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JAMES BLAKE

A S S O C I A T E S

Arboricultural Impact Assessment

Harefield Grove, Rickmansworth Road, Harefield

on behalf of

Comer Homes

10 August 2020

JBA 20/027 AR01

Over 30 Years of Service, Value and Innovation

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Project	Harefield Grove, Rickmansworth Road, Harefield
Report	Arboricultural Impact Assessment
Date	10 August 2020
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1 SUMMARY

- 1.1 This Arboricultural Impact Assessment has been commissioned by Comer Homes to accompany their planning submission for the conversion of the historic main house into eight dwelling units; removal of the existing stable block building and office extension; construction of a new residential “stable block” building, reinstatement of kitchen garden, tennis courts (including new sports play area), paths and driveway to the main house; and construction of parking spaces and refuse & cycle storage facilities.
- 1.2 This report has been prepared in accordance with British Standard 5837: Trees in relation to design, demolition and construction – Recommendations (2012). This document provides best practice advice, assessment, and guidance with regards to the design, planning and implementation of new developments.
- 1.3 This report concludes that the proposal is acceptable subject to the implementation of the tree protection and pruning measures outlined in this document and the accompanying arboricultural method statement (ref. JBA 20/027 AR02).

2 INSTRUCTIONS

- 2.1 James Blake Associates have been instructed to carry out a survey of trees and significant vegetation within Harefield Grove in relation to the application for redevelopment of the site.
- 2.2 Our assessment was carried out in accordance with BS 5837:2012 'Trees in relation to design, demolition and construction - Recommendations'.
- 2.3 Details of all surveyed vegetation can be found within the Tree Survey Schedule at Appendix 1. All trees were visually inspected from ground level only and no diagnostic equipment or detailed decay investigation was carried out.
- 2.4 Our report is prepared to provide supporting evidence and justification for redevelopment in relation to the existing trees and vegetation within and neighbouring the site.
- 2.5 The contents of this report are copyright of James Blake Associates and may not be copied without the author's permission. James Blake Associates' Terms and Conditions apply to this report and all associated works in conjunction with this project.

Documents provided

- 2.6 My report has been prepared with reference to the following documentation:
 - Topographical survey reference 560HG01A by Siteline
 - Proposed site plan reference HGH-CHAD-ZZ-ZZ-DR-A 0051 by Comer Homes

3 OBSERVATIONS

Site visit

3.1 The site was visited by Simon Smith on 9 and 10 July 2020 to identify, measure and locate trees and significant vegetation within and directly adjoining the site.

Site and context

3.2 The site is located within a historic parkland setting north of the village of Harefield. It is surrounded mainly by farmland with woodland abutting the south eastern corner of the site. Rickmansworth Road runs parallel to the western side of the site with farmland and pockets of woodland beyond. There are no public rights of way through or around the site.

3.3 Mature trees and groups extend around all sides of the site and also scattered throughout within, much of the planting contemporary with documented phases of landscaping during the nineteenth century and later.

3.4 Throughout the site there are a range of specimen trees and groups that contribute significantly to the wider landscape; however, the overall quality varies considerably and most are of moderate to low as individuals due to their structural and/or physiological condition, historical management or lack of visual presence.



Photograph 1: Showing approximate site boundary and site in relation to its surroundings

4 VIEWS OF TREES



Photograph 2: View of trees in car park south of office "stable block"



Photograph 3: View of trees within office internal courtyard from the north



Photograph 4: View of spruces (T45 and T44) from the north



Photograph 5: View of G49, T57 and T50 from the south east



**Photograph 6: View of birches (T52-56), willow (T51) and Western red cedar (T50)
adjacent the main house**



Photograph 7: View of veteran oak (T59) from the west



Photograph 8: View of trees T60-T64 from the south



Photograph 9: View of Giant sequoia (T67) from the south east



Photograph 10: View of trees east of office building from the north west



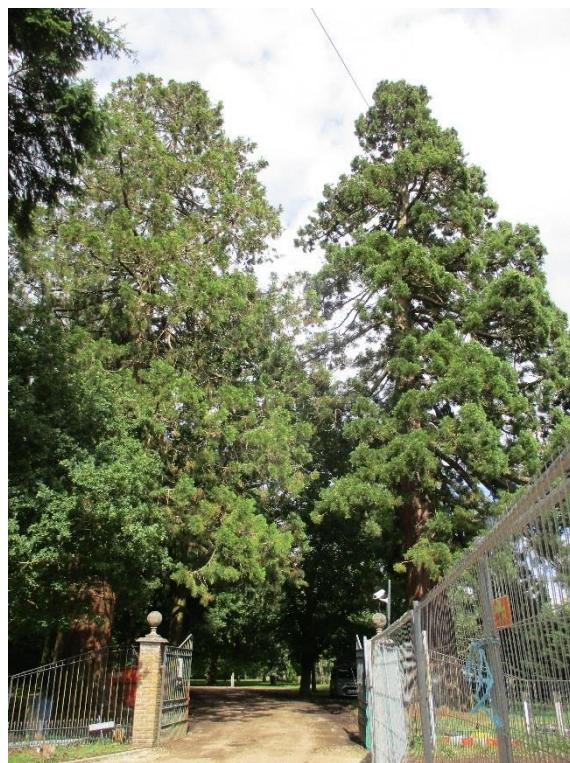
Photograph 11: View of G97 from the south



Photograph 12: View of vegetation adjacent Cottage House from the west



Photograph 13: View of trees along main driveway from the north east



Photograph 14: View of Giant sequoias (T152 & T153) from the site entrance

5 TECHNICAL INFORMATION

Statutory protection

- 5.1 According to London Borough of Hillingdon website the site is not located within a Conservation Area.
- 5.2 We have been informed that many of the trees within the site are the subject to the London Borough of Hillingdon Tree Preservation Order, Reference TPO No.1 1951 ref. W9; however, we do not have a copy of this document.

Soils and Geology

- 5.3 This information is obtained from The British Geological Survey (online) 'Geology of Britain Viewer' but is provided only as a guideline to assist with assessment of site conditions in relation to rooting habits of trees.
- 5.4 Soil conditions have the potential to affect tree growth, rooting depth and extent, species selection and foundation design and therefore a detailed soil assessment should be carried out by a competent person.
- 5.5 Bedrock geology is described as being Lambeth Group – Clay, Silt and Sand. Superficial deposits are shown as being Gerrards Cross Gravel – Sand And Gravel.

Planning policy

- 5.6 The National Planning Policy Framework sets out the government's planning policies for England and how these should be applied. The document replaces all previous documents and came into action in July 2018, subsequently updated February 2019.
- 5.7 The NPPF supports and promotes sustainable development, which it defines as having three dimensions; social, economic and environmental. It goes on to state that these three dimensions are mutually dependent and to achieve sustainable development they must be sought simultaneously.
- 5.8 Specifically, the NPPF states that "development resulting in the loss or deterioration of irreplaceable habitats (such as ancient woodland or ancient or veteran trees) should be refused, unless there are wholly exceptional reasons and a suitable compensation strategy exists".
- 5.9 One veteran oak was surveyed (T59).

6 ARBORICULTURAL APPRAISAL

- 6.1 The location, root protection area, crown spread and BS5837 categorisation is shown on the appended tree survey drawing at Appendix 2. Dimensions, comments and information gathered for each survey entry is provided in the tree schedule at Appendix 1.
- 6.2 Of the 200 survey entries, one was assessed as young, 85 as being semi mature, 81 as early mature, 30 as mature, one was assessed as being a veteran tree and the remaining two were assessed as dead.
- 6.3 The survey assessed the tree population as consisting predominantly of moderate to low quality trees. Of the 200 survey entries, three were deemed to be of high quality and value (A category), 82 were deemed to be of moderate quality and value (B category), 107 were assessed as being low quality and value (C category) and the remaining eight were poor quality (U category).

