

**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.

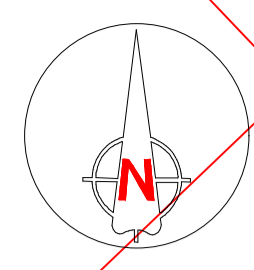
Category 'C' - Trees of low quality with an estimated remaining life expectancy of at least 10 years, or young trees with a stem diameter below 150mm.

**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 m<sup>2</sup> 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 707m<sup>2</sup>, 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	
Impacts	Nos. of trees
Trees to be removed	0
Groups to be removed	0
Trees with proposed incursions into RPAs	2
Groups with proposed incursions into RPAs	0
Trees that will require pruning	0
Groups that will require pruning	0

Arboricultural Impacts			
No.	Species	Proposed structure	Incursion
T22	Common oak	Physiotherapy Pool Room	3.5% of RPA
T23	Common oak	Physiotherapy Pool Room	4.3% of RPA

No. of individual trees to be removed			
U	A	B	C
0	0	0	0

No. of groups to be removed			
U	A	B	C
0	0	0	0

**Arboricultural Method Statement**

All tree work is to be undertaken in accordance with British Standard BS 5837:2012. Please refer to Arblech 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.

**Arboricultural Supervision**

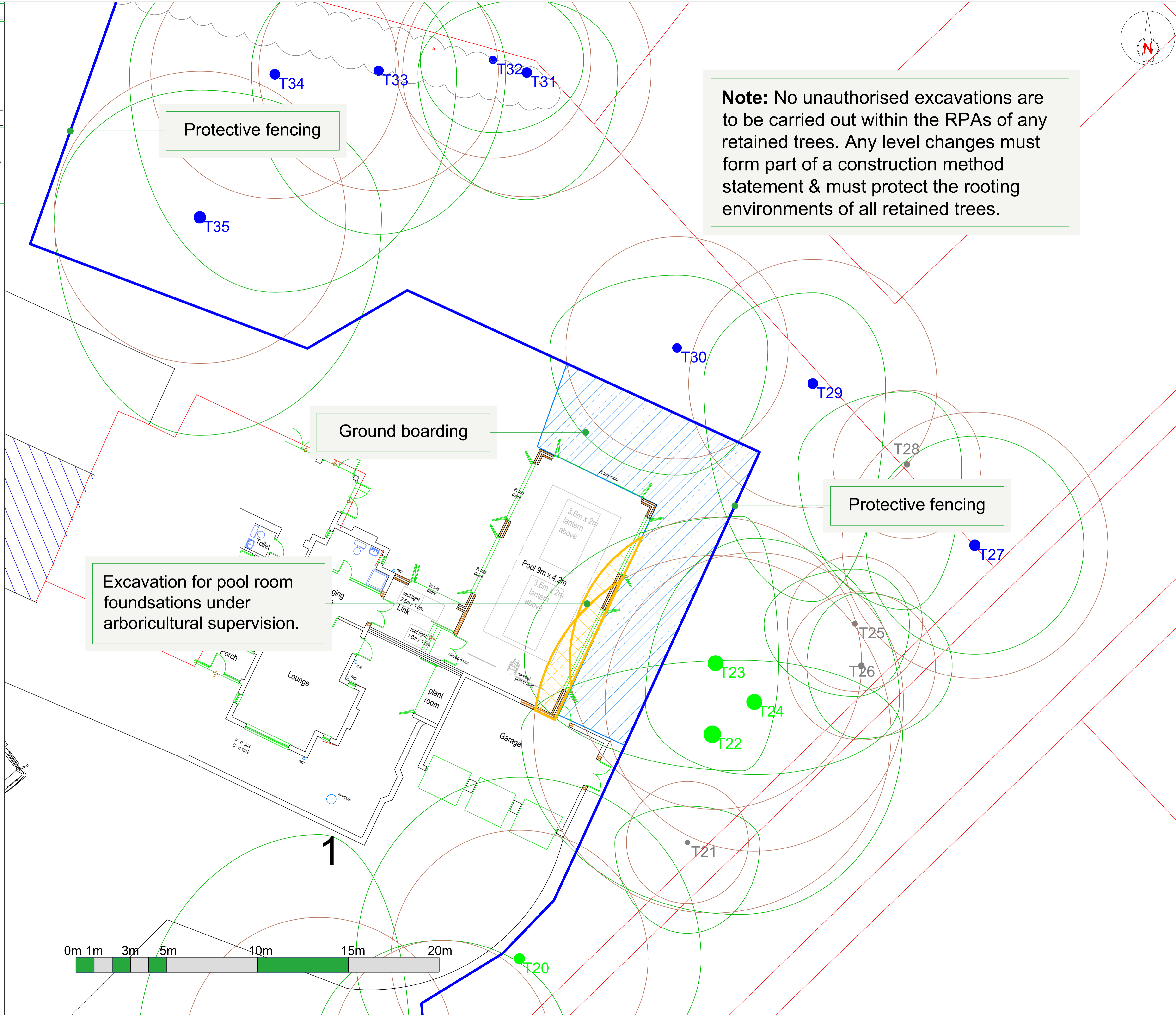
The arboricultural consultant will be required to attend site to directly supervise all demolition and construction works that have to be undertaken within the root protection areas. This will include:

1. Location of protective measures.
2. Excavations for pool room within the RPAs of trees T22 & T23.
3. Any excavations within or adjacent to RPAs, including foundations, hard surfacing or underground services.
4. Removal of protective measures and sign off.

**Arboricultural Method Statement**

Please refer to Arblech 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.

**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.



**ARBTECH**

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Project: **Physiotherapy Pool Room**  
 Tennial House,  
 Roman Road,  
 Sutton Coldfield,  
 B74 3AA

Client: **G&G Building Consultancy Ltd.**

Drawing: **Tree Protection Plan**

Based on: **G002770/07C**

Drawing No: **Arblech TPP 01**

Date: **Oct 2021** Scale: **1:100 @ A0** Drawn: **AST**

**Key:**

Tree Nos.:	T1	Tree Canopies:	Trunks:
RPAs:	Category 'A' trees:	Category 'B' trees:	Category 'C' trees:
Category 'C' trees:	Protective fencing:	Ground boarding:	Supervised excavation:

All dimensions should be checked on site. No dimensions are to be scaled from this drawing. Please verify all dimensions before construction. Arblech Consulting Ltd. cannot be held responsible for inaccuracies in the base drawing on 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. This drawing was produced in colour - a monochrome copy should not be relied upon. © Arblech Consulting Ltd. 2021