



DUCKWORTHS
ARBORICULTURE LTD.

BS:5837 ARBORICULTURAL REPORT

TREE SURVEY & CONSTRAINTS ADVICE

OLD LOUMA COTTAGE
HOLLYBUSH RIDE
FINCHAMPSTEAD
BERKSHIRE
RG40 3QR

CLIENT: ROSEMARY SMART

JULY 2023

Ref: SCD 06110 / 2023 0.3

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2. INTRODUCTION

2.1 AUTHORSHIP

This BS:5837 Arboricultural Survey has been prepared by Sarah Duckworth, Arboricultural Consultant.

I have been instructed by Rosemary Smart to survey the trees on site to ascertain the constraints posed by the trees to the installation of a new driveway to Old Louma Cottage, Hollybush Ride which is situated to the rear of Brooklands.

2.2 SCOPE

The British Standard 5837:2012 'Trees in Relation to Design, Demolition and Construction' is designed to assist those concerned with trees in relation to construction to form balanced judgments.

The tree plan which accompanies this report is illustrative and should only be used for dealing with tree issues only.

This report is for planning purposes only and does not constitute a detailed health and safety survey. A quotation can be provided for this service upon request.

This report is not a structural report not and does it consider the structural integrity of the property and its use as such is invalid.

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.

The report is valid for a period of two years from the date of issue being 23rd July 2023 and will expire on 23rd July 2025.

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.

2.3 DOCUMENTS

A topographical survey has been provided by the client. The position of trees not shown on the topographical survey, were plotted by the Tree Surveyor with the assistance of GPS.

The position of these trees should not therefore be taken as exact, but the tree plan is a fair representation of the location of the trees in relation to the property and any proposed building works.

2.4 STATUTORY TREE PROTECTION

TREE PRESERVATION ORDERS

I have confirmed on the Wokingham Borough Council that trees to the rear of Brooklands and within the curtilage of Old Louma Cottage are protected within Woodland 1 of Tree Preservation Order 874/1994. This order protects all trees which were present and which have grown since the Order was served in 1994.

No works should be undertaken to the protected trees on site without the prior written consent of the Local Planning Authority.

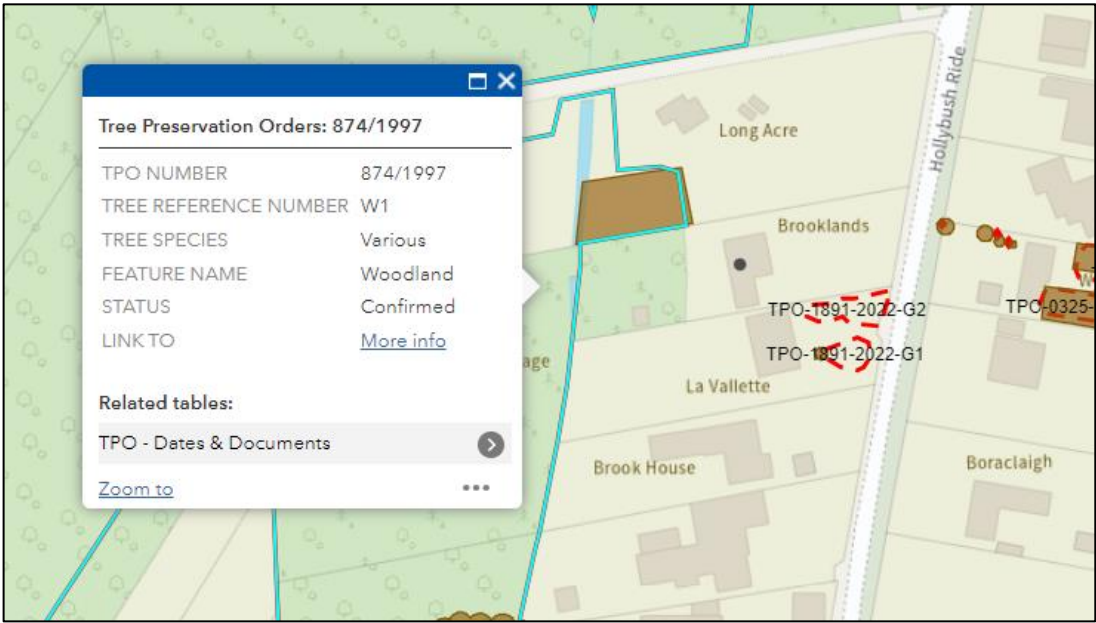


Figure 1 – Wokingham Borough Council Tree Preservation Order Map

CONSERVATION AREA

Brooklands and Old Louma Cottage are not within a conservation area.

ANCIENT WOODLAND

Brooklands and Old Louma Cottage are not within Designated Ancient Woodland or an Ancient Woodland Buffer Zone.

3. SURVEY

3.1 APPRAISAL

The trees were surveyed on Monday 10th July 2023.

The weather conditions clear and dry. Visibility was good.

Heights were estimated where part of a group. Soil samples were not taken.

Trees are dynamic living organisms subject to change, whose health and condition can be subject to significant change influenced by internal and external factors. The assessment of trees in this report are based on the condition assessed at the time of inspection and are valid for 18 months.

If the condition of the trees evidently changes or the trees are subject to extreme weather conditions before this date; further inspection may be required. No tree is ever absolutely safe due to the unpredictable laws and forces of nature.

The tree survey identified 104 individual trees and 5 tree groups growing on or adjacent to the site which were relevant to the building works. 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.

3.2 KEY

Ref:	T001 = Tree 1 A001 = Area 1	G001 = Group 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.'*

4. 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.		
	<u>Mainly Arboricultural Qualities</u>	<u>Mainly Landscape Qualities</u>	<u>Mainly cultural values including conservation</u>
• 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 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.

5. SURVEY DATA

Ref.	Species	Measurements	Spread	General Observations	Retention Category	RPA	Condition
T001	Pedunculate Oak (Quercus robur)	Height (m): 12 Stem Diam(mm): 370 Crown Clearance (m): 6 Life Stage: Mature Rem. Contrib.: 40+ Years	N:4.5 E:3 S:4.5 W:5	Offsite tree, mechanical damage to exposed surface roots.	B2	Radius: 4.4m. Area: 61 sq m.	Physiological Condition: Good Structural Condition: Fair Public Amenity Value: Moderate
T002	Pedunculate Oak (Quercus robur)	Height (m): 9 Stem Diam(mm): 190 Crown Clearance (m): 3.5 Life Stage: Semi Mature Rem. Contrib.: 40+ Years	N:2.5 E:3 S:4 W:2	Small tree, swept stem. Asymmetrical canopy.	C1	Radius: 2.3m. Area: 17 sq m.	Physiological Condition: Fair Structural Condition: Fair Public Amenity Value: Moderate
T003	Pedunculate Oak (Quercus robur)	Height (m): 9 Stem Diam(mm): 220 Crown Clearance (m): 3.5 Life Stage: Semi Mature Rem. Contrib.: 40+ Years	N:2.5 E:2 S:5 W:2.5	Small tree, swept stem. Asymmetrical canopy.	B1,2	Radius: 2.6m. Area: 21 sq m.	Physiological Condition: Fair Structural Condition: Fair Public Amenity Value: Moderate
T004	Pedunculate Oak (Quercus robur)	Height (m): 9 Stem Diam(mm): 260 Crown Clearance (m): 3.5 Life Stage: Semi Mature Rem. Contrib.: 40+ Years	N:4 E:4 S:5.5 W:5	Small tree, swept stem. Asymmetrical canopy.	B1,2	Radius: 3.1m. Area: 30 sq m.	Physiological Condition: Fair Structural Condition: Fair Public Amenity Value: Moderate
G005	Lawson Cypress x9 (Chamaecyparis lawsoniana)	Height (m): 5.5 9 stems, avg.(mm): 120 Rem. Contrib.: 40+ Years	N:2.5 E:2.5 S:2.5 W:2.5	Lapsed hedgerow, many poor form, topped trees	C1	Area: 31 sq m.	Physiological Condition: Fair Structural Condition: Poor Public Amenity Value: Low
T006	Scots Pine (Pinus sylvestris)	Height (m): 16 Stem Diam(mm): 440 Crown Clearance (m): 7 Life Stage: Mature Rem. Contrib.: 40+ Years	N:3 E:3 S:3 W:3	Balanced crown, foliage slightly sparse.	B2	Radius: 5.3m. Area: 88 sq m.	Physiological Condition: Fair Structural Condition: Good Public Amenity Value: Moderate
T007	Silver Birch (Betula pendula)	Height (m): 9 Stem Diam(mm): 130 Crown Clearance (m): 3 Life Stage: Over Mature Rem. Contrib.: <10 years	N:1 E:1 S:1 W:1	Canopy in advanced decline. Frass from boring insects. Upper crown dead. Some live growth on lower trunk.	U	No RPA due to Retention Category of U.	Physiological Condition: Poor Structural Condition: Poor Public Amenity Value: Low