Identified impacts

- 6.4 Drawings JBA 20/027 TR01-03 at Appendix 2 shows the proposed layout and tree removals necessary to implement the proposed development.
- 6.5 The arboricultural impacts have been assessed and are deemed to be acceptable. In respect of the proposal the following have been identified as being of most significance;
 - Tree removals
 - Tree pruning
 - No dig construction of surfaces within RPAs
 - Arboricultural supervision
 - Tree protection requirements
 - Future tree management
 - Replacement planting

Tree removals

- 6.6 In order to implement the proposal, it will be necessary to remove a total of 78 trees or groups, and parts of two groups.
- 6.7 Whilst the internal vegetation to be removed is numerous its loss to public amenity is considered to be negligible due to its overall condition, lack of visual presence and the opportunity to replace with high quality planting.
- 6.8 Most of the trees to be removed are of low to poor quality and necessary for the proposed demolition and construction works; restoration of buildings subject to the existing planning permission; proposed reinstatement of the original driveway to the main house; proposed garden wall reinstatement; hard and soft landscaping, and tree safety management in light of the foreseeable increase in public use of the grounds from residents and visitors.
- 6.9 All vegetation growing around the boundaries of the site is to be retained, which will minimise the impact of the tree removals, and all retained trees within the site can be adequately protected throughout the development process.

Tree pruning

- 6.10 The eastern side of one group (G49) will be pruned where necessary to provide sufficient clearance prior to constructing the proposed original driveway to the main house. This will include cutting back of the evergreen shrub understorey and minor crown lifting of trees, which will not have an adverse impact on their condition or visual amenity value.
- 6.11 Two silver birches (T98 and T99) will have small diameter lower branches removed to provide sufficient clearance prior to building the approved house and parking spaces and restoring the adjacent conservatory. Such pruning will not adversely affect the trees' condition.
- 6.12 Selective pruning or removal of lower branches will be required to trees overhanging the proposed paths throughout the site; such works will be minor and will not have an adverse impact on their condition or visual amenity value

No Dig Construction of surfaces within RPAs

- 6.13 The driveways and parking spaces for the approved Conservatory House and Garden House encroach into the precautionary root protection areas of T98 and T99, two early mature B category silver birches; and T126, a mature C category Lombardy poplar.
- 6.14 The refuse and cycle storage facilities encroach within the RPA of T44, a mature B category Norway spruce.
- 6.15 Proposed resurfacing of the main driveway from the site entrance will be within the RPAs of numerous mature and early mature trees, most of which are of high to moderate quality and value.
- 6.16 Existing and proposed levels have been reviewed and engineers have clarified that no dig methods of construction are possible.
- 6.17 A cellular confinement system will be used to form a “table top” at each location, which will then be finished with a suitable permeable surface.
- 6.18 Parts of the areas in question are currently surfaced with tarmac (see section below); decompacting the soil surface and installing permeable surfaces will benefit the trees’ health by increasing the potential capacity for water percolation and gaseous exchange in the soil.
- 6.19 Treated timber edging will be installed to avoid any excavation for kerbs.

Arboricultural supervision of works within RPAs

- 6.20 The following works within the RPAs of adjacent trees will be carried out under supervision from the appointed arboricultural consultant. The locations in question are shown on the Tree Protection Plans JBA 20/027 TP01-03 at Appendix 2.
 - Breaking out of existing hard surfacing and soil decompaction regarding the aforementioned trees in sections 6.13 and 6.14 i.e., T44, T98, T99 and T126.
 - Installation of the no dig construction surfaces stated in the previous section.
 - Construction of new and reinstatement of previous paths throughout the site.
 - Construction of sports area where it encroaches into the groups G168 and G169.
 - Landscaping within the RPA of the aforementioned Norway spruce (T44).

Tree Protection

- 6.21 Drawings JBA 20/027 TP01-03 at Appendix 2 shows the position and extent of tree protection that will be required during construction.
- 6.22 With the exception of the aforementioned areas of no dig construction, no other specialised construction methods are required and all other works are outside precautionary RPAs of retained trees.
- 6.23 Tree protection will therefore consist of robust fencing secured to a solid framework as recommended within BS5837 2012.
- 6.24 Temporary ground protection with appropriate loading capacity for pedestrian traffic will be installed within the RPAs of the following trees in association with the construction/restoration of the buildings:
 - Stable building: T82, an early mature B category lime
 - Conservatory House: T98 and T99 aforementioned silver birches
 - Garden House: the aforementioned Lombardy poplar (T126) and an early mature Scots Pine (T129).

Future tree management

- 6.25 In light of the foreseeable increased use of the site grounds by residents and visitors, a tree safety management regime will be put in place to minimise the risk of trees causing injury or harm. This will include regular inspections to assess the trees' structural and physiological condition and recommend any remedial works in order to mitigate such risks.
- 6.26 Many of the retained trees are mature or early mature, and while most are in a good condition, a few currently have issues that will warrant inspection in the future e.g., one mature Deodar cedar (T74) and one mature oak (T93) affected by decay fungi.

Replacement planting

- 6.27 The development proposals include a comprehensive landscape strategy which includes significant tree, shrub and hedgerow planting.
- 6.28 As part of the proposals, new trees and a selection of various shrubs, herbs and other flowering plants will be planted at key locations throughout the development. These new trees offer the opportunity to enhance the tree population that currently occupies the site and ensures the continuation of visual and green amenity for future generations.

7 CONCLUSIONS AND RECOMMENDATIONS

- 7.1 The constraints that existing trees and vegetation pose to development have been assessed in accordance with BS5837: 2012 and through ongoing liaison between the design team and James Blake Associates.
- 7.2 This continuing involvement has culminated in a proposal that seeks to improve and enhance the tree scape of the site and the wider area whilst offering a sustainable approach to development.
- 7.3 Most trees to be removed are of low or poor quality and all are located internally to the site thereby minimising the impact of development on the local landscape.
- 7.4 Minor encroachment into root protection zones has been designed to ensure the health and stability of affected trees is not compromised and these details can be adequately secured through the use of appropriately worded planning conditions.
- 7.5 I recommend the proposal is approved subject to the implementation of the tree protection and pruning measures outlined in this document and the accompanying arboricultural method statement (ref. JBA 20/027 AR02).

APPENDIX 1: TREE SURVEY SCHEDULE

Tree Survey Schedule - Key

Life Stage	Description	Key	Description	BS Category	Description	
NP	Newly planted	Stem Ø (mm) at 1.5m	Diameter of stem(s) in millimetres measured at 1.5m above ground level in accordance with BS 5837:2012.	A	Tree(s) of high quality with an estimated remaining life expectancy of at least 40 years.	
Y: Young	An establishing tree that could be easily transplanted.	Stems	Numbers of stems or M/S = Multi-Stemmed.	B	Tree(s) of moderate quality with an estimated remaining life expectancy of at least 20 years.	
SM: Semi Mature	An established tree still to reach its ultimate height and spread and with considerable growth potential.	Height of (FSB)	Height of first significant branch above ground level.	C	Tree(s) of low quality and value with an estimated remaining life expectancy of at least 10 years, or young trees with a stem diameter below 150 mm.	
EM: Early Mature	A tree reaching its ultimate height and whose growth is slowing however it will still increase in stem diameter and crown spread.	Crown Spread	Crown spread at the four cardinal points, North, South, East and West.	U	Unsuitable for retention. Trees 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.	
M: Mature	A tree with limited potential for further significant increase in size although is likely to have a long safe useful life expectancy.	Condition	Assessment of the physiological and structural condition of the tree observed at the time of surveying.	RPA radius (m)		Radius of Root Protection Area (RPA) in metres based on relevant calculation in BS5837:2012 section 4.6.
OM: Over Mature	A senescent or moribund tree with a limited useful life expectancy.	Est Remaining Contribution (Years)	Estimated Remaining Contribution in Years (<10, 10+, 20+, 40+)	RPA Area (m ²)		A layout design tool indicating the minimum area surrounding the tree that contains sufficient rooting volume to maintain the tree's viability, and where the protection of the roots and soil structure is treated as a priority. Size and shape based on calculations and constraints noted in BS5837:2012 section 4.6.
V: Veteran	A tree older than typical for its species and of significant ecological, cultural or aesthetic value.					

