



Arboricultural Survey to BS5837:2012

Genr8 Kajima Regeneration (Huyton) Limited

**Land off Archway Road
Huyton
Metropolitan Borough of Knowsley
Merseyside
L36 9UX**

20 March 2025

Shaun Rowe BSc (Hons) MArborA

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This report has been released electronically and the appendices have been included at the end of this report. Plans are included as A0, A1, A2 or A3 as appropriate.

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1. Introduction

Arbtech Consulting Limited (Arbtech) received written instruction on 11th March 2025 from Genr8 Kajima Regeneration (Huyton) Limited to attend Land off Archway Road, Huyton, Metropolitan Borough of Knowsley, Merseyside L36 9UX (site) to undertake an arboricultural survey to BS5837:2012 guidance to assess trees, hedges and major shrub groups growing on and within influencing distance of the site and to produce a Schedule of trees, Tree Constraints Plan, Arboricultural Impact Assessment, Arboricultural Method Statement and Tree Protection Plan.

I am Shaun Rowe, an arboricultural consultant at Arbtech Consulting Ltd. I undertook the tree survey on 13th, 14th & 19th March 2025 and subsequently have produced this summary of my findings.

I hold a BSc Honours degree in Arboriculture and Urban Forestry and a BTEC Level 3 Arboriculture and have professional experience in arboriculture spanning 3 years. I hold the industry standard LANTRA Professional Tree Inspection accreditation and also hold a professional membership with 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	N/A & S24376-T_A
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 on and within impacting distance of the site was undertaken by Shaun Rowe on 13th, 14th & 19th March 2025.

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 112No. individual trees, 15No. groups of trees and 25No. hedges groups 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	N/A & Survey & Engineering Projects	N/A & S24376-T_A	Topo_2D & 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 spans across the two areas shown in Figure 2 and includes a large parking area surrounding Knowsley Council offices spaces to the south of B5199, Archway Road. The site also includes the carpark area of Huyton Library. The area to the east consists of the area surrounding a multistorey car park to the west of Lathom Road.

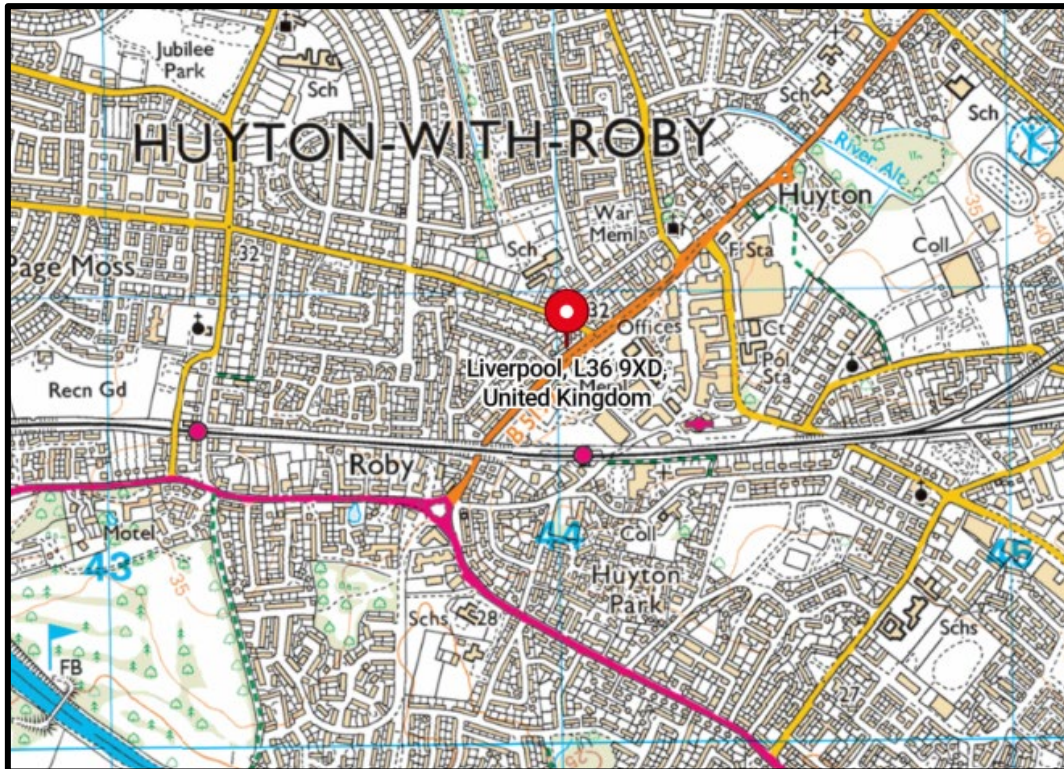


Figure 1: OS Map (Bing Maps)

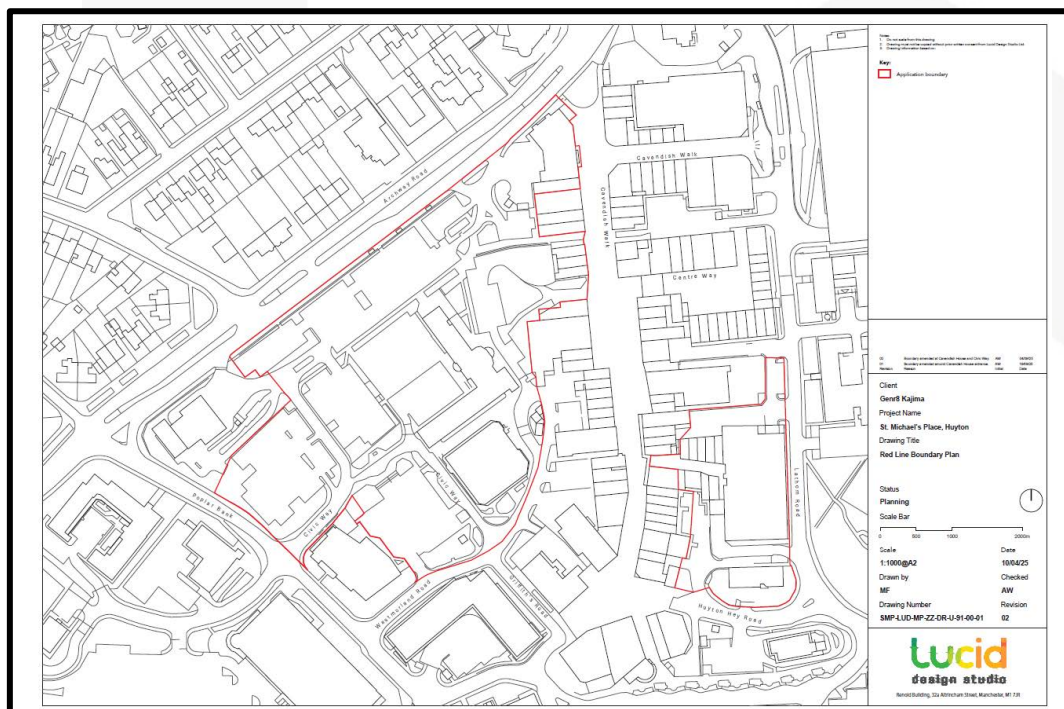


Figure 2: Site plan with approximate red line boundary of tree survey (Lucid Design Studio)

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.

This report does not constitute a tree safety survey, nor does it fulfil the stewards/landowners Duty of Care in relation to tree risk.

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,



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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

Appendix 2: Schedule of Trees

BS5837:2012 Tree Survey

Arbtech Consulting Ltd.

Client: Genr8 Kajima Regeneration (Huyton) Limited
 Project: Land off Archway Road, Huyton, Metropolitan Borough of Knowsley, Merseyside L36 9UX

