

GHA Trees  
Violets Barn  
Mill Lane  
Lower Beeding  
RH13 6PX



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**BS5837:2012 TREE SURVEY AND  
ARBORICULTURAL IMPACT ASSESSMENT:  
Pascotts Farm, Snowdrop Lane, Lindfield, RH16 2QE**

Dated: 9<sup>th</sup> May 2025

Our reference: GHA/DS/160444:25

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# Arboricultural Impact Assessment

Location: Pascotts Farm, Snowdrop Lane, Lindfield, RH16 2QE

Our reference: GHA/DS/160444:25

Client: Gould Baxter

Dated: 9<sup>th</sup> May 2025

Prepared by: Glen Harding MICFor, MSc (Forestry), MArborA

Date of Inspection: 8<sup>th</sup> May 2025

## **Instructions**

**Issued by – Gould Baxter**

**TERMS OF REFERENCE – GHA Trees were instructed to survey the subject trees within and adjacent to Pascotts Farm, Snowdrop Lane, Lindfield, in order to assess their general condition and to provide a planning integration statement for the indicative proposed development that safeguards the long term wellbeing of the retained trees in a sustainable manner.**

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## **Executive Summary**

The proposal for the site is to construct two new detached dwellings to the south east of the existing house, both accessed directly from the public highway. The proposed scheme requires the removal of a small number of trees; however, the development presents an excellent opportunity to plant some new trees, to enhance the site and local area for the future. The retained trees require protection in accordance with industry best practice and BS 5837: 2012 – Trees in relation to design, demolition and construction – recommendations, in order to ensure their longevity.

## **Documents Supplied**

The client supplied the following documents:

- Topographical survey
- Existing layout plans
- Proposed layout plans

## **Scope of Survey**

- 1.1 The survey is concerned with the arboricultural aspects of the site only.
- 1.2 The planning status of the subject property was not investigated in detail.
- 1.3 A qualified Arboriculturist undertook the report and site visit and the contents of this report are based on this. Whilst reference may be made to built structure or soils, these are only opinions and confirmation should be obtained from a qualified expert as required.
- 1.4 Dense vegetation or climbers (such as ivy) also prohibited full inspections for some trees; this is noted where applicable.
- 1.5 No discussions took place between the surveyor and any other party.
- 1.6 The trees were inspected on the basis of the Visual Tree Assessment method expounded by Mattheck and Breleor (The body language of tree, DoE booklet Research for Amenity Trees No. 4, 1994)
- 1.7 The survey was undertaken in accord with British Standard 5837: 2012 – Trees in relation to design, demolition and construction – recommendations.
- 1.8 The client's attention is drawn to the responsibilities under the Wildlife and Countryside Act (1981).

## **Survey Method**

- 2.1 The survey was conducted from ground level with the aid of binoculars if needed.
- 2.2 No tissue samples were taken nor was any internal investigation of the subject trees undertaken.
- 2.3 No soil samples were taken.
- 2.4 The height of each subject tree was estimated using a clinometer and recorded to the nearest half metre.

- 2.5 The stem diameter for each tree was measured in line with the requirements set out in BS 5837: 2012 – Trees in relation to design, demolition and construction – recommendations.
- 2.6 The crown spreads were measured with an electronic distometer and recorded to the nearest half metre. Where the crown radius was notably different in any direction this has been noted on the Plan (appendix A) and within the tree table (Appendix B). The crowns of those trees that are proposed for removal, or trees where the crown spread is deemed insignificant in relation to the proposed development are not always shown on the appended plan; however their stem locations are marked for reference.
- 2.7 The Root Protection Area (RPA) for each tree is included in the tree table, both as an area, and as the radius of a circle.
- 2.8 The crown clearance was measured using a clinometer and recorded to the nearest half metre. Where it is significantly lower in one direction, this is noted within the tree table at appendix B.
- 2.9 All of the trees that were inspected during the site visit are detailed on the plan at Appendix A; this plan was produced in colour and **MUST** only be scanned or reproduced in colour. The trees on this plan are categorised and shown in the following format:

#### COLOUR CODING AND RATING OF TREES:

Category A – Trees of high quality with an estimated remaining life expectancy of at least 40 years. Colour = light green crown outline on plan.

Category B – Trees of moderate quality with an estimated remaining life expectancy of at least 20 years. Colour = mid blue crown outline on plan.

Category C – Trees of low quality with an estimated remaining life expectancy of at least 10 to 20 years, or young trees with a stem diameter below 150mm. Colour = uncoloured crown outline on plan.

Category U – Those in such a condition that they cannot realistically be retained as living trees in the context of the current land use for longer than 10 years. Colour = red crown outline on plan.

All references to tree rating are made in accordance with BS 5837: 2012 – Trees in relation to design, demolition and construction – recommendations’, Table 1.

