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Arboricultural Report

Including a tree survey, impact assessment and method statement
for a replacement dwelling at

The Lake House, Rowfant, Nr Copthorne, West
Sussex, RH10 4TB

Reference: MW.2405.TLH.AIA
Client: Planit Consulting
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Executive Summary

Trees are a consideration in this planning application for a replacement dwelling. Therefore, this report has been drafted to provide the information required to enable the local planning authority to meet the duty placed upon them by section 197 of the Town and Country Planning Act (as amended, 2021).

Included are a BS5837:2012 compliant tree survey, arboricultural impact assessment, and tree protection strategy that includes a method statement and tree protection plan.

Two trees are to be removed: one topped oak and one small chestnut.

The replacement house is located outside the root protection areas of retained trees and thus all can be adequately protected throughout the construction process.

The existing drive surface is to be retained, so protection measures for roots under it are not proposed.

Tree protection commitments include erecting barriers and a pre-start audit/meeting.

Provided the protection strategy is implemented as outlined, this application has a low arboricultural impact and is thus acceptable.



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1. Instructions and Terms of Reference

- 1.1. In May 2024, I was instructed by Planit Consulting to undertake a tree survey and subsequently, in March 2025, to produce this report to accompany a planning application for a replacement dwelling at The Lake House, Rowfant, Nr Copthorne, West Sussex, RH10 4TB.
- 1.2. Following the recommendations of the British Standard¹, this report includes the necessary information to enable the local planning authority to meet the duty placed upon them by section 197 of the Town and Country Planning Act (as amended, 2021).
- 1.3. It demonstrates that the proposal's impact, both direct and indirect, has been assessed, and mitigation, compensation, and tree protection have been proposed where appropriate.
- 1.4. Correctly implementing the tree protection specified in this report is critical for ensuring the retained trees are successfully protected throughout construction.
- 1.5. The assessment considers the proposal's impact on the constraints of trees retained within the site and those on adjacent land. Such impact can be caused directly through construction damage and indirectly from post-development resentment and pressure to detrimentally prune or remove the trees. The latter is often due to a poor juxtaposition between the proposal and the trees.
- 1.6. A tree's root protection area (RPA) represents a minimum area in m² that shall be left undisturbed around it. This is initially represented by a circle but is fundamentally an area of rooting volume. It is often adjusted to account for constraints to root growth within the site (primarily highways and buildings). The British Standard provides recommendations regarding the protection of existing trees during the construction process. This is achieved by ensuring a tree protection strategy is implemented before any demolition or construction on site.

Documents Supplied

- Proposed: 20250319 The Lake House, to Arb.dwg
- Site survey: CM24232_The Lake House

¹BS5837:2012 Trees in relation to design, demolition and construction

2. Statutory & Other Relevant Constraints

Local Planning Authority	Mid Sussex District Council
Tree Preservation Orders & Conservation Area restrictions Checked at the time of writing using the following link https://www.midsussex.gov.uk/planning-building/trees-and-hedgerows/tree-preservation-order-tpo-map/	
Tree Preservation Orders	None
Conservation Areas	None
Forestry Act (1967)	Gardens are exempt
Ancient Semi-Natural Woodland (ASNW) https://magic.defra.gov.uk/MagicMap.aspx	None
Ancient Tree Inventory https://ati.woodlandtrust.org.uk/tree-search/?v=	None
Obvious veteran trees	None
Sites of special scientific interest (SSSI) https://magic.defra.gov.uk/MagicMap.aspx	No
Legal covenants and outstanding planning conditions	Not known
Bedrock: British Geological Survey: https://geologyviewer.bgs.ac.uk/?_ga=	Slightly acid loamy and clayey soils with impeded drainage
Soil: Landis SoilScape https://www.landis.org.uk/soilscapes/	Upper Tunbridge Wells Sand - Sandstone and siltstone, interbedded

3. Survey Scope & Methodology

- 3.1. Tree survey data can be found on the appended plan.
- 3.2. The tree survey has been carried out following the recommendations of The British Standard and the trees are assessed objectively and without reference to any site layout proposals. Categories are based on each tree's health and condition, together with an assessment of its life expectancy if its surroundings were to be unchanged.
- 3.3. The reference numbers of surveyed trees and groups of trees are shown on the tree reference plan, which is appended to this report and based on the supplied survey drawing. Stem locations within groups may be estimated, and indicative of canopy only.
- 3.4. The tree survey was carried out from ground level only, with the aid of binoculars as necessary, following the Visual Tree Assessment² (VTA) method.

² Mattheck, C. & Breloer, H., 1998. The Body Language of Trees: A Handbook for Failure Analysis. London: H.M.S.O.