Survey Date: 13/03/2025, 14/03/2025 & 19/03/2025

Surveyor: Shaun Rowe



Chester Road
 Chester
 Cheshire
 CH4 0DH
 Phone: 01244661170
 Mobile: N/A

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		
Various		12	1	690	N	6.5	3	M	A: 215.4	Good	C: Good		B.2
See comments for details					E	6.5	3		R: 8.28		S: Good	Informal line off site trees. Stem diameter is a maximum measurement. Species include lime, Norway maple and common alder. Good landscape value.	20+ yrs
					S	6.5	3				B: Good		
					W	6.5	3						
G02												Estimated Measurements	
Silver Birch		10	1	310	N	4	3	SM	A: 43.5	Good	C: Good		B.2
Betula pendula					E	4	3		R: 3.72		S: Good	Group of three tightly packed birch trees all sharing crown space. Group dimensions based on largest individual within group. Good landscape value.	20+ yrs
					S	4	3				B: Good		
					W	4	3						
G03												Estimated Measurements	
Common Hornbeam		6	1	200	N	2.5	2	SM	A: 18.1	Good	C: Good		C.1
Carpinus betulus					E	2.5	2		R: 2.4		S: Good	Formal line of trees in strip of grassland adjacent to parking bays. Stem diameter is a maximum estimate.	10+ yrs
					S	2.5	2				B: Good		
					W	2.5	2						
G04												Estimated Measurements	
Various		7	1	210	N	3	2	SM	A: 20	Good	C: Good		B.2
See comments for details					E	3	2		R: 2.52		S: Good	Group of nine trees, species including sycamore and Norway maple. Stem diameter is a maximum measurement. Good landscape value.	20+ yrs
					S	3	2				B: Good		
					W	3	2						
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		
G05											Estimated Measurements		
Common Beech <i>Fagus sylvatica</i>		14	1	520	N E S W	6 6 6 6	5 5 5 5	M R: 6.23	Good	C: Good S: Good B: Good	Formal line of five beech trees. Stem diameter is a maximum measurement. Good landscape value as a group.		B.2 20+ yrs
G06											Estimated Measurements		
Common Beech <i>Fagus sylvatica</i>		14	1	500	N E S W	6 6 6 6	5 5 5 5	EM R: 6	Good	C: Good S: Good B: Good	Formal line of five beech trees. Stem diameter is a maximum measurement. Good landscape value as a group.		B.2 20+ yrs
G07											Estimated Measurements		
Various <i>See comments for details</i>		14	1	550	N E S W	5 5 5 5	5 5 5 5	EM R: 6.6	Good	C: Good S: Good B: Good	Group includes four trees, species including sycamore and Norway maple. Good landscape value as a group. Stem diameter is a maximum measurement.		B.1 20+ yrs
G08											Estimated Measurements		
Various <i>See comments for details</i>		11	1	330	N E S W	4 4 4 4	3 3 3 3	EM R: 3.96	Good	C: Good S: Good B: Good	Group of five trees with species including common lime, Norway maple and common alder. Stem diameter is a maximum measurement. Good landscape value.		B.1 20+ yrs
G09											Estimated Measurements		
Silver Birch <i>Betula pendula</i>		12	1	320	N E S W	4 4 4 4	4 4 4 4	EM R: 3.83	Good	C: Good S: Good B: Good	Group of three Multistemmed birch trees in small area of fenced off grassland. Stem diameter is a maximum measurement. Good landscape value.		B.1 20+ yrs
G10											Estimated Measurements		
Various <i>See comments for details</i>		3	1	100	N E S W	1 1 1 1	0 0 0 0	SM R: 1.19	Good	C: Good S: Good B: Good	Area of unmanaged shrub growth. Stem diameter is a maximum estimate. Species include barberry, box and ash.		C.2 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		
G11											Estimated Measurements		
Various <i>See comments for details</i>		11	1	320	N E S W	5 5 5 5	4 4 4 4	EM 	A: 46.3 R: 3.83	Good	C: Good S: Good B: Good	Formally planted group of eleven trees with species including ash and maple. Stem diameter is a maximum measurement. Good landscape value.	B.1 20+ yrs
G12											Estimated Measurements		
Various <i>See comments for details</i>		14	1	400	N E S W	5 5 5 5	4 4 4 4	EM 	A: 72.4 R: 4.8	Good	C: Good S: Good B: Good	Formally planted group of eleven trees with species including ash, silver birch, cabbage tree and maple. Stem diameter is a maximum estimate. Good landscape value.	B.2 20+ yrs
G13											Estimated Measurements		
Himalayan Birch <i>Betula utilis</i>		8	1	250	N E S W	4 4 4 4	2 2 2 2	EM 	A: 28.3 R: 3	Good	C: Good S: Good B: Good	Formal line of four birch. Stem diameter is a maximum estimate. Good landscape value. Growing in fenced off area of grassland.	B.2 20+ yrs
G14											Estimated Measurements		
Silver Birch <i>Betula pendula</i>		15	1	400	N E S W	4 4 4 4	3 3 3 3	EM 	A: 72.4 R: 4.8	Good	C: Good S: Good B: Good	Group of five silver birch. Ivy prominent throughout group. Stem diameter is a maximum estimate. Good landscape value.	B.2 20+ yrs
G15											Estimated Measurements		
Various <i>See comments for details</i>		18	1	440	N E S W	4 4 4 4	2 2 2 2	EM 	A: 87.6 R: 5.28	Good	C: Good S: Good B: Good	Group growing in strip of grassland adjacent to car parking bays and access road. Species include sycamore, poplar and holly. Hedges growing in understory. Many poplars within group approaching safe useful life expectancy. Stem diameter is a maximum estimate. Good overall landscape value as a group.	B.2 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		
H01											Estimated Measurements		
Common Yew <i>Taxus baccata</i>		3	1	75	N	0.5	0	SM	A: 2.5 R: 0.89	Good	C: Good S: Not visible B: Not visible	Well maintained yew hedge. Average height of 1.5 m with max height of 3 m where hedge has been pruned to form archway. Stem diameter is a maximum estimate.	C.2
					E	0.5	0				10+ yrs		
					S	0.5	0						
					W	0.5	0						
H02											Estimated Measurements		
Common Yew <i>Taxus baccata</i>		1.5	1	75	N	0.5	0	SM	A: 2.5 R: 0.89	Good	C: Good S: Good B: Good	Small section of well maintained hedge. Stem diameter is a maximum estimate.	C.2
					E	0.5	0				10+ yrs		
					S	0.5	0						
					W	0.5	0						
H03											Estimated Measurements		
Common Yew <i>Taxus baccata</i>		1.5	1	75	N	0.5	0	SM	A: 2.5 R: 0.89	Good	C: Good S: Good B: Good	Small section of well maintained hedge. Stem diameter is a maximum estimate.	C.2
					E	0.5	0				10+ yrs		
					S	0.5	0						
					W	0.5	0						
H04											Estimated Measurements		
Lawson Cypress <i>Chamaecyparis lawsoniana</i>		2	1	75	N	0.5	0	SM	A: 2.5 R: 0.89	Good	C: Good S: Not visible B: Not visible	Small section of hedge within traffic island. Stem diameter is a maximum estimate.	C.2
					E	0.5	0				10+ yrs		
					S	0.5	0						
					W	0.5	0						
H05											Estimated Measurements		
Common Beech <i>Fagus sylvatica</i>		1.5	1	75	N	0.5	0	SM	A: 2.5 R: 0.89	Good	C: Good S: Good B: Good	Small section of well maintained hedge. Stem diameter is a maximum estimate.	C.2
					E	0.5	0				10+ yrs		
					S	0.5	0						
					W	0.5	0						
H06											Estimated Measurements		
A Hedge <i>See comments for details</i>		2	1	75	N	0.5	0	SM	A: 2.5 R: 0.89	Good	C: Good S: Good B: Good	Well maintained privet hedge. Stem diameter is a maximum estimate.	C.2
					E	0.5	0				10+ yrs		
					S	0.5	0						
					W	0.5	0						
Age Classifications: N Newly planted EM Early Mature Condition: C Crown Y Young M Mature S Stem SM Semi-mature OM Over Mature 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		
H07											Estimated Measurements		
A Hedge		2	1	75	N	0.5	0	SM	A: 2.5	Good	C: Good		C.2
See comments for details					E	0.5	0		R: 0.89		S: Good	Well maintained privet hedge. Stem diameter is a maximum estimate.	10+ yrs
					S	0.5	0				B: Good		
					W	0.5	0						
H08												Estimated Measurements	
Common Yew		1	1	75	N	0.5	0	SM	A: 2.5	Good	C: Good		C.2
Taxus baccata					E	0.5	0		R: 0.89		S: Good	Well maintained privet hedge. Stem diameter is a maximum estimate.	10+ yrs
					S	0.5	0				B: Good		
					W	0.5	0						
H09												Estimated Measurements	
Various		1.5	1	75	N	0.5	0	SM	A: 2.5	Good	C: Good		C.2
See comments for details					E	0.5	0		R: 0.89		S: Good	Well maintained hawthorn and beech boundary hedge. Stem diameter is a maximum estimate.	10+ yrs
					S	0.5	0				B: Good		
					W	0.5	0						
H10												Estimated Measurements	
Various		1.5	1	75	N	0.5	0	SM	A: 2.5	Good	C: Good		C.2
