



**BS5837:2012**

**Trees in relation to design, demolition and construction –  
Recommendations**

## **Tree Survey**

**Anthony Jane Architecture and Interiors**

Canfield Moat,  
High Cross Lane West,  
Little Canfield,  
Dunmow,  
Essex,  
CM6 1TD

**3 September 2020**

Author: Jon Hartley BSc(Hons) MArborA

## Introduction

Arbtech Consulting Limited (Arbtech) received written instruction on 04/08/20 from Anthony Jane Architecture and Interiors to attend Canfield Moat, High Cross Lane West, Little Canfield, Dunmow, Essex, CM6 1TD (site) to undertake an arboricultural survey a 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 and Tree Constraints Plan.

I am Jon Hartley, an arboricultural surveyor at Arbtech Consulting Ltd. I undertook the tree survey on 27/08/20-31/08/20 and subsequently, have produced this summary of my findings.

I passed the RFS Certificate of Arboriculture in 2000 after a short time working in the industry. During a six-year spell in Australia, I passed the Australian Qualifications Framework (AQF) level 5 Diploma in arboriculture. I also now hold a BSc(Hons) degree in Arboriculture and Urban Forestry and the obligatory LANTRA Professional Tree Inspector certification. I benefit from professional industry experience spanning 20 years. I have professional memberships with the Consulting Arborist Society and the Arboricultural Association and an associate membership with the Institute of Chartered Foresters.

The advice below and appended is underwritten by our Professional Indemnity insurance for the business practice of Arboricultural Consultancy in the sum of one million Pounds Sterling in each and every claim.

**Table 1: Documents referred to.**

Document	Reference No.
Survey base drawing – Topographical Survey	THESU-J-0013
LPA pre-app comments	N/A
British Standard 5837:2012	“BS5837”
Tree Survey Schedule	Arbtech TS 01
Tree Constraints Plan	Arbtech TCP 01

## Tree Survey

Survey: An arboricultural survey to BS5837 of all trees within impacting distance of the site was undertaken by Jon Hartley on 27/08/20-31/08/20.

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

A total of 168No. individual trees; 17No. groups of trees; 10No hedges and 1No woodland group were surveyed. Details for each of the trees surveyed are provided in the Schedule of Trees (see Appendix 2).

**Table 2: Documents upon which this tree survey has been based.**

Document	Originator	Reference Number	Title
Topographical Survey	The Survey House	THESU-J-0013	Topographical Survey

**Limitations:** The survey was made at ground level using visual observation only. Detailed examinations, such as climbing inspections and decay detection equipment were not employed, though may form part of the survey’s management recommendations. Measurements were taken using specialist tapes, laser and GPS devices. Where this was not possible, measurements are estimated.

**Scope:** Pre-development tree surveys make arboricultural management recommendations based exclusively upon the individual tree or group of trees condition relative to their present context (*i.e. not in relation to the proposed development*).

**Legal Status:** No statutory protection check has been performed. 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.

\* For more information on the surveyed trees please see Arbtech Consulting Ltd, Tree Survey Schedule (Appendix 1), Tree Survey Report and Tree Constraints Plan.

**Site description**

The site is broadly level in topography. The main dwelling is substantial and has a number of existing outbuildings, a swimming pool and tennis court. It is situated to the east of a farm complex and separated from High Cross Lane Way by a field to the west, and arable land to all other boundaries.



Figure 1: Existing Site Plan (Anthony Jane)



**Figure 2: Topographical Survey (TSH)**

It is proposed to develop specific areas of the site to add dwellings in keeping with the style and land use of what may be expected within the grounds of dwelling of this stature

It is likely that arboricultural impacts can be addressed with suitable design and arboricultural methodology.

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## 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.

## Methodology

The methodology used to assess the trees was the British Standard 5837:2012 'Trees in Relation to Construction' 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 arboriculturist 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 arboriculturist 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 meters (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 meters taken at the four cardinal compass points;
- VI. height of crown clearance above adjacent ground level in meters (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 subcategory referring to the type of amenity; 1 = Arboricultural; 2 = Landscape; 3 = Cultural including conservation (see Table 1 Cascade chart for tree quality assessment).

## Definitions

### Arboriculturist

An arboriculturist (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 arboriculturist 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 a plan, typically delivered as an AutoCAD drawing (.dxf or .dwg file format), prepared by an arboriculturist 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<sup>2</sup>.

### Construction Exclusion Zone (also termed Tree Protection Zone)

A construction exclusion or tree protection zone is an area based on the RPA (in m<sup>2</sup>), identified by an arboriculturist, 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 arboriculturist, 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 a plan, typically delivered as an AutoCAD drawing (.dwg file format), prepared by an arboriculturist 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.

## Recommendations

We have not seen the proposed scheme and make the following recommendation to ensure that there are no irrevocable issues to the proposed retained trees and so 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 (.dwg/.dxf & .pdf)

If you require clarification of information contained herein, please do not hesitate to contact us via [REDACTED]

Yours Sincerely,

[REDACTED]

Jon Hartley BSc(Hons) MArborA  
Senior Consultant

[REDACTED]

## Appendix 1: Table 1 Cascade chart for tree quality assessment

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## 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)				
<b>Category U</b>  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	<ul style="list-style-type: none"> <li>• 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)</li> <li>• Trees that are dead or are showing signs of significant, immediate, and irreversible overall decline</li> <li>• 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</li> </ul> <p><i>NOTE Category U trees can have existing or potential conservation value which might be desirable to preserve; see 4.5.7.</i></p>			Dark red
	<b>1 Mainly arboricultural qualities</b>	<b>2 Mainly landscape qualities</b>	<b>3 Mainly cultural values, including conservation</b>	
<b>Trees to be considered for retention</b>				
<b>Category A</b>  <b>Trees of high quality</b> with an estimated remaining life expectancy of at least 40 years	Trees that are particularly good examples of their species, especially if rare or unusual; or those that are essential components of groups or formal or semi-formal arboricultural features (e.g. the dominant and/or principal trees within an avenue)	Trees, groups or woodlands of particular visual importance as arboricultural and/or landscape features	Trees, groups or woodlands of significant conservation, historical, commemorative or other value (e.g. veteran trees or wood-pasture)	Light green
<b>Category B</b>  <b>Trees of moderate quality</b> 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
<b>Category C</b>  <b>Trees of low quality</b> 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

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## Appendix 2: Schedule of Trees

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## BS5837:2012 Tree Survey

**Arbtech Consulting Ltd.**

Client: Anthony Jane Architecture and Interiors  
 Project: Canfield Moat, High Cross Lane West, Little Canfield, Dunmo  
 Survey Date: 27/08/2020 - 31/08/2020  
 Surveyor: Jon Hartley



Unit 3, Well House Barns,  
 Chester Road,  
 Chester  
 CH4 0DH  
 Phone: 01244 661170  
 email@arbtech.co.uk`

Tree and Tag No Species	Hght (m)	Stems		Crown		Age	RP A (m <sup>2</sup> ) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations Survey Comment	Cat ERC
		No	Ø (mm)	Spread (m)	Clear (m)						
Estimated Measurements											
G001											
A Group <i>See comments for details</i>	7	1	300	N	5	2	M	A: 40.7 R: 3.59	Good	C: Good S: Good B: Fair	Group of cherry laurel.
				E	5	2					<b>C.1</b> 20+ yrs
				S	5	2					
				W	5	2					
Estimated Measurements											
G002											
Various <i>See comments for details</i>	6	1	180	N	2.5	0	SM	A: 14.7 R: 2.16	Good	C: Good S: Good B: Good	Mixed species boundary group including plum, cherry laurel; dimensions recorded are indicative of the individuals within the group; form a valuable screen to the adjacent road.
				E	2.5	0					<b>C.1.2</b> 20+ yrs
				S	2.5	0					
				W	2.5	0					
Estimated Measurements											
G003											
Various <i>See comments for details</i>	16	1	400	N	5	3	M	A: 72.4 R: 4.8	Good	C: Good S: Good B: Good	Mixed species group of predominantly field maple with one sycamore; dimensions recorded are the largest represented within the group.
				E	5	3					<b>B.1.2</b> 40+ yrs
				S	5	3					
				W	5	3					
Estimated Measurements											
G004											
Various <i>See comments for details</i>	6	1	100	N	3	2	SM	A: 4.5 R: 1.19	Good	C: Fair S: Good B: Good	Understorey group including sycamore, hazel, elder, hawthorn, field maple; dimensions recorded are the largest represented within the group.
				E	3	2					<b>C.1.2</b> 20+ yrs
				S	3	2					
				W	3	2					
<b>Age Classifications:</b>	N	Newly planted	EM	Early Mature	<b>Condition:</b>	C	Crown	<b>Stems:</b>	Ø	Diameter	
	Y	Young	M	Mature		S	Stem		(Eq)	Equivalent stem diameter using BS5837:2012 definition	
	SM	Semi-mature	OM	Over Mature		B	Basal area				

Tree and Tag No Species	Hght (m)	Stems		Crown		Age	RP A (m <sup>2</sup> ) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations Survey Comment	Cat ERC	
		No	Ø (mm)	Spread (m)	Clear (m)							
Estimated Measurements												
G005 Various <i>See comments for details</i>	7	1	200	N E S W	3 3 3 3	1 1 1 1	SM A: 18.1 R: 2.4	Good	C: Good S: Good B: Good	Understory boundary group including field maple, sycamore, hazel.	<b>C.1.2</b> 20+ yrs	
Estimated Measurements												
G006 A Group <i>See comments for details</i>	16	1	300	N E S W	6 6 6 6	2 2 2 2	EM A: 40.7 R: 3.59	Good	C: Good S: Fair B: Good	Boundary group of sycamore; asymmetrical crown distributions of individual trees due to proximity of companion trees.	<b>B.1.2</b> 20+ yrs	
Estimated Measurements												
G007 A Group <i>See comments for details</i>	16	1	300	N E S W	6 6 6 6	2 2 2 2	EM A: 40.7 R: 3.59	Good	C: Good S: Fair B: Good	Boundary group of sycamore and ash asymmetrical crown distributions of individual trees due to proximity of companion trees.	<b>B.1.2</b> 20+ yrs	
Estimated Measurements												
G008 A Group <i>See comments for details</i>	16	1	420	N E S W	3 3 3 4.5	5 5 5 2	EM A: 79.8 R: 5.03	Good	C: Good S: Good B: Good	Group of four sycamore and a Crimson King growing in close proximity to nine another.	<b>B.1</b> 20+ yrs	
Estimated Measurements												
G009 Various <i>See comments for details</i>	12	1	200	N E S W	3 3 3 3	5 5 5 5	EM A: 18.1 R: 2.4	Good	C: Fair S: Fair B: Not visible	Group of four golden robinia; dimensions recorded are indicative of the individuals within the group; under storey of shrubs.	<b>C.1</b> 10+ yrs	
Estimated Measurements												
G010 A Group <i>See comments for details</i>	7	1	140	N E S W	2 2 2 2	2 2 2 2	Y A: 8.9 R: 1.68	Good	C: Good S: Good B: Good	Group of 18No. self seeded cherry.	<b>C.1</b> 20+ yrs	
<b>Age Classifications:</b>	N	Newly planted	EM	Early Mature	<b>Condition:</b>			C	Crown	<b>Stems:</b>	Ø	Diameter
	Y	Young	M	Mature				S	Stem		(Eq)	Equivalent stem diameter using BS5837:2012 definition
	SM	Semi-mature	OM	Over Mature				B	Basal area			

