### 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 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 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-resisiatnt 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.

#### Manual Excavation



Excavation within the RPAs will be initially undertaken by hand under direct on-site arboricultural supervision to a minimum of 600mm deep of any excavation, whether for proposed foundations, hard surfacing or underground services. The soil is to be loosened with the use of a fork or pick and then cleared with the aid of an air-spade and air-vac. All roots to be cut will be cleanly severed with the use of a hand saw or secateurs. The edge of the 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 600mm may be sheet piled, tegular piled or individual piles. Any deeper excavations may be undertaken by a machine provided it works form outside of the RPA or has appropriate ground protection in place to move and work upon.

# 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 start meeting.

- 2. Location of protective measures.
- 3. Supervised demolition of structures, hard surfacing, kerb edging and foundations within RPAs of trees nos. 1 6.
  4. Manual excavation for sheet piling and foundations within RPAs of
- tree nos.1 5.

  5. Any excavations within or adjacent to RPAs, including foundations,

5. Any excavations within or adjacent to RPAs, including foundation hard surfacing or underground services.6. 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 the development maybe implemented without detriment to retained trees.

# Tree Protection Area KEEP OUT

## Do not move this fence

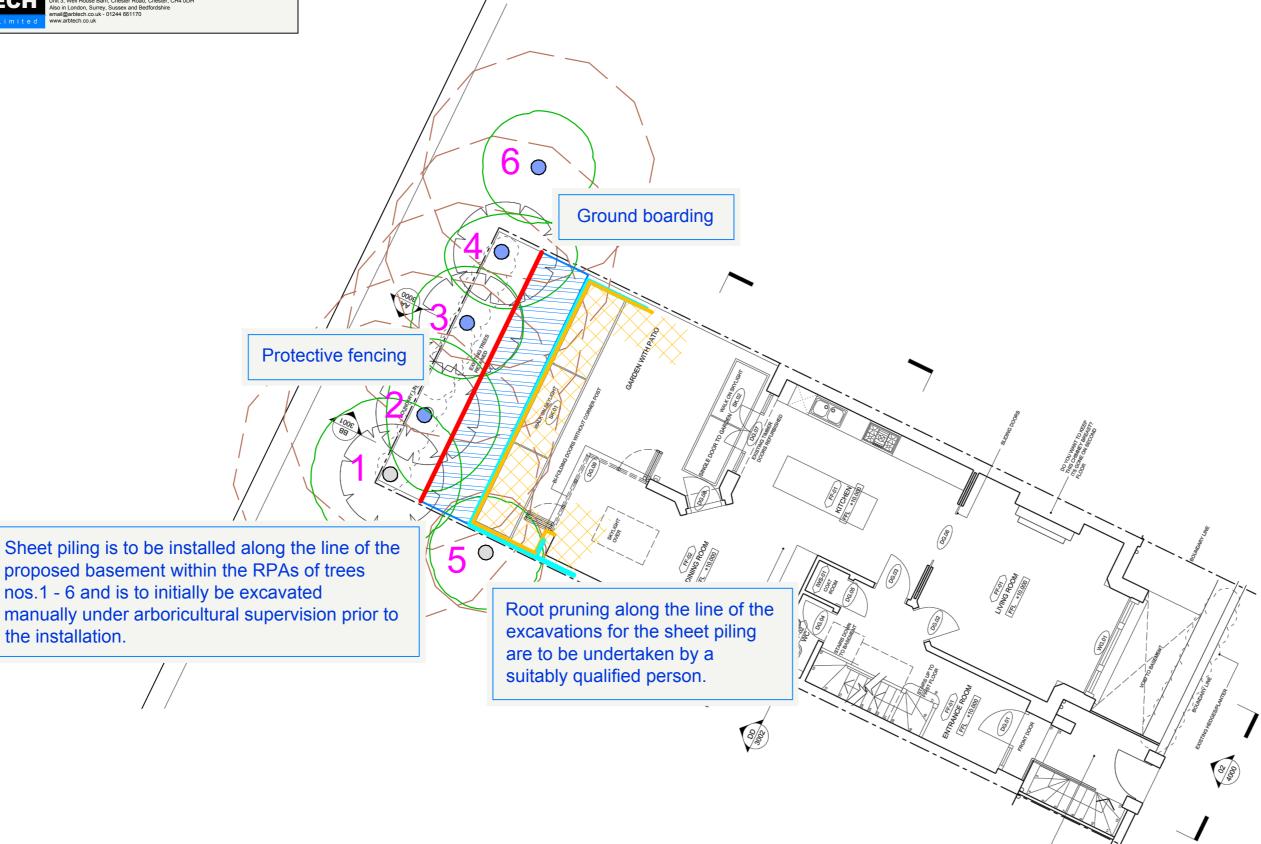
(TOWN & COUNTRY PLANNING ACT 1990)

TREES ENCLOSED BY THIS FENCE ARE PROTECTED BY PLANNING CONDITIONS
AND/OR ARE THE SUBJECT OF A TREE PRESERVATION ORDER.

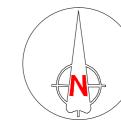
CONTRAVENTION OF A TREE PRESERVATION ORDER MAY LEAD TO CRIMINAL
PROSECUTION

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

ARBIEGH
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email@arbitech.co.uk - 012







## Tree Categories

Trees are categorised in accordance with the cascade chart in Table 1 of the British Standard BS 5837:2012 'Trees in relation to design,

demolition and construction - Recommendations'

Category 'U' - Trees in such condition that they cannot realistically be

retained as living trees in context of the current land use for longer than 10 years.

ategory 'A' - Trees of high quality with an estimated remaining life expectancy of at least 40 years.

egory 'B' - Trees of moderate quality with an estimated remaining life expectancy of at least 20 years.

ategory 'C' - Trees of low quality with an estimated remaining life expectancy of at least 10 years, or young trees with a stem diameter below 150mm.



#### Root Protection Area

In order to avoid damage to the roots or rooting environment of retained trees, the Root Protection Areas (RPAs) should be plotted around each of the category A, B and C trees. This is a minimum area in m² which should be left undisturbed around each retained tree.

The RPA is calculated using the British Standard BS 5837:2012 'Trees in relation to design, demolition and construction - Recommendations.

The calculated RPA is capped to 707m², which is the equivalent to a circle with a radius of 15m. Where there appears to be restrictions to root growth the root protection area is reshaped to more accurately reflect the likely distribution of the roots.

#### Arboricultural Impacts Addressed

No.	Species	Proposed structure	Incursion
1	Common lime	Basement	RPA
2	Common lime	Basement	RPA
3	Common lime	Basement	RPA
4	Common lime	Basement	RPA
5	Bay	Basement	RPA



## Consulting Limited

Project:

56 Howitt Road, London, NW3 4LT.

Client:

Mr A. Nooriala

Drawing

Tree Protection Plan

Based on:

WD2000

Arbtech TPP 01

Date: Scale: Apr 2016 1:100 @ A2

7.00 @

1 Tree Canopies:

Drawn:

AST

RPAs:

Category
'B' trees:

Protective fencing:

Ground boarding:

t ing:

Please notify us or any discrepancies found. Arotech Consulting Ltd. cannot be neid responsible for inaccuracies 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 speed as a definition and of the contention or construction designs or matter detections.

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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