

Arboricultural Survey to BS5837:2012

David Tait

**Land at Reed House,
Jackson's Lane,
Reed,
Royston,
Hertfordshire,**

SG8 8AB

28 March 2024

Alan Smith TechArborA

Table of Contents

If this report has been released electronically the appendices referred to herein can be found in the annexed zip folder/s as .pdf files. If this report has been released in hard copy the appendices will be bound into the back of this report. Plans are annexed separately as A0, A1, A2 or A3 as appropriate.

1. Introduction	2
2. Survey	2
3. BS5837:2012 Scope	6
4. Methodology	6
5. Definitions.....	8
6. Limitations	9
7. Appendices	10
Appendix 1: Table 1 Cascade chart for tree quality assessment	11
Appendix 2: Schedule of Trees	13
Appendix 3: Tree Constraints Plan.....	30
8. Document Production Record	32

1. Introduction

Arbtech Consulting Limited (Arbtech) received written instruction on 04 March 2024 from David Tait to attend Land at Reed House, Jackson's Lane, Reed, Royston, Hertfordshire, SG8 8AB; grid reference, TL 36385 36497 (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 and Arboricultural Impact Assessment.

I am Alan Smith, an arboricultural surveyor at Arbtech Consulting Ltd. I undertook the tree survey on 20 March 2024 and subsequently have produced this summary of my findings.

I have 15No. years of experience in Arboriculture. I hold a BTEC Level 3 in Arboriculture and the LANTRA Professional Tree Inspector qualification.

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	4703-1
LPA pre-app comments	N/A
British Standard 5837:2012	"BS5837"
Tree Survey Schedule	Arbtech TS 01
Tree Constraints Plan	Arbtech TCP 01

2. Survey

Survey: An arboricultural survey to BS5837 of all trees within impacting distance of the site was undertaken by Alan Smith on 20 March 2024.

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 66No. individual trees, 14No. groups of trees and 09No. hedges were surveyed. Details for each of the trees surveyed are provided in the Schedule of Trees (see Appendix 2).

Multiple small trees and shrubs occupy the site, none of which meet the minimum diameter requirements to be considered for this survey.

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

Document	Originator	Reference Number	Title
Survey Base Drawing	Ratcliff Land & Engineering Surveys Ltd	4703-1	Topographical Survey

Limitations: The survey was made at ground level using visual observation only. Detailed examinations, such as climbing inspections and advanced 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 situated at the rear of Reed House, Jackson's Lane, Reed and comprises approximately 3.54 Acres of land, with an access point located along the north boundary via The Joint. The site is populated throughout with a variety of trees, shrubs and boundary hedges of predominantly moderate quality. The surrounding area is rural in nature.

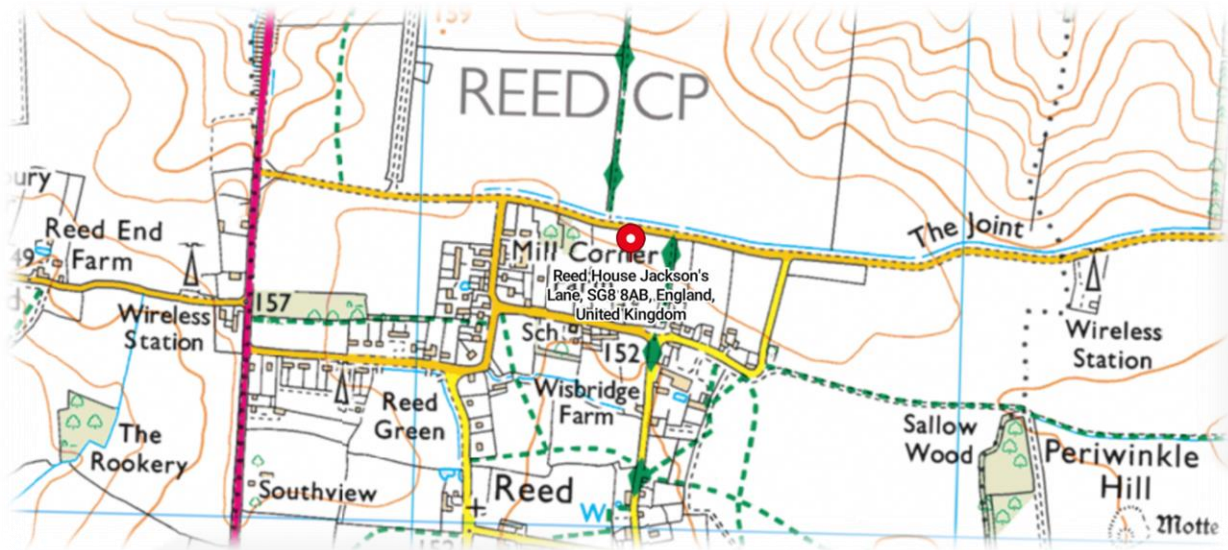


Figure 1: OS Map showing site location (Bing Maps)



Figure 2: Aerial Image of site with approximate red line boundary denoting area surveyed (Google Earth)

Proposed scheme

Housing development on land to the rear of Reed House.



Figure 3: Proposed scheme, drawing No. S1017-PL22.P4 (Sapele Design Limited)

This content is for educational and informative purposes; parts of it are reproduced with the kind permission of BSI Global.

3. 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.

4. 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:

- a) reference number (to be recorded on the tree survey plan);
- b) species (common or scientific names);
- c) height in meters (m);
- d) stem diameter in millimetres (mm) at 1.5m above adjacent ground level or immediately above the root flare for multi-stemmed trees;
- e) branch spread in meters taken at the four cardinal compass points;
- f) height of crown clearance above adjacent ground level in meters (m);
- g) age class (newly planted, young, semi-mature, early mature, mature, over mature);
- h) physiological condition (e.g. good, fair, poor, decline and dead);
- i) structural condition (e.g. good, fair, poor or not visible);
- j) comment about the tree, its location and preliminary management recommendations, including further investigation of suspected defects that require more detailed assessment and potential for wildlife habitat;
- k) 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 Appendix 1 Cascade chart for tree quality assessment).