Tree and Tag No Species	Hght (m)	Stems		Crown		Age	RP A (m <sup>2</sup> ) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations Survey Comment	Cat ERC	
		No	Ø (mm)	Spread (m)	Clear (m)							
Estimated Measurements												
G011	6	1	180	N	2	0	M	A: 14.7 R: 2.16	Good	C: Good	Linear off site or boundary group; species include hawthorn, hazel, cherry, elm, blackthorn, elder; dimensions recorded are indicative of the individuals within the group.	<b>B.1.2</b> 20+ yrs
Various				E	2	0				S: Good		
<i>See comments for details</i>				S	2	0				B: Good		
				W	1	2						
Estimated Measurements												
G012	6	1	180	N	2	0	M	A: 14.7 R: 2.16	Good	C: Good	Linear off site or boundary group; species include hawthorn, hazel, cherry, elm, blackthorn, elder; dimensions recorded are indicative of the individuals within the group.	<b>B.1.2</b> 20+ yrs
Various				E	2	0				S: Good		
<i>See comments for details</i>				S	2	0				B: Good		
				W	1	2						
Estimated Measurements												
G013	6	1	250	N	6	0	EM	A: 28.3 R: 3	Good	C: Fair	Linear boundary group of cherry laurel.	<b>C.2</b> 20+ yrs
A Group				E	3	0				S: Good		
<i>See comments for details</i>				S	3	0				B: Fair		
				W	3	0						
Estimated Measurements												
G014	10	1	280	N	3	1	SM	A: 35.5 R: 3.36	Good	C: Good	Linear boundary group including sycamore, holly, cherry laurel, field maple.	<b>B.1.2</b> 40+ yrs
Various				E	3	1				S: Good		
<i>See comments for details</i>				S	3	1				B: Good		
				W	3	1						
Estimated Measurements												
G015	6	1	150	N	2	0	SM	A: 10.2 R: 1.8	Fair	C: Good	Mixed species boundary group including field maple, elm, hawthorn.	<b>C.1.2</b> 20+ yrs
Various				E	2	0				S: Fair		
<i>See comments for details</i>				S	2	0				B: Good		
				W	2	0						
Estimated Measurements												
G016	16	1	560	N	4	4	EM	A: 141.9 R: 6.72	Fair	C: Fair	Group of Leyland cypress; dimensions recorded are the largest represented within the group; stem of the southern most individual is in contact with garage.	<b>C.1</b> 10+ yrs
A Group				E	4	3				S: Fair		
<i>See comments for details</i>				S	4	3				B: Good		
				W	4	5						
<b>Age Classifications:</b>	N	Newly planted	EM	Early Mature	<b>Condition:</b>	C	Crown	<b>Stems:</b>	Ø	Diameter		
	Y	Young	M	Mature		S	Stem		(Eq)	Equivalent stem diameter using BS5837:2012 definition		
	SM	Semi-mature	OM	Over Mature		B	Basal area					

Tree and Tag No Species	Hght (m)	Stems		Crown		Age	RP A (m <sup>2</sup> ) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations Survey Comment	Cat ERC			
		No	Ø (mm)	Spread (m)	Clear (m)									
G017											Estimated Measurements			
Various <i>See comments for details</i>	6	1	120	N	2	1	SM	A: 6.5 R: 1.43	Decline	C: Poor S: Poor B: Poor	Linear boundary group of predominantly blackthorn; many dead individuals.	<b>U</b>  <10 yrs		
H001											Estimated Measurements			
A Hedge <i>See comments for details</i>	2	1	70	N	0.5	0	EM	A: 2.2 R: 0.83	Good	C: Good S: Good B: Good	Regularly maintained formal hedge of cherry laurel.	<b>C.1</b>  10+ yrs		
H002											Estimated Measurements			
A Hedge <i>See comments for details</i>	2	1	70	N	0.5	0	EM	A: 2.2 R: 0.83	Good	C: Good S: Good B: Good	Regularly maintained formal hedge of cherry laurel.	<b>C.1</b>  10+ yrs		
H003											Estimated Measurements			
A Hedge <i>See comments for details</i>	2	1	70	N	0.5	0	EM	A: 2.2 R: 0.83	Good	C: Good S: Good B: Good	Regularly maintained formal hedge of cherry laurel.	<b>C.1</b>  10+ yrs		
H004											Estimated Measurements			
Various <i>See comments for details</i>	3	1	90	N	1	0	SM	A: 3.7 R: 1.08	Good	C: Good S: Good B: Good	Mixed species group including plum, hazel, sycamore; regularly maintained as semiformal hedge.	<b>C.1</b>  20+ yrs		
H005											Estimated Measurements			
Various <i>See comments for details</i>	3	1	90	N	1	0	SM	A: 3.7 R: 1.08	Good	C: Good S: Good B: Good	Mixed species group including plum, hazel, sycamore; regularly maintained as formal hedge.	<b>C.1</b>  20+ yrs		
<b>Age Classifications:</b>	N	Newly planted	EM	Early Mature					<b>Condition:</b>	C	Crown	<b>Stems:</b>	Ø	Diameter
	Y	Young	M	Mature						S	Stem		(Eq)	Equivalent stem diameter using BS5837:2012 definition
	SM	Semi-mature	OM	Over Mature						B	Basal area			

Tree and Tag No Species	Hght (m)	Stems		Crown		Age	RP A (m <sup>2</sup> ) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations Survey Comment	Cat ERC		
		No	Ø (mm)	Spread (m)	Clear (m)								
H006										Estimated Measurements			
A Hedge <i>See comments for details</i>	2.5	1	60	N	0.5	0	Y	A: 1.6 R: 0.71	Good	C: Good S: Good B: Good	Linear group of field maple; regularly maintained as a formal hedge.  20+ yrs	<b>C.1</b>	
H007										Estimated Measurements			
A Hedge <i>See comments for details</i>	2.5	1	60	N	0.5	0	Y	A: 1.6 R: 0.71	Good	C: Good S: Good B: Good	Linear group of field maple; regularly maintained as a formal hedge.  20+ yrs	<b>C.1</b>	
H008										Estimated Measurements			
A Hedge <i>See comments for details</i>	2	1	70	N	0.5	0	EM	A: 2.2 R: 0.83	Good	C: Good S: Good B: Good	Regularly maintained formal hedge of cherry laurel.  10+ yrs	<b>C.1</b>	
H009										Estimated Measurements			
A Hedge <i>See comments for details</i>	2	1	70	N	0.5	0	EM	A: 2.2 R: 0.83	Good	C: Good S: Good B: Good	Regularly maintained formal hedge of yew.  10+ yrs	<b>C.1</b>	
H010										Estimated Measurements			
A Hedge <i>See comments for details</i>	2	1	70	N	0.5	0	SM	A: 2.2 R: 0.83	Good	C: Good S: Good B: Good	Linear group of copper beech regularly maintained as a formal hedge.  10+ yrs	<b>C.2</b>	
T001													
Common Yew <i>Taxus baccata</i>	11	1	560	N	5	1	M	A: 141.9 R: 6.72	Good	C: Good S: Good B: Good	Asymmetrical crown distribution due to proximity of companion trees; no significant features noted.  40+ yrs	<b>A.1</b>	
<b>Age Classifications:</b>	N	Newly planted	EM	Early Mature				<b>Condition:</b>	C	Crown	<b>Stems:</b>	Ø	Diameter
	Y	Young	M	Mature					S	Stem		(Eq)	Equivalent stem diameter using BS5837:2012 definition
	SM	Semi-mature	OM	Over Mature					B	Basal area			

Tree and Tag No Species	Hght (m)	Stems		Crown		Age	RP A (m <sup>2</sup> ) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations Survey Comment	Cat ERC	
		No	Ø (mm)	Spread (m)	Clear (m)							
<b>T002</b>												
Common Yew <i>Taxus baccata</i>	11	1	520	N	5	1	M	A: 122.3 R: 6.23	Good	C: Good S: Good B: Good	Asymmetrical crown distribution due to proximity of companion trees; no significant features noted.	<b>A.1</b> 40+ yrs
<b>T003</b>												
Common Yew <i>Taxus baccata</i>	13	1	610	N	6	1	M	A: 168.4 R: 7.32	Good	C: Good S: Good B: Good	Asymmetrical crown distribution due to proximity of companion trees; no significant features noted.	<b>A.1</b> 40+ yrs
<b>T004</b>												
Common Yew <i>Taxus baccata</i>	13	1	610	N	5	1	M	A: 168.4 R: 7.32	Good	C: Good S: Good B: Good	Asymmetrical crown distribution due to proximity of companion trees; no significant features noted.	<b>A.1</b> 40+ yrs
<b>T005</b>												
Common Yew <i>Taxus baccata</i>	11	1	460	N	5	2	M	A: 95.7 R: 5.51	Good	C: Good S: Good B: Good	Asymmetrical crown distribution due to proximity of companion trees; no significant features noted.	<b>A.1</b> 40+ yrs
<b>T006</b>												
Lawson Cypress <i>Chamaecyparis lawsoniana</i>	10	1	480	N	2.5	0	EM	A: 104.2 R: 5.75	Good	C: Good S: Good B: Good	No significant features noted.	<b>B.1</b> 20+ yrs
<b>T007</b>												
Common Yew <i>Taxus baccata</i>	11	2	667 (Eq)	N	5	2	M	A: 201.5 R: 8	Fair	C: Good S: Good B: Good	Low foliage density throughout crown; ivy from ground level to apex, although not dense yet.	<b>B.1</b> 20+ yrs
<b>Age Classifications:</b>	N	Newly planted	EM	Early Mature	<b>Condition:</b>			C	Crown	<b>Stems:</b>	Ø	Diameter
	Y	Young	M	Mature				S	Stem		(Eq)	Equivalent stem diameter using BS5837:2012 definition
	SM	Semi-mature	OM	Over Mature				B	Basal area			

Tree and Tag No Species	Hght (m)	Stems		Crown		Age	RP A (m <sup>2</sup> ) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations Survey Comment	Cat ERC		
		No	Ø (mm)	Spread (m)	Clear (m)								
T008													
Common Yew <i>Taxus baccata</i>	11	1	620	N	5	1.5	M	A: 173.9 R: 7.44	Fair	C: Good S: Good B: Good	Low foliage density throughout crown; ivy from ground level to apex, although not dense yet.	<b>B.1</b> 20+ yrs	
T009													
Common Yew <i>Taxus baccata</i>	7	1	800	N	4	1.5	M	A: 289.6 R: 9.6	Poor	C: Good S: Good B: Good	Very low foliage density throughout crown; ivy from ground level to apex, although not dense yet.	<b>C.1</b> <10 yrs	
T010													
Field Maple <i>Acer campestre</i>	12	2	497 (Eq)	N	4	3	M	A: 111.7 R: 5.96	Good	C: Good S: Good B: Good	Two codominant stems from ground level; ivy obscures inspection of base from ground level to 1m.	<b>B.1</b> 20+ yrs	
T011													
Apple <i>Malus sp.</i>	4	1	290	N	3	1.5	EM	A: 38.1 R: 3.48	Good	C: Good S: Good B: Good	Regularly pruned to maintain current dimensions.	<b>C.1</b> 10+ yrs	
T012													
Common Yew <i>Taxus baccata</i>	6	1	100	N	1	1.5	Y	A: 4.5 R: 1.19	Good	C: Poor S: Good B: Good	Asymmetrical crown distribution due to proximity of dominant tree.	<b>C.1</b> 40+ yrs	
T013											Estimated Measurements		
Common Hazel <i>Corylus avellana</i>	7	10	253 (Eq)	N	2	1	M	A: 29 R: 3.03	Good	C: Good S: Good B: Good	Over stood coppice stool; asymmetrical crown distribution due to proximity of companion trees.	<b>C.1</b> 20+ yrs	
<b>Age Classifications:</b>	N	Newly planted	EM	Early Mature				<b>Condition:</b>	C	Crown	<b>Stems:</b>	Ø	Diameter
	Y	Young	M	Mature					S	Stem		(Eq)	Equivalent stem diameter using BS5837:2012 definition
	SM	Semi-mature	OM	Over Mature					B	Basal area			

