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BS:5837 ARBORICULTURAL REPORT

ARBORICULTURAL SURVEY & ARBORICULTURAL IMPACT ASSESSMENT & METHOD STATEMENT

3 LANDEN GROVE
WOKINGHAM
BERKSHIRE
RG41 1LL

CLIENT: MR. & MRS. CRANDON

SEPTEMBER 2025
Ref: AIA/AMS 06727 / 2025

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Arboricultural ASSOCIATION
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Project:	New detached garage to the front of 3 Landen Grove.

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EXECUTIVE SUMMARY

This report provides detailed and site-specific information on the steps which will be undertaken to ensure retained trees are not harmed during the proposed construction of a new garage at the front of 3 Landen Grove, Wokingham, Berkshire, RG41 1LL.

3 Landen Grove is situated adjacent to the arterial A329 Reading Road which is a designated Green Route within the Wokingham Borough Council Managing development Delivery Local Plan. Mature trees and shrubs are a feature of the road and there are a number of trees growing to the front of the property which help to screen the property in views from Reading Road and enhance the amenity of the Green Route.

The trees on / adjacent to 3 Landen Grove have been surveyed in accordance with the guidelines and recommendations from BS:5837 'Trees in Relation to Design, Demolition and Construction'. The proposed new garage location has been positioned around the identified Arboricultural constraints to ensure any impact on trees is kept to an absolute minimum. This application is therefore fully committed to the retention and preservation of trees on site.

Provided the methodology specified within the Arboricultural Method Statement is followed during the building work, I am satisfied that this application can be undertaken in accordance with the guidelines and recommendations in BS:5837 2012 – Trees in Relation to Design, Demolition and Construction. The application is therefore acceptable as it relates to trees.

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1. INTRODUCTION

1.1 INSTRUCTION

This Arboricultural report has been prepared by Sarah Duckworth, Arboricultural Consultant and provides an Arboricultural Survey, Impact Assessment and Method Statement relating to trees growing on and adjacent to land at 3 Landen Grove, Wokingham, Berkshire, RG41 1LL.

I have been instructed to survey relevant trees in accordance with BS:5837 (2012) to ascertain the constraints posed by the trees to the construction of a new detached garage.

The Arboricultural Impact Assessment in this report uses the tree data to identify any short or longer-term impact the proposed building works might have on the surrounding trees and makes recommendations for amendments or mitigation where appropriate.

This report also includes a site-specific Arboricultural Method Statement and Tree Protection Plan which details the steps which will be taken to ensure significant trees can be successfully protected and retained during and on completion of the proposed building works.

1.2 PRE-APPLICATION ADVICE

On 23rd April 2023, the applicant received pre-application advice from the local authority which was generally supportive of the planning proposal for a new garage at the front of 3 Landen Grove.

Regarding trees, Wokingham Borough Council Planning Service advised the following:

> *The site is on a Green Route, being the arterial A329 Reading Road. Trees and mature deciduous and ever-green plants are a feature of the road at this point and the site specifically. The planning statement mentions that arboricultural advice will be sought, and I suggest this is vital to protect the trees/hedges and the built form, initially and in the future. The arboricultural advice will need to be to the accepted standard, being the BS5837:2012 and as section 4.2.3 of that document states 'It should be used to inform all design and planning decisions.' So, it will help to appropriately locate the garage in the area suggested in this pre app. The screening front boundary and the set back of the proposed garage are rightly recognised within the submissions as important to allow the garage to integrate into the street scene.*

Pre-application Advice Response Letter (250805) dated 23rd April 2025

1.3 SCOPE

The British Standard 5837:2012 'Trees in Relation to Design, Demolition and Construction' is designed to assist those concerned with trees and planning to form balanced judgments. This report does not therefore seek to put arguments for or against development but provides a means of protecting the trees which may be affected during development.

The report is for the sole use of the client and its reproduction or use by anyone else is forbidden unless written consent is given by the author.

1.4 DOCUMENTS

A topographical survey is not available for this site. The trees within the tree protection plan have therefore been plotted by eye by the Tree Surveyor, their positions measured against boundaries and triangulated against fixed objects on site. The position of the trees should not therefore be taken as exact, but the plan is a fair representation of their locations in relation to the proposed build area.

The Tree Protection Plan which accompanies this report is illustrative and should be used for dealing with tree issues only. The precise location of all tree protection measures should be confirmed with a pre-commencement site meeting before any construction activity takes place.

