

Arboricultural Survey - BS5837:2012

Earlswood Homes

Daisyley House, Lindsell, Dunmow, Essex, CM6 3QL

09 November 2023

Phil Gower Dip Arb Lv4 (ABC) MArborA



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1 Introduction

Arbtech Consulting Limited (Arbtech) received written instruction on 17 October 2023 from Sarah Cave to attend Daisyley House, Lindsell, Dunmow, Essex CM6 3QL (The 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 Phil Gower, an Arboricultural Consultant for Arbtech Consulting Ltd.

I have worked within the arboricultural industry for 13 years, having completed my Level 4 Professional Diploma and LANTRA Professional Tree Inspection. I am currently working towards my BSc (Hons). I am a professional member of the Arboricultural Association.

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	Geo23-054_T
LPA pre-app comments	N/A
British Standard 5837:2012	"BS5837"
Tree Survey Schedule	Arbtech TS 02
Tree Constraints Plan	Arbtech TCP 02

2 Survey

Survey: An arboricultural survey to BS5837 of all trees within impacting distance of the site was undertaken by Phil Gower on 06 November 2023

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 15no. individual trees, 11no. groups of trees and 2no. hedges were surveyed. Details for each of the trees surveyed are provided in the Schedule of Trees (see Appendix 2).

Multiple other 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	Geopoint	Geo23-054_T	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, lasers, 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 tree's 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 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.

Site Description

A single domestic dwelling located on an approximate 1.1-acre plot. The site is boarded by neighbouring properties on both the Northern and Southern sides, with agricultural land to the East. Access is provided from the unnamed road to the West.





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



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

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Proposed Scheme

Residential development for 3no. houses.



Figure 3: Proposed scheme, drawing number 6049-0102_P09 (KLH Architects)

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

3 BS 5837:2012 - 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 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 have 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 Recommendations

With the benefit of making an assessment of your planning proposals, we 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).
- c) A tree protection plan drawing (TPP).

7 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.



8 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 the information contained herein, please do not hesitate to contact us via 01244 661170.

Yours Sincerely,

Phil Gower Dip Arb Lv4 (ABC) MArborA Arboricultural Consultant 07842 416721 philgower@arbtech.co.uk



Appendix 1: Table 1 Cascade chart for tree quality assessment





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

Cascade chart for tree quality assessment - Table 1 - (reproduced with permission of BSI Global)

Category and Definition	c	riteria including sub-categories where appropria	te)	Identification on Plan							
Category U (Trees unsuitable for retention - See notes). Those in such a condition that they cannot realistically be retained as living trees in the context of the current land use for longer than 10 years.	 Trees that have serious, irremediable, structural defect, such that their early loss is expected due to collapse, including those that will become unviable after removal of other category U trees (e.g. where, for whatever reason, the loss of companion shelter cannot be mitigated by pruning). Trees that are dead or are showing signs of significant, immediate, and irreversible overall decline. Trees infected with pathogens of significance to the health and/or safety of other trees nearby, or very low-quality trees suppressing adjacent trees of better quality. NOTE Category U trees can have existing or potential conservation value which might be desirable to preserve; see 4.5.7. 										
Trees considered for retention	1) Mainly arboricultural qualities	2) Mainly landscape qualities	 Mainly cultural values (including conservation) 								
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							

