



DUCKWORTHS  
ARBORICULTURE LTD.

## BS:5837 ARBORICULTURAL SURVEY

PRE-PLANNING TREE SURVEY

LAND AT KILN PARK FARM  
BATH ROAD  
KNOWL HILL  
BERKSHIRE  
RG10 9UP

CLIENT: HIVES ARCHITECTS LLP

AUGUST 2025  
Ref: 06773 / 2025

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# 1. INTRODUCTION

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## 1.1 AUTHORSHIP

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

I have been instructed by Hives Architects LLP to survey trees growing on and adjacent to Kiln Park Farm to ascertain the constraints posed by trees to any future development on site.

## 1.2 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.

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, and it does not 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.

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.

## 1.3 DOCUMENTS

The position of trees within the tree plan have been taken from a topographical survey provided by the client. Offsite trees not covered by the survey have been plotted by eye, their positions measured against boundaries and triangulated against fixed objects on site. The position of these 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.

## 1.4 PLANNING CONSTRAINTS

### TREE PRESERVATION ORDERS

I have confirmed with Wokingham Borough Council website that the survey area falls partly within an Area Tree Preservation Order Ref: TPO-1639-2018.

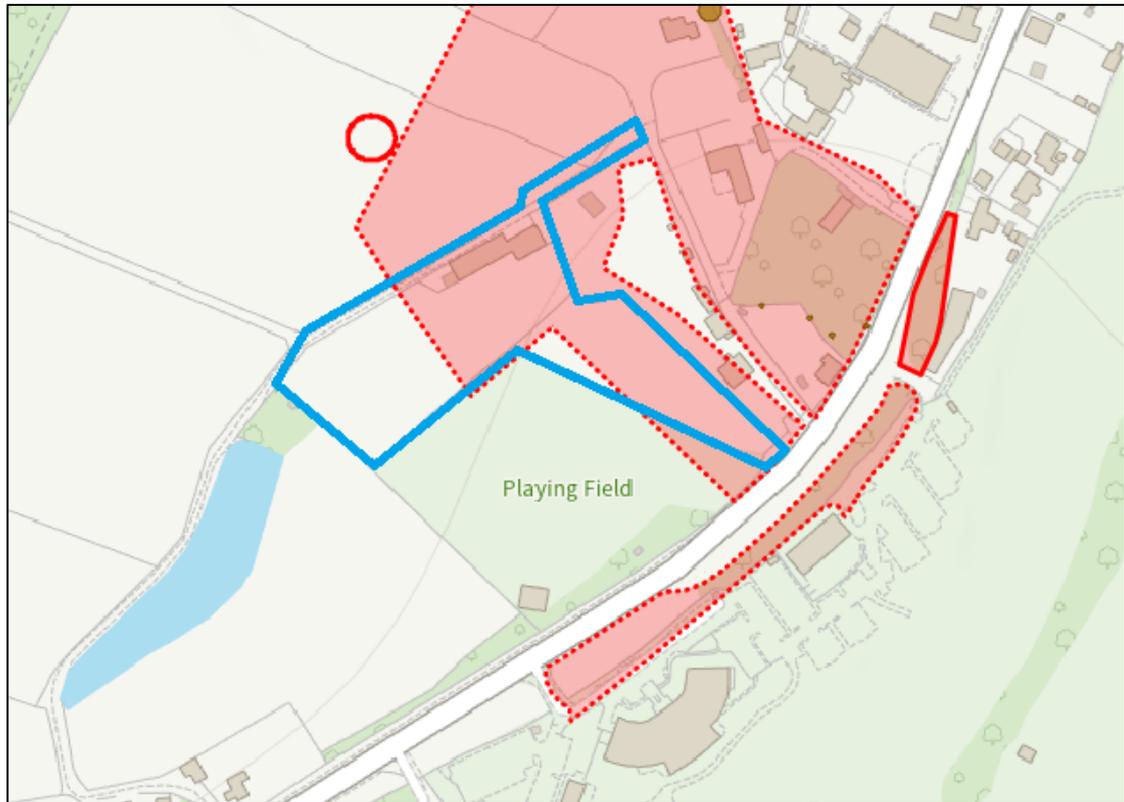


Figure 1 – Extract from Wokingham Borough Council Tree Preservation Order Map

No work should be undertaken to trees subject of a Tree Preservation Order without the prior written consent of the Local Planning Authority – exemptions apply.

### CONSERVATION AREA

Kiln Park Farm is not within a Conservation Area.

### ANCIENT WOODLAND

Kiln Park Farm is not located in Ancient Woodland nor is the site within an Ancient Woodland buffer zone.

## 2. SURVEY

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### 2.1 APPRAISAL

The trees were surveyed on Tuesday 26<sup>th</sup> August 2025.

On the day of the survey the weather conditions were bright and sunny. 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 conditions assessed at the time of inspection and are valid for 24 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 77 individual trees and 6 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.

## 2.2 KEY

Ref:	T001 = Tree 1 A001 = Area 1	G001 = Group 1 W001 = Woodland 1	H001 = Hedge 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. <sup>1</sup>		

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<sup>1</sup> 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.'*

### 3. BS:5837 (2012) TABLE 1: CASCADE CHART FOR TREE QUALITY ASSESSMENT

CATEGORY & DEFINITION	CRITERIA (including sub-categories where appropriate)		
Trees unsuitable for retention			
<p><b>Category 'U'</b></p> <p>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.</p>	<p>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.</p> <p>Trees that are dead or showing signs of significant, immediate, and irreversible overall decline.</p> <p>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.</p> <p>NOTE: Category U trees can have existing or potential conservation value which it might be desirable to preserve</p>		
	Mainly Arboricultural Qualities	Mainly Landscape Qualities	Mainly cultural values including conservation
Trees considered suitable for retention			
<p><b>Category 'A'</b></p> <p>Trees of High Quality with an estimated remaining life expectancy of at least 40 years.</p>	<p>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)</p>	<p>Trees, groups, or woodlands of particular visual importance as arboricultural and / or landscape features.</p>	<p>Trees, groups or woodlands of significant conservation, historical, commemorative or other value (e.g. veteran trees or wood pasture)</p>
<p><b>Category 'B'</b></p> <p>Trees of Moderate Quality with an estimated remaining life expectancy of at least 20 years</p>	<p>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.</p>	<p>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.</p>	<p>Trees with material conservation or other cultural value.</p>
<p><b>Category 'C'</b></p> <p>Trees of Low Quality with an estimated remaining life expectancy of at least 10 years, or young trees with a stem diameter below 150mm.</p>	<p>Unremarkable trees of very limited merit or such impaired condition that they do not qualify in higher categories.</p>	<p>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.</p>	<p>Trees with no material conservation or other cultural value.</p>

