

Arboricultural Method Statement

Site: 10 Park Village West, London, NW1 4AE

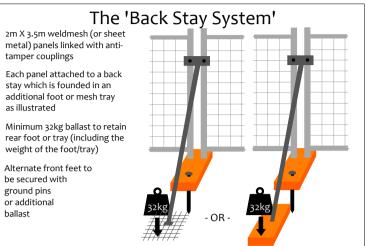
Date: 16/10/2024 | Revision: 1 | CCL ref No: 11795

Tree Protection Barriers

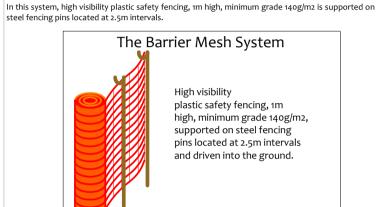
The purpose of tree protection barriers is to keep construction activity away from Restricted Activity Zones or Construction Exclusion Zones. They must be appropriate to the nature and proximity of activity within the site. The barriers must be erected prior to the commencement of all activity including demolition, soil stripping and delivery of materials and demolition (except where existing Ground Protection Measures 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.

more practical over existing hard surfaces or where the fencing needs to be moved to enable of construction traffic. Otherwise, it will be reinforced or replaced with adequate ground protection permitted activities within a Restricted Activity Zone. This system is able to withstand occasional measures. knocks by machinery and must not be relocated except with the consent of the site manager and the Unless specified otherwise, ground protection will consist of 24mm OSB boards laid at double

additional foot or baseplate secured with ground pins or additional ballast. Where ground pins are the scaffold) with additional couplings to make the framework secure. Where it is not possible to install diagonal struts (such as very close to a hedge) then the front feet tracks may chew up the timber) sturdier ground protection measures will be installed such as road will be secured using ground pins or ballast



Where indicated by a thick red line (solid or dashed) on the Tree Protection Plan, it shall be acceptable to install a less robust system than those specified above. This is because of the nature of construction activity or its distance from tree protection areas. The purpose of such a system shall be to demarcate the protection zone. It is not intended that such fencing will withstand knocks by



Restrictions in Specific Zones

construction. The following restrictions shall apply:

o.5m of any tree stem.

No fires will be permitted.

Restricted Activity Zone B

Restricted Activity Zone C

impact, the following restrictions will apply:

the project arborist.

mechanical excavation may be used.

Lighting, Bollards, CCTV and associated Cables

removed to the branch collar as per British Standard 3998 (2010).

the local authority. Consideration should be given to the following:

General Restrictions

Restricted Activity Zone A

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

occasional) will also require a suitable load spreading surface.

obtaining approval from the local authority.

cement products) will be forbidden.

to utilise the <u>Hand-Dig Method</u>. The following restrictions will apply:

• Excavation will be overseen by the project arborist.

a carefully marshalled mechanical excavator may be used.

will be installed as soon as demolition is complete.)

If roots in excess of 25mm diameter are encountered, they will be retained.

than tangentially across the rooting zone. The location of all such cables will be determined

after consultation with the project arborist and approval by the local authority.

from outside the Restricted Activity Zone and carefully marshalled by the project

• Existing ground levels will be retained undisturbed or raised by no more than 150mm.

roots in excess of 10mm that need to be severed will be pruned with secateurs.

Author: Joe Taylor FdSc (Arboriculture), M. Arbor A Client: Simon Morray-Jones



Removal of Tree Protection Barriers Removal of protective fencing or ground protection measures will only be done after all major

n work is complete and their removal has been approved by the appointed arborist

Within 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. This system will be installed where indicated by a dashed purple line on the Tree Protection Plan. It is

Any existing hard surfacing may be retained where engineers consider it adequate to spread the load

thickness and screwed together to prevent slippage. The ground will be made even by raking, and by Within this system, weldmesh fencing panels (minimum height 2m) are affixed into rubber or concrete feet and clipped together with anti-tamper couplers. Two couplers should be used, spaced at least 1m apart. Alternate panels will be attached to a diagonal back stay connected to an additional foot or baseplate secured with ground place or additional foot or baseplate secured with ground and/or onto blocks (to raise

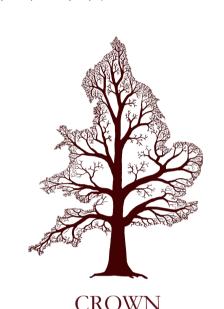
Where engineers consider OSB boards to be inadequate (e.g. for large plant machinery where the plates, or 100mm of 7–40mm angular gravel installed in 3D cellular confinement system (e.g.