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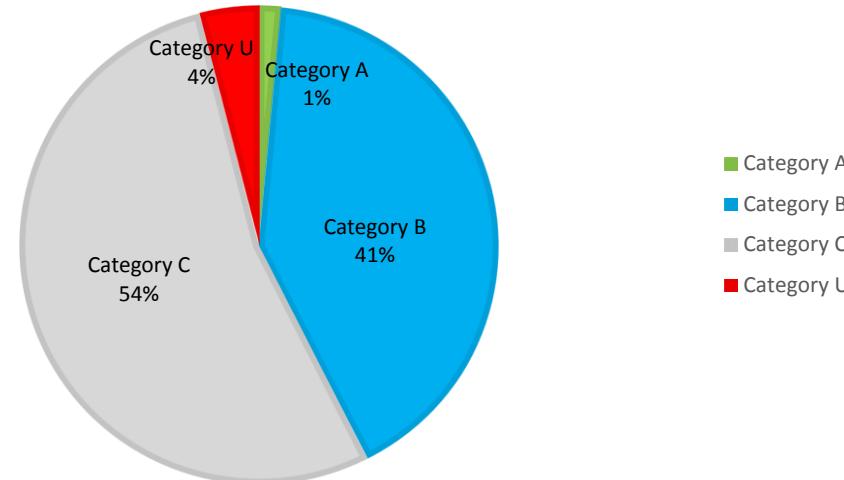
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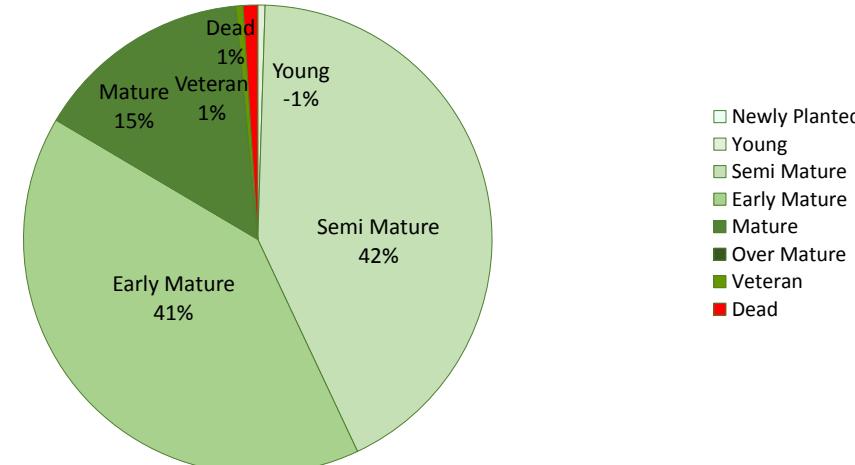
BS Category	Total
Category A	3
Category B	82
Category C	107
Category U	8
	200

BS CATEGORY CHART



Age Class	Total
Newly Planted	0
Young	1
Semi Mature	85
Early Mature	81
Mature	30
Over Mature	0
Veteran	1
Dead	2
	200

AGE CLASS CHART



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Tree Survey Schedule

Site name: Harefield Grove, Rickmansworth Road, Harefield

Client: Comer Homes

Job Number: 20/027

Survey Date: 9 and 10 July 2020

Surveyor: Simon Smith

Tree No.	Tree Species	Life Stage	Stem Ø (mm) at 1.5m	Height (crown height) (m)	Height of (FSB)	Crown Spread				Condition	Comments	Tree Management Recommendations	Est Remaining Contribution (Years)	BS Cat	RPA Radius (m)	RPA area (m2)
						N	E	S	W							
G1	Chamaecyparis lawsoniana (Lawson Cypress),x Cupressocyparis leylandii (Leyland Cypress),Acer pseudoplatanus (Sycamore),Sorbus aucuparia (Rowan),Prunus laurocerasus (Cherry Laurel),Fraxinus excelsior (Common Ash)	SM	173	5(0.5)		1.5	1	0.5	1	Good	Unable to fully inspect - vegetation. Stem diameter estimated. Mixed group of ornamental conifers, shrubs and self-set trees.		10+	C2	2.1	14
T2	Pyrus calleryana "Chanticleer" (Chanticleer Pear)	SM	200	8(2)	2	3	2	2	2	Poor	Unable to fully inspect - vegetation. Stem diameter estimated. Low vigour. Sparse crown.		10+	C1	2.4	18
T3	Pyrus calleryana "Chanticleer" (Chanticleer Pear)	SM	140	6(1.5)	2	1.5	1.5	1.5	1.5	Poor	Sparse crown.		10+	C2	1.7	9
T4	Pyrus calleryana "Chanticleer" (Chanticleer Pear)	SM	100	3.5(1.5)	1.5SW	1.5	1	1.5	1.5	Poor	Scattered dieback in crown.		10+	C2	1.2	5
T5	Pyrus calleryana "Chanticleer" (Chanticleer Pear)	SM	110	4(1.5)	1.5N	1.5	1	1.5	1.5	Fair	Basal and stem epicormic growth.		10+	C2	1.3	5
T6	Pyrus calleryana "Chanticleer" (Chanticleer Pear)	SM	120	4.5(1.5)	1.5NW	2.5	1.5	2	1.5	Fair	Basal and stem epicormic growth.		10+	C2	1.4	7
T7	Pyrus calleryana "Chanticleer" (Chanticleer Pear)	SM	110	4.5(1.5)	1.5NW	2	1.5	1.5	2	Fair	Basal and stem epicormic growth.		10+	C2	1.3	5

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Tree No.	Tree Species	Life Stage	Stem Ø (mm) at 1.5m	Height (crown height) (m)	Height of (FSB)	Crown Spread				Condition	Comments	Tree Management Recommendations	Est Remaining Contribution (Years)	BS Cat	RPA Radius (m)	RPA area (m2)
						N	E	S	W							
T8	Pyrus calleryana "Chanticleer" (Chanticleer Pear)	SM	120	4.5(2)	2	2	2	2.5	2	Poor	Scattered dieback in crown. Basal and stem epicormic growth.		10+	C2	1.4	7
T9	Pyrus calleryana "Chanticleer" (Chanticleer Pear)	SM	100	3.5(1.5)	1.5N	1.5	2	1.5	1.5	Poor	Scattered dieback in crown. Basal and stem epicormic growth.		10+	C2	1.2	5
T10	Pyrus calleryana "Chanticleer" (Chanticleer Pear)	SM	100	4(1.5)	1.5N	1	2	1.5	1	Poor	Scattered dieback in crown. Basal and stem epicormic growth.		10+	C2	1.2	5
T11	Pyrus calleryana "Chanticleer" (Chanticleer Pear)	SM	100	4.5(1.5)	1.5	1	2	1	2	Poor	Scattered dieback in crown. Basal and stem epicormic growth.		10+	C2	1.2	5
T12	Pyrus calleryana "Chanticleer" (Chanticleer Pear)	SM	150	6(1.5)	2	2.5	2.5	2.5	1	Poor	Low vigour. Basal and stem epicormic growth.		10+	C2	1.8	10
T13	Pyrus calleryana "Chanticleer" (Chanticleer Pear)	SM	200	7(2.5)	2	1.5	1.5	2	2	Fair	Unable to fully inspect - ivy and vegetation. Stem diameter estimated. Low vigour.		10+	C2	2.4	18
T14	Betula pendula (Silver Birch)	EM	340	11(1.5)	2E	4	5	3	4	Good	Unable to fully inspect - ivy.		20+	B1	4.1	52
T15	Betula pendula (Silver Birch)	SM	220	9(1)	3NE	4	4	5	4	Fair	Upper crown dieback.		10+	C1	2.6	22
T16	Sorbus aucuparia (Rowan)	SM	100	4(2)	2	1.5	2	2	1	Fair	Swedish whitebeam basal sucker growth, forming secondary stems.		10+	C1	1.2	5