Tree and Tag No Species	Hght (m)	Stems		Crown		Age	RP A (m <sup>2</sup> ) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations Survey Comment	Cat ERC	
		No	Ø (mm)	Spread (m)	Clear (m)							
<b>T014</b>												
Common Oak <i>Quercus robur</i>	14	4	1012 (Eq)	N E S W	6 8 7 7	5 2 5 6	M A: 463 R: 12.13	Good	C: Good S: Good B: Good	Grows from top of east side of boundary ditch; four codominant stems from ground level; ivy partially obscures inspection of primary branch unions.	<b>A.1.2</b> 40+ yrs	
<b>T015</b>												
Sycamore <i>Acer pseudoplatanus</i>	14	1	460	N E S W	5 5 5 5	2 2 2 2	M A: 95.7 R: 5.51	Fair	C: Good S: Fair B: Poor	Ganoderma applanatum fruiting bodies at base on west side; necrotic bark with weeping at the margins from base to 0.5m on south side, approximately 1/4 of stem circumference.	<b>U</b> <10 yrs	
<b>T016</b>										Estimated Measurements		
Sycamore <i>Acer pseudoplatanus</i>	14	2	418 (Eq)	N E S W	5 5 5 3	2 2 2 2	EM A: 79 R: 5.01	Poor	C: Good S: Not visible B: Not visible	Two codominant stems from ground level; ivy obscures inspection of base, stem and primary unions from ground level to 10m; low foliage density throughout crown.	<b>U</b> <10 yrs	
<b>T017</b>												
Plum <i>Prunus Domestica</i>	6	1	170	N E S W	1.5 1.5 2.5 1.5	2 2 1 2	EM A: 13.1 R: 2.04	Good	C: Good S: Good B: Good	Basal growth up to 70mm diameter has now formed part of the crown as is typical of the species.	<b>C.1</b> 10+ yrs	
<b>T018</b>												
Common Oak <i>Quercus robur</i>	4.5	1	210	N E S W	1.5 3.5 3.5 2.5	2 2 2 2	SM A: 20 R: 2.52	Good	C: Poor S: Good B: Fair	Possibly historically topped at 2.5m; crown is formed in 'umbrella' shape.	<b>C.1</b> 20+ yrs	
<b>T019</b>												
Indian Horse Chestnut <i>Aesculus indica</i>	18	1	650	N E S W	4 5 5 5	1 3 2 2	M A: 191.2 R: 7.8	Good	C: Good S: Fair B: Fair	Three codominant stems from 1m with included bark and no remaining natural braces within the crown; axillary wood formation beginning to form at stem unions.	<b>B.1.2</b> 20+ yrs	
<b>Age Classifications:</b>	N	Newly planted	EM	Early Mature			<b>Condition:</b>	C	Crown	<b>Stems:</b>	Ø	Diameter
	Y	Young	M	Mature				S	Stem		(Eq)	Equivalent stem diameter using BS5837:2012 definition
	SM	Semi-mature	OM	Over Mature				B	Basal area			

Tree and Tag No Species	Hght (m)	Stems		Crown		Age	RP A (m <sup>2</sup> ) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations Survey Comment	Cat ERC	
		No	Ø (mm)	Spread (m)	Clear (m)							
T020 Common Quince <i>Cydonia oblonga</i>	4.5	1	150	N	2.5	1.5	SM	A: 10.2 R: 1.8	Good	C: Good S: Good B: Good	No significant features noted.	<b>C.1</b> 20+ yrs
T021 Cherry <i>Prunus sp.</i>	7	1	370	N	3.5	2	M	A: 61.9 R: 4.43	Good	C: Good S: Good B: Good	No significant features noted.	<b>C.1</b> 20+ yrs
T022 Apple <i>Malus sp.</i>	5	1	220	N	3	1.5	EM	A: 21.9 R: 2.64	Good	C: Good S: Good B: Good	No significant features noted.	<b>C.1</b> 20+ yrs
T023 Pear <i>Pyrus sp.</i>	6	2	184 (Eq)	N	2.5	1.5	EM	A: 15.3 R: 2.2	Fair	C: Good S: Good B: Fair	Two codominant stems from base with included bark at union; west stem appears to be growing from a grafted root stick as leaves and bark differ from other stem.	<b>C.1</b> 10+ yrs
T024 Prunus <i>Prunus sp.</i>	4	1	160	N	2.5	2	SM	A: 11.6 R: 1.92	Good	C: Good S: Good B: Good	No significant features noted.	<b>C.1</b> 20+ yrs
T025 Indian Horse Chestnut <i>Aesculus indica</i>	18	1	700	N	7	1	M	A: 221.7 R: 8.4	Good	C: Good S: Fair B: Fair	Two codominant stems from 1.5m with included bark, natural braces remain within the crown; a third stem on the south side has historically failed leaving heartwood exposed; 150mm of wound wood formation leaving 300mm until closure of wound.	<b>B.1.2</b> 20+ yrs
<b>Age Classifications:</b>	N	Newly planted	EM	Early Mature	<b>Condition:</b>		C	Crown	<b>Stems:</b>		Ø	Diameter
	Y	Young	M	Mature			S	Stem			(Eq)	Equivalent stem diameter using BS5837:2012 definition
	SM	Semi-mature	OM	Over Mature			B	Basal area				

Tree and Tag No Species	Hght (m)	Stems		Crown		Age	RP A (m <sup>2</sup> ) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations Survey Comment	Cat ERC	
		No	Ø (mm)	Spread (m)	Clear (m)							
T026 Indian Horse Chestnut <i>Aesculus indica</i>	18	1	520	N E S W	4 5 5 4	3 2 2 1	M A: 122.3 R: 6.23	Good	C: Good S: Good B: Good	Three codominant stems from 3m; no significant features noted.	<b>B.1.2</b> 40+ yrs	
T027 Sycamore <i>Acer pseudoplatanus</i>	28	1	1410	N E S W	9 10 12 9.5	3 3 2 2	M A: 707 R: 15	Good	C: Good S: Good B: Good	Three codominant stems greater than 800mm diameter from 3m with included bark at unions; naturally occurring dead wood in excess of 100mm diameter within the crown; basal growth regularly trimmed to 300mm.	<b>A.1.2</b> 40+ yrs	
T028 Plum <i>Prunus Domestica</i>	5	1	150	N E S W	2.5 2.5 2.5 2.5	2 2 2 2	SM A: 10.2 R: 1.8	Good	C: Good S: Good B: Good	No significant features noted.	<b>C.1</b> 20+ yrs	
T029 Plum <i>Prunus Domestica</i>	7	1	320	N E S W	1 4 2 1	2 2 2 2	M A: 46.3 R: 3.83	Decline	C: Poor S: Poor B: Poor	Crown die back; Phellinus sp. fruiting bodies on stems from ground level to 3m.	<b>U</b> <10 yrs	
T030 Plum <i>Prunus Domestica</i>	7	6	147 (Eq)	N E S W	2.5 2.5 3 2	2 2 2 2	EM A: 9.8 R: 1.76	Decline	C: Poor S: Poor B: Poor	Multiple stems from ground level; crown die back; Phellinus sp. fruiting bodies on stems from ground level to 3m.	<b>U</b> <10 yrs	
T031 Plum <i>Prunus Domestica</i>	7	1	420	N E S W	3 3 3 3	2 2 2 2	M A: 79.8 R: 5.03	Dead	C: Poor S: Poor B: Poor	Standing dead tree.	<b>U</b> <10 yrs	
<b>Age Classifications:</b>	N	Newly planted	EM	Early Mature			<b>Condition:</b>	C	Crown	<b>Stems:</b>	Ø	Diameter
	Y	Young	M	Mature				S	Stem		(Eq)	Equivalent stem diameter using BS5837:2012 definition
	SM	Semi-mature	OM	Over Mature				B	Basal area			

Tree and Tag No Species	Hght (m)	Stems		Crown		Age	RP A (m <sup>2</sup> ) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations Survey Comment	Cat ERC	
		No	Ø (mm)	Spread (m)	Clear (m)							
T032 Plum <i>Prunus Domestica</i>	7	1	410	N E S W	3 3 3 3	2 2 2 2	M A: 76.1 R: 4.92	Poor	C: Poor S: Poor B: Poor	Low foliage density throughout crown.	<b>U</b> <10 yrs	
T033 Plum <i>Prunus Domestica</i>	7	1	410	N E S W	3 3 3 3	2 2 2 2	M A: 76.1 R: 4.92	Poor	C: Poor S: Poor B: Poor	Low foliage density throughout crown.	<b>U</b> <10 yrs	
T034 Plum <i>Prunus Domestica</i>	7	1	400	N E S W	3 3 1 3.5	2 2 2 2	M A: 72.4 R: 4.8	Poor	C: Poor S: Poor B: Poor	Low foliage density throughout crown.	<b>U</b> <10 yrs	
T035 Common Oak <i>Quercus robur</i>	7	1	180	N E S W	2.5 2.5 2.5 2.5	2 2 2 2	Y A: 14.7 R: 2.16	Good	C: Good S: Good B: Good	No significant features noted.	<b>C.1</b> 40+ yrs	
T036 Myrobalan Plum <i>Prunus cerasifera</i>	6	1	120	N E S W	1.5 1.5 1.5 1.5	1 1 1 1	SM A: 6.5 R: 1.43	Good	C: Good S: Good B: Good	No significant features noted.	<b>C.1</b> 20+ yrs	
T037 Field Maple <i>Acer campestre</i>	14	3	539 (Eq)	N E S W	6 5 5 6	1 2 2 2	M A: 131.6 R: 6.47	Good	C: Good S: Good B: Good	Three codominant stems from base with included bark at stem unions typical of the species; southern stem has a cavity from 1.5m to 2.5m.	<b>A.1.2</b> 40+ yrs	
<b>Age Classifications:</b>	N	Newly planted	EM	Early Mature			<b>Condition:</b>	C	Crown	<b>Stems:</b>	Ø	Diameter
	Y	Young	M	Mature				S	Stem		(Eq)	Equivalent stem diameter using BS5837:2012 definition
	SM	Semi-mature	OM	Over Mature				B	Basal area			