See comments for details					E	0.5	0		R: 0.89		S: Good	Well maintained hawthorn and beech boundary hedge. Stem diameter is a maximum estimate.	10+ yrs
					S	0.5	0				B: Good		
					W	0.5	0						
H11												Estimated Measurements	
Various		1.5	1	75	N	0.5	0	SM	A: 2.5	Good	C: Good		C.2
See comments for details					E	0.5	0		R: 0.89		S: Good	Well maintained hawthorn and beech boundary hedge. Stem diameter is a maximum estimate.	10+ yrs
					S	0.5	0				B: Good		
					W	0.5	0						
H12												Estimated Measurements	
Various		1.5	1	75	N	0.5	0	SM	A: 2.5	Good	C: Good		C.2
See comments for details					E	0.5	0		R: 0.89		S: Good	Well maintained hawthorn and beech boundary hedge. Stem diameter is a maximum estimate.	10+ yrs
					S	0.5	0				B: Good		
					W	0.5	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		
H13											Estimated Measurements	
Various	1.5	1	75	N	0.5	0	SM	A: 2.5	Good	C: Good		C.2
See comments for details				E	0.5	0		R: 0.89		S: Good	Well maintained hawthorn and beech boundary hedge. Stem diameter is a maximum estimate.	10+ yrs
				S	0.5	0				B: Good		
				W	0.5	0						
H14											Estimated Measurements	
Various	1.5	1	75	N	0.5	0	SM	A: 2.5	Good	C: Good		C.2
See comments for details				E	0.5	0		R: 0.89		S: Good	Well maintained hawthorn and beech boundary hedge. Stem diameter is a maximum estimate.	10+ yrs
				S	0.5	0				B: Good		
				W	0.5	0						
H15											Estimated Measurements	
Various	1.5	1	75	N	0.5	0	SM	A: 2.5	Good	C: Good		C.2
See comments for details				E	0.5	0		R: 0.89		S: Good	Well maintained dogwood and yew boundary hedge. Stem diameter is a maximum estimate.	10+ yrs
				S	0.5	0				B: Good		
				W	0.5	0						
H16											Estimated Measurements	
Various	1.5	1	75	N	0.5	0	SM	A: 2.5	Good	C: Good		C.2
See comments for details				E	0.5	0		R: 0.89		S: Good	Well maintained cotoneaster and yew boundary hedge. Stem diameter is a maximum estimate.	10+ yrs
				S	0.5	0				B: Good		
				W	0.5	0						
H17											Estimated Measurements	
Common Yew	1.5	1	75	N	0.5	0	SM	A: 2.5	Good	C: Good		C.2
Taxus baccata				E	0.5	0		R: 0.89		S: Good	Well maintained hedge.	10+ yrs
				S	0.5	0				B: Good		
				W	0.5	0						
H18											Estimated Measurements	
Common Yew	2	1	75	N	0.5	0	SM	A: 2.5	Good	C: Good		C.2
Taxus baccata				E	0.5	0		R: 0.89		S: Good	Well maintained hedge.	10+ yrs
				S	0.5	0				B: Good		
				W	0.5	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		
H19											Estimated Measurements	
Various	1.5	1	75	N	0.5	0	SM	A: 2.5	Good	C: Good		C.2
See comments for details				E	0.5	0		R: 0.89		S: Not visible	Yew and acca hedge. Stem diameter is a maximum estimate.	10+ yrs
				S	0.5	0				B: Not visible		
				W	0.5	0						
H20											Estimated Measurements	
Various	1.5	1	75	N	0.5	0	SM	A: 2.5	Good	C: Good		C.2
See comments for details				E	0.5	0		R: 0.89		S: Not visible	Cherry laurel hedge. Stem diameter is a maximum estimate.	10+ yrs
				S	0.5	0				B: Not visible		
				W	0.5	0						
H21											Estimated Measurements	
Various	1.5	1	75	N	0.5	0	SM	A: 2.5	Good	C: Good		C.2
See comments for details				E	0.5	0		R: 0.89		S: Not visible	Yew hedge. Stem diameter is a maximum estimate.	10+ yrs
				S	0.5	0				B: Not visible		
				W	0.5	0						
H22											Estimated Measurements	
Various	1.5	1	75	N	0.5	0	SM	A: 2.5	Good	C: Good		C.2
See comments for details				E	0.5	0		R: 0.89		S: Not visible	Beech hedge. Stem diameter is a maximum estimate.	10+ yrs
				S	0.5	0				B: Not visible		
				W	0.5	0						
H23											Estimated Measurements	
Various	1.5	1	75	N	0.5	0	SM	A: 2.5	Good	C: Good		C.2
See comments for details				E	0.5	0		R: 0.89		S: Not visible	Yew hedge. Stem diameter is a maximum estimate.	10+ yrs
				S	0.5	0				B: Not visible		
				W	0.5	0						
H24											Estimated Measurements	
Various	2	1	100	N	0.5	0	SM	A: 4.5	Good	C: Good		C.2
See comments for details				E	0.5	0		R: 1.19		S: Good	Beech and gorse hedge along car park boundary. Stem diameter is a maximum estimate.	10+ yrs
				S	0.5	0				B: Good		
				W	0.5	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			
H25											Estimated Measurements			
A Hedge		2	1	75	N	0.5	0	SM	A: 2.5 R: 0.89	Good	C: Good S: Good B: Good		C.2	
See comments for details					E	0.5						0		Well maintained privet hedge. Stem diameter is a maximum estimate.
					S	0.5						0		
					W	0.5						0		
T01											Estimated Measurements			
Common Beech		10	1	380	N	3	3	EM	A: 65.3 R: 4.55	Good	C: Good S: Good B: Good		B.1	
Fagus sylvatica					E	4						3		No access, tree growing within fenced off area. Dimensions estimated. Good form and landscape value.
					S	4						3		
					W	4						3		
T02											Estimated Measurements			
Common Beech		10	1	350	N	4	3	EM	A: 55.4 R: 4.19	Good	C: Good S: Good B: Good		B.1	
Fagus sylvatica					E	4						3		No access, tree growing within fenced off area. Dimensions estimated. Good form and landscape value.
					S	2						6		
					W	2						3		
T03											Estimated Measurements			
Common Beech		10	1	350	N	4	3	EM	A: 55.4 R: 4.19	Good	C: Good S: Good B: Good		B.1	
Fagus sylvatica					E	2						3		No access, tree growing within fenced off area. Dimensions estimated. Good form and landscape value.
					S	2						6		
					W	4						3		
T04											Estimated Measurements			
Common Horse Chestnut		10	1	700	N	5	5	M	A: 221.7 R: 8.4	Good	C: Good S: Good B: Not visible		B.1	
Aesculus hippocastanum					E	6						5		Tree growing within fenced off area. No view of base due to dense ivy growth. Historically crown lifted to south and previously pruned to north providing clearance from active demolition zone.
					S	6						5		
					W	4						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		
T05											Estimated Measurements	
Common Horse Chestnut <i>Aesculus hippocastanum</i>	10	1	700	N E S W	5 0 6 5	6 6 5 6	M A: 221.7 R: 8.4	Good	C: Good S: Good B: Good	Tree growing within fenced off area. No view of base due to dense ivy growth. Historically crown lifted to south and previously pruned to north providing clearance from active demolition zone. Naturally suppressed to east due to adjacent more dominant tree.		B.1 20+ yrs
T06												
Common Beech <i>Fagus sylvatica</i>	12	1	740	N E S W	5 2 5 5	8 8 4 5	M A: 247.8 R: 8.88	Good	C: Fair S: Good B: Good	Tree growing within fenced off area. No view of base due to dense ivy growth. Previously topped at c. 12 m. Naturally suppressed to east due to adjacent more dominant tree.		B.1 20+ yrs
T07												
Turkish Hazel <i>Corylus colurna</i>	5	1	200	N E S W	2 2 1 1	2 2 2 2	SM A: 18.1 R: 2.4	Fair	C: Fair S: Good B: Good	Growing in old planting pit within pavement. Low level deadwood within crown.		C.1 10+ yrs
T08												
Turkish Hazel <i>Corylus colurna</i>	7	1	310	N E S W	3.5 4 4 4	2 2 2 2	EM A: 43.5 R: 3.72	Fair	C: Fair S: Good B: Good	Growing in old planting pit within pavement.		C.1 10+ yrs
T09												
Common Ash <i>Fraxinus excelsior</i>	8	1	330	N E S W	5.5 5 5.5 5.5	3 3 3 3	SM A: 49.3 R: 3.96	Good	C: Good S: Good B: Good	Tree growing in area of grassland. Minor superficial bark damage on lower stem. Good form.		B.1 20+ yrs
T10												
Sorbus <i>Sorbus sp.</i>	5	1	330	N E S W	3 3 4.5 3.5	3 3 3 3	M A: 49.3 R: 3.96	Decline	C: Fair S: Fair B: Fair	Tree growing in area of grassland. Deadwood and areas of poor bud density within crown. Wounding and decay of outer layers of bark abundant on stem. Tree in decline.		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		
T11												
Cherry <i>Prunus sp.</i>	8	1	300	N E S W	3.5 4.5 3 3.5	5 5 5 5	SM A: 40.7 R: 3.59	Good	C: Good S: Good B: Good	Tree growing in area of grassland. Historic loss of companion shelter to south west due to previous tree removal. Previously pruned to south east to provide adequate clearance over parking bays. Sharing crown space with adjacent tree.		B.1 20+ yrs
T12												
Cherry <i>Prunus sp.</i>	8	1	330	N E S W	4.5 4 2.5 2.5	5 5 5 5	SM A: 49.3 R: 3.96	Good	C: Good S: Good B: Good	Tree growing in area of grassland. Historic loss of companion shelter to south west due to previous tree removal. Sharing crown space with adjacent trees.		B.1 20+ yrs