5. 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 plan, typically delivered as an AutoCAD drawing (.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 m².

Construction Exclusion Zone (also termed Tree Protection Zone)

A construction exclusion or tree protection zone is an area based on the RPA (in m²), 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 (AIA)

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 (TPP)

A TPP is 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 (AMS)

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.

6. 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.

7. Appendices

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

- Survey Schedule (.PDF)
- Tree Constraints Plan drawing (.DWG & .PDF)

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

Yours Sincerely,



Alan Smith TechArborA
Arboricultural Surveyor



alansmith@arbtech.co.uk

Appendix 1: Table 1 Cascade chart for tree quality assessment

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. <i>NOTE Category U trees can have existing or potential conservation value which might be desirable to preserve; see 4.5.7.</i>			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

This content is for educational and informative purpose and has been reproduced with the kind permission of BSI Global

Arbtech Consulting Limited is registered in England and Wales: 05678552. VAT: GB903660148

Ecology – Protected Species - Licensing – Arboriculture – Biodiversity Net Gain – Land/Topographical Survey

Appendix 2: Schedule of Trees

BS5837:2012 Tree Survey

Arbtech Consulting Limited

Client: David Tait
 Project: Land at Reed House, Jackson's Lane, Reed, Royston, Hertfordshire, SG8 8AB
 Survey Date: 20/03/2024 - 21/03/2024
 Surveyor: Alan Smith

Unit 3
 Well House Barns
 Chester
 Cheshire
 CH4 0DH
 Phone: 07706323231

Tree and Tag No Species		Hght (m)	Stems		Crown		Age	RP A (m²) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations			Cat ERC
			No	Ø (mm)	Spread (m)	Clear (m)					Survey Comment			
G01												Estimated Measurements		
A Group		15	1	640	N	4	1	M	A: 185.3	Good	C: Good		C.2	
See comments for details					E	4	1		R: 7.68		S: Good	Group comprised of Lawson's cypress, poplar, willow, ash, cherry laurel and yew; trees share a combined canopy; good overall condition throughout; no individual stem positions included in topographical survey; recorded measurements are indicative of the largest dimensions within the group.	10+ yrs	
					S	4	1				B: Good			
					W	4	1							
G02												Estimated Measurements		
A Group		12	1	200	N	3	5	M	A: 18.1	Fair	C: Fair		C.2	
See comments for details					E	3	5		R: 2.4		S: Fair	Off-site group located along the east site boundary, comprised of silver birch species; slightly sparse crowns; lower stems and basal area obscured by boundary hedge; fair overall condition; recorded measurements are estimates due to limited access and are indicative of the maximum dimensions within the group.	10+ yrs	
					S	3	5				B: Not visible			
					W	3	5							
G03												Estimated Measurements		
A Group		4	1	200	N	1.5	0.5	EM	A: 18.1	Good	C: Good		C.2	
See comments for details					E	1.5	0.5		R: 2.4		S: Good	Collection 13No. sheared Lawson's cypress trees; regularly maintained to current height/shape; no other significant/notable features; good overall condition throughout; recorded measurements are indicative of the largest dimensions within the group.	10+ yrs	
					S	1.5	0.5				B: Good			
					W	1.5	0.5							
Age Classifications:		N	Newly planted	EM	Early Mature		Condition:		C	Crown	Stems:		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	ERC:		Estimated Remaining Contribution	

Tree and Tag No Species			Hght (m)	Stems		Crown		Age	RP A (m²) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations			Cat ERC	
				No	Ø (mm)	Spread (m)	Clear (m)					Survey Comment				
G04												Estimated Measurements				
A Group			6	1	150	N	2	0	SM	A: 10.2	Good	C: Good	C.2			
See comments for details						E	2	0		R: 1.8		S: Good	10+ yrs			
						S	2	0				B: Good				
						W	2	0								
G05												Estimated Measurements				
A Group			6	1	190	N	4	0.5	M	A: 16.3	Good	C: Good	B.1.2			
See comments for details						E	4	0.5		R: 2.27		S: Good	20+ yrs			
						S	4	0.5				B: Good				
						W	4	0.5								
G06												Estimated Measurements				
A Group			5	1	150	N	2.5	0	Y	A: 10.2	Good	C: Good	C.2			
See comments for details						E	2.5	0		R: 1.8		S: Good	10+ yrs			
						S	2.5	0				B: Good				
						W	2.5	0								
G07												Estimated Measurements				
A Group			10	1	350	N	4	0.5	M	A: 55.4	Good	C: Good	C.2			
See comments for details						E	4	0.5		R: 4.19		S: Good	20+ yrs			
						S	4	0.5				B: Good				
						W	4	0.5								
G08												Estimated Measurements				
A Group			15	1	400	N	4.5	1	M	A: 72.4	Good	C: Good	B.2			
See comments for details						E	4.5	1		R: 4.8		S: Good	20+ yrs			
						S	4.5	1				B: Good				
						W	4.5	1								
Age Classifications:			N	Newly planted	EM	Early Mature		Condition:		C	Crown	Stems:			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	ERC:			Estimated Remaining Contribution	