Ref.	Species	Measurements	Spread	General Observations	Retention Category	RPA	Condition
T008	Douglas Fir (<i>Pseudotsuga menziesii</i>)	Height (m): 9 Stem Diam(mm): 190 Crown Clearance (m): 2 Life Stage: Mature Rem. Contrib.: 40+ Years	N:2.5 E:2.5 S:2.5 W:2.5	Swept stem, topped upper crown	C1	Radius: 2.3m. Area: 17 sq m.	Physiological Condition: Fair Structural Condition: Poor Public Amenity Value: Low
T009	Scots Pine (<i>Pinus sylvestris</i>)	Height (m): 16 Stem Diam(mm): 560 Crown Clearance (m): 11 Life Stage: Mature Rem. Contrib.: 40+ Years	N:4 E:4 S:4 W:4	Fair form and vitality	B1	Radius: 6.7m. Area: 141 sq m.	Physiological Condition: Fair Structural Condition: Good Public Amenity Value: Moderate
T010	Sweet Chestnut (<i>Castanea sativa</i>)	Height (m): 14 Stem Diam(mm): 380 Crown Clearance (m): 3 Life Stage: Mature Rem. Contrib.: 40+ Years	N:6 E:4 S:3 W:4	Deadwood in crown.	B2	Radius: 4.6m. Area: 66 sq m.	Physiological Condition: Fair Structural Condition: Fair Public Amenity Value: Moderate
T011	Sweet Chestnut (<i>Castanea sativa</i>)	Height (m): 14 Stem Diam(mm): 500 Crown Clearance (m): 3 Life Stage: Mature Rem. Contrib.: 40+ Years	N:5 E:5 S:5 W:5	Crown lifted. Epicormic growth at base.	B2	Radius: 6.0m. Area: 113 sq m.	Physiological Condition: Fair Structural Condition: Fair Public Amenity Value: Moderate
T015	Pedunculate Oak (<i>Quercus robur</i>)	Height (m): 8 Stem Diam(mm): 400 Crown Clearance (m): 3.5 Life Stage: Mature Rem. Contrib.: 40+ Years	N:4 E:4 S:4 W:1	Topped at 3.5m. Nylon wire included into trunk. Foliage stunted. Canopy reduced. Powdery mildew in canopy	C1	Radius: 4.8m. Area: 72 sq m.	Physiological Condition: Fair Structural Condition: Fair Public Amenity Value: Low
G016	Mixed Species Group	Height (m): 15 Stem Diam(mm): 500 Crown Clearance (m): 5 Life Stage: Mature Rem. Contrib.: 40+ Years	N:5 E:5 S:5 W:5	Linear group of boundary trees. High canopies. Reasonable condition	B2	Radius: 6.0m. Area: 230 sq m.	Physiological Condition: Fair Structural Condition: Fair Public Amenity Value: Moderate
T017	Lawson Cypress (<i>Chamaecyparis lawsoniana</i>)	Height (m): 6 Stem Diam(mm): 140 Crown Clearance (m): 2 Life Stage: Mature Rem. Contrib.: 20+ Years	N:1.5 E:1.5 S:1.5 W:1.5	Topped at 2.5m. Poor form.	C1	Radius: 1.7m. Area: 9 sq m.	Physiological Condition: Fair Structural Condition: Poor Public Amenity Value: Low

Ref.	Species	Measurements	Spread	General Observations	Retention Category	RPA	Condition
T018	Rowan (Sorbus aucuparia)	Height (m): 5 Stem Diam(mm): 50 Crown Clearance (m): 2 Life Stage: Young Rem. Contrib.: 40+ Years	N:1.5 E:1.5 S:1.5 W:1.5	Suppressed in dense Cherry Laurel	C2	Radius: 0.6m. Area: 1 sq m.	Physiological Condition: Fair Structural Condition: Fair Public Amenity Value: Low Inspection Limitations: No access due to dense vegetation
T019	Pedunculate Oak (Quercus robur)	Height (m): 5 Stem Diam(mm): 50 Crown Clearance (m): 2 Life Stage: Young Rem. Contrib.: 40+ Years	N:1.5 E:1.5 S:1.5 W:1.5	Suppressed in dense Cherry Laurel	C2	Radius: 0.6m. Area: 1 sq m.	Physiological Condition: Fair Structural Condition: Fair Public Amenity Value: Low Inspection Limitations: No access due to dense vegetation
T020	Pedunculate Oak (Quercus robur)	Height (m): 5 Stem Diam(mm): 50 Crown Clearance (m): 2 Life Stage: Young Rem. Contrib.: 40+ Years	N:1.5 E:1.5 S:1.5 W:1.5	Suppressed in dense Cherry Laurel	C2	Radius: 0.6m. Area: 1 sq m.	Physiological Condition: Fair Structural Condition: Fair Public Amenity Value: Low Inspection Limitations: No access due to dense vegetation
T021	Silver Birch (Betula pendula)	Height (m): 15 Stem Diam(mm): 200 Crown Clearance (m): 5 Life Stage: Dead	N:1.5 E:1.5 S:1.5 W:1.5	Suppressed in dense Cherry Laurel	U	No RPA due to Retention Category of U.	Physiological Condition: Dead Structural Condition: Poor Public Amenity Value: Low Inspection Limitations: No access due to dense vegetation
T022	Silver Birch (Betula pendula)	Height (m): 16 Stem Diam(mm): 280 Crown Clearance (m): 6 Life Stage: Mature Rem. Contrib.: 20+ Years	N:2 E:5 S:2 W:1	Suppressed in dense Cherry Laurel. Swept stem. May be left vulnerable with removal of adjacent dead tree.	C1	Radius: 3.4m. Area: 36 sq m.	Physiological Condition: Fair Structural Condition: Physical Defect Public Amenity Value: Moderate Inspection Limitations: No access due to dense vegetation
T023	Scots Pine (Pinus sylvestris)	Height (m): 19 Stem Diam(mm): 570 Crown Clearance (m): 7 Life Stage: Mature Rem. Contrib.: 40+ Years	N:2 E:4 S:5 W:5	Balanced crown, deadwood in lower crown, foliage slightly sparse.	B2	Radius: 6.8m. Area: 145 sq m.	Physiological Condition: Fair Structural Condition: Good Public Amenity Value: Moderate
T024	Scots Pine (Pinus sylvestris)	Height (m): 19 Stem Diam(mm): 470 Crown Clearance (m): 10 Life Stage: Mature Rem. Contrib.: 40+ Years	N:3.5 E:3.5 S:3.5 W:3.5	High crown, good vitality.	B2	Radius: 5.6m. Area: 99 sq m.	Physiological Condition: Good Structural Condition: Good Public Amenity Value: Moderate