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



Appendix 2: Tree Schedule

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Arbtech Consulting Ltd

3 Well House Barn Chester Road Bretton Ch . .

Surveyor: Phil Gowe	er								ŕ	ጎ ኛ	IDLE	CII	Chesnire CH4 0DH Phone: 01244661170	
Tree and Tag No		Habt	S	Stems		Cr	own			RP	Dhue	Chruchural	Preliminary Recommendations	Cat
Species		(m)	No) (m	Ø S _l າm)	oread (m)	Cle (r	ear n)	Age	A (m²) R (m)	Conditio	on Condition	Survey Comment	ERC
G01													Estimated Meas	surements
Leyland Cypress		10	1	350) N	3	8.5	2	EM	A: 55.4	Good	C: Good		C.1.2
X Cupressocyparis leylandii					E S W	1	3 4 3	0 3 4		R: 4.19		S: Good B: Good	Group consisting of 9no. trees. Measurements indicative of largest measured tree within group. Signs of historic pruning including regular crown lifting to provide road and access clearance.	20+ yrs
G02													Estimated Meas	surements
Leyland Cypress		12	1	385	5 N		5	4	EM	A: 67.1	Good	C: Good		C.1.2
X Cupressocyparis leylandii					E		4	2		R: 4.62		S: Good	Group consisting of 8no. trees. Measurements indicative of	20+ yrs
					S W	1	1 5	2 5				B: Good	largest measured tree within group. Evidence of regular crown lifting on west side of canopy for road clearance.	
G03													Estimated Meas	surements
Leyland Cypress		9	1	560) N		3	0	М	A: 141.9	Good	C: Good		B.2
X Cupressocyparis leylandii					E		3	0		R: 6.72		S: Good	Group consisting of 3no. Trees. Measurments are indicative of	20+ yrs
					S W	I	4 4	0 0				B: Good	the largest measured tree within group. Evidence of being maintained as a hedge.	
G04													Estimated Meas	surements
Cherry Laurel		3.5	1	130) N	C).5	0	SM	A: 7.6	Good	C: Good		C.1
Prunus laurocerasus					E		1	0		R: 1.55		S: Fair	Group consisting of 2no. trees. Measurements are indicative of	10+ yrs
					S	, C).5	0				B: Good	the largest measured tree within the group. Small radial crack	
					v	1	I	U					at 1m on western tree. This is of no significance due to current pruning management.	
Age Classifications:	N	Newly plant	ted	EM	Early Ma	ture		(Condif	ion:	C Crown		Stems: Ø Diameter	
J	Y	Young		M	Mature						S Stem		(Eq) Equivalent stem diameter using BS5837:2012 defin	nition
	SM	Semi-matu	re	OM	Over Mat	ure					3 Basal a	rea	ERC: Estimated Remaining Contributio	

Earlswood Homes

Daisyley House

Client:

Project:

Survey Date: 6/11/2023

Tree and Tag No		Habt		Stem	S	(Crown			RP A (m ²)	>	z) Phys	Churchtere	tural Preliminary Recommendations		
Species		(m)	No) (Ø mm)	Sprea (m)	d	Clear (m)	Age	A (n R (n	n²) n)	Condition	Condition	l	Survey Comment	ERC
G05															Estimated Meas	surements
Cherry Laurel		3.5	1	10)5	Ν	1	0	SM	A: 5		Good	C: Good			C.1
Prunus laurocerasus						Е	0	0		R: 1.2	26		S: Good	Crour	n concicting of 2nd, trace, Massurements are indicative of	10+ vrs
						S	0.5	0					B: Good	the la	argest measured tree within the group.	201)10
						W	1	0								
G06															Estimated Meas	surements
Levland Cypress		8	1	55	50	N	1	0	М	A: 13	6.9	Poor	C: Poor			U
X Cupressocyparis leylandii						Е	3	3		R: 6.0	5		S: Poor	0	i-time of Care have Mercurrents and in direction of	< 10 yrs
,						S	1	0					B: Poor	Group the la	p consisting of 6no. trees. Measurments are in dicative of argest measured trees within the group. Only the end trees	<10 yis
						W	5	5						(east exten	&west) have any living growth which is laterally aded. The remaining trees are dead.	
G07															Estimated Meas	surements
Various		10	1	43	30	Ν	2.5	0	М	A: 83	.7	Good	C: Good			B.2
See comments for details			_			E	2.5	0		R: 5.	16		S: Good		···· · · · · · · · · · · · · · · · · ·	20 1 1/15
						S	3	0					B: Good	Group	p consisting of 11no. Laylandii trees with underlaying a groups. Measurements are indicative of largest	20+ yis
						W	2.5	0						measi	sured tree within the group.	
G08															Estimated Meas	surements
Various		8	1	17	70	Ν	1.5	0	EM	A: 13	.1	Good	C: Good			C.1
See comments for details						Е	1.5	0		R: 2.0)4		S: Good	Groun	n consists of Anal trace of mixed supress son	20+ vrs
						S	1.5	0					B: Good	Measu	surments are indicative of the largest measured tree.	201 910
						W	1.5	0						Suppr	ressed canopy growth due to location.	
G09															Estimated Meas	surements
Leyland Cypress		11	1	45	50	Ν	2.5	0	М	A: 91	.6	Good	C: Good			C.1.2
X Cupressocyparis leylandii						Е	4	0		R: 5.	39		S: Fair	Groun	n consists of 6no, trees. Measurements are indicative of	20+ vrs
						S	2.5	0					B: Fair	the la	argest measured tree. The trees are growing out of the	- / -
						W	2	0						edge North	of a ditch on neighboring land. Raised soil levels on nern aspect.	
G10															Estimated Meas	surements
Leyland Cypress		11	1	44	10	Ν	2	0	М	A: 87	.6	Good	C: Good			B.2
X Cupressocyparis leylandii						Е	3	0		R: 5.2	28		S: Good	Grour	n consists of 22no. Trees. Measurements are indicative of	20+ yrs
						S	2	0					B: Good	the la	argest measured tree. Evidence of historic management	,
						W	4	0						as a la	large hedge.	
Age Classifications	N	Newly plant	ted	EM	Early	Mature			Condi	tion:	С	Crown		Stems [.]	Ø Diameter	
	Y	Young		M	Matur	е					S	Stem			(Eq) Equivalent stem diameter using BS5837:2012 defin	nition
	SM	Semi-matur	re	OM	Over	Mature					В	Basal area	1	ERC:	Estimated Remaining Contributio	
Dama 2										-					To a day Maranha	