Tree and Tag No Species	Hght (m)	Stems		Crown		Age	RP A (m <sup>2</sup> ) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations Survey Comment	Cat ERC		
		No	Ø (mm)	Spread (m)	Clear (m)								
T038													
Common Oak <i>Quercus robur</i>	23	1	910	N	6	8	M	A: 374.7 R: 10.92	Fair	C: Good S: Good B: Good	Off site tree; lower than normal foliage density throughout crown; naturally occurring robust dead wood within crown.	A.1.2 40+ yrs	
T039											Estimated Measurements		
Sycamore <i>Acer pseudoplatanus</i>	14	1	380	N	5	2	EM	A: 65.3 R: 4.55	Good	C: Fair S: Good B: Not visible	Ivy obscures inspection of base and stem to 2m; asymmetrical crown distribution due to proximity of dominant adjacent tree.	B.1.2 20+ yrs	
T040													
Common Oak <i>Quercus robur</i>	25	1	1160	N	7	5	M	A: 608.8 R: 13.92	Good	C: Good S: Good B: Good	Off site or boundary tree; grows from south side of ditch; no significant features noted.	A.1.2 40+ yrs	
T041													
Field Maple <i>Acer campestre</i>	11	2	269 (Eq)	N	3	1	EM	A: 32.8 R: 3.23	Good	C: Good S: Good B: Good	Boundary tree; no significant features noted.	B.1.2 40+ yrs	
T042											Estimated Measurements		
English Elm <i>Ulmus procera</i>	7	1	210	N	0		SM	A: 20 R: 2.52	Dead	C: Poor S: Poor B: Poor	Standing dead tree.	U n/a	
T043											Estimated Measurements		
Sycamore <i>Acer pseudoplatanus</i>	17	3	490 (Eq)	N	5	2	EM	A: 108.8 R: 5.88	Good	C: Good S: Good B: Fair	Boundary tree; three codominant stems from ground level indicative of stump regeneration.	B.1.2 20+ yrs	
<b>Age Classifications:</b>	N	Newly planted	EM	Early Mature				<b>Condition:</b>	C	Crown	<b>Stems:</b>	Ø	Diameter
	Y	Young	M	Mature					S	Stem		(Eq)	Equivalent stem diameter using BS5837:2012 definition
	SM	Semi-mature	OM	Over Mature					B	Basal area			

Tree and Tag No Species	Hght (m)	Stems		Crown		Age	RP A (m <sup>2</sup> ) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations Survey Comment	Cat ERC		
		No	Ø (mm)	Spread (m)	Clear (m)								
T044													
Common Oak <i>Quercus robur</i>	18	1	930	N	7	5	M	A: 391.3 R: 11.16	Good	C: Good S: Good B: Good	Off site or boundary tree; grows from south side of ditch; woodpecker hole in previously failed branch stub.	<b>A.1.2</b> 40+ yrs	
T045											Estimated Measurements		
Sycamore <i>Acer pseudoplatanus</i>	10	1	300	N	1	6	EM	A: 40.7 R: 3.59	Good	C: Fair S: Good B: Good	Asymmetrical crown distribution due to proximity of dominant adjacent tree.	<b>C.1</b> 20+ yrs	
T046											Estimated Measurements		
Sycamore <i>Acer pseudoplatanus</i>	16	1	420	N	5	2	EM	A: 79.8 R: 5.03	Good	C: Good S: Good B: Good	Off site or boundary tree; asymmetrical crown distribution due to proximity of dominant adjacent tree; no significant features noted.	<b>B.1.2</b> 20+ yrs	
T047													
Common Oak <i>Quercus robur</i>	25	1	1010	N	7	5	M	A: 461.5 R: 12.12	Good	C: Good S: Good B: Good	Off site or boundary tree; grows from south side of ditch; no significant features noted.	<b>A.1.2</b> 40+ yrs	
T048											Estimated Measurements		
Common Ash <i>Fraxinus excelsior</i>	14	4	512 (Eq)	N	7	3	M	A: 118.8 R: 6.14	Fair	C: Poor S: Poor B: Poor	Four codominant stems from ground level indicative of stump regeneration; two south west stems with <i>Inonotus hispidus</i> fungal fruiting bodies from 1-4m; cavity at base extends to root plate.	<b>U</b> <10 yrs	
T049													
Sycamore <i>Acer pseudoplatanus</i>	17	1	520	N	3	3	M	A: 122.3 R: 6.23	Good	C: Good S: Good B: Good	No significant features noted.	<b>B.1.2</b> 40+ yrs	
<b>Age Classifications:</b>	N	Newly planted	EM	Early Mature				<b>Condition:</b>	C	Crown	<b>Stems:</b>	Ø	Diameter
	Y	Young	M	Mature					S	Stem		(Eq)	Equivalent stem diameter using BS5837:2012 definition
	SM	Semi-mature	OM	Over Mature					B	Basal area			

Tree and Tag No Species	Hght (m)	Stems		Crown		Age	RP A (m <sup>2</sup> ) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations Survey Comment	Cat ERC		
		No	Ø (mm)	Spread (m)	Clear (m)								
<b>T050</b>													
Sycamore <i>Acer pseudoplatanus</i>	17	1	270	N	3	6	EM	A: 33 R: 3.24	Good	C: Good S: Good B: Good	Insufficient stem taper if exposure is altered.	<b>C.1</b> 40+ yrs	
				E	3	6							
				S	3	6							
				W	3	6							
<b>T051</b>													
Sycamore <i>Acer pseudoplatanus</i>	9	4	336 (Eq)	N	3	2	SM	A: 51.2 R: 4.03	Good	C: Good S: Good B: Fair	Four codominant stems from ground level indicative of stump regeneration.	<b>C.1</b> 20+ yrs	
				E	3	2							
				S	3	2							
				W	3	2							
<b>T052</b>											Estimated Measurements		
Sycamore <i>Acer pseudoplatanus</i>	9	3	135 (Eq)	N	1.5	4	SM	A: 8.2 R: 1.61	Good	C: Poor S: Fair B: Fair	Asymmetrical crown distribution due to proximity of dominant tree; three codominant stems from ground level indicative of stump regeneration.	<b>C.1</b> 10+ yrs	
				E	0								
				S	0								
				W	1	2							
<b>T053</b>											Estimated Measurements		
Sycamore <i>Acer pseudoplatanus</i>	15	1	160	N	2	8	SM	A: 11.6 R: 1.92	Good	C: Good S: Fair B: Good	Insufficient stem taper if exposure is altered.	<b>C.1</b> 10+ yrs	
				E	2	8							
				S	2	8							
				W	2	8							
<b>T054</b>											Estimated Measurements		
Sycamore <i>Acer pseudoplatanus</i>	12	6	343 (Eq)	N	3	5	SM	A: 53.2 R: 4.11	Good	C: Good S: Good B: Fair	Six codominant stems from ground level indicative of stump regeneration.	<b>C.1</b> 20+ yrs	
				E	3	5							
				S	3	2							
				W	3	2							
<b>T055</b>													
Plum <i>Prunus Domestica</i>	6	1	310	N	1	3	M	A: 43.5 R: 3.72	Decline	C: Poor S: Poor B: Fair	In terminal decline with epicormic regeneration up to 20mm diameter forming only live crown.	<b>U</b> <10 yrs	
				E	1	3							
				S	0								
				W	1.5	1.5							
<b>Age Classifications:</b>	N	Newly planted	EM	Early Mature				<b>Condition:</b>	C	Crown	<b>Stems:</b>	Ø	Diameter
	Y	Young	M	Mature					S	Stem		(Eq)	Equivalent stem diameter using BS5837:2012 definition
	SM	Semi-mature	OM	Over Mature					B	Basal area			

Tree and Tag No Species	Hght (m)	Stems		Crown		Age	RP A (m <sup>2</sup> ) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations Survey Comment	Cat ERC
		No	Ø (mm)	Spread (m)	Clear (m)						
Estimated Measurements											
T056 Sycamore <i>Acer pseudoplatanus</i>	16	2	439 (Eq)	N E S W	3 3 3 4.5	5 5 5 2	EM A: 87.1 R: 5.26	Good	C: Good S: Good B: Fair	Two codominant stems from ground level indicative of stump regeneration.	<b>B.1</b> 20+ yrs
Estimated Measurements											
T057 Sycamore <i>Acer pseudoplatanus</i>	12	10	379 (Eq)	N E S W	1.5 1.5 3 3	5 5 2 2	SM A: 65.2 R: 4.55	Good	C: Good S: Good B: Good	13No. codominant stems from ground level indicative of stump regeneration.	<b>C.1</b> 20+ yrs
Estimated Measurements											
T058 Common Oak <i>Quercus robur</i>	5	1	100	N E S W	2.5 2.5 2.5 2.5	2 2 2 2	Y A: 4.5 R: 1.19	Good	C: Good S: Good B: Good	No significant features noted.	<b>C.1</b> 40+ yrs
Estimated Measurements											
T059 Indian Horse Chestnut <i>Aesculus indica</i>	18	1	630	N E S W	3 5 5 5	2 2 2 2	M A: 179.6 R: 7.56	Fair	C: Good S: Good B: Good	Two codominant stems from 3m with included bark at stem union; bleeding canker evident on south side of base.	<b>B.1.2</b> 40+ yrs
Estimated Measurements											
T060 Common Walnut <i>Juglans regia</i>	11	1	560	N E S W	4.5 5 4 6	2 2 2 2	M A: 141.9 R: 6.72	Fair	C: Poor S: Fair B: Good	Three primary branches from 2.5m; cavities in two, the third has shed a secondary branch.	<b>U</b> <10 yrs
Estimated Measurements											
T061 Indian Horse Chestnut <i>Aesculus indica</i>	10	1	350	N E S W	5 5 5 5	2 2 2 2	EM A: 55.4 R: 4.19	Decline	C: Poor S: Poor B: Poor	Decayed heart wood is exposed from base to apex of one branch, possible lightning strike; decay appears to extend into root plate; low foliage density throughout crown.	<b>U</b> <10 yrs
<b>Age Classifications:</b>	N	Newly planted	EM	Early Mature	<b>Condition:</b>		C	Crown	<b>Stems:</b>	Ø	Diameter
	Y	Young	M	Mature			S	Stem		(Eq)	Equivalent stem diameter using BS5837:2012 definition
	SM	Semi-mature	OM	Over Mature			B	Basal area			

Tree and Tag No Species	Hght (m)	Stems		Crown		Age	RP A (m <sup>2</sup> ) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations Survey Comment	Cat ERC		
		No	Ø (mm)	Spread (m)	Clear (m)								
T062													
Common Walnut <i>Juglans regia</i>	11	1	470	N	4.5	2	M	A: 99.9 R: 5.63	Fair	C: Good S: Fair B: Fair	<b>C.1.3</b> 10+ yrs		
				E	5	2							
				S	4	2							
				W	4	2							
T063													
Sycamore <i>Acer pseudoplatanus</i>	27	1	790	N	7	10	M	A: 282.4 R: 9.48	Fair	C: Good S: Good B: Fair	<b>B.1.2</b> 20+ yrs		
				E	8	6							
				S	9	3							
				W	4	6							
T064											Estimated Measurements		
Apple <i>Malus sp.</i>	5	1	270	N	1	2	EM	A: 33 R: 3.24	Decline	C: Poor S: Fair B: Poor	<b>U</b> <10 yrs		
				E	1.5	2							
				S	3.5	2							
				W	2.5	2							
T065													
Common Hawthorn <i>Crataegus monogyna</i>	4	1	140	N	3	1.5	EM	A: 8.9 R: 1.68	Fair	C: Poor S: Poor B: Poor	<b>U</b> <10 yrs		
				E	4	1.5							
				S	0								
				W	0								
T066											Estimated Measurements		
Common or Black Elder <i>Sambucas nigra</i>	5	6	171 (Eq)	N	4	3	EM	A: 13.3 R: 2.05	Fair	C: Fair S: Good B: Fair	<b>C.1</b> 10+ yrs		
				E	3	3							
				S	1	3							
				W	2	3							
T067											Estimated Measurements		
Apple <i>Malus sp.</i>	4.5	1	120	N	3	2	SM	A: 6.5 R: 1.43	Good	C: Fair S: Good B: Fair	<b>C.1</b> 10+ yrs		
				E	1	2							
				S	0								
				W	2	2							
<b>Age Classifications:</b>	N	Newly planted	EM	Early Mature				<b>Condition:</b>	C	Crown	<b>Stems:</b>	Ø	Diameter
	Y	Young	M	Mature					S	Stem		(Eq)	Equivalent stem diameter using BS5837:2012 definition
	SM	Semi-mature	OM	Over Mature					B	Basal area			

