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Arboricultural Impact Assessment to BS5837:2012

Broomfield Court.

751 Broomfield Road, Glasgow, G21 3HQ.

17 November 2023

Alan Thompson FdSc (Arb) MArborA



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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.

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Introduction

Arbtech Consulting Limited (Arbtech) received written instruction on the 28th of July 2023 from Waheed Malik of Weila Capital to attend 751 Broomfield Road, Glasgow, G21 3HQ; grid reference, NS 62209 67254 (site) to undertake an arboricultural survey following BS5837:2012 guidance to assess trees, hedges and major shrub groups growing on and within influencing distance of the site and to produce a Schedule of trees, Tree Constraints Plan, Arboricultural Impact Assessment.

Site location



Figure 1: OS Map (Bing Maps)



Figure 2: Aerial Image of site with approximate blue line survey boundary (Bing Maps)



Executive Summary

This report describes the extent and effect of the proposed development at the site on individual trees and groups of trees within and adjacent to the site.

Trees within the site were surveyed; using a methodology guided by British Standard 5837:2012 'Trees in relation to design, demolition and construction – Recommendations' ("BS5837").

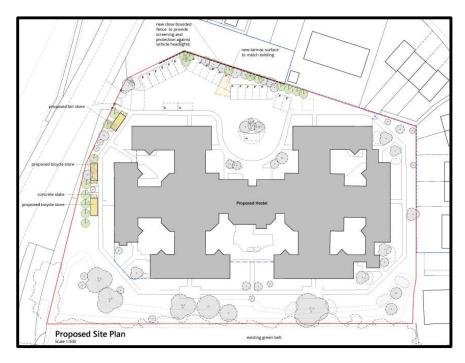
Subsequently, this report has been produced, balancing the layout of the proposed development against the competing needs of trees. This report comprises all of the requisite elements of an arboricultural implications assessment, method statement and supporting plans.

Checklist for Submission to Local Planning Authority

Tree survey	\square
Tree constraints plan	\square
Arboricultural impact assessment	\boxtimes

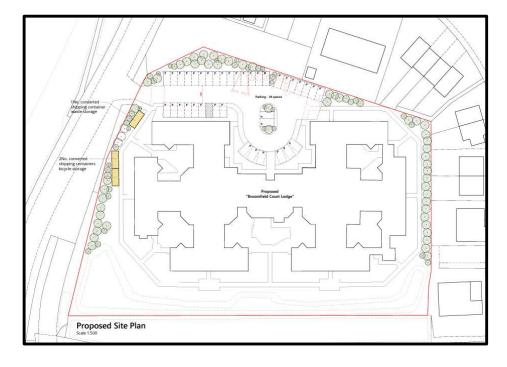
This report and its appendices follow precisely the strategy for arboricultural appraisal intended to provide local planning authorities with evidence that trees have been properly considered throughout the development process.

Proposal 1.





Proposal. 2





General Information

Client: Broomfield Court

Site: 751 Broomfield Road, Glasgow, G21 3HQ

Brief proposal description: Refurbishment of existing care home facility including associated landscaping.

Table 1: Documents referred to.

Document	Reference No.
Survey Base Plan	OS tile
Proposed layout drawing	22035 PP A004
Landscape master plan drawing	N/A
LPA pre-app comments	N/A
British Standard 5837:2012	"BS5837"
Arboricultural Impact Assessment	Arbtech AIA 01



Tree Survey

Survey: An arboricultural survey to BS5837 of all trees within impacting distance of the site was undertaken by Ryan Wilson of Arbtech Consulting on 21st August 2023. Details for each of the trees surveyed are provided in the Schedule of Trees (see Appendix 1)

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

Document	Originator	Reference Number	Title
Tree Survey Base Plan	Ordnance Survey	-	OS Tile

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.



Arboricultural Impact Assessment

Table 3: Documents upon which this assessment has been based

Document	Originator	Reference Number	Title
Tree Survey Base Plan	Ordnance Survey	-	OS Tile
Proposals	Macauley Miller Architecture	22035 PP A004	Proposed Site

There are a number of issues that may need to be addressed in an arboricultural impact assessment between the trees and the proposed development, these are as follows:

- The effect and extent of the proposed development within the root protection areas (RPAs) of retained trees;
- The potential conflicts of the proposed development with canopies of retained trees; and
- The likelihood of any future remedial works to retained trees beyond which would have been scheduled as a part of usual management.

Table 4: Impacts upon the RPAs of retained trees

Tree Number	Species	Structure	Incursion
G01	Horse chestnut	Hard surfacing removal & replacement	RPA

These impacts can be seen on the Arboricultural Impact Assessment drawing number Arbtech AIA 01.