- 3.5. Where trees are located on neighbouring land, an estimated appraisal of their quality and dimensions has been made.
- 3.6. Where stems or branches are obscured by ivy or other materials a full assessment of those parts will not be possible.
- 3.7. Tree heights were measured with a clinometer or estimated in relation to those measured.
- 3.8. Trunk diameters are measured at 1.5m above ground level, where this is not possible, then Figure C.1 of the British Standard is followed.
- 3.9. Tree canopies were markedly asymmetrical, and were measured (or estimated by pacing) in four directions using a laser measure. Symmetrical canopies are measured in one direction only, with dimensions in the remaining directions assumed to be similar. For the canopies of groups of trees, the maximum radius for each compass point is measured (more complicated groups will have further notes taken and an accurate representation will be shown on the plan).
- 3.10. All estimated dimensions are noted in the data.

4. Arboricultural Impact Assessment

Proposal

- 4.1. It is proposed to replace the existing dwelling, the layout of which can be seen on the appended plan.
- 4.2. The existing drive will be retained.

Tree Removals

- 4.3. Two trees are proposed for removal: one topped oak (#04) and one small chestnut (#11). Both are of low quality (category C).
- 4.4. Any loss that may be felt as a result of their removal can be mitigated through new planting within the site.

Tree Surgery

- 4.5. There are no plans for any tree surgery work at this stage.

Construction Impact

- 4.6. The replacement house is located outside the root protection areas of retained trees and thus all can be adequately protected throughout the construction process.
- 4.7. The existing drive surface is to be retained, and thus, protection measures for roots under it are not proposed.

Supervision & Monitoring

- 4.8. Some sites require more arboricultural involvement during the construction process than others. This is typically commensurate with the pressure on retained trees and the complexity of the tree protection strategy.
- 4.9. It is my opinion that regular monitoring visits would not be necessary for this project.

Barrier Type

- 4.10. As the proposed construction work is comparatively 'low impact', the default British Standard tree protection specification seems somewhat onerous. Therefore, it is my opinion that an adequate level of protection can be provided with a lesser specification.
- 4.11. Alternative specifications can be found in [Appendix i](#). TPF 2 or TPF 3 are proposed.

Service & Utility Provisions

- 4.12. It is presumed that the existing service and utility connections will be reused.

Compliance with planning policies

- 4.13. The National Planning Policy Framework (NPPF) (revised 2024) sets out government's planning policies for England and how these are expected to be applied.
- 4.14. It is acknowledged at a national level that trees have significant value within our urban environments and that it should be expected that loss of, or impact to, trees of high quality and value will be resisted.
- 4.15. Mid-Sussex Council's Local Plan states under policy B7 that:

Development resulting in the loss of trees which are of significant public amenity value will be resisted.

Surgery on protected trees will only be permitted where their overall appearance and visual amenity value would not be adversely affected. Similarly the felling of protected trees will only be permitted if there is no appropriate alternative. Where a protected tree or group of trees is felled a replacement tree or group of trees will normally be required.

- 4.16. By avoiding removing any high-quality trees (category A) and minimising impact upon other trees, I conclude compliance with the NPPF and policy B7 of the Local Plan.

Summary

- 4.17. Provided the tree protection strategy is implemented as outlined in the following method statement, this application has a low arboricultural impact and is thus acceptable.
- 4.18. Should the council wish to see more onerous tree protection methods, this can be ensured via an appropriately worded planning condition and should not be the basis for a reason for refusal.

5. Arboricultural Method Statement

- 5.1. The tree protection on this site is subject to implementation as detailed in the following sections.
- 5.2. The recommendations of the British Standard have been applied where viable. Where deviations from the preferred approach are required, the impact on any retained trees is minimised through a combination of supervision from an arboriculturist and adherence to the associated method statement.
- 5.3. Once permission is granted, the strategy must be followed to avoid impacting the trees and adhere to any planning conditions.
- 5.4. The information within this section must be passed to the site foreman and cascaded to all relevant personnel involved in the project.
- 5.5. Any questions about the content or its implementation shall be directed to **Mark Welby Consulting Arborists at 01730 239492** before action is taken.
- 5.6. A tree protection plan showing the types of tree protection and their locations is appended. It includes the tree survey data, existing site features and the approved construction. The plan must be read in conjunction with this method statement.

Phasing

- 5.7. It is essential that the following phasing is followed if trees are to be effectively protected throughout construction.