## 4. SURVEY DATA

Ref.	Species	Measurements	Spread	General Observations	Retention Category	RPA	Condition
G077	Hawthorn ( <i>Crataegus sp.</i> ) Elder ( <i>Sambucus nigra</i> )	Height (m): 4.5 Stem Diam(mm): 50 Crown Clearance (m): 1 Life Stage: Mature Rem. Contrib.: 40+ Years	N:3 E:3 S:1 W:3	Short length of lapsed hedging. Multi-stem trees.	C2	Area: 68 sq m.	Physiological Condition: Fair Structural Condition: Fair Public Amenity Value: Low
G105	Black poplar x3 ( <i>Populus nigra</i> )	Height (m): 5 3 stems, avg.(mm): 60 Crown Clearance (m): 1.5 Life Stage: Young Rem. Contrib.: 40+ Years	N:1 E:1 S:1 W:1	Linear group of small trees. Possible suckering growth from off-site trees.	C1	Area: 5 sq m.	Physiological Condition: Good Structural Condition: Good Public Amenity Value: Low
G106	Common ash ( <i>Fraxinus excelsior</i> ) Common hawthorn ( <i>Crataegus monogyna</i> )	Height (m): 6 Stem Diam(mm): 50 Crown Clearance (m): 1.5 Life Stage: Young Rem. Contrib.: 20+ Years	N:0.5 E:0.5 S:0.5 W:0.5	Very small trees, heavily suppressed by dense bramble.	C2	Area: 102 sq m.	Physiological Condition: Fair Structural Condition: Poor Public Amenity Value: Low Inspection Limitations: Dense bramble
G107	Mixed broadleaves	Height (m): 5 Stem Diam(mm): 100 Crown Clearance (m): 1.5 Life Stage: Mature Rem. Contrib.: 40+ Years	N:1.5 E:1.5 S:1.5 W:1.5	Lapsed hedgerow group. Some broken / dead elm in group.	C2	Area: 2352 sq m.	Physiological Condition: Fair Structural Condition: Fair Public Amenity Value: Low
G108	Hawthorn ( <i>Crataegus sp.</i> )	Height (m): 5 Stem Diam(mm): 100 Crown Clearance (m): 0 Life Stage: Mature Rem. Contrib.: 20+ Years	N:2.5 E:2.5 S:2.5 W:2.5	Hawthorn hedge suppressed by dense bramble	C2	Area: 375 sq m.	Physiological Condition: Fair Structural Condition: Fair Public Amenity Value: Moderate Inspection Limitations: Dense vegetation
G109	Common hawthorn ( <i>Crataegus monogyna</i> ) Blackthorn ( <i>Prunus spinosa</i> )	Height (m): 3 Stem Diam(mm): 80 Crown Clearance (m): 1 Life Stage: Mature Rem. Contrib.: 40+ Years	N:1.5 E:1.5 S:1.5 W:1.5	Linear group / lapsed hedgerow.	C2	Area: 79 sq m.	Physiological Condition: Fair Structural Condition: Fair Public Amenity Value: Low
T076	Common ash ( <i>Fraxinus excelsior</i> )	Height (m): 12 Stem Diam(mm): 300 Crown Clearance (m): 4 Life Stage: Mature Rem. Contrib.: <10 years	N:3.5 E:3.5 S:2 W:3.5	Ivy clad tree. Advanced symptoms of Ash Dieback in crown.  Pests and Diseases: Ash Dieback Infection Level 3: 50% to 75%	U	Radius: 3.6m. Area: 41 sq m.	Physiological Condition: Diseased Structural Condition: Fair Public Amenity Value: Low