## **The Site**

- 3.1 The site is located on Snowdrop Lane, a through road located to the south of Lindfield.
- 3.2 Access to the property is currently gained via a driveway to the front of the site.

## **The Subject Trees**

- 4.1 The details of the subject trees are set out in the Schedule at Appendix B.
- 4.2 Of the fifteen individual trees and groups of trees surveyed, four have been assessed as BS 5837 category A, five have been assessed as BS category B, with the remaining trees being assessed as BS 5837 category C.

|            |                  |
|------------|------------------|
| Category A | 4 trees          |
| Category B | 5 trees / groups |
| Category C | 6 trees / groups |

## **The Proposal**

- 5.1 The proposal for the site is to construct two new detached dwellings to the south east of the existing house, both accessed directly from the public highway.
- 5.2 The proposed location of the above structures can be seen on the appended plan.

## **Arboricultural Impact Assessment**

### **PROPOSED TREE REMOVAL:**

- 6.1 G11 and G12 are proposed for removal as part of the new development, as these specimens could not be effectively retained as they are located within the outline of the new structures.
- 6.2 The assessed grading (as per BS5837 table 1) of each of the trees / groups to be removed, as well as any relevant comments on their condition can be seen in the tree table at appendix B.

### **TREE PRUNING TO ACCOMMODATE THE PROPOSAL OR ACCESS TO THE SITE**

- 6.3 There is a slight overhang of the new access points from the crowns of T3 and G13. These trees will therefore be pruned to improve access to the site and

facilitate improved access for site works. A full specification for the proposed pruning to each tree can be seen in the tree table at appendix B.

- 6.4 The proposed tree work is assessed to be minor and will not adversely impact the health or amenity value of these trees.

#### ASSESSMENT OF RETAINED TREES ROOT PROTECTION AREAS

- 6.5 Section 4.6.3 of BS 5837: 2012 states that the Root Protection Area (RPA) of each tree should be assessed by an arboriculturalist considering the likely morphology and disposition of the roots, when known to be influenced by past or existing site conditions.
- 6.6 The assessed RPAs (excluding the RPAs of U category trees and those trees which are proposed for removal) can be seen on the appended plan where some have amended to take account of the existing structures.

#### ASSESSED IMPACT ON RPAS BY PROPOSED STRUCTURES

- 6.7 There is a small encroachment into the RPA of T14 for the new garage; this encroachment equates to 5% and is therefore assessed to be within acceptable levels. This is a healthy tree which will tolerate this small amount of root loss and recover quickly.
- 6.8 The proposed new structures are situated outside of the assessed RPAs of all of the other trees proposed for retention, therefore these trees pose no below ground constraints on the new structures or vice versa.

#### INSTALLATION OF SERVICES

- 6.9 The full details of existing and proposed new services have not been made available at the time of writing.
- 6.10 New services must be routed to avoid all RPAs of retained trees on site and within nearby sites. From an assessment of the subject site, undertaken in conjunction with the project architect, there is no reason to assume this isn't possible. Inspection chambers must also be sited outside the RPAs of any nearby trees.

### **Post Development Pressure**

#### FUTURE TREE AND STRUCTURE RELATIONSHIPS

- 7.1 The retained trees are at a satisfactory distance from the proposed new buildings and highly unlikely to give rise to any inconvenience.
- 7.2 Regular inspections of the retained trees by a suitably qualified Arboriculturalist and subsequent remedial works will ensure that the trees are maintained in a suitable manner, to exist in harmony with the new structures and its occupants for many years to come.

## REMEDICATION / REPLACEMENT PLANTING AND SOFT / HARD LANDSCAPING

- 7.3 An assessment of suitable planting sites within the proposed development area confirms that the loss of trees discussed in section 6.1 can be addressed by the planting of new trees that would complement the existing landscape.
- 7.4 Any new trees that are planted should be selected to ensure they do not become a nuisance and that the level of routine maintenance is low.

### **Tree Protection Measures and Preliminary Method Statement for Development Works**

#### 8.1 TREE WORK

A list of all tree works that are required (including trees to be removed) is included in the tree table at Appendix B. Where any tree work is needed, this work **MUST** be in accordance with British Standard 3998 – 2010 (Tree Work - Recommendations).

#### 8.2 TREE PROTECTION BARRIERS

It is essential for the future health of the trees to be retained on site, that all development activity is undertaken outside the root protection zone of these trees. The position of the fence **MUST** be marked out with biodegradable marker paint on site and agreed with appropriate representatives from the LPA and contractor. The fencing **MUST** be erected **prior** to any works in the vicinity of the trees and removed only when all development activity is complete. The protective fencing **MUST** be as that shown in BS 5837 (see Appendix C). The herras panels **MUST** be joined together using a minimum of two anti-tamper couplers which **MUST** be installed so they can only be removed from the inside of the fence. The panels **MUST** supported by stabilizer struts, which **MUST** be installed on the inside and secured to the ground using pins or appropriate weights.

