

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

Unit 1, The Mill House, The Mill Lane, Chester, CH4 1DT

01244 881179

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 hoarding; or a 2.3m high scaffolding framework comprising 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-climb welded mesh panels are to be securely fixed to each other with at least two scaffold clamps and to the scaffold framework with wire.

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 from inside the fence. The panels should be supported on the inner side by stabilizer struts, which should be attached to a 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".

Ground Protection

The existing hard surfacing located within the RPA of T01 & T02, as depicted in the tree protection plan (Arbtech TPP 01), should be retained for the duration of the project. If this is removed, it will be done so under direct arboricultural supervision and replaced with suitable ground protection, capable of withstanding the likely loading for the site.

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 alternative system (e.g. proprietary system 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.

For situations other than those described in a) or b), the ground boarding is to be designed by a suitably qualified person to an engineering specification in conjunction with arboricultural advice, to be able to support the expected loading to be placed upon it.

In all cases, the objective of the ground boarding is to avoid compaction of the soil beneath, so that tree root function remains unimpaired.

Supervised Excavation

All excavations within and immediately adjacent to RPAs are to be undertaken under direct on-site arboricultural supervision.

Any roots that are to be cut will be cleanly severed by the project arboriculturist using a suitable hand saw or secateurs. The edge of all excavation closest to the retained trees will be covered over with damp hessian to prevent drying out, and where necessary be shuttered to prevent soil collapse or contamination by concrete.

If appropriate soil beneath the depth of the excavation may be sheet piled, regular piled or have individual piles installed.

Manual excavation:

Excavations within the RPAs will be initially undertaken by hand under direct on-site arboricultural supervision to a minimum of 800mm deep (to be confirmed by the project arboriculturist), whether its is for proposed foundations, hard surfacing or underground services. The soil is to be loosened with the use of a fork or pick and or air-spade and then cleared with a shovel and or the aid of an air-spade and air-vac.

Mechanical excavation:

Excavation within the RPAs will consist of a mixture of mechanical and manual excavation.

Where an excavator is used it will be fitted with a suitably sized toothless grading bucket; using a grading / scrapping motion rather than digging. During each motion the excavator will not be permitted to removing no more than 10 - 20mm deep of soil in any one pass. If any roots are discovered, mechanical excavation will immediately be stopped and manual excavation will take over to expose the root. Upon the root being uncovered and either severed or protected the excavations can then continue.

Any excavator or other machinery that is to be used will be situated outside of the RPAs of all retained trees or on top of a suitable ground protection.

Where an excavator or any other machinery is to be used within RPAs or beneath canopies the project arboriculturist will clearly instruct the operator about what they want and expect to happen prior to any works may commence.

**Arboricultural Supervision:**

Manual excavation along the cyan line, to the depth of the proposed foundations. Soil is to be loosened and carefully removed. If is unlikely that roots will be discovered as there are already foundations sited in this area. However, any roots present will be cleanly severed by the project arboriculturalist. Damp hessian will be used to cover the exposed trench edge to prevent desiccation of the exposed roots. The remainder of the proposed foundation area can then be excavated.

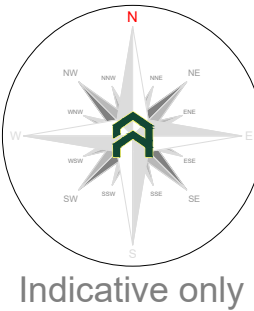
**Note:**

A detailed method statement has been provided by the project engineer, including cross-sectional drawings. The main arboricultural points of consideration are the supervised excavation and the lining of the trench to prevent concrete leaching into the soil.

Protective fencing

**Ground protection:**

The existing hard surface will be retained to act as ground protection within the RPAs of retained trees T01 & T02 for the duration of the development. If removed this should be done under direct arboricultural supervision and replaced with temporary ground boarding.



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 excavation and removal of the existing wall foundations within the RPAs of tree T01 & T02.

4. Any demolition and or excavations within or adjacent to RPAs, including foundations, hard surfacing or underground services (a non-exhaustive list).

5. Arboricultural sign off and removal of protective measures.

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 development may be implemented without detriment to retained trees.

arbtech

Project:

86 Southwood Lane  
London  
N6 5SY

Client:

Andrew Ardill

Drawing:

Tree Protection Plan

Based on:

DWG-02

Drawing No:

Arbtech TPP 02

Rev:

Date:

Oct 2022

Scale:

1:100 @ A1

Drawn:

AJN

Key:

|                     |     |                      |  |                      |     |
|---------------------|-----|----------------------|--|----------------------|-----|
| Tree Nos.:          | T01 | Tree Canopies:       |  | Trunks:              |     |
| RPAs:               |     | Category 'U' trees:  |  | Category 'A' trees:  |     |
| Category 'B' trees: |     | Category 'B' groups: |  | Category 'C' trees:  |     |
| Existing Site:      |     | Proposed Site:       |  | Trees to be removed: | T08 |
| Protective fencing: |     |                      |  |                      |     |

All dimensions should be checked on site. No dimensions are to be scaled from this drawing. Please notify us of any discrepancies found. Arbtech 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.

© Arbtech Consulting Ltd. 2021