



DUCKWORTHS
ARBORICULTURE LTD.

ARBORICULTURAL REPORT

BS:5837 TREE SURVEY

WATERLOO COTTAGE, COOKS HILL COTTAGE &
WOODLANDS FARM
BATH ROAD
KNOWL HILL
BERKSHIRE
RG10 9UP

CLIENT: MR. S. AHLUWALIA

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Ref: 06383 / 2024

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1. INTRODUCTION

1.1 AUTHORSHIP

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

I have been instructed by Henk Wieringa of Hives Architects, on behalf of the owner to survey the trees growing on and adjacent to Waterloo Cottage, Cooks Hill Cottage and Woodlands Farm in accordance with BS:5837 (2012) 'Trees in Relation to Design, Demolition and Construction'.

1.2 SCOPE

The survey area was identified during a site visit on Tuesday 30th April. Fences present were taken as the presumed site boundary. It is the client's responsibility to ensure that this report covers all areas under the brief of the tree inspection and refer any concerns regarding this matter back to the Arboricultural Consultant.

It was beyond the scope of this survey to sever and remove ivy or clear dense vegetation. Reasonable effort was made to access the base of each tree, however in some areas, dense vegetation and ivy prevented a full visual inspection of some trees - tree canopies and physiological health were still appraised and measurements estimated.

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, 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 positions of trees on the tree plan have been taken from a topographical survey provided by the client. The tree plan should not be taken as exact, but the plan is a good representation of the location of the trees growing on and adjacent to the properties.

1.4 PLANNING CONSTRAINTS

TREE PRESERVATION ORDERS

I have confirmed on the Wokingham Borough Council online Tree Preservation Order Plan that trees at Waterloo Cottage / Cooks Hill Cottage / Woodlands Farm are protected by an Area Tree Preservation Order ref TPO-1639-2018.

The area category is a means of protecting individual trees dispersed over an area. Authorities may either protect all trees within an area defined on the Order's map or only those species which it is expedient to protect in the interests of amenity.

The Area Order only protects those trees standing at the time it was made which in this case is 2018.

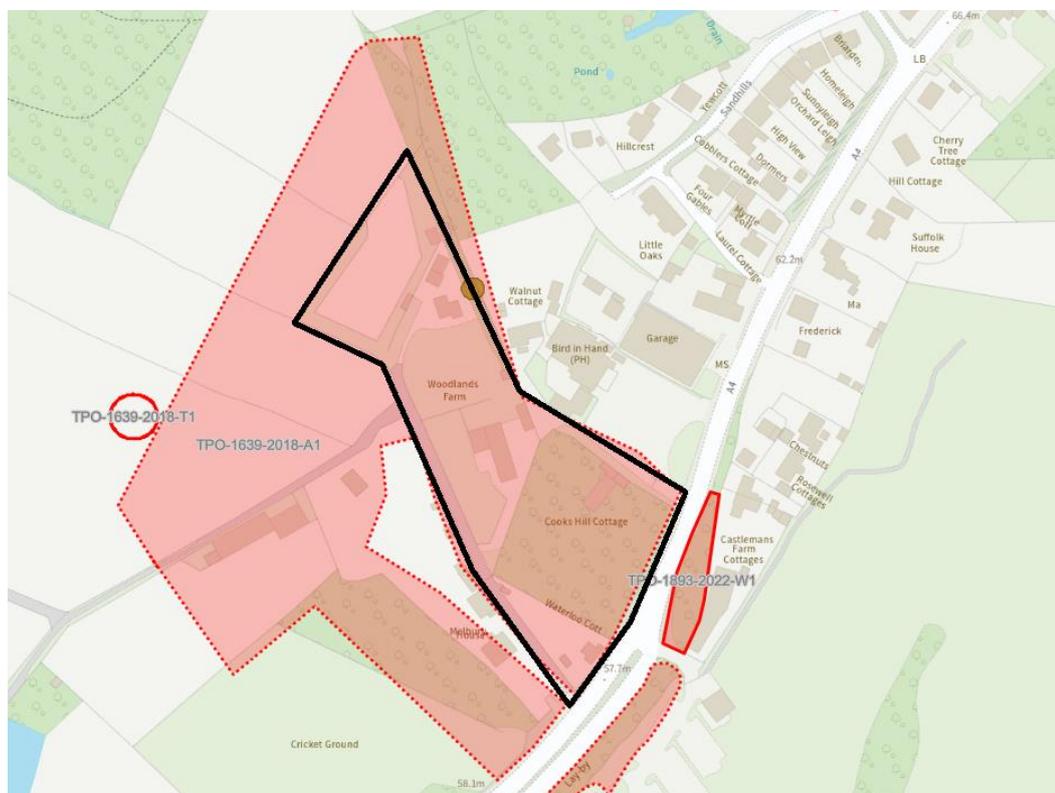


Figure 1 - Wokingham Borough Council TPO Map annotated with the survey boundary in black.

CONSERVATION AREA

Waterloo Cottage / Cooks Hill Cottage / Woodlands Farm are not within a Conservation Area.

ANCIENT WOODLAND

Waterloo Cottage / Cooks Hill Cottage / Woodlands Farm is not located in or near Ancient Woodland.

2. SURVEY

2.1 APPRAISAL

The trees were surveyed on Tuesday 28th May 2024.

On the day of the survey 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 75 individual trees and 12 tree groups / hedges 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
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	
Publication by the Tree Council 'Ash dieback disease: a guide for tree owners' (June 2020)	grades the extent of dieback into 4 classifications.	
	<ul style="list-style-type: none">• CLASS 1 100%–76% of the crown remains• CLASS 2 75%–51% of the crown remains• CLASS 3 50%–26% of the crown remains• CLASS 4 25%–0% of the crown remains	