Ref.	Species	Measurements	Spread	General Observations	Retention Category	RPA	Condition
T077	Scots pine ( <i>Pinus sylvestris</i> )	Height (m): 15 Stem Diam(mm): 680 Crown Clearance (m): 12 Life Stage: Mature Rem. Contrib.: 40+ Years	N:2.5 E:3 S:4 W:2	Ivy clad mature tree.	B2	Radius: 8.2m. Area: 211 sq m.	Physiological Condition: Good Structural Condition: Unknown Public Amenity Value: Moderate Inspection Limitations: Ivy
T078	Common hawthorn ( <i>Crataegus monogyna</i> )	Height (m): 5 3 stems, avg.(mm): 50 Crown Clearance (m): 1.5 Life Stage: Mature Rem. Contrib.: 40+ Years	N:2.5 E:2 S:2 W:1	Small multi-stem tree. Ivy clad.	C2	Radius: 1.0m. Area: 3 sq m.	Physiological Condition: Fair Structural Condition: Fair Public Amenity Value: Low
T079	Common ash ( <i>Fraxinus excelsior</i> )	Height (m): 16 3 stems, avg.(mm): 500 Crown Clearance (m): 2.5 Life Stage: Mature Rem. Contrib.: 10+ Years	N:5 E:7.5 S:4.5 W:6	Ivy clad mature tree. Possible basal decay. Dieback in crown.  Pests and Diseases: Ash Dieback Infection Level 2: 25% to 50%	C1	Radius: 10.4m. Area: 340 sq m.	Physiological Condition: Poor Structural Condition: Physical Defect Public Amenity Value: Moderate Inspection Limitations: Ivy
T080	Field maple ( <i>Acer campestre</i> )	Height (m): 11 4 stems, avg.(mm): 420 Crown Clearance (m): 1 Life Stage: Mature Rem. Contrib.: 40+ Years	N:6 E:4 S:4.5 W:5	Multi-stem tree. Decay present on lower trunks.	C2	Radius: 10.1m. Area: 320 sq m.	Physiological Condition: Fair Structural Condition: Physical Defect Public Amenity Value: Low
T081	Pedunculate oak ( <i>Quercus robur</i> )	Height (m): 17 Stem Diam(mm): 820 Crown Clearance (m): 4 Life Stage: Mature Rem. Contrib.: 40+ Years	N:5 E:8 S:8 W:9	Off-site tree. Broad, asymmetrical crown. Foliage density normal.	B1,2	Radius: 9.1m. Area: 260 sq m.	Physiological Condition: Good Structural Condition: Unknown Public Amenity Value: Good Inspection Limitations: Access
T082	Pedunculate oak ( <i>Quercus robur</i> )	Height (m): 16 Stem Diam(mm): 800 Crown Clearance (m): 4 Life Stage: Mature Rem. Contrib.: 40+ Years	N:7 E:2 S:6 W:6	Broad, asymmetrical crown. Foliage density normal.	B1,2	Radius: 9.6m. Area: 290 sq m.	Physiological Condition: Good Structural Condition: Good Public Amenity Value: Good
T083	Common hawthorn ( <i>Crataegus monogyna</i> )	Height (m): 6 2 stems, avg.(mm): 70 Crown Clearance (m): 1 Life Stage: Mature Rem. Contrib.: 40+ Years	N:1 E:1 S:1 W:1	Slender, twin stem tree. Ivy clad.	C2	Radius: 1.2m. Area: 5 sq m.	Physiological Condition: Fair Structural Condition: Fair Public Amenity Value: Low
T084	Spindle ( <i>Euonymus europaeus</i> )	Height (m): 3.5 2 stems, avg.(mm): 50 Crown Clearance (m): 0.5 Life Stage: Mature Rem. Contrib.: 40+ Years	N:1.5 E:1.5 S:1.5 W:1	Small shrub.	C2	Radius: 0.9m. Area: 3 sq m.	Physiological Condition: Fair Structural Condition: Fair Public Amenity Value: Low

Ref.	Species	Measurements	Spread	General Observations	Retention Category	RPA	Condition
T085	Wild cherry ( <i>Prunus avium</i> )	Height (m): 18 Stem Diam(mm): 450 Crown Clearance (m): 8 Life Stage: Mature Rem. Contrib.: 20+ Years	N:3 E:2 S:6 W:4	Swept stem south. Upper trunk resumes vertical growth. Decay midway up trunk.	C1	Radius: 5.4m. Area: 92 sq m.	Physiological Condition: Good Structural Condition: Physical Defect Public Amenity Value: Moderate
T086	Cherry plum ( <i>Prunus cerasifera</i> )	Height (m): 5 Stem Diam(mm): 70 Crown Clearance (m): 1.5 Life Stage: Mature Rem. Contrib.: 20+ Years	N:4.5 E:1.5 S:0.5 W:1	Multi-stem shrub.	C1	Radius: 0.8m. Area: 2 sq m.	Physiological Condition: Fair Structural Condition: Fair Public Amenity Value: Low
T087	Field maple ( <i>Acer campestre</i> )	Height (m): 12 Stem Diam(mm): 600 Crown Clearance (m): 1 Life Stage: Mature Rem. Contrib.: 40+ Years	N:5 E:2 S:5 W:7	Ivy clad mature tree.	B2	Radius: 7.2m. Area: 163 sq m.	Physiological Condition: Good Structural Condition: Fair Public Amenity Value: Moderate Inspection Limitations: Ivy
T088	Pedunculate oak ( <i>Quercus robur</i> )	Height (m): 15 Stem Diam(mm): 700 Crown Clearance (m): 3.5 Life Stage: Mature Rem. Contrib.: 40+ Years	N:5.5 E:5 S:5.5 W:6.5	Broad, asymmetrical crown. Foliage density normal. Light ivy coverage.	B1,2	Radius: 8.4m. Area: 222 sq m.	Physiological Condition: Good Structural Condition: Good Public Amenity Value: Good Inspection Limitations: Ivy
T089	Pedunculate oak ( <i>Quercus robur</i> )	Height (m): 14 Stem Diam(mm): 600 Crown Clearance (m): 2.5 Life Stage: Mature Rem. Contrib.: 40+ Years	N:6 E:5 S:4 W:8.5	Off-site tree. Broad, asymmetrical crown. Foliage chlorotic.	B1,2	Radius: 7.2m. Area: 163 sq m.	Physiological Condition: Good Structural Condition: Unknown Public Amenity Value: Good Inspection Limitations: Access
T090	Pedunculate oak ( <i>Quercus robur</i> )	Height (m): 15 Stem Diam(mm): 640 Crown Clearance (m): 2 Life Stage: Mature Rem. Contrib.: 40+ Years	N:6 E:6 S:8 W:8	Off-site tree. Broad, asymmetrical crown. Deadwood in crown.	B1,2	Radius: 7.7m. Area: 186 sq m.	Physiological Condition: Good Structural Condition: Unknown Public Amenity Value: Good Inspection Limitations: Access
T091	Pedunculate oak ( <i>Quercus robur</i> )	Height (m): 15 Stem Diam(mm): 650 Crown Clearance (m): 1 Life Stage: Mature Rem. Contrib.: 40+ Years	N:8 E:7 S:5 W:11	Broad, asymmetrical crown. Epicormic shoots on lower crown.	B1,2	Radius: 7.8m. Area: 191 sq m.	Physiological Condition: Good Structural Condition: Good Public Amenity Value: Good
T092	Pedunculate oak ( <i>Quercus robur</i> )	Height (m): 16 Stem Diam(mm): 770 Crown Clearance (m): 3.5 Life Stage: Mature Rem. Contrib.: 40+ Years	N:4 E:5 S:8.5 W:8.5	Basal decay and necrotic bark around base. Broad, asymmetrical crown. Dead in crown.	B1,2	Radius: 9.2m. Area: 266 sq m.	Physiological Condition: Good Structural Condition: Physical defect Public Amenity Value: Good

