

Arboricultural Method Statement



 Site: 3a Upper Park Road, London, NW3 2UN
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 Date: 01/03/2024
 Revision: 1
 CL ref No: 11774
 Client: Studio MCW

Tree Protection Barriers

The purpose of tree protection barriers is to keep construction activity away from Restricted Activity Zones or Construction Exclusion Zones. They must be appropriate to the nature and proximity of activity within the site. The barriers must be erected prior to the commencement of all activity including demolition, soil stripping and delivery of materials and demolition (except where existing structures require demolition to enable the barriers to be installed). Barrier systems are specified below and are to be installed according to the legend on the Tree Protection Plan.

Stem Protection – Cloth and Chestnut Paling Wrap

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Where indicated by a pink star on the Tree Protection Plan, it is proposed to protect the stems of T4 and T5 using sturdy cloth and chestnut paling double wrapped around the stems. Other tree protection barriers, such as Heras fencing, are not considered appropriate due to the proximity of tree stems to areas of proposed activity, and limited space.

The tree stems shall be protected from ground level to a height of 2.5m by wrapping them at least three times with a sturdy material such as hessian cloth or similar. Around this, chestnut paling shall be wrapped at least twice around and secured.

The wrappings shall be secured using string, wire or plastic cable clips. They shall not be secured by driving nails or tacks into the tree stem or bark.

Ground Protection Measures

Within the Restricted Activity Zones, soils containing roots may be subject to compaction due to general construction activity (including pedestrian activity and use of plant machinery). In order to minimise compaction, it is proposed to ensure that a suitable load-spreading surface is in place at all times.

Only pedestrian activity is to occur for the proposed works. The existing surface in the rear garden may be retained in place, and no additional measures are required.

In the raised ground in which T4 and T5 grow, ground protection measures will need to be installed to minimise soil compaction from pedestrian activity. The ground protection will consist of a 100mm thick layer of woodchip laying directly onto the ground. On top of this, a single layer of 24mm OSB boards will be laid. The OSB boards should be screwed/connected together to prevent slippage.

The ground protection measures will be installed and approved before the commencement of demolition of the wall and construction of the fences. They shall remain in place until all construction activity is complete. Once completed, the ground protection measures may be removed using hand tools.

Removal of Tree Protection Barriers

Removal of protective fencing or ground protection measures will only be done after all construction work is complete and their removal has been approved by the appointed arborist or tree officer.

Notices

Suitable weather-proof notices are to be displayed to identify tree protection zones. They must state the purpose of the fencing and that it will not be moved, or traversed, other than by authorised personnel.

Restrictions in Specific Zones

Restricted Activity Zone

Within this zone, tree roots will be present where access is required to facilitate construction. The following restrictions will apply:

- Only pedestrian activity is permitted in these areas.
- A suitable load-spreading surface will be installed in the area of soft ground surrounding the tree stems (of T4 and T5) prior to the commencement of all construction activity, as specified under the heading *Ground Protection Measures*. This will remain in place throughout the entire demolition and construction phase.
- Boundary Wall Demolition: Removal of the existing sections of the boundary wall will be demolished using hand tools only. The brickwork will be pulled onto the garden in a direction away from tree stems. The existing wall foundations may be left in place. However, if it does become necessary to remove the existing wall foundations, the concrete shall be broken up into small pieces and shall be carefully lifted and removed. No excavation whatsoever will occur beyond the depth of the existing wall foundation. If the foundations are to be removed, the void will be backfilled with a suitable material.
- Installation of New Fencing: Hand tools only will be used for excavation and
 installation of timber posts. The timber posts will be 150mm x 150mm and the post
 holes will be kept as narrow as possible, not exceeding 250mm x 250mm. If any tree
 roots with a diameter greater than 25mm are encountered when excavating the post
 holes, the root(s) will be retained intact, and the post hole will be
 relocated/repositioned slightly to accommodate the tree root. If any tree root(s) with
 a diameter greater than 10mm, but less than 25mm diameter are encountered, they
 may be neatly severed using clean, sharp secateurs. The post holes will be sleeved to
 prevent cement leaching into the soils.
- No further excavation will occur in this zone without consulting the project arborist and obtaining approval from the local authority.
- Existing ground levels will be retained undisturbed.
- No fires will be permitted.

General Restrictions - Throughout the Site

Preparatory Works

No construction or demolition activity will commence until the protective fencing and ground protection measures are installed to the satisfaction of the local authority.

Canopy Protection

In order to protect tree canopies the following restrictions will apply throughout the site:
 Where works are proposed beneath tree canopies, every effort will be made to avoid any

- accidental damage to branches.Carrying of materials and installation of fencing beneath tree canopies shall be carefully
- marshalled.
 If any branches (particularly of T5) are hindering the installation of fencing, the branches shall be held out of the way, or temporarily tied to another branch using string to increase clearance in the construction area.