Trees to be removed

A breakdown of all tree removals and pruning works can be seen in Table 9: Summary of Tree Works

Table 5: Number of individual trees to be removed.

U	А	В	С
3	0	11	12

Table 6: Number of groups to be removed.

U	А	В	С
0	0	0	0

Table 7: Number of hedges to be removed.

U	А	В	С
0	0	0	0

Table 8: Number of shrub groups to be removed.

U	А	В	С
0	0	0	0

Mitigation tree planting will form part of the landscape proposal for the project.



Tree Works

For reasons of public safety, all tree works referred to herein must be carried out prior to any site personnel commencing works or any building materials being delivered.

No.	Species	Works	Category
Т5	Leyland cypress	Fell to ground level; remove stump	C1
Т6	Mountain ash	Fell to ground level; remove stump	C1
Т7	Mountain ash	Fell to ground level; remove stump	C2
Т8	Horse chestnut	Fell to ground level; remove stump	B2
Т9	Leyland cypress	Fell to ground level; remove stump	C1
T10	Mountain ash	Fell to ground level; remove stump	C1
T11	Bird cherry	Fell to ground level; remove stump	B1
T12	Narrowleaf ash	Fell to ground level; remove stump	B1
T13	Narrowleaf ash	Fell to ground level; remove stump	B1
T14	Norway maple	Fell to ground level; remove stump	B1
T15	Leyland cypress	Fell to ground level; remove stump	C1
T16	Leyland cypress	Fell to ground level; remove stump	C1
T17	Italian cypress	Fell to ground level; remove stump	C1
T19	Mountain ash	Fell to ground level; remove stump	B1
T20	Mountain ash	Fell to ground level; remove stump	B1
T21	Birch 'Youngii'	Fell to ground level; remove stump	C1
T22	Norway maple	Fell to ground level; remove stump	B1
T23	Goat willow	Fell to ground level; remove stump	C2
T24	Swedish whitebeam	Fell to ground level; remove stump	U
T25	Swedish whitebeam	Fell to ground level; remove stump	U
T26	Horse chestnut	Fell to ground level; remove stump	B1

Table 9 Summary of Tree Works



No.	Species	Works	Category
T27	Horse chestnut	Fell to ground level; remove stump	B1
T28	Horse chestnut	Fell to ground level; remove stump	B1
T29	Mountain ash	Fell to ground level; remove stump	C1
Т30	Mountain ash	Fell to ground level; remove stump	U
T31	Mountain ash	Fell to ground level; remove stump	C1

Notes

All tree work is to be undertaken in accordance with British Standard BS 3998:2010, Recommendations for tree work. All arising's are to be removed and the site is to be left as found. Care is to be taken of the ground around retained trees to make sure that it does not become compacted as a result of tree surgery operations. No equipment or vehicles such as timber Lorries, tractors, excavators or cranes shall be parked or driven beneath the crowns of any retained trees, to prevent subsequent compaction and root death.

Tree removal

A tree should be felled in one piece only when there is no significant risk of damage to people, property or protected species (see Annex A).

Where restrictions (e.g. lack of space, buildings, other features, land ownership or use, or other trees which are to be retained) cannot be overcome, trees should be dismantled in sections.

This also applies where a tall stump is being retained but where branches are to be removed/pruned.

Extensively decayed trees can be unpredictable when they are being felled, and special precautions should therefore be taken, such as the use of a winch to guide the direction of fall.

Stump removal – stump grinding

Stump grinding should be to a minimum of 300mm deep or to extend through the base of the stump leaving the major roots disconnected if the intention is to reduce the potential for the spread of Honey fungus.

The grinding residue should be treated as arising's and removed from site. NOTE Mechanical destruction of a stump by stump grinding is less disruptive to the site than digging out.

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



The hole left by stump removal, should be filled with soil or other material. The filling should be appropriate for future site usage, and for any surface treatment that is to be installed.

Where future plant growth is desired, the backfill material should be firmed in 150 mm layers by treading, avoiding excessive compaction and destruction of the soil structure.

Stump removal - digging

Stump removal by digging out should include disposal/utilisation of woody material (see Clause **13**).

NOTE Whether done by hand or machine, digging out can cause severe disturbance of the site.

Where possible, when winching out a stump, a ground or other type of anchor should be used rather than a tree to be retained. If there is no alternative to using such a tree as an anchor, appropriate protective measures should be adopted.