Tree and Tag No Species		Hght (m)	Stems		Crown		Age	RP A (m²) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations			Cat ERC
			No	Ø (mm)	Spread (m)	Clear (m)					Survey Comment			
G09												Estimated Measurements		
A Group		2.5	1	100	N	2	0.5	Y	A: 4.5	Good	C: Good			C.2
See comments for details					E	2	0.5		R: 1.19		S: Good	Small cluster of Leyland/Lawson's cypress trees; topped at current height; no other significant/notable features; good overall condition throughout.		20+ yrs
					S	2	0.5				B: Good			
					W	2	0.5							
G10												Estimated Measurements		
A Group		15	1	360	N	4	5	M	A: 58.6	Good	C: Good			B.2
See comments for details					E	4	5		R: 4.31		S: Good	Linear group of Hybrid black poplar trees located along the north site boundary, just beyond the boundary hedge; good overall condition throughout; recorded measurements are indicative of the largest dimensions within the group.		20+ yrs
					S	4	5				B: Good			
					W	4	5							
G11												Estimated Measurements		
A Group		9	3	688 (Eq)	N	6	2	M	A: 214.1	Fair	C: Fair			C.2
See comments for details					E	6	2		R: 8.25		S: Fair	Boundary group, comprised of field maple and elder species; fair overall condition throughout; recorded measurements are indicative of the largest dimensions within the group.		10+ yrs
					S	6	2				B: Fair			
					W	6	2							
G12												Estimated Measurements		
A Group		15	1	350	N	4	5	M	A: 55.4	Good	C: Good			B.2
See comments for details					E	4	5		R: 4.19		S: Good	Off-site group, comprised of poplar and ash; good overall condition; recorded measurements are estimates due to limited access and indicative of the maximum dimensions within the group.		20+ yrs
					S	4	5				B: Not visible			
					W	4	5							
G13												Estimated Measurements		
A Group		3.5	1	130	N	2	0.5	M	A: 7.6	Fair	C: Fair			C.2
See comments for details					E	2	0.5		R: 1.55		S: Fair	Small cluster of cypress trees; historically topped at current height; no other significant/notable features; fair overall condition; recorded measurements are indicative of the largest dimensions within the group.		10+ yrs
					S	2	0.5				B: Good			
					W	2	0.5							
G14												Estimated Measurements		
A Group		7	1	200	N	2	0	EM	A: 18.1	Good	C: Good			C.2
See comments for details					E	2	0		R: 2.4		S: Good	Small cluster of cypress trees; no significant/notable features; good overall condition; recorded measurements are indicative of the largest dimensions within the group.		20+ yrs
					S	2	0				B: Good			
					W	2	0							
Age Classifications:	N	Newly planted	EM	Early Mature	Condition:		C	Crown	Stems:		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	ERC:		Estimated Remaining Contribution			

Tree and Tag No Species		Hght (m)	Stems		Crown		Age	RP A (m²) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations			Cat ERC
			No	Ø (mm)	Spread (m)	Clear (m)					Survey Comment			
H01												Estimated Measurements		
A Hedge		3	1	180	N	1	0	M	A: 14.7	Fair	C: Fair			C.2
See comments for details					E	1	0		R: 2.16		S: Fair	Linear boundary hedge, comprised of Leyland cypress species; regularly maintained at current height; no significant/notable features; fair overall condition; recorded measurements are indicative of the largest dimensions within the group; position estimated due to exclusion from topographical survey.		20+ yrs
					S	1	0				B: Fair			
					W	1	0							
H02												Estimated Measurements		
A Hedge		7	1	100	N	2	0	M	A: 4.5	Fair	C: Fair			C.2
See comments for details					E	2	0		R: 1.19		S: Fair	Linear boundary hedge, comprised of Leyland cypress species; no significant/notable features; fair overall condition; recorded measurements are indicative of the largest dimensions within the group.		20+ yrs
					S	2	0				B: Fair			
					W	2	0							
H03												Estimated Measurements		
A Hedge		6	1	200	N	1.5	0.5	M	A: 18.1	Good	C: Fair			C.2
See comments for details					E	1.5	0.5		R: 2.4		S: Good	Well-maintained linear hedge, comprised of Lawson's cypress species; trees form a continuous canopy; good overall condition throughout; recorded measurements are indicative of the largest dimensions within the group.		20+ yrs
					S	1.5	0.5				B: Good			
					W	1.5	0.5							
H04												Estimated Measurements		
A Hedge		2.5	1	150	N	2	0	M	A: 10.2	Good	C: Good			C.2
See comments for details					E	2	0		R: 1.8		S: Good	Sheared cherry laurel hedge; no significant/notable features; good overall condition; recorded measurements are indicative of the largest dimensions within the group.		10+ yrs
					S	2	0				B: Good			
					W	2	0							
H05												Estimated Measurements		
A Hedge		5	1	200	N	1.5	0	M	A: 18.1	Good	C: Fair			C.2
See comments for details					E	1.5	0		R: 2.4		S: Good	Well-maintained linear hedge, comprised of Leyland/Lawson's cypress species; trees form a continuous canopy and serve as a low-level boundary screen; good overall condition throughout; recorded measurements are indicative of the largest dimensions within the group.		20+ yrs
					S	1.5	0				B: Good			
					W	1.5	0							
Age Classifications:		N	Newly planted	EM	Early Mature		Condition:		C	Crown	Stems:		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	ERC:		Estimated Remaining Contribution	