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.'*

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>Category 'U'</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>Category 'A'</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>Category '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>Category 'C'</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
G001	Bay tree (Laurus nobilis)	Height (m): 6.5 Stem Diam(mm): 100 Crown Clearance (m): 0 Life Stage: Mature Rem. Contrib.: 20+ Years	N:1.5 E:1.5 S:1.5 W:1.5	Lapsed hedgerow, now heavily oppressive for derelict dwelling.	C1	Area: 28 sq m.	Physiological Condition: Good Structural Condition: Fair Public Amenity Value: Low Inspection Limitations: Dense vegetation
G002	Common hawthorn (Crataegus monogyna) Hazel x4 (Corylus avellana) Oak (Quercus robur) Portuguese laurel (Prunus lusitanica)	Height (m): 3 4 stem, avg.(mm): 120 Crown Clearance (m): 1.5 Life Stage: Mature Rem. Contrib.: 20+ Years	N:1.5 E:1.5 S:1.5 W:1.5	Small trees, mature coppiced hazel. Topped at 3m to create reasonable clearance to overhead armoured cables. Trees cannot grow to their full potential in this location.	C2	Area: 124 sq m.	Physiological Condition: Fair Structural Condition: Poor Public Amenity Value: Low Inspection Limitations: Dense vegetation
G003	Mixed hedge (Mixed hedge)	Height (m): 5.5 Stem Diam(mm): 150 Crown Clearance (m): 0.5 Life Stage: Mature Rem. Contrib.: 20+ Years	N:2.5 E:2.5 S:2.5 W:2.5	Over-mature hedgerow, Hazel and Blackthorn. Cut back to edge of driveway. Ground level changes at base -100/150mm	C2	Area: 60 sq m.	Physiological Condition: Fair Structural Condition: Poor Public Amenity Value: Low
G004	Mixed species (Mixed species)	Height (m): 3.5 Stem Diam(mm): 80 Crown Clearance (m): 0 Life Stage: Mature Rem. Contrib.: 20+ Years	N:0.5 E:0.5 S:0.5 W:0.5	Clipped hedge on edge of ditch, far side of driveway. Native broadleaf species. Hawthorn, Hazel, Ash. Prolific ivy throughout group.	C2	Area: 86 sq m.	Physiological Condition: Good Structural Condition: Fair Public Amenity Value: Low
G005	Mixed species (Mixed species)	Height (m): 3.5 Stem Diam(mm): 80 Crown Clearance (m): 0 Life Stage: Mature Rem. Contrib.: 20+ Years	N:0.5 E:0.5 S:0.5 W:0.5	Clipped hedge on edge of ditch, far side of driveway. Native broadleaf species. Hawthorn, Hazel, Ash. Prolific ivy throughout group.	C2	Area: 94 sq m.	Physiological Condition: Good Structural Condition: Fair Public Amenity Value: Low
G006	Mixed species (Mixed species)	Height (m): 16 Stem Diam(mm): 400 Crown Clearance (m): 2 Life Stage: Mature Rem. Contrib.: 40+ Years	N:5 E:5 S:5 W:5	Dense tree group, set back from building works. Mixed age and stem diameter.	B1	Area: 1082 sq m.	Physiological Condition: Fair Structural Condition: Fair Public Amenity Value: Moderate

Ref.	Species	Measurements	Spread	General Observations	Retention Category	RPA	Condition
G007	Lawson cypress x22 (<i>Chamaecyparis lawsoniana</i>)	Height (m): 13 22 stems, avg.(mm): 350 Crown Clearance (m): 2 Life Stage: Mature Rem. Contrib.: 20+ Years	N:2.5 E:2.5 S:2.5 W:2.5	Linear slender tree group. Suppressed by larger beech. Vehicle tracks at base. Possible ground works at base.	C2	Area: 177 sq m.	Physiological Condition: Fair Structural Condition: Fair Public Amenity Value: Low
H001	Monterey cypress x11 (<i>Cupressus macrocarpa</i>)	Height (m): 3 11 stems, avg.(mm): 100 Crown Clearance (m): 1.5 Life Stage: Mature Rem. Contrib.: 20+ Years	N:1.5 E:1.5 S:1.5 W:1.5	Topped hedgerow trees. Irregular, poor form. Some trees dead.	C1	Radius: 1.2m. Area: 36 sq m.	Physiological Condition: Poor Structural Condition: Poor Public Amenity Value: Low
H002	Leyland cypress x14 (X <i>Cuprocypris leylandii</i>)	Height (m): 4.5 14 stems, avg.(mm): 200 Crown Clearance (m): 1.5 Life Stage: Mature Rem. Contrib.: 10+ Years	N:1.5 E:1.5 S:1.5 W:1.5	Small trees topped at 4m due to overhead power lines. Girdled by nylon rope. Stripped bark on lower trunk - deer damage.	C1,2	Radius: 2.4m. Area: 90 sq m.	Physiological Condition: Poor Structural Condition: Poor Public Amenity Value: Low
H003	Common hawthorn x4 (<i>Crataegus monogyna</i>)	Height (m): 6 4 stems, avg.(mm): 200 Crown Clearance (m): 1.5 Life Stage: Mature Rem. Contrib.: 20+ Years	N:1 E:1.5 S:3 W:1	Lapsed hedge group	C2	Radius: 2.4m. Area: 45 sq m.	Physiological Condition: Fair Structural Condition: Fair Public Amenity Value: Low
H004	Leyland cypress x14 (X <i>Cuprocypris leylandii</i>)	Height (m): 4 14 stems, avg.(mm): 200 Crown Clearance (m): 1.5 Life Stage: Mature Rem. Contrib.: 10+ Years	N:1.5 E:1.5 S:1.5 W:1.5	Small trees topped at 4m due to overhead power lines. 1m spacings.	C1,2	Radius: 2.4m. Area: 125 sq m.	Physiological Condition: Poor Structural Condition: Poor Public Amenity Value: Low
H005	Horse chestnut x4 (<i>Aesculus hippocastanum</i>) Pedunculate oak (<i>Quercus robur</i>)	Height (m): 17 5 stems, avg.(mm): 600 Crown Clearance (m): 2 Life Stage: Mature Rem. Contrib.: 20+ Years	N:5 E:5 S:5 W:5	Ivy clad trees. Poor form. Superficial bark wounds on trunk. Significant decay on trunk. Multiple stems.	C2	Radius: 7.2m. Area: 319 sq m.	Physiological Condition: Good Structural Condition: Poor Public Amenity Value: Moderate Inspection Limitations: Ivy
T001	Common ash (<i>Fraxinus excelsior</i>)	Height (m): 6 3 stems, avg.(mm): 50 Crown Clearance (m): 2.5 Life Stage: Young Rem. Contrib.: 10+ Years	N:1.5 E:1.5 S:2 W:1.5	Small tree, three-way stem fork at 1m. Canker on trunks. Pests and Diseases: Ash Dieback Infection Level 1: 0% to 25%	C2	Radius: 1.0m. Area: 3 sq m.	Physiological Condition: Fair Structural Condition: Fair Public Amenity Value: Low Inspection Limitations: Ivy and dense vegetation
T002	Pedunculate oak (<i>Quercus robur</i>)	Height (m): 14 Stem Diam(mm): 570 Crown Clearance (m): 3 Life Stage: Mature Rem. Contrib.: 40+ Years	N:5 E:6 S:5 W:5	Swept stem, ivy clad. Raised soil / mound at base. Foliage dense and even. Good vitality.	B1	Radius: 6.8m. Area: 145 sq m.	Physiological Condition: Good Structural Condition: Fair Public Amenity Value: Good Inspection Limitations: Ivy