T13												
Cherry <i>Prunus sp.</i>	8	1	310	N E S W	5 3.5 3.5 2	5 5 5 5	SM A: 43.5 R: 3.72	Good	C: Good S: Good B: Good	Tree growing in area of grassland. Historic loss of companion shelter to south west due to previous tree removal. Sharing crown space with adjacent trees.		B.1 20+ yrs
T14												
Cherry <i>Prunus sp.</i>	8	1	320	N E S W	5.5 3 3 4.5	5 5 5 5	SM A: 46.3 R: 3.83	Good	C: Good S: Good B: Good	Tree growing in area of grassland. Historic loss of companion shelter to south west due to previous tree removal. Sharing crown space with adjacent trees.		B.1 20+ yrs
T15												
Turkish Hazel <i>Corylus colurna</i>	5	1	190	N E S W	2 2 2 2	3 3 3 3	SM A: 16.3 R: 2.27	Good	C: Good S: Good B: Good	Growing in old planting pit within pavement.		C.1 10+ yrs
T16												
Cherry <i>Prunus sp.</i>	8	1	370	N E S W	2.5 5 6.5 6.5	5 5 5 5	EM A: 61.9 R: 4.43	Good	C: Good S: Good B: Good	Tree growing within area of grassland. Sharing crown space with adjacent tree to north. Good landscape value.		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		
T17												
Cherry <i>Prunus sp.</i>	8	1	370	N	6.5	5	EM	A: 61.9 R: 4.43	Good	C: Good S: Good B: Good	Tree growing within area of grassland. Sharing crown space with adjacent tree to south. Good landscape value.	B.1 20+ yrs
T18												
Sorbus <i>Sorbus sp.</i>	7	1	270	N	3.5	4	M	A: 33 R: 3.24	Good	C: Good S: Fair B: Fair	Tree growing in small area of grassland adjacent to roadway. Superficial bark damage and cracking throughout stem. Prominent at base, northern aspect. Good crown vitality.	C.1 10+ yrs
T19												
Norway Maple <i>Acer platanoides</i>	10	1	340	N	4.5	3	EM	A: 52.3 R: 4.08	Good	C: Good S: Good B: Good	Tree growing within small strip of grassland adjacent to pathway and road. Historic loss of companion shelter to southeast. Good form and landscape value.	B.1 20+ yrs
T20												
Cherry <i>Prunus sp.</i>	7	1	350	N	5.5	4	EM	A: 55.4 R: 4.19	Good	C: Good S: Good B: Good	Tree growing in small section of grassland adjacent to path and roadway. Minor superficial mechanical damage to structural surface roots, likely due to grass maintenance.	B.1 20+ yrs
T21												
Silver Birch <i>Betula pendula</i>	7	1	220	N	3	3	SM	A: 21.9 R: 2.64	Good	C: Good S: Good B: Good	Growing in small planting area to south of building. Hard surface drop in level to immediate north with pathway to south.	B.1 20+ yrs
T22												
Silver Birch <i>Betula pendula</i>	7	1	270	N	4.5	3	SM	A: 33 R: 3.24	Good	C: Good S: Good B: Good	Growing in small planting area to south of building. Hard surface drop in level to immediate northwest with pathway to south.	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) ERC:	Diameter 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			
T23													
Unknown	3.5	3	191	(Eq)	N	2	2	SM	A: 16.5	Decline	C: Poor	Poor future potential.	U <10 yrs
- -					E	0.5	2		R: 2.29		S: Fair		
					S	0.5	2				B: Fair		
					W	1	2						
T24												Estimated Measurements	
Maple	5	1	210		N	0.5	3	EM	A: 20	Good	C: Good	Snakebark maple. No view of base due to vegetation growth.	C.1 10+ yrs
<i>Acer sp.</i>					E	2	3		R: 2.52		S: Good		
					S	2	3				B: Not visible		
					W	2.5	3						
T25													
Silver Birch	10	1	340		N	4	2	EM	A: 52.3	Good	C: Good	Tree growing in small area of grassland to southeast of building. Longitudinal bark wound on southern aspect of stem. Excellent production of wound wood. Good landscape value.	B.1 20+ yrs
<i>Betula pendula</i>					E	3.5	2		R: 4.08		S: Fair		
					S	2.5	3				B: Good		
					W	3	2						
T26													
Cherry	6	1	270		N	3	3	SM	A: 33	Good	C: Good	Tree growing in small area of grassland to southeast of building. Good landscape value.	B.1 20+ yrs
<i>Prunus sp.</i>					E	4	3		R: 3.24		S: Good		
					S	4	3				B: Good		
					W	3	3						
T27													
Swedish Whitebeam	5	1	200		N	2.5	3	SM	A: 18.1	Good	C: Good	Tree growing in small planting area to south east of building. No significant notable features.	C.1 10+ yrs
<i>Sorbus intermedia</i>					E	2.5	3		R: 2.4		S: Good		
					S	2.5	3				B: Good		
					W	2.5	3						
T28													
Swedish Whitebeam	5	1	200		N	2.5	3	SM	A: 18.1	Good	C: Good	Tree growing in small planting area to south east of building. No significant notable features.	C.1 10+ yrs
<i>Sorbus intermedia</i>					E	2.5	3		R: 2.4		S: Good		
					S	2.5	3				B: Good		
					W	2.5	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: Ø (Eq) ERC:	Diameter 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		
T29												
Silver Birch <i>Betula pendula</i>	7	1	180	N	0.5	4	SM	A: 14.7	Good	C: Good	No significant notable features.	C.1
				E	0.5	4		R: 2.16		S: Good		10+ yrs
				S	1	4				B: Good		
				W	1	4						
T30												
Silver Birch <i>Betula pendula</i>	7	2	324 (Eq)	N	3	3	SM	A: 47.6	Good	C: Good	Growing within raised planting pit c. 0.6 m above average ground level. Twin stemmed. Stem diameter measured over ivy.	B.1
				E	5	3		R: 3.89		S: Ivy		20+ yrs
				S	2	3				B: Good		
				W	2	3						
T31											Estimated Measurements	
Silver Birch <i>Betula pendula</i>	8	2	391 (Eq)	N	3.5	6	SM	A: 69	Good	C: Good	Growing in raised planting area c. 0.5 m higher than average ground level. Stem diameter estimated due to vegetation growth around base.	B.1
				E	4	3		R: 4.68		S: Good		20+ yrs
				S	6	3				B: Not visible		
				W	5	3						
T32												
Swedish Whitebeam <i>Sorbus intermedia</i>	7	1	190	N	2	4	SM	A: 16.3	Good	C: Good	Formed part of formal avenue of trees prior to adjacent tree removals. No significant notable features.	C.1
				E	2	4		R: 2.27		S: Good		10+ yrs
				S	2	4				B: Good		
				W	2	4						
T33												
Swedish Whitebeam <i>Sorbus intermedia</i>	7	1	190	N	2	4	SM	A: 16.3	Good	C: Good	Formed part of formal avenue of trees prior to adjacent tree removals. No significant notable features.	C.1
				E	2	4		R: 2.27		S: Good		10+ yrs
				S	2	4				B: Good		
				W	2	4						
T34												
Swedish Whitebeam <i>Sorbus intermedia</i>	7	1	190	N	2	4	SM	A: 16.3	Good	C: Good	Formed part of formal avenue of trees prior to adjacent tree removals. No significant notable features.	C.1
				E	2	4		R: 2.27		S: Good		10+ yrs
				S	2	4				B: Good		
				W	2	4						
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) ERC:	Diameter 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		
T35												
Swedish Whitebeam <i>Sorbus intermedia</i>	7	1	160	N	1	4	SM	A: 11.6 R: 1.92	Good	C: Good S: Good B: Good	Formed part of formal avenue of trees prior to adjacent tree removals. No significant notable features.	C.1 10+ yrs
T36												
Swedish Whitebeam <i>Sorbus intermedia</i>	7	1	280	N	3	4	SM	A: 35.5 R: 3.36	Good	C: Good S: Good B: Good	Formed part of formal avenue of trees prior to adjacent tree removals. Dominant tree.	B.1 20+ yrs
T37											Estimated Measurements	
Common Ash <i>Fraxinus excelsior</i>	5	1	150	N	0.5	0	SM	A: 10.2 R: 1.8	Good	C: Good S: Not visible B: Not visible	Tree shrouded under a dense matt of ivy.	C.1 10+ yrs
T38												
Common Lime <i>Tilia europaea</i>	12	1	600	N	4	2.5	M	A: 162.9 R: 7.2	Good	C: Fair S: Good B: Good	Tree growing in strip of grassland with car park to north and pathway to south. low level deadwood in apical crown. Good landscape value.	B.1 20+ yrs
T39												
Sycamore <i>Acer pseudoplatanus</i>	6.5	1	220	N	3.5	4	SM	A: 21.9 R: 2.64	Good	C: Good S: Good B: Good	Naturally suppressed tree due to adjacent more dominant individuals.	C.1 10+ yrs
T40												
Poplar <i>Populus sp.</i>	18	1	490	N	3	5	EM	A: 108.6 R: 5.87	Fair	C: Good S: Good B: Good	Large tree to south of parking area. Likely soon to be approaching safe useful life expectancy for species.	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		
T41												
Poplar <i>Populus sp.</i>	18	1	350	N E S W	3 0.5 3 2	5 5 5 5	EM A: 55.4 R: 4.19	Fair	C: Good S: Good B: Good	Large tree to south of parking area. Likely soon to be approaching safe useful life expectancy for species.		C.1 10+ yrs