Tree and Tag No Species		Hght (m)	Stems		Crown		Age	RP A (m²) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations			Cat ERC
			No	Ø (mm)	Spread (m)	Clear (m)					Survey Comment			
H06												Estimated Measurements		
A Hedge		2.5	1	150	N	2	0	M	A: 10.2	Good	C: Good			C.2
See comments for details					E	2	0		R: 1.8		S: Good	Sheared cherry laurel hedge; no significant/notable features; good overall condition; recorded measurements are indicative of the largest dimensions within the group.		10+ yrs
					S	2	0				B: Good			
					W	2	0							
H07												Estimated Measurements		
A Hedge		7	1	120	N	2.5	1	M	A: 6.5	Fair	C: Fair			C.2
See comments for details					E	2.5	1		R: 1.43		S: Fair	Linear boundary hedge, comprised of hawthorn; no significant/notable features; fair overall condition; recorded measurements are indicative of the largest dimensions within the group.		20+ yrs
					S	2.5	1				B: Fair			
					W	2.5	1							
H08												Estimated Measurements		
A Hedge		5	1	200	N	1.5	0	M	A: 18.1	Good	C: Fair			C.2
See comments for details					E	1.5	0		R: 2.4		S: Good	Boundary hedge, topped at current height; fair overall condition. Lawson's Leyland cherry laurel		20+ yrs
					S	1.5	0				B: Good			
					W	1.5	0							
H09												Estimated Measurements		
A Hedge		2	1	80	N	0.5	0	SM	A: 2.9	Good	C: Good			C.2
See comments for details					E	0.5	0		R: 0.96		S: Good	Small section of sheared Leyland cypress hedge; regularly maintained at current height; no other significant/notable features; good overall condition; recorded measurements are indicative of the largest dimensions within the group.		20+ yrs
					S	0.5	0				B: Good			
					W	0.5	0							
T01														
Weeping Willow		12	1	830	N	7	0.5	M	A: 311.7	Good	C: Fair			B.1
Salix chrysocoma					E	5.5	0.5		R: 9.96		S: Good	Typical form of species; minor to moderate deadwood (25-50mm) throughout crown; fair overall condition; stem position estimated due to exclusion from topographical survey.		20+ yrs
					S	7	0.5				B: Good			
					W	7	2.5							
T02														
Norway Spruce		12	1	370	N	3	2	M	A: 61.9	Good	C: Fair			B.1
Picea abies					E	4.5	0.5		R: 4.43		S: Good	Typical form of species; sparse crown to the north aspect due to proximity of dominant neighbouring tree; fair overall condition; stem position estimated due to exclusion from topographical survey.		20+ yrs
					S	2.5	0.5				B: Good			
					W	2.5	3							
Age Classifications:	N	Newly planted	EM	Early Mature			Condition:	C	Crown	Stems:	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	ERC:	Estimated Remaining Contribution			

Tree and Tag No Species	Hght (m)	Stems		Crown		Age	RP A (m²) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations			Cat ERC
		No	Ø (mm)	Spread (m)	Clear (m)					Survey Comment			
T03											Estimated Measurements		
Norway Spruce <i>Picea abies</i>	10	1	270	N	2	7	M	A: 33 R: 3.24	Good	C: Fair S: Good B: Good	Typical form of species; slightly suppressed by neighbouring tree; fair overall condition; stem position estimated due to exclusion from topographical survey.		B.1 20+ yrs
T04											Estimated Measurements		
Weeping Willow <i>Salix chrysocoma</i>	15	1	430	N	4.5	1	M	A: 83.7 R: 5.16	Fair	C: Fair S: Good B: Good	Typical form of species; minor to moderate deadwood (25-50mm) throughout crown; fair overall condition; stem position estimated due to exclusion from topographical survey.		B.1 20+ yrs
T05											Estimated Measurements		
Weeping Willow <i>Salix chrysocoma</i>	15	1	440	N	4.5	5	M	A: 87.6 R: 5.28	Fair	C: Fair S: Good B: Good	Typical form of species; minor to moderate deadwood (25-50mm) throughout crown; fair overall condition; stem position estimated due to exclusion from topographical survey.		B.1 20+ yrs
T06											Estimated Measurements		
Weeping Willow <i>Salix chrysocoma</i>	16	1	630	N	9	3	M	A: 179.6 R: 7.56	Good	C: Fair S: Good B: Good	Typical form of species; historic tear-out wound to south aspect of crown; minor to moderate deadwood (25-50mm) throughout; fair overall condition.		B.1 20+ yrs
T07											Estimated Measurements		
Weeping Willow <i>Salix chrysocoma</i>	15	1	660	N	9	0	M	A: 197.1 R: 7.92	Good	C: Fair S: Good B: Good	Typical form of species; historic tear-out wound to south aspect of crown; minor to moderate deadwood (25-50mm) throughout; fair overall condition.		B.1 20+ yrs
T08											Estimated Measurements		
Pear <i>Pyrus sp.</i>	3	1	150	N	1.5	1	M	A: 10.2 R: 1.8	Fair	C: Fair S: Fair B: Fair	No significant/notable features; fair overall condition.		C.1 10+ yrs
Age Classifications:	N Y SM	Newly planted Young Semi-mature	EM M OM	Early Mature Mature Over Mature	Condition:		C S B	Crown Stem Basal area	Stems:	Ø (Eq)	Diameter Equivalent stem diameter using BS5837:2012 definition	ERC:	Estimated Remaining Contribution

