

NOTES
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General
This illustrative plan is intended to inform the location of protective barriers, other relevant physical protection and highlight precautionary areas for retained trees prior to site enablement and excavation.

Excavation and Installation has potential to have an adverse impact on trees located within the site (T9 - T10). Any discrepancies must be reported to tree:fabrik immediately.

Site Boundary
Indicative site boundary

- Tree Constraints
U Category tree: Trees in such a condition that they cannot realistically be retained as living trees...
A Category tree: Trees of high quality and value
Crown spread

Statutory Designations (trees)
The site lies within the Bloomsbury Conservation Area. As such, six weeks prior notice must be given to Camden Council in writing prior to carrying out tree works.

Arboricultural Method Statement
The primary purpose of this plan is to aid the preservation of retained trees through setting out the appropriate working practices, demolition techniques and tree protection measures that are to be adopted when excavation works are undertaken in the proximity of trees.

This plan should be incorporated into subsequent drawings and method statements used for design purposes or issued for use on site, to ensure that all parties are fully aware of the areas in which access and works may and may not take place.

Site Set-Up
Responsibilities of key personnel & site induction - Equally as important as the physical measures of tree protection are the links of communication.

Site Personnel - Information on the required protection measures will be provided at the site induction to personnel. All damage to protective barriers or accidental damage to trees must be reported to the Site Manager immediately.

Project Arboriculturist - It is the responsibility of the Project Arboriculturist to liaise with the Client and Council representative to ensure appropriate tree protection and precautionary measures are designed and implemented prior to commencement of works.

Site Manager - It is the responsibility of the Site Manager to ensure that details of this Arboricultural Method Statement is implemented during the complete process and understood by all site personnel and contractors prior to commencement of works.

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Tree Protection Barriers Type 2 (temporary). Barriers to be installed prior to any works commencing and dismantled only immediately prior to reinstatement of excavate soil and re-laid hard surfacing.

- No-Dig Cellular Confinement system - Where areas of new hard surfacing are required within the RPA of retained trees they will be constructed using a suitable 'No-Dig' Construction method.

The excavation needed for the placement of kerbs, edgings and their associated foundations and haunching can damage tree roots. Within the RPA, this should be avoided either by the use of alternative methods of edge support, or by not using supports at all.

NOTE: For example, where kerbing is required for light structures, such as footpaths, above-ground use of sleepers (pinned in place where required), gableons or other non-invasive ground contact structures, including the use of proprietary products, can provide appropriate solutions.

Installation
Site Preparation: When constructing an area of new hard standing, it should be constructed working forward from the surface as it is constructed (known as 'rolling out').

The ground should not be skimmed to establish the new hard surface at the former ground level. Loose organic matter and/or turf should be removed carefully using hand tools. The new surface should then be established above the soil.

A layer of sharp sand to a depth of approximately 30mm should be laid over the entire area and the delivery vehicle should not back onto the dug-off area. This will enable the roots to expand with minimum impact on the surface above.

Construction
The road or drive can be divided into three basic layers: the geotextile; the sub-base, comprising a 2 or 3-dimensional cellular confinement system; and the finished surface.

In order to protect the construction from contamination of the sub-base it will be necessary to lay down a geotextile. This should be laid directly upon the sharp sand and should have the following properties:

Strength: to resist puncture by tree roots and granular sub-base material.
Porosity: to allow adequate passage of water and oxygen across the geotextile. This should not be assumed but should be confirmed with the manufacturer.

Durability: once installed the geotextile cannot easily be replaced and therefore needs to maintain these properties in the long-term.

A sub-base system needs to be adopted which obtains maximum strength, load spread and porosity with minimum depth. In order to do this the construction should incorporate an aggregate sub-base with the selected cellular confinement system.

A 'no-fines' 20-40mm aggregate infill material is required in order to maintain porosity. Limestone aggregate should be avoided, as this is likely to leach into the soil below and alter the pH value, which is critical to many species of trees. Particle size must not exceed 50mm.

Prior to the selected surface material being installed, a second layer of geotextile should be installed. The ideal road surface would be hard wearing and durable, it should have long-term permeability to both air and water, as well as maintaining high friction i.e. it should be non-slippery.

Hard surface removal - The removal of the existing hard surfacing within the RPA of retained trees has the potential to cause damage to the structure of soils and to tree roots. All hard surfacing requiring removal within the RPA of retained trees will be broken up with a hand held pneumatic breaker using a mini digger on a suitably load bearing surface.

Re-Installation Of Hard Surfacing To Soft Ground - Prior to commencement the area of soft landscaping will be marked out and hard surfacing outside of the identified areas will be temporarily retained to provide ground protection and minimise root disturbance during development.

Approximate position of site compound

Arboricultural Monitoring & Recording
All works within the Root Protection Area (RPA) and close to the crown extents of retained trees will be carried out under an Arboricultural Watching Brief by the Project Arboriculturist.

It is the responsibility of the Client to appoint a Project Arboriculturist and agree the level of monitoring and recording prior to commencement. The frequency of site visits will be determined by the scope of works and complexities of development prior to commencement of key work stages.

It is the responsibility of the demolition contractor to inform the Client's Representative of works within the RPA atleast 72hrs prior to commencement.