1.5 CAVEATS

The report is valid for a period of two years from the date of issue being 1st September 2025 and will expire on 1st September 2027.

The report is not a Tree Risk Management Report or a Hazard Analysis Report and its use as such is invalid.

The report refers to the condition of tree(s) and an assessment of the site on the day the evaluation was undertaken. The trees were assessed from ground level only and not climbed. My assessment of third-party trees was limited where direct access was not available to the adjoining properties.

DISCLAIMER: This is an independently produced Arboricultural Report. I have no connection with any of the parties involved in this site or application that could influence or bias the opinions expressed in this report.

2. ARBORICULTURAL IMPACT ASSESSMENT

2.1 INTRODUCTION

The purpose of the Arboricultural Impact Assessment (AIA) is to evaluate the direct and indirect effects of the proposed building works and where necessary recommend solutions or mitigation as appropriate.

The assessment will take account of the effects of any tree works which may be required to implement the design and identify any potentially damaging activities proposed in the vicinity of the retained trees.

2.2 PLANNING CONSTRAINTS

TREE PRESERVATION ORDERS

I have confirmed on the Wokingham Borough Council website that there are no Tree Preservation Orders on site.

The protected status of trees is subject to change. You are advised to reconfirm the protected status of trees prior to carrying out any works to trees on site.

CONSERVATION AREA

3 Landen Grove is not within a Conservation Area.

ANCIENT WOODLAND

3 Landen Grove does not include Ancient Woodland, nor is the site within an Ancient Woodland Buffer Zone.

2.3 SOIL

The soil on site was assessed by an appraisal on the British Geological Drift Survey Map only. According to the 1:50,000 scale map records, the bedrock geology for 3 Landen Grove is London Clay Formation consisting of clay, silt and sand.

Soil characteristics and index properties (shrink / swell potential) can only be determined precisely by laboratory testing of soil samples. However, London clay is generally considered to be a 'High Plasticity' soil and is known to have significant capacity to shrink and swell with changing moisture levels.

Foundation depths should be calculated in accordance with NHBC Chapter 4.2 following a detailed on-site soil analysis, taking into account the presence of any clay and future growth of the adjacent trees.

2.4 PLOTTING THE RPAS

The British Standard 5837 advises that a Root Protection Area (RPA) should initially be plotted as a circle centered on the base of the stem. However, where pre-existing site conditions or other factors exist which indicate that rooting has occurred asymmetrically, a polygon of equivalent area should be produced.

Tree roots do not grow well under the adopted highway where the heavily compacted and anaerobic conditions are not conducive to healthy tree root growth. Although some roots are anticipated under the pavement area, the trees are likely to be rooting preferentially within the soft landscaped areas on site which are more favourable to healthy tree root growth.

The root protection areas of trees have therefore been plotted as a polygon away from the highway in order to provide an accurate representation of the likely distribution of tree roots.

2.5 TREES APPRAISAL

Number of individual trees surveyed:	4
Number of tree groups surveyed:	2
Number of category 'A' trees / groups:	0
Number of category 'B' trees / groups:	3
Number of category 'C' trees / groups:	3
Number of category 'U' trees / groups:	0

Figure 1 - Tree quality summary

2.6 TREE WORKS AND REMOVAL

No tree works are required or proposed to facilitate the proposed building work.

2.7 APPLICATION ASSESSMENT

The suitability of planning development in relation to trees is assessed in accordance with the British Standard 5837: 2012 'Trees in Relation to Design, Demolition and Construction.

This document requires that the conception and design of the final development layout must take into account the constraints posed by the trees on site. These constraints include not only the existing canopy and likely root spread but also:

- The ultimate height and spread of the trees.
- Potential impact of species characteristics for future residents – evergreen / deciduous, density of foliage, seasonal leaf drop / berries etc.
- Current and future shade patterns.

The default position in planning is that every effort should be made to retain and protect the category A and B trees on site and that new structures, areas of hard standing and services should be located outside of the identified RPAs of trees to be retained.

The proposed garage footprint has been situated largely outside of the root protection area of trees. In this location, the building requires a minor incursion into the root protection areas of T002 (Oak) and T003 (Beech) of 2.1m^2 and 4.5m^2 respectively. This equates to less than 1% (T002) and 2.1% (T003) of the offset root protection areas of the trees and will have a negligible impact on the trees and tree health.