Ref.	Species	Measurements	Spread	General Observations	Retention Category	RPA	Condition
T003	Common ash (Fraxinus excelsior)	Height (m): 17 Stem Diam(mm): 520 Crown Clearance (m): 5 Life Stage: Mature Rem. Contrib.: 10+ Years	N:8.5 E:12 S:4 W:3	Large root over 100mm diameter cut 1.5m from base with recent ditch works. Plunger roots from main root visible but intact. Twin stem from 4m. Union satisfactory. Deadwood throughout asymmetrical crown. 35% defoliated. Buttress root cut on southwest side at base for installation of fence. Stability of tree cannot be guaranteed. Pests and Diseases: Ash Dieback Infection Level 2: 25% to 50%	C1	Radius: 6.2m. Area: 121 sq m.	Physiological Condition: Poor Structural Condition: Physical Defect Public Amenity Value: Moderate
T004	Common beech (Fagus sylvatica)	Height (m): 19 2 stems, avg.(mm): 600 Crown Clearance (m): 3 Life Stage: Mature Rem. Contrib.: 10+ Years	N:7 E:5 S:6.5 W:7	Large number of Woody and fibrous roots cut 1m from base with recent ditch works. 30%of roots lost. Twin stem from 0.5m. Long area of included bark in fork to 2m. Ruptured bark on east side at 1m. Rapid bark growth scars suggest major defect /decay. Stability of tree cannot be guaranteed. Light ivy growth. Foliage dense and even. Good vitality.	C1	Radius: 10.2m. Area: 327 sq m.	Physiological Condition: Poor Structural Condition: Physical Defect Public Amenity Value: Moderate
T005	Pedunculate oak (Quercus robur)	Height (m): 12 Stem Diam(mm): 520 Crown Clearance (m): 1.5 Life Stage: Mature Rem. Contrib.: 40+ Years	N:6.5 E:7.5 S:4.5 W:3.5	Swept stem, asymmetrical canopy. Prolific epicormic shoots on upside of branches. Foliage density normal. Minor deadwood in crown.	B1	Radius: 6.2m. Area: 121 sq m.	Physiological Condition: Good Structural Condition: Fair Public Amenity Value: Good Inspection Limitations: Ivy
T006	Common ash (Fraxinus excelsior)	Height (m): 15 Stem Diam(mm): 360 Crown Clearance (m): 6 Life Stage: Mature Rem. Contrib.: 20+ Years	N:3.5 E:3.5 S:3.5 W:3.5	Twin stem from 6m. Union satisfactory. Minor deadwood in crown. Foliage density normal. Pests and Diseases: Ash Dieback Infection Level 1: 0% to 25%	C1	Radius: 4.3m. Area: 58 sq m.	Physiological Condition: Fair Structural Condition: Fair Public Amenity Value: Moderate
T007	Common ash (Fraxinus excelsior)	Height (m): 12 Stem Diam(mm): 340 Crown Clearance (m): 2 Life Stage: Mature Rem. Contrib.: 10+ Years	N:4 E:4 S:3 W:4	Twin stem from 4m. Union satisfactory. Minor deadwood throughout crown. Foliage sparse, epicormic growth on branches in lower canopy. Pests and Diseases: Ash Dieback Infection Level 2: 25% to 50%	C1	Radius: 4.1m. Area: 53 sq m.	Physiological Condition: Poor Structural Condition: Fair Public Amenity Value: Moderate
T008	Pedunculate oak (Quercus robur)	Height (m): 13 Stem Diam(mm): 490 Crown Clearance (m): 1.5 Life Stage: Mature Rem. Contrib.: 40+ Years	N:5 E:5 S:5.5 W:5	Early mature tree, well-formed and with long term potential.	B1	Radius: 5.9m. Area: 109 sq m.	Physiological Condition: Good Structural Condition: Good Public Amenity Value: Good Inspection Limitations: Bramble

Ref.	Species	Measurements	Spread	General Observations	Retention Category	RPA	Condition
T009	Hazel (Corylus avellana)	Height (m): 8 Stem Diam(mm): 650 Crown Clearance (m): 1 Life Stage: Mature Rem. Contrib.: 20+ Years	N:4 E:3.5 S:4 W:4	Large coppice stool. Mixed diameter stems. Ivy, deadwood and mistletoe present.	C2	Radius: 7.8m. Area: 191 sq m.	Physiological Condition: Fair Structural Condition: Fair Public Amenity Value: Moderate
T010	Pedunculate oak (Quercus robur)	Height (m): 14 2 stems (mm): 490,380 Crown Clearance (m): 1.5 Life Stage: Mature Rem. Contrib.: 40+ Years	N:4 E:7.5 S:8 W:5.5	Swept stem, asymmetrical canopy. Twin stem from 1m. Epicormic shoots on upside of branches. Foliage density normal. Minor deadwood in crown.	B1	Radius: 7.4m. Area: 172 sq m.	Physiological Condition: Good Structural Condition: Fair Public Amenity Value: Good Inspection Limitations: Ivy
T011	Plum (Prunus domestica)	Height (m): 3.5 Stem Diam(mm): 80 Crown Clearance (m): 1 Life Stage: Mature Rem. Contrib.: 20+ Years	N:1 E:1.5 S:1 W:1	Small tree, no access to base due to dense vegetation.	C2	Radius: 1.0m. Area: 3 sq m.	Physiological Condition: Good Structural Condition: Fair Public Amenity Value: Low Inspection Limitations: Dense vegetation
T012	Western red cedar (Thuja plicata)	Height (m): 16 Stem Diam(mm): 450 Crown Clearance (m): 0 Life Stage: Mature Rem. Contrib.: 10+ Years	N:3.5 E:3.5 S:3.5 W:3.5	Low layering lateral branches. Significant Dieback /deadwood in upper crown. Tree in decline.	C1	Radius: 5.4m. Area: 92 sq m.	Physiological Condition: Poor Structural Condition: Fair Public Amenity Value: Moderate Inspection Limitations: Dense low crown.
T013	Common ash (Fraxinus excelsior)	Height (m): 17 Stem Diam(mm): 760 Crown Clearance (m): 5 Life Stage: Mature Rem. Contrib.: 10+ Years	N:8.5 E:7 S:5.5 W:7	Large roots x4 over 100mm diameter and other smaller woody roots cut 1m from base with recent ditch works. Deadwood throughout asymmetrical crown. 30% defoliated. Major deadwood in crown. Foliage sparse. Stability of tree cannot be guaranteed. Pests and Diseases: Ash Dieback Infection Level 2: 25% to 50%	C1	Radius: 9.1m. Area: 260 sq m.	Physiological Condition: Poor Structural Condition: Physical Defect Public Amenity Value: Moderate
T014	Sycamore (Acer pseudoplatanus)	Height (m): 14 2 stems, avg.(mm): 700 Crown Clearance (m): 1.5 Life Stage: Mature Rem. Contrib.: 40+ Years	N:4 E:9.5 S:9 W:5.5	Swept stem, asymmetrical canopy. Prolific ivy on trunk. Restricted access to base.	B1,2	Radius: 11.9m. Area: 445 sq m.	Physiological Condition: Good Structural Condition: Fair Public Amenity Value: Good Inspection Limitations: Ivy
T015	Horse chestnut (Aesculus hippocastanum)	Height (m): 15 2 stems (mm): 400,500 Crown Clearance (m): 1.5 Life Stage: Mature Rem. Contrib.: 40+ Years	N:7 E:8 S:6 W:6	Restricted access to base. Two stems from ground level.	B2	Radius: 7.7m. Area: 186 sq m.	Physiological Condition: Good Structural Condition: Fair Public Amenity Value: Moderate Inspection Limitations: Access