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Tree No.	Tree Species	Life Stage	Stem Ø (mm) at 1.5m	Height (crown height) (m)	Height of (FSB)	Crown Spread				Condition	Comments	Tree Management Recommendations	Est Remaining Contribution (Years)	BS Cat	RPA Radius (m)	RPA area (m2)
						N	E	S	W							
T17	Prunus padus (Bird Cherry)	EM	390	8(2)	1.5W	4.5	4.5	5.5	5.5	Fair	Unable to fully inspect - ivy. Broken branches in crown.		10+	C1	4.7	69
T18	Sorbus aucuparia (Rowan)	SM	100	6(3)		1.5	1.5	1.5	1.5	Good	Not identified on topographical survey. Unable to fully inspect - vegetation. Stem diameter estimated.		10+	C1	1.2	5
T19	Betula pendula (Silver Birch)	SM	200	9(2.5)	2.5N	3.5	3	2.5	3	Fair	Not identified on topographical survey. Unable to fully inspect - ivy and vegetation. Stem diameter estimated. Upper crown dieback.		10+	C1	2.4	18
T20	Betula pendula (Silver Birch)	EM	320	11(2)	3NE	4	4	4	4	Poor	Unable to fully inspect - ivy and vegetation. Low vigour. Minor dead wood.		10+	C1	3.8	46
T21	Sorbus aria (Whitebeam)	SM	180	5.5(2.5)	2.5	2.5	2.5	2.5	2.5	Fair	Unable to fully inspect - ivy. Established basal sucker growth, forming secondary stems.		10+	C1	2.2	15
T22	Sorbus aria (Whitebeam)	SM	190	5(2.5)	2	2.5	2.5	2.5	2.5	Fair	Unable to fully inspect - ivy. Established basal sucker growth, forming secondary stems.		10+	C1	2.3	16
T23	Sorbus aria (Whitebeam)	SM	100	4(2.5)	2.5	1.5	1	1.5	1.5	Fair	Low vigour.		10+	C1	1.2	5
T24	Betula pendula (Silver Birch)	EM	250	12(1)	2E	3	3	3.5	5	Good	Unable to fully inspect - ivy. Branch tearout.		20+	B2	3.0	28
T25	Betula pendula (Silver Birch)	EM	250	12(2)		2	2	2	2.5	Fair	Not identified on topographical survey. Unable to fully inspect - ivy and vegetation. Stem diameter estimated. Sparse crown.		10+	C1	3.0	28

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						N	E	S	W							
T26	Betula utilis (Himalayan Birch)	EM	300	8(1.5)	1.5NE	4.5	5	5	5	Good			20+	B1	3.6	41
T27	Sorbus aucuparia (Rowan)	D	150	6(3.5)		2	3	3	4	Dead	Unable to fully inspect - vegetation. Stem diameter estimated. Fireblight.		<10	U	1.8	10
G28	Chamaecyparis lawsoniana (Lawson Cypress), Acer pseudoplatanus (Sycamore), Alnus cordata (Italian Alder), Cupressus macrocarpa (Monterey Cypress)	SM	100	6(1)		1	1	1	1	Good	Group of evergreen shrubs with self-set trees.		10+	C2	1.2	5
G29	Betula pendula (Silver Birch), Salix caprea (Goat Willow)	EM	229	13(2)		2	3	3	3	Good	Unable to fully inspect - ivy and vegetation. Stem diameter estimated. Largest stem diameter recorded.		20+	B2	2.7	24
G30	Taxus baccata (Common Yew)	SM	150	7(1)		1.5	1.5	1.5	1.5	Fair	Unable to fully inspect - ivy and vegetation. Stem diameter estimated. Scattered dieback in crown.		10+	C2	1.8	10
T31	Betula pendula (Silver Birch)	SM	230	11(2)	3.5N	3	3.5	3	5	Fair	Stem leans to south-west. Sparse crown. Branch growing over top of lamp column.		10+	C1	2.8	24
T32	Sorbus aucuparia (Rowan)	D	150	6(3)		2.5	2	2.5	1.5	Dead	Unable to fully inspect - vegetation. Stem diameter estimated.		<10	U	1.8	10
T33	Sorbus aria (Whitebeam)	SM	150	6(2)	2	4	3.5	3.5	3	Good	Unable to fully inspect - ivy and vegetation. Stem diameter estimated.		10+	C1	1.8	10

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						N	E	S	W							
T34	Chamaecyparis lawsoniana (Lawson Cypress)	EM	450	13(0.5)		2	2.5	2	1.5	Good			20+	B1	5.4	92
G35	Chamaecyparis lawsoniana (Lawson Cypress)	SM	150	12(0.5)	2	2	1	2	2	Good			10+	C2	5.4	92
T36	Salix caprea (Goat Willow)	M	660	8(1.5)	2S	4	8	7	8.5	Good	Minor dead wood. Branch pruning wounds.		10+	C1	7.9	197
T37	Sorbus aucuparia (Rowan)	SM	160	7(1.5)	1.5NW	2.5	2.5	2.5	2.5	Good			10+	C1	1.9	12
T38	Sorbus aucuparia (Rowan)	EM	250	8(2)	2.5	2	2.5	3.5	2.5	Fair	Minor dead wood. Stem pruning wounds. Stem wounds. Branch tearout. Fireblight.		10+	C1	3.0	28
T39	Chamaecyparis lawsoniana (Lawson Cypress)	SM	300	12(0)		2	3	3.5	3.5	Good	Unable to fully inspect - vegetation. Stem diameter estimated. Close to building.		10+	C1	3.6	41
T40	Chamaecyparis pisifera (Sawara Cypress)	SM	191	6(0.5)		1	2	2	1	Good	Stem diameter estimated. Multi-stemmed from base.		10+	C1	2.3	16
G41	Chamaecyparis lawsoniana (Lawson Cypress)	EM	424	13(0.5)		2.5	2	2.5	2	Good	Unable to fully inspect - vegetation. Stem diameter estimated. Largest stem diameter recorded.		20+	B2	5.1	81
T42	Ilex aquifolium (Common Holly)	SM	210	8(1)	3	2.5	2.5	2.5	2.5	Poor	Upper crown dieback.		<10	U	2.5	20

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						N	E	S	W							
T43	Taxus baccata (Common Yew)	SM	350	7(1)	0.5	3.5	3.5	3.5	3.5	Fair	Unable to fully inspect - vegetation. Stem diameter estimated. Stem pruning wounds. Sparse crown. Fruiting bodies on stem. <i>Laetiporus sulphureus</i> (Chicken of the Woods).		10+	C1	4.2	55
T44	Picea abies (Norway Spruce)	M	850	22.5(1.5)	7	3	2.5	4.5	3.5	Good	Unable to fully inspect - ivy. Mower damage to surface roots.		20+	B1	10.2	327
T45	Picea abies (Norway Spruce)	EM	480	21(3)	7	3	3.5	3.5	2	Fair	Sparse crown.		10+	C1	5.8	104
T46	Taxus baccata (Common Yew)	SM	200	4(0.5)		3.5	3.5	3.5	3.5	Poor	Unable to fully inspect - vegetation. Stem diameter estimated. Multi-stemmed from base. Upper crown dieback.		10+	C1	2.4	18
T47	x Cupressocyparis leylandii (Leyland Cypress)	EM	450	13(1)	0.5	5	5	5	5	Good	Unable to fully inspect - vegetation. Stem diameter estimated.		20+	B1	5.4	92
T48	Aesculus hippocastanum (Horse Chestnut)	M	740	17(8)	11	4.5	2.5	4	7	Fair	Historic crown lift. Codominant leaders. Tag 0405.		10+	C1	8.9	248