Due to the small footprint of the proposed extension and negligible impact on these trees, engineered foundations are not considered necessary and it is proposed that the extension will be constructed on traditional foundations unless the Local Authority requests otherwise.

3 Landen Grove has a large existing driveway to the front of the property which will provide suitable access and storage during the build without impacting on trees and tree roots. The extended parking and driveway area to the front of the new garage is outside of the root protection area of all trees.

Soft landscaped areas at the front of the property where trees may be rooting will be fully protected during the building work with fit for purpose tree protection barriers / barriers and temporary ground protection installed in accordance with BS:5837 (2012) 'Trees in relation to Design, Demolition and Construction'.

Once installed the barriers will remain rigid and complete during development. The area behind the tree protection barriers is designated the Construction Exclusion Zone and should be isolated from all works activity during the construction of the garage.

On completion of the building work, there will remain a good gap between the trees' canopies and the new garage with no further foreseeable need for pruning works in the future.

2.8 SERVICES

I have not received any drainage or service plans for the site. However, following discussions with the client, I am advised that an electrical supply to the garage will connect north towards the existing dwelling in which location it will be outside of the identified rooting areas of all trees.

Soakaways, where required can be constructed 5m east of the new garage and outside of the rooting area of all trees.

As a matter of course, the Local Authority may request confirmation on services and routes, including the locations of any new soakaways to be submitted for approval in support of any future application to ensure it does not conflict with the retained trees on site.

2.9 CONCLUSIONS

This report demonstrates that an application to redevelop land at 3 Landen Grove has been fully considered in accordance with Arboricultural and Planning best practice (BS:5837 2012 Trees in Relation to Design, Demolition and Construction').

No trees are to be removed or cut back to facilitate the proposed building works and trees on and adjacent to the site will be protected and retained throughout the building work in accordance with the guidelines and recommendations in BS:5837 2012 - Trees in Relation to Design, Demolition and Construction.

The proposed new garage requires a minor incursion into the offset RPA of T002 (Oak) & T003 (Beech). The incursion equates to no more than 2.1% into the overall, offset RPA of each tree. The trees are otherwise in good health and are expected to tolerate this small area of construction on the periphery of their root protection areas without any long-term detriment to tree health.

This application is supported by an Arboricultural Method Assessment which provides detailed information on how the trees will be protected during the proposed building works.

Provided this method statement is followed during the building work, I am satisfied the application can be undertaken without unacceptable harm to the trees growing on and adjacent to 3 Landen Grove and the application is therefore acceptable as it relates to trees.

3. ARBORICULTURAL METHOD STATEMENT (AMS)

3.1 INTRODUCTION

The correct and timely installation of tree protection measures such as tree protection barriers is critical to ensure the long-term retention of a healthy tree stock on or adjacent to the development.

This method statement will be read, approved and agreed to by all key personnel prior to the commencement of any works on site.

WARNING: FAILURE TO FOLLOW THE ARBORICULTURAL METHOD STATEMENT ONCE APPROVED CAN CAUSE IRREPARABLE HARM TO TREES AND MAY INVALIDATE YOUR PLANNING CONSENT.

3.2 SITE SUPERVISION AND MONITORING

A site visit will be held once the Tree Protection Barriers and Temporary Ground Protection is installed as shown on the Tree Protection Plan. The Local Authority Tree Officer will be given a minimum of five days' notice of the time and date of the meeting so that they may attend should they wish to do so.

The purpose of the pre-commencement meeting will be for the appointed Arboricultural Consultant to confirm the location and construction of the Tree Protection Measures and ensure a common understanding of the requirements for Tree Protection within the site. If the Local Planning Authority is unable to attend, photographic evidence of the tree protection barriers will be emailed to the appointed planning officer once it has been erected.

A copy of the Arboricultural Method Statement and Tree Protection Plan will be available on site for reference.

3.3 ON SITE TREE SUPERVISOR

There will be a designated on-site 'tree supervisor,' a member of the build team who is responsible for ensuring no works are undertaken on site except in complete accordance with the approved Arboricultural Method Statement.

The on-site tree supervisor will:

- Be present on site most of the time.
- Be aware of the arboricultural responsibilities relating to the retained trees.
- Send photos of the Tree Protection Barriers & Temporary Ground Protection in situ to Wokingham Borough Council to demonstrate compliance with the Tree Protection Measures as approved.
- Have the authority to stop any work that will, or have the potential to, cause harm to any tree.