Ref.	Species	Measurements	Spread	General Observations	Retention Category	RPA	Condition
T025	Scots Pine (Pinus sylvestris)	Height (m): 17 Stem Diam(mm): 270 Crown Clearance (m): 10 Life Stage: Mature Rem. Contrib.: 40+ Years	N:3 E:4 S:0 W:0	Suppressed, asymmetrical crown.	B2	Radius: 3.2m. Area: 32 sq m.	Physiological Condition: Fair Structural Condition: Fair Public Amenity Value: Moderate
T026	Scots Pine (Pinus sylvestris)	Height (m): 12 Stem Diam(mm): 250 Crown Clearance (m): 7 Life Stage: Mature Rem. Contrib.: 20+ Years	N:1.5 E:3 S:1 W:1	Suppressed, asymmetrical crown.	C2	Radius: 3.0m. Area: 28 sq m.	Physiological Condition: Fair Structural Condition: Fair Public Amenity Value: Moderate
T027	Silver Birch (Betula pendula)	Height (m): 11 Stem Diam(mm): 170 Crown Clearance (m): 5 Life Stage: Mature Rem. Contrib.: 20+ Years	N:3 E:5 S:1 W:1	Swept stem, asymmetrical canopy.	C1	Radius: 2.0m. Area: 13 sq m.	Physiological Condition: Fair Structural Condition: Fair Public Amenity Value: Moderate
T028	Scots Pine (Pinus sylvestris)	Height (m): 19 Stem Diam(mm): 350 Crown Clearance (m): 15 Life Stage: Mature Rem. Contrib.: 40+ Years	N:1 E:2.5 S:3.5 W:3.5	Fair form and vitality.	B2	Radius: 4.2m. Area: 55 sq m.	Physiological Condition: Fair Structural Condition: Fair Public Amenity Value: Moderate
T029	Scots Pine (Pinus sylvestris)	Height (m): 21 Stem Diam(mm): 580 Crown Clearance (m): 15 Life Stage: Mature Rem. Contrib.: 40+ Years	N:3 E:5 S:3.5 W:5	Suppressed canopy. Reasonable vitality.	B2	Radius: 7.0m. Area: 154 sq m.	Physiological Condition: Fair Structural Condition: Fair Public Amenity Value: Good
T030	Silver Birch (Betula pendula)	Height (m): 12 2 stems (mm): 170,200 Crown Clearance (m): 5 Life Stage: Mature Rem. Contrib.: 20+ Years	N:3 E:3 S:3 W:3	Ivy clad small tree.	C1	Radius: 3.1m. Area: 30 sq m.	Physiological Condition: Fair Structural Condition: Unknown Public Amenity Value: Low Inspection Limitations: Ivy clad
T031	Scots Pine (Pinus sylvestris)	Height (m): 20 2 stems (mm): 480,260 Crown Clearance (m): 15 Life Stage: Mature Rem. Contrib.: 40+ Years	N:3 E:5 S:3 W:2	Two stems from ground level. Large exposed surface roots. Asymmetrical canopy.	B2	Radius: 6.6m. Area: 137 sq m.	Physiological Condition: Fair Structural Condition: Fair Public Amenity Value: Good

Ref.	Species	Measurements	Spread	General Observations	Retention Category	RPA	Condition
T032	Silver Birch (Betula pendula)	Height (m): 15 Stem Diam(mm): 280 Crown Clearance (m): 4 Life Stage: Mature Rem. Contrib.: 20+ Years	N:3 E:3 S:3 W:3	Slender canopy, foliage slightly sparse.	C1	Radius: 3.4m. Area: 36 sq m.	Physiological Condition: Fair Structural Condition: Fair Public Amenity Value: Low
T033	Silver Birch (Betula pendula)	Height (m): 13 Stem Diam(mm): 300 Crown Clearance (m): 5 Life Stage: Mature Rem. Contrib.: 10+ Years	N:4 E:1.5 S:1.5 W:2	Swept stem. Foliage very sparse and in decline.	C2	Radius: 3.6m. Area: 41 sq m.	Physiological Condition: Poor Structural Condition: Poor Public Amenity Value: Low Inspection Limitations: No access due to dense vegetation
T034	Scots Pine (Pinus sylvestris)	Height (m): 16 Stem Diam(mm): 360 Crown Clearance (m): 10 Life Stage: Mature Rem. Contrib.: 40+ Years	N:2 E:2 S:2 W:2	High, slender crown, good vitality.	B2	Radius: 4.3m. Area: 58 sq m.	Physiological Condition: Good Structural Condition: Good Public Amenity Value: Moderate
T035	Norway Spruce (Picea abies)	Height (m): 12 Stem Diam(mm): 190 Crown Clearance (m): 1 Life Stage: Early Mature Rem. Contrib.: 40+ Years	N:1 E:2 S:2 W:3	Fair form and vitality.	C2	Radius: 2.3m. Area: 17 sq m.	Physiological Condition: Good Structural Condition: Fair Public Amenity Value: Low Inspection Limitations: Access
T036	Norway Spruce (Picea abies)	Height (m): 11 Stem Diam(mm): 170 Crown Clearance (m): 1 Life Stage: Early Mature Rem. Contrib.: 40+ Years	N:1 E:2 S:1 W:2	Fair form and vitality.	C2	Radius: 2.0m. Area: 13 sq m.	Physiological Condition: Good Structural Condition: Fair Public Amenity Value: Low Inspection Limitations: Access
T037	Norway Spruce (Picea abies)	Height (m): 9 Stem Diam(mm): 100 Crown Clearance (m): 1 Life Stage: Early Mature Rem. Contrib.: 40+ Years	N:2 E:2 S:1 W:2	Fair form and vitality.	C2	Radius: 1.2m. Area: 5 sq m.	Physiological Condition: Good Structural Condition: Fair Public Amenity Value: Low Inspection Limitations: Access
T038	Norway Spruce (Picea abies)	Height (m): 7 Stem Diam(mm): 100 Crown Clearance (m): 1 Life Stage: Early Mature Rem. Contrib.: 40+ Years	N:2 E:2 S:2 W:2	Fair form and vitality.	C2	Radius: 1.2m. Area: 5 sq m.	Physiological Condition: Good Structural Condition: Fair Public Amenity Value: Low Inspection Limitations: Access