Tree and Tag No Species		Hght (m)	Stems		Crown		Age	RP A (m²) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations			Cat ERC
			No	Ø (mm)	Spread (m)	Clear (m)					Survey Comment			
T09														
Weeping Willow <i>Salix chrysocoma</i>		12	1	550	N	7	0.5	M	A: 136.9	Good	C: Fair			B.1
					E	4	0.5		R: 6.6		S: Good	Typical form of species; minor to moderate deadwood (25-50mm) throughout crown; fair overall condition.	20+ yrs	
					S	6	2				B: Good			
					W	8	0.5							
T10														
Deodar Cedar <i>Cedrus deodara</i>		10.5	1	310	N	4	0	EM	A: 43.5	Good	C: Good			B.1
					E	4	0		R: 3.72		S: Good	Typical form of species; no significant/notable features; good structural and physiological condition.	20+ yrs	
					S	3	0				B: Good			
					W	3.5	0							
T11														
Common Laburnum <i>Laburnum anagyroides</i>		5	1	230	N	3	0.5	M	A: 23.9	Fair	C: Fair			C.1
					E	2.5	1		R: 2.75		S: Good	Minor deadwood (<25mm) throughout crown; slight southward crown suppression due to proximity to dominant neighbouring tree; fair overall condition.	10+ yrs	
					S	3	2				B: Good			
					W	2	1							
T12														
Sitka Spruce <i>Picea sitchensis</i>		4.5	1	120	N	0.5	2.5	Y	A: 6.5	Fair	C: Fair			C.1
					E	1.5	0.5		R: 1.43		S: Fair	Sparse foliage to the north and east aspects due to suppression from dominant neighbouring tree; no other significant/notable features; fair overall condition.	10+ yrs	
					S	2	0				B: Good			
					W	1.5	0							
T13												Estimated Measurements		
Lawson Cypress <i>Chamaecyparis lawsoniana</i>		5	1	150	N	2.5	0	SM	A: 10.2	Good	C: Good			C.1
					E	2.5	0		R: 1.8		S: Good	Typical form of species; no significant/notable features; good overall condition.	10+ yrs	
					S	3	0				B: Good			
					W	2.5	0							
T14														
Weeping Willow <i>Salix chrysocoma</i>		12.5	1	530	N	6.5	3	M	A: 127.1	Good	C: Fair			B.1
					E	6.5	3		R: 6.36		S: Good	Typical form of species; stem bifurcates at approx. 2m, good union; failed, hung-up branches within crown; minor to moderate deadwood (25-50mm) throughout; fair overall condition.	20+ yrs	
					S	3.5	1				B: Good			
					W	8	1							
Age Classifications:		N	Newly planted	EM	Early Mature		Condition:		C	Crown	Stems:		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	ERC:		Estimated Remaining Contribution	

Tree and Tag No Species	Hght (m)	Stems		Crown		Age	RP A (m²) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations			Cat ERC
		No	Ø (mm)	Spread (m)	Clear (m)					Survey Comment			
T15													
Weeping Willow <i>Salix chrysocoma</i>	12.5	1	650	N	7.5	0.5	M	A: 191.2 R: 7.8	Good	C: Fair S: Good B: Good	Typical form of species; superficial bark wounding to exposed surface root, north of basal area (extends to approx. 3m from stem); hazard beam located at the lowest point of south aspect of crown; historic pruning of lower crown for height clearance evident; minor to moderate deadwood (25-50mm) throughout crown; good overall condition.		B.1 20+ yrs
T16													
Norway Maple <i>Acer platanoides</i>	6.5	1	190	N	3.5	2	SM	A: 16.3 R: 2.27	Good	C: Good S: Good B: Good	Typical form of species; no significant/notable features; good overall condition.		B.1 20+ yrs
T17													
Norway Maple <i>Acer platanoides</i>	5	1	150	N	2.5	2	SM	A: 10.2 R: 1.8	Good	C: Good S: Good B: Good	Typical form of species; no significant/notable features; good overall condition.		C.1 20+ yrs
T18													
Norway Maple <i>Acer platanoides</i>	6	1	140	N	2.5	2	SM	A: 8.9 R: 1.68	Good	C: Good S: Good B: Good	Typical form of species; no significant/notable features; good overall condition.		C.1 20+ yrs
T19													
Norway Maple <i>Acer platanoides</i>	6	1	130	N	2.5	2	SM	A: 7.6 R: 1.55	Good	C: Good S: Good B: Good	Typical form of species; no significant/notable features; good overall condition.		C.1 20+ yrs
Age Classifications:	N Y SM	Newly planted Young Semi-mature	EM M OM	Early Mature Mature Over Mature	Condition:		C S B	Crown Stem Basal area	Stems:	Ø Diameter (Eq) Equivalent stem diameter using BS5837:2012 definition	ERC:		Estimated Remaining Contribution

Tree and Tag No Species	Hght (m)	Stems		Crown		Age	RP A (m²) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations			Cat ERC
		No	Ø (mm)	Spread (m)	Clear (m)					Survey Comment			
T20													
Scots Pine <i>Pinus sylvestris</i>	8.5	1	290	N E S W	2.5 2 4 4	1.5 3 0.5 0.5	EM A: 38.1 R: 3.48	Good	C: Good S: Good B: Good	Typical form of species; crown contains a small amount of minor deadwood (<25mm) throughout; good overall condition.			B.1 20+ yrs
T21													
Scots Pine <i>Pinus sylvestris</i>	7	1	230	N E S W	1 4 2 2.5	3 3.5 3.5 3.5	EM A: 23.9 R: 2.75	Good	C: Fair S: Good B: Good	Typical form of species; crown contains a small amount of minor deadwood (<25mm) throughout; good overall condition.			B.1 20+ yrs
T22													
Hybrid Black Poplar <i>Populus x canadensis</i>	16.5	1	420	N E S W	5.5 5.5 4 4	3.5 5 6 4.5	EM A: 79.8 R: 5.03	Good	C: Good S: Good B: Good	Typical form of species; no significant/notable features; good structural and physiological condition.			B.1 20+ yrs
T23													
Scots Pine <i>Pinus sylvestris</i>	8	1	190	N E S W	2 1 0.5 2.5	3 3 2 1	SM A: 16.3 R: 2.27	Fair	C: Fair S: Good B: Good	Suppressed form due to proximity of dominant neighbouring trees; sparse crown foliage; fair overall condition.			C.1 20+ yrs
T24													
Common Oak <i>Quercus robur</i>	13	1	330	N E S W	4 2.5 5 6	3 4 0.5 0	M A: 49.3 R: 3.96	Good	C: Good S: Good B: Good	Typical form of species; minor to moderate deadwood (25-50mm) throughout crown; good structural and physiological condition.			B.1 20+ yrs
T25													
Silver Birch <i>Betula pendula</i>	6	1	120	N E S W	0 0 0 0	0 0 0 0	SM A: 6.5 R: 1.43	Dead	C: Poor S: Poor B: Poor	Dead stem; unretainable.			U <10 yrs
Age Classifications:	N Y SM	Newly planted Young Semi-mature	EM M OM	Early Mature Mature Over Mature	Condition:		C S B	Crown Stem Basal area	Stems:		Ø (Eq)	Diameter Equivalent stem diameter using BS5837:2012 definition	ERC: Estimated Remaining Contribution

