ARBTECH

BS5837:2012
Trees in relation to design, demolition and construction – Recommendations

Tree Survey

Park Hood UK

De Montfort Way
Coventry
West Midlands

25 July 2018

Author: David Garrick FdSc TechArborA

ARBTECH

David Watkiss
Park Hood UK
Hawarden House,
163 Upper Newtonwards Road
Belfast
BT4 3HZ

25/07/18

Tree Survey Report
De Montfort Way, Coventry, West Midlands

Arbtech Consulting Limited (Arbtech) received written instruction on 11th May 2018 from Park Hood UK to attend De Montfort Way, Coventry, West Midlands (Site) to undertake an arboricultural survey to BS5837:2012 guidance to assess trees, hedges and major shrub groups growing on and within influencing distance of the site and to produce a schedule of trees, tree constraints plan, arboricultural impact assessment, arboricultural method statement and tree protection plan.

I am David Garrick, an arboricultural surveyor at Arbtech Consulting Ltd. I undertook the tree survey on 23rd - 24th July 2018 and subsequently have produced this summary of my findings.

I passed the FDSc in Forestry in 2007. I also hold the LANTRA Professional Tree Inspector certification. I benefit from professional industry experience spanning eight years. I also have technical membership with the Arboricultural Association.

Tree Survey Executive Summary

A total of 191 individual trees, 11 groups of trees, one woodland and one hedgerow were surveyed.

During the survey I categorised the trees using “Table 1 – Cascade chart for tree quality assessment” of the BS5837:2012.

Figure 1: Site Location (Bing Maps)

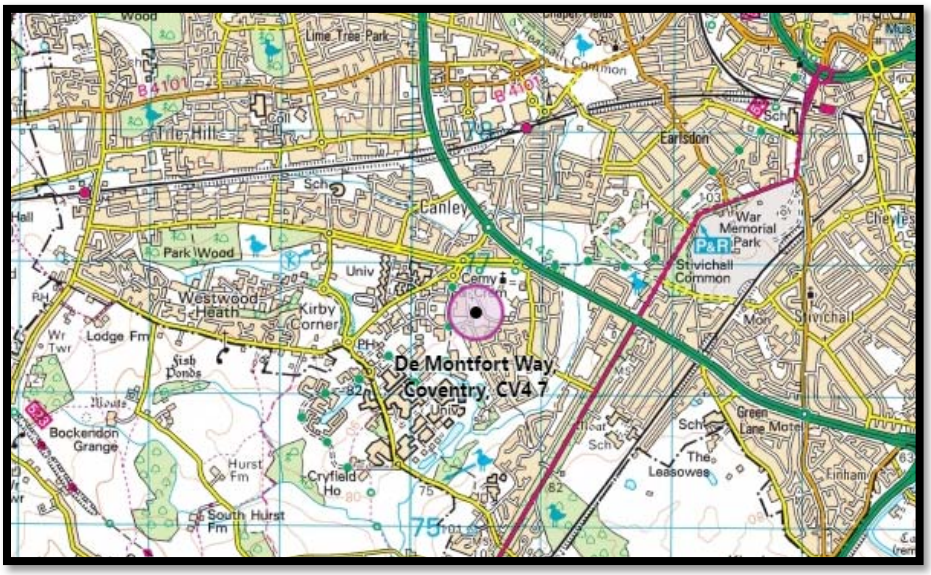


Figure 2: Aerial Image (Bing Maps)

It is likely that arboricultural impacts can be addressed with arboricultural methodology or minor amendments to the proposal.

Individual notes on each tree's structural and physiological condition are found in the Notes section of the survey schedule.

BS5837:2012 Scope

This standard recognises that there can be problems for development close to existing trees which are to be retained, and of planting trees close to existing structures. This standard sets out to assist those concerned with trees in relation to construction to form balanced judgements. It does not set out to put arguments for or against development, or for the removal or retention of trees. Where development, including demolition, is to occur, the standard provides guidance on how to decide which trees are appropriate for retention, on the means of protecting these trees during development, including demolition and construction work, and on the means of incorporating trees into the developed landscape.

Definitions

Arboriculturalist

An arboriculturalist (or arboricultural consultant) is a person who has, through relevant education, training and experience, gained recognized qualifications and expertise in the field of trees in relation to construction.

Tree Survey

A tree survey should be undertaken by an arboriculturalist and should record information about the trees on a site independently of and prior to any specific design for development. As a subsequent task, and with reference to a design or potential design, the results of the survey should be included in the preparation of a tree constraints plan, which should be used to assist with site layout design.

Tree Constraints Plan

A TCP is plan, typically delivered as an AutoCAD drawing (.dxf file format), prepared by an arboriculturalist for the purposes of layout design showing the root protection area and representing the effect that the mature height and spread of retained trees will have on layouts through shade, dominance, etc.

Root Protection Area

An RPA is a layout design tool indicating the area surrounding a tree that contains sufficient rooting volume to ensure the survival of the tree, shown in plan form in m^2.

Construction Exclusion Zone (also termed Tree Protection Zone)

A construction exclusion or tree protection zone is an area based on the RPA (in m^2), identified by an arboriculturalist, to be protected during development, including demolition and construction work, by the use of barriers and/or ground protection fit for purpose to ensure the successful long-term retention of a tree.

Arboricultural Impact Assessment

This is a study, undertaken by an arboriculturalist, to identify, evaluate and possibly mitigate the extent of direct and indirect impacts on existing trees that may arise as a result of the implementation of any site layout proposal.

Tree Protection Plan

A TPP is plan, typically delivered as an AutoCAD drawing (.dwg file format), prepared by an arboriculturalist showing the finalized layout proposals, tree retention and tree and landscape protection measures detailed within the arboricultural method statement, which can be shown graphically.

Arboricultural Method Statement

This is a methodology for the implementation of any aspect of development that has the potential to result in loss of or damage to a tree. The AMS is likely to include details of an on-site tree protection monitoring regime.

Methodology

The methodology used to assess the trees was the British Standard 5837:2012 'Trees in Relation to Design, Demolition and Construction - Recommendations' tree survey method. The aim of the survey is to establish which trees are moderate and good quality; suitable for retention and justifying protection. And, which trees are low or poor quality; either undesirable or unsuitable to retain and protect.

The tree survey includes all trees included in the land survey red line boundary plan, as well as any that may have been missed, and it should categorize trees or groups of trees, including woodlands for their quality and value within the existing context, in a transparent, understandable and systematic way. Where the arboriculturalist has deemed it appropriate, the trees have been tagged with small metal or plastic tags, placed as high as is convenient on the stem of each tree.

Whilst master plan proposals for the development of the site might be available, the trees have been surveyed without taking these into consideration. All detailed design work on site layout should take into consideration the results of the tree survey (and the TCP).

Trees forming groups and areas of woodland (including orchards, wood pasture and historic parkland) are identified and considered as groups where the arboriculturalist has determined that this is appropriate, particularly where they contain a variety of species and age classes that could aid long-term management. It is often expedient to assess the quality and value of such groups of trees as a whole, rather than as individuals. However, an assessment of individuals within any group has been undertaken if they are open-grown or if there is a need to differentiate between them.

The quality and value of each tree or group of trees has been recorded by allocating it to one of the four categories; A, B, C, or U (highest to lowest quality respectively). The categories are differentiated on the tree survey plan by colour, or by suffixing the category adjacent to the tree identification number on the TCP.

The survey schedule lists all the trees or groups of trees. The following information is also provided:

I. reference number (to be recorded on the tree survey plan);
II. species (common or scientific names);
III. height in metres (m);
IV. stem diameter in millimetres (mm) at 1.5 m above adjacent ground level or immediately above the root flare for multi-stemmed trees;
V. branch spread in metres taken at the four cardinal compass points;
VI. height of crown clearance above adjacent ground level in metres (m);
VII. age class (Newly planted, Young, Semi-mature, Early mature, Mature, Over mature);
VIII. physiological condition (e.g. good, fair, poor, decline and dead);
IX. structural condition (e.g. good, fair, poor and ivy);
X. preliminary management recommendations, including further investigation of suspected defects that require more detailed assessment and potential for wildlife habitat; and
XI. The retention category referring to the quality and useful contribution in years; U = <10yrs; A = >40yrs; B = >20yrs; C = >10yrs. The retention sub category referring to the type of amenity; 1 = Arboricultural; 2 = Landscape; 3 = Cultural including conservation (see Table 1 Cascade chart for tree quality assessment).

ARBTECH

BS5837:2012 Trees in relation to design, demolition and construction – Recommendations

Table 1 Cascade chart for tree quality assessment

Category and definition	Criteria (including subcategories when appropriate			Identification on plan
Trees unsuitable for retention (see Note)				
Category U Those in such a condition that they cannot realistically be retained as living trees in the context of the current land use for longer than 10 years	• Trees that have serious, irremediable, structural defect, such that their early loss is expected due to collapse, including those that will become unviable after removal of other category U trees (e.g. where, for whatever reason, the loss of companion shelter cannot be mitigated by pruning) • Trees that are dead or are showing signs of significant, immediate, and irreversible overall decline • Trees infected with pathogens of significance to the health and/or safety of other trees nearby, or very low quality trees suppressing adjacent trees of better quality *NOTE Category U trees can have existing or potential conservation value which might be desirable to preserve; see 4.5.7.*			Dark red
	1 Mainly arboricultural qualities	**2 Mainly landscape qualities**	**3 Mainly cultural values, including conservation**	
Trees to be considered for retention				
Category A **Trees of high quality** with an estimated remaining life expectancy of at least 40 years	Trees that are particularly good examples of their species, especially if rare or unusual; or those that are essential components of groups or formal or semi-formal arboricultural features (e.g. the dominate and/or principal trees within an avenue)	Trees, groups or woodlands of particular visual importance as arboricultural and/or landscape features	Trees, groups or woodlands of significant conservation, historical, commemorative or other value (e.g. veteran trees or wood-pasture)	Light green
Category B **Trees of moderate quality** with an estimated remaining life expectancy of at least 20 years	Trees that might be included in category A, but are downgraded because of impaired condition (e.g. presence of significant though remedial defects, including unsympathetic management and storm damage), such that they are unlikely to be suitable for retention of beyond 40 years; or trees lacking the special quality necessary to merit the category A designation	Trees present in numbers, usually growing as groups or woodlands, such that they attract a higher collective rating than they might as individuals; or trees occurring as collectives but situated so as to make little visual contribution to the wider locality	Trees with material conservation or other cultural value	Mid blue
Category C **Trees of low quality** with an estimated remaining expectancy of at least 10 years, or young trees with a stem diameter below 150mm	Unremarkable trees of very limited merit or such impaired condition that they do not qualify in higher categories	Trees present in groups or woodlands, but without this conferring on them significantly greater collective landscape value; and/or trees offering low or only temporary/transient landscape value	Trees with no material conservation or other cultural value	Grey

Arbtech Consulting Ltd 5678552 GB903660148 Directors: R. M. Oates
Unit 3 Well House Barn, Chester Road, Chester, CH4 0DH
Tel. 01244 661170 Web. https://arbtech.co.uk

Recommendations

With the benefit of making an assessment of your planning proposals, we make the following recommendation to ensure that no conditions relating to arboriculture are attached to any planning consent secured; obtain an arboricultural report to include:

a) An arboricultural impact assessment (AIA);

b) An arboricultural method statement (AMS); and

c) A tree protection plan drawing (TPP).

Limitations

Trees were inspected from using visual observation from ground level only. Trees were not climbed or inspected below ground level. Inaccessible trees will have best estimates made about the location, physical dimensions and characteristics. Trees have been grouped where BS5837 guides us that it is expedient to do so. Trees have been excluded from the survey if they are found by us to be sufficiently far away from the proposed developable area or if they are outside of the red line boundary plan showing the expectations of our Client for the extent of the survey. BS5837 does not draw any distinction between trees subject to statutory protection, such as a Tree Preservation Order ("TPO"), and those trees without. This is principally because a detailed planning consent overrides any TPO protection. Consequently, we do not seek to offer any comparison between or infer any difference in the quality or importance of TPO trees and other trees.