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						N	E	S	W							
G49	Taxus baccata (Common Yew), Prunus laurocerasus (Cherry Laurel), Thuja plicata (Western Red Cedar), Acer pseudoplatanus (Sycamore), Pinus sylvestris (Scots Pine), Quercus robur (Common Oak), Chamaecyparis lawsoniana (Lawson Cypress), Quercus rubra (Red Oak)	EM	450	17(0.5)		3	4	3	3	Good	Stem diameter estimated. Largest stem diameter recorded. Occasional tree with upper crown dieback.		20+	B2	5.4	92
T50	Thuja plicata (Western Red Cedar)	EM	780	17(0.5)	4	4.5	4.5	4.5	5	Good			20+	B1	9.4	275
T51	Salix caprea (Goat Willow)	EM	512	8(0)		7	6.5	4	7	Good			20+	B1	6.1	118
T52	Betula pendula (Silver Birch)	EM	270	15(2)	3SW	3.5	3.5	1	4	Good	Historic crown lift.		20+	B2	3.2	33
T53	Betula pendula (Silver Birch)	EM	230	11(2)	3NW	3.5	2	2.5	3	Good	Unable to fully inspect - ivy.		20+	B2	2.8	24
T54	Betula pendula (Silver Birch)	EM	270	13(5)	5S	4	4.5	2	3.5	Good	Historic crown lift.		20+	B2	3.2	33
T55	Betula pendula (Silver Birch)	EM	310	15(10)	6W	3.5	3.5	2	3	Good	Historic crown lift.		20+	B2	3.7	43

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						N	E	S	W							
T56	Betula pendula (Silver Birch)	EM	320	15(8)	7SW	3	3.5	5	5	Good	Historic crown lift.		20+	B2	3.8	46
T57	Chamaecyparis lawsoniana (Lawson Cypress)	EM	1077	11(0)	0.5	6	4	1.5	4	Good	Branch tearout.		20+	B2	12.9	524
T58	Pinus sylvestris (Scots Pine)	M	800	19(4)	9W	3	6	6	8	Good	Unable to fully inspect - vegetation. Stem diameter estimated. Branch tearout.		20+	B1,B2	9.6	290
T59	Quercus robur (Common Oak)	V	1200	8(1)	3N	7	7.5	5.5	6	Good	Minor dead wood. Potential bat roost features. Pollard, lapsed management. Branch tearout. Branch socket cavities.		40+	A3	14.4	652
T60	Prunus avium (Wild Cherry)	SM	280	7(1)	3.5S	4.5	3.5	4.5	4.5	Good	Mower damage to surface roots.		10+	C1	3.4	35
T61	Catalpa bignonioides (Indian Bean Tree)	SM	350	8(1.5)	2	3	5.5	4.5	4	Fair	Minor dead wood. Stem pruning wounds. Historic crown lift.		10+	C1	4.2	55
T62	Liriodendron tulipifera (Tulip Tree)	SM	431	8(1)	2	5	5	5.5	5	Fair	Tight forks between stems. Codominant leaders.		10+	C1	5.2	84
T63	Davida involucrata (Dove Tree)	SM	198	6.5(1.5)	0.5	4.5	4	4	3	Fair	Minor dead wood. Stem pruning wounds. Historic crown lift.		10+	C1	2.4	18
T64	Quercus rubra (Red Oak)	EM	620	12(0.5)	3E	9	7	10.5	8	Good	Minor dead wood.		20+	B1	7.4	174

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						N	E	S	W							
T65	Chamaecyparis lawsoniana (Lawson Cypress)	M	920	20(0)	2W	0	1	6	5	Poor	Main leaders dead, all live growth from low layering branches.		<10	U	11.0	383
T66	Chamaecyparis lawsoniana (Lawson Cypress)	EM	640	22(1.5)	4N	4	4	5.5	2	Fair	Tag 082.		10+	C1	7.7	185
T67	Sequoiadendron giganteum (Giant Sequoia)	M	2100	30(0)	9	7.5	7.5	7.5	7.5	Good			40+	A1	15.0	707
T68	Cedrus deodora "Aurea" (Deodar)	EM	530	14(0.5)	1.5W	5.5	5.5	6.5	6	Fair	Minor dead wood.		10+	C1	6.4	127
T69	Fagus sylvatica f. purpurea (Copper Beech)	SM	220	8(0.5)	1	4.5	4.5	4.5	4.5	Good	Stem diameter estimated. Typical crown form with no major defects.		20+	B1	2.6	22
T70	Pyrus calleryana "Chanticleer" (Chanticleer Pear)	EM	340	10(1)	3.5SW	5	3	3	5	Fair			10+	C1	4.1	52
T71	Pyrus calleryana "Chanticleer" (Chanticleer Pear)	EM	310	9(1)	3E	3	3	3	4.5	Fair			10+	C1	3.7	43
T72	Pyrus calleryana "Chanticleer" (Chanticleer Pear)	EM	280	7(2)	3.5S	3	2.5	2.5	2.5	Fair	Historic upper stem fracture.		10+	C1	3.4	35
G73	Chamaecyparis lawsoniana (Lawson Cypress), Betula pendula (Silver Birch)	SM	170	7(0)		2.5	2.5	2.5	2.5	Good	Planted group of ornamental conifers with a birch in centre.		10+	C2	2.0	13

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						N	E	S	W							
T74	Cedrus deodara (Deodar)	M	1530	23(2.5)	4	11.5	10	12	11.5	Fair	Stem pruning wounds. Historic crown lift. Old fruiting bodies on ground. Phaeolus schweinitzii (Dyer's Mazegill).	Monitor; potential stem failure from fungus.	10+	C1	15.0	707
T75	Quercus robur (Common Oak)	SM	500	10(1)	2.5E	6	5	7.5	7	Good			20+	B1	6.0	113
T76	Quercus robur (Common Oak)	EM	360	10(1)	2.5E	6.5	6.5	6.5	4	Fair	Large stem wound from limb tearout.		10+	C1	4.3	59
T77	Fagus sylvatica (Common Beech)	EM	690	11(0.5)	2NE	8	8	10	6.5	Good			20+	B1	8.3	215
T78	Larix decidua (European Larch)	SM	290	12(0.5)	2	4	5	4	4.5	Good	Typical crown form with no major defects.		20+	B1	3.5	38
T79	Fagus sylvatica (Common Beech)	SM	290	8(2)	1.5W	4.5	4.5	5	4.5	Good	Stem pruning wounds. Historic crown lift.		20+	B2	3.5	38
T80	Acer platanoides (Norway Maple)	EM	340	7(1)	2.5SE	6.5	6.5	6	6	Fair	Stem pruning wounds. Stem wounds. Historic crown lift. Historic loss of leader at 5m.		10+	C1	4.1	52
T81	Sorbus aucuparia (Rowan)	SM	130	5(2)	2	3	3	3.5	2	Good			10+	C1	1.6	8
T82	Tilia x europaea (Common Lime)	EM	707	17(0)	5	6	6	6	6	Good	Unable to fully inspect - vegetation. Stem diameter estimated. Minor dead wood. Codominant leaders.		20+	B1,B2	8.5	226

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						N	E	S	W							
T83	Corylus avellana "Contorta" (Corkscrew Hazel)	SM	173	6(0.5)		3.5	3	3.5	3	Good			10+	C1	2.1	14
T84	Tilia x europaea (Common Lime)	EM	487	13(0)		4.5	5.5	5	6	Fair	Unable to fully inspect - vegetation. Stem diameter estimated. Multi-stemmed from base. Regrowth around remnant of parent stem.		10+	C1	5.8	107
T85	Tilia x europaea (Common Lime)	EM	700	17(0)	6SW	5	5	4	5	Good	Unable to fully inspect - vegetation. Stem diameter estimated. Typical crown form with no major defects.		20+	B2	8.4	222
T86	Tilia x europaea (Common Lime)	EM	650	13(0)	5N	4	4.5	3	4	Good	Unable to fully inspect - vegetation. Stem diameter estimated.		20+	B2	7.8	191
T87	Alnus cordata (Italian Alder)	SM	380	14(1)	2	4.5	4	3.5	5	Good	Stem pruning wounds. Historic crown lift.		20+	B1	4.6	65
T88	Aesculus hippocastanum (Horse Chestnut)	SM	280	8(1)	2	6	5	5	5.5	Fair	Basal wounds. Stem pruning wounds. Horse Chestnut Leaf Miner.		10+	C1	3.4	35
T89	Tilia x europaea (Common Lime)	EM	700	24(0.5)	4SW	5.5	6	5	5	Good	Branch pruning wounds. Bird box on stem.		20+	B1,B2	8.4	222
T90	Quercus robur (Common Oak)	M	950	25(3)	7N	4	5.5	11.5	7	Fair	Basal wounds. Stem pruning wounds. Historic crown lift.		20+	B2	11.4	408
T91	Ilex aquifolium (Common Holly)	EM	350	15(0.5)	3	4	4	5	3	Good	Stem pruning wounds. Historic crown lift.		20+	B2	4.2	55