1	Tree removals
2	Installation of protection barriers (Appendix i: TPF 2 or 3)
3	Confirmation that tree protection barriers are installed to be sent to LPA
4	Demolition & site clearance phase
5	Construction Phase
6	Removal of tree protection barriers upon completion of work

Table 1: Timing of operations in relation to trees

- 5.9. The above has been drafted at the planning stage. Shall any of the protection measures prove incompatible with elements of the build program, contact the project arboriculturist to discuss options.

Pre-start Confirmation

5.10. The most important step in the tree protection process: confirmation that the tree protection barriers are in place must be forwarded to the LPA before any external work starts. This may be a photographic record sent via email.

Construction Exclusion Zone (CEZ)

5.11. The CEZ is a root-sensitive area where construction activities are to be excluded. The default method of doing so is through the installation of tree protection barriers. If construction access is required in the CEZ then ground protection can be used to facilitate this.

5.12. Everyone engaged in the construction process is responsible for respecting the tree protection measures and observing the necessary precautions within and adjacent to them.

5.13. Inside the exclusion zone, the following shall apply:

- No mechanical excavation whatsoever;
- No excavation by any other means without arboricultural site supervision;
- No hand digging without a written method statement having first been approved by the project arboriculturist;
- No lowering of levels for any purpose (except removal of grass sward using hand tools);
- No storage of plant or materials;
- No storage or handling of any chemical including cement washings;
- No vehicular access (unless ground protection is installed);
- No fire lighting.

5.14. In addition to the above, further precautions are necessary adjacent to trees:

- No substances injurious to tree health, including fuels, oil, bitumen, cement (including cement washings), builder's sand, concrete mixing and other chemicals shall be stored or used within or directly adjacent to the protection area of retained trees;
- No fire shall be lit such that flames come within 5m of tree foliage.

5.15. Variations from the above may be specified in the following sections of this method statement.

This is only acceptable where detailed and will typically be subject to supervision by the arboriculturist.

Protection Barriers

5.16. Barriers must be fit to exclude construction activity and appropriate to the degree and proximity of work around the retained tree(s). Barriers shall be maintained to ensure that they remain rigid and complete.

5.17. See Appendix i for barrier specifications.

5.18. On this project, types TPF 2 or TPF 3 are to be used.

Ground Protection

5.19. If required to facilitate access within the CEZ (or as shown on the appended tree protection plan), ground protection is to be installed. If not already included on the tree protection plan, it must be approved in writing by the local planning authority before implementation. The ground protection must be capable of supporting the expected loads and avoiding rutting, compaction and damage to the soil: as advised in section 6.2.3 of the British Standard.



GP1: Tree protection barriers and scaffold ground protection



GP2: Tree protection barriers & trackmat ground protection

5.20. Stages of ground protection installation:

1. If required, dismantle barriers and re-erect them to protect any newly exposed CEZ not to be covered by ground protection;
2. Any shrubs, saplings or trees to be removed, are to be cut or ground out to just below ground level rather than grubbed or winched out, which can damage the roots of retained trees;
3. Lay woven geotextile over the existing ground surface by hand;
4. Cover the area with a compressible layer (200mm of woodchip, for example), using hand tools only;
5. Cover compressible layer with side butting scaffold boards, plywood boards of proprietary trackway/trackmats;
6. Confirm surface is acceptable for use with the project arboriculturist;
7. Area ready for construction access;
8. Any scaffolding required within the area will be erected with the uprights placed on spreader boards;
9. The boarding will be left in place until the construction works are finished.

5.21. A single thickness of boarding laid on the soil surface will provide sufficient protection for pedestrian loads. However, for wheeled or tracked construction traffic movements within the RPA, ground protection will involve the use of temporary geocell/cellular confinement systems, reinforced concrete slabs or track-board systems details of which are to be specified by the project engineer and approved for use by the project arboriculturist and local authority before construction commences.

5.22. Track-boards can be sourced from Trakmats, 0800 622 6838, www.trakmats.co.uk, or GroundGuards, 0113 209 3685, www.ground-guards.co.uk.

5.23. There is to be no excavation within the ground protection area whatsoever. This includes the installation of services and associated utilities, without prior approval.

Site Induction

5.24. All site staff are to be briefed on the tree protection strategy for the site as part of the general site induction procedure. This can be carried out by the site manager once he has been briefed by the project arboriculturist.

5.25. In general, this will include the following:

1. Explanation of the purpose of the tree protection barriers and any ground protection
2. Explanation of the demolition procedures near trees
3. Explanation of the sensitive/supervised excavation areas
4. What to do if access is needed within a protected area for any reason
5. What to do if damage occurs to any tree protection barriers and how to contact the project arboriculturist if necessary.