Ref.	Species	Measurements	Spread	General Observations	Retention Category	RPA	Condition
T039	Silver Birch (Betula pendula)	Height (m): 11 5 stems, avg.(mm): 100 Crown Clearance (m): 2 Life Stage: Mature Rem. Contrib.: 20+ Years	N:3 E:1 S:1 W:4.5	Regeneration of felled stump. Decay at base.	C2	Radius: 2.7m. Area: 23 sq m.	Physiological Condition: Fair Structural Condition: Poor Public Amenity Value: Low
T040	Apple (Malus sp.)	Height (m): 6 Stem Diam(mm): 100 Crown Clearance (m): 1 Life Stage: Early Mature Rem. Contrib.: 40+ Years	N:2 E:1 S:1.5 W:2.5	Small fruit tree.	C2	Radius: 1.2m. Area: 5 sq m.	Physiological Condition: Good Structural Condition: Fair Public Amenity Value: Low
T041	Crab Apple (Malus sylvestris)	Height (m): 4 Stem Diam(mm): 70 Crown Clearance (m): 1.5 Life Stage: Early Mature Rem. Contrib.: 40+ Years	N:2.5 E:2.5 S:2.5 W:2.5	Small fruit tree	C2	Radius: 0.8m. Area: 2 sq m.	Physiological Condition: Fair Structural Condition: Fair Public Amenity Value: Low
G042	Nootka Cypress x3 (Chamaecyparis nootkensis)	Height (m): 4 3 stems, avg.(mm): 50 Crown Clearance (m): 0 Life Stage: Young Rem. Contrib.: 40+ Years	N:1.5 E:1.5 S:1.5 W:1.5	Hedge planting, not maintained.	C2	Radius: 0.6m. Area: 4 sq m.	Physiological Condition: Good Structural Condition: Fair Public Amenity Value: Low
T043	Scots Pine (Pinus sylvestris)	Height (m): 20 Stem Diam(mm): 400 Crown Clearance (m): 17 Life Stage: Mature Rem. Contrib.: 40+ Years	N:3.5 E:3.5 S:3.5 W:3.5	Slender, high canopy.	B1	Radius: 4.8m. Area: 72 sq m.	Physiological Condition: Good Structural Condition: Good Public Amenity Value: Moderate
T044	Scots Pine (Pinus sylvestris)	Height (m): 21 Stem Diam(mm): 660 Crown Clearance (m): 17 Life Stage: Mature Rem. Contrib.: 20+ Years	N:5 E:3.5 S:4 W:3	Slender, high canopy. Weak fork at approximately 10m above ground level.	C1	Radius: 7.9m. Area: 196 sq m.	Physiological Condition: Good Structural Condition: Good Public Amenity Value: Moderate
T045	Pedunculate Oak (Quercus robur)	Height (m): 16 Stem Diam(mm): 350 Crown Clearance (m): 2 Life Stage: Mature Rem. Contrib.: 40+ Years	N:4.5 E:4.5 S:4.5 W:4.5	Minor deadwood in crown. Reasonable vitality.	B2	Radius: 4.2m. Area: 55 sq m.	Physiological Condition: Good Structural Condition: Fair Public Amenity Value: Moderate

Ref.	Species	Measurements	Spread	General Observations	Retention Category	RPA	Condition
T046	Silver Birch (Betula pendula)	Height (m): 19 Stem Diam(mm): 580 Crown Clearance (m): 4 Life Stage: Mature Rem. Contrib.: 20+ Years	N:5 E:7.5 S:5 W:4.5	Ivy clad mature tree	B1	Radius: 7.0m. Area: 154 sq m.	Physiological Condition: Good Structural Condition: Fair Public Amenity Value: Moderate Inspection Limitations: Ivy clad
T047	Silver Birch (Betula pendula)	Height (m): 16 Stem Diam(mm): 340 Crown Clearance (m): 5 Life Stage: Mature Rem. Contrib.: 20+ Years	N:2 E:2 S:2 W:2	Decay from second stem at base.	C1	Radius: 4.1m. Area: 53 sq m.	Physiological Condition: Fair Structural Condition: Fair Public Amenity Value: Low
T048	Silver Birch (Betula pendula)	Height (m): 15 3 stems, avg.(mm): 260 Crown Clearance (m): 5 Life Stage: Mature Rem. Contrib.: 20+ Years	N:3 E:3 S:3 W:3	Three stems from ground level.	C2	Radius: 5.4m. Area: 92 sq m.	Physiological Condition: Fair Structural Condition: Poor Public Amenity Value: Low Inspection Limitations: Access
T049	Scots Pine (Pinus sylvestris)	Height (m): 20 Stem Diam(mm): 400 Crown Clearance (m): 17 Life Stage: Mature Rem. Contrib.: 40+ Years	N:3.5 E:3.5 S:3.5 W:3.5	Slender, high canopy.	B1	Radius: 4.8m. Area: 72 sq m.	Physiological Condition: Good Structural Condition: Good Public Amenity Value: Moderate
T050	Scots Pine (Pinus sylvestris)	Height (m): 20 Stem Diam(mm): 400 Crown Clearance (m): 17 Life Stage: Mature Rem. Contrib.: 40+ Years	N:3.5 E:1 S:0 W:3.5	Asymmetrical canopy, suppressed form.	B1	Radius: 4.8m. Area: 72 sq m.	Physiological Condition: Good Structural Condition: Good Public Amenity Value: Moderate
T051	Wild Cherry (Prunus avium)	Height (m): 11 Stem Diam(mm): 260 Crown Clearance (m): 1.5 Life Stage: Semi Mature Rem. Contrib.: 40+ Years	N:3 E:3 S:3 W:3	Fair form and vitality.	C2	Radius: 3.1m. Area: 30 sq m.	Physiological Condition: Fair Structural Condition: Fair Public Amenity Value: Low
T052	Scots Pine (Pinus sylvestris)	Height (m): 21 Stem Diam(mm): 770 Crown Clearance (m): 9 Life Stage: Mature Rem. Contrib.: 40+ Years	N:5 E:3 S:3.5 W:5	Asymmetrical canopy, slightly curved trunk.	B1	Radius: 9.2m. Area: 266 sq m.	Physiological Condition: Good Structural Condition: Good Public Amenity Value: Moderate