- 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.
- Make immediate contact with the Council and/or the retained arboriculturalist in the event of any related tree problems occurring whether actual or potential.
- Ensure commitment from all parties to the healthy retention of the trees. These details will be passed on 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.
- The appointed On-Site Tree Supervisor will also notify the Local Authority Tree Officer 5 days prior to the tree protection measures being removed on completion of development.

3.4 TEMPORARY TREE PROTECTION

No work in relation to the permitted building work will be undertaken, including receipt of deliveries, ground excavation or construction, prior to the Tree Protection Measures being installed as per the Tree Protection Plan.

The Tree Protection Barriers will consist of a vertical and horizontal scaffold framework braced well to resist impact. The vertical tubes will be spaced at a maximum distance of 3m and driven securely into the ground. Onto this framework welded mesh – 'Heras' style fencing panels or similar will be securely fixed. (See Appendix H).

The barriers will be located to protect trees and their rooting areas and will remain vertical, rigid and complete during development.

At no time will Tree Protection Barriers be removed or relocated contrary to the recommendations in this report, without professional arboricultural advice and without the prior consent of the Local Authority Tree Officer.

Temporary ground protection will be installed to create an accessible work space within the identified rooting areas of trees. Temporary ground protection will be formed of rigid load bearing temporary roadway sheets such as 'euroboards' or similar or ply sheets a minimum of 15mm thick.

The appointed On-Site Tree Supervisor will notify the Tree Officer once the approved Tree Protection Measures are installed on site and 5 days prior to the Tree Protection Measures being removed on completion of development so that a representative from the Local Authority may visit the site if considered necessary.

3.5 CONSTRUCTION EXCLUSION ZONE

The area behind the tree protection barriers and/or protected by temporary ground protection is designated the Construction Exclusion Zone and is to be isolated from all activity during work on the site.

Construction Exclusion Zones are to remain completely undisturbed for the duration of all development works. No construction activity of any description including (but not limited to) the following will occur within these areas at any time:

- No excavation of any description.
- No storage, disposal of soil, rubble or materials of any other description.
- No alterations to existing levels or ground conditions.
- No vehicular access, parking or use of any tracked or wheeled machinery of any description.
- No tree works, without the written consent of the Council's Tree Service.
- No erection of temporary structures of any description.
- No storage disposal handling or use of any Chemicals including cement washings.
- No fixtures or fittings of any description, security lighting, signage etc shall be attached to any part of a tree.
- No fires shall be lit within 10 metres of the canopies of any tree or spread of any hedge.
- No chemicals, fuel, liquids/waste residues of any other description to be stored or disposed of within close proximity to or drained towards/into protection areas.
- No storage, parking, vehicle movement or pedestrian activity, temporary or otherwise, within the construction exclusion zone at any time.

3.6 GENERAL CONSIDERATIONS

Roots can be killed by pollution of the rooting area by chemicals and leaching. Loose, granular or liquid materials, including cement mix and fuel will be stored on an impermeable membrane within the identified storage areas at the front of the property and well away from the identified Tree Root Protection Areas.

Foundation trenches for the new garage will be lined with a non-porous plastic membrane prior to the pouring of any concrete to prevent potentially toxic leaching from the concrete layer into soft landscaped areas where trees may be rooting.

Care will be taken in the planning of deliveries or removal of outbuildings where they require wide or tall loads and plants with booms, rigs or counterweights which can cause serious and permanent damage to trees making their safe retention impossible.

Any transit or traverse of plant in proximity to the trees and or tree protection barriers will be conducted under the supervision of a banksman to ensure that adequate clearance from trees is always maintained.

Materials will be delivered to site regularly in small quantities in order to keep vehicle delivery sizes small and on-site storage to an absolute minimum.

3.7 SERVICES

Services to the new garage will be connected to that of the existing property outside of the root protection area of all trees. There will be no excavation for services within the root protection areas of trees.

If at any point these routes are found not to be viable then a revised plan will be drawn up in consultation with the Arboricultural Consultant and submitted to Wokingham Borough Council for approval.

3.8 LANDSCAPING

The following rules will be followed during all future landscaping works in order to prevent harm to the trees:

- Tree roots can be damaged by severance, compaction, pollution and desiccation. In view of this, there should be no excavation or changes in ground levels within the identified rooting areas of retained trees following completion of the development.

- On completion of the build, new fence panels should include holes or gaps at ground level a minimum of 100x100mm to allow small mammals such as hedgehogs to forage within the property.