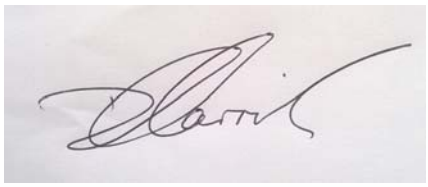
Appendices

The following documents were released to the Client as appendices to this report:

- Survey Schedule (PDF)
- Tree Constraints Plan drawing (DXF & PDF)

If you require clarification of information contained herein, please do not hesitate to contact us via 01244 661170.

Yours Sincerely,



David Garrick

Arboricultural Consultant

dg@arbtech.co.uk

07712 323699

Appendix 1: Schedule of Trees

BS5837:2012 Tree Survey

Arbtech Consulting Ltd
Unit 3 Well House Barns
Chester Road
Chester
CH4 0DH
Phone: 01244 661170
https://arbtech.co.uk

Client: Park Hood UK
Project: De Montfort Way, Coventry, West Midlands, CV4
Survey Date: 23/07/2018 - 24/07/2018
Surveyor: David Garrick

Tree and Tag No / Species	Hght (m)	Stems No	Stems Ø (mm)	Crown Spread (m)	Crown Clear (m)	Age	RP A (m²) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations / Survey Comment	Cat ERC
G1										Estimated Measurements	
Copper Beech *Fagus sylvatica 'Purpurea'*	13	1	300	N 4 E 4 S 4 W 4	2 2 2 2	M	A: 40.7 R: 3.59	Good	C: Fair S: Good B: Good	2 trees on neighbouring property.	B.1.2 20 to 40 yrs
G2											
White Poplar *Populus alba*	17	1	350	N 6 E 6 S 6 W 6	3 3 3 3	M	A: 55.4 R: 4.19	Fair	C: Fair S: Ivy B: Good	3 trees on neighbouring property. Ivy on stems to 1/2 height. Major deadwood in crown (>50mm)	B.1.2 20 to 40 yrs
G3										Estimated Measurements	
Common Ash *Fraxinus excelsior*	11	1	350	N 4 E 4 S 4 W 4	2 2 2 2	M	A: 55.4 R: 4.19	Fair	C: Fair S: Good B: Good	2 trees on neighbouring property. Ivy on stems to 1/2 height.	B.1.2 20 to 40 yrs
G4											
Purging Buckthorn *Rhamnus catharticus*	4	1	90	N 2 E 2 S 2 W 2	1 1 1 1	Y	A: 3.7 R: 1.08	Fair	C: Fair S: Fair B: Fair	4 trees.	C.2 10 to 20 yrs

Age Classifications: N Newly planted; Y Young; SM Semi-mature; EM Early Mature; M Mature; OM Over Mature

Condition: C Crown; S Stem; B Basal area

Stems: Ø Diameter; (Eq) Equivalent stem diameter using BS5837:2012 definition

ERC: Estimated Remaining Contributio

Tree and Tag No Species	Hght (m)	Stems No	Stems Ø (mm)	Crown Spread (m)	Crown Clear (m)	Age	RP A (m²) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations Survey Comment	Cat ERC
G5											
Group *See Comments*	6	1	200	N 2 E 2 S 2 W 2	2 2 2 2		A: 18.1 R: 2.4	Fair	C: Fair S: Fair B: Fair	Elder & buckthorn with regeneration of ash & maple.	C.2 10 to 20 yrs
G6										Estimated Measurements	
Field Maple *Acer campestre*	12	1	400	N 5 E 5 S 5 W 5	2 2 2 2	M	A: 72.4 R: 4.8	Good	C: Fair S: Good B: Good	2 trees on neighbouring property.	B.2 20 to 40 yrs
G7											
Prunus *Prunus Spp.*	7	1	170	N 2 E 2 S 2 W 2	2 2 2 2	SM	A: 13.1 R: 2.04	Fair	C: Fair S: Fair B: Good	Linear group of 10 trees.	C.2 10 to 20 yrs
G8											
Group *See Comments*	6	1	240	N 3 E 3 S 3 W 3	1 1 1 1	SM	A: 26.1 R: 2.88	Fair	C: Fair S: Fair B: Fair	Group of hawthorn & prunus. Ivy on stems to 3/4 height	C.2 10 to 20 yrs
G9											
Common Hawthorn *Crataegus monogyna*	5	1	180	N 2 E 2 S 2 W 2	1 1 1 1	SM	A: 14.7 R: 2.16	Fair	C: Fair S: Fair B: Fair	4 trees. Ivy on stems to 3/4 height.	C.2 10 to 20 yrs
G10											
Group *See Comments*	6	1	140	N 2 E 2 S 2 W 2	1 1 1 1	Y	A: 8.9 R: 1.68	Fair	C: Fair S: Fair B: Fair	Group of young prunus field maple, hawthorn.	C.2 10 to 20 yrs

Age Classifications: N Newly planted; Y Young; SM Semi-mature; EM Early Mature; M Mature; OM Over Mature

Condition: C Crown; S Stem; B Basal area

Stems: Ø Diameter; (Eq) Equivalent stem diameter using BS5837:2012 definition

ERC: Estimated Remaining Contributio

Tree and Tag No Species	Hght (m)	Stems No	Stems Ø (mm)	Crown Spread (m)	Crown Clear (m)	Age	RP A (m²) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations Survey Comment	Cat ERC
G11											
Group *See Comments*	6	1	220	N 3 E 3 S 3 W 3	0 0 0 0	M	A: 21.9 R: 2.64	Fair	C: Fair S: Fair B: Fair	Unmanaged hedgerow of hawthorn, buckthorn with maple regeneration	**C.2** 10 to 20 yrs
H1											
Hedgerow *See comments*	4	2	141 (Eq)	N 2 E 2 S 2 W 2	1 1 1 1	SM	A: 9 R: 1.69	Good	C: Fair S: Fair B: Fair	Hawthorn & hazel hedgerow	**C.2** 10 to 20 yrs
W1											
Woodland *See comments*	13	1	250	N 3 E 3 S 3 W 3	2 2 2 2	M	A: 28.3 R: 3	Good	C: Fair S: Fair B: Good	Young woodland trees of 250mm stem diamter and below. Comprised of natural regeneration of oak, ash, lime with understorey of hawthorn & holly	**C.1.2** 20 to 40 yrs
1											
Scots Pine *Pinus sylvestris*	5	1	120	N 2 E 1 S 2 W 1.5	1 1 1 1	Y	A: 6.5 R: 1.43	Fair	C: Fair S: Good B: Good	Crown suppressed by neighbouring trees	**C.1** 10 to 20 yrs
2											
Norway Maple *Acer platanoides*	6	1	120	N 2 E 1 S 2 W 1	3 3 3 3	Y	A: 6.5 R: 1.43	Poor	C: Fair S: Good B: Good	Apical dieback within crown. Crown suppressed by neighbouring trees	**C.1** 10 to 20 yrs
3											
Norway Maple *Acer platanoides*	7	1	130	N 2 E 2 S 2 W 2	2 2 2 2	Y	A: 7.6 R: 1.55	Fair	C: Fair S: Good B: Good	Minor deadwood in crown (<50mm)	**C.1** 10 to 20 yrs

Age Classifications: N Newly planted; Y Young; SM Semi-mature; EM Early Mature; M Mature; OM Over Mature

Condition: C Crown; S Stem; B Basal area

Stems: Ø Diameter; (Eq) Equivalent stem diameter using BS5837:2012 definition

ERC: Estimated Remaining Contributio

Tree and Tag No Species	Hght (m)	Stems No	Stems Ø (mm)	Crown Spread (m)	Crown Clear (m)	Age	RP A (m²) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations Survey Comment	Cat ERC
4											
Norway Maple *Acer platanoides*	5	1	130	N 2 E 2 S 2 W 2	2 2 2 2	Dead	A: 7.6 R: 1.55	Dead	C: Poor S: Poor B: Poor		**U** <10 yrs
5											
Norway Maple *Acer platanoides*	6	1	140	N 2 E 2 S 2 W 2	2 2 2 2	Y	A: 8.9 R: 1.68	Fair	C: Fair S: Good B: Good	Minor deadwood in crown	**C.1** 10 to 20 yrs
6										Estimated Measurements	
Prunus *Prunus Spp.*	6	1	400	N 4 E 4 S 4 W 4	2 2 2 2	M	A: 72.4 R: 4.8	Fair	C: Fair S: Ivy B: Good	Tree is on neighbouring property. Ivy on stem to 3/4 height.	**B.1** 20 to 40 yrs
7											
Highclere Holly *Ilex x altaclarensis*	3	1	80	N 1 E 1 S 1 W 1.5	1 1 1 1	Y	A: 2.9 R: 0.96	Fair	C: Fair S: Fair B: Fair	Crown suppressed by neighbouring trees	**C.2** 10 to 20 yrs
8											
Common Lime *Tilia europaea*	7	1	170	N 3 E 3 S 3 W 3	2 2 1 2	SM	A: 13.1 R: 2.04	Good	C: Fair S: Good B: Good	Epicormic growth on stem	**B.1** 20 to 40 yrs
9											
Common Hornbeam *Carpinus betulus*	6	2	205 (Eq)	N 3 E 3 S 3 W 3	2 2 2 2	SM	A: 19 R: 2.45	Good	C: Fair S: Fair B: Good	Twin stemmed from 1m	**B.1** 20 to 40 yrs

Age Classifications: N Newly planted; Y Young; SM Semi-mature; EM Early Mature; M Mature; OM Over Mature

Condition: C Crown; S Stem; B Basal area

Stems: Ø Diameter; (Eq) Equivalent stem diameter using BS5837:2012 definition

ERC: Estimated Remaining Contributio

Tree and Tag No Species	Hght (m)	Stems No	Stems Ø (mm)	Crown Spread (m)	Crown Clear (m)	Age	RP A (m²) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations Survey Comment	Cat ERC
10											
Norway Maple *Acer platanoides*	12	1	180	N 4 E 4 S 3 W 2	2 2 2 2	SM	A: 14.7 R: 2.16	Good	C: Fair S: Good B: Good	Crown suppressed by neighbouring trees	**B.1** 20 to 40 yrs
11											
Scots Pine *Pinus sylvestris*	11	1	250	N 2 E 5 S 2 W 0	5 4 4 9	SM	A: 28.3 R: 3	Fair	C: Fair S: Fair B: Good	Stem leans east	**B.1** 20 to 40 yrs
12											
Norway Maple *Acer platanoides*	12	1	310	N 4 E 4 S 5 W 5	4 2 2 2	M	A: 43.5 R: 3.72	Good	C: Fair S: Good B: Good	Multi stemmed from 2m.	**B.1** 20 to 40 yrs
13											
Scots Pine *Pinus sylvestris*	11	1	230	N 3 E 2 S 1 W 2	2 5 5 1	SM	A: 23.9 R: 2.75	Fair	C: Fair S: Good B: Good	Crown suppressed by neighbouring trees	**B.1** 20 to 40 yrs
14											
Scots Pine *Pinus sylvestris*	11	1	200	N 1 E 1 S 1 W 3	5 5 5 2	SM	A: 18.1 R: 2.4	Fair	C: Fair S: Fair B: Fair	Crown suppressed by neighbouring trees	**C.1** 10 to 20 yrs
15										Estimated Measurements	
Silver Birch *Betula pendula*	12	2	375 (Eq)	N 3 E 3 S 3 W 3	1 1 1 1	M	A: 63.7 R: 4.5	Good	C: Fair S: Good B: Good	Tree is on neighbouring property. Twin stemmed from 0.6m.	**B.1** 20 to 40 yrs

Age Classifications: N Newly planted; Y Young; SM Semi-mature; EM Early Mature; M Mature; OM Over Mature