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						N	E	S	W							
T92	Quercus robur (Common Oak)	M	1090	20(1.5)	5	6	4.5	9	9	Fair	Basal wounds. Stem pruning wounds. Stem cavity. Burring around base and on stem. Historic removal of large laterals at 5m.		20+	B2	13.1	538
T93	Quercus robur (Common Oak)	M	880	22(4)	4	6	5	14	4.5	Fair	Basal wounds. Stem pruning wounds. Branch pruning wounds. Historic crown lift. Sparse crown. Fruiting bodies on stem. Inonotus dryadeus (Eiffel Tower Bracket).		10+	C1	10.6	350
T94	Tilia x europaea (Common Lime)	M	850	23(1)	5SW	6	3	5	6	Good	Stem pruning wounds. Branch pruning wounds.		20+	B2	10.2	327
T95	Acer platanoides (Norway Maple)	EM	440	12(1.5)	3NW	8	9	5	8	Fair	Minor dead wood. Root girdling. Stem pruning wounds. Branch stubs.		10+	C1	5.3	88
G96	Acer pseudoplatanus (Sycamore)	SM	439	13(2)	7E	5	5	5	6	Fair	Largest stem diameter recorded. Self-set. Three trees close together.		10+	C1	5.3	87
G97	x Cupressocyparis leylandii (Leyland Cypress)	SM	300	13(2.5)		3	3	4	3	Good	Stem diameter estimated. Largest stem diameter recorded. Planted as screen. Historic pruning of lower canopy.		10+	C2	3.6	41
T98	Betula pendula (Silver Birch)	EM	410	17(1)	4SW	5	6	4	8	Good	Unable to fully inspect - ivy and vegetation.		20+	B2	4.9	76
T99	Betula pendula (Silver Birch)	EM	510	17(2)	4	7	5	4	6	Good	Unable to fully inspect - ivy.		20+	B2	6.1	118
G100	Taxus baccata (Common Yew)	EM	415	8(1)		6.5	3	6.5	2	Good	Stem diameter estimated. Largest stem diameter recorded. Historic crown lift.		20+	B2	5.0	78

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						N	E	S	W							
T101	Acer pseudoplatanus (Sycamore)	EM	771	15(4)	5	6.5	5	7	8	Good	Stem diameter estimated. Multi-stemmed from base.		20+	B1	9.3	269
G102	Taxus baccata (Common Yew)	SM	200	6(1)		5	2	3	2	Good			10+	C2	2.4	18
T103	Acer pseudoplatanus (Sycamore)	SM	335	8(3)	0.5W	5.5	6	3	4	Fair	Self-set.		10+	C1	4.0	51
T104	Acer pseudoplatanus (Sycamore)	EM	520	12(1.5)	4S	0	3	12.5	8.5	Fair	Poor shape & form. Stem leans to south-west.		10+	C1	6.2	122
T105	Acer pseudoplatanus (Sycamore)	SM	300	10(1)	5S	3	4	7	4	Good	Unable to fully inspect - ivy. Stem diameter estimated. Self-set.		10+	C1	3.6	41
G106	Taxus baccata (Common Yew)	SM	200	5(1)		4	2	4	2	Good	Stem diameter estimated.		10+	C2	2.4	18
G107	Taxus baccata (Common Yew)	SM	173	5(1)		3	1.5	2	2	Good			10+	C2	2.1	14
T108	Fraxinus excelsior (Common Ash)	Y	100	7(3.5)	5	1.5	1.5	1.5	1.5	Good			10+	C1	1.2	4
G109	Prunus laurocerasus (Cherry Laurel)	SM	200	4.5(0)		2	2	2	2	Good	Stem diameter estimated.		10+	C2	2.4	5

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Registration no. 08169866 VAT no. 512 4127 91

Tree No.	Tree Species	Life Stage	Stem Ø (mm) at 1.5m	Height (crown height) (m)	Height of (FSB)	Crown Spread				Condition	Comments	Tree Management Recommendations	Est Remaining Contribution (Years)	BS Cat	RPA Radius (m)	RPA area (m2)
						N	E	S	W							
G110	Prunus laurocerasus (Cherry Laurel)	SM	200	6(0)		2	2	2	2	Good	Stem diameter estimated.		10+	C2	2.4	18
T111	Chamaecyparis lawsoniana (Lawson Cypress)	SM	302	10(0)	0.5	3	3.5	3.5	2	Good	Stem diameter estimated. Suppressed form.		10+	C1	3.6	41
T112	Chamaecyparis lawsoniana (Lawson Cypress)	SM	230	8(2)	1.5N	3	2	1	2.5	Good			10+	C1	2.8	24
T113	Tilia x europaea (Common Lime)	EM	700	12(1.5)	3	5	6	6	6	Good	Unable to fully inspect - vegetation. Stem diameter estimated. Multi-stemmed from base.		20+	B1	8.4	222
T114	Malus domestica (Orchard Apple)	M	552	8.5(2)	2	4	6	5	4	Good	Stem wounds. Historic crown lift. Branch stubs.		10+	C3	6.6	138
T115	Pyrus communis (Common Pear)	SM	250	7(1.5)	1NW	2.5	2.5	4	2.5	Fair			10+	C1	3.0	28
T116	Malus domestica (Orchard Apple)	SM	230	5(0.5)	3	2.5	3.5	5	1	Fair	Basal wound and cavity. Stem leans to south. Branch pruning wounds. Branch stubs.		10+	C1	2.8	24
T117	Malus domestica (Orchard Apple)	SM	178	4(1.5)	1.5	3	3	1	1.5	Poor	Stem leans to west. Scattered dieback in crown.		10+	C1	2.1	14
T118	Pyrus communis (Common Pear)	EM	210	8(4.5)	2	3	2	2.5	1	Fair			10+	C1	2.5	20

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						N	E	S	W							
T119	Malus domestica (Orchard Apple)	M	524	9(0.5)	0.5W	6	5	4	5.5	Fair	Stem pruning wounds. Stem cavity. Branch pruning wounds. Branch stubs.		10+	C3	6.3	124
T120	Pyrus communis (Common Pear)	EM	240	10(1.5)	3E	1.5	3	3	1	Good	Stem pruning wounds.		10+	C1	2.9	26
T121	Malus domestica (Orchard Apple)	EM	226	7(1)	1.5N	0.5	3	5	2	Poor	Tight forks between stems. Stem cavity.		10+	C1	2.7	23
G122	Quercus robur (Common Oak), Fraxinus excelsior (Common Ash)	EM	650	15(1.5)		3	6	6	4	Good	Unable to fully inspect - ivy and vegetation. Stem diameter estimated. Largest stem diameter recorded.		20+	B2	7.8	191
T123	Acer pseudoplatanus (Sycamore)	SM	350	10(2)	3.5N	7	5	3	4	Good	Unable to fully inspect - vegetation. Stem diameter estimated. Self-set.		10+	C1	4.2	55
T124	Quercus robur (Common Oak)	SM	320	8(2)	1.5SW	3	5	6	7	Fair	Poor shape & form.		10+	C1	3.8	46
T125	Malus domestica (Orchard Apple)	SM	308	6(1.5)	0.5	6	4	0	3	Poor	In terminal decline. Scattered dieback in crown.		<10	U	3.7	43
T126	Populus nigra 'Italica' (Lombardy Poplar)	M	1320	20(7)	6	2.5	4	5	4	Fair	Stem wounds. Possible vertical internal crack east.		10+	C1	15.0	707
T127	Taxus baccata (Common Yew)	EM	480	13(2)	0.5E	5	6.5	2	5	Fair	Minor dead wood. Sparse crown.		10+	C1	5.8	104

