



### Protective Fencing

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

Size: 2.4m high. To consist 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 RPAs of trees T2 & T3, 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:

- 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;
- for pedestrian or light construction plant up to a gross weight of 2t, proprietary interlocked ground protection boards placed on top of a compression-resistant layer (e.g. 150mm depth of woodchip), laid onto a geotextile membrane;
- for wheeled or tracked construction traffic exceeding 2t 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 root function remains unimpaired.

### Foundations within RPAs

Piles to be installed under arboricultural supervision for the proposed dwelling foundations. This system will greatly reduce the impact of the dwelling on the RPA of the retained trees, leaving the pile diameter as the only impact.

Where piling is to be installed near to trees, the smallest possible pile diameter should be used, as this will reduce the risk of striking major tree roots, and reduce the size of the rig required to sink the piles. If a piling mat is required, this should conform to the parameters for ground boarding. Use of the smallest practical piling rig is also important where piling within the branch spread is proposed, as this can reduce the need for access facilitation pruning.

This information is compliant with British Standard BS5837:2012 Trees in relation to design demolition and construction - Recommendations, section 7.5 Special engineering for foundations within the RPA.

### Ground protection: Temporary ground boarding

### Protective fencing

Indicative only  
G1

Arboricultural Impacts	
Impacts	Nos. of trees
Trees to be removed	0
Groups / Hedges to be removed (Partial removal of groups)	0 (0)
Trees with proposed incursions into RPAs	1
Groups / Hedges with proposed incursions into RPAs	0
Trees that will require pruning	0
Groups / Hedges that will require pruning	0
Trees to be transplanted	0
Groups / Hedges to be transplanted	0

No.	Species	Proposed structure	Incursion
T2	London Plane	Extension	

### Arboricultural Impacts - RPAs (Area)

No.	Species	RPA (m <sup>2</sup> )	Incursion (m <sup>2</sup> %)
T2	London Plane	547.4	47.8 8.7

### Arboricultural Supervision

The supervisor or contractor 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:

- Pre-commencement site meeting.
- Location of protective measures.
- Supervised excavations for pile locations within the RPA of tree T2.
- Any demolition or excavations within or adjacent to RPAs, including any hard surfacing or underground services (a non-exhaustive list).
- 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 maybe implemented without detriment to retained trees.

**Arboricultural supervision:**  
Manual excavation for the installation of piled foundations within the RPAs of retained tree T2. Pile design is to be provided by the project engineer. Trial holes will be dug to a depth of 600mm. If roots in excess of 25mm diameter will be impacted, the pile position will be relocated.



Project:  
3 Highbridge Industrial Estate,  
Oxford Road,  
Uxbridge,  
Middlesex,  
UB8 1LX

Client:  
ARRI Rental UK

Drawing:  
Tree Protection Plan

Based on:  
112

Drawing No:  
Arbtech TPP 01

Date:  
July 2022

Scale:  
1:100 @ A1

Drawn:  
AJN

Key:

Tree Nos.	T1	Tree Canopies:		Trunks:	
RPAs:		Category 'B' trees:		Category 'B' groups:	
Category 'C' trees:		Category 'C' groups:		Existing Site:	
Proposed:		Protective fencing:		Ground boarding:	
Arboricultural supervision + Excavations:					

No dimensions are to be quoted on site. All dimensions are to be quoted from the drawing. Please notify us of any discrepancies found. Arbtech Consulting Ltd. cannot be held responsible for inaccuracies in the base drawing in respect of the layout of the layout or design only, and relates only to the protection of retained trees. The drawing is intended to reflect the principles of the layout or design only, and relates only to the protection of retained trees. An architect or structural engineer should be contacted over any matters of construction, detailing or specification and for any structural calculations. An arboricultural engineer should be contacted over any matters of arboriculture and for any advice on the protection of retained trees. Any work to trees must be carried out by a qualified arborist or arboricultural service. This drawing was produced in colour - a monochrome copy should not be relied upon.

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