The Fence must be marked with a clear sign reading:

**“Construction Exclusion Zone – No Access”**

#### 8.3 GROUND PROTECTION – LIGHTWEIGHT ACCESS ONLY

Where any additional ground protection is required, these areas **MUST** be covered with a permeable membrane, with 150mm layer of compressible woodchip overlaying it; an 18mm marine ply boards will then be secured on top of the woodchip to allow a 1.5tonne mini-digger to access the area without causing major compaction or soil erosion.



*Above: ground protection make-up*

#### 8.4 BOUNDARY TREATMENTS

Boundary fencing installation / upgrades **MUST** be undertaken as part of the soft landscaping phase and **MUST** be installed ONLY when all machinery that is on site for the main build has permanently left the site (NB. If needed, boundary fencing can also be installed prior to the commencement of site works, i.e.. before any machinery has been brought onto the site). Where sections of new / upgraded fencing are located within the RPA of ANY tree that is to be retained, this work **MUST** be undertaken by hand using hand tools only. The locations of the new fence upright posts will be finalised following trial digs to confirm there are no major (over 25mm) roots present; if any such roots are found, the location must be altered. If any smaller roots are found, these can be cut using sharp hand sharp tools to leave a 'clean' cut, in order to minimise the risk of infection by decay pathogens. The post holes within the RPAs should then be lined with plastic sheeting before any concrete or cement is placed into the hole, in order that there is no risk of leaching into the nearby soil as the mixture dries.

#### 8.5 SITE HUTS, WELFARE FACILITIES AND STORAGE OF EQUIPMENT, MATERIALS AND CHEMICALS

All site huts **MUST** be positioned outside of the retained trees RPAs.

#### 8.6 MIXING OF CONCRETE

All mixing of cement / concrete **MUST** be undertaken outside of the RPA of all of the retained trees.

#### 8.7 INCOMING SERVICES, DRAINAGE AND SOAKAWAYS

New services **MUST** be routed to avoid all RPAs of retained trees on site and within nearby sites. From an assessment of the subject site, undertaken in conjunction with the project architect, there is no reason to assume this isn't possible. Inspection chambers **MUST** be sited outside the RPA.

#### 8.8 ON SITE SUPERVISION

**Regular site supervision is essential to ensure all potentially damaging activities near to trees are properly supervised.** A pre start site meeting **MUST** occur to ensure all parties are aware of their responsibilities relating to tree protection on site; this **MUST** include a site induction for key personnel.

#### 8.9 OTHER TREE PROTECTION PRECAUTIONS

- **NO** fires lit on site within 20 metres of any tree to be retained.
- **NO** fuels, oils or substances which will be damaging to the tree shall be spilled or poured on site.
- **NO** storage of any materials within the root protection zone.

#### 8.10 HARD / SOFT LANDSCAPING NEAR RETAINED TREES

All new pathways and hard landscaping areas within the Root Protection Areas (RPAs) of the retained trees **MUST** be designed using no-dig, up and over construction techniques, and be specified in close co-ordination with the retained Arboriculturalist. Porous materials **MUST** also be used when surfacing near the trees. No machinery will be used for this work, which **MUST** all be done by hand.

#### 8.11 DISMANTLING PROTECTIVE BARRIERS

Protective barriers must only be completely removed when all machinery, and equipment has left site.

## **Conclusion**

- 9.1 In conclusion, a small number of trees will be lost to facilitate the proposed scheme. However, new trees can be planted following approval from the Local Planning Authority to ensure a sustainable tree stock for the future.
- 9.2 Subject to precautionary measures as detailed above, the proposal will not be injurious to trees to be retained.

## **Recommendations**

- 10.1 Site supervision – An individual e.g. the Site Agent, must be nominated to be responsible for all arboricultural matters on site. This person must:
- a. Be present on the site the majority of the time.
  - b. Be aware of the arboricultural responsibilities.
  - c. Have the authority to stop any work that is, or has the potential to cause harm to any tree.
  - d. Be responsible for ensuring that all site personnel are aware of their responsibilities towards trees on site and the consequences of the failure to observe those responsibilities.
  - e. Make immediate contact with the local authority and / or retained arboriculturalist in the event of any related tree problems occurring whether actual or potential.
- 10.2 It is recommended, that to ensure a commitment from all parties to the healthy retention of the trees, that details are passed by the architect or agent to any contractors working on site, so that the practical aspects of the above precautions are included in their method statements, and financial provision made for these.