- Where new fencing is proposed, post holes within the rooting areas of trees will be dug using a post hole digger to keep hole size to a minimum. Where substantial roots over 30mm are encountered, the location of the hole will be moved in order to avoid them. Post holes will be fully lined in order to prevent concrete coming into direct contact with tree roots.

3.9 UNFORESEEN CIRCUMSTANCES

In the event of unforeseen circumstances whereby it is not possible to work in accordance with the Arboricultural Method Statement then advice should be sought immediately from a qualified Arboriculturist.

THERE SHALL BE NO DEVIATION FROM THIS METHOD STATEMENT WITHOUT CONSULTATION WITH A QUALIFIED ARBORICULTURIST AND / OR THE WRITTEN CONSENT OF THE LOCAL PLANNING AUTHORITY.

APPENDICES

A. Survey Data
B. Key
C. Cascade Chart for Tree Quality Assessment
D. Tree Data
E. Tree Plans
F. Phasing of works
G. Contacts
H. Tree Protection Fencing
I. Qualifications

APPENDIX A - SURVEY DATA

- The trees were surveyed on Thursday 29th May 2025 from ground level only.
- On the day of the survey, the weather conditions were dry and sunny. Visibility was good.
- Heights were estimated as part of a group. Soil samples were not taken.
- The tree survey identified 4 trees and 2 tree groups growing on or adjacent to the site which were relevant to this planning application.
- The trees on site were assessed for their quality and benefits within the context of the proposed development and categorised in accordance with the recommendations in the BS: 5837:2012 – 'Trees in Relation to Design, Demolition and Construction'.

APPENDIX B - KEY

Ref:	T001 = Tree 1	G001 = Group 1
	A001 = Area 1	W001 = Woodland 1

Species: Common name (Botanical name)

Height: Measured with a clinometer (m) where possible or estimated when part of a group

Stem: Stem diameter taken at 1.5m with girth tape or rule and recorded in millimeters

Branch spread: Paced measurements at compass points or with a laser measure.

Crown clearance: Existing height above ground level of canopy and / or first significant branch direction of growth in metres e.g., 2.4 (N) where relevant.

Epics: Lower canopy created by epicormic growth.

Age Class: Newly planted - 3 years following planting.

Young - Tree well established but with juvenile crown form

Young Mature - Tree in first third of usual life expectancy for species

Mature - Tree in second third of usual life expectancy for species

Over Mature - Tree in final third of usual life expectancy for species / exhibiting signs of crown retrenchment & senescence.

Veteran - Older than usual for species or with historical/ cultural / ecological value

General Observations: Made with reference to physiological condition (health, vigour) and structural condition, noting evidence of decay, structural weakness and physical defect and preliminary management recommendations.

Estimated Remaining Contribution: Estimated in years - less than 10, 10-20, 20-40, 40+

BS: 5837:2012 category rating: In accordance with the guidelines of the British Standard.

Category 'A' tree (Green)	Category 'C' tree (Grey)
Category 'B' tree (Blue)	Category 'U' tree – Fell (Red)

RPA Area BS:5837 (2012) Root Protection Area calculation in square metres

RPA Radius BS:5837 (2012) Root Protection Area calculation circle radius in metres. [1]

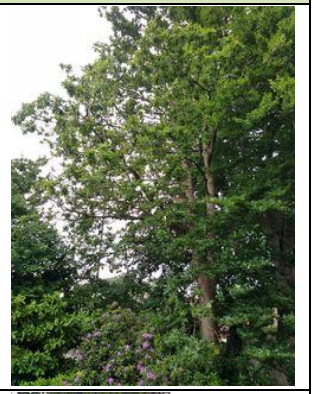
[1] The root protection area radius is for information only and may not be appropriate in every case. BS:5837 advises that *'the RPA for each tree should initially be plotted as a circle centered on the base of the stem. Where pre-existing site conditions or other factors indicate that rooting may have occurred asymmetrically, a polygon of equivalent area should be produced. Modifications to the shape of the RPA should reflect a soundly based arboricultural assessment of likely root distributions.'*

APPENDIX C - BS:5837 (2012) TABLE 1: CASCADE CHART FOR TREE QUALITY ASSESSMENT

CATEGORY & DEFINITION	CRITERIA (including sub-categories where appropriate)		
Trees unsuitable for retention			
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 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		
	Mainly Arboricultural Qualities	Mainly Landscape Qualities	Mainly cultural values including conservation
Trees considered suitable 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 remedial 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 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 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 are 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.