Tree and Tag No Species	Hght (m)	Stems		Crown		Age	RP A (m <sup>2</sup> ) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations Survey Comment	Cat ERC		
		No	Ø (mm)	Spread (m)	Clear (m)								
T068										Estimated Measurements			
Common Hazel <i>Corylus avellana</i>	5	6	49 (Eq)	N	2	2	Y	A: 1.1 R: 0.59	Decline	C: Fair S: Fair B: Good	Very low foliage density throughout crown.	<b>U</b>  <10 yrs	
T069										Estimated Measurements			
Plum <i>Prunus Domestica</i>	5	3	121 (Eq)	N	2	2	Y	A: 6.7 R: 1.46	Fair	C: Fair S: Good B: Good	Asymmetrical crown distribution due to proximity of dominant adjacent trees; low foliage density throughout crown.	<b>C.1</b>  10+ yrs	
T070													
Norway Spruce <i>Picea abies</i>	16	1	490	N	4.5	2	EM	A: 108.6 R: 5.87	Good	C: Good S: Good B: Good	No significant features noted.	<b>B.1</b>  20+ yrs	
T071										Estimated Measurements			
Common Hazel <i>Corylus avellana</i>	6	6	147 (Eq)	N	3	2	M	A: 9.8 R: 1.76	Fair	C: Good S: Good B: Fair	Six main stems from base typical of the species; rabbit warren around root plate.	<b>C.1</b>  10+ yrs	
T072													
Sycamore <i>Acer pseudoplatanus</i>	18	1	680	N	5	2	M	A: 209.2 R: 8.16	Good	C: Good S: Good B: Good	No significant features noted.	<b>A.1</b>  40+ yrs	
T073													
Golden Robinia <i>Robinia pseudoacacia 'Frisia'</i>	12	1	250	N	1.5	4	SM	A: 28.3 R: 3	Good	C: Good S: Fair B: Fair	Insufficient stem taper if exposure is altered.	<b>C.1</b>  10+ yrs	
<b>Age Classifications:</b>	N	Newly planted	EM	Early Mature				<b>Condition:</b>	C	Crown	<b>Stems:</b>	Ø	Diameter
	Y	Young	M	Mature					S	Stem		(Eq)	Equivalent stem diameter using BS5837:2012 definition
	SM	Semi-mature	OM	Over Mature					B	Basal area			

Tree and Tag No Species	Hght (m)	Stems		Crown		Age	RP A (m <sup>2</sup> ) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations Survey Comment	Cat ERC		
		No	Ø (mm)	Spread (m)	Clear (m)								
T074										Estimated Measurements			
Cherry Laurel <i>Prunus laurocerasus</i>	6	6	441 (Eq)	N	5	0	EM	A: 88 R: 5.29	Good	C: Good S: Good B: Fair	Multiple stems from layering habit.	<b>C.1</b> 10+ yrs	
T075													
Sycamore <i>Acer pseudoplatanus</i>	18	1	280	N	2	8	EM	A: 35.5 R: 3.36	Good	C: Good S: Fair B: Good	Asymmetrical crown distribution due to proximity of companion tree; inhibits growth of adjacent spruce; insufficient stem taper if exposure is altered.	<b>C.1</b> 20+ yrs	
T076													
Golden Robinia <i>Robinia pseudoacacia 'Frisia'</i>	16	1	260	N	3	6	SM	A: 30.6 R: 3.12	Good	C: Fair S: Fair B: Fair	Stem angle of 20 degrees from vertical; insufficient stem taper if exposure is altered.	<b>C.1</b> 10+ yrs	
T077													
Golden Robinia <i>Robinia pseudoacacia 'Frisia'</i>	16	1	360	N	3	8	SM	A: 58.6 R: 4.31	Good	C: Good S: Good B: Good	Asymmetrical crown distribution due to proximity of companion trees.	<b>B.1</b> 20+ yrs	
T078													
Golden Robinia <i>Robinia pseudoacacia 'Frisia'</i>	16	1	680	N	6	8	M	A: 209.2 R: 8.16	Good	C: Not visible S: Not visible B: Good	Ivy obscures inspection of base, stem and primary unions.	<b>B.1</b> 20+ yrs	
T079											Estimated Measurements		
Golden Robinia <i>Robinia pseudoacacia 'Frisia'</i>	16	2	311 (Eq)	N	4	8	M	A: 43.8 R: 3.73	Good	C: Good S: Poor B: Poor	Fell :: Fell and remove stump(s) Root plate has partially failed; base of stem decayed.	<b>U</b> <10 yrs	
<b>Age Classifications:</b>	N	Newly planted	EM	Early Mature				<b>Condition:</b>	C	Crown	<b>Stems:</b>	Ø	Diameter
	Y	Young	M	Mature					S	Stem		(Eq)	Equivalent stem diameter using BS5837:2012 definition
	SM	Semi-mature	OM	Over Mature					B	Basal area			

Tree and Tag No Species	Hght (m)	Stems		Crown		Age	RP A (m <sup>2</sup> ) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations Survey Comment	Cat ERC	
		No	Ø (mm)	Spread (m)	Clear (m)							
Estimated Measurements												
T080 Black Walnut <i>Juglans nigra</i>	16	1	310	N E S W	4 6 4 0	5	EM A: 43.5 R: 3.72	Good	C: Poor S: Fair B: Good	Wholly asymmetrical crown distribution due to proximity of companion trees.	<b>C.1</b> 10+ yrs	
Estimated Measurements												
T081 Golden Robinia <i>Robinia pseudoacacia 'Frisia'</i>	12	1	220	N E S W	0 1.5 5 1		EM A: 21.9 R: 2.64	Good	C: Fair S: Poor B: Poor	Fell :: Fell and remove stump(s) ----- Split stem at base, partial failure has occurred.	<b>U</b> <10 yrs	
Estimated Measurements												
T082 Sycamore <i>Acer pseudoplatanus</i>	18	1	460	N E S W	6 4 6 6	5	EM A: 95.7 R: 5.51	Fair	C: Good S: Good B: Good	----- Two codominant stems from ground 2m, cup union forming; exudations typical of phyophthora at 1.5m on west side of stem.	<b>B.1</b> 20+ yrs	
Estimated Measurements												
T083 Sycamore <i>Acer pseudoplatanus</i>	23	1	930	N E S W	9 9 9 9	6	M A: 391.3 R: 11.16	Good	C: Good S: Good B: Good	----- No significant features noted.	<b>A.1.2</b> 40+ yrs	
Estimated Measurements												
T084 Sycamore <i>Acer pseudoplatanus</i>	20	1	450	N E S W	5 5 5 4	10	EM A: 91.6 R: 5.39	Good	C: Good S: Good B: Good	----- Grows at the edge of the crown of the adjacent Cat A sycamore; asymmetrical crown distribution due to proximity of dominant adjacent tree.	<b>B.1</b> 20+ yrs	
Estimated Measurements												
T085 Sycamore <i>Acer pseudoplatanus</i>	14	1	550	N E S W	6 6 6 6	2	EM A: 136.9 R: 6.6	Decline	C: Poor S: Poor B: Poor	Two codominant stems from 1.5m, northern stem has bark missing from while circumference but still retains some foliage; southern stem also has very low foliage density throughout.	<b>U</b> <10 yrs	
<b>Age Classifications:</b>	N	Newly planted	EM	Early Mature			<b>Condition:</b>	C	Crown	<b>Stems:</b>	Ø	Diameter
	Y	Young	M	Mature				S	Stem		(Eq)	Equivalent stem diameter using BS5837:2012 definition
	SM	Semi-mature	OM	Over Mature				B	Basal area			

Tree and Tag No Species	Hght (m)	Stems		Crown		Age	RP A (m <sup>2</sup> ) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations Survey Comment	Cat ERC	
		No	Ø (mm)	Spread (m)	Clear (m)							
Estimated Measurements												
T086 Common Hawthorn <i>Crataegus monogyna</i>	5.5	1	350	N E S W	2 2.5 4	2 0 0	M A: 55.4 R: 4.19	Good	C: Good S: Good B: Not visible	Low foliage density in western quarter of crown.	<b>B.1</b> 20+ yrs	
Estimated Measurements												
T087 Crab Apple <i>Malus sylvestris</i>	8	1	410	N E S W	1.5 4.5 5 4	4 5 3 2	M A: 76.1 R: 4.92	Fair	C: Good S: Fair B: Fair	A particularly large example of the species; stem hollows and retained dead wood are veteran features.	<b>A.3</b> 40+ yrs	
Estimated Measurements												
T088 Common Oak <i>Quercus robur</i>	12	1	810	N E S W	6 6 6 6	2 2 2 2	M A: 296.9 R: 9.72	Good	C: Good S: Good B: Fair	Small patch of necrotic bark on north side at base, from ground level to 0.5m.	<b>A.1.2</b> 40+ yrs	
Estimated Measurements												
T089 Norway Spruce <i>Picea abies</i>	6	1	130	N E S W	1.5 1.5 1.5 1.5	1 1 1 1	Y A: 7.6 R: 1.55	Good	C: Good S: Good B: Good	No significant features noted.	<b>C.1</b> 40+ yrs	
Estimated Measurements												
T090 Aspen <i>Populus tremula</i>	8	1	210	N E S W	4 4 1 1	2 2 6 6	SM A: 20 R: 2.52	Good	C: Fair S: Good B: Not visible	Base and stem to 2m not visible for inspection due to bramble growth.	<b>C.1</b> 20+ yrs	
Estimated Measurements												
T091 Common Ash <i>Fraxinus excelsior</i>	6	1	110	N E S W	1.5 1.5 1 1	2 2 2 2	Y A: 5.5 R: 1.32	Good	C: Good S: Good B: Good	No significant features noted.	<b>C.1</b> 40+ yrs	
<b>Age Classifications:</b>	N	Newly planted	EM	Early Mature	<b>Condition:</b>			C	Crown	<b>Stems:</b>	Ø	Diameter
	Y	Young	M	Mature				S	Stem		(Eq)	Equivalent stem diameter using BS5837:2012 definition
	SM	Semi-mature	OM	Over Mature				B	Basal area			