Condition: C Crown; S Stem; B Basal area

Stems: Ø Diameter; (Eq) Equivalent stem diameter using BS5837:2012 definition

ERC: Estimated Remaining Contributio

Tree and Tag No Species	Hght (m)	Stems No	Stems Ø (mm)	Crown Spread (m)	Crown Clear (m)	Age	RP A (m²) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations Survey Comment	Cat ERC
16											
Scots Pine *Pinus sylvestris*	11	1	360	N 3 2 E 3 2 S 4 2 W 3 2		M	A: 58.6 R: 4.31	Good	C: Fair S: Good B: Good	Single straight stem	**B.1** 20 to 40 yrs
17											
Swedish Birch *Betula dalecarlica*	8	1	250	N 4 2 E 3 2 S 3 2 W 3 2		M	A: 28.3 R: 3	Good	C: Fair S: Good B: Good	Twin stemmed from 4m.	**B.1** 20 to 40 yrs
18											
Common Oak *Quercus robur*	11	1	460	N 6 3 E 6 2 S 6 2 W 6 2		M	A: 95.7 R: 5.51	Good	C: Fair S: Good B: Good	Previously crown lifted. Minor deadwood in crown (<50mm). Multi stemmed from 3m	**B.1.2** 20 to 40 yrs
19											
Common Oak *Quercus robur*	7	1	870	N 3 3 E 3 3 S 3 3 W 3 3		M	A: 342.5 R: 10.44	Fair	C: Fair S: Fair B: Fair	Heavily reduced with epicormic growth at sites of reduced limbs and on stem. Apical dieback within crown.	**C.1** 10 to 20 yrs
20											
Scots Pine *Pinus sylvestris*	11	1	310	N 2 2 E 3 2 S 4 2 W 3 2		M	A: 43.5 R: 3.72	Fair	C: Fair S: Fair B: Good	Previously snapped out limb at 8m. Minor deadwood in lower crown.	**B.1** 20 to 40 yrs
21											
Norway Maple *Acer platanoides*	6	1	180	N 3 2 E 3 2 S 3 2 W 3 2		SM	A: 14.7 R: 2.16	Fair	C: Fair S: Good B: Good	Minor deadwood in crown	**B.1** 20 to 40 yrs

Age Classifications: N Newly planted; Y Young; SM Semi-mature; EM Early Mature; M Mature; OM Over Mature

Condition: C Crown; S Stem; B Basal area

Stems: Ø Diameter; (Eq) Equivalent stem diameter using BS5837:2012 definition

ERC: Estimated Remaining Contributio

Tree and Tag No Species	Hght (m)	Stems No	Stems Ø (mm)	Crown Spread (m)	Crown Clear (m)	Age	RP A (m²) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations Survey Comment	Cat ERC
22											
Swedish Birch *Betula dalecarlica*	10	1	210	N 2 E 2 S 2 W 2	2 2 2 2	OM	A: 20 R: 2.52	Good	C: Fair S: Good B: Good		**B.1** 20 to 40 yrs
23											
Swedish Birch *Betula dalecarlica*	9	1	170	N 2 E 2 S 2 W 2	2 2 2 2	SM	A: 13.1 R: 2.04	Good	C: Fair S: Good B: Good		**B.1** 20 to 40 yrs
24											
Scots Pine *Pinus sylvestris*	10	1	220	N 3 E 2 S 2 W 3	3 3 3 3	SM	A: 21.9 R: 2.64	Good	C: Fair S: Good B: Good	Minor deadwood in lower crown	**B.1** 20 to 40 yrs
25											
Scots Pine *Pinus sylvestris*	11	1	300	N 3 E 3 S 3 W 3	3 3 2 1	SM	A: 40.7 R: 3.59	Good	C: Fair S: Good B: Good	Single straight stem	**B.1** 20 to 40 yrs
26											
Scots Pine *Pinus sylvestris*	11	1	260	N 1 E 3 S 3 W 3	3 4 4 2	SM	A: 30.6 R: 3.12	Fair	C: Fair S: Good B: Good	Crown suppressed by neighbouring trees	**B.1** 20 to 40 yrs
27											
Norway Maple *Acer platanoides*	7	1	200	N 3 E 3 S 3 W 3	2 2 2 2	SM	A: 18.1 R: 2.4	Good	C: Fair S: Good B: Good	Multi stemmed from 2m	**B.1** 20 to 40 yrs

Age Classifications: N Newly planted; Y Young; SM Semi-mature; EM Early Mature; M Mature; OM Over Mature

Condition: C Crown; S Stem; B Basal area

Stems: Ø Diameter; (Eq) Equivalent stem diameter using BS5837:2012 definition

ERC: Estimated Remaining Contributio

Tree and Tag No Species	Hght (m)	Stems No	Stems Ø (mm)	Crown Spread (m)	Crown Clear (m)	Age	RP A (m²) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations Survey Comment	Cat ERC
28											
Norway Maple *Acer platanoides*	6	1	230	N 2 E 2 S 2 W 2	2 2 2 2	SM	A: 23.9 R: 2.75	Good	C: Fair S: Good B: Good	Mu	**B.1** 20 to 40 yrs
29											
Norway Maple *Acer platanoides*	5	1	100	N 2 E 2 S 2 W 1	2 2 2 2	Y	A: 4.5 R: 1.19	Fair	C: Fair S: Good B: Good		**C.1** 10 to 20 yrs
30											
Norway Maple *Acer platanoides*	6	1	200	N 3 E 3 S 3 W 3	3 2 3 4	SM	A: 18.1 R: 2.4	Good	C: Fair S: Good B: Good	Previously crown lifted	**B.1** 20 to 40 yrs
31											
Common Ash *Fraxinus excelsior*	6	1	140	N 2 E 2 S 2 W 2	2 2 2 2	Y	A: 8.9 R: 1.68	Good	C: Fair S: Good B: Good		**C.1** 10 to 20 yrs
32											
Common Ash *Fraxinus excelsior*	5	1	120	N 2 E 2 S 2 W 2	2 2 2 2	Y	A: 6.5 R: 1.43	Fair	C: Fair S: Good B: Good	Minor deadwood in crown	**C.1** 10 to 20 yrs
33											
Red Oak *Quercus rubra*	4	1	90	N 2 E 2 S 2 W 2	1 1 1 1	Y	A: 3.7 R: 1.08	Fair	C: Fair S: Good B: Good	Apical dieback in crown leader	**C.1** 10 to 20 yrs

Age Classifications: N Newly planted; Y Young; SM Semi-mature; EM Early Mature; M Mature; OM Over Mature

Condition: C Crown; S Stem; B Basal area

Stems: Ø Diameter; (Eq) Equivalent stem diameter using BS5837:2012 definition

ERC: Estimated Remaining Contributio

Tree and Tag No Species	Hght (m)	Stems No	Stems Ø (mm)	Crown Spread (m)	Crown Clear (m)	Age	RP A (m²) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations Survey Comment	Cat ERC
34											
Red Oak *Quercus rubra*	5	1	120	N 2 E 2 S 2 W 2	1 1 1 1	Y	A: 6.5 R: 1.43	Fair	C: Fair S: Good B: Good		**C.1** 10 to 20 yrs
35											
Red Oak *Quercus rubra*	6	1	140	N 2 E 2 S 2 W 2	1 1 1 1	Y	A: 8.9 R: 1.68	Fair	C: Fair S: Good B: Good		**C.1** 10 to 20 yrs
36											
Red Oak *Quercus rubra*	0	1	120	N 2 E 2 S 2 W 2	1 1 1 1	Y	A: 6.5 R: 1.43	Fair	C: Fair S: Good B: Good		**C.1** 10 to 20 yrs
37											
Red Oak *Quercus rubra*	5	1	110	N 2 E 2 S 2 W 2	2 2 2 2	Y	A: 5.5 R: 1.32	Fair	C: Fair S: Good B: Good		**C.1** 10 to 20 yrs
38											
Red Oak *Quercus rubra*	5	1	100	N 2 E 2 S 2 W 2	1 1 1 1	Y	A: 4.5 R: 1.19	Fair	C: Fair S: Good B: Good		**C.1** 10 to 20 yrs
39											
Red Oak *Quercus rubra*	6	1	110	N 3 E 3 S 3 W 3	1 1 1 1	Y	A: 5.5 R: 1.32	Fair	C: Fair S: Good B: Good		**C.1** 10 to 20 yrs

Age Classifications: N Newly planted; Y Young; SM Semi-mature; EM Early Mature; M Mature; OM Over Mature

Condition: C Crown; S Stem; B Basal area

Stems: Ø Diameter; (Eq) Equivalent stem diameter using BS5837:2012 definition

ERC: Estimated Remaining Contributio

Tree and Tag No Species	Hght (m)	Stems No	Stems Ø (mm)	Crown Spread (m)	Crown Clear (m)	Age	RP A (m²) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations Survey Comment	Cat ERC
40											
Red Oak *Quercus rubra*	5	1	130	N 2 E 2 S 2 W 2	1 1 1 1	Y	A: 7.6 R: 1.55	Fair	C: Fair S: Good B: Good		C.1 10 to 20 yrs
41											
Red Oak *Quercus rubra*	5	1	110	N 2 E 2 S 2 W 2	1 1 1 1	Y	A: 5.5 R: 1.32	Fair	C: Fair S: Good B: Good		C.1 10 to 20 yrs
42											
Red Oak *Quercus rubra*	6	1	120	N 3 E 3 S 3 W 3	1 1 1 1	Y	A: 6.5 R: 1.43	Fair	C: Fair S: Good B: Good		C.1 10 to 20 yrs
43										Estimated Measurements	
Common Holly *Ilex aquifolium*	8	6	318 (Eq)	N 4 E 4 S 4 W 4	2 1 1 1	M	A: 45.9 R: 3.82	Fair	C: Fair S: Fair B: Good	Trees on neighbouring property. Multi stemmed from base	B.1 20 to 40 yrs
44										Estimated Measurements	
Common Holly *Ilex aquifolium*	8	6	294 (Eq)	N 4 E 4 S 4 W 4	2 2 2 2	M	A: 39.1 R: 3.52	Fair	C: Fair S: Fair B: Good	Tree is on neighbouring property. Multi stemmed from base	B.1 20 to 40 yrs
45											
Common Lime *Tilia europaea*	6	1	220	N 4 E 3 S 2 W 4	2 2 2 2	SM	A: 21.9 R: 2.64	Fair	C: Fair S: Fair B: Good	Stem previously removed at 1.2m. Overtopped by neighbouring tree.	C.1 10 to 20 yrs

Age Classifications: N Newly planted; Y Young; SM Semi-mature; EM Early Mature; M Mature; OM Over Mature

Condition: C Crown; S Stem; B Basal area

Stems: Ø Diameter; (Eq) Equivalent stem diameter using BS5837:2012 definition

ERC: Estimated Remaining Contributio

Tree and Tag No Species	Hght (m)	Stems No	Stems Ø (mm)	Crown Spread (m)	Crown Clear (m)	Age	RP A (m²) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations Survey Comment	Cat ERC
46											
Norway Maple *Acer platanoides*	6	1	120	N 2 E 2 S 2 W 2	2 2 2 2	Y	A: 6.5 R: 1.43	Good	C: Fair S: Good B: Good	Single straight stem	C.1 10 to 20 yrs
47											
Field Maple *Acer campestre*	11	1	290	N 4 E 4 S 4 W 4	2 2 2 2	M	A: 38.1 R: 3.48	Good	C: Fair S: Fair B: Good	Multi stemmed from 1.8m.	B.1 20 to 40 yrs
48											
Common Lime *Tilia europaea*	13	2	424 (Eq)	N 5 E 5 S 5 W 5	3 4 4 4	M	A: 81.4 R: 5.09	Good	C: Fair S: Fair B: Good	2 co dominant stems from 1.4m. Tight union between stems. Exposed r0otsbin grass verge	B.1.2 20 to 40 yrs
49											
Common Lime *Tilia europaea*	12	1	380	N 5 E 5 S 5 W 5	2 2 2 2	M	A: 65.3 R: 4.55	Good	C: Fair S: Fair B: Good	Stemnkeans north then east. Multi stemmed from 2m.	B.1 20 to 40 yrs
50											
Common Ash *Fraxinus excelsior*	7	1	210	N 4 E 3 S 3 W 3	2 2 2 2	SM	A: 20 R: 2.52	Fair	C: Fair S: Good B: Fair	Situated at base of fence	B.1 20 to 40 yrs
51											
Common Lime *Tilia europaea*	12	1	280	N 4 E 4 S 4 W 4	2 2 2 2	M	A: 35.5 R: 3.36	Good	C: Fair S: Good B: Good	Stem leans south	B.1 20 to 40 yrs