Tree Surgery

5.26. Should any pruning work be required, the following must be adhered to once any requisite permissions are obtained.

5.27. All work will be carried out under BS3998³ industry best practice and in line with any works already agreed upon with the council.

5.28. The statutory protection^{4 5} will be adhered to. If further advice is required, particularly if bats are discovered during tree work, it will be obtained from Natural England or other competent persons and recommendations adhered to.

³ BS3998:2010- *Recommendations for Tree Work*. London: British Standards Institute

⁴ *Wildlife and Countryside Act*. (1981) London: HMSO.

⁵ *Conservation of Habitats and Species Regulations (2017)* London: HMSO.

- 5.29. The stumps of any trees removed from within the Construction Exclusion Zone or the RPAs of retained trees will be either cut flush to ground level and left in situ or ground out using a stump grinder. They will not be winched out.
- 5.30. All operations shall be carefully carried out to avoid damage to the trees being treated or neighbouring trees. No trees to be retained shall be used for anchorage or winching purposes.

Installation of Underground Services

- 5.31. Mechanical trenching for the installation of underground apparatus and drainage severs any roots present and can change the local soil hydrology in a way that adversely affects the health of the tree. For this reason, particular care must be taken in the routeing and methods of installation of all underground apparatus. Wherever possible, apparatus must be routed outside RPAs. Where this is not possible, it is preferable to keep the apparatus together in common ducts. Inspection chambers shall be sited outside the RPA.
- 5.32. Where underground apparatus is to pass within the RPA, detailed plans showing the proposed routeing must be drawn up in conjunction with the project arboriculturist. In such cases, trenchless insertion methods shall be used: Microtunnelling, Surface-launched directional drilling, Pipe ramming or Impact moling (see BS5837:2012 Table 3), with entry and retrieval pits being sited outside the RPA. Provided that roots can be retained and protected, excavation using hand-held tools might be acceptable for shallow service runs. If this is the case, the following methodology must be followed:

5.33. Stages for installing services:

1. Contact project arboriculturist to hold pre-start site meeting and 'toolbox' talk before starting work.
2. Remove just enough tree protection fencing to allow access to the area and facilitate trenching.
3. Remove any surface vegetation or existing hard surfaces using hand tools.
4. Using an air-pick excavate the trench, keeping to the minimum dimensions required.
5. Roots occurring in clumps of 25 mm diameter and over are encountered they will be retained and kept damp by covering with hessian (re-wetted as required). If required, these shall be severed only following consultation with an arboriculturist; as such roots might be essential to the tree's health and stability.
6. Feed in services.
7. Backfill the trench with 200-300mm depth of excavated soil, or a mixture of excavated and imported topsoil to BS3882: 2015, firming down with heels.
8. Repeat step 7 until the trench is filled.

9. Re-erect tree protection fencing as per the approved plan.

5.34. The method of excavation above, for trenching within RPAs, is using air excavation. This tool utilises compressed air to remove soil from around tree roots causing minimal damage and can be run off a typical site compressor. I can provide details of contractors supplying air excavation services if required.

5.35. Alternatively, trenchless technology, such as thrust boring can be used in some instances and is particularly effective as it can pass directly under the tree, at a depth which is likely to avoid almost all impact on the roots of the subject tree. As no access/thrust pits will be located within the RPAs of the subject trees, the need for arboricultural supervision is limited.

5.36. Reference can be made to NJUG Vol 4⁶ for guidance, but any approach must be approved by the project arboriculturist and brought to the attention of the local authority tree officer.

Fencepost/Hoarding Installation in RPA

5.37. Stages for installing wooden posts:

No plant machinery is to be used in the area for whatever reason

1. Remove TPF to allow access to the area. If working inside the tree's RPA, ground protection boarding must be used to avoid compaction and contamination of the root zone.
2. Dig postholes using hand tools, avoiding damage to the protective bark covering larger roots. Roots smaller than 25mm in diameter may be pruned back using either secateurs or a hand saw, leaving a clean cut.
3. Damage or severance of roots above 25mm diameter must be avoided. If roots of this size are discovered, the hole shall be relocated. If there are a large number of such roots it may be necessary to relocate the hole by half a fence panels length and adjust the fence panels accordingly.
4. Line holes with non-porous lining, for example, a durable polyethene bag.
5. Insert post and fill post-hole with concrete to just below ground level.
6. Trim polyethene to ground level and fill with clean topsoil.
7. Reinstall TPF as approved.

⁶ National Joint Utilities Group. (2010). Volume 4: NJUG Guidelines For The Planning, Installation And Maintenance Of Utility Apparatus In Proximity To Trees (Issue 2) - Operatives Handbook. NJUG.