Ref.	Species	Measurements	Spread	General Observations	Retention Category	RPA	Condition
T053	Pedunculate Oak (Quercus robur)	Height (m): 16 Stem Diam(mm): 430 Crown Clearance (m): 3 Life Stage: Mature Rem. Contrib.: 40+ Years	N:6 E:5 S:5 W:6.5	Minor deadwood in crown. Reasonable vitality.	B2	Radius: 5.2m. Area: 85 sq m.	Physiological Condition: Good Structural Condition: Fair Public Amenity Value: Moderate
T054	Norway Spruce (Picea abies)	Height (m): 17 Stem Diam(mm): 320 Crown Clearance (m): 2 Life Stage: Early Mature Rem. Contrib.: 40+ Years	N:3.5 E:3.5 S:3.5 W:3.5	Fair form and vitality.	B1	Radius: 3.8m. Area: 45 sq m.	Physiological Condition: Good Structural Condition: Fair Public Amenity Value: Low Inspection Limitations: Access
T055	Scots Pine (Pinus sylvestris)	Height (m): 20 Stem Diam(mm): 580 Crown Clearance (m): 17 Life Stage: Mature Rem. Contrib.: 40+ Years	N:2 E:3 S:5 W:3.5	Fair form and vitality.	B1	Radius: 7.0m. Area: 154 sq m.	Physiological Condition: Fair Structural Condition: Fair Public Amenity Value: Moderate
T056	Sycamore (Acer pseudoplatanus)	Height (m): 13 Stem Diam(mm): 270 Crown Clearance (m): 3 Life Stage: Semi Mature Rem. Contrib.: 40+ Years	N:4.5 E:3 S:4.5 W:5	Young, vigorous tree. Asymmetrical crown.	C1	Radius: 3.2m. Area: 32 sq m.	Physiological Condition: Good Structural Condition: Fair Public Amenity Value: Low
T057	Scots Pine (Pinus sylvestris)	Height (m): 21 Stem Diam(mm): 680 Crown Clearance (m): 17 Life Stage: Mature Rem. Contrib.: 40+ Years	N:4 E:4 S:4 W:4	Fair form and vitality.	B1	Radius: 8.2m. Area: 211 sq m.	Physiological Condition: Fair Structural Condition: Fair Public Amenity Value: Moderate
T058	Scots Pine (Pinus sylvestris)	Height (m): 19 Stem Diam(mm): 780 Crown Clearance (m): 12 Life Stage: Mature Rem. Contrib.: 40+ Years	N:4 E:6 S:5 W:7	Twin stem and weak fork from 2.5m. included bark. Deadwood in crown.	B1	Radius: 9.4m. Area: 278 sq m.	Physiological Condition: Fair Structural Condition: Physical Defect Public Amenity Value: Moderate
T059	Common Holly (Ilex aquifolium)	Height (m): 6 Stem Diam(mm): 120 Crown Clearance (m): 0 Rem. Contrib.: 40+ Years	N:2 E:2 S:2 W:2	Swept stem, suppressed form.	C2	Radius: 1.4m. Area: 6 sq m.	Physiological Condition: Fair Structural Condition: Fair Public Amenity Value:
T060	European Larch (Larix decidua)	Height (m): 18 Stem Diam(mm): 300 Crown Clearance (m): 7 Life Stage: Dead	N:3 E:3 S:3 W:3	Standing dead tree	U	No RPA due to Retention Category of U.	Physiological Condition: Dead Structural Condition: Decaying Public Amenity Value: Low Inspection Limitations: No access due to dense vegetation

Ref.	Species	Measurements	Spread	General Observations	Retention Category	RPA	Condition
T061	Silver Birch (Betula pendula)	Height (m): 14 Stem Diam(mm): 140 Crown Clearance (m): 4 Life Stage: Mature Rem. Contrib.: 20+ Years	N:2 E:2 S:2 W:2	Slender tree, swept stem over neighbouring property.	C2	Radius: 1.7m. Area: 9 sq m.	Physiological Condition: Fair Structural Condition: Fair Public Amenity Value: Low Inspection Limitations: No access due to dense vegetation
T062	Pedunculate Oak (Quercus robur)	Height (m): 8 Stem Diam(mm): 90 Crown Clearance (m): 1.5 Life Stage: Young Rem. Contrib.: 40+ Years	N:3 E:3 S:4 W:4	Young tree with long term potential.	C2	Radius: 1.1m. Area: 4 sq m.	Physiological Condition: Fair Structural Condition: Fair Public Amenity Value: Low
T063	Blackthorn (Prunus spinosa)	Height (m): 6 2 stems, avg.(mm): 50 Crown Clearance (m): 1.5 Life Stage: Early Mature Rem. Contrib.: 40+ Years	N:1.5 E:1.5 S:1.5 W:1.5	Twin stem from 1m with entwined trunks.	C2	Radius: 0.9m. Area: 3 sq m.	Physiological Condition: Fair Structural Condition: Fair Public Amenity Value: Low
T064	Scots Pine (Pinus sylvestris)	Height (m): 20 Stem Diam(mm): 580 Crown Clearance (m): 17 Life Stage: Mature Rem. Contrib.: 40+ Years	N:2 E:3 S:5 W:3.5	Fair form and vitality.	B1	Radius: 7.0m. Area: 154 sq m.	Physiological Condition: Fair Structural Condition: Fair Public Amenity Value: Moderate
T065	European Larch (Larix decidua)	Height (m): 17 Stem Diam(mm): 570 Crown Clearance (m): 12 Life Stage: Mature Rem. Contrib.: 40+ Years	N:5 E:2 S:4 W:7	Swept stem. Previously topped around 11m.	B1	Radius: 6.8m. Area: 145 sq m.	Physiological Condition: Fair Structural Condition: Fair Public Amenity Value: Moderate
T066	European Larch (Larix decidua)	Height (m): 19 Stem Diam(mm): 610 Crown Clearance (m): 12 Life Stage: Mature Rem. Contrib.: 40+ Years	N:4 E:4 S:4 W:7	Topped around 11m with three main stems above topping point.	B1	Radius: 7.3m. Area: 167 sq m.	Physiological Condition: Fair Structural Condition: Physical Defect Public Amenity Value: Moderate
T067	Pedunculate Oak (Quercus robur)	Height (m): 8 Stem Diam(mm): 170 Crown Clearance (m): 1.5 Life Stage: Young Rem. Contrib.: 40+ Years	N:3 E:1 S:3 W:4	Young tree with long term potential.	C2	Radius: 2.0m. Area: 13 sq m.	Physiological Condition: Fair Structural Condition: Fair Public Amenity Value: Low

Ref.	Species	Measurements	Spread	General Observations	Retention Category	RPA	Condition
T068	European Larch (Larix decidua)	Height (m): 16 Stem Diam(mm): 340 Crown Clearance (m): 8 Life Stage: Mature Rem. Contrib.: 40+ Years	N:2 E:2 S:2 W:2	Slender tree localised dieback in canopy.	C2	Radius: 4.1m. Area: 53 sq m.	Physiological Condition: Fair Structural Condition: Fair Public Amenity Value: Low
T069	Wild Cherry (Prunus avium)	Height (m): 6 Stem Diam(mm): 120 Crown Clearance (m): 1 Life Stage: Dead	N:1 E:1 S:4 W:4	Swept stem. Canopy dead.	U	No RPA due to Retention Category of U.	Physiological Condition: Dead Structural Condition: Poor Public Amenity Value: Low
T070	Pedunculate Oak (Quercus robur)	Height (m): 11 Stem Diam(mm): 260 Crown Clearance (m): 4 Life Stage: Young Rem. Contrib.: 40+ Years	N:3 E:1 S:4.5 W:4	Young tree asymmetrical canopy.	C2	Radius: 3.1m. Area: 30 sq m.	Physiological Condition: Fair Structural Condition: Fair Public Amenity Value: Low
T071	Blackthorn (Prunus spinosa)	Height (m): 9 Stem Diam(mm): 180 Crown Clearance (m): 2 Life Stage: Early Mature Rem. Contrib.: 40+ Years	N:0 E:2 S:5 W:2	Kinked trunk, swept stem. Asymmetrical canopy.	C2	Radius: 2.2m. Area: 15 sq m.	Physiological Condition: Fair Structural Condition: Fair Public Amenity Value: Low
T072	Pedunculate Oak (Quercus robur)	Height (m): 9 Stem Diam(mm): 200 Crown Clearance (m): 2 Life Stage: Early Mature Rem. Contrib.: 10+ Years	N:0 E:3 S:6 W:2	Kinked trunk, swept stem. Asymmetrical canopy. Canopy touching roof of building	U	No RPA due to Retention Category of U.	Physiological Condition: Fair Structural Condition: Poor Public Amenity Value: Low
T073	European Larch (Larix decidua)	Height (m): 19 Stem Diam(mm): 740 Crown Clearance (m): 12 Life Stage: Mature Rem. Contrib.: 40+ Years	N:6 E:6 S:6 W:6	Ivy clad mature tree	B1	Radius: 8.9m. Area: 249 sq m.	Physiological Condition: Fair Structural Condition: Fair Public Amenity Value: Moderate
T074	Wild Cherry (Prunus avium)	Height (m): 6 Stem Diam(mm): 90 Crown Clearance (m): 1 Life Stage: Dead	N:3 E:3 S:3 W:3	Swept stem. Canopy dead.	U	No RPA due to Retention Category of U.	Physiological Condition: Dead Structural Condition: Poor Public Amenity Value: Low
T075	Sweet Chestnut (Castanea sativa)	Height (m): 4 Stem Diam(mm): 70 Crown Clearance (m): 2 Life Stage: Young Rem. Contrib.: 40+ Years	N:4 E:3 S:3 W:3	Young sapling.	C2	Radius: 0.8m. Area: 2 sq m.	Physiological Condition: Good Structural Condition: Fair Public Amenity Value: Low

