

Protective Fencing

To be erected prior to the commencement of all works on site, and retained in place throughout construction.

Default Specification: To comprise either 2.4m wooden site sheathing, or 2.4m x 1.2m x 12mm thick sheets of vertical and horizontal framework, well braced to resist impacts, with uprights to be spaced at a maximum of 3.0m intervals and driven into the ground by a minimum of 600mm. On to this, standard anti-climbed welded mesh panels are to be securely fixed to each other with at least two scaffold clamps and the mesh to be braced to the ground.

Secondary Specification: To comprise of 2m tall welded mesh panels on rubber or concrete feet. Panels are to be joined together using a minimum of two anti-tamper couplers, installed so that they can only be removed by the use of a screwdriver. The mesh should be supported on the inner side by stabilizer studs, which should be attached to the base plate and secured with ground pins.

All weather notices should be erected at regular intervals on the weld mesh panels with words such as "Construction exclusion zone - Keep out".

Trunk Protection

Protective trunk Wrapping:
To be attached to the trunks of retained trees prior to the commencement of all works on site, and retained in place throughout construction. To comprise a minimum of three wrappings of clear hessian around the trunk from ground level up to 2.3m high and held in place using sisal. Once the hessian a minimum of three wraps of clear hessian to be applied to the trunk from 2.3m high to 5.0m high galvanized wire in three locations and fixed in place using fencing staples fixed into the chestnut palling.

Protective hoarding:
To be installed to the commencement of all works on site, and retained in place throughout construction. To comprise of 2.4m wooden site hoarding constructed upon a timber frame work situated around the trunk of the tree. The hoarding to be constructed to be constructed around the tree trunk a minimum of 4 layers of clean dry hessian to be wrapped around the trunk to protect the bark.

All weather notices should be erected at regular intervals on the wall and panels with words such as "Construction exclusion zone - Keep out"

Ground boarding

New temporary ground protection should be capable of supporting any traffic entering or using the site without being distorted or causing compaction of underlying soil.

Note The ground protection might comprise one of the following:

- a) for pedestrian movements only, a single thickness of scaffold boards placed either on top of a driven scaffold frame, as to form a suspended walkway, or on top of a compression-resistant layer (e.g. 100mm depth of woodchip), laid onto a geotextile membrane;
- b) for pedestrian-operated plant up to a gross weight of 2t, proprietary inter-linked ground protection boards placed on top of a compression-resistant layer (e.g. 150mm depth of woodchip), laid onto a geotextile membrane;
- c) for wheeled or tracked construction traffic exceeding 2 t gross weight, an inter-linked system (e.g. proprietary systems or pre-cast reinforced concrete slabs) to an engineering specification designed in conjunction with arboricultural advice, to accommodate the likely loading to which it will be subjected.

Hard Surfacing Removal

Removal of and/or replacement of hard surfacing situated either partially or completely within the RPAs of retained trees shall be undertaken with care and under the direct on-site arboricultural supervision as these areas are likely to contain roots.

When the use of a hand held pneumatic breaker, hand tools and a wheel barrow to break up and remove the surfacing. If it is necessary to remove the sub base this is to be undertaken using hand tools such as a fork to loosen the material and a wheel barrow to remove the material.

In some situations and at the discretion of the arborist it may be possible to use an excavator using a hydraulic breaker and suitably sized toothless grading blade. If an excavator is to be used it must be situated outside the RPA and the operator must be working away from the RPAs or from ground bounding.

Which ever system is used the is to be **NO disturbance of the soil beneath**. If roots are found they are to be covered over with damp hessian or other sharp sand, wood chip or top soil to prevent desiccation.

Supervised demolition

Partiality of existing structures and foundations situated either partially or completely within RPAs of retained trees shall be undertaken with care and under the direct on-site arboricultural supervision as these areas are likely to contain roots.

Where any part of a tree or its root system is located within the trench and they are to only be removed where critical to the proposed development and to the minimum depth required. The foundations will be broken up using a hand held pneumatic breaker, hand tools and a wheel barrow to break up and remove the surfacing. In some situations and at the discretion of the contractor, a hand held pneumatic breaker, a hand held hydraulic breaker and suitably sized toothless grading bucket. If an excavator is to be used it must be situated outside the RPAs, on top of the hard surfacing working away from the RPAs or from ground bounding. If it is likely that there will be any collapse of the soil within the rooting zone of the tree, the trench shall be supported by trench boxes or trench shields to be shored up to prevent loss of the rooting environment.