Age Classifications: N Newly planted; Y Young; SM Semi-mature; EM Early Mature; M Mature; OM Over Mature

Condition: C Crown; S Stem; B Basal area

Stems: Ø Diameter; (Eq) Equivalent stem diameter using BS5837:2012 definition

ERC: Estimated Remaining Contributio

Tree and Tag No Species	Hght (m)	Stems No	Stems Ø (mm)	Crown Spread (m)	Crown Clear (m)	Age	RP A (m²) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations Survey Comment	Cat ERC
52											
Common Lime *Tilia europaea*	10	1	250	N 3 E 3 S 4 W 2	4 2 3 4	SM	A: 28.3 R: 3	Fair	C: Fair S: Fair B: Good	2 co-dominant stems from 1.7m	**B.1** 20 to 40 yrs
53											
Common Oak *Quercus robur*	12	1	300	N 5 E 4 S 4 W 3	2 2 2 2	M	A: 40.7 R: 3.59	Good	C: Fair S: Good B: Good	Minor deadwood in crown	**B.1.2** 20 to 40 yrs
54											
Common Lime *Tilia europaea*	9	3	239 (Eq)	N 3 E 3 S 3 W 3	2 2 2 2	SM	A: 25.9 R: 2.87	Good	C: Fair S: Fair B: Good	Multi stemmed from 0.4m.	**C.1** 10 to 20 yrs
55											
Prunus *Prunus Spp.*	9	1	370	N 5 E 3 S 5 W 4	2 2 2 4	M	A: 61.9 R: 4.43	Fair	C: Fair S: Ivy B: Good	Dense ivy on stem to 3/4 height prevents complete inspection	**B.1** 20 to 40 yrs
56											
Prunus *Prunus Spp.*	8	2	358 (Eq)	N 5 E 3 S 4 W 5	2 2 2 2	M	A: 57.9 R: 4.29	Fair	C: Fair S: Ivy B: Fair	Dense ivy on stem to 3/4 height prevents complete inspection	**B.1** 20 to 40 yrs
57											
Sycamore *Acer pseudoplatanus*	14	1	450	N 5 E 5 S 5 W 5	5 5 5 5	M	A: 91.6 R: 5.39	Good	C: Fair S: Good B: Good	Previously crown lifted. Decay present at site of old pruning wound.	**B.1.2** 20 to 40 yrs

Age Classifications: N Newly planted; Y Young; SM Semi-mature; EM Early Mature; M Mature; OM Over Mature

Condition: C Crown; S Stem; B Basal area

Stems: Ø Diameter; (Eq) Equivalent stem diameter using BS5837:2012 definition

ERC: Estimated Remaining Contributio

Tree and Tag No Species	Hght (m)	Stems No	Stems Ø (mm)	Crown Spread (m)	Crown Clear (m)	Age	RP A (m²) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations Survey Comment	Cat ERC
58											
Common Ash *Fraxinus excelsior*	15	7	635 (Eq)	N 6 E 7 S 6 W 5	4 4 3 4	M	A: 182.4 R: 7.61	Fair	C: Fair S: Fair B: Good	Multi stemmed from base. Major deadwood in crown (>50mm)	**B.1.2** 20 to 40 yrs
59											
Common Oak *Quercus robur*	11	1	270	N 4 E 4 S 3 W 3	6 6 3 2	SM	A: 33 R: 3.24	Fair	C: Fair S: Ivy B: Good	Ivy on stem to 3/4 height. Crown obscures lighting.	**B.1** 20 to 40 yrs
60											
Common Oak *Quercus robur*	13	1	370	N 5 E 5 S 5 W 5	2 2 2 2	M	A: 61.9 R: 4.43	Good	C: Fair S: Good B: Good	Ivy on stem to 3/4 height	**B.1.2** 20 to 40 yrs
61											
Common Oak *Quercus robur*	12	1	330	N 4 E 5 S 6 W 5	4 4 2 2	M	A: 49.3 R: 3.96	Good	C: Fair S: Good B: Good	Major deadwood in crown	**B.1.2** 20 to 40 yrs
62											
Common Oak *Quercus robur*	12	1	280	N 3 E 3 S 4 W 4	5 5 5 5	SM	A: 35.5 R: 3.36	Fair	C: Fair S: Good B: Good	Major deadwood in crown. Previously snapped out limbs	**B.1** 20 to 40 yrs
63											
Common Oak *Quercus robur*	13	2	347 (Eq)	N 3 E 4 S 3 W 3	6 6 6 6	SM	A: 54.3 R: 4.15	Fair	C: Fair S: Fair B: Good	2 co-dominant stems from base. Major deadwood in crown	**B.1** 20 to 40 yrs

Age Classifications: N Newly planted; Y Young; SM Semi-mature; EM Early Mature; M Mature; OM Over Mature

Condition: C Crown; S Stem; B Basal area

Stems: Ø Diameter; (Eq) Equivalent stem diameter using BS5837:2012 definition

ERC: Estimated Remaining Contributio

Tree and Tag No Species	Hght (m)	Stems No	Stems Ø (mm)	Crown Spread (m)	Crown Clear (m)	Age	RP A (m²) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations Survey Comment	Cat ERC
64											
Common Oak *Quercus robur*	14	1	300	N 4 E 4 S 4 W 4	6 6 6 6	SM	A: 40.7 R: 3.59	Fair	C: Fair S: Good B: Good	Major deadwood in crown	**B.1** 20 to 40 yrs
65											
Common Lime *Tilia europaea*	13	1	280	N 4 E 5 S 2 W 2	4 4 6 5	SM	A: 35.5 R: 3.36	Fair	C: Fair S: Good B: Good	Ivy on stem to 3/4 height	**B.1** 20 to 40 yrs
66											
Common Oak *Quercus robur*	15	1	330	N 5 E 4 S 3 W 5	5 5 5 5	M	A: 49.3 R: 3.96	Fair	C: Fair S: Good B: Good	Major deadwood in crown	**B.1** 20 to 40 yrs
67											
Common Oak *Quercus robur*	14	1	460	N 5 E 5 S 5 W 5	5 5 3 4	M	A: 95.7 R: 5.51	Good	C: Fair S: Good B: Good	Recently crown lifted over footpath	**B.1.2** 20 to 40 yrs
68											
Common Oak *Quercus robur*	18	1	1260	N 9 E 9 S 8 W 8	4 5 5 7	M	A: 707 R: 15	Fair	C: Fair S: Good B: Good	Multi stemmed from 4m. Laetiporus sulphureus fungal fruiting body at union of major limb at 4m on south of tree. Limb has decay present within and overhangs the footpath. Major deadwood in crown (>50mm)	**B.1.2** 20 to 40 yrs
69											
Common Oak *Quercus robur*	14	2	449 (Eq)	N 5 E 6 S 5 W 4	4 4 3 3	M	A: 91.4 R: 5.39	Fair	C: Fair S: Fair B: Fair	Ivy on stem & in crown to 3/4 height. Major deadwood in crown	**B.1** 20 to 40 yrs

Age Classifications: N Newly planted; Y Young; SM Semi-mature; EM Early Mature; M Mature; OM Over Mature

Condition: C Crown; S Stem; B Basal area

Stems: Ø Diameter; (Eq) Equivalent stem diameter using BS5837:2012 definition

ERC: Estimated Remaining Contributio

Tree and Tag No Species	Hght (m)	Stems No	Stems Ø (mm)	Crown Spread (m)	Crown Clear (m)	Age	RP A (m²) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations Survey Comment	Cat ERC
70											
Common Oak *Quercus robur*	15	1	330	N 5 E 5 S 4 W 5	6 5 6 6	M	A: 49.3 R: 3.96	Good	C: Fair S: Good B: Good	Ivy on stem to 3/4 height	**B.1** 20 to 40 yrs
71											
Common Oak *Quercus robur*	15	1	280	N 4 E 5 S 5 W 3	7 5 7 7	M	A: 35.5 R: 3.36	Fair	C: Fair S: Good B: Good	Crown suppressed by neighbouring trees	**B.1** 20 to 40 yrs
72											
Common Oak *Quercus robur*	13	1	270	N 4 E 3 S 2 W 3	7 7 7 7	SM	A: 33 R: 3.24	Fair	C: Fair S: Good B: Good	Crown suppressed by neighbouring trees	**C.1** 10 to 20 yrs
73											
Common Oak *Quercus robur*	13	1	260	N 5 E 3 S 5 W 5	4 4 4 4	SM	A: 30.6 R: 3.12	Fair	C: Fair S: Good B: Good	Crown suppressed by neighbouring trees	**B.1** 20 to 40 yrs
74											
Common Oak *Quercus robur*	15	1	270	N 4 E 5 S 5 W 4	8 8 8 8	SM	A: 33 R: 3.24	Good	C: Fair S: Good B: Good	Minor deadwood in crown	**B.1** 20 to 40 yrs
75											
Common Oak *Quercus robur*	14	1	270	N 2 E 3 S 3 W 3	8 8 8 8	SM	A: 33 R: 3.24	Fair	C: Fair S: Good B: Good	Crown suppressed by neighbouring trees	**C.1** 10 to 20 yrs

Age Classifications: N Newly planted; Y Young; SM Semi-mature; EM Early Mature; M Mature; OM Over Mature

Condition: C Crown; S Stem; B Basal area

Stems: Ø Diameter; (Eq) Equivalent stem diameter using BS5837:2012 definition

ERC: Estimated Remaining Contributio

Tree and Tag No Species	Hght (m)	Stems No	Stems Ø (mm)	Crown Spread (m)	Crown Clear (m)	Age	RP A (m²) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations Survey Comment	Cat ERC
76											
Common Oak *Quercus robur*	15	2	326 (Eq)	N 4 E 5 S 5 W 5	3 2 2 2	M	A: 48 R: 3.9	Fair	C: Fair S: Fair B: Good	2 co-dominant stems from 1m	**B.1.2** 20 to 40 yrs
77											
Common Oak *Quercus robur*	15	1	420	N 4 E 3 S 5 W 5	3 5 2 2	M	A: 79.8 R: 5.03	Good	C: Fair S: Good B: Good	Crown suppressed by neighbouring trees	**B.1.2** 20 to 40 yrs
78											
Common Oak *Quercus robur*	14	1	310	N 3 E 4 S 5 W 3	5 5 5 5	M	A: 43.5 R: 3.72	Fair	C: Fair S: Good B: Good	Major deadwood in crown	**B.1** 20 to 40 yrs
79											
Common Oak *Quercus robur*	12	1	380	N 4 E 5 S 5 W 5	4 2 2 2	M	A: 65.3 R: 4.55	Good	C: Fair S: Good B: Good	Ivy on stem to 1/2 height. major deadwood in crown	**B.1.2** 20 to 40 yrs
80											
Common Oak *Quercus robur*	12	2	622 (Eq)	N 6 E 6 S 4 W 6	3 3 4 3	M	A: 175.3 R: 7.46	Good	C: Fair S: Fair B: Good	2 co-dominant stems from base.	**B.1.2** 20 to 40 yrs
81											
Common Oak *Quercus robur*	17	1	710	N 7 E 7 S 7 W 7	2 2 1 1	M	A: 228.1 R: 8.52	Good	C: Fair S: Good B: Good	Ivy on stem to 3/4 height. Major deadwood in crown	**B.1.2** 20 to 40 yrs

Age Classifications: N Newly planted; Y Young; SM Semi-mature; EM Early Mature; M Mature; OM Over Mature