Tree and Tag No Species	Hght (m)	Stems		Crown		Age	RP A (m²) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations			Cat ERC
		No	Ø (mm)	Spread (m)	Clear (m)					Survey Comment			
T26													
Poplar <i>Populus sp.</i>	18	1	450	N	6	3	EM	A: 91.6 R: 5.39	Good	C: Good S: Good B: Good	Typical form of species; exposed surface roots to the east of basal area; no other significant/notable features; good structural and physiological condition.	B.1 20+ yrs	
T27													
Common Horse Chestnut <i>Aesculus hippocastanum</i>	8	2	290 (Eq)	N	5.5	0.5	EM	A: 38.1 R: 3.48	Good	C: Good S: Good B: Good	Stem bifurcates at approx. 0.5m in to two primary stem; no other significant/notable features; good structural and physiological condition.	B.1 20+ yrs	
T28													
Bhutan Pine <i>Pinus wallichiana</i>	9	1	350	N	4	0.5	EM	A: 55.4 R: 4.19	Decline	C: Poor S: Fair B: Fair	Sparse foliage and exhibiting extensive dieback evident across the entire crown; tree is in decline and has a limited remaining lifespan.	U <10 yrs	
T29													
Common Oak <i>Quercus robur</i>	8.5	1	170	N	3	3	SM	A: 13.1 R: 2.04	Fair	C: Fair S: Good B: Good	Typical form of species; no significant/notable features; good overall condition.	B.1 20+ yrs	
T30													
Cherry <i>Prunus sp.</i>	7	1	170	N	3.5	2.5	SM	A: 13.1 R: 2.04	Good	C: Good S: Good B: Good	Typical form of species; no significant/notable features; good overall condition.	B.1 20+ yrs	
T31													
Silver Birch <i>Betula pendula</i>	6	1	140	N	1.5	3	EM	A: 8.9 R: 1.68	Fair	C: Fair S: Fair B: Fair	Suppressed form due to proximity of dominant neighbouring trees; no other significant/notable features; fair overall condition.	C.1 10+ yrs	
Age Classifications:	N Y SM	Newly planted Young Semi-mature	EM M OM	Early Mature Mature Over Mature	Condition:		C S B	Crown Stem Basal area	Stems:	Ø Diameter (Eq) Equivalent stem diameter using BS5837:2012 definition	ERC:	Estimated Remaining Contribution	

Tree and Tag No Species	Hght (m)	Stems		Crown		Age	RP A (m²) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations			Cat ERC
		No	Ø (mm)	Spread (m)	Clear (m)					Survey Comment			
T32													
Weeping Willow <i>Salix chrysocoma</i>	10	1	340	N	3.5	4	EM	A: 52.3 R: 4.08	Good	C: Good S: Good B: Good	Typical form of species; crown contains a small amount of minor to moderate deadwood (25-50mm) throughout; good overall condition.	B.1 20+ yrs	
				E	3.5	3							
				S	5.5	2							
				W	8	2							
T33													
Goat Willow <i>Salix caprea</i>	5	1	200	N	3	2	SM	A: 18.1 R: 2.4	Good	C: Fair S: Good B: Good	Suppressed form due to proximity of dominant neighbouring tree; no other significant/notable features; fair overall condition.	C.1 20+ yrs	
				E	1.5	2							
				S	2	2							
				W	3	2							
T34													
Scotch Elm <i>Ulmus glabra camperdownii</i>	2	1	160	N	2.5	0	EM	A: 11.6 R: 1.92	Good	C: Good S: Good B: Good	Low squat form; no significant/notable features; good overall condition.	C.1 10+ yrs	
				E	2.5	0							
				S	2.5	0							
				W	2.5	0							
T35													
Goat Willow <i>Salix caprea</i>	6	1	220	N	4	3	EM	A: 21.9 R: 2.64	Good	C: Good S: Good B: Good	Typical form of species; no significant/notable features; good overall condition.	C.1 10+ yrs	
				E	4	3							
				S	4	2							
				W	3	2							
T36													
Scotch Elm <i>Ulmus glabra camperdownii</i>	2	1	160	N	2.5	0	EM	A: 11.6 R: 1.92	Good	C: Good S: Good B: Good	Low squat form; no significant/notable features; good overall condition.	C.1 10+ yrs	
				E	2.5	0							
				S	2.5	0							
				W	2.5	0							
T37											Estimated Measurements		
Common Ash <i>Fraxinus excelsior</i>	14	1	500	N	5	3	M	A: 113.1 R: 6	Fair	C: Fair S: Ivy B: Fair	Off-site tree, located just beyond the north site boundary; ivy growing up the entire stem; minor to moderate deadwood (25-50mm) throughout crown; fair overall condition at present; recorded measurements are estimates due to limited access.	C.1 10+ yrs	
				E	4.5	3							
				S	5	3							
				W	5	3							
Age Classifications:	N Y SM	Newly planted Young Semi-mature	EM M OM	Early Mature Mature Over Mature			Condition:	C S B	Crown Stem Basal area		Stems: ERC:	Ø Diameter (Eq) Equivalent stem diameter using BS5837:2012 definition Estimated Remaining Contribution	