Ref.	Species	Measurements	Spread	General Observations	Retention Category	RPA	Condition
T093	Pedunculate oak ( <i>Quercus robur</i> )	Height (m): 11 Stem Diam(mm): 520 Crown Clearance (m): 1 Life Stage: Mature Rem. Contrib.: 40+ Years	N:8.5 E:8.5 S:8.5 W:8.5	Younger mature tree with broad low crown. Long term potential.	B1,2	Radius: 6.2m. Area: 121 sq m.	Physiological Condition: Good Structural Condition: Good Public Amenity Value: Moderate
T094	Common hawthorn ( <i>Crataegus monogyna</i> )	Height (m): 6 2 stems, avg.(mm): 100 Crown Clearance (m): 1 Life Stage: Mature Rem. Contrib.: 40+ Years	N:1.5 E:1.5 S:1.5 W:1.5	Slender, twin stem tree.	C2	Radius: 1.7m. Area: 9 sq m.	Physiological Condition: Fair Structural Condition: Fair Public Amenity Value: Low
T095	Pedunculate oak ( <i>Quercus robur</i> )	Height (m): 7 Stem Diam(mm): 150 Crown Clearance (m): 1.5 Life Stage: Semi Mature Rem. Contrib.: 40+ Years	N:2.5 E:2 S:3.5 W:3.5	Small tree with long term potential.	C2	Radius: 1.8m. Area: 10 sq m.	Physiological Condition: Good Structural Condition: Good Public Amenity Value: Low Inspection Limitations: Dense vegetation
T096	Common ash ( <i>Fraxinus excelsior</i> )	Height (m): 13 Stem Diam(mm): 410 Crown Clearance (m): 1.5 Life Stage: Mature Rem. Contrib.: 20+ Years	N:4 E:4.5 S:5 W:6	Twin stem from 2m. Some deadwood in asymmetrical crown.  Pests and Diseases: Ash Dieback Infection Level 1: 0% to 25%	C1	Radius: 4.9m. Area: 75 sq m.	Physiological Condition: Fair Structural Condition: Fair Public Amenity Value: Moderate
T097	Black pine ( <i>Pinus nigra</i> )	Height (m): 11 Stem Diam(mm): 520 Crown Clearance (m): 1.5 Life Stage: Mature Rem. Contrib.: 40+ Years	N:3 E:4 S:3.5 W:5	Mature tree, asymmetrical crown.	B1	Radius: 6.2m. Area: 121 sq m.	Physiological Condition: Good Structural Condition: Fair Public Amenity Value: Good
T098	Scots pine ( <i>Pinus sylvestris</i> )	Height (m): 10 Stem Diam(mm): 400 Crown Clearance (m): 1.5 Life Stage: Mature Rem. Contrib.: 40+ Years	N:3 E:3 S:3 W:3	Small tree. Fair form and vitality.	B2	Radius: 4.8m. Area: 72 sq m.	Physiological Condition: Fair Structural Condition: Good Public Amenity Value: Moderate
T099	Corsican pine ( <i>Pinus nigra laricio</i> )	Height (m): 12.5 Stem Diam(mm): 480 Crown Clearance (m): 7 Life Stage: Mature Rem. Contrib.: 40+ Years	N:3 E:2 S:3 W:3	Mature tree, deadwood in crown, needles slightly sparse.	B1	Radius: 5.8m. Area: 106 sq m.	Physiological Condition: Fair Structural Condition: Fair Public Amenity Value: Moderate
T100	Common alder ( <i>Alnus glutinosa</i> )	Height (m): 9 Stem Diam(mm): 300 Crown Clearance (m): 1.5 Life Stage: Mature Rem. Contrib.: 20+ Years	N:2.5 E:2 S:2 W:2	Small tree lacking vitality.	C1	Radius: 3.6m. Area: 41 sq m.	Physiological Condition: Fair Structural Condition: Fair Public Amenity Value: Low

