



NOTES
 This drawing is the property of tree: fabrik Ltd. It must not be copied or reproduced without written consent. The original of this drawing was produced in colour - a monochrome copy should not be relied upon. Only figured dimensions are to be taken from this drawing. This is not a vegetation assessment for NHBC guidance or a higher level inspection (full hazard or risk assessment) and no guarantee, either expressed or implied can therefore be given with regards to identification, safety, stability or internal condition.

General
 This illustrative plan is submitted in discharge of Condition 6 as part of Planning Permission 2014/3486/P which states: *Prior to the commencement of any works on site, details demonstrating how trees to be retained shall be protected during construction work shall be submitted to and approved by the Council in writing, as recommended in the submitted Arboricultural Report. Such details shall follow guidelines and standards set out in BS5837:2012 "Trees in Relation to design, demolition and construction". All trees on the site, or parts of trees growing from adjoining sites, unless shown on the permitted drawings as being removed, shall be retained and protected from damage in accordance with the approved protection details.*

This illustrative plan is intended to inform the location of protective barriers, other relevant physical protection and highlight precautionary areas in order to minimise the adverse impact of development on retained trees. This plan shall be incorporated into subsequent drawings and method statements used for the 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 Boundary
 - - - Indicative site boundary

Site Logistics
 - - - Indicative line of site hoarding
 Site access and delivery
 Site office and welfare
 Scaffold (1.5m)

Tree Survey
 1 Tree No.

Above and Below Ground Constraints
 Crown spread - extent of current crown to be pollarded
 Preliminary root protection area
 Crown spread - extent of current crown (pollarded)
 Illustrated as an area equivalent to a circle

Tree Protection
 Tree Protection Barrier
 Tree trunk to be excluded from physical damage during development
 Precautionary Area 1
 Existing paving to be retained to provide ground protection within RPA.

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 demolition works are undertaken in the proximity of trees. The methodology of this Tree Protection Strategy follows a logical sequence of events. Variations to the sequence could significantly reduce the efficiency of the tree protection measures.

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.

A summary of tree protection will be provided to all personnel through the Site Induction. This summarises the key precautionary measures and responsibilities of all site personnel to ensure an awareness of trees during site works and that they are successfully protected throughout the demolition and land remediation works. It is the responsibility of the Principle Contractor to ensure that the Tree Protection Plans are implemented on site, maintained during the development process and understood by all site personnel and contractors prior to commencement of works.

Tree Roots - The majority of tree roots are typically concentrated within the top 600mm of soil. Excavation, washings or cement near trees is likely to cause root damage. This may have an adverse impact on the trees health and stability. Any tree roots exposed during operations should be treated at once. Exposed roots smaller than 25mm diameter may be pruned back, preferably to a side branch, using proprietary cutting tools. In the event that roots are required to be pruned, sharp cutting tools are to be used to ensure the minimum damage is caused. Clean cuts can result in the redevelopment of fine roots. Poor utility cuts can, however, result in root die back and decay. No roots greater than diameters of 25mm are to be pruned without prior agreement with the Local Authority Tree Officer.

Tree Works - All tree works will be carried out by a competent person experienced in arboriculture and in accordance with BS 3998 Tree Work - Recommendations (2010). Prior to commencement of tree works all responsibilities under the Wildlife & Countryside Act (1981), as amended by the Countryside and Rights of Way Act 2000 must be observed. No tree works are to take place within the bird nesting season (March to August) unless a survey undertaken by a suitably experienced person establishes that active nests are absent.

Tree Protection Barriers - Following completion of tree works, tree protection barriers as specified will be installed to protect retained trees. All tree protection barriers must be fit for purpose.

The barriers will be erected PRIOR to any works in the vicinity of the trees or the delivery of machinery, materials, plant or equipment to the site or any adjacent land thereto.

The barriers will consist of 2.4m high marine grade sheet ply forming a free standing box to exclude the trees trunk from accidental physical damage. The box will be above ground level and braced to resist impact. On no account will the box or braces be attached to the tree. Once the barriers have been properly installed and erected in position, the fenced area is to be considered sacrosanct and must not be removed or altered in any way without prior approval from the Project Arboriculturist or Local Authority Tree Officer.