Ref.	Species	Measurements	Spread	General Observations	Retention Category	RPA	Condition
T016	Horse chestnut (Aesculus hippocastanum)	Height (m): 16 Stem Diam(mm): 970 Crown Clearance (m): 2 Life Stage: Mature Rem. Contrib.: 40+ Years	N:7 E:7 S:7 W:7	Large tree directly adjacent to brick store. Heavily reduced in the past. Remains of polypore fungal bracket at base.	B1	Radius: 11.6m. Area: 423 sq m.	Physiological Condition: Good Structural Condition: Requires further assessment Public Amenity Value: Moderate Inspection Limitations: Access
T017	Pedunculate oak (Quercus robur)	Height (m): 17 Stem Diam(mm): 1000 Crown Clearance (m): 2 Life Stage: Mature Rem. Contrib.: 40+ Years	N:3 E:5 S:3 W:3	Large tree ivy clad. Heavily reduced in the past. Small, asymmetrical canopy.	B1	Radius: 12.0m. Area: 452 sq m.	Physiological Condition: Good Structural Condition: Requires further assessment Public Amenity Value: Moderate Inspection Limitations: Ivy
T018	Horse chestnut (Aesculus hippocastanum)	Height (m): 16 Stem Diam(mm): 670 Crown Clearance (m): 2 Life Stage: Mature Rem. Contrib.: 40+ Years	N:4.5 E:4.5 S:6 W:4.5	Base and trunk obscured by dense ivy growth. Historic wounding at base. Heavily reduced in the past. Bud proliferation and epicormic growth on trunk.	B1	Radius: 8.0m. Area: 201 sq m.	Physiological Condition: Good Structural Condition: Requires further assessment Public Amenity Value: Moderate Inspection Limitations: Access
T019	Pedunculate oak (Quercus robur)	Height (m): 16 Stem Diam(mm): 640 Crown Clearance (m): 2 Life Stage: Mature Rem. Contrib.: 40+ Years	N:2.5 E:4 S:6 W:3.5	Swept stem, asymmetrical lower crown. Bud proliferation and epicormic growth on trunk. Foliage density normal.	B1	Radius: 7.7m. Area: 186 sq m.	Physiological Condition: Good Structural Condition: Fair Public Amenity Value: Moderate
T020	Horse chestnut (Aesculus hippocastanum)	Height (m): 15 Stem Diam(mm): 420 Crown Clearance (m): 1.5 Life Stage: Mature Rem. Contrib.: 40+ Years	N:4 E:5 S:4 W:3	Restricted access to base. Ivy clad tree. Asymmetrical canopy.	B2	Radius: 5.0m. Area: 79 sq m.	Physiological Condition: Good Structural Condition: Fair Public Amenity Value: Moderate Inspection Limitations: Access
T021	English yew (Taxus baccata)	Height (m): 5 Stem Diam(mm): 200 Crown Clearance (m): 1.5 Life Stage: Mature Rem. Contrib.: 40+ Years	N:3 E:3.5 S:2 W:2	Small tree, asymmetrical canopy	C2	Radius: 2.4m. Area: 18 sq m.	Physiological Condition: Fair Structural Condition: Fair Public Amenity Value: Low
T022	Horse chestnut (Aesculus hippocastanum)	Height (m): 15 Stem Diam(mm): 510 Crown Clearance (m): 1.5 Life Stage: Mature Rem. Contrib.: 40+ Years	N:5 E:4 S:4 W:5	Restricted access to base. Ivy clad tree. Asymmetrical canopy.	B2	Radius: 6.1m. Area: 117 sq m.	Physiological Condition: Good Structural Condition: Fair Public Amenity Value: Moderate Inspection Limitations: Ivy
T023	Horse chestnut (Aesculus hippocastanum)	Height (m): 16 Stem Diam(mm): 510 Crown Clearance (m): 1.5 Life Stage: Mature Rem. Contrib.: 40+ Years	N:5 E:5 S:5 W:5	Restricted access to base. Ivy clad tree. Asymmetrical canopy.	B2	Radius: 6.1m. Area: 117 sq m.	Physiological Condition: Good Structural Condition: Fair Public Amenity Value: Moderate Inspection Limitations: Ivy