Ref.	Species	Measurements	Spread	General Observations	Retention Category	RPA	Condition
T101	Pedunculate oak ( <i>Quercus robur</i> )	Height (m): 12 Stem Diam(mm): 520 Crown Clearance (m): 1 Life Stage: Mature Rem. Contrib.: 20+ Years	N:6 E:6 S:6 W:6	Split fork in main trunk 3m above ground level creates a major and irremediable structural defect.	C1	Radius: 6.2m. Area: 121 sq m.	Physiological Condition: Good Structural Condition: Major physical defect Public Amenity Value: Moderate
T102	Tree of heaven ( <i>Ailanthus altissima</i> )	Height (m): 16 Stem Diam(mm): 560 Crown Clearance (m): 3.5 Life Stage: Mature Rem. Contrib.: 40+ Years	N:6 E:6 S:4.5 W:5	Off-site tree beyond brick boundary wall.	B1	Radius: 6.7m. Area: 141 sq m.	Physiological Condition: Good Structural Condition: Unknown Public Amenity Value: Good Inspection Limitations: Access
T103	Tree of heaven ( <i>Ailanthus altissima</i> )	Height (m): 8 Stem Diam(mm): 250 Crown Clearance (m): 2 Life Stage: Mature Rem. Contrib.: 20+ Years	N:2.5 E:1.5 S:3.5 W:1.5	Off-site small, suppressed tree beyond brick boundary wall.	C1	Radius: 3.0m. Area: 28 sq m.	Physiological Condition: Fair Structural Condition: Unknown Public Amenity Value: Low Inspection Limitations: Access
T104	Black poplar ( <i>Populus nigra</i> )	Height (m): 5 Stem Diam(mm): 80 Crown Clearance (m): 1.5 Life Stage: Young Rem. Contrib.: 40+ Years	N:1 E:1.5 S:1.5 W:1.5	Possible suckering growth from off-site trees.	C1	Radius: 1.0m. Area: 3 sq m.	Physiological Condition: Good Structural Condition: Good Public Amenity Value: Low
T105	Flowering cherry ( <i>Prunus Serrulata</i> )	Height (m): 5.5 2 stems, avg.(mm): 200 Crown Clearance (m): 1.5 Life Stage: Mature Rem. Contrib.: 20+ Years	N:2 E:2.5 S:3 W:2.5	Off-site small tree beyond brick boundary wall.	C1	Radius: 3.4m. Area: 36 sq m.	Physiological Condition: Fair Structural Condition: Unknown Public Amenity Value: Low Inspection Limitations: Access
T106	Silver birch ( <i>Betula pendula</i> )	Height (m): 16 Stem Diam(mm): 580 Crown Clearance (m): 1.5 Life Stage: Mature Rem. Contrib.: 40+ Years	N:4 E:4 S:3 W:4.5	Off-site mature tree beyond brick boundary wall.	B1	Radius: 7.0m. Area: 154 sq m.	Physiological Condition: Good Structural Condition: Unknown Public Amenity Value: Good Inspection Limitations: Access
T107	Pedunculate oak ( <i>Quercus robur</i> )	Height (m): 7 Stem Diam(mm): 200 Crown Clearance (m): 1 Life Stage: Semi Mature Rem. Contrib.: 40+ Years	N:2.5 E:2.5 S:4 W:2	Small tree with long term potential.	C2	Radius: 2.4m. Area: 18 sq m.	Physiological Condition: Good Structural Condition: Good Public Amenity Value: Low Inspection Limitations: Dense vegetation
T108	Pedunculate oak ( <i>Quercus robur</i> )	Height (m): 11 Stem Diam(mm): 460 Crown Clearance (m): 1.5 Life Stage: Semi Mature Rem. Contrib.: 40+ Years	N:3 E:4 S:7 W:6	Off-site, short tree. Broad, low crown.	B2	Radius: 5.5m. Area: 95 sq m.	Physiological Condition: Good Structural Condition: Good Public Amenity Value: Moderate Inspection Limitations: Dense vegetation