T42												
Common Lime <i>Tilia europaea</i>	12	1	520	N E S W	5 5 5 5	4 3 3 3	EM A: 122.3 R: 6.23	Good	C: Fair S: Good B: Good	Tree growing in strip of grassland with car park to north and pathway to south. low level deadwood in apical crown. Good landscape value.		B.1 20+ yrs
T43												
Sycamore <i>Acer pseudoplatanus</i>	6.5	1	220	N E S W	3.5 3 3.5 2	4 3 4 4	SM A: 21.9 R: 2.64	Good	C: Good S: Good B: Good	Naturally suppressed tree due to adjacent more dominant individuals.		C.1 10+ yrs
T44												
Poplar <i>Populus sp.</i>	18	1	810	N E S W	3.5 3.5 3.5 3.5	5 5 5 5	M A: 296.9 R: 9.72	Good	C: Good S: Good B: Good	Typical form for mature species and good landscape value. BT lines running through western crown. Good overall crown vitality despite age.		B.1 20+ yrs
T45												
Sorbus <i>Sorbus sp.</i>	6	1	210	N E S W	3 3 3 3	3 3 3 3	EM A: 20 R: 2.52	Good	C: Good S: Good B: Good	Good form and landscape value.		B.1 20+ yrs
T46												
Common Holly <i>Ilex aquifolium</i>	6	1	160	N E S W	1 1 1 1	3 3 3 3	SM A: 11.6 R: 1.92	Good	C: Good S: Good B: Good	No significant notable features.		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) ERC:	Diameter 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		
T47												
Sycamore <i>Acer pseudoplatanus</i>	6	3	221 (Eq)	N E S W	1 2 1 1	3 3 3 3	SM A: 22.2 R: 2.65	Good	C: Good S: Good B: Good	No significant notable features.		C.1 10+ yrs
T48											Estimated Measurements	
Norway Maple <i>Acer platanoides</i>	10	1	350	N E S W	4 5 4.5 1	3 3 3 3	EM A: 55.4 R: 4.19	Good	C: Good S: Good B: Good	Good landscape value. Sharing crown space with immediately adjacent tree.		B.1 20+ yrs
T49											Estimated Measurements	
Norway Maple <i>Acer platanoides</i>	10	1	350	N E S W	4 1 4.5 5	3 3 3 3	EM A: 55.4 R: 4.19	Good	C: Good S: Good B: Good	Good landscape value. Sharing crown space with immediately adjacent tree.		B.1 20+ yrs
T50											Estimated Measurements	
Sorbus <i>Sorbus sp.</i>	8	1	280	N E S W	4 4 3 3	4 4 4 4	EM A: 35.5 R: 3.36	Good	C: Good S: Good B: Not visible	Good landscape value. Adjacent to parking bays. No view of base due to dense vegetation.		B.1 20+ yrs
T51												
Sycamore <i>Acer pseudoplatanus</i>	12	1	500	N E S W	3.5 5 5 4	6 6 6 6	M A: 113.1 R: 6	Good	C: Good S: Good B: Not visible	Naturally suppressed to north due to adjacent trees. Good landscape value. Ivy growing around base.		B.1 20+ yrs
T52												
Common Oak <i>Quercus robur</i>	12	1	930	N E S W	5 8.5 8.5 6	6 6 6 6	M A: 391.3 R: 11.16	Good	C: Good S: Good B: Good	Tree growing in area of grassland with surrounding car parking spaces. Significant landscape value to local area. Dominant tree in area.		A.1 40+ 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		
T53												
Sweet Chestnut <i>Castanea sativa</i>	7	1	330	N	4.5	3	SM	A: 49.3 R: 3.96	Good	C: Good S: Good B: Good	Growing in area of grassland with car parking bays to north. Good form and landscape value.	B.1 20+ yrs
T54												
Common Beech <i>Fagus sylvatica</i>	12	1	780	N	9	4	M	A: 275.3 R: 9.36	Good	C: Good S: Good B: Good	Excellent form and landscape value. Dominant tree in area. Small cavity at base, northeastern aspect. Excellent production of wound wood.	A.1 40+ yrs
T55											Estimated Measurements	
Norway Maple <i>Acer platanoides</i>	4	2	135 (Eq)	N	0.5	1	SM	A: 8.2 R: 1.61	Good	C: Good S: Good B: Good	No significant notable features.	C.1 10+ yrs
T56												
Turkey Oak <i>Quercus cerris</i>	7	1	140	N	0.5	2	SM	A: 8.9 R: 1.68	Good	C: Good S: Good B: Good	No significant notable features.	C.1 10+ yrs
T57												
Sorbus <i>Sorbus sp.</i>	4	1	140	N	1.5	2	SM	A: 8.9 R: 1.68	Good	C: Good S: Good B: Good	No significant notable features.	C.1 10+ yrs
T58												
Sorbus <i>Sorbus sp.</i>	4	1	140	N	1.5	2	SM	A: 8.9 R: 1.68	Good	C: Good S: Good B: Good	No significant notable features.	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		
T59												
Sorbus <i>Sorbus sp.</i>	3	1	120	N E S W	0.5 1 0 0	2 2 2 2	SM A: 6.5 R: 1.43	Fair	C: Fair S: Poor B: Poor	Longitudinal bark wound from base to apical stem. Poor future potential.		U <10 yrs
T60											Estimated Measurements	
Whitebeam <i>Sorbus aria</i>	6	1	250	N E S W	3 3 4 3	3 3 3 3	EM A: 28.3 R: 3	Good	C: Good S: Good B: Not visible	Good form and landscape value. No view of base due to dense vegetation.		B.1 20+ yrs
T61											Estimated Measurements	
Whitebeam <i>Sorbus aria</i>	6	1	270	N E S W	3 3 4 3	3 3 3 3	EM A: 33 R: 3.24	Good	C: Good S: Ivy B: Not visible	Good form and landscape value. No view of base due to dense vegetation. Dense ivy shrouding stem.		B.1 20+ yrs
T62												
Turkish Hazel <i>Corylus colurna</i>	7	1	190	N E S W	2 2 2 2	2 2 2 2	SM A: 16.3 R: 2.27	Good	C: Good S: Good B: Good	No significant notable features.		C.1 10+ yrs
T63												
Common Hornbeam <i>Carpinus betulus</i>	6	1	180	N E S W	2.5 2.5 2.5 2.5	2 2 2 2	SM A: 14.7 R: 2.16	Good	C: Good S: Good B: Good	No significant notable features.		C.1 10+ yrs
T64												
Atlas Cedar <i>Cedrus atlantica</i>	6	1	180	N E S W	2 2 2 2	2 2 2 2	SM A: 14.7 R: 2.16	Good	C: Good S: Good B: Good	No significant notable features.		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) ERC:	Diameter 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		
T65												
Common Ash <i>Fraxinus excelsior</i>	6	1	180	N	2	2	SM	A: 14.7 R: 2.16	Good	C: Good S: Good B: Good	No significant notable features.	C.1 10+ yrs
T66												
Common Ash <i>Fraxinus excelsior</i>	6	1	100	N	2.5	3	SM	A: 4.5 R: 1.19	Good	C: Good S: Good B: Good	No significant notable features.	C.1 10+ yrs
T67												
Cockspur Thorn <i>Crataegus crus-galli</i>	5	2	290 (Eq)	N	3	4	EM	A: 38.1 R: 3.48	Good	C: Good S: Ivy B: Not visible	No significant notable features.	C.1 10+ yrs
T68												
Whitebeam <i>Sorbus aria</i>	6	1	290	N	4	2	EM	A: 38.1 R: 3.48	Good	C: Good S: Good B: Good	Good form and landscape value.	B.1 20+ yrs
T69											Estimated Measurements	
Norway Maple <i>Acer platanoides</i>	7	1	200	N	2	4	SM	A: 18.1 R: 2.4	Fair	C: Fair S: Ivy B: Not visible	Low level deadwood in apical crown. Dense ivy from base to apex.	C.1 10+ yrs
T70												
Norway Maple <i>Acer platanoides</i>	7	1	200	N	3	3	SM	A: 18.1 R: 2.4	Good	C: Good S: Good B: Good	No significant notable features.	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		
T71												
Common Lime <i>Tilia europaea</i>	7	1	270	N	3.5	2	SM	A: 33 R: 3.24	Good	C: Good S: Good B: Good	Good form and landscape value.	B.1 20+ yrs
T72												
Norway Maple <i>Acer platanoides</i>	7	1	270	N	3.5	2	SM	A: 33 R: 3.24	Good	C: Good S: Good B: Not visible	Good form and landscape value. Growing within dense cherry Laurel shrubbery.	B.1 20+ yrs
T73												
Norway Maple <i>Acer platanoides</i>	7	1	270	N	3	2	SM	A: 33 R: 3.24	Good	C: Good S: Good B: Not visible	Good form and landscape value. Growing within dense cherry Laurel shrubbery.	B.1 20+ yrs
T74												
Norway Maple <i>Acer platanoides</i>	7	1	230	N	3	2	SM	A: 23.9 R: 2.75	Good	C: Good S: Good B: Not visible	Good form and landscape value.	B.1 20+ yrs
T75												
Norway Maple <i>Acer platanoides</i>	7	1	290	N	3	2	SM	A: 38.1 R: 3.48	Good	C: Good S: Good B: Not visible	Good form and landscape value.	B.1 20+ yrs
T76												
Norway Maple <i>Acer platanoides</i>	7	1	310	N	3	2	SM	A: 43.5 R: 3.72	Good	C: Good S: Good B: Not visible	Good form and landscape value.	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) ERC:		Diameter 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		
T77												
Norway Maple <i>Acer platanoides</i>	8	1	330	N	4	2	SM	A: 49.3 R: 3.96	Good	C: Good S: Good B: Not visible	Good form and landscape value.	B.1 20+ yrs
				E	4	2						
				S	4	3						
				W	4	2						
T78											Estimated Measurements	
Common Beech <i>Fagus sylvatica</i>	10	1	450	N	6	4	EM	A: 91.6 R: 5.39	Good	C: Good S: Ivy B: Not visible	Ivy obscuring base and stem, growing into lower crown. Good overall form and landscape value.	B.1 20+ yrs