9<sup>th</sup> May 2025

Signed:



Glen Harding MICFor, MSc (Forestry), MArborA  
For and on behalf of GHA Trees

**Appendix A**  
**TREE PLAN**  
**(see separate PDF)**

## **Appendix B** **TREE TABLE**

| Tree Number | Tree Name (species) | Ht (m) | Calculated Stem Diameter (mm) | Number of Stems | Root Protection Area (Radius, m) | N (m) | E (m) | S (m) | W (m) | Age Class | Clearance (m) | Estimated life expectancy | BS Category | Comments / Recommendations                                                                                                              |
|-------------|---------------------|--------|-------------------------------|-----------------|----------------------------------|-------|-------|-------|-------|-----------|---------------|---------------------------|-------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| T1          | Oak                 | 14     | 600                           | 1               | 7.20                             | 7.5   | 7.5   | 7.5   | 7.5   | M         | 2             | 40+                       | A1          | No significant / notable defects observed during inspection.                                                                            |
| T2          | Walnut              | 9      | 260                           | 3               | 3.12                             | 4     | 4     | 5     | 4.5   | M         | 2 south       | 10-20                     | C1          | Vegetation near base of tree prevented full and detailed inspection. Self set tree of poor form for species; 3 stems from ground level. |
| T3          | Oak                 | 10     | 310                           | 1               | 3.72                             | 3.5   | 2     | 5     | 5     | M         | 1             | 20-40                     | B1          | Poor form as forks at 2.5m. Recommend: crown lift to 5m over access.                                                                    |
| G4          | Hornbeam and hazel  | 8      | 212                           | 2               | 2.55                             | 6     | 2     | 3     | 4     | M         | 1             | 10-20                     | C2          | Scrub / lapsed hedge growth.                                                                                                            |
| T5          | Holly               | 10     | 468                           | 2               | 5.62                             | 5     | 4     | 6     | 4     | M         | 2             | 10-20                     | C2          | Scrub / lapsed hedge growth.                                                                                                            |
| T6          | Oak                 | 9      | 240                           | 1               | 2.88                             | 3     | 2     | 2     | 4     | M         | 1             | 20-40                     | B1          | Future potential.                                                                                                                       |
| G7          | Willow              | 9      | 380                           | 1               | 4.56                             | 5     | 3     | 3     | 2     | M         | 2             | 10-20                     | C2          | Scrub - regrowth from old tree.                                                                                                         |
| T8          | Hornbeam            | 9      | 304                           | 3               | 3.64                             | 5     | 1     | 1     | 8     | M         | 1 north       | 10-20                     | C1          | Scrub / lapsed hedge growth.                                                                                                            |
| T9          | Oak                 | 19     | 780                           | 1               | 9.36                             | 9     | 8     | 9     | 6.5   | M         | 1 north       | 40+                       | A1          | No significant / notable defects observed during inspection.                                                                            |
| T10         | Oak                 | 15     | 520                           | 1               | 6.24                             | 5.5   | 6     | 6     | 7     | M         | 4 north       | 20-40                     | B1          | Poor form as forks at 2m.                                                                                                               |
| G11         | Oak                 | 8      | 190                           | 1               | 2.28                             | 3.5   | 1     | 0     | 2     | M         | 1             | 10-20                     | C2          | Self set trees of little value. Recommend: to be removed.                                                                               |
| G12         | Oak                 | 16     | 350                           | 1               | 4.20                             | 7     | 2     | 7     | 3     | M         | 2             | 20-40                     | B2          | Recommend: to be removed.                                                                                                               |

| Tree Number | Tree Name (species) | Ht (m) | Calculated Stem Diameter (mm) | Number of Stems | Root Protection Area (Radius, m) | N (m) | E (m) | S (m) | W (m) | Age Class | Clearance (m) | Estimated life expectancy | BS Category | Comments / Recommendations                                                               |
|-------------|---------------------|--------|-------------------------------|-----------------|----------------------------------|-------|-------|-------|-------|-----------|---------------|---------------------------|-------------|------------------------------------------------------------------------------------------|
| G13         | Hornbeam            | 13     | 400                           | 4               | 4.80                             | 7.5   | 2     | 8     | 5     | M         | 2             | 20-40                     | B2          | Formerly part of hedge - now established trees. Recommend: crown lift to 5m over access. |
| T14         | Oak                 | 15     | 850                           | 1               | 10.20                            | 10    | 6     | 7     | 5     | M         | 2             | 40+                       | A1          | Unusual form for species.                                                                |
| T15         | Oak                 | 14     | 740                           | 1               | 8.88                             | 7.5   | 9     | 7     | 1     | M         | 2             | 40+                       | A1          | Unusual form for species.                                                                |

**KEY :**

Tree No: (T= individual tree, G= group of trees, W= woodland)  
Age class: Young (Y), Middle aged (MA), Mature (M), Over mature (OM),  
Veteran (V)  
Height (Ht): Measured in metres +/- 1m

**Appendix C**  
**TREE FENCING DETAIL**

Figure 3 Examples of above-ground stabilizing systems