Condition: C Crown; S Stem; B Basal area

Stems: Ø Diameter; (Eq) Equivalent stem diameter using BS5837:2012 definition

ERC: Estimated Remaining Contributio

Tree and Tag No Species	Hght (m)	Stems No	Stems Ø (mm)	Crown Spread (m)	Crown Clear (m)	Age	RP A (m²) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations Survey Comment	Cat ERC
82											
Common Oak *Quercus robur*	15	1	400	N 5 E 5 S 6 W 3	5 3 2 5	M	A: 72.4 R: 4.8	Good	C: Fair S: Good B: Good	Crown suppressed by neighbouring trees	**B.1.2** 20 to 40 yrs
83											
Common Oak *Quercus robur*	14	1	370	N 6 E 4 S 3 W 6	1 5 4 1	M	A: 61.9 R: 4.43	Good	C: Fair S: Good B: Good	Crown suppressed by neighbouring trees	**B.1.2** 20 to 40 yrs
84											
Common Oak *Quercus robur*	14	1	410	N 5 E 5 S 5 W 5	4 2 1 4	M	A: 76.1 R: 4.92	Fair	C: Fair S: Good B: Good	Major deadwood in crown	**B.1.2** 20 to 40 yrs
85											
Common Oak *Quercus robur*	13	1	380	N 5 E 5 S 5 W 5	2 4 4 4	M	A: 65.3 R: 4.55	Fair	C: Fair S: Good B: Good	Major deadwood in crown	**B.1** 20 to 40 yrs
86											
Prunus *Prunus Spp.*	13	4	386 (Eq)	N 5 E 5 S 5 W 5	3 3 2 3	M	A: 67.4 R: 4.63	Fair	C: Fair S: Fair B: Good	Minor deadwood in crown	**B.1** 20 to 40 yrs
87											
Common Oak *Quercus robur*	14	1	430	N 6 E 6 S 6 W 5	5 5 5 5	M	A: 83.7 R: 5.16	Good	C: Fair S: Good B: Good	Major deadwood in crown	**B.1.2** 20 to 40 yrs

Age Classifications: N Newly planted; Y Young; SM Semi-mature; EM Early Mature; M Mature; OM Over Mature

Condition: C Crown; S Stem; B Basal area

Stems: Ø Diameter; (Eq) Equivalent stem diameter using BS5837:2012 definition

ERC: Estimated Remaining Contributio

Tree and Tag No Species	Hght (m)	Stems No	Stems Ø (mm)	Crown Spread (m)	Crown Clear (m)	Age	RP A (m²) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations Survey Comment	Cat ERC
88											
Common Oak *Quercus robur*	10	1	320	N 4 E 4 S 4 W 4	2 3 2 1	SM	A: 46.3 R: 3.83	Fair	C: Fair S: Fair B: Good	Ivy on stem to 3/4 height. major deadwood in crown	**B.1** 20 to 40 yrs
89											
Common Oak *Quercus robur*	13	2	368 (Eq)	N 5 E 5 S 5 W 4	4 4 4 4	M	A: 61.3 R: 4.41	Fair	C: Fair S: Fair B: Good	2 co -dominant stems from 1m. Major deadwood in crown	**B.1** 20 to 40 yrs
90											
Common Ash *Fraxinus excelsior*	15	1	320	N 5 E 3 S 5 W 5	5 5 3 5	M	A: 46.3 R: 3.83	Good	C: Fair S: Good B: Good	2 co-dominant stems from 4m.	**B.1.2** 20 to 40 yrs
91											
Common Ash *Fraxinus excelsior*	15	1	420	N 6 E 4 S 6 W 5	5 5 3 5	M	A: 79.8 R: 5.03	Fair	C: Fair S: Good B: Good	Multi stemmed from 2m	**B.1.2** 20 to 40 yrs
92											
Common Oak *Quercus robur*	12	1	310	N 4 E 5 S 5 W 5	5 5 5 5	M	A: 43.5 R: 3.72	Fair	C: Fair S: Good B: Good	Major deadwood in crown	**B.1** 20 to 40 yrs
93											
Common Oak *Quercus robur*	9	1	280	N 4 E 4 S 2 W 4	4 4 4 4	SM	A: 35.5 R: 3.36	Poor	C: Fair S: Fair B: Good	Previously snapped out limbs. Overtopped by neighbouring trees	**C.1** 10 to 20 yrs

Age Classifications: N Newly planted; Y Young; SM Semi-mature; EM Early Mature; M Mature; OM Over Mature

Condition: C Crown; S Stem; B Basal area

Stems: Ø Diameter; (Eq) Equivalent stem diameter using BS5837:2012 definition

ERC: Estimated Remaining Contributio

Tree and Tag No Species	Hght (m)	Stems No	Stems Ø (mm)	Crown Spread (m)	Crown Clear (m)	Age	RP A (m²) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations Survey Comment	Cat ERC
94											
Common Oak *Quercus robur*	12	1	280	N 3 E 3 S 3 W 2	5 5 5 5	SM	A: 35.5 R: 3.36	Fair	C: Fair S: Fair B: Good	Major deadwood in crown. Crown suppressed by neighbouring trees	**B.1** 20 to 40 yrs
95											
Common Oak *Quercus robur*	13	1	290	N 4 E 5 S 5 W 2	4 4 4 4	M	A: 38.1 R: 3.48	Fair	C: Fair S: Good B: Good	Major deadwood in crown	**B.1** 20 to 40 yrs
96											
Common Oak *Quercus robur*	12	1	420	N 4 E 3 S 5 W 5	1 3 1 1	M	A: 79.8 R: 5.03	Fair	C: Fair S: Fair B: Good	Major deadwood in crown	**B.1** 20 to 40 yrs
97											
Common Oak *Quercus robur*	11	1	330	N 5 E 3 S 5 W 5	3 3 1 1	M	A: 49.3 R: 3.96	Fair	C: Fair S: Good B: Good	Major deadwood in crown	**B.1.2** 20 to 40 yrs
98											
Common Oak *Quercus robur*	8	1	260	N 2 E 2 S 5 W 4	4 4 2 2	M	A: 30.6 R: 3.12	Fair	C: Fair S: Good B: Good	Crown suppressed by neighbouring trees	**C.1** 10 to 20 yrs
99											
Common Oak *Quercus robur*	15	1	510	N 7 E 7 S 6 W 7	2 7 7 2	M	A: 117.7 R: 6.12	Good	C: Fair S: Good B: Good	Minor deadwood in crown (<50mm)	**B.1.2** 20 to 40 yrs

Age Classifications: N Newly planted; Y Young; SM Semi-mature; EM Early Mature; M Mature; OM Over Mature

Condition: C Crown; S Stem; B Basal area

Stems: Ø Diameter; (Eq) Equivalent stem diameter using BS5837:2012 definition

ERC: Estimated Remaining Contributio

Tree and Tag No Species	Hght (m)	Stems No	Stems Ø (mm)	Crown Spread (m)	Crown Clear (m)	Age	RP A (m²) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations Survey Comment	Cat ERC
100											
Scots Pine *Pinus sylvestris*	9	1	240	N 2 3 E 2 4 S 4 2 W 4 2		M	A: 26.1 R: 2.88	Fair	C: Fair S: Good B: Good	Minor deadwood in crown	**B.1** 20 to 40 yrs
101											
Scots Pine *Pinus sylvestris*	11	1	300	N 4 2 E 2 4 S 4 2 W 5 3		M	A: 40.7 R: 3.59	Good	C: Fair S: Good B: Good	Crown suppressed by neighbouring trees	**B.1.2** 20 to 40 yrs
102											
Common Oak *Quercus robur*	6	1	900	N 0.5 6 E 0.5 6 S 0.5 6 W 0.5 6		Dead	A: 366.5 R: 10.8	Dead	C: Poor S: Poor B: Poor	Left as standing monolith	**U** n/a
103											
Common Oak *Quercus robur*	14	1	350	N 5 5 E 4 5 S 4 4 W 6 3		M	A: 55.4 R: 4.19	Good	C: Fair S: Good B: Good		**B.1** 20 to 40 yrs
104											
Common Oak *Quercus robur*	15	2	504 (Eq)	N 4 4 E 5 4 S 7 2 W 5 1		M	A: 115.1 R: 6.05	Fair	C: Fair S: Fair B: Good	2 co-dominant stems from 1.2m. Major deadwood in crown	**B.1.2** 20 to 40 yrs
105											
Common Lime *Tilia europaea*	18	1	840	N 7 1 E 7 1 S 6 5 W 7 1		M	A: 319.2 R: 10.07	Good	C: Fair S: Fair B: Good	Previously snapped out limbs. Barbed wire included in stem.	**B.1.2** 20 to 40 yrs

Age Classifications: N Newly planted; Y Young; SM Semi-mature; EM Early Mature; M Mature; OM Over Mature

Condition: C Crown; S Stem; B Basal area

Stems: Ø Diameter; (Eq) Equivalent stem diameter using BS5837:2012 definition

ERC: Estimated Remaining Contributio

Tree and Tag No Species	Hght (m)	Stems No	Stems Ø (mm)	Crown Spread (m)	Crown Clear (m)	Age	RP A (m²) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations Survey Comment	Cat ERC
106											
Common Oak *Quercus robur*	13	1	290	N 5 E 5 S 4 W 2	3 4 4 6	SM	A: 38.1 R: 3.48	Fair	C: Fair S: Good B: Good	Crown suppressed by neighbouring trees	**B.1** 20 to 40 yrs
107											
Common Oak *Quercus robur*	13	1	310	N 2 E 4 S 4 W 4	8 2 5 5	SM	A: 43.5 R: 3.72	Fair	C: Fair S: Good B: Good	Crown suppressed by neighbouring trees	**C.1** 10 to 20 yrs
108											
Common Oak *Quercus robur*	10	1	410	N 6 E 4 S 2 W 4	1 2 5 2	M	A: 76.1 R: 4.92	Decline	C: Fair S: Poor B: Poor	Wound on stem from base - 2m, 250mm across at widest point, decay present within heartwood. Major deadwood in crown	**U** <10 yrs
109											
Common Oak *Quercus robur*	9	1	260	N 4 E 4 S 2 W 4	1 1 4 1	SM	A: 30.6 R: 3.12	Fair	C: Fair S: Fair B: Fair	Apical dieback at top of crown.	**C.1** 10 to 20 yrs
110											
Common Oak *Quercus robur*	15	2	340 (Eq)	N 4 E 1 S 3 W 5	6 5 4 4	SM	A: 52.2 R: 4.07	Fair	C: Fair S: Fair B: Good	2 co-dominant stems from 1m.. crown suppressed by neighbouring trees	**B.1** 20 to 40 yrs
111											
Common Oak *Quercus robur*	14	1	300	N 4 E 3 S 3 W 4	6 6 6 6	SM	A: 40.7 R: 3.59	Fair	C: Fair S: Good B: Good	Crown suppressed by neighbouring trees	**B.1** 20 to 40 yrs

Age Classifications: N Newly planted; Y Young; SM Semi-mature; EM Early Mature; M Mature; OM Over Mature

Condition: C Crown; S Stem; B Basal area

Stems: Ø Diameter; (Eq) Equivalent stem diameter using BS5837:2012 definition

ERC: Estimated Remaining Contributio

Tree and Tag No Species	Hght (m)	Stems No	Stems Ø (mm)	Crown Spread (m)	Crown Clear (m)	Age	RP A (m²) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations Survey Comment	Cat ERC
112											
Common Oak *Quercus robur*	8	1	300	N 2 E 2 S 4 W 5	4 5 2 2	SM	A: 40.7 R: 3.59	Fair	C: Fair S: Fair B: Good	Crown suppressed by neighbouring trees	C.1 10 to 20 yrs
113											
Common Oak *Quercus robur*	13	1	270	N 1 E 3 S 4 W 3	7 5 5 5	SM	A: 33 R: 3.24	Fair	C: Fair S: Good B: Good	Crown suppressed by neighbouring trees	C.1 10 to 20 yrs
114											
Common Oak *Quercus robur*	13	1	310	N 4 E 3 S 5 W 2	5 5 5 5	SM	A: 43.5 R: 3.72	Fair	C: Fair S: Good B: Good		B.1 20 to 40 yrs
115											
Common Oak *Quercus robur*	13	2	305 (Eq)	N 6 E 3 S 2 W 5	2 2 4 4	SM	A: 42 R: 3.65	Fair	C: Fair S: Fair B: Good	2 co-dominant stems from 0.6m. Crown suppressed by neighbouring trees	B.1 20 to 40 yrs
116											
Common Oak *Quercus robur*	11	1	280	N 4 E 4 S 4 W 3	6 6 6 6	SM	A: 35.5 R: 3.36	Fair	C: Fair S: Good B: Good	Single straight stem	B.1 20 to 40 yrs
117											
Common Oak *Quercus robur*	12	1	280	N 3 E 3 S 5 W 5	5 5 5 5	SM	A: 35.5 R: 3.36	Fair	C: Fair S: Good B: Good	Multi stemmed from 3m.	B.1 20 to 40 yrs