				E	6	4						
				S	6	4						
				W	6	4						
T79											Estimated Measurements	
Common Beech <i>Fagus sylvatica</i>	10	1	430	N	5	4	EM	A: 83.7 R: 5.16	Good	C: Good S: Ivy B: Not visible	Good overall form and landscape value.	B.1 20+ yrs
				E	5	4						
				S	5	4						
				W	5	4						
T80											Estimated Measurements	
Common Holly <i>Ilex aquifolium</i>	7	3	367 (Eq)	N	1	3	EM	A: 61 R: 4.4	Good	C: Good S: Good B: Not visible	Growing within hedge. No significant notable features.	C.1 10+ yrs
				E	1	3						
				S	1	3						
				W	1	3						
T81												
Common Oak <i>Quercus robur</i>	16	1	720	N	7	6	M	A: 234.5 R: 8.63	Good	C: Good S: Good B: Good	Good form and significant landscape value to local area. Previous historic pruning works to south.	A.1 40+ yrs
				E	7	6						
				S	5	6						
				W	7	6						
T82												
Cotoneaster <i>Cotoneaster sp.</i>	3	1	100	N	2	2	SM	A: 4.5 R: 1.19	Fair	C: Good S: Fair B: Fair	No significant notable features.	C.1 10+ yrs
				E	2	2						
				S	0.5	2						
				W	0.5	2						
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		
T83												
Whitebeam <i>Sorbus aria</i>	5	1	170	N E S W	2 2 2 2	3 3 3 3	SM A: 13.1 R: 2.04	Good	C: Good S: Good B: Good	No significant notable features.		C.1 10+ yrs
T84												
Whitebeam <i>Sorbus aria</i>	5	1	130	N E S W	1 1 1 1	3 3 3 3	SM A: 7.6 R: 1.55	Good	C: Good S: Good B: Good	No significant notable features.		C.1 10+ yrs
T85												
White Poplar <i>Populus alba</i>	18	1	760	N E S W	6.5 6.5 7 7	12 12 5 10	M A: 261.3 R: 9.11	Good	C: Good S: Good B: Good	Dominant tree in area. Good landscape value for local area. Previous loss of companion shelter to immediate southeast. Large historic first order limb failure to north leaving expose area of Heartwood. Good production of wound wood.		B.1 20+ yrs
T86												
Norway Maple <i>Acer platanoides</i>	9	1	290	N E S W	4 4 3 4	5 5 5 5	EM A: 38.1 R: 3.48	Good	C: Good S: Good B: Good	Good form and landscape value.		B.1 20+ yrs
T87												
Norway Maple <i>Acer platanoides</i>	12	1	380	N E S W	4 4 4 4	7 7 7 7	EM A: 65.3 R: 4.55	Good	C: Good S: Good B: Good	Tree location plotted indicatively to GPS and site features. Good form and landscape value.		B.1 20+ yrs
T88												
Norway Maple <i>Acer platanoides</i>	8	1	310	N E S W	4 4 4 3.5	4 4 4 4	EM A: 43.5 R: 3.72	Good	C: Good S: Good B: Good	Growing in small area of fenced off grassland. Good landscape value.		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) ERC:		Diameter 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		
T89												
Norway Maple <i>Acer platanoides</i>	8	1	340	N E S W	3 4 4 4	4 4 4 4	EM A: 52.3 R: 4.08	Good	C: Good S: Good B: Good	Growing in small area of fenced off grassland. Good landscape value.		B.1 20+ yrs
T90												
Common Hornbeam <i>Carpinus betulus</i>	10	1	750	N E S W	6 6 5 5	4 4 4 4	M A: 254.5 R: 9	Good	C: Good S: Good B: Good	Growing in small area of fenced off grassland. Good landscape value. Large tree for species.		A.1 40+ yrs
T91												
Common Pear <i>Pyrus communis</i>	5	1	140	N E S W	2 2 2 2	3 3 3 3	SM A: 8.9 R: 1.68	Good	C: Good S: Good B: Good	No significant notable features.		C.1 10+ yrs
T92												
Common Lime <i>Tilia europaea</i>	6	1	300	N E S W	3.5 3.5 3.5 3.5	2 2 2 2	SM A: 40.7 R: 3.59	Good	C: Good S: Good B: Good	Growing in planting pit in paved area. Good landscape value.		B.1 20+ yrs
T93												
Common Lime <i>Tilia europaea</i>	6	1	300	N E S W	3.5 3.5 3.5 3.5	2 2 2 2	SM A: 40.7 R: 3.59	Good	C: Good S: Good B: Good	Growing in planting pit in paved area. Good landscape value.		B.1 20+ yrs
T94												
Common Lime <i>Tilia europaea</i>	6	1	310	N E S W	1 3.5 3.5 1	2 2 2 2	SM A: 43.5 R: 3.72	Good	C: Good S: Good B: Good	Growing in planting pit in paved area. Good landscape value.		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		
T95											Estimated Measurements	
Sorbus	5	1	200	N	2	2	SM	A: 18.1	Good	C: Good		C.1
<i>Sorbus sp.</i>				E	2	2		R: 2.4		S: Good	No significant notable features.	10+ yrs
				S	2	2				B: Good		
				W	2	2						
T96												
Common Alder	7	1	150	N	2	2	SM	A: 10.2	Good	C: Good		C.1
<i>Alnus glutinosa</i>				E	2	2		R: 1.8		S: Good	No significant notable features.	10+ yrs
				S	2	2				B: Good		
				W	2	2						
T97											Estimated Measurements	
Whitebeam	5	1	300	N	4	2	M	A: 40.7	Good	C: Good		B.1
<i>Sorbus aria</i>				E	0.5	2		R: 3.59		S: Good	Naturally suppressed crown due to adjacent tree. No view of base due to dense vegetation.	20+ yrs
				S	2	2				B: Not visible		
				W	4	2						
T98											Estimated Measurements	
Common Lime	10	1	500	N	4	4	EM	A: 113.1	Good	C: Good		B.1
<i>Tilia europaea</i>				E	4	3		R: 6		S: Good	Good form and landscape value.	20+ yrs
				S	4	3				B: Good		
				W	4	3						
T99											Estimated Measurements	
Common Lime	10	1	500	N	4	4	EM	A: 113.1	Good	C: Good		B.1
<i>Tilia europaea</i>				E	4	3		R: 6		S: Good	Good form and landscape value.	20+ yrs
				S	4	3				B: Good		
				W	4	3						
T100												
Norway Maple	6	1	220	N	3	3	SM	A: 21.9	Good	C: Good		B.1
<i>Acer platanoides</i>				E	3	3		R: 2.64		S: Good		20+ yrs
				S	3	3				B: Good		
				W	3	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: Ø (Eq) ERC:	Diameter 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		
T101												
Silver Birch	10	1	220	N	2	3	SM	A: 21.9	Good	C: Good	-----	B.1
Betula pendula				E	2	3		R: 2.64		S: Good		20+ yrs
				S	2	3				B: Good		
				W	2	3						
T102												
Silver Birch	14	2	420	(Eq) N	5	4	EM	A: 79.9	Good	C: Good	-----	B.1
Betula pendula				E	4	4		R: 5.04		S: Good		20+ yrs
				S	4	4				B: Good		
				W	4	4						
T103												
Unknown	14	1	350	N	3	8		A: 55.4	Good	C: Good	-----	B.1
- -				E	4	8		R: 4.19		S: Good		20+ yrs
				S	4	8				B: Good		
				W	4	8						
T104												
Common Lime	15	1	680	N	6	6	M	A: 209.2	Good	C: Good	-----	B.1
Tilia europaea				E	4	6		R: 8.16		S: Good		20+ yrs
				S	6	6				B: Good		
				W	7	6						
T105												
Callery Pear	5	1	150	N	1	2	SM	A: 10.2	Good	C: Good	-----	C.1
Pyrus calleryana 'Chanticleer'				E	1	2		R: 1.8		S: Good		10+ yrs
				S	1	2				B: Good		
				W	1	2						
T106											Estimated Measurements	
Cider Gum	7	4	164	(Eq) N	2	0	SM	A: 12.2	Good	C: Good	-----	C.1
Eucalyptus gunnii				E	2	0		R: 1.97		S: Good		10+ yrs
				S	2	0				B: Good		
				W	2	0						
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) ERC:	Diameter 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		
T107											Estimated Measurements	
Sorbus	4	2	141	(Eq)	N	1	2	SM	A: 9	Good	C: Good	C.1
<i>Sorbus sp.</i>					E	1	2		R: 1.69		S: Good	10+ yrs
					S	1	2				B: Good	
					W	1	2					
T108												Estimated Measurements
Sorbus	4	1	150		N	1	2	SM	A: 10.2	Good	C: Good	C.1
<i>Sorbus sp.</i>					E	1	2		R: 1.8		S: Good	10+ yrs
					S	1	2				B: Good	
					W	1	2					
T109												
Swedish Whitebeam	7	1	230		N	2	4	SM	A: 23.9	Good	C: Good	C.1
<i>Sorbus intermedia</i>					E	3	4		R: 2.75		S: Good	10+ yrs
					S	2	4				B: Good	
					W	2	4				Formed part of formal avenue of trees prior to adjacent tree removals. No significant notable features.	
T110												
Common Alder	7	1	150		N	2	2	SM	A: 10.2	Good	C: Good	C.1
<i>Alnus glutinosa</i>					E	2	2		R: 1.8		S: Good	10+ yrs
					S	2	2				B: Good	
					W	2	2				No significant notable features.	
T111												
Common Hornbeam	9	1	320		N	3	4	EM	A: 46.3	Good	C: Good	B.1
<i>Carpinus betulus</i>					E	3	4		R: 3.83		S: Good	20+ yrs
					S	3	4				B: Good	
					W	3	4				Tree growing within walled off planting pit. Ideal form for species and good landscape value.	
T112												
Common Hornbeam	10	1	300		N	3	4	EM	A: 40.7	Good	C: Good	B.1
<i>Carpinus betulus</i>					E	3	4		R: 3.59		S: Good	20+ yrs
					S	3	4				B: Good	
					W	3	4				Tree growing within walled off planting pit. Ideal form for species and good landscape value.	
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) ERC:	Diameter Equivalent stem diameter using BS5837:2012 definition Estimated Remaining Contribution

