

Arboricultural Survey to BS5837:2012

Amir Khan

**All Saints Church
Foxholes Road
Rochdale
OL12 0EF**

05 February 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 23rd January 2025 from Amir Khan to attend All Saints Church, Foxholes Road, Rochdale, OL12 0EF; grid reference, SD 90376 14543 (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 and Tree Constraints Plan.

I am Shaun Rowe, an arboricultural consultant at Arbtech Consulting Ltd. I undertook the tree survey on 28th January 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.
OS Tile	N/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 28th January 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 18No. individual trees and 6No. groups of trees 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
OS Tile	Mastermap	N/A	mastermap- topo_5239315

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

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

Legal Status: No statutory protection check has been performed. BS5837 does not draw any distinction between trees subject to statutory protection, such as a Tree Preservation Order (“TPO”), and those trees without. This is principally because a detailed planning consent overrides any TPO protection. Consequently, we do not seek to offer any comparison between or infer any difference in the quality or importance of TPO trees and other trees.

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

Site description

The site is located at the southern end of Blanche Street and includes The Parish Church of All Saints' Hamer and the land surrounding. A neighbouring residential property is located adjacent to the northern site boundary. The east, south and western boundaries are bordered by a woodland.



Figure 1: OS Map (Bing Maps)



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

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,



Shaun Rowe BSc (Hons) MArborA
Consultant Arboriculturist

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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: Amir Khan
 Project: All Saints Church, Foxholes Road, Rochdale, OL12 0EF
 Survey Date: 28/01/2025
 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		14	1	500	N	5	4	M	A: 113.1	Good	C: Good		B.2	
See comments for details					E	5	4		R: 6		S: Ivy	Group location plotted indicatively to GPS and site features. Group located along northern site boundary wall. Dense ivy and bramble undergrowth. Group includes four mature trees and one semi mature tree. Stem diameter is a maximum estimate. Species include silver birch and ash. Mahonia japonica and Portuguese Laurel in undergrowth amongst brambles.	20+ yrs	
					S	5	4				B: Not visible			
					W	5	4							
G02												Estimated Measurements		
Various		14	1	500	N	6	5	M	A: 113.1	Good	C: Good		B.2	
See comments for details					E	6	5		R: 6		S: Ivy	Group location plotted indicatively to GPS and site features. Group located c. 9-7 m east of eastern elevation of church. Group includes two mature ash and one mature sycamore growing on a slope declining to east. Stem diameter is a maximum estimate. Semi mature elder within understory.	20+ yrs	
					S	6	5				B: Not visible			
					W	6	5							
G03												Estimated Measurements		
Various		16	1	1000	N	8	3	M	A: 452.4	Good	C: Good		B.2	
See comments for details					E	8	3		R: 12		S: Good	Group location plotted indicatively to GPS and site features. Group of three trees within southeastern corner of site. One mature ash and two mature sycamore. Stem diameter is a maximum estimated taken from ash. At base of ash, western aspect, small area of bark loss present with potential boot lace rhizomorphs from unconfirmed honey fungus.	20+ yrs	
					S	8	3				B: Fair			
					W	8	3							
Age Classifications:		N	Newly planted	EM	Early Mature		Condition:		C	Crown	Stems: Ø		Diameter	
		Y	Young	M	Mature				S	Stem	(Eq) Equivalent stem diameter using BS5837:2012 definition			
		SM	Semi-mature	OM	Over Mature				B	Basal area	ERC: Estimated Remaining Contribution			

