

Arboricultural Method Statement

BE-459.1

108 Lower Wellhouse Road



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Site address	108 Lower Wellhouse Road, Wellhouse, Huddersfield HD7 4ES
Grid reference	SE 09475 15087
Report compiled by	David Watts BSc (Hons) FdSc MArborA
Client	Ellie Finn
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1. Background

- 1.1. Bagshaw Ecology Ltd have been requested by Heppenstall Architects, on behalf of Ellie Finn, to produce an Arboricultural Method Statement for the site at 108 Lower Wellhouse Road, Huddersfield HD7 4ES.
- 1.2. The locations of trees on the site, their crown spreads and their diameter at breast height (DBH) has been recorded by Andrew Coldwell of Heppenstalls. No site visit has been undertaken by Bagshaw Ecology.
- 1.3. The using the DBH measurements supplied by Heppenstalls, the root protection areas (RPAs) of trees have been calculated, in accordance with British Standards (2012)¹. The RPAs of trees have been plotted on a Tree Protection Plan, which can be viewed in Appendix 1.

2. Timing of Works

- 2.1. The phasing of works should be carried out in accordance with Table 1, below.

Table 1: Timing of Works

Stage	Works
1	Site induction
2	Carry out tree removal works
3	Install tree protection fencing and ground protection
4	Carry out construction works
5	Remove tree protection when works completed

3. Site Induction

- 3.1. Prior to works commencing, all contractors should be briefed on trees within the site and their root protection areas during a site induction. This method statement and a copy of the Tree Protection Plan (see Appendix 1) should be issued to all contractors working on the site.

4. Tree protection Fencing

- 4.1. Prior to machinery entering the site, it will be necessary to ensure that all trees on the site are adequately protected. A tree protection plan can be viewed in Appendix 1: Tree Protection Plan. Note that there is no access to the trees from within the garden except through the building, therefore the proposed tree protection fencing is only required between the building and T2 and T6.

¹ British Standards (2012). *BS5837: 2012 – Trees in relation to Design, Demolition and Construction: Recommendations*. London: British Standards Institute

- 4.2.** Tree protection fencing should consist of a vertical scaffold framework, well braced to resist impacts. The vertical poles should be spaced at a maximum interval of 3m and driven securely into the ground. Onto this framework, welded mesh panels should be fixed (see figure 4.1, below). Laminated waterproof A3 signs should be fixed securely to fencing panels on each enclosure at 9m intervals. The signs should clearly read: ‘Protected Tree Zone, no storage or operations within fenced off areas’.
- 4.3.** No materials that are likely to have an adverse effect on tree health, such as oil, bitumen or cement should be stored within the protective fencing. Where possible this area should be extended to 10m away from the fencing. Where there is a risk of polluted water runoff into RPAs, heavy duty plastic sheeting and sandbags must be used to contain any spillages and prevent contamination. No fires should be lit within 20 metres of the protective fencing.
- 4.4.** If any breach in the tree protection measures occurs it is the site manager’s responsibility to report this to an arboricultural consultant so the appropriate measures may be taken.
- 4.5.** Once the construction works have been completed, the tree protection fencing may be removed. This should be done with care to ensure that no damage to trees is caused.

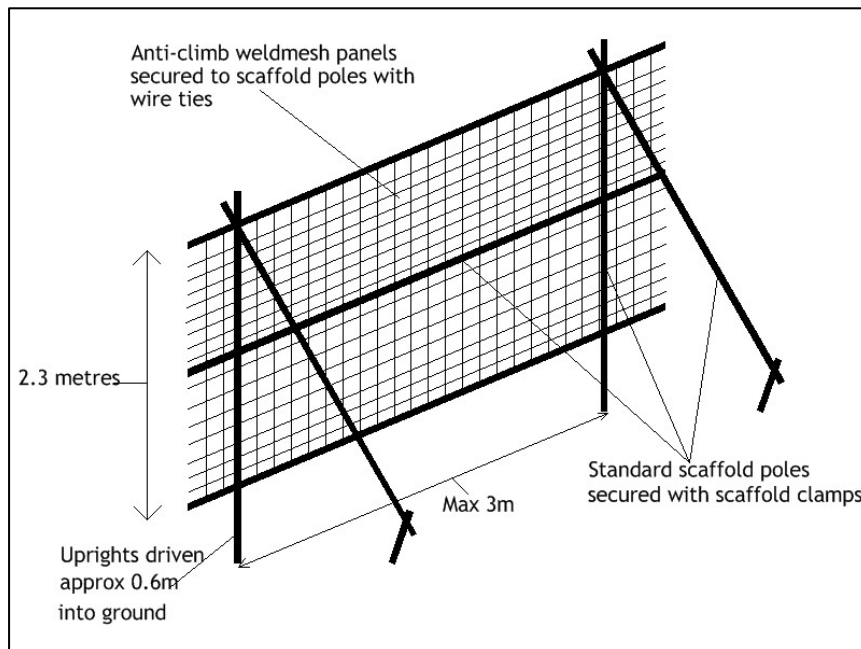


Figure 1: Temporary Protective Fencing

5. Ground protection

- 5.1.** Temporary ground protection should be installed within the RPA of T6. This should consist of three layers:
- A geotextile membrane laid over soil and tree roots.
 - A compressive layer of woodchip, 150mm in depth.
 - Inter-linked scaffold boards.

No vehicles over two tonnes in gross weight should be driven over the ground protection.