Appendix 3: Tree Constraints Plan



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

Category 'U' - Trees in such condition that they cannot realistically be retained as living trees in context of the current land use for longer than 10 years.

Category 'A' - Trees of high quality with an estimated remaining life expectancy of at least 40 years.

Category 'C' - Trees of low quality with an estimated remaining life expectancy of at least 10 years, or young trees with a stem diameter below 150mm.

Root Protection Area

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

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

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

Please refer to Arbtech Consulting Ltd. Tree Survey Report and Tree Schedule for full details on all surveyed trees, hedges, woodlands and groups of trees/shrubs.

All trees were surveyed and categorised in accordance with the guidance as set out in the British Standard BS5837:2012 Tree in relation to design, demolition and construction - Recommendations.

We make the following recommendation to ensure that no conditions relating to arboriculture are attached to any planning consent secured:

Obtain an arboricultural report to include:

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

Rev:	Date:	Notes:
A	20/3/25	T111 & T112 included



Client: Genr8 Kajima Regeneration (Huyton)
Limited

Based on: Topo_2D & S24376-T_A

Drawing No:	Rev:
Arbtech TCP 01 (Overview)	A

Date:	Scale:	Drawn:
March 2025	1:500 @ A0	SR

Key:

Tree Nos.:	T01	Tree Canopies:		Trunks:	
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RPAa:		Category 'U' trees:		Category 'A' trees:	
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Category 'B' trees:		Category 'B' groups:		Category 'C' trees:	
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Category 'C' groups:

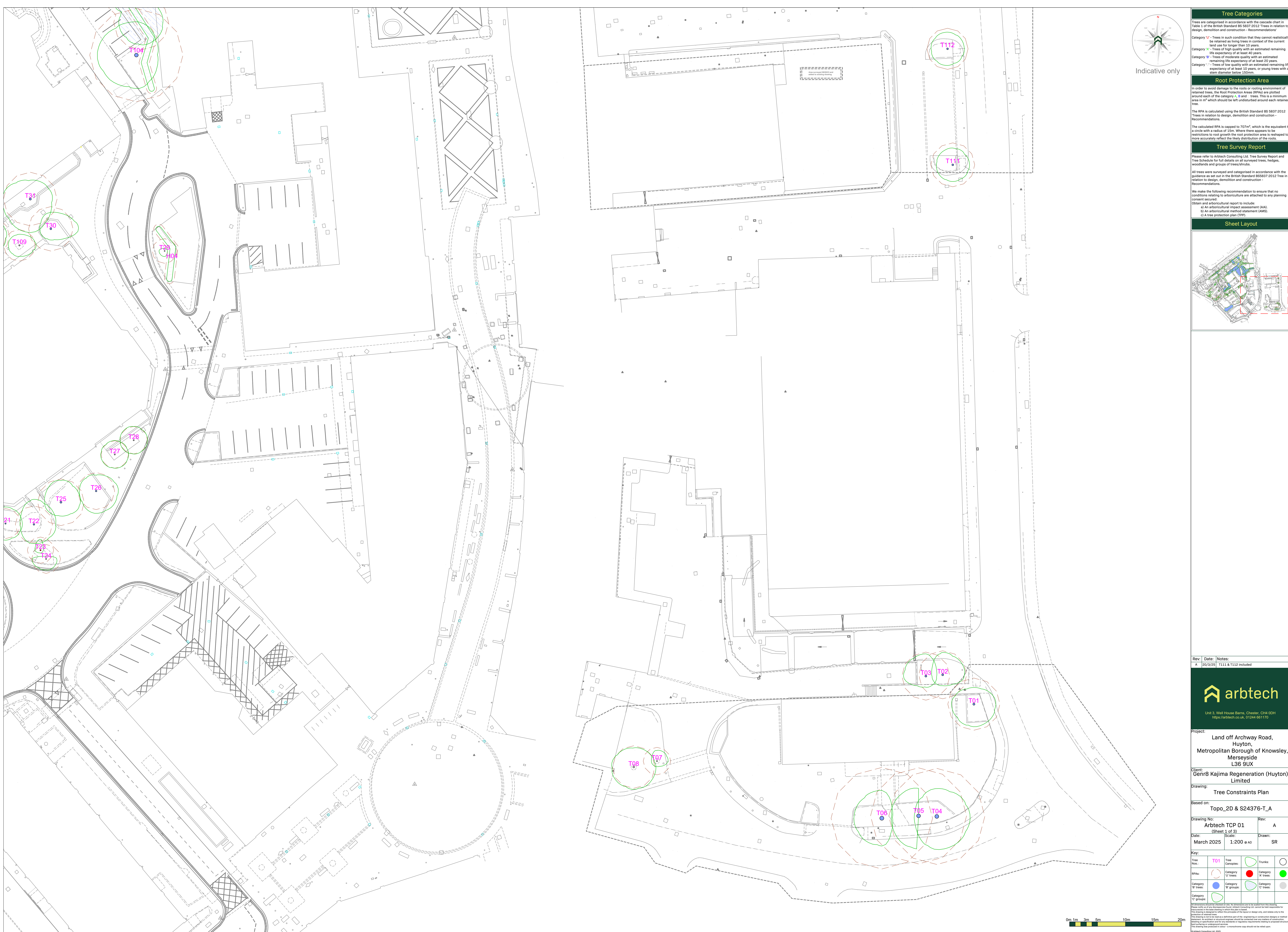
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All dimensions should be checked on site. No dimensions are to be scaled from this drawing.

Please notify us of any discrepancies found. ARDOR Consulting LLC cannot be held responsible for inaccuracies in the base drawing in which this plan is based.
This drawing is designed to reflect the principles of the layout or design only, and relates only to the protection of retained trees.
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Tree Categories

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

Category "U" - Trees in such condition that they cannot realistically be retained as living trees in context of the current landscape for longer than 10 years.

Category 'A' - Trees of high quality with an estimated remaining life expectancy of at least 40 years.

Category 'C' - Trees of low quality with an estimated remaining life expectancy of at least 10 years, or young trees with a stem diameter below 150mm.

Root Protection Area

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

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

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

Tree Survey Report

Please refer to Arbtech Consulting Ltd. Tree Survey Report and Tree Schedule for full details on all surveyed trees, hedges, woodlands and groups of trees/shrubs.

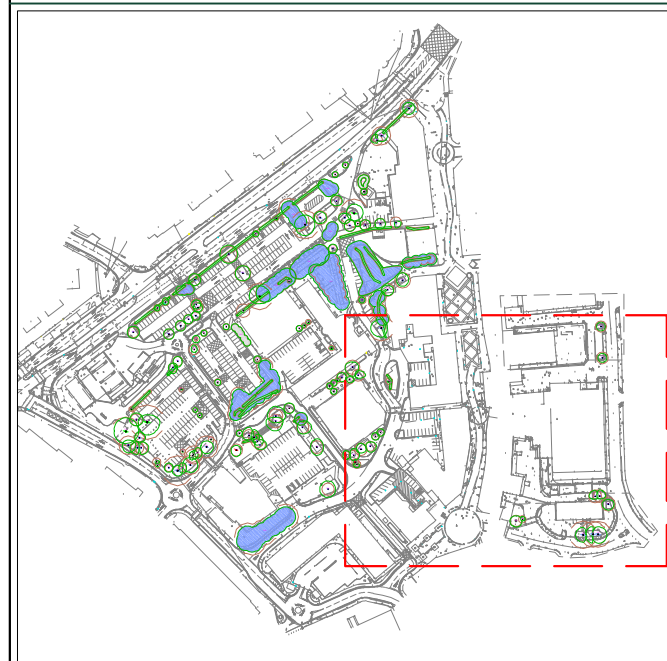
All trees were surveyed and categorised in accordance with the guidance as set out in the British Standard BS5837:2012 Tree in relation to design, demolition and construction - Recommendations.

We make the following recommendation to ensure that no conditions relating to arboriculture are attached to any planning

Obtain an arboricultural report to include:

- An arboricultural impact assessment (AIA).
- An arboricultural method statement (AMS).
- A tree protection plan (TPP).

Sheet Layout



Rev:	Date:	Notes:
A	20/2/25	T111 & T112 included



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

Project: Land off Archway Road,
Huyton,
Metropolitan Borough of Knowsley,
Merseyside
L36 9UX

Limited

Based on:

Drawing No:	Rev:
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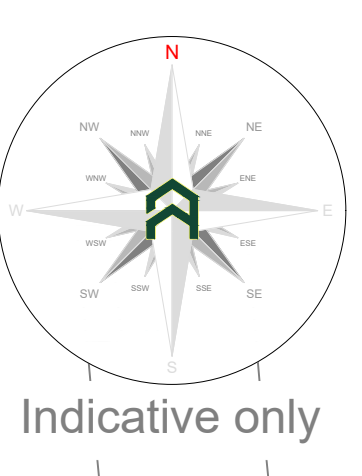
Date:	Scale:	Drawn:
March 2025	1:200 @ A0	SR

Key:

Tree Nos.:	T01	Tree Canopies:		Trunks:	
RPAa:		Category 'U' trees:		Category 'A' trees:	
Category 'B' trees:		Category 'B' groups:		Category 'C' trees:	
Category 'C' groups:					

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Tree Categories

Trees are categorised in accordance with the cascade chart in Table 1 of the British Standard BS5837:2012 'Trees in relation to design, demolition and construction - Recommendations'

Category '✓' - Trees in such condition that they cannot realistically be retained as living trees in context of the current land use for longer than 10 years.

Category 'V' - Trees of high quality with an estimated remaining life expectancy of at least 40 years.

Category 'W' - Trees of moderate quality with an estimated remaining life expectancy of at least 20 years.

Category '-' - Trees of low quality with an estimated remaining life expectancy of at least 10 years, or young trees with a stem diameter below 150mm.

Root Protection Area

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

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

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

Tree Survey Report

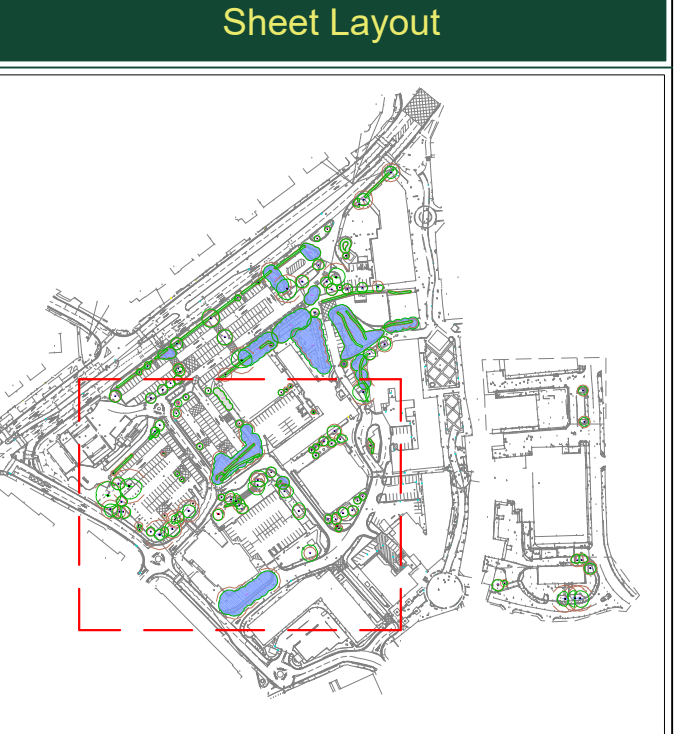
Please refer to Arbttech Consulting Ltd. Tree Survey Report and Tree Schedule for full details on all surveyed trees, hedges, woodlands and groups of trees/shrubs.