After stump removal

The hole left by stump removal, whether by digging out or grinding, should be filled with soil or other material. The filling should be appropriate for future site usage and for any surface treatment that is to be installed.

Where future plant growth is desired, the back fill material should be firmed in 150mm layers by treading, avoiding excessive compaction and destruction of the soil structure.



Appendix 1: Arboricultural Impact Assessment Plan

Issue: Proposed hard surfacing replacement is situated within RPA of group G01.
Solution: Proposed resurfacing is to be designed so that it will be sited entirely above the existing soil level and that the existing sub-base is retained.

T27

T28

T30

T29

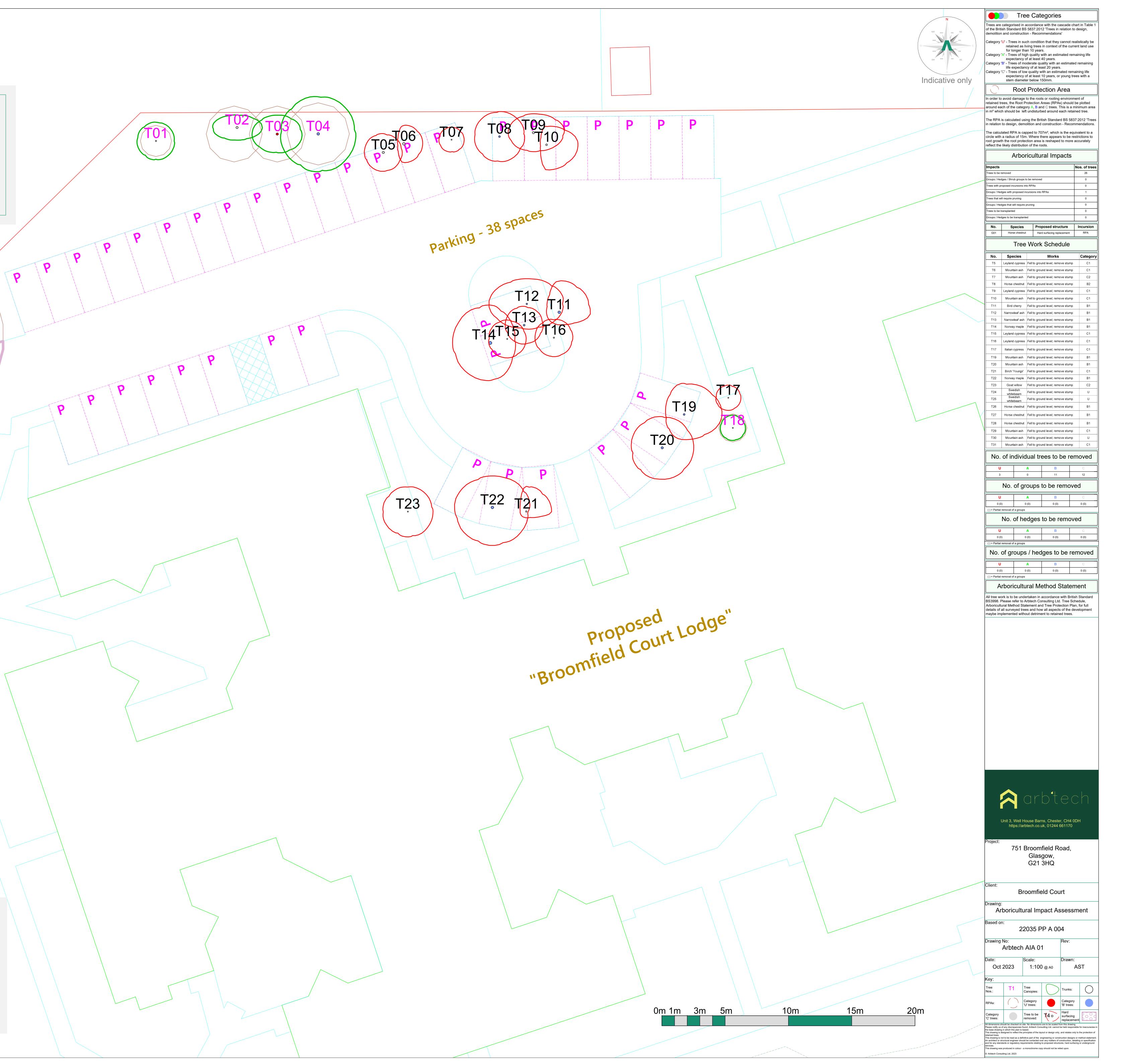
T31

T26

T25

T<u>2</u>4

Note: No unauthorised excavations are to be carried out within the RPAs of any retained trees. Any level changes must form part of a construction method statement & must protect the rooting environments of all retained trees.