Ref.	Species	Measurements	Spread	General Observations	Retention Category	RPA	Condition
T109	Common hawthorn ( <i>Crataegus monogyna</i> )	Height (m): 7 Stem Diam(mm): 150 Crown Clearance (m): 1 Life Stage: Mature Rem. Contrib.: 40+ Years	N:2.5 E:2 S:3 W:1	Suppressed, multi-stem small tree.	C2	Radius: 1.8m. Area: 10 sq m.	Physiological Condition: Good Structural Condition: Good Public Amenity Value: Low Inspection Limitations: Dense vegetation
T110	Horse chestnut ( <i>Aesculus hippocastanum</i> )	Height (m): 5 Stem Diam(mm): 130 Crown Clearance (m): 1.5 Life Stage: Semi Mature Rem. Contrib.: 20+ Years	N:2.5 E:1.5 S:2.5 W:2.5	Small tree, historic stem wounding.	C1	Radius: 1.6m. Area: 8 sq m.	Physiological Condition: Fair Structural Condition: Physical Defect Public Amenity Value: Low
T111	Pedunculate oak ( <i>Quercus robur</i> )	Height (m): 4 Stem Diam(mm): 90 Crown Clearance (m): 1 Life Stage: Semi Mature Rem. Contrib.: 40+ Years	N:2 E:2 S:2 W:2	Small tree with long term potential.	C2	Radius: 1.1m. Area: 4 sq m.	Physiological Condition: Good Structural Condition: Good Public Amenity Value: Low Inspection Limitations: Dense vegetation
T112	Common ash ( <i>Fraxinus excelsior</i> )	Height (m): 11 Stem Diam(mm): 200 Crown Clearance (m): 2 Life Stage: Semi Mature Rem. Contrib.: 10+ Years	N:2.5 E:3.5 S:3 W:1	Young tree, early symptoms of Ash Dieback in crown.  Pests and Diseases: Ash Dieback Infection Level 2: 25% to 50%	C1	Radius: 2.4m. Area: 18 sq m.	Physiological Condition: Diseased Structural Condition: Fair Public Amenity Value: Low
T113	Hawthorn ( <i>Crataegus sp.</i> )	Height (m): 5 2 stems, avg.(mm): 50 Crown Clearance (m): 1 Life Stage: Mature Rem. Contrib.: 40+ Years	N:1.5 E:2 S:1 W:0.5	Multi-stem small tree.	C2	Radius: 0.9m. Area: 3 sq m.	Physiological Condition: Fair Structural Condition: Fair Public Amenity Value: Low Inspection Limitations: Dense vegetation
T114	Common ash ( <i>Fraxinus excelsior</i> )	Height (m): 12 Stem Diam(mm): 350 Crown Clearance (m): 1 Life Stage: Mature Rem. Contrib.: 10+ Years	N:2 E:3 S:3.5 W:3	Major Dieback, advanced symptoms of Ash Dieback injection throughout crown.  Pests and Diseases: Ash Dieback Infection Level 3: 50% to 75%	C1	Radius: 4.2m. Area: 55 sq m.	Physiological Condition: Diseased Structural Condition: Poor Public Amenity Value: Low
T115	Wild cherry ( <i>Prunus avium</i> )	Height (m): 5.5 2 stems, avg.(mm): 70 Crown Clearance (m): 1 Life Stage: Dead	N:1 E:3 S:0.5 W:1	Small standing dead tree.	U	Radius: 1.2m. Area: 5 sq m.	Physiological Condition: Dead Structural Condition: Fair Public Amenity Value: Low Inspection Limitations: Dense vegetation
T116	Pedunculate oak ( <i>Quercus robur</i> )	Height (m): 11 Stem Diam(mm): 350 Crown Clearance (m): 1 Life Stage: Mature Rem. Contrib.: 40+ Years	N:4.5 E:3 S:9 W:1	Small suppressed tree with linear group.	C2	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
T117	Pedunculate oak ( <i>Quercus robur</i> )	Height (m): 13 Stem Diam(mm): 320 Crown Clearance (m): 1 Life Stage: Mature Rem. Contrib.: 40+ Years	N:1 E:3 S:7 W:1	Small suppressed tree with linear group.	C2	Radius: 3.8m. Area: 45 sq m.	Physiological Condition: Good Structural Condition: Fair Public Amenity Value: Moderate
T118	Pedunculate oak ( <i>Quercus robur</i> )	Height (m): 8 Stem Diam(mm): 200 Crown Clearance (m): 1 Life Stage: Mature Rem. Contrib.: 40+ Years	N:5 E:1 S:4 W:2	Small suppressed tree with linear group.	C2	Radius: 2.4m. Area: 18 sq m.	Physiological Condition: Good Structural Condition: Fair Public Amenity Value: Moderate
T119	Pedunculate oak ( <i>Quercus robur</i> )	Height (m): 13 Stem Diam(mm): 420 Crown Clearance (m): 1 Life Stage: Mature Rem. Contrib.: 40+ Years	N:4.5 E:1 S:8 W:4	Dominant tree with linear group. Asymmetrical crown.	B2	Radius: 5.0m. Area: 79 sq m.	Physiological Condition: Good Structural Condition: Fair Public Amenity Value: Moderate
T120	Pedunculate oak ( <i>Quercus robur</i> )	Height (m): 9 Stem Diam(mm): 90 Crown Clearance (m): 6 Life Stage: Mature Rem. Contrib.: 40+ Years	N:1 E:0.5 S:1.5 W:3	Slender suppressed tree with linear group.	C2	Radius: 1.1m. Area: 4 sq m.	Physiological Condition: Good Structural Condition: Fair Public Amenity Value: Moderate
T121	Pedunculate oak ( <i>Quercus robur</i> )	Height (m): 11 Stem Diam(mm): 200 Crown Clearance (m): 6 Life Stage: Mature Rem. Contrib.: 40+ Years	N:3 E:1.5 S:4 W:0.5	Small suppressed tree with linear group.	C2	Radius: 2.4m. Area: 18 sq m.	Physiological Condition: Good Structural Condition: Fair Public Amenity Value: Moderate
T122	Pedunculate oak ( <i>Quercus robur</i> )	Height (m): 10 Stem Diam(mm): 260 Crown Clearance (m): 1 Life Stage: Mature Rem. Contrib.: 40+ Years	N:4.5 E:3 S:0 W:2.5	Small suppressed tree with linear group.	C2	Radius: 3.1m. Area: 30 sq m.	Physiological Condition: Good Structural Condition: Fair Public Amenity Value: Moderate
T123	Pedunculate oak ( <i>Quercus robur</i> )	Height (m): 11 Stem Diam(mm): 300 Crown Clearance (m): 1.5 Life Stage: Mature Rem. Contrib.: 40+ Years	N:1 E:0.5 S:7.5 W:2	Small suppressed tree with linear group.	C2	Radius: 3.6m. Area: 41 sq m.	Physiological Condition: Good Structural Condition: Fair Public Amenity Value: Moderate
T124	Pedunculate oak ( <i>Quercus robur</i> )	Height (m): 6 Stem Diam(mm): 320 Crown Clearance (m): 1.5 Life Stage: Mature Rem. Contrib.: 40+ Years	N:1 E:1.5 S:8 W:2	Small suppressed tree with linear group. Large low branch from ground level.	C2	Radius: 3.8m. Area: 45 sq m.	Physiological Condition: Good Structural Condition: Fair Public Amenity Value: Moderate

Ref.	Species	Measurements	Spread	General Observations	Retention Category	RPA	Condition
T125	Pedunculate oak ( <i>Quercus robur</i> )	Height (m): 11 Stem Diam(mm): 300 Crown Clearance (m): 1.5 Life Stage: Mature Rem. Contrib.: 40+ Years	N:4 E:0.5 S:7 W:2	Small suppressed tree with linear group.	C2	Radius: 3.6m. Area: 41 sq m.	Physiological Condition: Good Structural Condition: Fair Public Amenity Value: Moderate
T126	Pedunculate oak ( <i>Quercus robur</i> )	Height (m): 13 Stem Diam(mm): 550 Crown Clearance (m): 1 Life Stage: Mature Rem. Contrib.: 40+ Years	N:7 E:5 S:8 W:4	Dominant tree with linear group. Broad, low crown.	B2	Radius: 6.6m. Area: 137 sq m.	Physiological Condition: Good Structural Condition: Good Public Amenity Value: Good
T127	Hawthorn ( <i>Crataegus sp.</i> )	Height (m): 3.5 Stem Diam(mm): 250 Crown Clearance (m): 1 Life Stage: Mature Rem. Contrib.: 40+ Years	N:1.5 E:1.5 S:1.5 W:1.5	Multi-stem small tree. Previously topped around 1m above ground level.	C2	Radius: 3.0m. Area: 28 sq m.	Physiological Condition: Fair Structural Condition: Fair Public Amenity Value: Low Inspection Limitations: Dense vegetation
T128	Pedunculate oak ( <i>Quercus robur</i> )	Height (m): 13 Stem Diam(mm): 550 Crown Clearance (m): 1 Life Stage: Mature Rem. Contrib.: 40+ Years	N:8 E:4 S:6 W:4	Dominant tree with linear group. Broad, low crown.	B2	Radius: 6.6m. Area: 137 sq m.	Physiological Condition: Good Structural Condition: Good Public Amenity Value: Good
T129	Hawthorn ( <i>Crataegus sp.</i> )	Height (m): 8 2 stems, avg.(mm): 100 Crown Clearance (m): 2 Life Stage: Mature Rem. Contrib.: 40+ Years	N:2 E:1 S:1 W:3	Multi-stem small tree.	C2	Radius: 1.7m. Area: 9 sq m.	Physiological Condition: Fair Structural Condition: Fair Public Amenity Value: Low Inspection Limitations: Dense vegetation
T130	Pedunculate oak ( <i>Quercus robur</i> )	Height (m): 9 Stem Diam(mm): 500 Crown Clearance (m): 1 Life Stage: Mature Rem. Contrib.: 40+ Years	N:2 E:6 S:7 W:1	Swept stem to east. Heavily suppressed, low crown.	C2	Radius: 6.0m. Area: 113 sq m.	Physiological Condition: Good Structural Condition: Fair Public Amenity Value: Moderate
T131	Common ash ( <i>Fraxinus excelsior</i> )	Height (m): 16 Stem Diam(mm): 420 Crown Clearance (m): 3 Life Stage: Mature Rem. Contrib.: 20+ Years	N:7 E:6 S:1 W:3	Swept stem, asymmetrical crown.	C1	Radius: 5.0m. Area: 79 sq m.	Physiological Condition: Good Structural Condition: Fair Public Amenity Value: Moderate
T132	Silver birch ( <i>Betula pendula</i> )	Height (m): 16 Stem Diam(mm): 550 Crown Clearance (m): 4 Life Stage: Mature Rem. Contrib.: 20+ Years	N:2 E:3 S:6 W:7	Mature tree, fair form and vitality	B1,2	Radius: 6.6m. Area: 137 sq m.	Physiological Condition: Good Structural Condition: Fair Public Amenity Value: Good