All trees were surveyed and categorised in accordance with the guidance as set out in the British Standard BS5837:2012 'Trees in relation to design, demolition and construction - Recommendations'

We make the following recommendation to ensure that no conditions relating to arboriculture are attached to any planning consent secured:

Obtain and arboricultural report to include:

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



Rev:

Date:

Notes:

A

20/3/25

T111 & T112 included



Unit 3, Well House Barns, Cleasby, CH4 0DH
<http://arbttech.co.uk> 01244 661170

Project:
Land off Archway Road,
Huyton,
Metropolitan Borough of Knowsley,
Merseyside
L36 9UX

Client:
GenR8 Kajima Regeneration (Huyton)
Limited

Drawing:
Tree Constraints Plan

Based on:
Topo_2D & S24376-T_A

Drawing No:
Arbttech TCP 01
(Sheet 2 of 3)

Rev:
A

Date:
March 2025

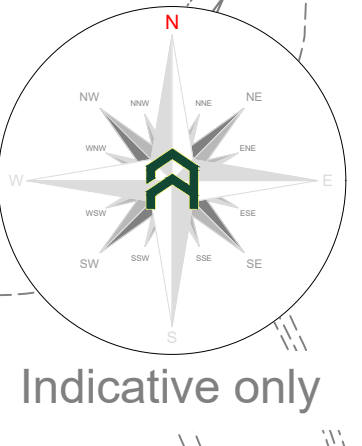
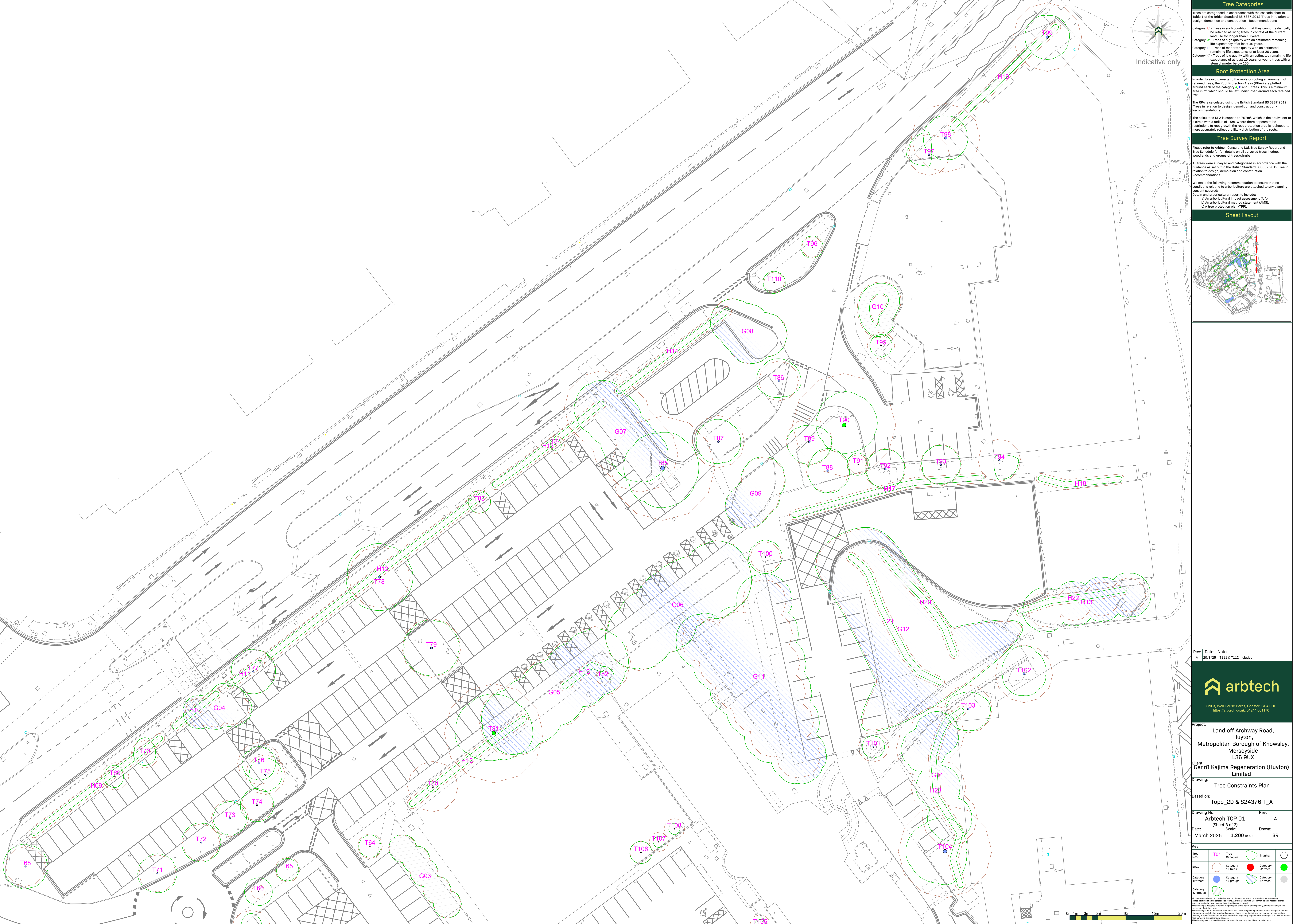
Scale:
1:200 @ A0

Drawn:
SR

Key:

Tree No.:	T01	Tree Canopies:		Trunks:	
RPAs:		Category '✓' trees:		Category 'A' trees:	
Category 'W' trees:		Category 'V' groups:		Category 'C' trees:	
Category 'C' groups:					

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Indicative only

Tree Categories

Trees are categorised in accordance with the cascade chart in Table 3 of the British Standard BS5837:2012 'Trees in relation to design, demolition and construction - Recommendations'

Category 'A' - Trees in such condition that they cannot realistically be retained as living trees in context of the current land use for longer than 10 years.

Category 'B' - Trees of high quality with an estimated remaining life expectancy of at least 40 years.

Category 'C' - Trees of moderate quality with an estimated remaining life expectancy of at least 20 years.

Category 'U' - Trees of low quality with an estimated remaining life expectancy of at least 10 years, or young trees with a stem diameter below 150mm.

Root Protection Area

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

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Tree Survey Report

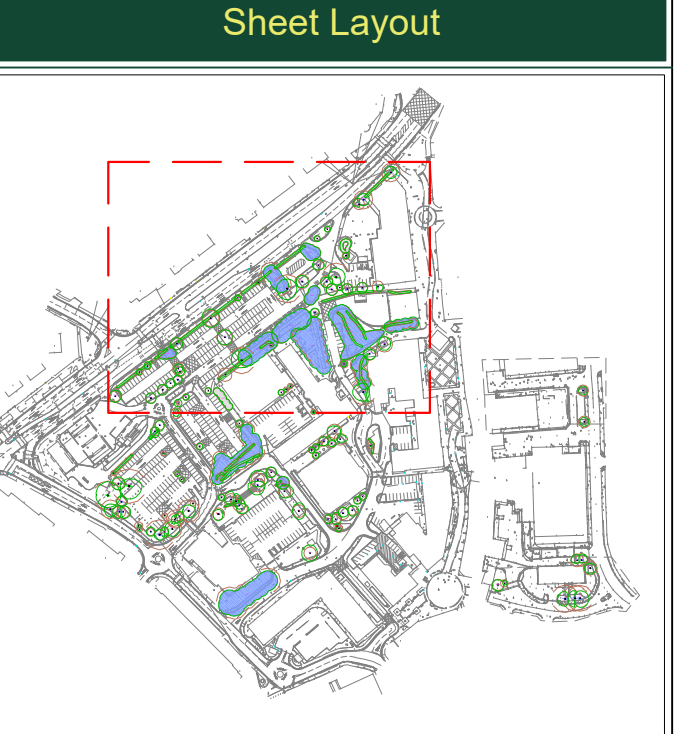
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Rev: A
Date: 20/3/25
Notes: T111 & T112 included

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Unit 3, Well House Barns, Cleaver, CH4 0DH
http://arbttech.co.uk, 01244 681170

Project:
Land off Archway Road,
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Metropolitan Borough of Knowsley,
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L36 9UX

Client:
GenR8 Kajima Regeneration (Huyton)
Limited

Drawing:
Tree Constraints Plan

Based on:
Topo_2D & S24376_T_A

Drawing No:
Arbttech TCP 01
(Sheet 3 of 3)

Date:
March 2025

Scale:
1:200 @ A0

Rev:
A

Drawn:
SR

Key:

Tree No.:	T01	Tree Canopies:		Trunks:	
RPAs:		Category 'A' trees:		Category 'A' trees:	
Category 'B' trees:		Category 'C' trees:		Category 'C' trees:	
Category 'C' groups:					

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8. Document Production Record

Document number	Editor	Signature	Position	Issue number	Date
Arbtech TSR 01	Shaun Rowe		Consultant Arboriculturist	02	20/03/25

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