Ref.	Species	Measurements	Spread	General Observations	Retention Category	RPA	Condition
T024	Lombardy poplar (<i>Populus nigra italica</i>)	Height (m): 22 Stem Diam(mm): 1200 Crown Clearance (m): 5 Life Stage: Mature Rem. Contrib.: 10+ Years	N:5.5 E:7 S:4 W:5	Fencing close to trunk. Old metal railing occluded into lower trunk. Superficial bark wounds on trunk. Possible ground level changes -100mm at base. Only 30% of trunk accessible. Twin stem from 2m with area of bark inclusion. Signs of canopy separation in upper crown. Topped crown around 14m mature regrowth. Foliage density normal. Stability of tree cannot be guaranteed.	C1	Radius: 14.4m. Area: 651 sq m.	Physiological Condition: Poor Structural Condition: Unknown Public Amenity Value: Moderate
T025	Hazel (<i>Corylus avellana</i>)	Height (m): 7 4 stems, avg.(mm): 300 Crown Clearance (m): 3 Life Stage: Mature Rem. Contrib.: <10 years	N:6.5 E:4.5 S:3 W:2.5	Over mature coppiced stool. Asymmetrical canopy. Extensive decay on stems and major deadwood in crown. Future stem failure likely.	U	No RPA due to Retention Category of U.	Physiological Condition: Poor Structural Condition: Physical Defect Public Amenity Value: Moderate
T026	Lime (<i>Tilia sp.</i>)	Height (m): 16 Stem Diam(mm): 570 Crown Clearance (m): 4 Life Stage: Mature Rem. Contrib.: 20+ Years	N:4 E:4.5 S:5 W:3	Twin stem from 2m. Cup union. Trenching for services 3.7m from base. Foliage dense. Good vitality.	B1	Radius: 6.8m. Area: 145 sq m.	Physiological Condition: Good Structural Condition: Physical Defect Public Amenity Value: Moderate
T027	Lime (<i>Tilia sp.</i>)	Height (m): 16 Stem Diam(mm): 550 Crown Clearance (m): 4 Life Stage: Mature Rem. Contrib.: 20+ Years	N:5 E:3 S:5 W:3.5	Twin stem from 2.5m. Cup union. Ivy clad. Trenching for services 3.5m from base. Foliage dense. Good vitality.	B1	Radius: 6.6m. Area: 137 sq m.	Physiological Condition: Good Structural Condition: Physical Defect Public Amenity Value: Moderate
T028	Common beech (<i>Fagus sylvatica</i>)	Height (m): 16 Stem Diam(mm): 300 Crown Clearance (m): 3 Life Stage: Mature Rem. Contrib.: 20+ Years	N:2 E:4 S:4.5 W:2	Slender tree, superficial bark wounds on trunk.	B2	Radius: 3.6m. Area: 41 sq m.	Physiological Condition: Fair Structural Condition: Fair Public Amenity Value: Good
T029	Horse chestnut (<i>Aesculus hippocastanum</i>)	Height (m): 16 Stem Diam(mm): 420 Crown Clearance (m): 3 Life Stage: Mature Rem. Contrib.: 20+ Years	N:2.5 E:3.5 S:5.5 W:3.5	Slender tree, heavily suppressed by off-site Beech	B2	Radius: 5.0m. Area: 79 sq m.	Physiological Condition: Fair Structural Condition: Fair Public Amenity Value: Good
T030	Elm (<i>Ulmus sp.</i>)	Height (m): 12 Stem Diam(mm): 310 Crown Clearance (m): 4.5 Life Stage: Mature Rem. Contrib.: 20+ Years	N:4 E:4 S:5 W:4	Ivy clad tree in dense tree group.	B2	Radius: 3.7m. Area: 43 sq m.	Physiological Condition: Fair Structural Condition: Unknown Public Amenity Value: Moderate Inspection Limitations: Ivy

Ref.	Species	Measurements	Spread	General Observations	Retention Category	RPA	Condition
T031	Common ash (Fraxinus excelsior)	Height (m): 12 Stem Diam(mm): 300 Crown Clearance (m): 4.5 Life Stage: Mature Rem. Contrib.: 20+ Years	N:3 E:2 S:4 W:2	Ivy clad tree in dense tree group. Foliage dense. Asymmetrical canopy.	B2	Radius: 3.6m. Area: 41 sq m.	Physiological Condition: Fair Structural Condition: Unknown Public Amenity Value: Moderate Inspection Limitations: Ivy
T032	Common ash (Fraxinus excelsior)	Height (m): 17 3 stems, avg.(mm): 460 Crown Clearance (m): 5 Life Stage: Mature Rem. Contrib.: 10+ Years	N:8.5 E:8.5 S:8.5 W:8.5	Three stems from ground level. Ivy clad. Foliage uneven. Some deadwood in crown. Pests and Diseases: Ash Dieback Infection Level 1: 0% to 25%	C1	Radius: 9.6m. Area: 290 sq m.	Physiological Condition: Fair Structural Condition: Fair Public Amenity Value: Moderate Inspection Limitations: Ivy
T033	Common hawthorn (Crataegus monogyna)	Height (m): 2.5 Stem Diam(mm): 100 Crown Clearance (m): 0.5 Life Stage: Mature Rem. Contrib.: 10+ Years	N:0.5 E:0.5 S:1 W:0.5	Small tree, topped. Poor form. Lacking vitality.	C2	Radius: 1.2m. Area: 5 sq m.	Physiological Condition: Fair Structural Condition: Fair Public Amenity Value: Low
T034	Common hawthorn (Crataegus monogyna)	Height (m): 4 Stem Diam(mm): 100 Crown Clearance (m): 2 Life Stage: Mature Rem. Contrib.: 10+ Years	N:1.5 E:1 S:1.5 W:2	Small multi-stem tree. Fair form and vitality.	C2	Radius: 1.2m. Area: 5 sq m.	Physiological Condition: Good Structural Condition: Fair Public Amenity Value: Low
T035	Common hawthorn (Crataegus monogyna)	Height (m): 3.5 Stem Diam(mm): 100 Crown Clearance (m): 2 Life Stage: Mature Rem. Contrib.: 10+ Years	N:1.5 E:2 S:1.5 W:2	Small tree, multiple branching from 1m. Good vitality.	C2	Radius: 1.2m. Area: 5 sq m.	Physiological Condition: Good Structural Condition: Fair Public Amenity Value: Low
T036	Hazel (Corylus avellana)	Height (m): 5 Stem Diam(mm): 400 Crown Clearance (m): 1.5 Life Stage: Mature Rem. Contrib.: 20+ Years	N:1 E:2 S:0.5 W:2	Large coppice stool. Cut back to edge of driveway.	C2	Radius: 4.8m. Area: 72 sq m.	Physiological Condition: Good Structural Condition: Fair Public Amenity Value: Low
T037	Common hawthorn (Crataegus monogyna)	Height (m): 5 Stem Diam(mm): 80 Crown Clearance (m): 1.5 Life Stage: Mature Rem. Contrib.: 10+ Years	N:0.5 E:0.5 S:0.5 W:0.5	Small tree, multiple branching from 1m. Good vitality.	C2	Radius: 1.0m. Area: 3 sq m.	Physiological Condition: Good Structural Condition: Fair Public Amenity Value: Low
T038	Common hawthorn (Crataegus monogyna)	Height (m): 5 Stem Diam(mm): 80 Crown Clearance (m): 1.5 Life Stage: Mature Rem. Contrib.: 10+ Years	N:0.5 E:0.5 S:0.5 W:0.5	Small tree, multiple branching from 1m. Good vitality.	C2	Radius: 1.0m. Area: 3 sq m.	Physiological Condition: Good Structural Condition: Fair Public Amenity Value: Low