Ref.	Species	Measurements	Spread	General Observations	Retention Category	RPA	Condition
T076	Lawson Cypress (<i>Chamaecyparis lawsoniana</i>)	Height (m): 17 Stem Diam(mm): 350 Crown Clearance (m): 2 Life Stage: Mature Rem. Contrib.: 40+ Years	N:2 E:2 S:2 W:2	Slender conifer, 1.3m from building.	C2	Radius: 4.2m. Area: 55 sq m.	Physiological Condition: Good Structural Condition: Fair Public Amenity Value: Low
T077	Lawson Cypress (<i>Chamaecyparis lawsoniana</i>)	Height (m): 17 Stem Diam(mm): 330 Crown Clearance (m): 2 Life Stage: Mature Rem. Contrib.: 40+ Years	N:2 E:2 S:2 W:2	Slender conifer, 2.3m from building.	C2	Radius: 4.0m. Area: 50 sq m.	Physiological Condition: Good Structural Condition: Fair Public Amenity Value: Low
T078	Sweet Chestnut (<i>Castanea sativa</i>)	Height (m): 16 Stem Diam(mm): 540 Crown Clearance (m): 3 Life Stage: Mature Rem. Contrib.: 40+ Years	N:5 E:5 S:5 W:7	Swept stem and kinked upper crown.	B2	Radius: 6.5m. Area: 133 sq m.	Physiological Condition: Fair Structural Condition: Physical Defect Public Amenity Value: Low
T079	Norway Maple (<i>Acer platanoides</i>)	Height (m): 16 Stem Diam(mm): 220 Crown Clearance (m): 2 Life Stage: Early Mature Rem. Contrib.: 40+ Years	N:2.5 E:2.5 S:2.5 W:2.5	Slender ivy clad tree. Off site.	B1	Radius: 2.6m. Area: 21 sq m.	Physiological Condition: Fair Structural Condition: Fair Public Amenity Value: Low Inspection Limitations: Access
T080	Pedunculate Oak (<i>Quercus robur</i>)	Height (m): 16 Stem Diam(mm): 260 Crown Clearance (m): 5 Rem. Contrib.: 40+ Years	N:5 E:5 S:5 W:5	Young tree, fair form and vitality	B2	Radius: 3.1m. Area: 30 sq m.	Physiological Condition: Good Structural Condition: Good Public Amenity Value: Low
T081	Pedunculate Oak (<i>Quercus robur</i>)	Height (m): 14 Stem Diam(mm): 380 Crown Clearance (m): 1.5 Life Stage: Early Mature Rem. Contrib.: 40+ Years	N:3 E:4 S:4.5 W:3.5	Young tree, suppressed. Epicormic growth on upper branches.	B2	Radius: 4.6m. Area: 66 sq m.	Physiological Condition: Fair Structural Condition: Fair Public Amenity Value: Low
T082	Goat Willow (<i>Salix caprea</i>)	Height (m): 9 Stem Diam(mm): 330 Crown Clearance (m): 1.5 Life Stage: Mature Rem. Contrib.: 10+ Years	E:5 S:7 W:1	Swept stem, basal decay.	C1	Radius: 4.0m. Area: 50 sq m.	Physiological Condition: Fair Structural Condition: Collapsing Public Amenity Value: Low
T083	Common Holly (<i>Ilex aquifolium</i>)	Height (m): 6 Stem Diam(mm): 90 Crown Clearance (m): 0 Life Stage: Young Rem. Contrib.: 40+ Years	N:2.5 E:2.5 S:2.5 W:2.5	Young tree, well formed.	C2	Radius: 1.1m. Area: 4 sq m.	Physiological Condition: Fair Structural Condition: Good Public Amenity Value: Low

Ref.	Species	Measurements	Spread	General Observations	Retention Category	RPA	Condition
T084	Silver Birch (Betula pendula)	Height (m): 12 2 stems, avg.(mm): 180 Crown Clearance (m): 5 Life Stage: Mature Rem. Contrib.: <10 years	N:0 E:2 S:6 W:1	Swept stems, basal decay.	U	No RPA due to Retention Category of U.	Physiological Condition: Fair Structural Condition: Decaying Public Amenity Value: Low
T085	Silver Birch (Betula pendula)	Height (m): 10 Stem Diam(mm): 300 Crown Clearance (m): 9 Life Stage: Dead Rem. Contrib.: <10 years	N:1 E:1 S:1 W:1	Swept stems, basal decay.	U	No RPA due to Retention Category of U.	Physiological Condition: Dead Structural Condition: Decaying Public Amenity Value: Low
T086	Pedunculate Oak (Quercus robur)	Height (m): 15 Stem Diam(mm): 350 Crown Clearance (m): 4 Life Stage: Mature Rem. Contrib.: 40+ Years	N:4.5 E:3 S:3 W:4	Young tree, suppressed form. Lower branches aborted due to lack of light.	B2	Radius: 4.2m. Area: 55 sq m.	Physiological Condition: Fair Structural Condition: Fair Public Amenity Value: Low
T087	Wild Cherry (Prunus avium)	Height (m): 9 Stem Diam(mm): 140 Crown Clearance (m): 5 Life Stage: Mature Rem. Contrib.: 20+ Years	N:3 E:2 S:1 W:1	Foliage sparse, lacking vitality.	C2	Radius: 1.7m. Area: 9 sq m.	Physiological Condition: Fair Structural Condition: Fair Public Amenity Value: Low
T088	Norway Spruce (Picea abies)	Height (m): 15 Stem Diam(mm): 330 Crown Clearance (m): 2 Life Stage: Mature Rem. Contrib.: 40+ Years	N:2.5 E:2.5 S:2.5 W:2.5	Slender well formed tree.	C1	Radius: 4.0m. Area: 50 sq m.	Physiological Condition: Good Structural Condition: Fair Public Amenity Value: Low
T089	Pedunculate Oak (Quercus robur)	Height (m): 15 Stem Diam(mm): 210 Crown Clearance (m): 9 Life Stage: Mature Rem. Contrib.: 40+ Years	N:2.5 E:2.5 S:2.5 W:2.5	Slender well formed tree.	C1	Radius: 2.5m. Area: 20 sq m.	Physiological Condition: Good Structural Condition: Fair Public Amenity Value: Low
T090	Wild Cherry (Prunus avium)	Height (m): 8 Stem Diam(mm): 300 Crown Clearance (m): 4 Life Stage: Dead	N:3 E:3 S:3 W:3	Standing dead tree, habitat value.	U	No RPA due to Retention Category of U.	Physiological Condition: Dead Structural Condition: Poor Public Amenity Value: Low
T091	Pedunculate Oak (Quercus robur)	Height (m): 18 Stem Diam(mm): 530 Crown Clearance (m): 1.5 Life Stage: Mature Rem. Contrib.: 40+ Years	N:7 E:7 S:5 W:3	Swept stem, asymmetrical canopy. Fair form and vitality.	B2	Radius: 6.4m. Area: 129 sq m.	Physiological Condition: Fair Structural Condition: Fair Public Amenity Value: Low