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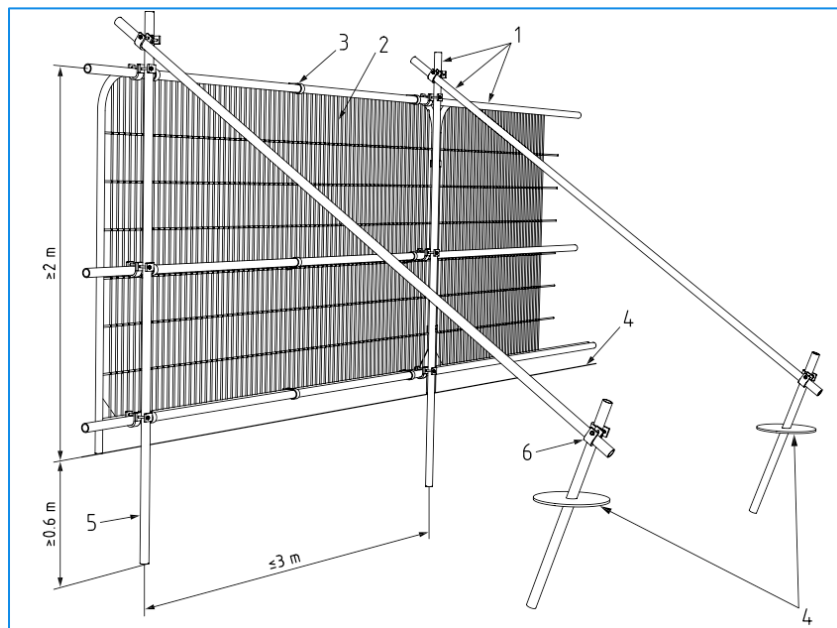


Appendix



i.

Tree Protection Barriers



1 Standard scaffold poles

2 Heavy gauge 2 m tall galvanised tube and welded mesh infill panels

3 panels secured to up rights and cross members with wire-ties

4 ground level

5 uprights driven into the ground until secure (minimum depth 0.6 m)

6 Standard scaffold clamps

TPF1: Default specification for protective barrier (Fig 2 from BS5837:2012)



TPF 2: Alternative fencing option: scaffold uprights with backstay



TPF 3: Alternative fencing option: on boots with backstay



TPF 4: Plastic barrier for low intensity areas of construction



TPF 5: Chain-link for low intensity areas on large projects

ii.

Tree Categories Explained

BS5837:2012 Table 1 -Cascade chart for tree quality assessment			
Category and definition	Criteria (including subcategories where appropriate)		
Trees unsuitable for retention (see Note)			
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	*Trees that have a serious, irremediable, structural defect, such that their early loss is expected due to collapse, including those that will become unviable after removal of other category U trees (e.g. where, for whatever reason, the loss of companion shelter cannot be mitigated by pruning) *Trees that are dead or are showing signs of significant, immediate, and irreversible overall decline *Trees infected with pathogens of significance to the health and/or safety of other trees nearby, or very low quality trees suppressing adjacent trees of better quality NOTE Category U trees can have existing or potential conservation value which it might be desirable to preserve; see 4.5.7.		
	1 Mainly arboricultural qualities	2 Mainly landscape qualities	3 Mainly cultural values, including conservation
Trees to be considered for retention			
Category A Trees of high quality with an estimated remaining life expectancy of at least 40 years	Trees that are particularly good examples of their species, especially if rare or unusual; or those that are essential components of groups or formal or semi-formal arboricultural features (e.g. the dominant and/or principal trees within an avenue)	Trees, groups or woodlands of particular visual importance as arboricultural and/or landscape features	Trees, groups or woodlands of significant conservation, historical, commemorative or other value (e.g. veteran trees or wood-pasture)
Category B Trees of moderate quality with an estimated remaining life expectancy of at least 20 years	Trees that might be included in category A, but are downgraded because of impaired condition (e.g. presence of significant though remediable defects, including unsympathetic past management and storm damage), such that they are unlikely to be suitable for retention for beyond 40 years; or trees lacking the special quality necessary to merit the category A designation	Trees present in numbers, usually growing as groups or woodlands, such that they attract a higher collective rating than they might as individuals; or trees occurring as collectives but situated so as to make little visual contribution to the wider locality	Trees with material conservation or other cultural value
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	Unremarkable trees of very limited merit or such impaired condition that they do not qualify in higher categories	Trees present in groups or woodlands, but without this conferring on them significantly greater collective landscape value; and/or trees offering low or only temporary/transient landscape benefits	Trees with no material conservation or other cultural value



iii.