Tree and Tag No Species		Hght (m)	Stems		Crown		Age	RP A (m²) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations		Cat ERC
			No	Ø (mm)	Spread (m)	Clear (m)					Survey Comment		
G04											Estimated Measurements		
Various <i>See comments for details</i>		10	1	350	N	4	2	M	A: 55.4 R: 4.19	Good	C: Good S: Good B: Good	Group location plotted indicatively to GPS and site features. Group includes four tightly packed trees, one hawthorn and three ash. Stem diameter is a maximum measurement.	C.2 10+ yrs
G05											Estimated Measurements		
Various <i>See comments for details</i>		14	1	500	N	5	5	M	A: 113.1 R: 6	Good	C: Good S: Ivy B: Not visible	Group location plotted indicatively to GPS and site features. Off site group adjacent to boundary wall. Stem diameter is a maximum estimate. Dense ivy throughout. Species include ash, hawthorn, sycamore, silver birch and Aspen. Good landscape value.	B.2 20+ yrs
G06											Estimated Measurements		
Various <i>See comments for details</i>		12	1	200	N	3	6	SM	A: 18.1 R: 2.4	Good	C: Good S: Good B: Good	Group location plotted indicatively to GPS and site features. Group located along verge adjacent to site access road. Stem diameter is a maximum measurement. Species include hawthorn, prunus and silver birch. One cherry in decline at northern end of group.	C.2 10+ yrs
T01											Estimated Measurements		
Lawson Cypress <i>Chamaecyparis lawsoniana</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 location plotted indicatively to GPS and site features. No significant notable features.	C.1 10+ yrs
T02											Estimated Measurements		
Common Ash <i>Fraxinus excelsior</i>		10	1	350	N	0.5	8	EM	A: 55.4 R: 4.19	Fair	C: Fair S: Ivy B: Not visible	Tree location plotted indicatively to GPS and site features. Off site tree along eastern site boundary. Dense ivy from base to apex. Naturally suppressed crown due to adjacent group.	C.1 10+ yrs
Age Classifications:		N	Newly planted	EM	Early Mature		Condition:		C	Crown	Stems: Ø		Diameter
		Y	Young	M	Mature				S	Stem			(Eq) Equivalent stem diameter using BS5837:2012 definition
		SM	Semi-mature	OM	Over Mature				B	Basal area	ERC:		Estimated Remaining Contribution