Tree and Tag No Species		Hght (m)	Stems		Crown		Age	RP A (m²) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations			Cat ERC
			No	Ø (mm)	Spread (m)	Clear (m)					Survey Comment			
T38														
Silver Birch <i>Betula pendula</i>	12.5	1	380	N	3.5	3	M	A: 65.3 R: 4.55	Good	C: Good S: Good B: Good	Typical form of species; no significant/notable features; good structural and physiological condition.			B.1 20+ yrs
T39														
Common Horse Chestnut <i>Aesculus hippocastanum</i>	9.5	1	380	N	4	1.5	M	A: 65.3 R: 4.55	Good	C: Good S: Good B: Good	Typical form of species; no significant/notable features; good structural and physiological condition.			B.1 20+ yrs
T40														
Common Horse Chestnut <i>Aesculus hippocastanum</i>	9.5	1	350	N	4	1	M	A: 55.4 R: 4.19	Good	C: Good S: Good B: Good	Typical form of species; no significant/notable features; good structural and physiological condition.			B.1 20+ yrs
T41														
Wellingtonia <i>Sequoiadendron giganteum</i>	14	1	550	N	2.5	1	EM	A: 136.9 R: 6.6	Fair	C: Fair S: Good B: Good	Typical form of species; sparse foliage around lower crown due to shading out, foliage at crown apex indicates fair vigour; no other significant/notable features; fair overall condition.			B.1 20+ yrs
T42												Estimated Measurements		
Field Maple <i>Acer campestre</i>	13	3	406	(Eq) N	6.5	3	M	A: 74.7 R: 4.87	Good	C: Good S: Good B: Good	Multi-stemmed from ground level; crown contains a small amount of minor deadwood (<25mm) throughout; good overall condition.			B.1 20+ yrs
T43												Estimated Measurements		
Common Ash <i>Fraxinus excelsior</i>	17	1	600	N	9	6	M	A: 162.9 R: 7.2	Fair	C: Fair S: Good B: Good	Mature specimen located within west site boundary hedge; typical form of species; minor to moderate deadwood (25-50mm) throughout crown; fair overall condition at present.			B.1 20+ yrs
Age Classifications:		N Y SM	Newly planted Young Semi-mature	EM M OM	Early Mature Mature Over Mature	Condition:		C S B	Crown Stem Basal area	Stems:		Ø (Eq)	Diameter Equivalent stem diameter using BS5837:2012 definition	ERC: Estimated Remaining Contribution

Tree and Tag No Species	Hght (m)	Stems		Crown		Age	RP A (m²) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations			Cat ERC
		No	Ø (mm)	Spread (m)	Clear (m)					Survey Comment			
T44													
Downy Birch <i>Betula pubescens</i>	9	1	210	N	5	0.5	SM	A: 20 R: 2.52	Good	C: Good S: Good B: Good	Typical form of species; no significant/notable features; good overall condition.	B.1 20+ yrs	
T45													
Common Horse Chestnut <i>Aesculus hippocastanum</i>	7	1	240	N	4	0.5	SM	A: 26.1 R: 2.88	Good	C: Good S: Good B: Good	Typical form of species; no significant/notable features; good overall condition.	B.1 20+ yrs	
T46													
Myrobalan Plum <i>Prunus cerasifera</i>	7.5	1	250	N	4	1.5	SM	A: 28.3 R: 3	Good	C: Good S: Good B: Good	Typical form of species; no significant/notable features; good overall condition.	B.1 20+ yrs	
T47													
Common Walnut <i>Juglans regia</i>	6	1	170	N	2.5	2	SM	A: 13.1 R: 2.04	Good	C: Good S: Good B: Good	Typical form of species; no significant/notable features; good overall condition.	B.1 20+ yrs	
T48													
Common Walnut <i>Juglans regia</i>	6.5	1	160	N	3	2	SM	A: 11.6 R: 1.92	Decline	C: Poor S: Poor B: Fair	Extensive bark wounding across entirety of tree stem and branches; bark necrosis; dieback evident across entire crown; tree appears to be in decline and likely has a limited remaining lifespan.	U <10 yrs	
T49													
Common Oak <i>Quercus robur</i>	6	1	160	N	4	1	SM	A: 11.6 R: 1.92	Good	C: Good S: Good B: Good	Typical form of species; no significant/notable features; good overall condition.	B.1 20+ yrs	
Age Classifications:	N Y SM	Newly planted Young Semi-mature	EM M OM	Early Mature Mature Over Mature	Condition:		C S B	Crown Stem Basal area	Stems:	Ø Diameter (Eq) Equivalent stem diameter using BS5837:2012 definition	ERC:	Estimated Remaining Contribution	

Tree and Tag No Species	Hght (m)	Stems		Crown		Age	RP A (m²) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations			Cat ERC
		No	Ø (mm)	Spread (m)	Clear (m)					Survey Comment			
T50													
Hybrid Black Poplar <i>Populus x canadensis</i>	17	1	460	N E S W	6 5 5 5	5 3 3 4	M A: 95.7 R: 5.51	Good	C: Good S: Good B: Good	Typical form of species; crown contains a small amount of minor deadwood (<25mm) throughout; good overall condition.			B.1 20+ yrs
T51													
Hybrid Black Poplar <i>Populus x canadensis</i>	15	1	340	N E S W	4.5 4.5 4.5 4.5	6 6 6 3	M A: 52.3 R: 4.08	Good	C: Good S: Good B: Good	Typical form of species; crown contains a small amount of minor deadwood (<25mm) throughout; good overall condition.			B.1 20+ yrs
T52													
Weeping Willow <i>Salix chrysocoma</i>	16	1	380	N E S W	9 7 4.5 4	9 9 9 5	M A: 65.3 R: 4.55	Good	C: Fair S: Good B: Good	Typical form of species; minor to moderate deadwood (25-50mm) throughout crown; fair overall condition.			B.1 20+ yrs
T53													
Weeping Willow <i>Salix chrysocoma</i>	15.5	1	400	N E S W	8.5 5 1 1.5	0.5 0.5 1 0.5	M A: 72.4 R: 4.8	Fair	C: Fair S: Good B: Good	Typical form of species; minor to moderate deadwood (25-50mm) throughout crown; fair overall condition.			B.1 20+ yrs
T54													
Weeping Willow <i>Salix chrysocoma</i>	15.5	1	410	N E S W	6 3.5 4 6	3 3 1 0.5	M A: 76.1 R: 4.92	Fair	C: Fair S: Good B: Good	Typical form of species; minor to moderate deadwood (25-50mm) throughout crown; fair overall condition.			B.1 20+ yrs
T55													
Lawson Cypress <i>Chamaecyparis lawsoniana</i>	14	3	367 (Eq)	N E S W	3.5 3.5 3.5 3.5	0.5 0.5 0.5 0.5	M A: 61.1 R: 4.41	Good	C: Good S: Good B: Good	Typical form of species; no significant/notable features; good overall condition.			B.1 20+ yrs
Estimated Measurements													
Age Classifications:	N Y SM	Newly planted Young Semi-mature	EM M OM	Early Mature Mature Over Mature	Condition:			C S B	Crown Stem Basal area	Stems:	Ø (Eq)	Diameter Equivalent stem diameter using BS5837:2012 definition	ERC: Estimated Remaining Contribution