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						N	E	S	W							
T128	Taxus baccata (Common Yew)	EM	573	13(2)	2.5E	4	5	3	6	Fair	Minor dead wood. Scattered browning foliage.		10+	C1	6.9	149
T129	Pinus sylvestris (Scots Pine)	EM	400	14(7)	7	3	2	3	4	Good			20+	B2	4.8	72
G130	Quercus robur (Common Oak), Tilia x euchlora (Crimean Lime), Fagus sylvatica (Common Beech), Ilex aquifolium (Common Holly), Prunus laurocerasus (Cherry Laurel), Chamaecyparis lawsoniana (Lawson Cypress), Quercus rubra (Red Oak), Pinus sylvestris (Scots Pine)	EM	400	15(1)		4	4	6	8	Good	Stem diameter estimated.		20+	B2	4.8	72
G131	Taxus baccata (Common Yew), Ilex aquifolium (Common Holly), Pinus sylvestris (Scots Pine), Robinia pseudoacacia (False Acacia), Prunus laurocerasus (Cherry Laurel), Fagus sylvatica f. purpurea (Copper Beech), Acer negundo (Ash-leaved Maple), Acer palmatum (Japanese Maple), Acer cappadocicum (Cappadocian Maple), Ginkgo biloba (Maidenhair Tree)	M	750	18(0.5)		4	4	5	5	Good			20+	B2	9.0	255

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						N	E	S	W							
T132	Taxus baccata (Common Yew)	SM	283	6(0.5)	0.5	4	4.5	4	5	Good	Stem diameter estimated. Multi-stemmed from base.		10+	C1	3.4	36
T133	Castanea sativa (Sweet Chestnut)	M	930	13(6)	3	4.5	3.5	8	2	Fair	Potential bat roost features. Stem wounds. Branch tearout. Woodpecker hole. Historic failure of large lateral.		20+	B3	11.2	391
T134	Pinus strobus (Weymouth Pine)	M	800	25(3)	6NE	6	6	6	6	Poor	In terminal decline. Sparse crown.		<10	U	9.6	290
T135	Castanea sativa (Sweet Chestnut)	M	640	8(3)	2.5N	4	3	3.5	3.5	Fair	Potential bat roost features. Historic stem fracture, exposed dead heartwood down to 2.5m. Loose bark.		10+	C3	7.7	185
T136	Quercus robur (Common Oak)	SM	230	14(5)	4E	4	6	4	2	Good	Minor dead wood.		10+	C1	2.8	24
T137	Aesculus hippocastanum (Horse Chestnut)	EM	570	15(7)	7NE	5	3	6	6	Fair	Stem pruning wounds. Historic crown lift. Horse Chestnut Leaf Miner.		10+	C1	6.8	147
T138	Tilia x europaea (Common Lime)	EM	630	20(4)	5N	8	6	5	5	Good	Stem pruning wounds. Historic crown lift.		20+	B2	7.6	180
T139	Tilia x europaea (Common Lime)	M	800	20(4)	5S	7	4	5	6	Good	Stem pruning wounds. Historic crown lift.		20+	B2	9.6	290
T140	Acer pseudoplatanus (Sycamore)	SM	270	9(4)	3.5	5	5.5	4	4	Good	Self-set.		10+	C1	3.2	33

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						N	E	S	W							
T141	Ilex aquifolium (Common Holly)	EM	549	7(3.5)	3SW	5	4.5	6.5	5	Fair	Poor pruning wounds. Multi-stemmed from base. Historic crown lift.		10+	C1	6.6	136
T142	Quercus robur (Common Oak)	SM	510	14(7)	4SW	7	6.5	6.5	9	Fair	Poor pruning wounds. Minor dead wood. Branch stubs. Adventitious growth on branches.		10+	C1	6.1	118
T143	Quercus robur (Common Oak)	SM	440	14(6)	6SW	5	6.5	5.5	5	Good			20+	B2	5.3	88
T144	Tilia x euchlora (Crimean Lime)	SM	260	13(3.5)	3.5	4	4	4	4	Good			20+	B2	3.1	31
G145	Aesculus hippocastanum (Horse Chestnut), Chamaecyparis lawsoniana (Lawson Cypress), Tilia x europaea (Common Lime), Rhododendron ponticum (Rhododendron)	SM	210	10(3)		3	3	3.5	3	Good			20+	C2	2.5	20
T146	Tilia x europaea (Common Lime)	EM	650	16(4.5)	4SE	5	5	6.5	5	Good	Unable to fully inspect - vegetation. Stem diameter estimated.		20+	B2	7.8	191
T147	Aesculus hippocastanum (Horse Chestnut)	M	550	15(4)	7NE	5	7	4	3	Poor	Unable to fully inspect - vegetation. Stem diameter estimated. In terminal decline. Historic crown reduction. Sparse crown. Horse Chestnut Leaf Miner.		<10	U	6.6	137

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						N	E	S	W							
T148	Tilia x europaea (Common Lime)	EM	600	17(7)	9	5	5	5	5	Good	Unable to fully inspect - vegetation. Stem diameter estimated.		20+	B2	7.2	163
T149	Quercus robur (Common Oak)	EM	640	16(4)	5S	5.5	8	8.5	8	Good	Minor dead wood.		20+	B2	7.7	185
T150	Tilia x euchlora (Crimean Lime)	SM	300	11(3)	3NE	5	5	5	5	Good			20+	B2	3.6	41
T151	Quercus robur (Common Oak)	EM	590	22(8)	6SW	5	9	11	6	Fair	Minor dead wood. Adventitious growth on branches.		10+	C1	7.1	158
T152	Sequoiadendron giganteum (Giant Sequoia)	M	1530	30(4)	8SW	5	5.5	7	7	Fair	Sparse crown.		20+	B1,B2	15.0	707
T153	Sequoiadendron giganteum (Giant Sequoia)	M	1700	30(2)	7	5.5	5.5	7	5.5	Good	Stem diameter estimated.		40+	A1,A2	15.0	707
T154	Fagus sylvatica (Common Beech)	EM	550	13(2)	2SW	5	6	6	8	Good	Stem pruning wounds. Branch pruning wounds. Branch stubs.		20+	B2	6.6	137
T155	Quercus robur (Common Oak)	EM	640	17(1)	5SE	5	8	8	7	Good	Historic crown lift.		20+	B2	7.7	185
T156	Tilia x euchlora (Crimean Lime)	SM	330	9(2)	2SW	5	5.5	5.5	5.5	Good	Poor pruning wounds. Historic crown lift.		20+	B2	4.0	49

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						N	E	S	W							
T157	Tilia x euchlora (Crimean Lime)	SM	340	10(2.5)	2SE	5	6	6	7	Good	Poor pruning wounds. Historic crown lift.		20+	B2	4.1	52
T158	Tilia x europaea (Common Lime)	M	760	20(4)	5	5	3.5	5	5	Good	Historic crown lift.		20+	B2	9.1	261
T159	Aesculus hippocastanum (Horse Chestnut)	M	770	20(3)	2.5	7	7.5	8	5	Good	Stem pruning wounds. Horse Chestnut Leaf Miner.		10+	C1	9.2	268
T160	Fagus sylvatica f. purpurea (Copper Beech)	SM	250	13(2.5)	2S	5	5	5	5	Good			20+	B2	3.0	28
T161	Tilia x europaea (Common Lime)	EM	420	15(2.5)	2S	5	5	6	6	Good			20+	B2	5.0	80
T162	Tilia x europaea (Common Lime)	SM	280	12(2.5)	3.5SW	3	5	5	3	Fair	Suppressed form.		10+	C1	3.4	35
T163	Tilia x europaea (Common Lime)	M	660	17(4)	4SW	5	5.5	6	5	Good	Minor dead wood.		20+	B2	7.9	197
T164	Betula pendula (Silver Birch)	SM	262	10(5)	5	4	5	3	4.5	Good	Unable to fully inspect - vegetation. Stem diameter estimated. Multi-stemmed from base.		20+	B2	3.1	31
T165	Fagus sylvatica (Common Beech)	EM	410	14(3)	4SW	3.5	3.5	5	5.5	Good			20+	B2	4.9	76