Tree and Tag No		Habt	5	Stems			Crow	n		RP	Dhue	Churchand		Preliminary Recommendations	C-+
Species	Hg (n	n)	No	(1	Ø mm)	Sprea (m)	ad)	Clear (m)	Age A (R	A (m²) R (m)	Condition	Condition		Survey Comment	ERC
G11														Estimated Me	asurements
Leyland Cypress	8	.5	1	62	0	Ν	2.5	0	М	A: 173.9	Good	C: Good			B.2
X Cupressocyparis leylandii						Е	1	0		R: 7.44		S: Good	Croup	consisting of 16no, troos, Massuraments are indicative	20+ vrs
						S	1.5	0				B: Good	of the	e largest measured tree. Historic management as a large	_0 / //0
						W	1.5	0					hedge	2.	
H01														Estimated Me	asurements
Cherry Laurel		1	1	30	C	Ν	0.5	0	Ν	A: 0.4	Good	C: Good			C.1
Prunus laurocerasus						Е	0.5	0		R: 0.35		S: Good	Nowly	, planted hedge row to reinstate a replacement for the	20+ vrs
						S	0.5	0				B: Good	one pi	reviously removed.	20 / 7.0
						W	0.5	0					·		
H02														Estimated Me	asurements
Cherry Laurel	2	.5	1	7	5	Ν	1.5	0	Y	A: 2.5	Good	C: Good			C.2
Prunus laurocerasus						Е	1.5	0		R: 0.89		S: Good	No no	stable features	20+ vrs
						S	1.5	0				B: Good	NO NO		- / -
						W	1.5	0							
T01														Estimated Me	asurements
Common Ash	11	1.5	5	35	9 (Eq) N	3	3	EM	A: 58.3	Poor	C: Fair			U
Fraxinus excelsior						Е	1.5	3		R: 4.3		S: Fair	Obvio	us signs of ash die back with developing deadwood	<10 yrs
						S	2	3				B: Poor	throug	ghout canopy. Large split at base on Northern aspect of	
						VV	1.5	3					stem i	from historic wounding.	
T02														Estimated Me	asurements
Common Hawthorn	2	.5	1	7	5	Ν	0.5	1	Y	A: 2.5	Good	C: Good			C.1
Crataegus monogyna						E	2	1		R: 0.89		S: Good	Suppr	ressed canopy form due to location.	10+ yrs
						S	0	0				B: Good			
						W	0	0							
Т03														Estimated Me	asurements
Common Hawthorn	6	.5	1	11	0	Ν	3	0.5	SM	A: 5.5	Good	C: Good			C.1
Crataegus monogyna						E	3	0.5		R: 1.32		S: Good	Suppr	ressed canopy form due to location encouraging	10+ yrs
						S	0	0				B: Good	photo	tropic growth to the Northeast.	
						W	0	0							
Age Classifications:	Newly	plante	ed	EM	Early	Mature		(Condi	tion: C	Crown		Stems:	Ø Diameter	
	Young			M	Matur	e				S	Stem			(Eq) Equivalent stem diameter using BS5837:2012 def	inition
S	w Semi-r	natur	е	OM	Over	Mature				В	Basal are	ea	ERC:	Estimated Remaining Contributio	
Page 3										Trool	linder			Tuesday Novemb	vor 7 2023