Appendix 2: Tree Survey Schedule

Arbtech Consulting Ltd.

Unit 3, Well House Barns, Chester Road Chester Chesire CH4 0DH Phone: 01244661170

Client:	Broomfield Court
Project:	751 Broomfield Road
Survey Date:	21/08/2023
Surveyor:	Ryan Wilson

A arbtech

Tree and Tag No		Hght		Stems		Cro			RP	Phys	Structural	Preliminary Recommendations	Cat
Species		(m)	No			read m)	Clear (m)	Age	A (m²) R (m)	Condition	Condition	Survey Comment	ERC
G01		·			·				·			Estimated Mea	asurement
Various		5	1	250) N	1.5	5 0	EM	A: 28.3	Good	C: Good		B.1
See comments for details					E S	1.5 1.5			R: 3		S: Good B: Good	Group consists of three Leyland cypress trees. And 1 mountain ash tree. Group measurements taken from the largest	20+ yrs
					W	1.5	5 0	1				representative tree.	
T01													
Mountain Ash		3	1	100) N	1.5	5 1.5	SM	A: 4.5	Good	C: Good		C.1
Sorbus aucuparia					E	1.5	5 1.5		R: 1.19		S: Poor	Upper section of the stem has been snapped out leading to	10+ yrs
					S	1.5					B: Good	decay.	,
					W	1.5	5 1.5						
T02												Estimated Mea	asurement
Leyland Cypress		4	1	180) N	1	L 0	М	A: 14.7	Good	C: Good		C.1
X Cupressocyparis leylandii					E	2	2 0	1	R: 2.16		S: Good	Twin stems growing from base, western stem appears to have	10+ yrs
					S	1					B: Fair	previously failed then stabilised.	
					W	2	2 0						
Т03												Estimated Mea	asurement
Leyland Cypress		4	1	180) N	1.5	5 0	М	A: 14.7	Poor	C: Poor		U
X Cupressocyparis leylandii					E	2			R: 2.16		S: Good	Multiple stems growing from ground level with bark included	<10 yrs
					S	1.5					B: Fair	unions typical of species. Crown is showing major Browning	
					W	2	2 0					of the foliage. With dead wood present (up to 10% of the crown).	
Age Classifications:	N	Newly plan	ited		Early Matu	ıre		Condi	tion: (Stems: Ø Diameter	
	Υ	Young			Mature				5			(Eq) Equivalent stem diameter using BS5837:2012 defi	inition
	SM	Semi-matu	ire	OM	Over Matu	ire			E	Basal are	а	ERC: Estimated Remaining Contributio	

Tree and Tag No		Hght		Stems		Crowr			RP	Phys	Structural		Preliminary Recommendations	Cat
Species		(m)	No	Ø (mm)	Sprea (m)		Clear (m)	Age	A (m²) R (m)	Condition			Survey Comment	ERC
T04														
Common Horse Chestnut		5	1	200	Ν	3	2	SM	A: 18.1	Good	C: Good			B.1
Aesculus hippocastanum					Е	3	2		R: 2.4		S: Fair	Possih	ble minor bleeding canker on the stem @2m high on the	20+ yrs
					S	3	2				B: Good	south		,
					W	3	2							
T05													Estimated M	easurement
Leyland Cypress		5	1	180	Ν	1.5	0	М	A: 14.7	Good	C: Good			C.1
X Cupressocyparis leylandii					Е	1.5	0		R: 2.16		S: Good	Multin	le stems growing from ground level with bark included	10+ yrs
					S	1.5	0				B: Fair		s typical of species.	10 / 10
					W	1.5	0					union		
Т06														
Mountain Ash		4	1	210	Ν	1.5	1.5	SM	A: 20	Good	C: Good			C.1
Sorbus aucuparia					Е	1.5	1.5		R: 2.52		S: Good	Minor	wound on the stem @1.5m E (15-6cm).	10+ yrs
					S	1.5	1.5				B: Good			
					W	0.5	1.5							
Т07														
Mountain Ash		3	1	90	Ν	1	0.5	EM	A: 3.7	Good	C: Good			C.2
Sorbus aucuparia					Е	1	0.5		R: 1.08		S: Fair		f stem has been snapped out leading to decay.	10+ yrs
					S	1	0.5				B: Good	TOP 0	i stem has been shapped out leading to decay.	201 /10
					W	1	0.5							
Т08														
Common Horse Chestnut		5	1	140	Ν	2	2	SM	A: 8.9	Good	C: Good			B.1
Aesculus hippocastanum					Е	2	2		R: 1.68		S: Good	No no	table features.	20+ yrs
					S	2	2				B: Good			201 910
					W	2	2							
Т09													Estimated M	easurement
Leyland Cypress		5	1	180	Ν	1.5	0	М	A: 14.7	Good	C: Good			C.1
X Cupressocyparis leylandii					Е	2.5	0		R: 2.16		S: Good	Multin	le stems growing from ground level with bark included	10+ yrs
					S	1.5	0				B: Fair		s typical of species.	10 . 110
					W	2	0							
	NI	Noutrala	tad		(Motors) a stall	ion: 0	Crown		C to man	Ø Diameter	
Age Classifications:	N Y	Newly plant Young	lea	EM Early M Matu			C	Condit	i on: C S			Stems:	Ø Diameter (Eq) Equivalent stem diameter using BS5837:2012 de	finition
		Young Semi-matu	re	OM Over					B	Basal area	2	ERC:	(Eq) Equivalent stem diameter using BS5837:2012 de Estimated Remaining Contributio	
	OW	Semi-matu	10		mature						a	ERU:		
Page 2									TreeN	linder			08 Septe	ember 2023