Tree and Tag No Species		Hght (m)	Stems		Crown		Age	RP A (m²) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations		Cat ERC
			No	Ø (mm)	Spread (m)	Clear (m)					Survey Comment		
T03											Estimated Measurements		
Common Ash <i>Fraxinus excelsior</i>		14	1	300	N	1	8	EM	A: 40.7 R: 3.59	Fair	C: Fair S: Ivy B: Not visible	Tree location plotted indicatively to GPS and site features. Off site tree along eastern site boundary. Dense ivy from base to apex. Naturally suppressed crown due to adjacent group.	C.1 10+ yrs
T04											Estimated Measurements		
Unknown - -		7	1	400	N	2	3	M	A: 72.4 R: 4.8	Dead	C: Poor S: Poor B: Not visible	Tree location plotted indicatively to GPS and site features. Standing dead tree within dense brambles.	U <10 yrs
T05											Estimated Measurements		
Aspen <i>Populus tremula</i>		18	1	1000	N	10	6	M	A: 452.4 R: 12	Good	C: Good S: Ivy B: Not visible	Tree location plotted indicatively to GPS and site features. Tree growing along sites southern boundary. Dense ivy from base into lower crown. Significant landscape value.	A.1 40+ yrs
T06											Estimated Measurements		
Juniper <i>Juniperus sp.</i>		5	4	169 (Eq)	N	0.5	1	SM	A: 12.9 R: 2.02	Good	C: Good S: Good B: Good	Tree location plotted indicatively to GPS and site features. No significant notable features.	C.1 10+ yrs
T07											Estimated Measurements		
Juniper <i>Juniperus sp.</i>		5	4	202 (Eq)	N	1	1	SM	A: 18.5 R: 2.42	Good	C: Good S: Good B: Good	Tree location plotted indicatively to GPS and site features. No significant notable features.	C.1 10+ yrs
T08											Estimated Measurements		
Common Holly <i>Ilex aquifolium</i>		4	1	100	N	1	0	SM	A: 4.5 R: 1.19	Good	C: Good S: Not visible B: Not visible	Tree location plotted indicatively to GPS and site features. No significant notable features.	C.1 10+ yrs
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		
T09											Estimated Measurements	
Aspen <i>Populus tremula</i>	18	1	1200	N	10.5	6	M	A: 651.5 R: 14.4	Good	C: Good S: Ivy B: Not visible	Tree location plotted indicatively to GPS and site features. Tree growing along sites southern boundary. Dense ivy from base into lower crown. Significant landscape value.	A.1 40+ yrs
T10											Estimated Measurements	
Aspen <i>Populus tremula</i>	12	1	850	N	8.5	5	M	A: 326.9 R: 10.2	Good	C: Good S: Ivy B: Good	Tree location plotted indicatively to GPS and site features. Tree growing along sites southern boundary. Dense ivy from base into lower crown. Significant landscape value.	A.1 40+ yrs
T11											Estimated Measurements	
Cherry <i>Prunus sp.</i>	5	2	180 (Eq)	N	1	0.5	SM	A: 14.7 R: 2.16	Good	C: Good S: Good B: Good	Tree location plotted indicatively to GPS and site features. No significant notable features.	C.1 10+ yrs
T12											Estimated Measurements	
Bay <i>Laurus nobilis</i>	4	1	150	N	1	0.5	EM	A: 10.2 R: 1.8	Good	C: Good S: Good B: Good	Tree location plotted indicatively to GPS and site features. No significant notable features.	C.1 10+ yrs
T13											Estimated Measurements	
Common Ash <i>Fraxinus excelsior</i>	4.5	2	90 (Eq)	N	1	0.5	SM	A: 3.7 R: 1.08	Good	C: Good S: Good B: Good	Tree location plotted indicatively to GPS and site features. No significant notable features.	C.1 10+ yrs
T14											Estimated Measurements	
Common or Black Elder <i>Sambucas nigra</i>	3	2	90 (Eq)	N	0	0	SM	A: 3.7 R: 1.08	Good	C: Good S: Good B: Good	Tree location plotted indicatively to GPS and site features. 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		
T15											Estimated Measurements	
Common Hawthorn <i>Crataegus monogyna</i>	5	1	90	N	0.5	2	SM	A: 3.7 R: 1.08	Good	C: Good S: Good B: Good	Tree location plotted indicatively to GPS and site features. No significant notable features.	C.1 10+ yrs
				E	0.5	2						
				S	1	2						
				W	0.5	2						
T16											Estimated Measurements	
Common Ash <i>Fraxinus excelsior</i>	10	1	250	N	3	6	EM	A: 28.3 R: 3	Fair	C: Fair S: Ivy B: Not visible	Tree location plotted indicatively to GPS and site features. Growing at boundary of residential property. Crown showing signs of decline, likely ash dieback.	C.1 10+ yrs
				E	3	6						
				S	3	6						
				W	3	6						
T17											Estimated Measurements	
Sycamore <i>Acer pseudoplatanus</i>	12	1	400	N	4.5	6	M	A: 72.4 R: 4.8	Good	C: Good S: Good B: Not visible	Tree location plotted indicatively to GPS and site features. Growing at boundary of residential property. Good landscape value.	B.1 20+ yrs
				E	4.5	6						
				S	4.5	6						
				W	4.5	6						
T18											Estimated Measurements	
Sycamore <i>Acer pseudoplatanus</i>	10	1	400	N	5	6	M	A: 72.4 R: 4.8	Good	C: Good S: Good B: Not visible	Tree location plotted indicatively to GPS and site features. Growing at boundary of residential property. Good landscape value.	B.1 20+ yrs
				E	4	6						
				S	4	6						
				W	6	6						
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



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

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 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:

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

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

Project:

All Saints Church,
Foxholes Road,
Rochdale,
OL12 0EF

Client:

Amir Khan

Drawing:

Tree Constraints Plan

Based on:

OS Tile

Drawing No:	Arbttech TCP 01	Rev:
Date:	Jan 2025	Scale:
		1:200 @ A0
Drawn:	SR	

Key:

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

All dimensions should be checked on site. No dimensions are to be scaled from this drawing. Please notify us of any discrepancies found. Arbttech Consulting Ltd. cannot be held responsible for inaccuracies in the basic drawing in which this plan is based. This drawing is designed to reflect the principles of the report or design only, and relates only to the protection of retained trees. This drawing is not to be read as a definitive part of the engineering or construction designs or method statement. An architect or structural engineer should be contacted over any matters of construction, detailing or specification and for any standards or regulatory requirements relating to proposed structures, hard surfacing or underground services. This drawing was produced in colour - a monochrome copy should not be relied upon.

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8. Document Production Record

Document number	Editor	Signature	Position	Issue number	Date
Arbtech TSR 01	Shaun Rowe		Consultant Arboriculturist	01	05/02/25

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