Ref.	Species	Measurements	Spread	General Observations	Retention Category	RPA	Condition
T039	Pedunculate oak (Quercus robur)	Height (m): 12 Stem Diam(mm): 640 Crown Clearance (m): 2 Life Stage: Mature Rem. Contrib.: 40+ Years	N:8.5 E:9.5 S:8 W:8	Ditch edge tree. Ditch lining with concrete 5.6m from tree. No visible evidence of tree root damage. Adjacent drive on far side of ditch resurfaced with hardcore and gravel. Broad canopy. Foliage density normal.	B1	Radius: 7.7m. Area: 186 sq m.	Physiological Condition: Good Structural Condition: Good Public Amenity Value: Moderate Inspection Limitations: Access
T040	Pedunculate oak (Quercus robur)	Height (m): 8 Stem Diam(mm): 450 Crown Clearance (m): 2 Life Stage: Mature Rem. Contrib.: 40+ Years	N:2 E:4 S:3 W:3.5	Small ivy clad tree on far side of ditch. Foliage density normal.	B1	Radius: 5.4m. Area: 92 sq m.	Physiological Condition: Good Structural Condition: Unknown Public Amenity Value: Moderate Inspection Limitations: Ivy
T041	Monterey pine (Pinus radiata)	Height (m): 16 Stem Diam(mm): 680 Crown Clearance (m): 5.5 Life Stage: Mature Rem. Contrib.: 40+ Years	N:7.5 E:4.5 S:4 W:5.5	Large ivy clad tree on far side of ditch. Foliage density sparse. Dead branches in lower crown.	B1	Radius: 8.2m. Area: 211 sq m.	Physiological Condition: Good Structural Condition: Unknown Public Amenity Value: Moderate Inspection Limitations: Ivy
T042	Common ash (Fraxinus excelsior)	Height (m): 10 Stem Diam(mm): 300 Crown Clearance (m): 3.5 Life Stage: Mature Rem. Contrib.: 10+ Years	N:6 E:4 S:3 W:4.5	Swept stem. Ivy clad small tree on far side of trunk. Pests and Diseases: Ash Dieback Infection Level 1: 0% to 25%	C1,2	Radius: 3.6m. Area: 41 sq m.	Physiological Condition: Fair Structural Condition: Fair Public Amenity Value: Moderate
T043	Pedunculate oak (Quercus robur)	Height (m): 12 Stem Diam(mm): 640 Crown Clearance (m): 2 Life Stage: Mature Rem. Contrib.: 40+ Years	N:2 E:4 S:4 W:7	Ivy clad mature tree on far side of ditch. Possible grading of ditch edge. Fibrous roots visible. No visible evidence of major Woody roots having been cut. Foliage density normal. Stability of tree cannot be guaranteed.	B1	Radius: 7.7m. Area: 186 sq m.	Physiological Condition: Good Structural Condition: Unknown Public Amenity Value: Moderate Inspection Limitations: Ivy
T044	Field maple (Acer campestre)	Height (m): 14 Stem Diam(mm): 440 Crown Clearance (m): 3 Life Stage: Mature Rem. Contrib.: 20+ Years	N:3 E:4 S:5.5 W:6.5	New culvert on ditch and brick pillar and boundary wall directly at base. Asymmetrical crown. Foliage density normal.	C2	Radius: 5.3m. Area: 88 sq m.	Physiological Condition: Good Structural Condition: Unknown Public Amenity Value: Moderate Inspection Limitations: Ivy
T045	Common ash (Fraxinus excelsior)	Height (m): 7 Stem Diam(mm): 200 Crown Clearance (m): 2 Life Stage: Mature Rem. Contrib.: 10+ Years	N:2 E:2 S:2 W:2	Small tree, symptoms of 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: Poor Public Amenity Value: Low
T046	Common ash (Fraxinus excelsior)	Height (m): 15 Stem Diam(mm): 440 Crown Clearance (m): 3 Life Stage: Mature Rem. Contrib.: 10+ Years	N:8.5 E:3 S:4 W:4.5	On far side of ditch. Asymmetrical crown. Symptoms of Dieback in crown. Pests and Diseases: Ash Dieback Infection Level 2: 25% to 50%	C1	Radius: 5.3m. Area: 88 sq m.	Physiological Condition: Diseased Structural Condition: Poor Public Amenity Value: Low

Ref.	Species	Measurements	Spread	General Observations	Retention Category	RPA	Condition
T047	Pedunculate oak (Quercus robur)	Height (m): 12 Stem Diam(mm): 660 Crown Clearance (m): 5 Life Stage: Over Mature Rem. Contrib.: 10+ Years	N:4 E:2 S:3.5 W:3.5	Offsite tree. Ivy clad. Limited live growth in canopy.	C1	Radius: 7.9m. Area: 196 sq m.	Physiological Condition: Poor Structural Condition: Unknown Public Amenity Value: Low Inspection Limitations: Offsite
T048	Hazel (Corylus avellana)	Height (m): 6 Stem Diam(mm): 250 Crown Clearance (m): 3 Life Stage: Mature Rem. Contrib.: 20+ Years	N:1 E:2 S:2 W:4	Coppice stool.	C2	Radius: 3.0m. Area: 28 sq m.	Physiological Condition: Fair Structural Condition: Fair Public Amenity Value: Low Inspection Limitations: Access
T049	Pedunculate oak (Quercus robur)	Height (m): 12 Stem Diam(mm): 1100 Crown Clearance (m): 2 Life Stage: Mature Rem. Contrib.: 40+ Years	N:10 E:9 S:10 W:10	Ivy clad mature tree on far side of ditch. Bud proliferation on trunk. Foliage density normal.	B1	Radius: 13.2m. Area: 547 sq m.	Physiological Condition: Good Structural Condition: Fair Public Amenity Value: Moderate Inspection Limitations: Ivy
T050	Hazel (Corylus avellana)	Height (m): 5 Stem Diam(mm): 300 Crown Clearance (m): 3 Life Stage: Mature Rem. Contrib.: 20+ Years	N:1.5 E:1.5 S:1.5 W:1.5	Coppice stool.	C2	Radius: 3.6m. Area: 41 sq m.	Physiological Condition: Fair Structural Condition: Fair Public Amenity Value: Low Inspection Limitations: No access due to dense vegetation
T051	Common hawthorn (Crataegus monogyna)	Height (m): 6 Stem Diam(mm): 300 Crown Clearance (m): 2 Life Stage: Mature Rem. Contrib.: 20+ Years	N:4 E:3 S:3 W:3	Small tree in area of dense vegetation.	C2	Radius: 3.6m. Area: 41 sq m.	Physiological Condition: Good Structural Condition: Unknown Public Amenity Value: Low Inspection Limitations: No access due to dense vegetation
T052	Common ash (Fraxinus excelsior)	Height (m): 14 2 stems, avg.(mm): 350 Crown Clearance (m): 3 Life Stage: Mature Rem. Contrib.: 20+ Years	N:8.5 E:1 S:5 W:3	At base of Oak. Two stems grow in opposing directions. Swept low stems, asymmetrical crown. Pests and Diseases: Ash Dieback Infection Level 1: 0% to 25%	C2	Radius: 5.9m. Area: 109 sq m.	Physiological Condition: Fair Structural Condition: Fair Public Amenity Value: Low
T053	Pedunculate oak (Quercus robur)	Height (m): 15 Stem Diam(mm): 510 Crown Clearance (m): 5 Life Stage: Mature Rem. Contrib.: 40+ Years	N:2 E:4 S:7 W:4	Ivy clad mature tree swept stem, asymmetrical crown. Foliage density normal.	B1	Radius: 6.1m. Area: 117 sq m.	Physiological Condition: Good Structural Condition: Fair Public Amenity Value: Moderate Inspection Limitations: Ivy
T054	Common ash (Fraxinus excelsior)	Height (m): 7 Stem Diam(mm): 200 Crown Clearance (m): 2 Life Stage: Mature Rem. Contrib.: 10+ Years	N:1 E:2.5 S:3 W:3	Small tree, asymmetrical crown. Pests and Diseases: Ash Dieback Infection Level 1: 0% to 25%	C1	Radius: 2.4m. Area: 18 sq m.	Physiological Condition: Diseased Structural Condition: Poor Public Amenity Value: Low