Tree and Tag No	На	Hght	Stems		;	Crow		own		RP A (m ²)	Phys	<u></u>	Preliminary Recommendations	Cat
Species		Hght (m)	No	(n	Ø nm)	Sprea (m)	ad)	Clear (m)	Age	A (m²) R (m)	Condition	Condition	Survey Comment	ERC
T04													Estimated Measu	irements
Myrobalan Plum		8	5	407	7 (Eq)	Ν	5	1.5	М	A: 74.8	Good	C: Good		B.1.2
Prunus cerasifera						Е	5	1		R: 4.87		S: Good	No potable features 2	20+ vrs
						S	3	2				B: Good	No notable reactives.	,
						W	4	3						
T05													Estimated Measu	irements
Myrobalan Plum 'Nigra'		5	2	152	2 (Eq)	Ν	3.5	2	EM	A: 10.5	Good	C: Good		C.1
Prunus cerasifera 'Nigra'					,	Е	4	2		R: 1.82		S: Fair	Included stem union poor to ground level. This is of low 1	10+ vrs
						S	2	1				B: Good	significance at present. Suppressed canopy due to location	10 . ,10
						W	0.5	1					encouraging phototropic growth to the Northeast.	
T06													Estimated Measu	irements
Myrobalan Plum		10	10	443	3 (Eq)	Ν	5	1.5	М	A: 88.7	Good	C: Good		B.1
Prunus cerasifera						Е	7	1.5		R: 5.31		S: Fair	Evidence of historic pruning including crown lifting on all	20+ vrs
						S	5	1.5				B: Good	aspects.	
						W	5	1.5						
T07													Estimated Measu	irements
Field Maple		11	1	215	5	Ν	1	5	М	A: 20.9	Good	C: Good		C.1
Acer campestre						Е	1	5		R: 2.57		S: Good	Suppressed capony growth due to location 2	20+ vrs
						S	4	3				B: Good	Suppressed carlopy growth due to location.	,
						W	1	6						
Т08													Estimated Measu	irements
Field Maple		12	1	265	5	Ν	2.5	5	М	A: 31.8	Good	C: Good		C.1
Acer campestre						Е	0.5	2		R: 3.18		S: Good	Raised soil level on south side of stem with evidence of 1	10+ yrs
						S	5.5	2				B: Poor	historic root severance on North side. No physiological decline	,
						W	1	5					noted to date. This is likely result of poor protective measures	
T 00														
		4.0			_		-	<i>.</i>					Esumated Medsu	irements
		12	1	265	0		2	6	М	A: 31.8	Good	C: Good		B.2
Acer campestre						с с	2 4	1		R: 3.18		B' Good	Suppressed canopy growth on the North side of canopy due to 2	20+ yrs
						w	0.5	5				D. 0000	the previous tree line which was recently removed.	
								5						
Age Classifications	NN	lewly plant	ed	FM	Farly I	Mature		C	ondit	ion: C	Crown		Stems: Ø Diameter	
g	ΥY	oung		M	Mature	Э				S	Stem		(Eq) Equivalent stem diameter using BS5837:2012 definiti	ion
	SM S	Semi-matur	е	OM	Over N	Mature				В	Basal area	a	ERC: Estimated Remaining Contributio	
Page 4										Tree	<i>l</i> inder		Tuesday November	7 2023

