

Tree protection barrier shown at extents of existing border and is intended to prevent use of lawn area for materials storage. Where this is not expected to be required as part of construction design method statements, it may not be required.

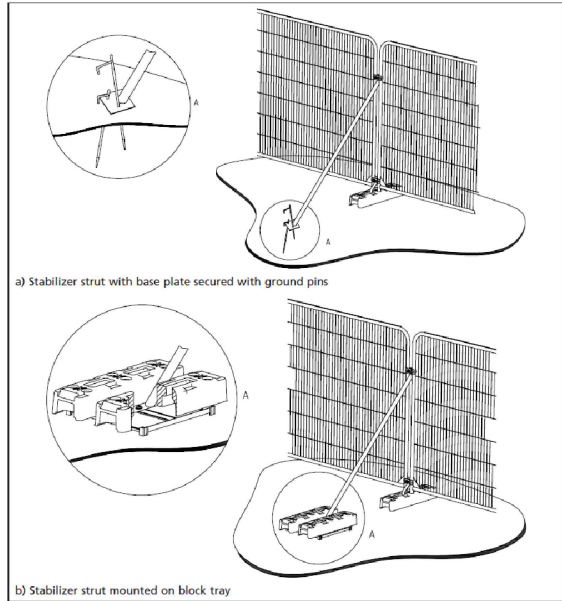
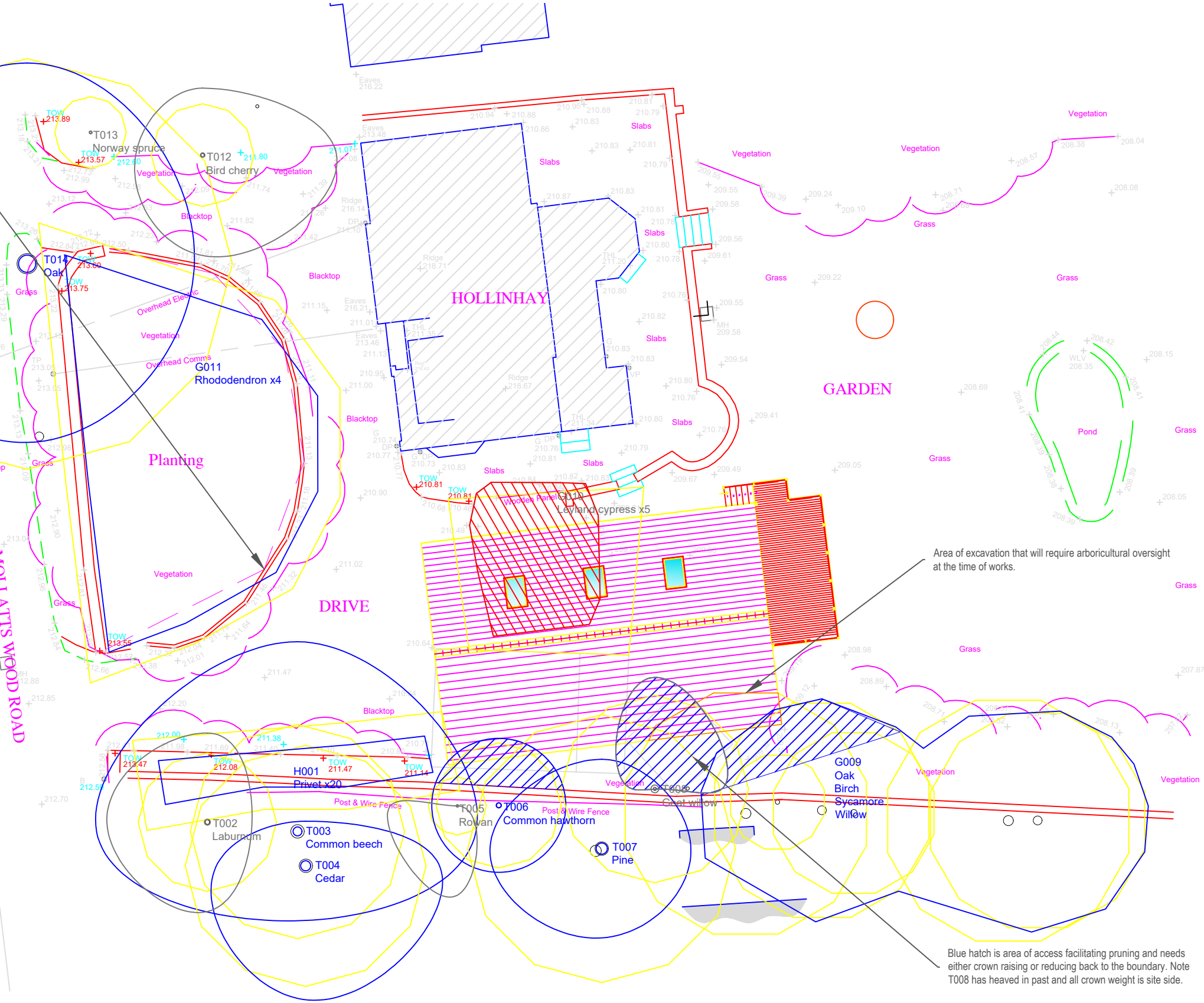


Figure 3 from BS5837:2012 Trees in relation to Demolition, Design & Construction prescribes Heras style weld mesh panels mounted on rubber blocks, with back stays as appropriate.