Ref.	Species	Measurements	Spread	General Observations	Retention Category	RPA	Condition
T092	Douglas Fir (<i>Pseudotsuga menziesii</i>)	Height (m): 21 Stem Diam(mm): 640 Crown Clearance (m): 8 Life Stage: Mature Rem. Contrib.: 40+ Years	N:4.5 E:4.5 S:1 W:4.5	Fair form and vitality.	B1	Radius: 7.7m. Area: 186 sq m.	Physiological Condition: Good Structural Condition: Fair Public Amenity Value: Moderate
T093	Douglas Fir (<i>Pseudotsuga menziesii</i>)	Height (m): 21 Stem Diam(mm): 700 Crown Clearance (m): 8 Life Stage: Mature Rem. Contrib.: 40+ Years	N:3 E:3 S:1 W:4	Fair form and vitality.	B1	Radius: 8.4m. Area: 222 sq m.	Physiological Condition: Good Structural Condition: Fair Public Amenity Value: Moderate
T094	European Larch (<i>Larix decidua</i>)	Height (m): 21 Stem Diam(mm): 800 Crown Clearance (m): 7 Life Stage: Mature Rem. Contrib.: 40+ Years	N:3 E:5.5 S:1 W:7	Needles sparse. Asymmetrical crown. Deadwood in canopy.	B1	Radius: 9.6m. Area: 290 sq m.	Physiological Condition: Good Structural Condition: Fair Public Amenity Value: Moderate
T095	Lawson Cypress (<i>Chamaecyparis lawsoniana</i>)	Height (m): 13 Stem Diam(mm): 360 Crown Clearance (m): 2 Life Stage: Mature Rem. Contrib.: 40+ Years	N:2.5 E:2.5 S:2.5 W:2.5	Slender conifer, feathered form.	C2	Radius: 4.3m. Area: 58 sq m.	Physiological Condition: Good Structural Condition: Fair Public Amenity Value: Low
T096	Scots Pine (<i>Pinus sylvestris</i>)	Height (m): 15 Stem Diam(mm): 360 Crown Clearance (m): 2 Life Stage: Mature Rem. Contrib.: 40+ Years	N:2 E:2 S:2 W:2	Slender conifer, base and trunk obscured by dense ivy growth.	C2	Radius: 4.3m. Area: 58 sq m.	Physiological Condition: Good Structural Condition: Fair Public Amenity Value: Moderate Inspection Limitations: Ivy
T097	Silver Birch (<i>Betula pendula</i>)	Height (m): 6.5 Stem Diam(mm): 450 Life Stage: Over Mature	N:0 E:0 S:0 W:0	Standing monolith. Habitat value. Fungus: Fomitopsis betulina (<i>Piptoporus betulinus</i>)	U	No RPA due to Retention Category of U.	Physiological Condition: Dead Structural Condition: Decaying Public Amenity Value: Low Inspection Limitations: No access due to dense vegetation
T098	Rowan (<i>Sorbus aucuparia</i>)	Height (m): 8 2 stems, avg.(mm): 170 Crown Clearance (m): 2 Life Stage: Mature Rem. Contrib.: 40+ Years	N:2.5 E:2.5 S:2.5 W:2.5	Fair form and vitality	C2	Radius: 2.9m. Area: 26 sq m.	Physiological Condition: Good Structural Condition: Fair Public Amenity Value: Low

Ref.	Species	Measurements	Spread	General Observations	Retention Category	RPA	Condition
T099	Silver Birch (Betula pendula)	Height (m): 5.5 Stem Diam(mm): 60 Crown Clearance (m): 1.5 Life Stage: Young Rem. Contrib.: 20+ Years	N:1.5 E:1.5 S:1.5 W:1.5	Stem wounds	C2	Radius: 0.7m. Area: 2 sq m.	Physiological Condition: Good Structural Condition: Physical Defect Public Amenity Value: Low
T100	Sweet Chestnut (Castanea sativa)	Height (m): 11 Stem Diam(mm): 400 Crown Clearance (m): 3 Life Stage: Mature Rem. Contrib.: 20+ Years	N:4 E:4 S:4 W:4	Suppressed form, curved trunk. Ivy clad. No access to base.	C1	Radius: 4.8m. Area: 72 sq m.	Physiological Condition: Fair Structural Condition: Fair Public Amenity Value: Low Inspection Limitations: Ivy clad
T101	Not identified (Not identified)	Height (m): 6 Stem Diam(mm): 350 Life Stage: Over Mature	N:0 E:0 S:0 W:0	Standing monolith. Habitat value.	U	No RPA due to Retention Category of U.	Physiological Condition: Dead Structural Condition: Decaying Public Amenity Value: Low Inspection Limitations: Ivy clad
T102	Pedunculate Oak (Quercus robur)	Height (m): 5 Stem Diam(mm): 200 Crown Clearance (m): 2 Life Stage: Mature Rem. Contrib.: 40+ Years	N:1 E:3 S:5 W:3	Swept stem, ivy clad tree.	C1	Radius: 2.4m. Area: 18 sq m.	Physiological Condition: Good Structural Condition: Fair Public Amenity Value: Low Inspection Limitations: No access due to dense vegetation
T103	Pedunculate Oak (Quercus robur)	Height (m): 12 Stem Diam(mm): 320 Crown Clearance (m): 3 Life Stage: Mature Rem. Contrib.: 40+ Years	N:5 E:5 S:5 W:5	Small tree, ivy clad.	B2	Radius: 3.8m. Area: 45 sq m.	Physiological Condition: Fair Structural Condition: Fair Public Amenity Value: Low Inspection Limitations: Ivy clad
T104	Silver Birch (Betula pendula)	Height (m): 12 Stem Diam(mm): 310 Crown Clearance (m): 9 Life Stage: Mature Rem. Contrib.: 20+ Years	N:1.5 E:1.5 S:1.5 W:1.5	Slender tree, high canopy.	C1	Radius: 3.7m. Area: 43 sq m.	Physiological Condition: Fair Structural Condition: Fair Public Amenity Value: Low Inspection Limitations: No access due to dense vegetation
T105	Pedunculate Oak (Quercus robur)	Height (m): 12 Stem Diam(mm): 320 Crown Clearance (m): 3 Life Stage: Mature Rem. Contrib.: 40+ Years	N:5 E:5 S:5 W:5	Small tree, ivy clad.	B2	Radius: 3.8m. Area: 45 sq m.	Physiological Condition: Fair Structural Condition: Fair Public Amenity Value: Low Inspection Limitations: Ivy clad
T106	Pedunculate Oak (Quercus robur)	Height (m): 18 Stem Diam(mm): 650 Crown Clearance (m): 7 Life Stage: Mature Rem. Contrib.: 40+ Years	N:5.5 E:5 S:7 W:5	Ivy clad mature tree with high, broad canopy.	B2	Radius: 7.8m. Area: 191 sq m.	Physiological Condition: Good Structural Condition: Fair Public Amenity Value: Moderate Inspection Limitations: Ivy clad