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						N	E	S	W							
T166	Fagus sylvatica (Common Beech)	EM	360	16(5)	4.5S	4.5	5	5	5	Good			20+	B2	4.3	59
T167	Fagus sylvatica (Common Beech)	SM	300	16(5)	6NE	5.5	5	5	4	Good			20+	B2	3.6	41
G168	Tilia x europaea (Common Lime), Chamaecyparis lawsoniana (Lawson Cypress), Taxus baccata (Common Yew), Betula pendula (Silver Birch), Castanea sativa (Sweet Chestnut), Prunus laurocerasus (Cherry Laurel)	M	400	18(1)		3	3	3	3	Good			20+	B2	4.8	72
G169	Acer pseudoplatanus (Sycamore), Platanus x hispanica (London Plane), Fagus sylvatica (Common Beech), Pinus sylvestris (Scots Pine)	EM	300	15(1)	1	3	2	3	3	Good			20+	B2	3.6	41
T170	Salix x sepulcralis "Chrysocoma" (Weeping Willow)	M	770	6(0)	3	5	7	4	4	Poor	Stem leans to north-east. Historic branch fracture, large stem wounds. Tag 0625.		10+	C1	9.2	268
T171	Fraxinus excelsior (Common Ash)	EM	566	18(1)	6SW	6	7	8	6	Fair	Stem diameter estimated. Minor dead wood. Situated on edge of pond.		10+	C1	6.8	145
T172	Catalpa bignonioides (Indian Bean Tree)	EM	570	10(0)	1.5E	8	7.5	10	6.5	Good	Minor dead wood.		20+	B1	6.8	147

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						N	E	S	W							
G173	Picea abies (Norway Spruce)	SM	280	15(1)		4	4	4	4	Good	Stem diameter estimated. Trees situated west of watercourse.		20+	B2	3.4	35
T174	Quercus robur (Common Oak)	EM	780	14(0.5)	5SE	6	7	9	8	Good			20+	B2	9.4	275
T175	Fagus sylvatica (Common Beech)	EM	710	17(2)	7	6	7	10	7	Good			20+	B2	8.5	228
T176	Acer platanoides (Norway Maple)	SM	280	7(1)	1N	3	6	7	5	Fair	Squirrel damage in crown. Suppressed form.		10+	C1	3.4	35
T177	Prunus sp. (Japanese Cherry)	M	520	6(1)	1.5	5.5	6	6	6	Fair	Root girdling. Mower damage to surface roots. Fruiting bodies on stem. Ganoderma australe (Southern Bracket).		<10	U	6.2	122
T178	Laburnum anagyroides (Common Laburnum)	EM	348	7.5(1)	1.5	4	6.5	5	6.5	Fair	Multi-stemmed from base. Stem wounds. Stem cavity.		10+	C1	4.2	55
T179	Malus sp. (Apple)	EM	210	2.5(0.5)	1.5	2	3.5	3	1.5	Fair	Minor dead wood. Stem wounds. Suppressed. Weeping form.		10+	C1	2.5	20
T180	Laburnum anagyroides (Common Laburnum)	EM	293	5(1)	0.5	3	5	3	1	Fair	Stem diameter estimated. Suppressed form. Historic uprooting, vertical stem to east.		10+	C1	3.5	39
G181	Fagus sylvatica (Common Beech), Taxus baccata (Common Yew), Chamaecyparis lawsoniana (Lawson Cypress)	EM	600	15(1)		5	5	5	5	Good	Unable to fully inspect - vegetation. Stem diameter estimated. Largest stem diameter recorded.		20+	B2	7.2	163

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						N	E	S	W							
T182	Acer platanoides (Norway Maple)	SM	220	6(1.5)	2NW	4	5.5	6.5	5.5	Fair	Branch tearout. Broken branches in crown. Squirrel damage in crown.		10+	C1	2.6	22
T183	Tilia x europaea (Common Lime)	SM	260	8(1)	3	4.5	4.5	4.5	4.5	Good			20+	B1	3.1	31
T184	Acer pseudoplatanus (Sycamore)	SM	377	8(1)	3	3	4	4	4	Good	Stem diameter estimated. Self-set. Multi-stemmed from base.		10+	C1	4.5	64
T185	Alnus glutinosa (Common Alder)	SM	300	10(2)	2.5	4	4	4	5	Good	Unable to fully inspect - vegetation. Stem diameter estimated.		20+	B1	3.6	41
T186	Acer negundo (Ash-leaved Maple)	SM	320	10(2)	2W	5	2	4	7.5	Fair			10+	C1	3.8	46
T187	Acer negundo (Ash-leaved Maple)	SM	292	8(1)	2	7	5	3	8	Fair	Multi-stemmed from base. Historic crown lift.		10+	C1	3.5	38
T188	Abies nordmanniana (Caucasian Fir)	EM	550	19(11)	12	3.5	4	3.5	3.5	Good	Historic crown lift.		20+	B2	6.6	137
T189	Ilex aquifolium (Common Holly)	SM	406	10(2)	2.5	3.5	4.5	4	4.5	Good	Recent crown lift.		20+	B2	4.9	75
T190	Fagus sylvatica f. purpurea (Copper Beech)	SM	230	11(2.5)	3	3	4	3	3	Good	Recent crown lift.		20+	B2	2.8	24

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Company Secretary: Louise Blake BSc PGCE

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Tree No.	Tree Species	Life Stage	Stem Ø (mm) at 1.5m	Height (crown height) (m)	Height of (FSB)	Crown Spread				Condition	Comments	Tree Management Recommendations	Est Remaining Contribution (Years)	BS Cat	RPA Radius (m)	RPA area (m2)
						N	E	S	W							
T191	Fraxinus excelsior (Common Ash)	EM	380	15(5)		6	6	6	6	Good	Minor dead wood.		20+	B2	4.6	65
T192	Taxus baccata (Common Yew)	EM	370	7(2)	2	4	7	5.5	7	Good	Historic crown lift.		10+	C1	4.4	62
T193	Betula pendula (Silver Birch)	EM	376	8(3.5)	2.5W	4	3	4	5	Good			20+	B2	4.5	64
T194	Betula pendula (Silver Birch)	EM	410	9(2.5)	3	4	4	3	3	Poor	Sparse upper crown, chlorotic foliage.		10+	C1	4.9	76
T195	Betula pendula (Silver Birch)	EM	290	8(1.5)	2W	3	4	2	0	Fair	Poor shape & form.		10+	C1	3.5	38
T196	Aesculus hippocastanum (Horse Chestnut)	M	1110	15(2.5)	3SW	6	6	8	6	Good	Branch pruning wounds. Horse Chestnut Leaf Miner. Recent crown lift.		20+	B1	13.3	557
T197	Quercus robur (Common Oak)	EM	650	13(5)	6	4	4	5	6	Good	Historic crown lift.		20+	B2	7.8	191
T198	Fraxinus excelsior (Common Ash)	EM	438	15(2.5)	2.5E	5	5	5	4	Good	Multi-stemmed from base.		20+	B2	5.3	87
T199	Aesculus hippocastanum (Horse Chestnut)	M	830	13(1)	4E	7.5	8	6	6	Good	Horse Chestnut Leaf Miner.		20+	B2	10.0	312
T200	Quercus robur (Common Oak)	EM	640	12(4)	4	6	3	4	5	Fair	Potential bat roost features. Stem wounds. Stem cavity. Historic crown reduction. Sparse crown.		10+	C3	7.7	185

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APPENDIX 2: JBA DRAWINGS