Ref.	Species	Measurements	Spread	General Observations	Retention Category	RPA	Condition
T133	Cherry plum ( <i>Prunus cerasifera</i> )	Height (m): 8 2 stems, avg.(mm): 300 Crown Clearance (m): 0.5 Life Stage: Mature Rem. Contrib.: 40+ Years	N:3 E:2 S:4.5 W:4	Small hedgerow tree.	C2	Radius: 5.1m. Area: 82 sq m.	Physiological Condition: Fair Structural Condition: Fair Public Amenity Value: Low Inspection Limitations: Access
T134	Common ash ( <i>Fraxinus excelsior</i> )	Height (m): 11 Stem Diam(mm): 320 Crown Clearance (m): 2.5 Life Stage: Semi Mature Rem. Contrib.: 20+ Years	N:3.5 E:3.5 S:4 W:3.5	Asymmetrical crown. Foliage density normal.  Pests and Diseases: Ash Dieback Infection Level 1: 0% to 25%	C2	Radius: 3.8m. Area: 45 sq m.	Physiological Condition: Good Structural Condition: Fair Public Amenity Value: Moderate
T135	Pedunculate oak ( <i>Quercus robur</i> )	Height (m): 5 Stem Diam(mm): 100 Crown Clearance (m): 1.5 Life Stage: Semi Mature Rem. Contrib.: 40+ Years	N:1.5 E:2 S:5 W:2	Small tree. Suppressed, low crown.	C2	Radius: 1.2m. Area: 5 sq m.	Physiological Condition: Fair Structural Condition: Fair Public Amenity Value: Low
T136	Silver birch ( <i>Betula pendula</i> )	Height (m): 14 Stem Diam(mm): 320 Crown Clearance (m): 4 Life Stage: Mature Rem. Contrib.: 20+ Years	N:3 E:1 S:3.5 W:4	Mature tree, fair form and vitality	B1,2	Radius: 3.8m. Area: 45 sq m.	Physiological Condition: Good Structural Condition: Fair Public Amenity Value: Good
T137	Silver birch ( <i>Betula pendula</i> )	Height (m): 12 Stem Diam(mm): 310 Crown Clearance (m): 4 Life Stage: Mature Rem. Contrib.: 20+ Years	N:1 E:1 S:3.5 W:4	Mature tree, suppressed form.	C1,2	Radius: 3.7m. Area: 43 sq m.	Physiological Condition: Fair Structural Condition: Fair Public Amenity Value: Moderate
T138	Common ash ( <i>Fraxinus excelsior</i> )	Height (m): 16 Stem Diam(mm): 600 Crown Clearance (m): 2 Life Stage: Mature Rem. Contrib.: 20+ Years	N:6 E:6 S:6 W:6	Off-site tree. Fair form and vitality.  Pests and Diseases: Ash Dieback Infection Level 1: 0% to 25%	B1	Radius: 7.2m. Area: 163 sq m.	Physiological Condition: Good Structural Condition: Unknown Public Amenity Value: Good
T139	Common walnut ( <i>Juglans regia</i> )	Height (m): 8 Stem Diam(mm): 180 Crown Clearance (m): 2 Life Stage: Mature Rem. Contrib.: 20+ Years	N:4 E:4.5 S:4.5 W:1	Small tree. Swept stem, asymmetrical crown.	C2	Radius: 2.2m. Area: 15 sq m.	Physiological Condition: Fair Structural Condition: Fair Public Amenity Value: Low Inspection Limitations: Access
T140	Pedunculate oak ( <i>Quercus robur</i> )	Height (m): 15 Stem Diam(mm): 1300 Crown Clearance (m): 1 Life Stage: Veteran Rem. Contrib.: 40+ Years	N:9 E:7 S:7 W:9	Significant mature tree.	A3	Radius: 15m. Area: 1195 sq m.	Physiological Condition: Good Structural Condition: Good Public Amenity Value: Good