Tree and Tag No		Hght	S	tems	5		Crow	n		RP A (m ²)	, 12) Phys	s Structura		ral Preliminary Recommendations		Cat
Species	1	Hgnt (m)	No	(n	Ø nm)	Sprea (m)	nd	Clear (m)	Age	A (m²) R (m)	Condition	on C	Condition		Survey Comment	ERC
T10															Estimated Me	asurements
Common Pear		5.5	2	188	8 (Eq)) N	2.5	1	М	A: 16	Decline	e C:	Poor			U
Pyrus communis						Е	3	1		R: 2.25		S:	Poor	Signific	cant die back throughout canony. Almost entirely dead	<10 vrs
						S	2	1				В:	Good	on eas	st side. Included stem union at 1m and lateral opening	
						W	2	1						from g fruiting	ground to 0.5m exposing dysfunctional wood. Fungal g bodies on west stem at 1.5m.	
T11															Estimated Me	asurements
Norway Maple		9	1	275	5	Ν	2.5	1	EM	A: 34.2	Good	C:	Good			B.1
Acer platanoides						E	2.5	1		R: 3.29		S:	Fair	Include	led stem union at 1.5m and 2m. Historic pruning wounds	20+ yrs
						S	2.5	1				В:	Good	on Nor	rth aspect with poor levels of occlusion.	
						VV	3	1								
T12															Estimated Me	asurements
Elm		4	1	95	;	Ν	1	1	Y	A: 4.1	Good	C:	Good			U
Ulmus sp.						Е	0	0		R: 1.14		S:	Fair	Cambia	ial necrosis around old pruning wound at 1m.	<10 yrs
						S	0	0				B:	Good	Suppre	essed canopy growth due to enclosed location causing	
						W	5	2						photot adjace	tropic growth to the west. Physical contact of canopy to ent structure.	
T13															Estimated Me	asurements
Cultivated Apple		5	1	240	0	Ν	3	1.5	М	A: 26.1	Good	C:	Good			C.1
Malus domestica						Е	3	1.5		R: 2.88		S:	Fair	Minor	necrosis of the bark on west side of stem.	10+ yrs
						S	2	1.5				B:	Good			
						W	2	1.5								
T14															Estimated Me	asurements
Crab Apple		3.5	1	225	5	Ν	2	1	EM	A: 22.9	Good	C:	Good			C.1
Malus sylvestris						Е	2	1		R: 2.69		S:	Good	No not	table features.	10+ yrs
						S	2	1				B:	Good			
						VV	2.5	1								
Age Classifications:	N New	lv nlant	ed	FM	Farly	Mature		(Condi	ion	C Crown	1		Stems:	Ø Diameter	
.go olucomoutono.	Y Your	ng	u	M	Mature	e			- on un		S Stem			010110.	(Eq) Equivalent stem diameter using BS5837:2012 def	finition
	SM Sem	ii-matur	е	ОМ	Over I	Mature					B Basal	area		ERC:	Estimated Remaining Contributio	
										_						

Tree and Tag No	Uabt	St	tems	C	rown			RP	Phys	Structural	Preliminary Recommendations	Cat
Species	(m)	No	Ø (mm)	Spread (m)	Clea (m)	nr .)	Age	A (m²) R (m)	Condition	Condition	Survey Comment	ERC
T15											Estimated Me	easurements
Leyland Cypress	8	1	490	Ν	2	2	М	A: 108.6	Good	C: Good		U
X Cupressocyparis leylandii				Е	2	2		R: 5.87		S: Fair	Member of G13 Evidence of historic root beave placing the	<10 vrs
				S	2	0				B: Poor	stem at approximately 45 degrees to the Northeast. Geotropic	10 915
				W	2	0					growth and continued physiological function suggests attempts to self right and re-anchor. Long term stability questioned.	

Age Classifications:	N Newly plante	d 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	В	Basal area	ERC:	Estimated Remaining Contributio



Appendix 3: Tree Constraints Plan

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

9 Document Production Record

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