APPENDIX D - TREE DATA

Ref.	Species	Structure	Measurements	Spread	General Observations	Retention Category	RPA	Summary	Photos
H001	Western red cedar x6 *(Thuja plicata)*	Hedge 6 trees	Height (m): 2 6 stems, avg.(mm): 100 Crown Clearance (m): 0 Rem. Contrib.: 20+ Years	N:1 E:1 S:1 W:1	Group of multi-stem trees clipped to form irregular hedge. Golden and fastigiate cultivars in group.	C1	Radius: 1.2m. Area: 22 sq m.	Physiological Condition: Fair Structural Condition: Fair Public Amenity Value: Low	
H002	Portugal laurel x4 *(Prunus lusitanica)*	Hedge 4 trees	Height (m): 2 4 stems, avg.(mm): 70 Crown Clearance (m): 0 Life Stage: Mature Rem. Contrib.: 40+ Years	N:0.5 E:0.5 S:0.5 W:0.5	Clipped hedge. Irregular height.	C2	Radius: 0.8m. Area: 23 sq m.	Physiological Condition: Fair Structural Condition: Fair Public Amenity Value: Low	
T001	Pedunculate oak *(Quercus robur)*	Tree	Height (m): 16 Stem Diam(mm): 660 Crown Clearance (m): 2.5 Life Stage: Mature Rem. Contrib.: 40+ Years	N:3.5 E:7 S:7.5 W:8.5	Foliage clustered and gappy. Deadwood in crown. Tree lacks vitality.	B1	Radius: 7.9m. Area: 196 sq m.	Physiological Condition: Fair Structural Condition: Unknown Public Amenity Value: High Inspection Limitations: Ivy and dense vegetation	

Ref.	Species	Structure	Measurements	Spread	General Observations	Retention Category	RPA	Summary	Photos
T002	Pedunculate oak *(Quercus robur)*	Tree	Height (m): 17 Stem Diam(mm): 680 Crown Clearance (m): 1.5 Life Stage: Mature Rem. Contrib.: 40+ Years	N:5 E:7 S:6 W:2	Swept lower trunk. Twin stem from 4.5m. Foliage sparse and gappy throughout asymmetrical crown. Tree lacks vitality.	B1	Radius: 8.2m. Area: 211 sq m.	Physiological Condition: Poor Structural Condition: Unknown Public Amenity Value: Good Inspection Limitations: Ivy and dense vegetation	
T003	Common beech *(Fagus sylvatica)*	Tree 2 stems	Height (m): 18 2 stems (mm): 600, 400 Crown Clearance (m): 4 Life Stage: Mature Rem. Contrib.: 40+ Years	N:7 E:2 S:6 W:6	Offsite tree. Twin stem from approximately 1m above ground level. No access to base. Minor deadwood. Foliage density normal.	B2	Radius: 8.7m. Area: 238 sq m.	Physiological Condition: Good Structural Condition: Unknown Public Amenity Value: High Inspection Limitations: Access	
T004	Hazel *(Corylus avellana)*	Tree	Height (m): 6 Stem Diam(mm): 600 Crown Clearance (m): 1.5 Life Stage: Mature Rem. Contrib.: 40+ Years	N:4 E:5 S:3.5 W:4	Large, lapsed coppice stool.	C2	Radius: 7.2m. Area: 163 sq m.	Physiological Condition: Good Structural Condition: Fair Public Amenity Value: Good Inspection Limitations: No access due to dense vegetation	

APPENDIX E – TREE PLANS

Attached as separate pdf documents

- Tree Protection Plan ref: 3 LANDEN GROVE TPP 06727 2025

APPENDIX F – PHASING OF WORKS

STAGE 1 (PRE-COMMENCEMENT)

INSTALLATION OF TREE PROTECTION BARRIERS
& TEMPORARY GROUND PROTECTION

↓

SITE MEETING TO SIGN OFF TREE PROTECTION BARRIERS
(NOTIFY LOCAL AUTHORITY -MIN 5 DAYS)

↓

STAGE 2 (DEMOLITION & CONSTRUCTION)

TREE PROTECTION MEASURES TO REMAIN RIGID AND INTACT
THROUGHOUT BUILD WORKS

↓

DEMOLITION OF GARAGE AND REINSTATEMENT OF SOFT LANDSCAPING

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STAGE 3 (POST DEVELOPMENT)