Age Classifications: N Newly planted; Y Young; SM Semi-mature; EM Early Mature; M Mature; OM Over Mature

Condition: C Crown; S Stem; B Basal area

Stems: Ø Diameter; (Eq) Equivalent stem diameter using BS5837:2012 definition

ERC: Estimated Remaining Contributio

Tree and Tag No Species	Hght (m)	Stems No	Stems Ø (mm)	Crown Spread (m)	Crown Clear (m)	Age	RP A (m²) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations Survey Comment	Cat ERC
118											
Common Oak *Quercus robur*	12	1	400	N 5 4 E 4 5 S 5 2 W 6 2		M	A: 72.4 R: 4.8	Fair	C: Fair S: Good B: Good	Major deadwood in crown	**B.1.2** 20 to 40 yrs
119											
Common Oak *Quercus robur*	13	1	370	N 6 2 E 5 5 S 5 5 W 6 1		M	A: 61.9 R: 4.43	Good	C: Fair S: Fair B: Good	2 co-dominant stems from 3m, tight union for 0.5m. Major deadwood in crown.	**B.1.2** 20 to 40 yrs
120											
Sycamore *Acer pseudoplatanus*	17	3	495 (Eq)	N 5 4 E 2 4 S 5 4 W 6 4		M	A: 110.9 R: 5.94	Fair	C: Fair S: Fair B: Good	Multi stemmed from base. Crown suppressed by neighbouring trees	**B.1** 20 to 40 yrs
121											
Sycamore *Acer pseudoplatanus*	14	2	361 (Eq)	N 2 5 E 6 5 S 5 5 W 2 5		M	A: 58.8 R: 4.32	Fair	C: Fair S: Fair B: Good	2 co-dominant stems from base. Crown suppressed by neighbouring trees	**B.1** 20 to 40 yrs
122											
Sycamore *Acer pseudoplatanus*	17	3	588 (Eq)	N 5 6 E 6 4 S 4 7 W 6 5		M	A: 156.2 R: 7.05	Fair	C: Fair S: Good B: Good	Multi stemmed from base. Major deadwood in crown	**B.1.2** 20 to 40 yrs
123											
Common Hawthorn *Crataegus monogyna*	5	2	91 (Eq)	N 2 1 E 2 1 S 2 1 W 2 1		SM	A: 3.7 R: 1.08	Fair	C: Fair S: Fair B: Fair	Ivy on stem to full height	**C.1** 10 to 20 yrs

Age Classifications: N Newly planted; Y Young; SM Semi-mature; EM Early Mature; M Mature; OM Over Mature

Condition: C Crown; S Stem; B Basal area

Stems: Ø Diameter; (Eq) Equivalent stem diameter using BS5837:2012 definition

ERC: Estimated Remaining Contributio

Tree and Tag No Species	Hght (m)	Stems No	Stems Ø (mm)	Crown Spread (m)	Crown Clear (m)	Age	RP A (m²) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations Survey Comment	Cat ERC
124											
Sycamore *Acer pseudoplatanus*	14	1	250	N 5 E 5 S 2 W 3	5 5 8 6	M	A: 28.3 R: 3	Fair	C: Fair S: Good B: Good	Crown suppressed by neighbouring trees	**B.1** 20 to 40 yrs
125											
Sycamore *Acer pseudoplatanus*	15	1	350	N 3 E 4 S 5 W 5	3 5 3 3	M	A: 55.4 R: 4.19	Fair	C: Fair S: Good B: Good	Crown suppressed by neighbouring trees	**B.1** 20 to 40 yrs
126											
Sycamore *Acer pseudoplatanus*	8	1	220	N 5 E 1 S 1 W 5	2 2 2 2	SM	A: 21.9 R: 2.64	Good	C: Fair S: Fair B: Fair	Stem leans northwest. Overtopped by neighbouring trees	**C.1** 10 to 20 yrs
127											
Sycamore *Acer pseudoplatanus*	11	1	260	N 5 E 3 S 1 W 2	3 2 5 2	SM	A: 30.6 R: 3.12	Fair	C: Fair S: Fair B: Good	Stem leans north. overtopped by neighbouring trees	**C.1** 10 to 20 yrs
128											
Sycamore *Acer pseudoplatanus*	16	3	582 (Eq)	N 6 E 5 S 6 W 6	5 5 5 5	M	A: 153.5 R: 6.99	Good	C: Fair S: Fair B: Good	Multi stemmed from 1m. Major deadwood in crown	**B.1.2** 20 to 40 yrs
129											
Sycamore *Acer pseudoplatanus*	15	2	396 (Eq)	N 5 E 5 S 5 W 4	5 3 5 5	M	A: 70.9 R: 4.75	Fair	C: Fair S: Fair B: Good	2 co-dominant stems from 0.7m. Stems are entwined to 2m, tight union between stems	**B.1** 20 to 40 yrs

Age Classifications: N Newly planted; Y Young; SM Semi-mature; EM Early Mature; M Mature; OM Over Mature

Condition: C Crown; S Stem; B Basal area

Stems: Ø Diameter; (Eq) Equivalent stem diameter using BS5837:2012 definition

ERC: Estimated Remaining Contributio

Tree and Tag No Species	Hght (m)	Stems No	Stems Ø (mm)	Crown Spread (m)	Crown Clear (m)	Age	RP A (m²) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations Survey Comment	Cat ERC
130											
Common Hawthorn *Crataegus monogyna*	4	2	142 (Eq)	N 2 E 2 S 2 W 2	2 2 2 2	SM	A: 9.1 R: 1.7	Fair	C: Fair S: Fair B: Fair	2 co-dominant stems from base	C.1 10 to 20 yrs
131											
Sycamore *Acer pseudoplatanus*	0	1	270	N 5 E 4 S 4 W 4	3 3 3 2	SM	A: 33 R: 3.24	Fair	C: Fair S: Fair B: Good	2 co-dominant stems from 2m.	B.1 20 to 40 yrs
132											
Prunus *Prunus Spp.*	7	1	220	N 3 E 3 S 4 W 4	2 2 2 2	SM	A: 21.9 R: 2.64	Fair	C: Fair S: Good B: Good	Single straight stem	B.1 20 to 40 yrs
133											
Prunus *Prunus Spp.*	4	1	110	N 2 E 0 S 2 W 2	2 2 2 2	Y	A: 5.5 R: 1.32	Fair	C: Fair S: Fair B: Fair		C.1 10 to 20 yrs
134											
Field Maple *Acer campestre*	7	2	216 (Eq)	N 3 E 3 S 3 W 3	2 3 3 3	SM	A: 21.2 R: 2.59	Fair	C: Fair S: Fair B: Good	2 co-dominant stems from 0.5m, tight union between stems	C.1 10 to 20 yrs
135											
Sycamore *Acer pseudoplatanus*	7	3	255 (Eq)	N 4 E 4 S 4 W 4	3 3 3 3	SM	A: 29.4 R: 3.05	Fair	C: Fair S: Fair B: Good	Multi stemmed from base	B.1 20 to 40 yrs

Age Classifications: N Newly planted; Y Young; SM Semi-mature; EM Early Mature; M Mature; OM Over Mature

Condition: C Crown; S Stem; B Basal area

Stems: Ø Diameter; (Eq) Equivalent stem diameter using BS5837:2012 definition

ERC: Estimated Remaining Contributio

Tree and Tag No Species	Hght (m)	Stems No	Stems Ø (mm)	Crown Spread (m)	Crown Clear (m)	Age	RP A (m²) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations Survey Comment	Cat ERC
136											
Prunus *Prunus Spp.*	7	2	233 (Eq)	N 3 E 3 S 3 W 4	2 3 2 2	SM	A: 24.7 R: 2.8	Fair	C: Fair S: Fair B: Good	2 co-dominant stems from 1m	**B.1** 20 to 40 yrs
137											
Field Maple *Acer campestre*	6	1	180	N 3 E 3 S 3 W 3	3 3 3 2	SM	A: 14.7 R: 2.16	Fair	C: Fair S: Good B: Good		**B.1** 20 to 40 yrs
138											
Common Hornbeam *Carpinus betulus*	8	1	190	N 3 E 3 S 3 W 3	2 2 2 2	SM	A: 16.3 R: 2.27	Good	C: Fair S: Good B: Good	Previously crown lifted	**B.1** 20 to 40 yrs
139											
Common Hornbeam *Carpinus betulus*	8	2	306 (Eq)	N 3 E 3 S 3 W 3	2 2 2 2	SM	A: 42.4 R: 3.67	Good	C: Fair S: Fair B: Good	Ivy on stem to 3/4 height	**B.1** 20 to 40 yrs
140											
Common Hornbeam *Carpinus betulus*	6	2	192 (Eq)	N 3 E 1 S 3 W 4	2 2 2 2	SM	A: 16.7 R: 2.3	Fair	C: Fair S: Fair B: Good	2 co dominant stems from 1.3m. Crown suppressed by hedgerow	**C.1** 10 to 20 yrs
141											
Common Hornbeam *Carpinus betulus*	4	2	92 (Eq)	N 2 E 1 S 2 W 3	2 2 2 2	Y	A: 3.8 R: 1.09	Fair	C: Fair S: Fair B: Good	Crown suppressed by neighbouring hedgerow	**C.1** 10 to 20 yrs

Age Classifications: N Newly planted; Y Young; SM Semi-mature; EM Early Mature; M Mature; OM Over Mature

Condition: C Crown; S Stem; B Basal area

Stems: Ø Diameter; (Eq) Equivalent stem diameter using BS5837:2012 definition

ERC: Estimated Remaining Contributio

Tree and Tag No Species	Hght (m)	Stems No	Stems Ø (mm)	Crown Spread (m)	Crown Clear (m)	Age	RP A (m²) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations Survey Comment	Cat ERC
142											
Silver Birch *Betula pendula*	9	1	180	N 2 4 E 3 2 S 2 2 W 1 4		SM	A: 14.7 R: 2.16	Fair	C: Fair S: Fair B: Good	Crown suppressed by neighbouring trees	**B.1** 20 to 40 yrs
143											
Common Ash *Fraxinus excelsior*	7	1	70	N 2 2 E 1 2 S 1 2 W 2 2		Y	A: 2.2 R: 0.83	Good	C: Fair S: Good B: Good		**C.1** 10 to 20 yrs
144											
Silver Birch *Betula pendula*	8	1	130	N 2 3 E 2 3 S 1 3 W 1 3		SM	A: 7.6 R: 1.55	Poor	C: Fair S: Good B: Good	Discolored foliage throughout crown	**C.1** 10 to 20 yrs
145											
Common Alder *Alnus glutinosa*	10	1	200	N 2 4 E 3 3 S 3 3 W 3 4		SM	A: 18.1 R: 2.4	Good	C: Fair S: Good B: Good		**B.1** 20 to 40 yrs
146											
Common Ash *Fraxinus excelsior*	7	1	110	N 2 3 E 2 3 S 2 3 W 2 3		Y	A: 5.5 R: 1.32	Fair	C: Fair S: Good B: Good	Minor deadwood in crown	**C.1** 10 to 20 yrs
147											
Common Ash *Fraxinus excelsior*	6	1	120	N 2 3 E 1 3 S 2 3 W 2 3		Y	A: 6.5 R: 1.43	Fair	C: Fair S: Good B: Good	Crown suppressed by neighbouring trees	**C.1** 10 to 20 yrs