TREE PROTECTION SPECIFICATIONS

Tree protection measures for retained trees will be integral to redevelopment of the site and have to be accounted for in all construction activity from start to finish of the development.

Tree protection for retained trees is required because stripping of soil levels, making 'up' of soil levels, foundations or new building in very close proximity to retained trees or hedges can cause irreversible damage, render them dangerous or even kill them as a result of damage to roots of all diameters.

Tree protection measures entail the use of existing boundary fencing (including a stone wall and level changes) which should be fit for the purpose of excluding construction activity, including management of delivery vehicles, and appropriate to the degree and proximity of work taking place around the retained tree(s).

Additional barriers can be erected along the lines shown to exclude the trees from any construction space; to mark the Root Protection Area (RPA) extents and provide a robust visible deterrent to use of the space around the trees for storage space etc. The root protection fencing is shown to exclude the permanent construction exclusion zone but is not required for development. Instead it is shown to exclude space for materials storage and if construction method statements indicate the space is not required the barriers needn't be installed.

The RPA illustrated on the plans is based on the notional area prescribed by BS5837: 2012 – Trees in Relation to Design, Demolition and Construction.

Tree root protection should be erected in accordance with figure 3 on page 21 of BS 5837 (2012) – Trees in Relation to Design, Demolition and Construction (see images right for specifications and style) along the purple line in plan above with the distances shown as references from fixed points. This is proportional to the scale of the development as the biggest risk activity will be the installation of services within the existing drive and resurfacing of the existing road. At the time of writing we have no details of construction phases.

Where there is a possibility that level changes might spill through the panels a suitable Terram or similar should be used to retain overspill.

Anything on the tree side of the barrier is in a total construction exclusion zone (CEZ = "area based on the RPA from which construction activity and access is prohibited for the duration of a project").

The purpose of the barrier is to prevent all construction related activity trespassing outside the area of unprotected ground and should be marked with signs that say:

"CONSTRUCTION EXCLUSION ZONE - NO ACCESS"

The CEZ is sacrosanct and should not be used in any work phases. There is sufficient space on site to accommodate storage and welfare provision for workers without coming into proximity of the tree protection barrier.

Any materials whose accidental spillage would cause damage to a tree should be stored and handled well away from the outer edge of its RPA.

Signs can also include contact information for principle contractor or project arboriculturalist for advice if fencing is damaged, accidental spillages, roots are exposed or there are minor layout amendments.

Additional controls will entail staff inductions and pre start debriefing to ensure all contractors are aware of the Construction Exclusion Zone.

Fires should be not be lit in a position where heat could affect foliage or branches. The potential size of a fire and the wind direction should be taken into account when determining its location, and it should be attended at all times until safe enough to leave.

LEGEND

For tree constraints only, see topographical survey of layouts for other feature identification.

Tree shadow, indicative of shade cast by tree from sun to pm. Based on tree height only, takes no account of season or species, a crown width or density.

Purple barrier indicates location of the tree protection barrier. Shown approximately at site boundary or incorporating existing fence lines.

Stem location, not to scale.

Notional root protection area extents based on BS5837 Prescriptions. In fact may be asymmetric due to site conditions see leader notes.

Crown extents measured at four cardinal points. Colours denote the retention categories in BS5837:2012
A category is green
B category is blue
C category is purple
U category is dark red.

Blue hatch indicates where access pruning will be required.

Tree survey data super imposed on site plans produced by other parties. Some tree locations have been plotted using hand held GPS and their positions should be checked on site where they might impose a constraint, especially where levels are likely to change.

Tree survey data collected and presented in accordance with BS5837: 2012 Trees in relation to design, demolition & construction - Recommendations - section 4, feasibility: Surveys and preliminary constraints.

Stem locations are not to scale.

RPA's are illustrated as notional areas based on stem diameter alone. At the preliminary survey stage no attempt is made to justify RPA off set but it is possible that hard paved surfaces or built structures might limit potential for root extension.

All hedges and groups are provisionally shown with a 1m buffer zone around the canopy spread as a notional RPA to illustrate constraints. Some modification should be expected where works to excavate or change levels are close to this buffer zone to determine tree protection.

This drawing is to be read in conjunction with all other relevant drawings/documentation.
If in doubt ask.
Critical dimensions and heights must be checked on site prior to construction.

REVISIONS

Rob Keyzor Tree Surgeons Arboricultural Contractors & Consultants Ltd

Lodge Lane Farm Buildings
Lodge Lane,
Woodseaves
Nr Stafford
ST20 0NZ

01785 284088

nik@robkeyzor.co.uk
www.robkeyzor.co.uk

CLIENT
MR D SAVAGE

SITE
HOLLINHAY

MOLLATTS WOOD ROAD, LEEK, ST13 7AL

TITLE
TREE REMOVAL & TREE PROTECTION
PLAN

SCALE
1:200 @ A3

DATE
06/02/2026

DRAWN BY
NP

REVISION
-

DRAWING NUMBER
J6647 TRP & TPP