If a piling mat is required, specifications will be agreed between engineers and the project arborist. The ground protection measures will be installed and approved before commencement of demolition and construction activity and before the arrival of plant machinery or materials. They shall remain in place until all heavy construction activity is complete or until they are due to be replaced

Construction Exclusion Zones

Within Construction Exclusion Zones the following restrictions apply:

- Tree Protection Barriers will be erected and maintained throughout the entire project as indicated on the Tree Protection Plan and under the header -Tree Protection
- These will remain in place at all times except when authorised landscaping works are being undertaken. At such times, adequate ground protection measures will be installed, and excavation shall be limited to that required for new planting. Furthermore, the project arborist will be consulted prior to any works being • No construction activity or excavation will occur unless agreed otherwise by the
- project arborist and local authority. No vehicles or plant machinery will be driven or parked.
- No tree works, other than those specified on this document will be undertaken. • No alterations of ground levels or conditions will occur.
- No chemicals or cement washings will be permitted. • No temporary structures will be installed.
- No fires will be permitted
- All hazardous materials (including non-essential cement products) will be forbidden • Removal of hard surfaces, structures or turf will be done using hand operated tools



Tree Consultancy 01422 316660

General Restrictions

Preparatory Works

No demolition, removal of surfaces, or soil stripping will commence until the protective fencing and Within this zone, tree roots are likely to be present where access will be required to facilitate ground protection measures are installed to the satisfaction of the local authority.

No vehicles or plant machinery will park or operate unless a suitable load spreading surface is in place. The load spreading surface will be installed and/or maintained as specified under the heading Ground Protection Measures. This will remain in place throughout the entire demolition and construction phase or until any new fires will be permitted within any Construction Exclusion Zone or Restricted Activity Zone. No fires will be permitted in the vicinity of any exposed tree roots.

permanent hard surfacing is installed. Any pedestrian activity (other than very Canopy Protection

- Removal of existing structures such as walls, steps and hard surfaces (where In order to protect tree canopies the following restrictions will apply throughout the site: applicable) will be undertaken using hand tools or a mechanical excavator operating

 • No machinery in excess of 2m will pass beneath the canopy of any tree without being carefully marshalled in order to ensure that no branches are damaged • If materials require installation or delivery beneath tree canopies, this will be done without the
- No excavation will occur in this zone without consulting the project arborist and use of overhead cranes. • If materials are to be installed or delivered close to tree canopies (but not beneath them) and a crane is required, they will be carefully marshalled in order to ensure that branches are not Ground levels may only be raised using granular topsoil (not rich in clay) or where

new surfacing is proposed. No raising of ground levels whatsoever will occur within Storage of Spoil and Materials

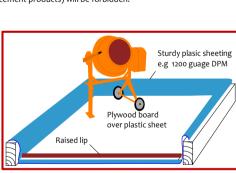
 No new permanent or temporary structures will be erected other than those shown
 No new permanent or temporary structures will be erected other than those shown
 Storage of materials and spoil will be avoided in any Construction Exclusion Zones and Restricted on the planning application documents unless approved by the local authority.

Output

Output the project arborist and a methodology agreed and approved by the local authority. If roots are encountered in excess of 25mm diameter, they will be retained wherever

possible and protected with damp sacking during times that they are unearthed. Any Hazardous Materials

 Storage of materials and spoil will be avoided unless it has been agreed with the
 Any mixing of cement based project arborist that the ground protection measures are adequate to ensure no soil materials will take place compaction or contamination occurs. All hazardous materials (including non-essential outside the Construction Activity Zones, Where cemen is to be mixed at considerable distances from trees and water run-off cannot enter Room Protection Areas, then no In this zone foundations are to be installed. In order to minimise the impact on roots it is proposed further special measures are required. Otherwise, provision will be made to ensure that the



 Hand tools will be used during the excavation to a depth of 600mm. Below this depth
 that no water run-off enters • The excavation will not extend more than 250mm beyond the footprint of the within this area.

the Root Protection Area of any trees (see diagram for example). Mixers and barrows will be cleaned

• If roots in excess of 25mm diameter are encountered close to the edge of the All other chemicals hazardous to tree health, including petrol and diesel, will be stored in suitable excavation, they will be retained wherever possible and protected with damp sacking containers as specified by current COSHH Regulations, and kept away from Root Protection Areas. during times that they are unearthed. Any roots that need to be severed will be

Underground Services No underground services (including soak-aways) will be located in any part of the Construction

Exclusion Zones or Restricted Activity Zones unless done so in a manner detailed in a specific Method Statement and approved by the local authority. In this zone it is proposed to remove of the raised flowerbeds close to G18 – T20. To minimise the

• Commencement of demolition and any removal of foundations will be overseen by

- All excavation shall be undertaken using hand tools and supervised by the project
 Ground levels will be maintained as existing. Post holes will not exceed 300mm x 300mm
- Demolition will not commence until the protective barriers (including ground No post hole will be excavated within 1.5m of any tree stem. protection measures) are installed to the satisfaction of the local authority. (Where
- demolition is necessary to enable the installation of tree protection barriers, this will machinery sited outside of Root Protection Areas. be done in a sympathetic manner as set out below, and the tree protection barriers

 • Roots in excess of 25mm will be retained wherever possible.
 - Roots in excess of 10mm will be pruned with sharp secateurs.
- Foundations within (or immediately adjacent to) Root Protection Areas will be Pruning will be minimal and only undertaken where absolutely necessary to facilitate the site removed by excavating on the inside of the foundation first and pulling away from hoarding. It will be undertaken by a reputable tree surgeon working to BS 3998 (2010). the trees. No excavation will take place between the foundation and the tree rooting Site hoarding may be installed in place of the specified tree protection measures subject to the approval of the local authority with regard to its location and specification.