Age Classifications: N Newly planted; Y Young; SM Semi-mature; EM Early Mature; M Mature; OM Over Mature

Condition: C Crown; S Stem; B Basal area

Stems: Ø Diameter; (Eq) Equivalent stem diameter using BS5837:2012 definition

ERC: Estimated Remaining Contributio

Tree and Tag No Species	Hght (m)	Stems No	Stems Ø (mm)	Crown Spread (m)	Crown Clear (m)	Age	RP A (m²) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations Survey Comment	Cat ERC
148											
Common Ash *Fraxinus excelsior*	6	1	100	N 2 3 E 1 3 S 2 3 W 2 3		Y	A: 4.5 R: 1.19	Fair	C: Fair S: Fair B: Good		C.1 10 to 20 yrs
149											
Field Maple *Acer campestre*	7	1	130	N 3 2 E 2 2 S 2 2 W 2 2		SM	A: 7.6 R: 1.55	Good	C: Fair S: Fair B: Good		C.1 10 to 20 yrs
150											
Silver Birch *Betula pendula*	7	1	130	N 2 2 E 4 2 S 1 4 W 2 4		SM	A: 7.6 R: 1.55	Fair	C: Fair S: Fair B: Good	Discolored foliage in crown. Crown suppressed by neighbouring trees	C.1 10 to 20 yrs
151											
Silver Birch *Betula pendula*	10	2	200 (Eq)	N 3 2 E 4 2 S 3 2 W 3 4		SM	A: 18.1 R: 2.4	Fair	C: Fair S: Fair B: Good	2 co dominant stems from 0.6m. Discolored foliage in crown.	C.1 10 to 20 yrs
152											
Field Maple *Acer campestre*	6	2	108 (Eq)	N 2 2 E 2 2 S 2 2 W 2 2		Y	A: 5.3 R: 1.29	Good	C: Fair S: Fair B: Fair	Twin stemmed from base	C.1 10 to 20 yrs
153											
Field Maple *Acer campestre*	7	1	110	N 2 2 E 2 2 S 2 2 W 3 2		Y	A: 5.5 R: 1.32	Fair	C: Fair S: Fair B: Fair		C.1 10 to 20 yrs

Age Classifications: N Newly planted; Y Young; SM Semi-mature; EM Early Mature; M Mature; OM Over Mature

Condition: C Crown; S Stem; B Basal area

Stems: Ø Diameter; (Eq) Equivalent stem diameter using BS5837:2012 definition

ERC: Estimated Remaining Contributio

Tree and Tag No Species	Hght (m)	Stems No	Stems Ø (mm)	Crown Spread (m)	Crown Clear (m)	Age	RP A (m²) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations Survey Comment	Cat ERC
154											
Field Maple *Acer campestre*	9	2	184 (Eq)	N 2 E 3 S 2 W 3	2 2 2 2	SM	A: 15.3 R: 2.2	Fair	C: Fair S: Fair B: Good	2 co-dominant stems from 1.4m	C.1 10 to 20 yrs
155											
Common Ash *Fraxinus excelsior*	9	1	150	N 2 E 2 S 2 W 3	2 2 2 2	Y	A: 10.2 R: 1.8	Good	C: Fair S: Good B: Good	Single straight stem	C.1 10 to 20 yrs
156											
Common Ash *Fraxinus excelsior*	8	1	110	N 1 E 0 S 2 W 3	5 5 3 3	Y	A: 5.5 R: 1.32	Fair	C: Fair S: Good B: Good	Crown suppressed by neighbouring trees	C.1 10 to 20 yrs
157											
Field Maple *Acer campestre*	8	2	134 (Eq)	N 2 E 1 S 2 W 3	3 3 3 3	Y	A: 8.1 R: 1.6	Fair	C: Fair S: Fair B: Good	Crown suppressed by neighbouring trees	C.1 10 to 20 yrs
158											
Field Maple *Acer campestre*	6	1	100	N 1 E 2 S 1 W 0	3 3 3 5	Y	A: 4.5 R: 1.19	Fair	C: Fair S: Fair B: Fair	Crown suppressed by neighbouring trees	C.1 10 to 20 yrs
159											
Field Maple *Acer campestre*	7	2	170 (Eq)	N 2 E 3 S 2 W 2	2 2 3 3	Y	A: 13 R: 2.03	Fair	C: Fair S: Fair B: Good	2 co-dominant stems from 0.4m	C.1 10 to 20 yrs

Age Classifications: N Newly planted; Y Young; SM Semi-mature; EM Early Mature; M Mature; OM Over Mature

Condition: C Crown; S Stem; B Basal area

Stems: Ø Diameter; (Eq) Equivalent stem diameter using BS5837:2012 definition

ERC: Estimated Remaining Contributio

Tree and Tag No Species	Hght (m)	Stems No	Stems Ø (mm)	Crown Spread (m)	Crown Clear (m)	Age	RP A (m²) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations Survey Comment	Cat ERC
160											
Common Ash *Fraxinus excelsior*	5	1	70	N 1 2 E 3 2 S 1 2 W 1 4		Y	A: 2.2 R: 0.83	Fair	C: Fair S: Fair B: Fair	Stem leans east. Crown suppressed by neighbouring trees	C.1 10 to 20 yrs
161											
Silver Birch *Betula pendula*	12	1	270	N 3 2 E 3 2 S 3 2 W 3 2		M	A: 33 R: 3.24	Good	C: Fair S: Good B: Good		B.1 20 to 40 yrs
162											
Common Ash *Fraxinus excelsior*	7	1	120	N 2 4 E 2 5 S 2 2 W 2 2		Y	A: 6.5 R: 1.43	Good	C: Fair S: Good B: Good		C.1 10 to 20 yrs
163											
Common Ash *Fraxinus excelsior*	8	1	170	N 3 2 E 2 2 S 3 2 W 3 2		SM	A: 13.1 R: 2.04	Good	C: Fair S: Good B: Good	Minor deadwood in crown	B.1 20 to 40 yrs
164											
Silver Birch *Betula pendula*	9	1	160	N 2 4 E 2 4 S 2 4 W 1 4		SM	A: 11.6 R: 1.92	Good	C: Fair S: Good B: Good	Crown suppressed by neighbouring trees	B.1 20 to 40 yrs
165											
Silver Birch *Betula pendula*	9	1	150	N 2 5 E 1 5 S 2 5 W 3 5		SM	A: 10.2 R: 1.8	Fair	C: Fair S: Good B: Good	Stem leans west. Crown suppressed by neighbouring trees	C.1 10 to 20 yrs

Age Classifications: N Newly planted; Y Young; SM Semi-mature; EM Early Mature; M Mature; OM Over Mature

Condition: C Crown; S Stem; B Basal area

Stems: Ø Diameter; (Eq) Equivalent stem diameter using BS5837:2012 definition

ERC: Estimated Remaining Contributio

Tree and Tag No / Species	Hght (m)	Stems No	Stems Ø (mm)	Crown Spread (m)	Crown Clear (m)	Age	RP A (m²) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations / Survey Comment	Cat ERC
166											
Common Ash *Fraxinus excelsior*	8	1	140	N 2 E 2 S 2 W 2	2 2 2 2	Y	A: 8.9 R: 1.68	Good	C: Fair S: Good B: Good		C.1 10 to 20 yrs
167											
Silver Birch *Betula pendula*	12	1	200	N 3 E 3 S 2 W 3	5 5 5 5	SM	A: 18.1 R: 2.4	Fair	C: Fair S: Good B: Good	Discolored foliage in crown	B.1 20 to 40 yrs
168											
Common Ash *Fraxinus excelsior*	8	2	99 (Eq)	N 1 E 1 S 2 W 2	6 6 6 6	Y	A: 4.4 R: 1.18	Fair	C: Fair S: Fair B: Fair	2 co-dominant stems from 1m	C.1 10 to 20 yrs
169											
Silver Birch *Betula pendula*	12	1	180	N 3 E 3 S 3 W 3	4 4 4 4	SM	A: 14.7 R: 2.16	Fair	C: Fair S: Good B: Good	Discolored foliage in crown	B.1 20 to 40 yrs
170											
Field Maple *Acer campestre*	5	1	100	N 2 E 2 S 1 W 2	2 3 3 2	Y	A: 4.5 R: 1.19	Fair	C: Fair S: Good B: Good	Crown suppressed by neighbouring trees	C.1 10 to 20 yrs
171											
Common Ash *Fraxinus excelsior*	9	1	130	N 2 E 2 S 2 W 2	6 6 6 6	Y	A: 7.6 R: 1.55	Fair	C: Fair S: Good B: Good		C.1 10 to 20 yrs

Age Classifications: N Newly planted; Y Young; SM Semi-mature; EM Early Mature; M Mature; OM Over Mature

Condition: C Crown; S Stem; B Basal area

Stems: Ø Diameter; (Eq) Equivalent stem diameter using BS5837:2012 definition

ERC: Estimated Remaining Contributio

Tree and Tag No Species	Hght (m)	Stems No	Stems Ø (mm)	Crown Spread (m)	Crown Clear (m)	Age	RP A (m²) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations Survey Comment	Cat ERC
172											
Field Maple *Acer campestre*	6	2	141 (Eq)	N 3 E 3 S 1 W 1	2 2 2 2	Veteran	A: 9 R: 1.69	Fair	C: Fair S: Fair B: Good	2 co-dominant stems from 0.6m	C.1 10 to 20 yrs
173											
Common Ash *Fraxinus excelsior*	9	1	120	N 2 E 3 S 1 W 1	5 3 5 5	Y	A: 6.5 R: 1.43	Fair	C: Fair S: Good B: Good	Crown suppressed by neighbouring trees	C.1 10 to 20 yrs
174											
Common Oak *Quercus robur*	8	1	110	N 2 E 2 S 2 W 2	2 2 2 2	Y	A: 5.5 R: 1.32	Good	C: Fair S: Good B: Good	Minor deadwood in lower crown	C.1 10 to 20 yrs
175											
Silver Birch *Betula pendula*	12	1	200	N 3 E 3 S 3 W 3	2 2 2 4	SM	A: 18.1 R: 2.4	Good	C: Fair S: Good B: Good		B.1 20 to 40 yrs
176											
Silver Birch *Betula pendula*	9	1	190	N 3 E 3 S 2 W 3	4 5 5 5	SM	A: 16.3 R: 2.27	Fair	C: Fair S: Good B: Good	Crown suppressed by neighbouring trees	B.1 20 to 40 yrs
177											
Common Ash *Fraxinus excelsior*	8	1	130	N 2 E 2 S 2 W 3	3 3 3 2	Y	A: 7.6 R: 1.55	Good	C: Fair S: Good B: Good		C.1 10 to 20 yrs

Age Classifications: N Newly planted; Y Young; SM Semi-mature; EM Early Mature; M Mature; OM Over Mature