Tree and Tag No		Unht		Stems		Crown	1		RP	Dhue	Churchter -		Preliminary Recommendations	C-1
Species		Hght (m)	No	, Ø (mm)	Spre (m		Clear (m)	Age	A (m²) R (m)	Phys Condition	Structural Condition		Survey Comment	Cat ERC
T10														
Mountain Ash		4	1	140	Ν	1.5	1.5	SM	A: 8.9	Good	C: Good			C.1
Sorbus aucuparia					Е	2.5	1.5		R: 1.68		S: Good	No not	able features.	10+ yrs
					S	2	1.5				B: Good			- , -
					W	0.5	1.5							
T11														
Bird Cherry		4	1	200	Ν	2.5	1.5	EM	A: 18.1	Good	C: Good			B.1
Prunus padus					Е	2.5	1.5		R: 2.4		S: Good	No pot	able features.	20+ yrs
					S	1	1.5				B: Good	NO HOL	able leatures.	201 915
					W	1	1.5							
T12														
Narrowleaf Ash		5	1	130	Ν	2	3	EM	A: 7.6	Good	C: Good			B.1
Fraxinus angustifolia					Е	3	3		R: 1.55		S: Good	No not	able features.	20+ yrs
					S	2	3				B: Good	NO HOL	able features.	_0. ,
					W	3	3							
T13														
Narrowleaf Ash		5	1	140	Ν	1.5	3	EM	A: 8.9	Good	C: Good			B.1
Fraxinus angustifolia					Е	1.5	3		R: 1.68		S: Good	No not	able features.	20+ yrs
					S	1.5	3				B: Good			,
					W	1.5	3							
T14														
Norway Maple		6	1	250	Ν	3	3	EM	A: 28.3	Good	C: Good			B.1
Acer platanoides					E	2	3		R: 3		S: Good	No not	able features.	20+ yrs
					S	3	3				B: Good			
					W	3	3							
T15													Estimated M	easurement
Leyland Cypress		3	1	80	Ν	1.5	0	М	A: 2.9	Good	C: Fair			C.1
X Cupressocyparis leylandii					Е	1.5	0		R: 0.96		S: Good	Multin	e stems growing from ground level with bark included	10+ yrs
					S	1.5	0				B: Fair		typical of species. Crown is moderately shaded leading	,
					W	1.5	0					to bare	e patches.	
Age Classifications:	N	Newly plant	ted	EM Ear	lv Mature	•	(ondit	ion: C	Crown		Stems:	Ø Diameter	
-ge endeemoutonor	Y	Young		M Mat	-			2.1010	S				(Eq) Equivalent stem diameter using BS5837:2012 de	efinition
	SM	-	re	OM Ove					В		a	ERC:	Estimated Remaining Contributio	
Page 3									TreeN				-	ember 2023