Tree and Tag No Species	Hght (m)	Stems		Crown		Age	RP A (m <sup>2</sup> ) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations Survey Comment	Cat ERC	
		No	Ø (mm)	Spread (m)	Clear (m)							
T092												
Wild Cherry <i>Prunus avium</i>	12	1	450	N	5	4	M	A: 91.6 R: 5.39	Good	C: Good S: Good B: Fair	Low foliage density throughout crown; surface root with mechanical damage commensurate with mower strikes.	<b>C.1</b> 10+ yrs
T093												
Whitebeam <i>Sorbus aria</i>	10	1	420	N	4	2	EM	A: 79.8 R: 5.03	Good	C: Good S: Good B: Fair	Mechanical wound on south side of base 100mmx100mm.	<b>B.1</b> 20+ yrs
T094												
Norway Spruce <i>Picea abies</i>	6	1	130	N	1.5	1	Y	A: 7.6 R: 1.55	Good	C: Good S: Good B: Good	No significant features noted.	<b>C.1</b> 40+ yrs
T095												
Wild Cherry <i>Prunus avium</i>	10	1	370	N	4	5	EM	A: 61.9 R: 4.43	Good	C: Good S: Good B: Good	No significant features noted.	<b>B.1</b> 20+ yrs
T096												
Common Beech <i>Fagus sylvatica</i>	6	1	170	N	3.5	1.5	Y	A: 13.1 R: 2.04	Good	C: Good S: Good B: Good	No significant features noted.	<b>C.1</b> 40+ yrs
T097												
Scots Pine <i>Pinus sylvestris</i>	10	1	410	N	5	3	EM	A: 76.1 R: 4.92	Good	C: Good S: Good B: Good	Asymmetrical crown distribution due to proximity of companion trees.	<b>B.1</b> 20+ yrs
<b>Age Classifications:</b>	N	Newly planted	EM	Early Mature	<b>Condition:</b>			C	Crown	<b>Stems:</b>	Ø	Diameter
	Y	Young	M	Mature				S	Stem		(Eq)	Equivalent stem diameter using BS5837:2012 definition
	SM	Semi-mature	OM	Over Mature				B	Basal area			

Tree and Tag No Species	Hght (m)	Stems		Crown		Age	RP A (m <sup>2</sup> ) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations Survey Comment	Cat ERC	
		No	Ø (mm)	Spread (m)	Clear (m)							
T098 Scots Pine <i>Pinus sylvestris</i>	10	1	260	N E S W	3.5 3.5 1.5 1.5	3 2 5 5	SM	A: 30.6 R: 3.12	Good	C: Good S: Good B: Good	Asymmetrical crown distribution due to proximity of companion trees.	<b>C.1</b> 20+ yrs
T099 Hybrid Black Poplar <i>Populus x canadensis</i>	22	1	640	N E S W	7 7 4 4.5	7 2 4 4	M	A: 185.3 R: 7.68	Good	C: Fair S: Good B: Good	Detached branch in crown.	<b>B.1.2</b> 20+ yrs
T100 Hybrid Black Poplar <i>Populus x canadensis</i>	20	1	570	N E S W	10 2 4 7	8 8 2 4	M	A: 147 R: 6.84	Fair	C: Poor S: Poor B: Good	Historic loss of half of crown has resulted in dysfunction in the remaining stem at the union of the two remaining primary branches.	<b>U</b> <10 yrs
T101 Wild Cherry <i>Prunus avium</i>	12	1	260	N E S W	6 1.5 2 5	2 2 2 2	SM	A: 30.6 R: 3.12	Good	C: Fair S: Good B: Good	Asymmetrical crown distribution due to proximity of dominant adjacent trees.	<b>C.1</b> 20+ yrs
T102 Mountain Ash <i>Sorbus aucuparia</i>	5.5	1	230	N E S W	2 1 2 3	2 2 2 2	EM	A: 23.9 R: 2.75	Fair	C: Good S: Good B: Good	Lower than normal foliage density throughout crown.	<b>C.1</b> 10+ yrs
T103 Crab Apple <i>Malus sylvestris</i>	11	1	550	N E S W	5 5 5 5	4 2 3 4	M	A: 136.9 R: 6.6	Good	C: Good S: Good B: Good	A large, old example the species.	<b>A.1.2</b> 40+ yrs
<b>Age Classifications:</b>	N	Newly planted	EM	Early Mature	<b>Condition:</b>		C	Crown	<b>Stems:</b>		Ø	Diameter
	Y	Young	M	Mature			S	Stem			(Eq)	Equivalent stem diameter using BS5837:2012 definition
	SM	Semi-mature	OM	Over Mature			B	Basal area				

Tree and Tag No Species	Hght (m)	Stems		Crown		Age	RP A (m <sup>2</sup> ) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations Survey Comment	Cat ERC		
		No	Ø (mm)	Spread (m)	Clear (m)								
<b>T104</b>													
Hybrid Black Poplar <i>Populus x canadensis</i>	23	1	670	N	7	6	M	A: 203.1 R: 8.04	Fair	C: Poor S: Fair B: Good	Partially detached hanging branches; canker through all primary branches.	<b>C.1.2</b> 10+ yrs	
<b>T105</b>													
Common Hornbeam <i>Carpinus betulus</i>	8	1	290	N	5	2	SM	A: 38.1 R: 3.48	Good	C: Good S: Fair B: Good	No significant features noted.	<b>B.1</b> 40+ yrs	
<b>T106</b>													
Common Hornbeam <i>Carpinus betulus</i>	8	1	170	N	4	2	SM	A: 13.1 R: 2.04	Good	C: Good S: Good B: Good	No significant features noted.	<b>C.1</b> 40+ yrs	
<b>T107</b>													
Small-Leafed Lime <i>Tilia cordata</i>	16	1	530	N	5	2	EM	A: 127.1 R: 6.36	Good	C: Good S: Good B: Good	No significant features noted.	<b>A.1</b> 40+ yrs	
<b>T108</b>													
Common Horse Chestnut <i>Aesculus hippocastanum</i>	11	1	430	N	5	2	EM	A: 83.7 R: 5.16	Good	C: Good S: Good B: Fair	Minor leaf minor moth infestation.	<b>B.1</b> 20+ yrs	
<b>T109</b>													
Hybrid Black Poplar <i>Populus x canadensis</i>	20	1	600	N	7	5	M	A: 162.9 R: 7.2	Decline	C: Poor S: Fair B: Good	Very low foliage density throughout crown.	<b>U</b> <10 yrs	
<b>Age Classifications:</b>	N	Newly planted	EM	Early Mature				<b>Condition:</b>	C	Crown	<b>Stems:</b>	Ø	Diameter
	Y	Young	M	Mature					S	Stem		(Eq)	Equivalent stem diameter using BS5837:2012 definition
	SM	Semi-mature	OM	Over Mature					B	Basal area			

Tree and Tag No Species	Hght (m)	Stems		Crown		Age	RP A (m <sup>2</sup> ) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations Survey Comment	Cat ERC	
		No	Ø (mm)	Spread (m)	Clear (m)							
<b>T110</b>												
Hybrid Black Poplar <i>Populus x canadensis</i>	25	1	590	N	7	6	M	A: 157.5 R: 7.08	Fair	C: Good S: Good B: Good	Lower than normal foliage density throughout crown.	<b>C.1.2</b> 10+ yrs
<b>T111</b>												
London Plane <i>Platanus x hispanica</i>	8	1	230	N	5	2	SM	A: 23.9 R: 2.75	Good	C: Good S: Good B: Good	Asymmetrical crown distribution due to proximity of dominant adjacent trees.	<b>C.1</b> 40+ yrs
<b>T112</b>												
Hybrid Black Poplar <i>Populus x canadensis</i>	25	1	570	N	7	6	M	A: 147 R: 6.84	Fair	C: Good S: Good B: Good	Lower than normal foliage density throughout crown.	<b>C.1.2</b> 10+ yrs
<b>T113</b>												
Hybrid Black Poplar <i>Populus x canadensis</i>	25	1	720	N	7	6	M	A: 234.5 R: 8.63	Fair	C: Good S: Good B: Poor	Lower than normal foliage density throughout crown; dysfunction in root plate as seen by wound on north side of base.	<b>C.1.2</b> 10+ yrs
<b>T114</b>												
Norway Maple <i>Acer platanoides</i>	12	1	230	N	4.5	2	SM	A: 23.9 R: 2.75	Good	C: Fair S: Good B: Good	Asymmetrical crown distribution due to proximity of dominant adjacent trees.	<b>C.1</b> 40+ yrs
<b>T115</b>												
Wild Cherry <i>Prunus avium</i>	15	1	510	N	6	2	M	A: 117.7 R: 6.12	Good	C: Fair S: Good B: Good	Asymmetrical crown distribution due to proximity of companion tree.	<b>C.1</b> 10+ yrs
<b>Age Classifications:</b>	N	Newly planted	EM	Early Mature	<b>Condition:</b>			C	Crown	<b>Stems:</b>	Ø	Diameter
	Y	Young	M	Mature				S	Stem		(Eq)	Equivalent stem diameter using BS5837:2012 definition
	SM	Semi-mature	OM	Over Mature				B	Basal area			

Tree and Tag No Species	Hght (m)	Stems		Crown		Age	RP A (m <sup>2</sup> ) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations Survey Comment	Cat ERC		
		No	Ø (mm)	Spread (m)	Clear (m)								
<b>T116</b>													
Norway Maple <i>Acer platanoides</i>	20	1	510	N	5	3	M	A: 117.7 R: 6.12	Fair	C: Good S: Good B: Fair	See Comment :: Unspecified  Two codominant stems from ground 2m, union tensile in nature; grass clippings have been piled against the stem to 1m; lower than normal foliage density throughout crown. Remove grass clippings from base of tree as this can cause cambium death.	<b>B.1</b> 20+ yrs	
<b>T117</b>													
Hybrid Black Poplar <i>Populus x canadensis</i>	20	1	330	N	2	6	EM	A: 49.3 R: 3.96	Dead	C: Poor S: Poor B: Poor	Dead tree; failed at base and leaning in tree to north.	<b>U</b> n/a	
<b>T118</b>											Estimated Measurements		
Field Maple <i>Acer campestre</i>	10	1	320	N	4	3	M	A: 46.3 R: 3.83	Good	C: Good S: Good B: Fair	Off site or boundary tree; grows from west bank of ditch; asymmetrical crown distribution due to proximity of companion trees.	<b>B.1.2</b> 40+ yrs	
<b>T119</b>											Estimated Measurements		
Field Maple <i>Acer campestre</i>	10	2	262 (Eq)	N	4	3	M	A: 31 R: 3.14	Good	C: Good S: Good B: Fair	Off site or boundary tree; grows from west bank of ditch; asymmetrical crown distribution due to proximity of companion trees.	<b>B.1.2</b> 40+ yrs	
<b>T120</b>											Estimated Measurements		
Hybrid Black Poplar <i>Populus x canadensis</i>	16	1	500	N	2.5	8	EM	A: 113.1 R: 6	Fair	C: Fair S: Good B: Fair	Naturally occurring deadwood throughout crown; retrenchment also present locally; base buried by aged grass clippings.	<b>C.1.2</b> 10+ yrs	
<b>T121</b>											Estimated Measurements		
English Elm <i>Ulmus procera</i>	17	1	420	N	4	2	SM	A: 79.8 R: 5.03	Good	C: Fair S: Good B: Good	Off site or boundary tree; two codominant stems from 1m; asymmetrical crown distribution due to proximity of dominant adjacent tree.	<b>C.1.2</b> 10+ yrs	
<b>Age Classifications:</b>	N	Newly planted	EM	Early Mature				<b>Condition:</b>	C	Crown	<b>Stems:</b>	Ø	Diameter
	Y	Young	M	Mature					S	Stem		(Eq)	Equivalent stem diameter using BS5837:2012 definition
	SM	Semi-mature	OM	Over Mature					B	Basal area			