Tree and Tag No Species	Hght (m)	Stems		Crown		Age	RP A (m²) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations			Cat ERC
		No	Ø (mm)	Spread (m)	Clear (m)					Survey Comment			
T56													
Weeping Willow <i>Salix chrysocoma</i>	8	1	210	N	3	3	M	A: 20 R: 2.52	Fair	C: Fair S: Good B: Good	Typical form of species; minor to moderate deadwood (25-50mm) throughout crown; fair overall condition.		C.1 20+ yrs
T57											Estimated Measurements		
Lawson Cypress <i>Chamaecyparis lawsoniana</i>	13	1	180	N	2	1	SM	A: 14.7 R: 2.16	Good	C: Good S: Good B: Good	Typical form of species; no significant/notable features; good overall condition.		C.1 20+ yrs
T58													
Weeping Willow <i>Salix chrysocoma</i>	9	1	320	N	5.5	3	M	A: 46.3 R: 3.83	Fair	C: Fair S: Good B: Good	Typical form of species; minor to moderate deadwood (25-50mm) throughout crown; fair overall condition.		B.1 20+ yrs
T59											Estimated Measurements		
Lawson Cypress <i>Chamaecyparis lawsoniana</i>	14	1	230	N	3.5	0.5	M	A: 23.9 R: 2.75	Good	C: Good S: Good B: Good	Typical form of species; no significant/notable features; good overall condition.		B.1 20+ yrs
T60													
Weeping Willow <i>Salix chrysocoma</i>	9	1	270	N	3.5	1	M	A: 33 R: 3.24	Fair	C: Fair S: Good B: Good	Typical form of species; broken hanging branch to the east aspect of crown; minor to moderate deadwood (25-50mm) throughout crown; fair overall condition.		B.1 20+ yrs
T61													
Turkey Oak <i>Quercus cerris</i>	15	1	400	N	5.5	2	EM	A: 72.4 R: 4.8	Good	C: Good S: Good B: Good	Typical form of species; crown contains a small amount of minor deadwood (<25mm) throughout; no other significant/notable features; good structural and physiological condition.		B.1 20+ yrs
Age Classifications: N Newly planted EM Early Mature Y Young M Mature SM Semi-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 Contribution													

Tree and Tag No Species	Hght (m)	Stems		Crown		Age	RP A (m²) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations			Cat ERC	
		No	Ø (mm)	Spread (m)	Clear (m)					Survey Comment				
T62											Estimated Measurements			
Colorado Blue Spruce <i>Picea pungens var glauca</i>	3	1	75	N	1.5	0.5	Y	A: 2.5 R: 0.89	Good	C: Good S: Good B: Good	Young specimen; no significant/notable features; good overall condition.			C.1 20+ yrs
T63														
Myrobalan Plum <i>Prunus cerasifera</i>	6	1	190	N	2.5	1	SM	A: 16.3 R: 2.27	Good	C: Good S: Good B: Good	Typical form of species; no significant/notable features; good overall condition.			B.1 20+ yrs
T64														
Weeping Willow <i>Salix chrysocoma</i>	16	1	480	N	10	0.5	M	A: 104.2 R: 5.75	Good	C: Fair S: Good B: Good	Typical form of species; minor to moderate deadwood (25-50mm) throughout crown; fair overall condition.			B.1 20+ yrs
T65														
Weeping Willow <i>Salix chrysocoma</i>	16	1	580	N	5.5	5	M	A: 152.2 R: 6.96	Good	C: Fair S: Good B: Good	Typical form of species; minor to moderate deadwood (25-50mm) throughout crown; fair overall condition.			B.1 20+ yrs
T66														
Weeping Willow <i>Salix chrysocoma</i>	16	1	500	N	6.5	0.5	M	A: 113.1 R: 6	Good	C: Fair S: Good B: Good	Typical form of species; minor to moderate deadwood (25-50mm) throughout crown; fair overall condition.			B.1 20+ yrs
Age Classifications:	N Y SM	Newly planted Young Semi-mature	EM M OM	Early Mature Mature Over Mature	Condition:			C S B	Crown Stem Basal area	Stems:	Ø (Eq)	Diameter Equivalent stem diameter using BS5837:2012 definition	ERC:	Estimated Remaining Contribution

Appendix 3: Tree Constraints Plan

8. Document Production Record

Document number	Editor	Signature	Position	Issue number	Date
Arbtech TSR 01	Alan Smith		Arboricultural Surveyor	01	28/03/24

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

© This Report is the copyright of Arbtech Consulting Ltd. Any unauthorised reproduction or usage by any person other than the addressee is strictly prohibited.