Leyland Cypress $X. Cupressocr pairs [eyland]$ 4.5 1 100 N 1.5 0 M $A: 4.5$ $Good$ C. Fair Multiple stems growing from ground level with bark included unions typical of species. Crown is moderately shaded leading to bare patches. T17 W 1.5 0 W 1.5 0 $R: 1.19$ $S: Good$ $C: Fair$ Multiple stems growing from ground level with bark included unions typical of species. Crown is moderately shaded leading to bare patches. T17 W 1.5 0 W 1 0 EM $A: 3.7$ $Good$ $C: Good$ Multiple stems growing from ground level with bark included unions typical of species. Crown is moderately shaded leading to bare patches. T17 W 1 0 EM $A: 3.7$ $Good$ $C: Good$ N notable features. Estimated T18 Z S 1 0 EM $A: 3.7$ $Good$ $C: Good$ N notable features. N N S	Cat ERC Measurement C.1 10+ yrs
Leyland Cypress 4.5 1 100 N 1.5 0 M A: 4.5 Good C: Fair Multiple stems growing from ground level with bark included unions typical of species. Crown is moderately shaded leading to bare patches. T17 The information of typess 3 1 90 N 1 0 EM A: 3.7 Good C: Good Multiple stems growing from ground level with bark included unions typical of species. Crown is moderately shaded leading to bare patches. Estimated T17 The information of typess 3 1 90 N 1 0 EM A: 3.7 Good C: Good No notable features. Estimated T18 Tailain Cypress 3 1 90 N 1 0 EM A: 3.7 Good C: Good No notable features. Estimated T19 Mountain Ash 3 1 100 N 2.5 1.5 EM A: 8.9 Good C: Good No notable features. No notable features. T19 Mountain Ash 3 1 100 N 2.5 1.5 FM A: 8.9 Good	C.1 10+ yrs
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S 1.5 0 B: Fair Multiple setting growing indiring growing indirindi growing indirindi growing indiring growing indirin	
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T17 Estimated Italian Cypress 3 1 90 N 1 0 EM A: 3.7 Good C: Good No notable features. Estimated Cupressus sempervirens 3 1 90 N 1 0 EM A: 3.7 Good C: Good No notable features. Estimated T18 3 1 90 N 1 0 EM A: 3.7 Good C: Good No notable features. Estimated T18 2 3 1 90 N 1 0 EM A: 3.7 Good C: Good No notable features. Estimated T19 2 1 0 EM A: 8.9 Good C: Good No notable features. No notable features. Sorbus aucuparia 3 1 100 N 2.5 1.5 EM A: 8.9 Good C: Good No notable features. No notable features. Mountain Ash 3 1 100 N 2.5 1.5 EM A: 14.7 Good C: Good </td <td></td>	
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Cupressus sempenvirens E 1 0 R: 1.08 S: Good B: Good No notable features. T18 T18 T18 T18 T18 T18 T18 T18 T18 T19 T11 T11 T11 T11 T11 T11 T11 T18 T18 T18 T19 T11 T11<	Measurement
S 1 0 B: Good No holdable features. T18 T18 T18 T18 T18 T19 T10 T10 T10 T10 T10 T10 T10 T10 T11 0 EM A: 3.7 Good C: Good S: Good No notable features. Estimated T19 T19 T19 T10 T13 T10 T13 T10 T110	C.1
S 1 0 B: Good T18 V 1 0 Estimated Italian Cypress 3 1 90 N 1 0 EM A: 3.7 Good C: Good Estimated Cupressus sempervirens 3 1 90 N 1 0 EM A: 3.7 Good C: Good No notable features. Estimated T19 Mountain Ash 3 1 140 N 2.5 1.5 EM A: 8.9 Good C: Good No notable features. No notable features. Sorbus aucuparia 3 1 140 N 2.5 1.5 EM A: 8.9 Good C: Good No notable features. No notable	10+ yrs
T18 3 1 90 N 1 0 EM A: 3.7 Good C: Good Monotable features. Estimated Cupressus sempervirens 3 1 90 N 1 0 EM A: 3.7 Good C: Good No notable features. No notable features. <td>,</td>	,
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Cupressus sempervirensE10R: 1.08S: Good B: GoodNo notable features.T19Mountain Ash Sorbus aucuparia31140N2.51.5EMA: 8.9 B: GoodGoodC: Good S: GoodNo notable features.T20Mountain Ash Sorbus aucuparia41180N2.51.5FMA: 14.7 B: 2.5GoodC: Good S: GoodNo notable features.T20Mountain Ash Sorbus aucuparia41180N2.51.5R: 2.16S: Good S: GoodNo notable features.T21Birch 'Youngii'2.51110N21.5EMA: 5.5GoodC: Good S: GoodNo notable features.	Measurement
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$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	10+ yrs
T19 Nountain Ash 3 1 140 N 2.5 1.5 EM A: 8.9 Good C: Good No No <t< td=""><td>,</td></t<>	,
Mountain Ash Sorbus aucuparia 3 1 140 N 2.5 1.5 EM A: 8.9 Good C: Good No notable features. T20 No notable features A 1 180 N 2.5 1.5 FM A: 14.7 Good C: Good No notable features. T20 A 1 180 N 2.5 1.5 FM A: 14.7 Good C: Good No notable features. Sorbus aucuparia 4 1 180 N 2.5 1.5 FM A: 14.7 Good C: Good No notable features. T21 No 2.5 1.5 S FM A: 5.5 Good C: Good No notable features. T21 Birch 'Youngii' 2.5 1 110 N 2 1.5 EM A: 5.5 Good C: Good Birch 'Youngii' 2.5 1 110 N 2 1.5 EM A: 5.5 Good C: Good	
Sorbus aucuparia E 3 1.5 R: 1.68 S: Good B: Good No notable features. T20 Mountain Ash Sorbus aucuparia 4 1 180 N 2.5 1.5 EM A: 14.7 Good C: Good B: Good No notable features. T20 E 2.5 1.5 EM A: 14.7 Good C: Good B: Good No notable features. Sorbus aucuparia 4 1 180 N 2.5 1.5 FM A: 14.7 Good C: Good B: Good No notable features. T21 E 2.5 1.5 FM A: 5.5 Good C: Good Birch 'Youngii' 2.5 1 10 N 2 1.5 EM A: 5.5 Good C: Good	
S 2 1.5 B: Good No notable redures. T20 Mountain Ash Sorbus aucuparia 4 1 180 N 2.5 1.5 EM A: 14.7 Good C: Good S: Good No notable features. T21 T21 T21 T25 1 110 N 2 1.5 EM A: 5.5 Good C: Good No notable features. T21 T21 T25 1 110 N 2 1.5 EM A: 5.5 Good C: Good	B.1
S 2 1.5 B: Good T20 Mountain Ash 4 1 180 N 2.5 1.5 EM A: 14.7 Good C: Good S: Good No notable features. Sorbus aucuparia 4 1 180 N 2.5 1.5 EM A: 14.7 Good C: Good S: Good No notable features. T21 Birch 'Youngii' 2.5 1 110 N 2 1.5 EM A: 5.5 Good C: Good No notable features.	20+ yrs
T20 A 1 180 N 2.5 1.5 EM A: 14.7 Good C: Good S: Good No No <td></td>	
Mountain Ash Sorbus aucuparia 4 1 180 N 2.5 1.5 EM A: 14.7 Good C: Good S: Good S: Good S: Good No notable features. T21 Birch 'Youngii' 2.5 1 110 N 2 1.5 EM A: 5.5 Good C: Good S: Good No notable features.	
Sorbus aucuparia E 2.5 1.5 R: 2.16 S: Good No notable features. Sorbus 2.5 1.5 No No No No T21 Birch 'Youngii' 2.5 1 110 N 2 1.5 EM A: 5.5 Good C: Good No	
S 2.5 1.5 B: Good No notable redures. T21 Birch 'Youngii' 2.5 1 10 N 2 1.5 EM A: 5.5 Good C: Good	B.1
S 2.5 1.5 B: Good T21 Birch 'Youngii' 2.5 1 10 N 2 1.5 EM A: 5.5 Good C: Good	20+ yrs
T21 Birch 'Youngii' 2.5 1 110 N 2 1.5 EM A: 5.5 Good C: Good	
Birch 'Youngii' 2.5 1 110 N 2 1.5 EM A: 5.5 Good C: Good	
-	
	C.1
Betula youngii E 2 1.5 R: 1.32 S: Good No notable features.	10+ yrs
S 0.5 1.5 B: Good	,
W 0.5 1.5	
Age Classifications: N Newly planted EM Early Mature Condition: C Crown Stems: Ø Diameter	
Age classifications. Note why planed End planed End planed Stems. Defaned Y Young M Mature Stems. Stems. (Eq) Equivalent stem diameter using BS5837:2012	definition
SM Semi-mature OM Over Mature B Basal area ERC: Estimated Remaining Contributio	
Page 4 TreeMinder 08 Se	