Tree and Tag No Species	Hght (m)	Stems		Crown		Age	RP A (m <sup>2</sup> ) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations Survey Comment	Cat ERC
		No	Ø (mm)	Spread (m)	Clear (m)						
Estimated Measurements											
T122 Common Ash <i>Fraxinus excelsior</i>	19	6	612 (Eq)	N E S W	5 6 6 7	4 3 4 4	M A: 169.7 R: 7.34	Good	C: Good S: Good B: Fair	Off site or boundary tree; multiple stems from ground level commensurate with stump regeneration.	<b>B.1.2</b> 20+ yrs
Estimated Measurements											
T123 Field Maple <i>Acer campestre</i>	13	6	637 (Eq)	N E S W	6 6 6 6	2 3 4 2	M A: 183.5 R: 7.64	Good	C: Good S: Good B: Good	Off site or boundary tree; six codominant stems from base commensurate with stump regeneration.	<b>A.1.2</b> 40+ yrs
Estimated Measurements											
T124 London Plane <i>Platanus x hispanica</i>	13	1	520	N E S W	6 6 6 6	1.5 1.5 1.5 1.5	EM A: 122.3 R: 6.23	Good	C: Good S: Good B: Good	Open grown tree; no significant features noted.	<b>B.1</b> 40+ yrs
Estimated Measurements											
T125 Copper Beech <i>Fagus sylvatica 'Purpurea'</i>	8	1	400	N E S W	4 4 4 4	1 1 1 1	EM A: 72.4 R: 4.8	Good	C: Good S: Good B: Good	Open grown tree; no significant features noted.	<b>B.1</b> 40+ yrs
Estimated Measurements											
T126 Field Maple <i>Acer campestre</i>	10	1	600	N E S W	5 5 5 5	2 22 2 2	M A: 162.9 R: 7.2	Good	C: Good S: Good B: Good	Off site or boundary tree; two intertwined codominant stems from 1m.	<b>A.1.2</b> 40+ yrs
Estimated Measurements											
T127 Norway Maple <i>Acer platanoides</i>	8	1	210	N E S W	3 3 3 3	2 2 2 2	SM A: 20 R: 2.52	Good	C: Good S: Good B: Good	Open grown tree; no significant features noted.	<b>B.1</b> 40+ yrs
<b>Age Classifications:</b>	N	Newly planted	EM	Early Mature	<b>Condition:</b>		C	Crown	<b>Stems:</b>	Ø	Diameter
	Y	Young	M	Mature			S	Stem		(Eq)	Equivalent stem diameter using BS5837:2012 definition
	SM	Semi-mature	OM	Over Mature			B	Basal area			

Tree and Tag No Species	Hght (m)	Stems		Crown		Age	RP A (m <sup>2</sup> ) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations Survey Comment	Cat ERC	
		No	Ø (mm)	Spread (m)	Clear (m)							
T128 Common Horse Chestnut <i>Aesculus hippocastanum</i>	10	1	620	N E S W	6 4 6 5	1.5 1.5 1.5 1.5	EM	A: 173.9 R: 7.44	Good	C: Good S: Good B: Good	Open grown tree; up-light affixed to base; no significant features noted.	<b>B.1</b> 40+ yrs
T129 Field Maple <i>Acer campestre</i>	10	1	600	N E S W	5 5 5 5	2 22 2 2	M	A: 162.9 R: 7.2	Good	C: Good S: Good B: Good	Off site or boundary tree; two intertwined codominant stems from 1m.	Estimated Measurements <b>A.1.2</b> 40+ yrs
T130 Deodar Cedar <i>Cedrus deodara</i>	22	1	680	N E S W	7 5 5 4	2 2 2 2	EM	A: 209.2 R: 8.16	Good	C: Fair S: Good B: Good	Crown missing from 5-17m on north side due to failed branches; up-light affixed to base.	<b>B.1.2</b> 40+ yrs
T131 Apple <i>Malus sp.</i>	4.5	1	180	N E S W	2.5 2.5 2 2	2 2 2 2	EM	A: 14.7 R: 2.16	Fair	C: Fair S: Fair B: Good	Dysfunction at branch unions.	Estimated Measurements <b>C.1</b> 10+ yrs
T132 Cherry <i>Prunus sp.</i>	5	1	200	N E S W	2 2 1.5 1.5	1 1 1 1	SM	A: 18.1 R: 2.4	Dead	C: Poor S: Poor B: Poor	Standing dead tree.	Estimated Measurements <b>U</b> n/a
T133 Cherry <i>Prunus sp.</i>	12	1	270	N E S W	4 3 2 3	2 2 6 6	EM	A: 33 R: 3.24	Fair	C: Good S: Good B: Good	Lower than normal foliage density throughout crown; west growth in contact with dwelling.	<b>C.1</b> 10+ yrs
<b>Age Classifications:</b>	N	Newly planted	EM	Early Mature	<b>Condition:</b>	C	Crown	<b>Stems:</b>	Ø	Diameter		
	Y	Young	M	Mature		S	Stem		(Eq)	Equivalent stem diameter using BS5837:2012 definition		
	SM	Semi-mature	OM	Over Mature		B	Basal area					



Tree and Tag No Species	Hght (m)	Stems		Crown		Age	RP A (m <sup>2</sup> ) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations Survey Comment	Cat ERC	
		No	Ø (mm)	Spread (m)	Clear (m)							
Estimated Measurements												
T139 Apple <i>Malus sp.</i>	6	1	190	N	4	2	SM	A: 16.3 R: 2.27	Good	C: Fair S: Good B: Good	Asymmetrical crown distribution due to proximity of dominant companion trees.	<b>C.1</b> 10+ yrs
Estimated Measurements												
T140 Weeping Willow <i>Salix chrysocoma</i>	15	1	580	N	6	3	M	A: 152.2 R: 6.96	Dead	C: Poor S: Poor B: Poor	Fell :: Fell and remove stump(s) ----- Standing dead tree.	<b>U</b> n/a
Estimated Measurements												
T141 Weeping Willow <i>Salix chrysocoma</i>	12	1	750	N	2	2	M	A: 254.5 R: 9	Good	C: Fair S: Good B: Fair	----- Historically topped at 6m with regeneration up to 80mm diameter; necrotic bark at base on south side.	<b>B.1</b> 20+ yrs
Estimated Measurements												
T142 Sycamore <i>Acer pseudoplatanus</i>	21	2	799 (Eq)	N	8	3	M	A: 289.1 R: 9.59	Good	C: Good S: Good B: Good	----- Off site or boundary tree; one main stem with two subordinate stems from base; purple variety.	<b>A.1.2</b> 40+ yrs
Estimated Measurements												
T143 Common Lime <i>Tilia europaea</i>	14	1	420	N	4	2	EM	A: 79.8 R: 5.03	Good	C: Good S: Good B: Good	----- Off site or boundary tree; no significant features noted.	<b>B.1.2</b> 40+ yrs
Estimated Measurements												
T144 Common Horse Chestnut <i>Aesculus hippocastanum</i>	15	4	377 (Eq)	N	3	3	SM	A: 64.5 R: 4.53	Good	C: Good S: Fair B: Fair	Four codominant stems from base commensurate with stump regeneration; leaf minor moth present.	<b>B.1.2</b> 20+ yrs
<b>Age Classifications:</b>	N	Newly planted	EM	Early Mature	<b>Condition:</b>			C	Crown	<b>Stems:</b>	Ø	Diameter
	Y	Young	M	Mature				S	Stem		(Eq)	Equivalent stem diameter using BS5837:2012 definition
	SM	Semi-mature	OM	Over Mature				B	Basal area			

Tree and Tag No Species	Hght (m)	Stems		Crown		Age	RP A (m <sup>2</sup> ) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations Survey Comment	Cat ERC		
		No	Ø (mm)	Spread (m)	Clear (m)								
T145 Common Horse Chestnut <i>Aesculus hippocastanum</i>	11	2	255 (Eq)	N E S W	2 2 4 2	2	SM	A: 29.3 R: 3.05	Good	C: Fair S: Good B: Good	Two codominant stems from base; asymmetrical crown distribution due to proximity of dominant adjacent tree.	C.1 20+ yrs	
T146 Common Horse Chestnut <i>Aesculus hippocastanum</i>	22	1	910	N E S W	6 8 7 7	5	M	A: 374.7 R: 10.92	Good	C: Fair S: Good B: Good	Ivy obscures inspection of base, stem and branch unions at crown break; primary branch failure on north side at 8m, 270mm diameter stub remains.	A.1.2 40+ yrs	
T147 Common Horse Chestnut <i>Aesculus hippocastanum</i>	22	1	910	N E S W	7 7 7 7	5	M	A: 374.7 R: 10.92	Good	C: Fair S: Good B: Good	Ivy obscures inspection of base, stem and branch unions at crown break; no significant features noted.	A.1.2 40+ yrs	
T148 Weeping Willow <i>Salix chryscoma</i>	20	1	1100	N E S W	10 10 8 8	4	M	A: 547.5 R: 13.2	Good	C: Not visible S: Not visible B: Not visible	Access hindered by pond side position; ivy obscures inspection of base, stem and primary unions from ground level to 12m.	Estimated Measurements B.1.2 20+ yrs	
T149 Field Maple <i>Acer campestre</i>	13	1	500	N E S W	6 6 6 6	2	M	A: 113.1 R: 6	Good	C: Not visible S: Not visible B: Not visible	Estimated Measurements	A.1.2 40+ yrs	
T150 Common Hawthorn <i>Crataegus monogyna</i>	7	1	310	N E S W	3 4.5 3 2	3	M	A: 43.5 R: 3.72	Fair	C: Poor S: Good B: Fair	Boundary tree; wholly engulfed by ivy which obscures inspection of base, stem and all unions from base to apex.	C.1.2 10+ yrs	
<b>Age Classifications:</b>	N	Newly planted	EM	Early Mature				<b>Condition:</b>	C	Crown	<b>Stems:</b>	Ø	Diameter
	Y	Young	M	Mature					S	Stem		(Eq)	Equivalent stem diameter using BS5837:2012 definition
	SM	Semi-mature	OM	Over Mature					B	Basal area			

Tree and Tag No Species	Hght (m)	Stems		Crown		Age	RP A (m <sup>2</sup> ) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations Survey Comment	Cat ERC	
		No	Ø (mm)	Spread (m)	Clear (m)							
<b>T151</b>												
Weeping Willow <i>Salix chrysocoma</i>	12	1	840	N	3	2	M	A: 319.2 R: 10.07	Good	C: Fair S: Good B: Good	Historical storm damage resultant loss and tearing of main stem at 10m, remainder of tree topped to match; regeneration up to 90mm diameter.	<b>B.1.2</b> 20+ yrs
<b>T152</b>												
Field Maple <i>Acer campestre</i>	15	3	469 (Eq)	N	3	3	M	A: 99.6 R: 5.63	Good	C: Good S: Good B: Good	Boundary tree; three codominant stems from 1m commensurate with stump regeneration.	<b>A.1.2</b> 40+ yrs
<b>T153</b>												
Field Maple <i>Acer campestre</i>	15	3	550 (Eq)	N	4	3	M	A: 136.8 R: 6.59	Good	C: Good S: Good B: Good	Boundary tree; three codominant stems from 1m commensurate with stump regeneration; third stem 1m from other, but likely shares a root system and forms a single aerodynamic crown formation.	<b>A.1.2</b> 40+ yrs
<b>T154</b>											Estimated Measurements	
Field Maple <i>Acer campestre</i>	6	1	400	N	3	3	M	A: 72.4 R: 4.8	Dead	C: Poor S: Poor B: Poor	Standing dead tree wholly engulfed by ivy.	<b>U</b> n/a
<b>T155</b>											Estimated Measurements	
Field Maple <i>Acer campestre</i>	6	1	400	N	3	3	M	A: 72.4 R: 4.8	Dead	C: Poor S: Poor B: Poor	Standing dead tree wholly engulfed by ivy.	<b>U</b> n/a
<b>T156</b>											Estimated Measurements	
Goat Willow <i>Salix caprea</i>	7	2	189 (Eq)	N	4	2	SM	A: 16.1 R: 2.26	Good	C: Fair S: Fair B: Fair	Access to tree hampered by pond.	<b>C.1</b> 10+ yrs
<b>Age Classifications:</b>	N	Newly planted	EM	Early Mature	<b>Condition:</b>			C	Crown	<b>Stems:</b>	Ø	Diameter
	Y	Young	M	Mature				S	Stem		(Eq)	Equivalent stem diameter using BS5837:2012 definition
	SM	Semi-mature	OM	Over Mature				B	Basal area			