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.

Precautionary Area 1 - Existing paving will remain in place to provide ground protection. If paving becomes damaged or requires replacement the paving slab will be lifted and carefully replaced ensuring no damage or disturbance to roots that may be present below the surface. Should paving require removal to access the existing plinth, temporary ground protection must be laid to protect tree roots and minimise compaction of the soft ground. Levels must not be altered within the Precautionary Area without prior agreement from the Project Arboriculturist or Local Authority Tree Officer.

Existing utilities and services - Within Precautionary Area 1 existing utility or drainage runs are located within the RPA of retained trees. In the event that excavation is required within the Precautionary Area 1 as part of agreed utility and drainage plans, hand tools only must be used in accordance with National Joint Utility Guidelines Vol. 4 Issue 2 Nov '07 and under arboricultural supervision. Any tree roots exposed by such operations should be treated at once. Exposed roots will be wrapped in dry, clean Hessian sacking to prevent desiccation and to protect from rapid temperature changes. Roots smaller than 25mm diameter may be pruned back, preferably to a side branch, using proprietary cutting tools.

Lubricants, Overwash or Spillage - Within Precautionary Area 1, the soil beneath the paving must be protected from ground contamination and the potential toxic effects of concrete/diesel etc. Protection and precautionary measures shall be considered by the Contractor to avoid direct or indirect contamination and provision for additional tree protection made within the contractor's Method Statement. In the event of spillage, the spillage area is to be secured with sandbags and measures taken to drain/soak any spillage away from the protected area.

Cranes, Rigs and Booms - Where enabling works or construction is to occur within 2m of the crown extent of any retained tree, protection and precautionary measures must be observed. In addition to the site induction, all vehicles will operate with a banksman to ensure the limit of travel is observed. Where a tower crane is in operation, the exclusion zone formed by the tree constraints will be programmed into the cranes onboard limiter. These precautionary measures are to be adopted by the contractor and provision made within the contractors method statement.

Tree No.	Species	Reason for works	Tree Works
Wates House, Gordon Street, London			
1	London Plane	Facilitative works to provide clearance during development	Re-pollard to previous reduction points (knuckles). Tip reduce selected lateral branches to provide vertical clearance of 1.2m offset from plinth for scaffold.
2	London Plane	Facilitative works to provide clearance during development	Tip reduce selected lateral branches to provide vertical clearance of 1.2m offset from plinth for scaffold.
3	London Plane	Facilitative works to provide clearance during development	Tip reduce selected lateral branches to provide vertical clearance of 1.2m offset from plinth for scaffold.
4	London Plane	Facilitative works to provide clearance during development	Tip reduce selected lateral branches to provide vertical clearance of 1.2m offset from plinth for scaffold.
5	London Plane	Facilitative works to provide clearance during development	Tip reduce selected lateral branches to provide vertical clearance of 1.2m offset from plinth for scaffold.
6	London Plane	Facilitative works to provide clearance during development	Tip reduce selected lateral branches to provide vertical clearance of 1.2m offset from plinth for scaffold.
G7	Field Maple	Facilitative works to provide clearance during development	Tip reduce lateral branches on north west profile only to provide clearance for construction vehicles.

Example - Tree Protection Signage



tree: fabrik
 38a High Street
 Alton
 Hampshire
 GU34 1BD
 T : 01420 593250
 F : 01420 544243
 E : alan@treefabrik.com

Project
**WATES HOUSE
 GORDON STREET, LONDON**

Drawing
**TREE PROTECTION PLAN &
 ARBORICULTURAL METHOD STATEMENT**

Scale 1:250 Date DEC '14 Drawn AR

Drawing No. tf 959/TPP/300 Revision B

Preliminary
 Issued for Planning Approval
 Issued for Construction
 Issued for Design/Information
 Issued for Tender
 As Built

Drawing sheet size - A3