Which ever system is used there is to be **NO disturbance** of the soil on the tree side of the foundations. If roots are found they are to be conserved and not cut. The trench shall be lined with either sharp sand, chip or top soil to prevent desiccation.

Arboricultural Supervision

The arboricultural consultant will be required to attend site to directly supervise all demolition and construction works that have to be undertaken within the root protection areas. This will include:

1. Pre-commencement site meeting.
2. Location of protective measures.
3. Supervised demolition of structures, hard surfacing, kerb edging and foundations within or adjacent to RPAs of retained trees.
4. Any excavations within or adjacent to RPAs, including foundations, hard surfacing or underground services.
5. Sign off of demolition phase.

Arboricultural Method Statement

Please refer to Arbtech Consulting Ltd. Tree Schedule and Arboricultural Method Statement, for full details on all surveyed trees and how all aspects of the the development maybe implemented without detriment to retained trees.

Tree Protection Area

KEEP OUT

Do **not** move this fence

(TOWN & COUNTRY PLANNING ACT 1990)

TREES ENCLOSED BY THIS FENCE ARE PROTECTED BY PLANNING CONDITIONS
AND/OR ARE THE SUBJECT OF A TREE PRESERVATION ORDER.
CONTRAVENTION OF A TREE PRESERVATION ORDER MAY LEAD TO CRIMINAL
PROSECUTION

ANY INCURSION INTO THE PROTECTED AREA MUST BE WITH THE WRITTEN
PERMISSION OF THE LOCAL PLANNING AUTHORITY

ARBTECH
Consulting Limited

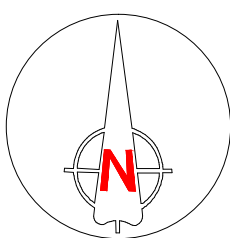
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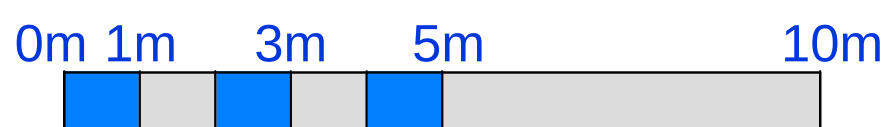
Tree Work Schedule

No.	Species	Works	Category
2	Silver birch	Crown reduce NE 1/4 canopy to provide 2m clearance from dwelling	B ₁
3	Magnolia	Crown reduce NE canopy back to boundary	C ₁
4	Apple	Fell to ground level; grind out stump	C ₁
6	Elder	Fell to ground level; grind out stump	U
13	Sycamore	Crown lift S canopy to 4m above GL	C ₁

All tree work is to be undertaken in accordance with British Standard BS 3998:2010 Tree work - Recommendations.

All arisings are to be removed and the site is to be left as found.

Care is to be taken of the ground around retained trees to make sure that it does not become compacted as a result of tree surgery operations. No equipment or vehicles such as timber lorries, tractors, excavators or cranes shall be parked or driven beneath the crowns of any retained trees, to prevent subsequent compaction and root death.



Protective fencing

Ground boarding

Protective fencing

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ARBTECH
Consulting Limited

Project: 15a Parliament Hill,
London,
NW3 2SY.

Client: Miss K. Woollacott

Drawing:

Tree Protection Plan

Based on:
Gr 000Pground & B P0 0-1 bsmnt

Drawing No:	Rev:
Arbtech TPP 01 (Demolition)	

Date:	Scale:	Drawn:
Dec 2014	1:100 @ A1	MGM

Key:					
Tree Nos.:	1	Tree Canopies:		Trunks:	
RPA's:		Category 'A' trees:		Category 'B' trees:	
Category 'C' trees:		Trees to be removed:	4 	Existing site:	
Protective fencing:		Trunk protection:		Ground boarding:	

All dimensions should be checked on site. No dimensions are to be scaled from this drawing. Please notify us of any discrepancies found. Arbreach Consulting Ltd. cannot be held responsible for inaccuracies in the base drawing in which this plan is based. This drawing is designed to reflect the principles of the layout or design only, and relates only to the protection of retained trees.

This drawing is not to be read as a definitive part of the engineering or construction designs or method statement. An architect or structural engineer should be contacted over any matters of construction, detailing or specification and for any standards or regulatory requirements relating to proposed structures, hard surfacing or underground services.

This drawing was produced in colour - a monochrome copy should not be relied upon.

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