Tree and Tag No		Hght		Stems		Crown			RP	Phys	Structural	Preliminary Recommendations	Cat
Species		(m)	No	Ø (mm)	Sprea (m)		Clear (m)	Age	A (m²) R (m)	Condition	Condition	Survey Comment	ERC
T22													
Norway Maple		5	1	210	Ν	2.5	2	EM	A: 20	Good	C: Good		B.1
Acer platanoides					Е	3	2		R: 2.52		S: Good	No notable features.	20+ yrs
					S	3	2				B: Good	No notable reduies.	- / -
					W	3	2						
T23												Estimated M	leasurement
Goat Willow		3.5	1	80	Ν	2	0	SM	A: 2.9	Good	C: Good		C.2
Salix caprea					Е	2	0		R: 0.96		S: Good		10+ yrs
					S	2	0				B: Good	Small multi stemmed willow presenting as a shrub.	101 913
					W	2	0						
T24												Estimated M	leasurement
Swedish Whitebeam		5	1	130	Ν	0.5	1	SM	A: 7.6	Poor	C: Poor		U
Sorbus intermedia					Е	0.5	1		R: 1.55		S: Fair	Trees have a moderate lean to the East due to high winds.	<10 yrs
					S	0.5	1				B: Good	The crown is 80% dead due to wind.	<10 yrs
					W	0.5	1						
T25												Estimated M	leasurement
Swedish Whitebeam		5	1	130	Ν	0.5	1	SM	A: 7.6	Poor	C: Poor		U
Sorbus intermedia					Е	0.5	1		R: 1.55		S: Fair	Trees have a mederate lean to the East due to high winds	<10 yrs
					S	0.5	1				B: Good	Trees have a moderate lean to the East due to high winds. The crown is 80% dead due to wind.	<10 yrs
					W	0.5	1						
Т26													
Common Horse Chestnut		4	1	150	Ν	2	2	SM	A: 10.2	Good	C: Good		B.1
Aesculus hippocastanum					Е	2	2		R: 1.8		S: Fair	Wound stratching from base to erourn (2m 1cm) ecoluding	20+ yrs
					S	2	2				B: Good	Wound stretching from base to crown (2m-1cm) occluding.	201 913
					W	2	2						
T27													
Common Horse Chestnut		4	1	140	Ν	2	2.5	SM	A: 8.9	Good	C: Good		B.1
Aesculus hippocastanum					Е	2	2.5		R: 1.68		S: Good	No notable features.	20+ yrs
					S	2	2.5				B: Good	No holable realures.	201 915
					W	2	2.5						
		NI	I		- 14 - 1					0		Otomore de Discustor	
Age Classifications:	N	Newly plant	ted	EM Early			C	Condit				Stems: Ø Diameter	ofinitie
	Y	Young Semi-matu	ro	M Matu OM Over					S			(Eq) Equivalent stem diameter using BS5837:2012 de ERC: Estimated Remaining Contributio	elinition
	SIVI	Semi-matu	le	Ow Over	wature				В	Basal area	a	ERC: Estimated Remaining Contributio	
Page 5									TreeN	linder		08 Sept	tember 2023