REMOVE TREE PROTECTION MEASURES
NOTIFY LOCAL AUTHORITY -MIN 5 DAYS)

↓

LANDSCAPING WORKS

APPENDIX G – CONTACTS

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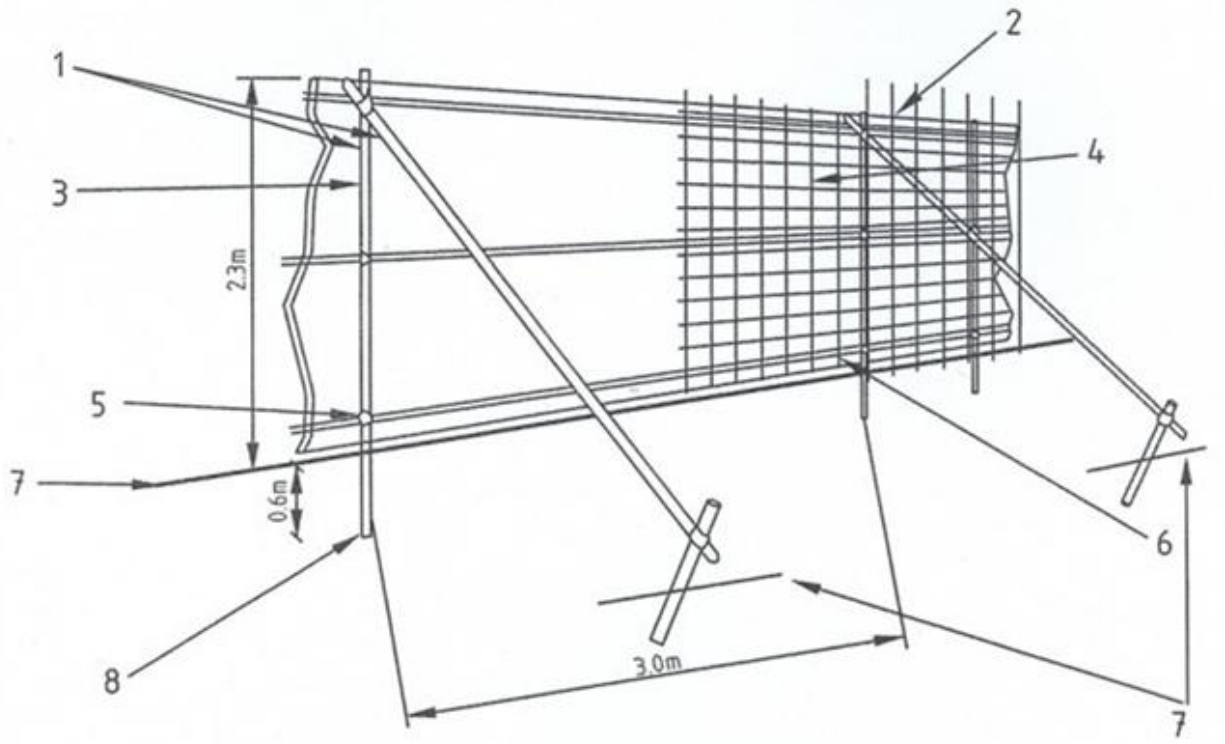
APPENDIX H - TREE PROTECTION FENCING



1 Standard scaffold poles
2 Uprights to be driven into the ground
3 Panels secured to uprights with wire ties and, where necessary, standard scaffold clamps
4 Weldmesh wired to the uprights and horizontals
5 Standard clamps
6 Wire twisted and secured on inside face of fencing to avoid easy dismantling
7 Ground level
8 Approx. 0.6m driven into the ground

APPENDIX I - QUALIFICATIONS

This Arboricultural report has been prepared by Sarah Duckworth, Independent Arboricultural Consultant, trading as Duckworth's Arboriculture Limited.

I have over 20 years' experience working in the field of Arboriculture and for the past 17 years I have worked as a Local Authority Tree Officer both directly and independently providing contracted support. Since 2010 I have worked as a private consultant carrying out a range of Arboricultural Reports and Assessments for private clients.

I hold the Royal Forestry Society's Professional Diploma (Level 6) for which I received the Lockhart Garrett Award. I also hold the Arboricultural Association's Technicians Certificate (with Distinction).

I am a LANTRA qualified Professional Tree Inspector and a Professional Member of the Arboricultural Association.