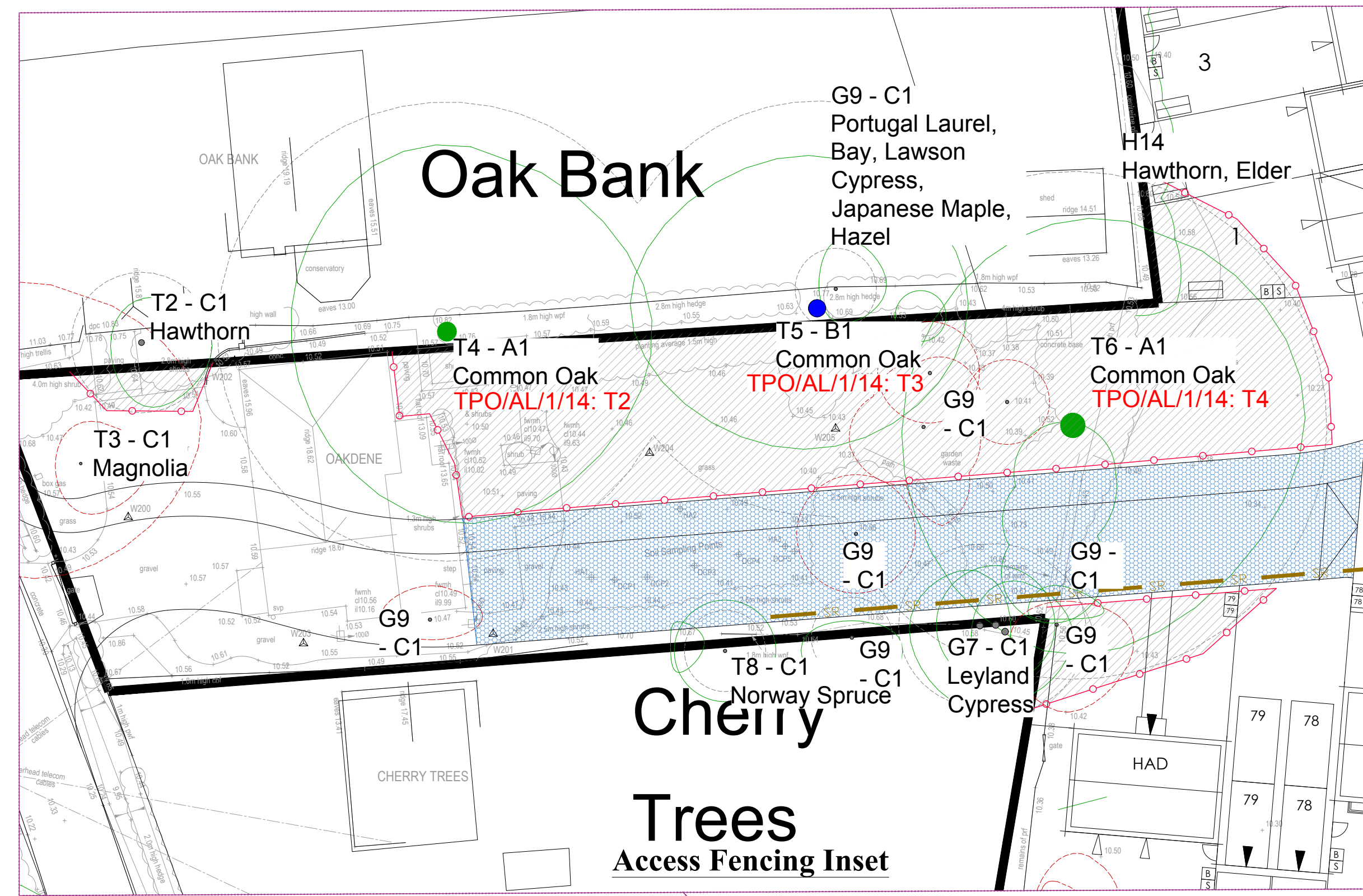
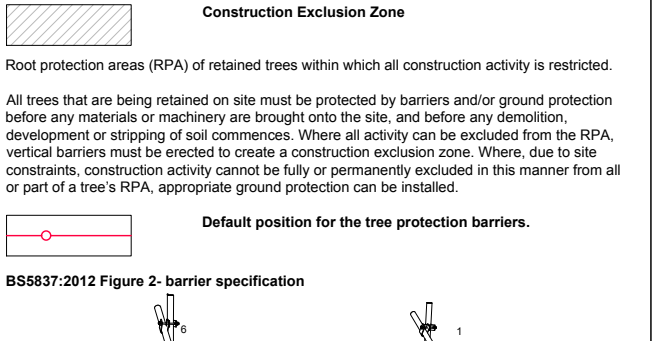