Tree and Tag No Species	Hght (m)	Stems		Crown		Age	RP A (m <sup>2</sup> ) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations Survey Comment	Cat ERC		
		No	Ø (mm)	Spread (m)	Clear (m)								
<b>T157</b>													
Silver Birch <i>Betula pendula</i>	6	1	230	N	3.5	2	SM	A: 23.9 R: 2.75	Good	C: Good S: Good B: Good	No significant features noted.	<b>C.1</b> 20+ yrs	
<b>T158</b>													
Silver Birch <i>Betula pendula</i>	12	1	450	N	5	3	M	A: 91.6 R: 5.39	Good	C: Good S: Good B: Good	Lower than normal foliage density in upper crown; primary branch removed at 2.5m on south side, dysfunction below pruning wound evidenced by woodpecker activity; up-light affixed to base.	<b>C.1</b> 10+ yrs	
<b>T159</b>											Estimated Measurements		
Common Lime <i>Tilia europaea</i>	18	1	600	N	5	2	M	A: 162.9 R: 7.2	Fair	C: Good S: Good B: Not visible	Historically topped at 14m; base not visible for inspection behind basal growth to 1.5m.	<b>A.1.2</b> 40+ yrs	
<b>T160</b>											Estimated Measurements		
Common Lime <i>Tilia europaea</i>	18	1	600	N	5	2	M	A: 162.9 R: 7.2	Fair	C: Good S: Good B: Not visible	Historically topped at 14m; base not visible for inspection behind basal growth to 1.5m.	<b>A.1.2</b> 40+ yrs	
<b>T161</b>													
Goat Willow <i>Salix caprea</i>	12	4	345 (Eq)	N	3.5	2	EM	A: 53.8 R: 4.13	Good	C: Good S: Fair B: Fair	Grows from pond edge.	<b>C.1</b> 10+ yrs	
<b>T162</b>													
Weeping Willow <i>Salix chrysocoma</i>	7	1	560	N	5	3	M	A: 141.9 R: 6.72	Good	C: Not visible S: Not visible B: Not visible	Ivy wholly obscures inspection of base, stem and unions from ground level to apex; appears to have been historically topped at 5m.	<b>B.1.2</b> 20+ yrs	
<b>Age Classifications:</b>	N	Newly planted	EM	Early Mature				<b>Condition:</b>	C	Crown	<b>Stems:</b>	Ø	Diameter
	Y	Young	M	Mature					S	Stem		(Eq)	Equivalent stem diameter using BS5837:2012 definition
	SM	Semi-mature	OM	Over Mature					B	Basal area			

Tree and Tag No Species	Hght (m)	Stems		Crown		Age	RP A (m <sup>2</sup> ) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations Survey Comment	Cat ERC	
		No	Ø (mm)	Spread (m)	Clear (m)							
<b>T163</b>												
Common Yew <i>Taxus baccata</i>	10	1	510	N E S W	4 4 4 4	2 2 2 2	M A: 117.7 R: 6.12	Fair	C: Good S: Not visible B: Not visible	Ivy wholly obscures inspection of base and stem to 2m; less dense ivy to apex; lower than normal foliage density throughout crown.	<b>B.1</b> 40+ yrs	
<b>T164</b>												
Silver Birch <i>Betula pendula</i>	6	1	170	N E S W	3 4 1.5 1	2 2 2 2	SM A: 13.1 R: 2.04	Good	C: Fair S: Good B: Good	Asymmetrical crown distribution due to proximity of dominant adjacent tree.	<b>C.1</b> 20+ yrs	
<b>T165</b>												
Apple <i>Malus sp.</i>	6	1	280	N E S W	1 1 1 2.5	2 2 2 2	EM A: 35.5 R: 3.36	Fair	C: Good S: Fair B: Fair	Asymmetrical crown distribution due to loss of eastern primary branch.	<b>C.1</b> 10+ yrs	
<b>T166</b>												
Apple <i>Malus sp.</i>	6	1	180	N E S W	3 3 2 3	2 2 2 2	EM A: 14.7 R: 2.16	Fair	C: Fair S: Good B: Fair	Grows from gravel driveway.	<b>C.1</b> 10+ yrs	
<b>T167</b>												
Blackthorn <i>Prunus spinosa</i>	7	1	300	N E S W	1 4 4 3	3 3 2 3	M A: 40.7 R: 3.59	Fair	C: Not visible S: Fair B: Good	Wholly engulfed by ivy; stem in contact with garage at 1.7m.	<b>C.1</b> 20+ yrs	
<b>T168</b>												
Leyland Cypress <i>X Cupressocyparis leylandii</i>	16	1	460	N E S W	1.5 2 4 4	2 2 2 4	EM A: 95.7 R: 5.51	Fair	C: Poor S: Fair B: Good	Multiple stems from 1m typical of the species; stem failure on east side at 1.5m, also typical of the species.	<b>C.1</b> 10+ yrs	
<b>Age Classifications:</b>	N	Newly planted	EM	Early Mature			<b>Condition:</b>	C	Crown	<b>Stems:</b>	Ø	Diameter
	Y	Young	M	Mature				S	Stem		(Eq)	Equivalent stem diameter using BS5837:2012 definition
	SM	Semi-mature	OM	Over Mature				B	Basal area			

Tree and Tag No Species	Hght (m)	Stems		Crown		Age	RP A (m <sup>2</sup> ) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations Survey Comment	Cat ERC
		No	Ø (mm)	Spread (m)	Clear (m)						
W001										Estimated Measurements	
Various <i>See comments for details</i>	8	1	200	N	3	2	EM	A: 18.1 R: 2.4	Good	C: Good S: Good B: Good	<b>B.2.3</b> 40+ yrs
				E	3	2				A woodland group planted approximately 30years ago; the woodland is in two layers, the dimensions recorded are of the understory layer which includes field maple, elder, Prunus spp., cherry laurel; the upper storey is Scots pine, Austrian pine and larch, these are up to 20m and 350mm diameter, but are away from the woodland edge.	
				S	3	2					
				W	3	2					
<b>Age Classifications:</b>	N	Newly planted	EM	Early Mature							
	Y	Young	M	Mature							
	SM	Semi-mature	OM	Over Mature							
<b>Condition:</b>	C	Crown									
	S	Stem									
	B	Basal area									
<b>Stems:</b>	Ø	Diameter									
	(Eq)	Equivalent stem diameter using BS5837:2012 definition									

## Appendix 3: Tree Constraints Plan

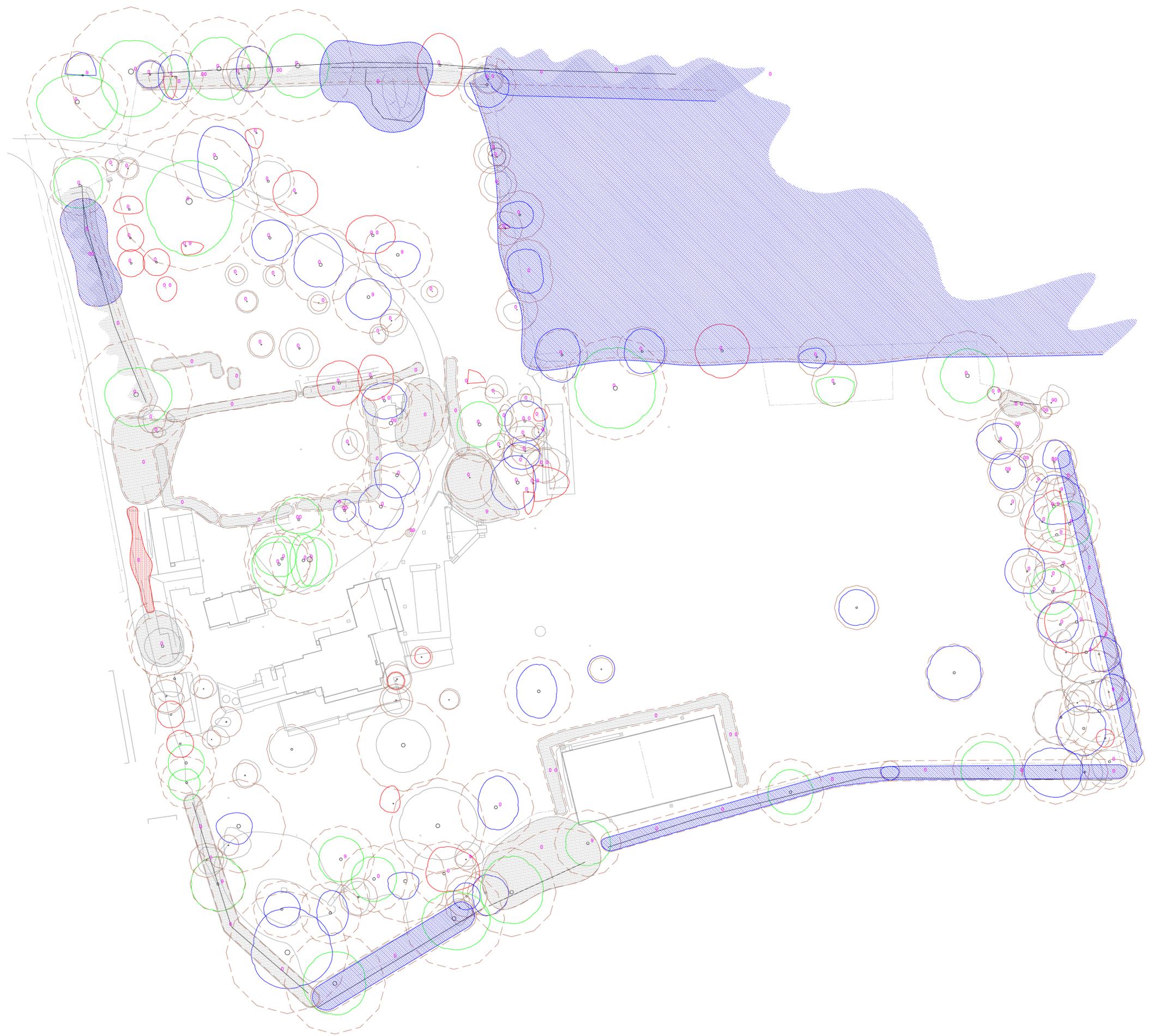
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