6. Works Within Root Protection Areas

- 6.1.** The existing building is within the RPA and crown spread of T6. Provided no further excavation is required, works to the existing building are not considered to be of detriment to this tree.
- 6.2.** The proposed extension to the building will require excavation within a small area of the RPA of T6. T6 has an RPA of 136.9m². Approximately 1.2m², less than 1% of the total RPA will be affected. Due to the small proportion of the RPA affected, this is not considered to be of detriment to the tree.
- 6.3.** If any hard standing surfaces are to be removed within RPAs, this should be done so with hand-held pneumatic tools.

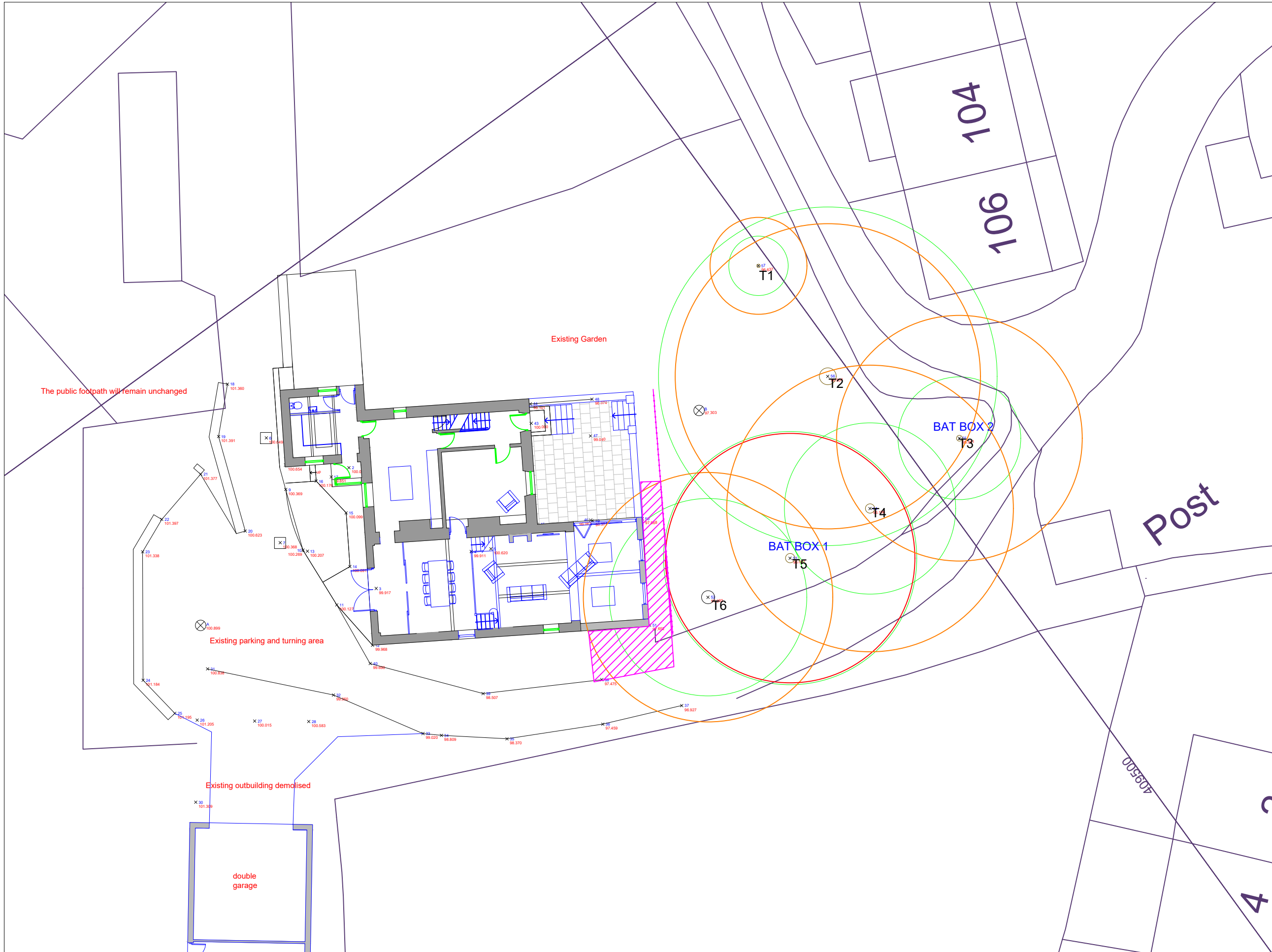
7. Works Within Crown Spreads

- 7.1.** As the crown spread of T6 overlaps the existing building, it will be necessary to work within the crown spread of this tree. Great care should be undertaken when working within the crown spreads of trees. Use of heavy machinery with booms or counterweights within this area should be avoided.

8. Legislation




- 8.1.** A search on the website of Kirklees Council (Kirklees, 2017²) found that the site is within Wellhouse Conservation Area. As such, all trees within this area are afforded protection, and no works should be carried out on trees without consent from the local authority. Killing or damaging a protected tree is a criminal offence, and can result in an unlimited fine.

² Kirklees Council (2017). *Tree Preservation Orders* [online]. Available at: >www.kirklees.gov.uk< [accessed 16th February 2017]



Appendix 1: Tree Constraints Plan	
Project:	Lower Wellhouse Road
Drawn by:	David Watts
Date:	17th February 2017
Scale:	1:200 @ A3

Do not scale off this drawing

Key:	
	Root protection area (RPA) Tree number & species
	Tree protection fencing - to remain in place throughout development proposals
	Ground protection - to remain in place throughout development proposals