WHY TREE PROTECTION IS NEEDED

- 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.

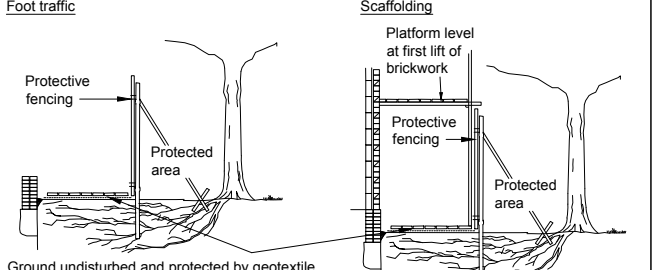
The impact of any of the above can take years to show - trees can have huge reserves of food and water.



Standard scaffold poles
2 Heavy gauge 2m tall galvanneal 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.

Ground Protection
Where the set back of the tree protection barrier would expose unmade ground to construction damage, new temporary ground protection should be installed as part of the implementation of physical tree protection measures prior to work starting on site.



For pedestrian movements only, a single thickness of scaffold boards should be placed either on top of a driven scaffold frame, so as to form a suspended walkway, or on top of a compression-resistant layer (e.g. 100 mm depth of woodchips), laid onto a geotextile.

For pedestrian operated plant up to a gross weight of 2 t, proprietary, inter-linked ground protection boards should be placed on top of a compression-resistant layer (e.g. 150 mm depth of woodchips), laid onto a geotextile.

For wheeled or tracked construction traffic exceeding 2 t gross weight, an alternative system (e.g. pre-cast reinforced concrete slabs) should be employed to an engineering specification designed in conjunction with arboricultural advice to accommodate the likely loading to which it will be subjected.

TREE TO BE REMOVED

- A CATEGORY TREE
- C CATEGORY TREE
- U CATEGORY TREE

ROOT PROTECTION AREA (RPA) FOR RETAINED TREES

- NO-DIG SURFACE
- Cellular confinement system (CCS) to be used to create this area of hard surface, above the existing ground level. Topsoil to be retained. Depth of CCS to be 50-75mm for pedestrian surfaces and 100-200 for vehicular surfaces. Surface to be pinned to approved details and specifications. To be installed under arboricultural supervision. All specifications subject to engineering design.

Cells to be filled with 20-40mm clean graded angular stone to manufacturers details and specifications.

TreeTex T300 geotextile or similar laid over CellWeb

Top soil to BS3882:2007

Depressions and soft spots in formation to be filled with sharp sand to levels required

CCS/Cellular confinement system (Geosynthetic Cellweb or similar approved)

TreeTex T300 non-woven geotextile or similar approved laid over formation

HEDGE PROTECTION FENCING
To comprise 2.2m solid-mesh gate fencing

DEMOLITION PROTECTION FENCING
To comprise weld-mesh panels on boots, secured with road pins

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

0 5 10 15 20 25m

B 06.02.17 No-dig extended & demo protection added MW
A 02.11.16 Hedge protection fencing added MW
Rev Date Details

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scheme: Land to east of Hook Lane
Westergate, West Sussex

client: Barratt Homes

drawing: Tree Protection Plan
date: May 2016

scale: 1:500@A1 (inset 1:250)

dwg no: BDWS20440-03B

drawn: MW checked: AJB