Ref.	Species	Measurements	Spread	General Observations	Retention Category	RPA	Condition
T107	Pedunculate Oak (Quercus robur)	Height (m): 16 Stem Diam(mm): 440 Crown Clearance (m): 4 Life Stage: Mature Rem. Contrib.: 40+ Years	N:9.5 E:3 S:1 W:5	Ivy clad mature tree with high, asymmetrical canopy.	B2	Radius: 5.3m. Area: 88 sq m.	Physiological Condition: Good Structural Condition: Fair Public Amenity Value: Moderate Inspection Limitations: Ivy clad
T108	Silver Birch (Betula pendula)	Height (m): 12 Stem Diam(mm): 310 Crown Clearance (m): 9 Life Stage: Mature Rem. Contrib.: 20+ Years	N:1.5 E:1.5 S:1.5 W:1.5	Slender tree, high canopy.	C1	Radius: 3.7m. Area: 43 sq m.	Physiological Condition: Fair Structural Condition: Fair Public Amenity Value: Low Inspection Limitations: No access due to dense vegetation
G109	Mixed Species Group	Height (m): 7 Stem Diam(mm): 200 Crown Clearance (m): 0 Rem. Contrib.: 40+ Years	N:3 E:3 S:3 W:3	Occasional Rowan, Oak and Holly saplings growing in dense Rhododendron.	C2	Area: 174 sq m.	Physiological Condition: Fair Structural Condition: Fair Public Amenity Value: Low Inspection Limitations: No access due to dense vegetation
T110	Norway Spruce (Picea abies)	Height (m): 5.5 Stem Diam(mm): 100 Crown Clearance (m): 2 Life Stage: Early Mature Rem. Contrib.: 20+ Years	N:1.5 E:1.5 S:1.5 W:1.5	Topped tree, poor form	C1	Radius: 1.2m. Area: 5 sq m.	Physiological Condition: Fair Structural Condition: Poor Public Amenity Value: Low Inspection Limitations: Access
T111	Norway Spruce (Picea abies)	Height (m): 7 Stem Diam(mm): 100 Crown Clearance (m): 2 Life Stage: Early Mature Rem. Contrib.: 20+ Years	N:1.5 E:1.5 S:1.5 W:1.5	Slender tree, needles sparse.	C1	Radius: 1.2m. Area: 5 sq m.	Physiological Condition: Fair Structural Condition: Fair Public Amenity Value: Low Inspection Limitations: Access

6. ARBORICULTURAL CONSTRAINTS

6.1 TREES APPRAISAL

Total Number of individual trees surveyed:	104
Total Number of tree groups surveyed:	4
Number of category 'A' trees / groups:	0
Number of category 'B' trees / groups:	43
Number of category 'C' trees / groups:	54
Number of category 'U' trees:	11

6.2 BS:5837 INTERPRETATION

The suitability of planning development in relation to trees will be assessed by the Local Authority 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 RPA's of trees to be retained.

A Local Authority can reject a scheme if they feel it will create a layout where future occupants will want to reduce or remove protected trees to alleviate issues of shading, light loss, leaf fall etc. Also, where tree work will inevitably be required to prevent tree canopies coming into direct contact with properties or simply in response to a natural anxiety from having very large trees close to or overbearing in relation to the property.

Cutting trees' canopies back in order to allow development to be constructed within a tree's natural canopy space results in conflict with trees and is generally considered to be unsustainable in the long term. Reasonable 'future growth space' should be maintained between the tree's canopies and the proposed building work.

Consideration must be given not only to the footprints of new / replacement buildings but any associated new areas of hard standing – patio and driveways associated with the

new buildings and changes in ground levels and the impact this may have on tree roots.

6.3 PLANNING POLICY

Wokingham Borough Council Planning Policy

CC03: Green Infrastructure, Trees and Landscaping

1. *Green Routes and Green Route Enhancement Areas are defined on the Policies Map.*
2. *Development proposals should demonstrate how they have considered and achieved the following criteria within scheme proposals:*
 - a) *Provide new or protect and enhance the Borough's Green Infrastructure networks, including the need to mitigate potential impacts of new development*
 - b) *Promote accessibility, linkages and permeability between and within existing green corridors including public rights of way such as footpaths, cycleways and bridleways*
 - c) *Promote the integration of the scheme with any adjoining public open space or countryside*
 - d) *Protect and retain existing trees, hedges and other landscape features***
 - e) *Incorporate high quality, ideally, native planting and landscaping as an integral part of the scheme.***
3. *Development proposals which would result in the loss, fragmentation or isolation of areas of green infrastructure will not be acceptable.*
4. *Development proposals within the River Valley areas shall improve or contribute toward:*
 - a) *The establishment of a Loddon/ Blackwater riverside footpath and bridleway, as defined on the Policies Map, to accommodate dual use*
 - b) *The establishment of a riverside footpath and cycleway to accommodate dual use along the Emm Brook*
 - c) *Opportunities for improvements to green infrastructure to help minimise flood risk*

CLIMATE EMERGENCY

Wokingham Borough Council declared a climate emergency in July 2019 which commits the Council to reducing its carbon footprint to be net carbon zero by 2030. One of the ways in which the Council is looking to achieve this is by increasing the levels of carbon sequestration in the borough through greening the environment. The retention and preservation of trees on development sites will play a part in this.

6.4 SITE SPECIFIC OVERVIEW

BS:5837 advises that where new areas of hard landscaping are essential within the rooting areas of trees, they should be of a no-dig construction and not exceed 20% of the previously undeveloped rooting area of the tree.

The new driveway to Old Louma Cottage will therefore need to be of a porous, no-dig structure and routed in order to avoid excessive development within the rooting area of any one specimen tree.

A Tree Officer may reject proposals if (s)he feels the layout to be unsustainable with regards to trees. (S)he may object if the associated garden of Old Louma Cottage is mainly (priority habitat) woodland as there will be gradual pressure to cut back and remove trees in order to improve the useability of the garden space. To avoid this an area of garden with patio should be shown which is not restricted or inconvenienced by trees (shade, under canopies etc).

New plans should consider the 'liveability' and sustainability of Old Louma Cottage and the garden in relation to the trees. Excessive shade can lead to conflict with future residents. Increased fenestration of any replacement dwelling can go some way towards alleviating these issues, however, glass roofs under tree canopies should be avoided. Hedgehog gutter guards can reduce blocked gutters and consequent maintenance costs.

There is a case to be made for the removal of low-grade category 'C' trees which includes T044 (a large Pine with weak fork midway up the trunk). However, provision should be made for a robust scheme of replacement tree planting which should include replanting of larger, forest-style broadleaf trees and conifers to ensure there is no net loss of tree cover on site.

Care will need to be taken on the routing of services to avoid damage to tree roots. Moling or thrust-boring under roots is occasionally an option but is not always practical and will greatly increase costs for the building works.

Future planning applications will need to be supported by an Arboricultural Impact and Method Assessment which will be written once the design layout for the site has been finalised.

7. QUALIFICATIONS

This Arboricultural Survey was carried out by Sarah Duckworth, Independent Arboricultural Consultant, trading as Duckworth's Arboriculture Limited.

I have over 18 years' experience working in the field of Arboriculture and for the past 16 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 Commendation.

I also hold the Arboricultural Association's Technicians Certificate (with Distinction) and am a LANTRA qualified Professional Tree Inspector.

I am a Professional Member of both the Arboricultural Association and the Consulting Arborist Society (CAS).