Tree and Tag No		Hght	S	Stems		Crow			RP	a Phys	Structura	J	Preliminary Recommendations	Cat
Species		(m)	No	Ø (mm)	Spre (m		Clear (m)	Age	A (m)	7			Survey Comment	ERC
T28														
Common Horse Chestnut		4	1	150	Ν	2.5	2	SM	A: 10.2	2 Good	C: Good			B.1
Aesculus hippocastanum					Е	2.5	2		R: 1.8		S: Good	Non	btable features.	20+ yr
					S	2.5					B: Good			,
					W	2.5	2							
T29														
Mountain Ash		3.5	1	110	Ν	1.5		EM		Good	C: Good			C.1
Sorbus aucuparia					Е	1.5			R: 1.32	2	S: Good	No no	otable features.	10+ yr
					S	1.5	2				B: Good			,
					W	1.5	2							
Т30														
Mountain Ash		3.5	1	110	Ν	2	2	EM	A: 5.5	Dead	C: Poor			U
Sorbus aucuparia					Е	2	2	-	R: 1.32	2	S: Good	Dead	tree	n/a
					S	2	2				B: Good	Dedu		.,_
					W	2	2							
T31														
Mountain Ash		3.5	1	120	Ν	1.5	2	EM	A: 6.5	Good	C: Good			C.1
Sorbus aucuparia					Е	1.5	2		R: 1.43	3	S: Good	Non	otable features.	10+ yr
					S	1.5					B: Good	NO IN	Juble reactives.	2011).
					W	1.5	2							
Age Classifications:	N	Newly plante	he	EM Early	Matur	۵		Cond	tion	C Crown		Stems:	Ø Diameter	
Age Classifications.	Y	Young	⁵ u	M Matu		C		Conu	uon.	S Stem		Stems.	(Eq) Equivalent stem diameter using BS5837:2	012 definition
		Semi-mature	2	OM Over		9				B Basal an	ea	ERC:	Estimated Remaining Contributio	
Page 6	0.01	com mature			mature					eMinder		LINU.		3 September 202



Appendix 2: Contact Details

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	Site Manager						
	Main contractor						

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