Ref.	Species	Measurements	Spread	General Observations	Retention Category	RPA	Condition
T055	Common ash (Fraxinus excelsior)	Height (m): 7 Stem Diam(mm): 200 Crown Clearance (m): 2 Life Stage: Mature Rem. Contrib.: 10+ Years	N:2 E:2 S:2 W:2	Small tree, kinked trunk. Pests and Diseases: Ash Dieback Infection Level 1: 0% to 25%	C1	Radius: 2.4m. Area: 18 sq m.	Physiological Condition: Diseased Structural Condition: Poor Public Amenity Value: Low
T056	Common ash (Fraxinus excelsior)	Height (m): 17 Stem Diam(mm): 440 Crown Clearance (m): 4 Life Stage: Mature Rem. Contrib.: 20+ Years	N:7 E:7 S:7 W:7	High, broad canopy. Dead ivy stems on trunk. Deadwood in lower canopy. Pests and Diseases: Ash Dieback Infection Level 1: 0% to 25%	C2	Radius: 5.3m. Area: 88 sq m.	Physiological Condition: Fair Structural Condition: Fair Public Amenity Value: Low
T057	Pedunculate oak (Quercus robur)	Height (m): 13 Stem Diam(mm): 650 Crown Clearance (m): 6 Life Stage: Dead	N:3.5 E:3.5 S:3.5 W:3.5	Ivy clad standing dead tree. Habitat value	U	No RPA due to Retention Category of U.	Physiological Condition: Dead Structural Condition: Fair Public Amenity Value: Moderate Inspection Limitations: Ivy
T058	Common beech (Fagus sylvatica)	Height (m): 19 Stem Diam(mm): 1100 Crown Clearance (m): 6 Life Stage: Mature Rem. Contrib.: 10+ Years	N:8 E:8 S:6 W:5	Swept stem, pronounced buttress roots. Asymmetrical crown. Basal decay. Previous major branch failure in upper crown. Foliage density normal. Fungus: Kretzschmaria deusta (Brittle Cinder)	U	No RPA due to Retention Category of U.	Physiological Condition: Good Structural Condition: Physical Defect Public Amenity Value: Moderate
T059	Common beech (Fagus sylvatica)	Height (m): 9 Stem Diam(mm): 1100 Crown Clearance (m): 5 Life Stage: Mature Rem. Contrib.: 20+ Years	N:4 E:6 S:4 W:4	Main stem topped at 4m. Canopy formed from low branches before this point. Foliage density normal.	C1	Radius: 13.2m. Area: 547 sq m.	Physiological Condition: Good Structural Condition: Physical Defect Public Amenity Value: Low
T060	Pedunculate oak (Quercus robur)	Height (m): 18 Stem Diam(mm): 750 Crown Clearance (m): 3 Life Stage: Mature Rem. Contrib.: 40+ Years	N:8 E:2 S:9 W:5	Ivy clad mature tree, suppressed crown. Foliage density normal.	B1	Radius: 9.0m. Area: 254 sq m.	Physiological Condition: Good Structural Condition: Fair Public Amenity Value: Moderate Inspection Limitations: Ivy
T061	Common beech (Fagus sylvatica)	Height (m): 18 Stem Diam(mm): 840 Crown Clearance (m): 3 Life Stage: Mature Rem. Contrib.: 40+ Years	N:8 E:5 S:7 W:5	Mature tree on raised mound, suppressed crown. Entwined branches in upper crown. Foliage density normal.	B1	Radius: 10.1m. Area: 320 sq m.	Physiological Condition: Good Structural Condition: Fair Public Amenity Value: Moderate
T062	Horse chestnut (Aesculus hippocastanum)	Height (m): 18 Stem Diam(mm): 910 Crown Clearance (m): 2 Life Stage: Mature Rem. Contrib.: 40+ Years	N:8 E:6.5 S:8.5 W:6	Mature tree dense crown. Epicormic shoots throughout crown.	B1	Radius: 10.9m. Area: 373 sq m.	Physiological Condition: Good Structural Condition: Fair Public Amenity Value: Moderate