Any roots less than 25mm that need to be severed will be pruned with secateurs by Siting of Cabins

Cabins will be located outside of Construction Exclusion Zones and Restricted Activity Zones unless agreed otherwise by the project arborist. Where this is being considered, the project arborist will be consulted, and specific tree protection measures agreed. The following general restrictions will

• All services to and from site cabins will be installed above ground through any Root Protection • No excavation will occur within Root Protection Areas to enable cabins to be installed. If any of the above are to be installed close to tree canopies or within Root Protection Areas of

The cabins will be founded on a suitable load spreading surface.

tained trees; installation methods will be detailed in a specific Method Statement and approved by Fence Posts or Decking Posts

Pruning of branches to enable sufficient clearance for light and views. Branches will be If permanent fencing or decking is to be installed within Root Protection Areas, the following • Post holes must be excavated by hand or using an appropriate sized auger. No other form of

- All post holes will be excavated by hand and kept as narrow as possible (maximum diameter Wherever possible, cables will be routed in a direction directly away from the tree stem rather
 - Exploratory post holes will be dug before committing to post / panel positions. If any roots in excess of 25mm are encountered they are to remain intact and the post hole will be relocated slightly. The fencing system must permit such flexibility (i.e. where fixed panel widths are used,
 - Any roots in excess of 10mm which are severed will be neatly pruned back with secateurs. This shall encourage healing and reduce the likelihood of infection. Walls will be avoided over Root Protection Areas, unless their foundations are spanned over roots

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-	Install the tree protection barriers (fencing and ground protection boards - see Headers - Tree Protection Barriers and Ground Protection Measures).					
3rd.	Construction Phase	Pre-Commencement site meeting: Tree protection barriers inspected. Additional protection measures to be agreed. Variances to be agreed. Extents of excavation to be agreed. Scaffold restrictions to be agreed. Scope of future inspections / monitoring to be agreed.					
4th.		Arboricultural Method Statement to be revised and approved (if necessary).					
Protection measures confirmed acceptable by the Local Authority							
5th.	Demolition	Demolish existing structures and remove existing surfaces where applicable.					
6th.	and Construction Phase	Install new buildings, hard surfaces and services taking into account restricted activities as specified in this Arboricultural Method Statement.					
7th.		Site meeting with Project Arborist. Landscaping restrictions to be agreed. Condition of retained trees to be assessed and mitigation agreed. Ground conditions to be assessed and ground remediation to be agreed.					
8th.	Post-	Remove protective barriers (fencing and ground protection measures as applicable).					

treatments, pedestrian surfaces, decking and any proposed tree planting.

Undertake restricted landscaping operations within Root Protection Areas, including (where applicable) boundary

Personnel and Accountability

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

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	Crown Tree Consultancy	08000 14 13 30 0203 797 7449 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.
Additional Contact	Insert Details	Insert Details	Insert Details

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 Officer invited.	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.
Overseeing Demolition Applies to all demolition activities in Restricted Activity Zones.	Site Manager and Project Arborist.	Two weeks' notice to be given prior to commencement. Removal of any topsoil in RPAs to be overseen. Removal of any hard surfaces in RPAs to be overseen. Removal of any retaining structures in RPAs to be overseen. Removal of any foundations in RPAs to be overseen. Mitigation measures to be employed as specified by the project arborist. Report on findings to be provided by the Project Arborist and sent to the local authority by the Project Manager.
Overseeing Excavation in Restricted Activity Zone B. All excavation including new surfacing, foundations, underground services and changes in ground levels. To be overseen.	Site Manager and Project Arborist.	Two weeks' notice to be given prior to commencement. Excavation to be as specified in this Method Statement. Roots to be retained or pruned as specified in this Method Statement. Mitigation measures to be employed specified by the project arborist. Activities to be recorded and photographed. Report on findings to be provided by the Project Arborist and sent to the local authority by the Project Manager.
Post-Construction Meeting Post external construction activity but prior to removal of fencing & landscaping operations.	Site Manager, Project Arborist. Tree Officer invited.	Retained trees inspected. Ground conditions assessed and mitigation measures agreed where appropriate. Further landscaping operations and restrictions to be agreed.



















ometimes not included on the Tree Protection Plan to avoid confusion G2 = Group No 2 H3 = Hedge No 3

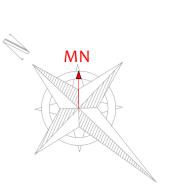
Category A tree Category B tree Category C tree Category U tree

Tree Retention Categories

Trees of high quality with an estimated life expectancy of 40+ years. Usually large trees with significant presence or smaller trees with ellent form. Retention of these trees is highly desirable. Jsually maturing trees, or younger trees with good form. Retentrees is desirable though less than Category A trees rkable trees of low quality and merit. Individual specimer

Frees unsuitable for retention due to their very poor condition

CCL 11795 Tree Protection Plan (Existing Layout with Proposals Overlaid) 10 Park Village West Paper Size: A1



Proposed Layout (Pink)

To be Demolished (Blue)