Protection Plan



See the following page

BS5837 Tree Survey: Trees & Groups to be Retained

Retained Trees / Groups														
Ref	Species	Common Name	Height	Stem Diameter	Crown Clearance	Age Class	Observations	Tree Surgery	Est. Remaining Contribution	Date Surveyed	BS Cat	RPA Radius	RPA Area	No.
01	Quercus robur	Pedunculate oak	19m	1020mm	2m	Mature	Good overall physiological and structural condition.		40 Years	22/5/2024	A1	12.3m	475m²	1
02	Quercus robur	Pedunculate oak	19m	1240mm	2m	Mature	Fair overall physiological and structural condition. Some deadwood.	Remove poorly attached deadwood.	40 Years	22/5/2024	B1	14.7m	679m²	1
03	Quercus robur	Pedunculate oak	16m	640mm	2m	Mature	Fair overall physiological and structural condition. Some deadwood.	Remove poorly attached deadwood.	40 Years	22/5/2024	B1	7.8m	191m²	1
05	Alnus glutinosa	Common alder	16m	400mm; 400mm; 500mm	2m	Mature	Fair overall physiological and structural condition.		20 Years	22/5/2024	B1		255m²	1
06	Quercus robur	Pedunculate oak	12m	550mm	2m	Mature	Fair overall physiological and structural condition. Ivy clad		40 Years	22/5/2024	B1		137m²	1
08	Pyrus sp.	Pear	2.5m	100mm	1m	Early-Mature	Fair overall physiological and structural condition.		10 Years	22/5/2024	C1	1.2m	5m²	1
09	Alnus glutinosa	Common alder	14m	250mm; 250mm; 250mm; 250mm; 250mm	2m	Mature	Fair overall physiological and structural condition.		20 Years	22/5/2024	B1		191m²	1
10	Alnus glutinosa	Common alder	11m	350mm; 350mm; 350mm	2m	Mature	Fair overall physiological and structural condition.		20 Years	22/5/2024	B1	7.2m	163m²	1
12	Aesculus sp.	Chestnut/buckeye	7m	180mm	1m	Semi-Mature	Late into leaf when compared to adjacent tree		0 Years	22/5/2024	U	2.1m	14m²	1
14	Corylus avellana	Hazel	8m	550mm	1m	Early-Mature	Typical coppice form		10 Years	22/5/2024	C1	6.6m	137m²	1
15	Prunus avium	Wild cherry	138m	150mm; 150mm	1.5m	Mature	Linear group of trees		20 Years	22/5/2024	B1	2.4m	18m²	1
16	Prunus avium	Wild cherry	138m	350mm	1.5m	Mature	Linear group of trees		20 Years	22/5/2024	B1	4.2m	55m²	1
17	Prunus avium	Wild cherry	138m	450mm; 220mm; 130mm	1.5m	Mature	Linear group of trees		20 Years	22/5/2024	B1	6.3m	124m²	1
18	Magnolia sp.	Magnolia	3.5m	130mm; 130mm; 130mm; 130mm; 130mm; 130mm	1m	Mature	Small ornamental		10 Years	22/5/2024	C1	4.5m	64m²	1
Total: 14														

Survey by Mark Welby DipArd(RFS), TechCert(ArborA), F&B&A
Arboricultural Association Registered Consultant
www.mwelby.com

denotes estimated dimension. Typically due to the tree being inaccessible.
Where dimensions are not listed please refer to the plan graphics for an indicative representation (typically for groups).

Trees & Groups for Removal

Removed Trees / Groups											
Ref	Species	Common Name	Height	Stem Diameter	Crown Clearance	Age Class	Observations	Est. Remaining Contribution	Date Surveyed	BS Cat	No.
04	Quercus robur	Pedunculate oak	8m	1000mm	2.5m	Mature	Stem with some retained growth	20 Years	22/5/2024	C1	1
11	Aesculus sp.	Chestnut/buckeye	7m	220mm	1m	Semi-Mature	Suppressed by oak tree	10 Years	22/5/2024	C1	1
Total:											2



TREE PROTECTION AREA
KEEP OUT!
(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.
THIS FENCING MUST NOT BE REMOVED WITHOUT PERMISSION FROM THE LOCAL PLANNING AUTHORITY.

Construction Exclusion Zone

It is the responsibility of everyone engaged in the construction process to respect the tree protection measures and observe the necessary precautions within and adjacent to them.