TABLE 1 - ARBORICULTURAL MONITORING AND RECORDING

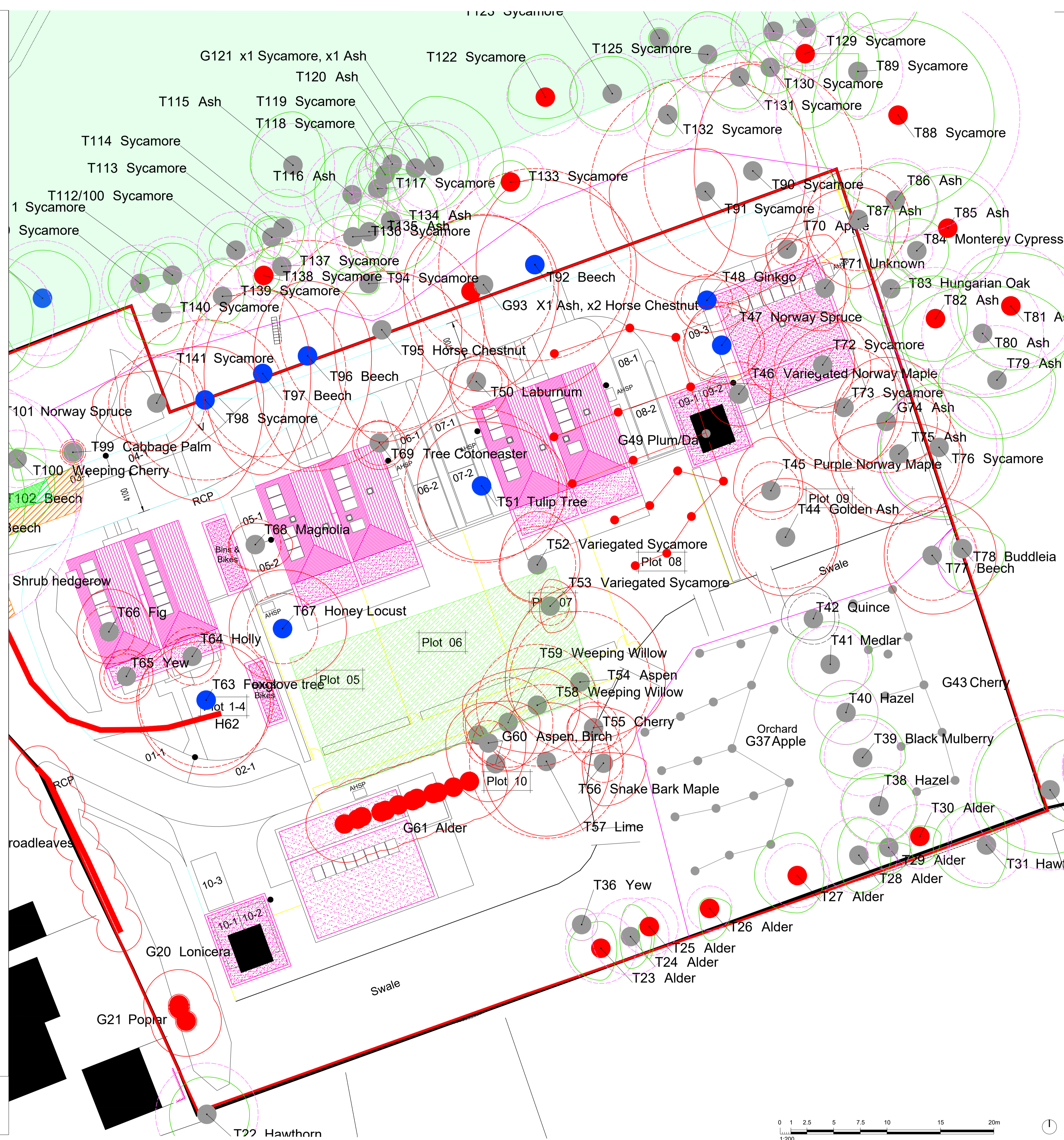
Table with 4 columns: Work Stage, Scope, Site Inspection, Site Monitoring. Rows include Tree Protection Barriers, Construction Phase, Hard Surface Removal, Installation of cellular confinement system at passing point, and Tree Protection Barriers.

Tree Roots - The majority of tree roots are typically concentrated within the top 600mm of soil. Repeat tracking by vehicles, excavation or cement (including washings and crushed) over soft ground near trees is likely to cause root damage.

Tree Protection Barriers - A scheme for the protection of trees shall be implemented to avoid damage or loss of retained trees. All barriers are to be erected prior to commencement of any works on site, including site enablement and excavation.

Any damage to protective barriers or accidental damage to trees must be reported to the Site Manager immediately. Works occurring within the vicinity will cease immediately until adequate tree protection measures are rectified.

All personnel using the site including site managers, agents, supervisors, operatives and other relevant personnel are to be informed of the role of the tree protective fences and its importance.



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Table with 8 columns: Revision Number, Origin, Author, Level, File Type, Role, Number, Revision. Row 1: TF1153, FAB, 00, XX, DR, G, 8401, P01

Table with 3 columns: POI, Initial Issue, Date. Row 1: PO1, 31/08/23, Initial Issue

Table with 3 columns: Drawn, Checkd, Date. Row 1: rd, rd, 31/08/23

External References
1. BS:2000:1987(CIS-Plan) 1984/2003
2. D0906-FAB-00-XX-M2-0001
3. D0907-FAB-00-XX-M2-0001
4. D0908-FAB-00-XX-M2-0001
5. D0909-FAB-00-XX-M2-0001
6. D1003-FAB-00-XX-M2-G-7004 Drainage
7. X9811