Ref.	Species	Measurements	Spread	General Observations	Retention Category	RPA	Condition
T141	Black elder ( <i>Sambucas nigra</i> )	Height (m): 5 Stem Diam(mm): 100 Crown Clearance (m): 1 Life Stage: Mature Rem. Contrib.: 20+ Years	N:1.5 E:1.5 S:1.5 W:1.5	Mature shrub	C2	Radius: 1.2m. Area: 5 sq m.	Physiological Condition: Fair Structural Condition: Unknown Public Amenity Value: Low Inspection Limitations: Bramble
T142	Common ash ( <i>Fraxinus excelsior</i> )	Height (m): 7 2 stems (mm): 280, 90 Crown Clearance (m): 2 Life Stage: Mature Rem. Contrib.: 20+ Years	N:3 E:3.5 S:3.5 W:3.5	Twin stem tree. Historic stem wounding.  Pests and Diseases: Ash Dieback Infection Level 1: 0% to 25%	C2	Radius: 3.5m. Area: 38 sq m.	Physiological Condition: Fair Structural Condition: Physical Defect Public Amenity Value: Low
T143	Common ash ( <i>Fraxinus excelsior</i> )	Height (m): 8 2 stems, avg.(mm): 50 Crown Clearance (m): 3 Life Stage: Semi Mature Rem. Contrib.: 20+ Years	N:1.5 E:1.5 S:2 W:1	Small tree in hedge  Pests and Diseases: Ash Dieback Infection Level 1: 0% to 25%	C2	Radius: 0.9m. Area: 3 sq m.	Physiological Condition: Fair Structural Condition: Unknown Public Amenity Value: Low Inspection Limitations: Dense vegetation
T144	Common ash ( <i>Fraxinus excelsior</i> )	Height (m): 15 Stem Diam(mm): 800 Crown Clearance (m): 7 Life Stage: Mature Rem. Contrib.: 20+ Years	N:9 E:8 S:10 W:11	Large broad crown. Significant deadwood fallen from tree. Live growth healthy.  Pests and Diseases: Ash Dieback Infection Level 1: 0% to 25%	B1	Radius: 9.6m. Area: 290 sq m.	Physiological Condition: Fair Structural Condition: Fair Public Amenity Value: Good
T145	Common ash ( <i>Fraxinus excelsior</i> )	Height (m): 17 Stem Diam(mm): 600 Crown Clearance (m): 4 Life Stage: Mature Rem. Contrib.: 20+ Years	N:7 E:7 S:7 W:7	Large broad crown. Significant deadwood fallen from tree. Live growth healthy.  Pests and Diseases: Ash Dieback Infection Level 1: 0% to 25%	B1	Radius: 7.2m. Area: 163 sq m.	Physiological Condition: Fair Structural Condition: Fair Public Amenity Value: Good
T146	Pedunculate oak ( <i>Quercus robur</i> )	Height (m): 6 Stem Diam(mm): 80 Crown Clearance (m): 1.5 Life Stage: Semi Mature Rem. Contrib.: 20+ Years	N:2 E:0 S:4 W:4	Small tree, suppressed, asymmetrical crown.	C2	Radius: 1.0m. Area: 3 sq m.	Physiological Condition: Fair Structural Condition: Fair Public Amenity Value: Low
T147	Common hawthorn ( <i>Crataegus monogyna</i> )	Height (m): 11 Stem Diam(mm): 320 Crown Clearance (m): 1.5 Life Stage: Early Mature Rem. Contrib.: 40+ Years	N:4 E:2 S:4 W:4	Small tree with long term potential	C2	Radius: 3.8m. Area: 45 sq m.	Physiological Condition: Good Structural Condition: Good Public Amenity Value: Low
T148	Pedunculate oak ( <i>Quercus robur</i> )	Height (m): 16 Stem Diam(mm): 900 Crown Clearance (m): 4.5 Life Stage: Mature Rem. Contrib.: 40+ Years	N:7 E:7 S:8 W:7	Mature oak. No access to base due to dense vegetation. Foliage density normal.	B1,2	Radius: 10.8m. Area: 366 sq m.	Physiological Condition: Good Structural Condition: Good Public Amenity Value: Good Inspection Limitations: Dense vegetation

Ref.	Species	Measurements	Spread	General Observations	Retention Category	RPA	Condition
T149	Cherry plum ( <i>Prunus cerasifera</i> )	Height (m): 7.5 Stem Diam(mm): 110 Crown Clearance (m): 1.5 Life Stage: Mature Rem. Contrib.: 20+ Years	N:1.5 E:3.5 S:2 W:1.5	Small tree, suppressed, Asymmetrical crown.	C2	Radius: 1.3m. Area: 5 sq m.	Physiological Condition: Fair Structural Condition: Fair Public Amenity Value: Low
T150	Scots pine ( <i>Pinus sylvestris</i> )	Height (m): 16 Stem Diam(mm): 630 Crown Clearance (m): 5 Life Stage: Mature Rem. Contrib.: 40+ Years	N:6 E:6.5 S:2 W:2	Historic wounding / canker on lower trunk.	B1	Radius: 7.6m. Area: 181 sq m.	Physiological Condition: Good Structural Condition: Fair Public Amenity Value: Good
T151	Scots pine ( <i>Pinus sylvestris</i> )	Height (m): 14 Stem Diam(mm): 540 Crown Clearance (m): 4 Life Stage: Mature Rem. Contrib.: 40+ Years	N:3 E:1 S:3 W:3.5	Swept stem, asymmetrical crown. Historic wounding / canker on lower trunk.	B1	Radius: 6.5m. Area: 133 sq m.	Physiological Condition: Fair Structural Condition: Fair Public Amenity Value: Moderate
T152	Pedunculate oak ( <i>Quercus robur</i> )	Height (m): 16 Stem Diam(mm): 480 Crown Clearance (m): 1 Life Stage: Mature Rem. Contrib.: 40+ Years	N:6 E:2 S:8 W:7	Suppressed tree. Adapted growth around adjacent pine.	B2	Radius: 5.8m. Area: 106 sq m.	Physiological Condition: Good Structural Condition: Fair Public Amenity Value: Good

## 5. QUALIFICATIONS

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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 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. 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.