Condition: C Crown; S Stem; B Basal area

Stems: Ø Diameter; (Eq) Equivalent stem diameter using BS5837:2012 definition

ERC: Estimated Remaining Contributio

Tree and Tag No / Species	Hght (m)	Stems No	Stems Ø (mm)	Crown Spread (m)	Crown Clear (m)	Age	RP A (m²) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations / Survey Comment	Cat ERC
178											
Field Maple *Acer campestre*	8	1	150	N 3 E 2 S 2 W 3	3 3 3 3	SM	A: 10.2 R: 1.8	Fair	C: Fair S: Good B: Good	Crown suppressed by neighbouring trees	C.1 10 to 20 yrs
179											
Common Ash *Fraxinus excelsior*	9	1	130	N 2 E 1 S 1 W 2	7 7 7 7	Y	A: 7.6 R: 1.55	Fair	C: Fair S: Good B: Good	Crown suppressed by neighbouring trees	C.1 10 to 20 yrs
180											
Silver Birch *Betula pendula*	11	1	190	N 2 E 2 S 2 W 3	4 5 2 2	SM	A: 16.3 R: 2.27	Good	C: Fair S: Good B: Good	Single straight stem	B.1 20 to 40 yrs
181											
Silver Birch *Betula pendula*	10	1	110	N 2 E 2 S 2 W 1	3 3 2 3	SM	A: 5.5 R: 1.32	Fair	C: Fair S: Fair B: Good	Stem sweeps east at base	C.1 10 to 20 yrs
182											
Silver Birch *Betula pendula*	13	1	180	N 2 E 3 S 2 W 2	3 2 4 6	SM	A: 14.7 R: 2.16	Good	C: Fair S: Good B: Good	Crown suppressed by neighbouring trees	B.1 20 to 40 yrs
183											
Common Ash *Fraxinus excelsior*	9	1	120	N 1 E 1 S 2 W 2	6 6 6 6	Y	A: 6.5 R: 1.43	Fair	C: Fair S: Good B: Good	Crown suppressed by neighbouring trees	C.1 10 to 20 yrs

Age Classifications: N Newly planted; Y Young; SM Semi-mature; EM Early Mature; M Mature; OM Over Mature

Condition: C Crown; S Stem; B Basal area

Stems: Ø Diameter; (Eq) Equivalent stem diameter using BS5837:2012 definition

ERC: Estimated Remaining Contributio

Tree and Tag No Species	Hght (m)	Stems No	Stems Ø (mm)	Crown Spread (m)	Crown Clear (m)	Age	RP A (m²) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations Survey Comment	Cat ERC
184											
Silver Birch *Betula pendula*	12	1	250	N 2 3 E 4 2 S 2 3 W 2 4		SM	A: 28.3 R: 3	Good	C: Fair S: Good B: Good	Crown suppressed by neighbouring trees	**B.1** 20 to 40 yrs
185											
Silver Birch *Betula pendula*	10	1	140	N 1 3 E 3 1 S 2 3 W 2 4		SM	A: 8.9 R: 1.68	Fair	C: Fair S: Fair B: Good	Stem leans east. crown suppressed by neighbouring trees	**C.1** 10 to 20 yrs
186											
Field Maple *Acer campestre*	12	3	208 (Eq)	N 2 3 E 3 2 S 3 3 W 2 3		SM	A: 19.6 R: 2.49	Good	C: Fair S: Fair B: Good	Multi stemmed from 0.4m	**B.1** 20 to 40 yrs
187											
Silver Birch *Betula pendula*	8	1	120	N 0 4 E 1 8 S 2 2 W 1 4		Y	A: 6.5 R: 1.43	Decline	C: Poor S: Fair B: Fair	Sparse & discoloured foliage throughout crown. Crown suppressed by neighbouring trees	**U** <10 yrs
188											
Silver Birch *Betula pendula*	10	1	110	N 1 3 E 1 2 S 3 2 W 2 2		Y	A: 5.5 R: 1.32	Fair	C: Fair S: Fair B: Good	Discoloured foliage in crown.	**C.1** 10 to 20 yrs
189											
Silver Birch *Betula pendula*	10	3	164 (Eq)	N 2 3 E 2 4 S 3 2 W 3 2		SM	A: 12.2 R: 1.97	Fair	C: Fair S: Fair B: Good	Multi stemmed from 1m.	**B.1** 20 to 40 yrs

Age Classifications: N Newly planted; Y Young; SM Semi-mature; EM Early Mature; M Mature; OM Over Mature

Condition: C Crown; S Stem; B Basal area

Stems: Ø Diameter; (Eq) Equivalent stem diameter using BS5837:2012 definition

ERC: Estimated Remaining Contributio

Tree and Tag No Species	Hght (m)	Stems No	Stems Ø (mm)	Crown Spread (m)	Crown Clear (m)	Age	RP A (m²) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations Survey Comment	Cat ERC
190											
Common Ash *Fraxinus excelsior*	11	1	150	N 2 E 1 S 3 W 3	2 3 3 2	SM	A: 10.2 R: 1.8	Good	C: Fair S: Good B: Good	Minor deadwood in crown	C.1 10 to 20 yrs
191											
Common Oak *Quercus robur*	13	1	270	N 3 E 4 S 5 W 2	5 5 5 5	SM	A: 33 R: 3.24	Fair	C: Fair S: Fair B: Good	Major deadwood in crown. ivy on stem to 3/4 height	B.1 20 to 40 yrs

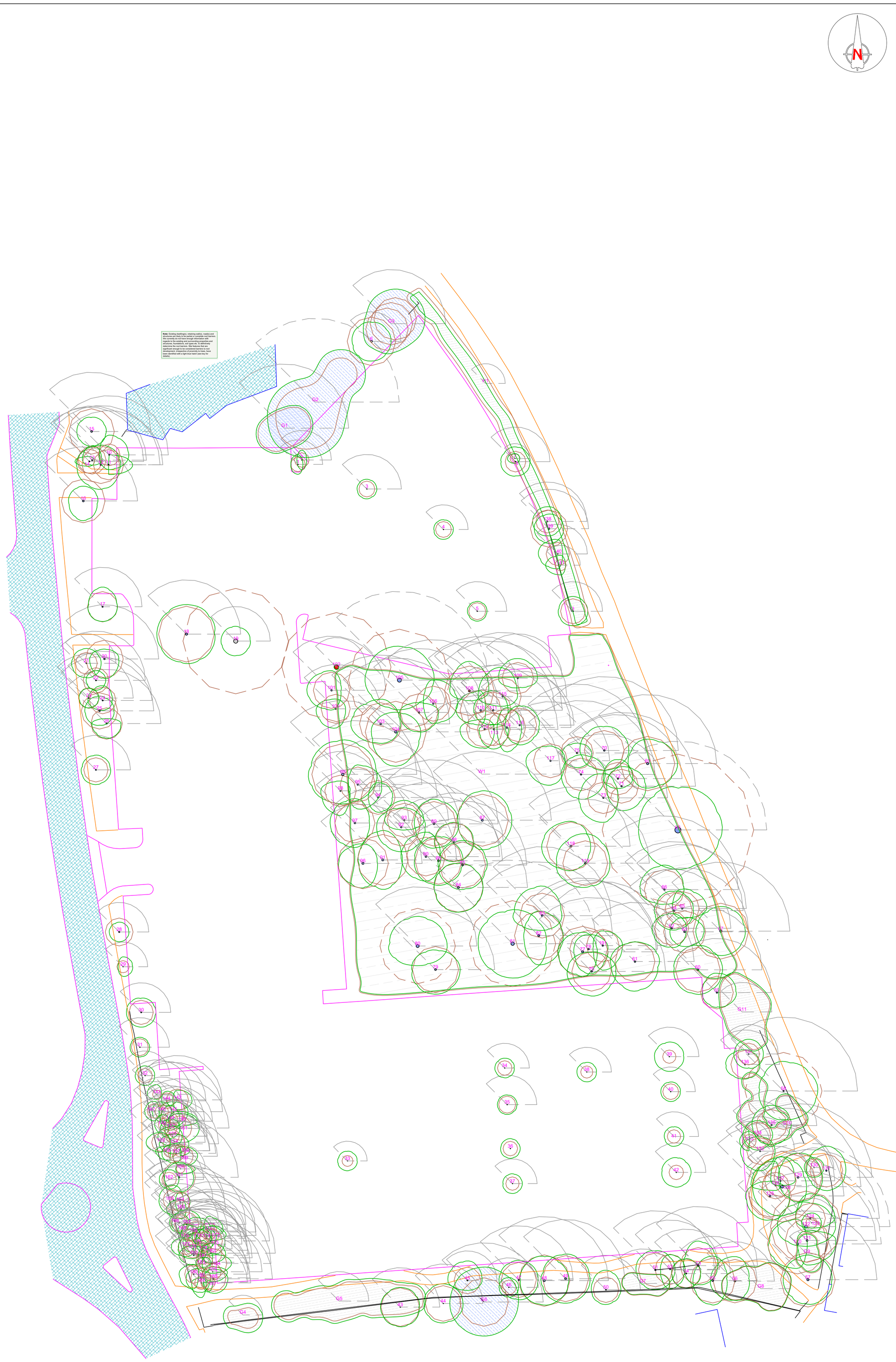
Age Classifications: N Newly planted; Y Young; SM Semi-mature; EM Early Mature; M Mature; OM Over Mature

Condition: C Crown; S Stem; B Basal area

Stems: Ø Diameter; (Eq) Equivalent stem diameter using BS5837:2012 definition

ERC: Estimated Remaining Contributio

Appendix 2: Tree Constraints Plan



Tree Categories

Trees are categorised in accordance with the cascade chart in Table 1 of the British Standard BS 5837:2012 'Trees in relation to design, demolition and construction - Recommendations'

Category 'U' - Trees in such condition that they cannot realistically be retained as living trees in context of the current land use for longer than 10 years.
Category 'A' - Trees of high quality with an estimated remaining life expectancy of at least 40 years.
Category 'B' - Trees of moderate quality with an estimated remaining life expectancy of at least 20 years.
Category 'C' - Trees of low quality with an estimated remaining life expectancy of at least 10 years, or young trees with a stem diameter below 150mm.

Root Protection Area

In order to avoid damage to the roots or rooting environment of retained trees, the Root Protection Areas (RPAs) should be plotted around each of the category A, B and C trees. This is a minimum area in m² which should be left undisturbed around each retained tree.

The RPA is calculated using the British Standard BS 5837:2012 'Trees in relation to design, demolition and construction - Recommendations.

The calculated RPA is capped to 707m², which is the equivalent to a circle with a radius of 15m. Where there appears to be restrictions to root growth the root protection area is reshaped to more accurately reflect the likely distribution of the roots.

Tree Survey Report

Please refer to Arbtech Consulting Ltd. Tree Survey Report and Tree Schedule for full details on all surveyed trees, hedgerows and major shrub groups.
All trees were surveyed and categorised in accordance with the guidance as set out in the British Standard BS5837:2012 Tree in relation to design, demolition and construction - Recommendations.

We make the following recommendation to ensure that no conditions relating to arboriculture are attached to any planning consent secured: obtain an arboricultural report to include:

a) An arboricultural impact assessment (AIA);
b) An arboricultural method statement (AMS); and
c) A tree protection plan (TPP).

ARBTECH

Unit 3, Well House Barns, Chester, CH4 0DH
https://arbtech.co.uk, 01244 661170

Project:
De Montfort Way
Coventry
West Midlands

Client:
Park Hood UK

Drawing:
Tree Constraints Plan

Based on:
17080T

Drawing No:	Rev:
Arbtech TCP 01	A

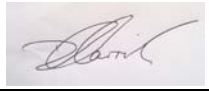
Date:	Scale:	Drawn:
JUL 2018	1:400 @ A1	DCG

Key:

Tree Nos.:	1	Tree Canopies:		Trunks:	
RPAs:		Category 'U' trees:		Category 'U' groups:	
Category 'A' trees:		Category 'A' groups:		Category 'B' trees:	
Category 'B' groups:		Category 'C' trees:		Category 'C' groups:	
Generic notional shading arc:		Potential root barriers:			

ARBTECH

Document Production Record

Document number	Editor	Signature	Position	Issue number	Date
Arbtech TSR 01	David Garrick		Consultant	01	24/11/2016

Limitations

Arbtech Consulting Ltd has prepared this Report for the sole use of the above-named Client/Agent in accordance with our terms of business, under which our services were performed. No other warranty, expressed or implied, is made as to the professional advice included in this Report or any other services provided by us. This Report may not be relied upon by any other party without the prior and express written agreement of Arbtech Consulting Ltd. The assessments made assume that the sites and facilities will continue to be used for their current purpose without significant change. The conclusions and recommendations contained in this Report are based upon information provided by others and upon the assumption that all relevant information has been provided by those parties from whom it has been requested. Information obtained from third parties has not been independently verified by Arbtech Consulting Ltd.

Copyright