Ref.	Species	Measurements	Spread	General Observations	Retention Category	RPA	Condition
T063	Pedunculate oak (<i>Quercus robur</i>)	Height (m): 15 Stem Diam(mm): 650 Crown Clearance (m): 5 Life Stage: Mature Rem. Contrib.: 40+ Years	N:3 E:3 S:3 W:7	Ivy clad mature tree swept stem, asymmetrical crown. Foliage density normal. Trunk obscured by dense ivy. New gravel driveway 1m from base. Possible shallow excavation in this area.	B1	Radius: 7.8m. Area: 191 sq m.	Physiological Condition: Good Structural Condition: Fair Public Amenity Value: Moderate Inspection Limitations: Ivy
T064	Horse chestnut (<i>Aesculus hippocastanum</i>)	Height (m): 18 Stem Diam(mm): 800 Crown Clearance (m): 1 Life Stage: Mature Rem. Contrib.: 40+ Years	N:4 E:7.5 S:5 W:8	Mature tree dense crown. Epicormic shoots on trunk and throughout crown. Possible ground level changes +300 1.3m from base. Brick pillar 2.5m from base. Asymmetrical upper crown following collapse of adjacent Beech.	B1	Radius: 9.6m. Area: 290 sq m.	Physiological Condition: Good Structural Condition: Fair Public Amenity Value: Moderate
T065	Pedunculate oak (<i>Quercus robur</i>)	Height (m): 16 Stem Diam(mm): 850 Crown Clearance (m): 2 Life Stage: Mature Rem. Contrib.: 40+ Years	N:4 E:6 S:5 W:12	Epicormic growth on lower trunk. High asymmetrical crown. Habitat hole on trunk at 7m above ground level. Deadwood in crown. Foliage density normal.	B1	Radius: 10.2m. Area: 327 sq m.	Physiological Condition: Good Structural Condition: Fair Public Amenity Value: Moderate
T066	Pedunculate oak (<i>Quercus robur</i>)	Height (m): 18 Stem Diam(mm): 780 Crown Clearance (m): 4 Life Stage: Mature Rem. Contrib.: 40+ Years	N:5.5 E:7 S:7 W:12	Dead ivy stems on trunk. High asymmetrical crown. Deadwood in crown. Foliage density normal.	B1	Radius: 9.4m. Area: 278 sq m.	Physiological Condition: Good Structural Condition: Fair Public Amenity Value: Moderate
T067	Horse chestnut (<i>Aesculus hippocastanum</i>)	Height (m): 14 2 stems, avg.(mm): 400 Crown Clearance (m): 2 Life Stage: Mature Rem. Contrib.: 40+ Years	N:6 E:6 S:6 W:6	Superficial bark wounds on trunk. Low, broad crown.	B2	Radius: 6.8m. Area: 145 sq m.	Physiological Condition: Good Structural Condition: Fair Public Amenity Value: Moderate
T068	Common beech (<i>Fagus sylvatica</i>)	Height (m): 18 Stem Diam(mm): 460 Crown Clearance (m): 6 Life Stage: Mature Rem. Contrib.: 20+ Years	N:4.5 E:4.5 S:4.5 W:4.5	High slender canopy. Vehicle tracks at base. Bark damage to buttress roots. Possible soil level changes at base.	B2	Radius: 5.5m. Area: 95 sq m.	Physiological Condition: Fair Structural Condition: Fair Public Amenity Value: Moderate Inspection Limitations: Dense vegetation
T069	Common beech (<i>Fagus sylvatica</i>)	Height (m): 18 2 stems (mm): 420,600 Crown Clearance (m): 6 Life Stage: Mature Rem. Contrib.: 20+ Years	N:3 E:4.5 S:7 W:4.5	Included bark between two stems to 1.2m. Vehicle tracks at base. Swept stems, asymmetrical canopy.	B2	Radius: 8.8m. Area: 243 sq m.	Physiological Condition: Fair Structural Condition: Fair Public Amenity Value: Moderate Inspection Limitations: Dense vegetation

Ref.	Species	Measurements	Spread	General Observations	Retention Category	RPA	Condition
T070	Common beech (Fagus sylvatica)	Height (m): 18 Stem Diam(mm): 750 Crown Clearance (m): 6 Life Stage: Mature Rem. Contrib.: 20+ Years	N:8 E:4.5 S:6 W:4.5	High suppressed canopy. Vehicle tracks at base. Bark damage to buttress roots. Possible soil level changes at base.	B2	Radius: 9.0m. Area: 254 sq m.	Physiological Condition: Fair Structural Condition: Fair Public Amenity Value: Moderate Inspection Limitations: Dense vegetation
T071	Common beech (Fagus sylvatica)	Height (m): 18 Stem Diam(mm): 720 Crown Clearance (m): 6 Life Stage: Mature Rem. Contrib.: 20+ Years	N:8.5 E:5 S:7 W:4.5	Swept stem. High suppressed canopy. Vehicle tracks at base. Bark damage to buttress roots. Possible soil level changes at base.	B2	Radius: 8.6m. Area: 232 sq m.	Physiological Condition: Fair Structural Condition: Fair Public Amenity Value: Moderate Inspection Limitations: Dense vegetation
T072	Common beech (Fagus sylvatica)	Height (m): 18 Stem Diam(mm): 630 Crown Clearance (m): 3 Life Stage: Mature Rem. Contrib.: 20+ Years	N:8 E:5 S:8 W:4	High suppressed canopy. Vehicle tracks at base. Bark damage to buttress roots. Possible soil level changes at base.	B2	Radius: 7.6m. Area: 181 sq m.	Physiological Condition: Fair Structural Condition: Fair Public Amenity Value: Moderate Inspection Limitations: Dense vegetation
T073	Common beech (Fagus sylvatica)	Height (m): 18 Stem Diam(mm): 400 Crown Clearance (m): 6 Life Stage: Mature Rem. Contrib.: 20+ Years	N:8.5 E:4 S:1 W:2	High suppressed canopy. Vehicle tracks at base. Bark damage to buttress roots. Possible soil level changes at base.	B2	Radius: 4.8m. Area: 72 sq m.	Physiological Condition: Fair Structural Condition: Fair Public Amenity Value: Moderate Inspection Limitations: Dense vegetation
T074	Common beech (Fagus sylvatica)	Height (m): 19 Stem Diam(mm): 1100 Crown Clearance (m): 3 Life Stage: Mature Rem. Contrib.: 20+ Years	N:9.5 E:3 S:8.5 W:4	Large trunk. Multiple branching from 2m with included bark. High suppressed canopy. Vehicle tracks at base. Possible soil level changes at base.	B2	Radius: 13.2m. Area: 547 sq m.	Physiological Condition: Fair Structural Condition: Fair Public Amenity Value: Moderate Inspection Limitations: Dense vegetation
T075	Common beech (Fagus sylvatica)	Height (m): 15 Stem Diam(mm): 700 Crown Clearance (m): 4 Life Stage: Mature Rem. Contrib.: 20+ Years	N:7 E:2 S:8.5 W:11	Asymmetrical canopy. Swept stem. Ivy clad. Vehicle tracks at base. Bark damage to buttress roots. Possible soil level changes at base. New gravel driveway within rooting area.	B2	Radius: 8.4m. Area: 222 sq m.	Physiological Condition: Good Structural Condition: Fair Public Amenity Value: Moderate Inspection Limitations: Dense vegetation

5. 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 the Arboricultural Association.