

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.
- Category 'A' - Trees of high quality with an estimated remaining life expectancy of at least 40 years.
- Category 'B' - Trees of moderate quality with an estimated remaining life expectancy of at least 20 years.
- Category '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
T01	Hazel	Garden room	RPA
T02	Ash	Garden room	RPA
T03	Ash	Garden room	RPA

Tree Work Schedule

No.	Species	Works	Category
T01	Hazel	Prune canopy to give 0.5m clearance from proposed garden room	C1
T02	Ash	Prune canopy to give 0.5m clearance from proposed garden room	B1
T03	Ash	Prune canopy to give 0.5m clearance from proposed garden room	B1

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

No. of individual trees to be removed

U	A	B	C
0	0	0	0

No. of groups / hedges to be removed

U	A	B	C
0 (0)	0 (0)	0 (1)	0 (0)

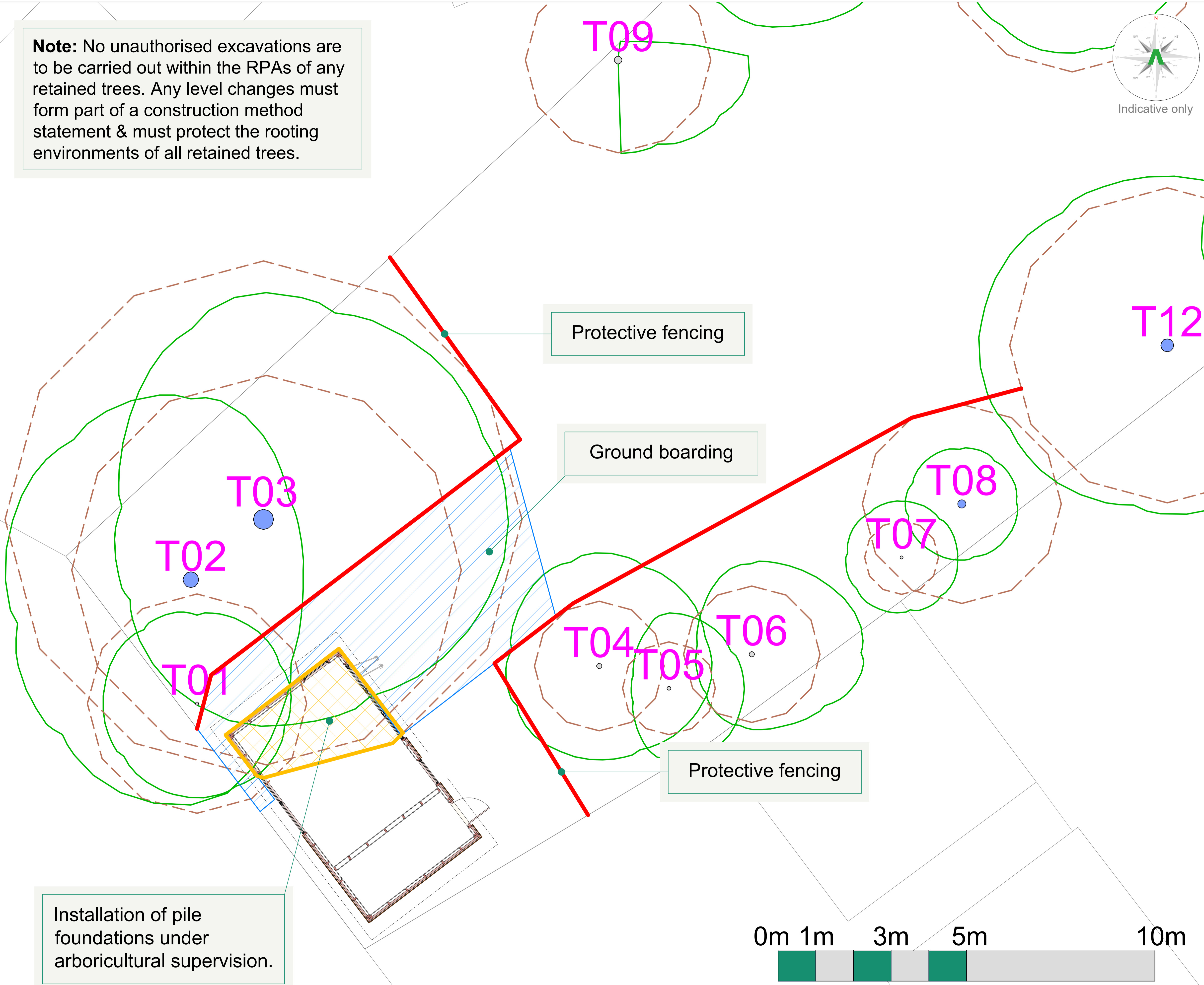
() = Partial removal of a group

Arboricultural Method Statement

All tree work is to be undertaken in accordance with British Standard BS3998. Please refer to Arbtch Consulting Ltd. Tree Schedule, Arboricultural Method Statement and Tree Protection Plan, for full details of all surveyed trees and how all aspects of the development may be implemented without detriment to retained trees.

Note: No unauthorised excavations are to be carried out within the RPAs of any retained trees. Any level changes must form part of a construction method statement & must protect the rooting environments of all retained trees.

Installation of pile foundations under arboricultural supervision.



Protective Fencing

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

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!"

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

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;

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 Pile Foundation Installation

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 & location of protective measures.
2. Supervised installation of screw-pile foundations within the RPAs of tree nos. T01, T02 and T03.
3. Any demolition and/or excavations within or adjacent to RPAs, including foundations, hard surfacing or underground services (a non-exhaustive list).

Project: Croft House, High Street, Guilden Morden, Herts, SG8 0JP

Client: Mr Mike Allton

Drawing: Tree Protection Plan

Based on: 3986 - Proposed Site Plan

Drawing No: Arbtch TPP 01

Date: Dec 2023 **Scale:** 1:50 @ A1 **Drawn:** AST

Key:

Tree Nos.:	T01	Tree Canopies:	Trunks:
RPAs:	Category 'B' trees:	Category 'C' groups:	
Category 'C' trees:	Proposed garden room:	Protective fencing:	
Ground boarding:	Arboricultural supervision - Excavations:		

All dimensions should be checked on site. No dimensions are to be scaled from this drawing. Please notify us of any discrepancies found. Arbtch 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 design 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. The drawing was produced in colour - a monochrome copy should not be relied upon.