Storage of Spoil and Materials

Storage of materials and spoil will be avoided in the Restricted Activity Zones unless it has been agreed with the project arborist that the ground protection measures are adequate to ensure no soil compaction or contamination occurs.

Hazardous Materials

Any mixing of cement-based materials will take place outside the Restricted Activity Zones. Otherwise, provision will be made to ensure that the mixing area is contained so that no water run-off enters the Root Protection Area of any trees. Mixers and barrows will be cleaned within this area.



Tree Works Specification

The following table specifies the tree works which will be required prior to the commencement of construction activity:

Tree Reference	Action Required	Notes
T5	Neatly prune epicormic shoots back to the stem.	To increase clearance for construction activity and enable tree protection measures to be installed around the tree.

Timing of Operations

Activity within the site shall be phased according to the following chronology

Order	Phase	Activity		
1st.		Planning conditions relating to trees to be identified and discussed with the Project arborist and site manager.		
2nd.	Pre- Construction	All specified pruning of epicormic shoots to be undertaken (see Header -Tree Works Schedule).		
3rd.		Install the tree protection barriers (stem protection and ground protection - see Headers -Tree Protection Barriers and Ground Protection Measures).		
4th.		Pre-Commencement site meeting: Tree protection barriers inspected. Any variances to be agreed. Extents of excavation to be agreed.		
5th.		Arboricultural Method Statement to be revised and approved (if necessary).		
Protection measures confirmed acceptable by the local authority				
6th.	Construction	Demolish and remove existing structures where applicable.		
7th.	Phase	Install new fences taking into account restricted activities as specified in this Arboricultural Method Statement.		
8th.	Post- Construction Phase	Site meeting with project arborist and/or local authority tree officer. Condition of retained trees to be assessed and mitigation agreed. Ground conditions to be assessed and ground remediation to be agreed.		
9th.		Remove protective barriers (fencing and ground protection measures as applicable).		

Tree Data Schedule - Trees in Construction Activity Area



Site Monitoring Schedule

Inspection	Site Attendees	Comments
Pre- Start Desk-top To occur prior to any works taking place on the site.	N/A.	Project Manager and Site Manager to study this Method Statement & contact the Project Arborist to clarify all protection measures.
Pre-Start Meeting After tree works completed & tree protection barriers / ground protection measures installed and prior to any other activity, inc. demolition & soil stripping.	Project Manager, Site Manager, Project Arborist, relevant contractors.	Tree protection fencing locations & specification checked. Ground protection measures checked. Contractors to be inducted to all relevant aspects of the Arboricultural Method Statement. Responsibilities checked and acknowledged. Adherence to the Arboricultural Method Statement to be discussed and agreed. Report on findings to be provided by the arborist and sent to the local authority tree officer by the project manager.
Post-Construction Meeting Post external construction activity but prior to removal of fencing.	Site Manager, Project Arborist and/or Tree Officer.	Retained trees inspected. Ground conditions assessed and mitigation measures agreed where appropriate.

Personnel and Accountability

This table should be completed at the Pre-Start Meeting or earlier

Position	Name	Contact Phone & email	Roles
Project Manager	Insert Details	Insert Details	Liaising with site manager & project arborist regarding any potential issues relating to trees (including pre-start clarification of the Arboricultural Method Statement). Scheduling of meetings, excavations and inspections (including project arborist and local authority tree officer where applicable). Overseeing this monitoring schedule. Instructing the project arborist and arranging access. Liaising with local authority regarding discharge of planning conditions and variances to the Arboricultural Method Statement. Reporting to the local authority following site inspections and any variation or incidents.
Site Manager	Insert Details	Insert Details	Day to day monitoring of tree protection measures. Induction of all contractors. Reporting to the Project Manager and the Appointed Arborist of any incidents or potential variations to the agreed tree protection measures.
Project Arborist	In Crown Tree Consultancy	08000 14 13 30 1 0203 797 7449 S info@crowntrees.co.uk	Liaising with LPA Tree Officer over technical arboricultural matters. Upon instruction the arborist shall inspect the tree protection barriers including ground protection measures and produce a short report for the project manager to submit. Upon instruction the arborist shall attend any specified site visits and inspections and produce a short report for the project manager to submit.
Local Authority	London Borough of Camden	Insert Details	Approval of the Arboricultural Method Statement and site monitoring reports. Liaising with the appointed arborist on all technical arboricultural matters. Liaising with the Project Manager to agree suitability of tree protection measures and any variations. Enforcement. Discharge of planning conditions relating to trees.
Additional Contact	Insert Details	Insert Details	Insert Details