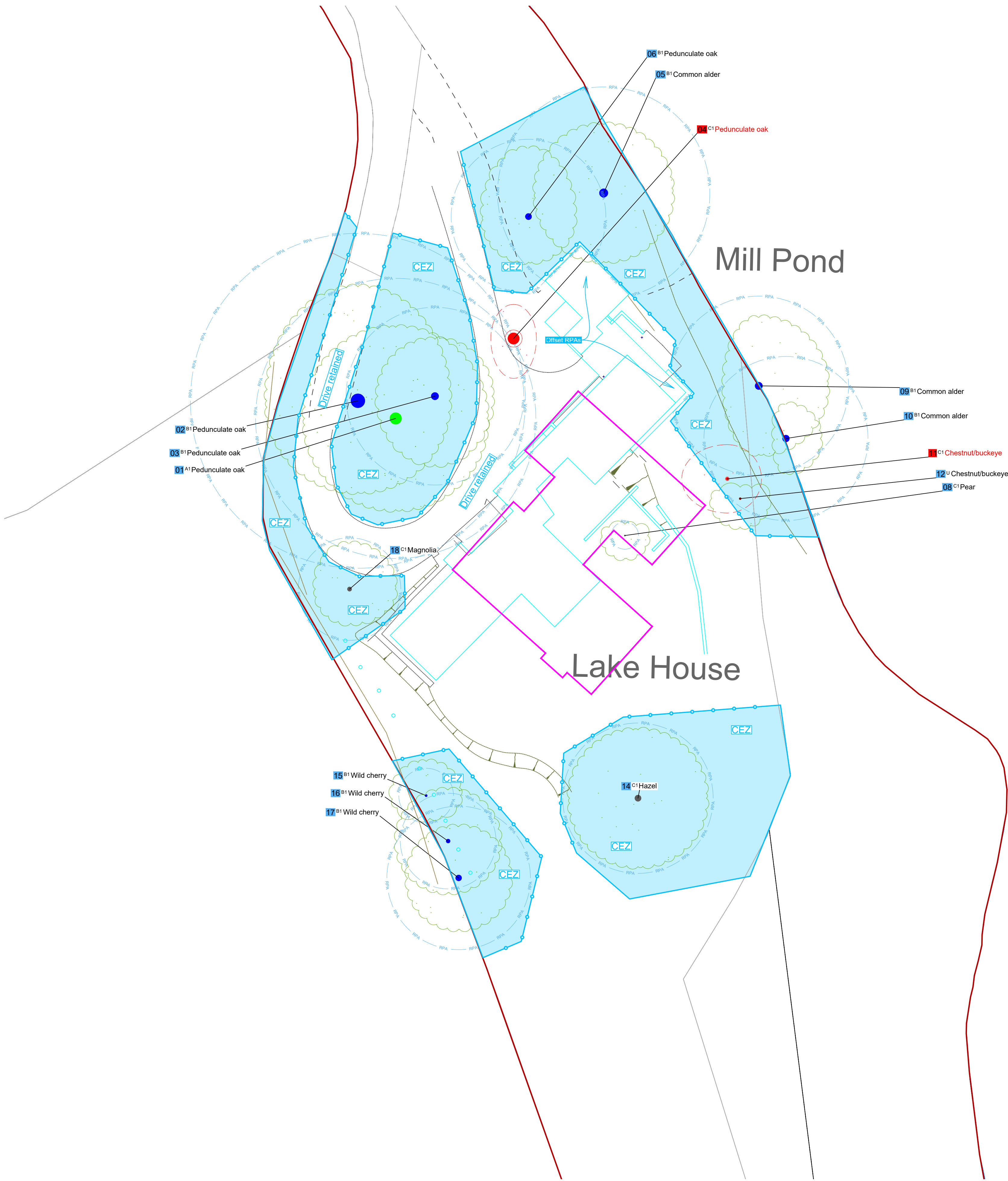
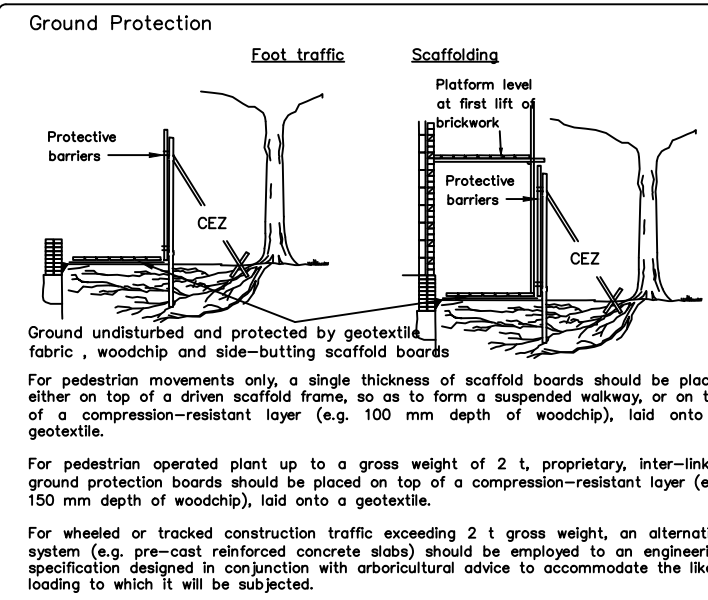
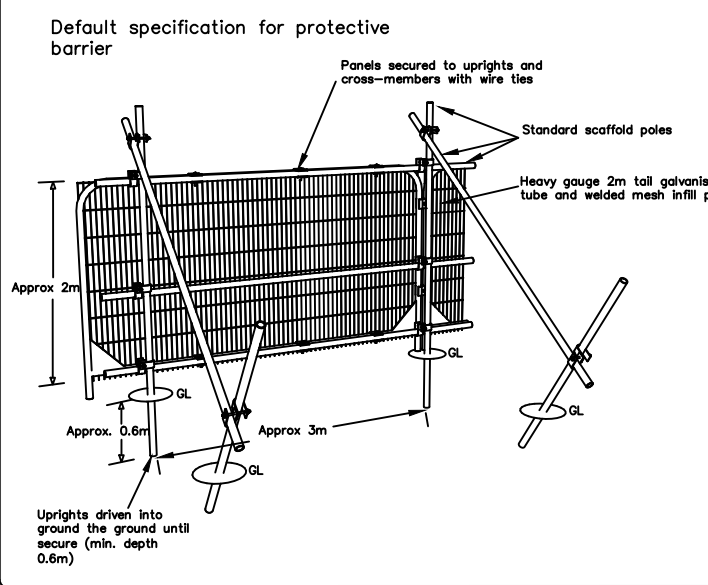
Inside the exclusion zone, the following shall apply:

- No mechanical excavation whatsoever;
- No excavation by any other means without arboricultural site supervision;
- No hand digging without a written method statement having first been approved by the project arboriculturist;
- No lowering of levels for any purpose (except removal of grass sward using hand tools);
- No storage of plant or materials;
- No storage or handling of any chemical including cement washings;
- No vehicular access;
- No fire lighting.

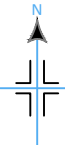
In addition to the above, further precautions are necessary adjacent to trees:

- No substances injurious to tree health, including fuels, oil, bitumen, cement (including cement washings), builder's sand, concrete mixing and other chemicals shall be stored or used within or directly adjacent to the protection area of retained trees;
- No fire shall be lit such that flames come within 5m of tree foliage.

All weather signs shall be erected at reasonable intervals on the barriers. See example inset.



NOTES
This Tree Survey has been undertaken within the recommendations of British Standard BS5837:2012 and current arboricultural best practice.
• The reference numbers of surveyed trees and groups of trees are shown. Stem locations within groups may be estimated, and indicative of canopy only.
• The tree survey was carried out from ground level only, with the aid of binoculars as necessary, following the Visual Tree Assessment (VTA) method.
• Where trees are located on neighbouring land an estimated aspect has been made of their quality and dimensions.
• Where stems or branches are obscured by ivy or other materials a full assessment of those parts will not be possible.
• Height dimensions are estimated and are given in metres.
• Trunkstem diameters are measured in mm at 1.5 metres above ground level, unless otherwise stated. Where this is not possible, then Figure C1 of the British Standard is followed.
• Tree canopies are graphically represented on the plan. They, where markedly asymmetrical, were measured using a laser measure. Symmetrical canopies are measured in one direction only, with dimensions in the remaining directions assumed to be similar. For the canopies of groups of trees the maximum radius for each compass point is measured (more complicated groups will have further notes taken and an accurate representation will be shown on the plan).



REV	DATE	UPDATES	DRAWN
1.000			

- Tree ref category/species & TPO ref
- Root protection area
- Crown spread
- CEZ extent. To be protected with temporary protective barriers or ground protection to allow construction access. See insets and method statement for details.
- Tree to be removed

BS 5837:2012 Tree Quality Categories
● Category A - High quality
● Category B - Moderate quality
● Category C - Low quality
● Category U - Unsuitable for retention

Guidance on the implementation and use of this information, along with its limitations and more can be downloaded here: <https://bit.ly/BS5837FAQ>
Or scan this QR code:



This plan has been drafted in colour. A monochrome version must not be relied upon

Tree Protection

The Lake House,
Rowfant, Nr Copthorne,
West Sussex, RH10 4TB

Date: 04/04/2025 Scale: 1:200 @A2

DWG Ref: MW.2405.TLH.TPP

