



**LAKELAND**  
**TREE CONSULTANCY**  
ARBORICULTURAL PLANNING SPECIALIST

# BS5837 Tree Survey

Avenue Farmhouse  
Stonyhurst  
Hurst Green  
BB7 9QB

September 2024

## Project details

<b>Job no.</b>	LTC298
<b>Site</b>	Avenue Farmhouse, Stonyhurst, Hurst Green, BB7 9QB
<b>Client</b>	David Chippendale
<b>Agent</b>	AW+A Architects
<b>Arboriculturist</b>	Jennie Keighley PhD MSc MArborA
<b>Local authority</b>	Ribble Valley Borough Council
<b>Issue date</b>	23 September 2024

Lakeland Tree Consultancy  
Halton Mill, Mill Lane  
Halton, Lancashire  
LA2 6ND

T: 01524 874124

E: [info@lakelandtreeconsultancy.co.uk](mailto:info@lakelandtreeconsultancy.co.uk)

W: [lakelandtreeconsultancy.co.uk](http://lakelandtreeconsultancy.co.uk)





## Summary

- The client instructed Lakeland Tree Consultancy to survey the trees at the site in question in relation to a planning application for the proposed demolition of the existing residential dwelling and the subsequent erection of a replacement dwelling.
- Trees within and close to the site were surveyed in accordance with the British Standard guidance outlined in BS5837: 2012 *Trees in relation to design, demolition and construction - recommendations* on 23 September 2024.
- The survey identified one individual tree, two groups of trees, a woodland edge and two hedges, which were located both within the site and on areas of immediately adjacent land.
- The woodland was categorised as high quality (A-category), the groups and the hedges were categorised as low quality (C-category) and the individual tree was categorised as unsuitable for retention (U-category) due to its limited remaining life expectancy.
- Details and locations of the existing trees in relation to the existing site are included in the tree survey schedule and on the tree survey plan, below. These documents should be used to inform the proposed site design in accordance with BS5837.

# BS5837 Tree Survey Schedule

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The trees surveyed have been assigned one of the following categories, in line with the guidance outlined in British Standard 5837 (2012)

*Trees in relation to design, demolition and construction - Recommendations: -*

**A**

Trees of **high quality** with an estimated remaining life expectancy of at least 40 years

**B**

Trees of **moderate quality** with an estimated remaining life expectancy of at least 20 years

**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

**U**

**Unsuitable for retention**

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

Key to tree survey schedule: -

T	<b>Tree</b>	<b>Age</b> is classed as either: young; semi-mature, early-mature, mature or post-mature
G	<b>Group</b>	
W	<b>Woodland</b>	
H	<b>Hedge</b>	
		<b>Life expectancy</b> is classed as either: <10 years; 10+ years; 20+ years or 40+ years
RPA	<b>Root protection area</b>	The radial RPA is calculated as twelve times the stem diameter and represents the area where protection of the tree roots during development works is essential to the tree's future health and survival Where the RPA is not shown as circular on the tree survey plan, it may have been modified to take account of built structures such as buildings, roads or retaining walls
#	<b>Estimated values</b>	Measurements may have been estimated where the tree is inaccessible, such as if it is located on neighbouring land or if the stem is heavily covered in ivy Where trees have multiple stems, an average stem diameter may be given
≤ ≥ ≈		For groups of trees and hedges, measurements for the largest individual will be given or average measurements may be given where the individuals are approximately uniform

## BS5837 Tree survey schedule

**Site** Avenue Farmhouse, Stonyhurst, Hurst Green

**Client** David Chippendale

**Surveyor** Jennie Keighley PhD MSc MA ArborA

**Conditions** Heavy rain, settled

**Survey date** 23 September 2024

**Job no.** LTC298

ID no.	Species Latin name	Stem diameter (mm)	Age	Height (m)#	Crown spread (m)	Crown clearance (m)	Structural condition Physiological condition	Life expectancy (years)	Radial RPA (m)	BS5837 category	General observations
T1	Sycamore <i>Acer pseudoplatanus</i>	800 #	Mature	17	N 9 E 9 S 9 W 9	3.5	Poor/ Moderate  Moribund	<10	9.6	U	<ul style="list-style-type: none"> <li>Located on neighbouring land and therefore not accessed to inspect in detail</li> <li>Moribund</li> <li>In a moderately advanced stage of terminal crown dieback</li> </ul>
G1	Western red cedar <i>Thuja plicata</i>	≈ 450	Mature	≤ 9	N 4.5 E 4.5 S 4.5 W 4.5	1.5	Good  Good	10+	5.4	C	<ul style="list-style-type: none"> <li>Linear group growing beyond newly-installed boundary fence (possibly under neighbouring ownership)</li> <li>Lower branches recently pruned away from site</li> <li>Topped at heights of approximately 8m</li> </ul>
G2	2no. apple <i>Malus domestica</i>	≤ 140	Early-mature	≤ 5	N ≤ 3 E ≤ 3 S ≤ 3 W ≤ 3	≥ 0	Good  Moderate to Good	10+	1.7	C	<ul style="list-style-type: none"> <li>Pair of small fruit trees</li> <li>Smaller tree evidently suppressed by a neighbouring conifer that has now been removed (crown condition may now improve)</li> </ul>
W1	Sycamore European beech <i>Acer pseudoplatanus</i> <i>Fagus sylvatica</i>	≤ 700 #	Semi-mature to mature	≤ 20	N ≤ 8 E ≤ 8 S ≤ 8 W ≤ 8	≥ 0	Moderate to Good  Moderate to Good	40+	≤ 8.4	A	<ul style="list-style-type: none"> <li>Located on neighbouring land and therefore not accessed to inspect in detail</li> <li>Edge of a mixed deciduous woodland extending south-eastwards</li> <li>Light understorey of hawthorn</li> <li>Light to heavy ivy cover growing up some of stems</li> </ul>

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**Surveyor** Jennie Keighley PhD MSc MA ArborA

**Survey date** 23 September 2024

**Client** David Chippendale

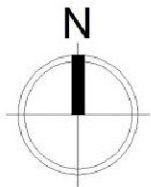
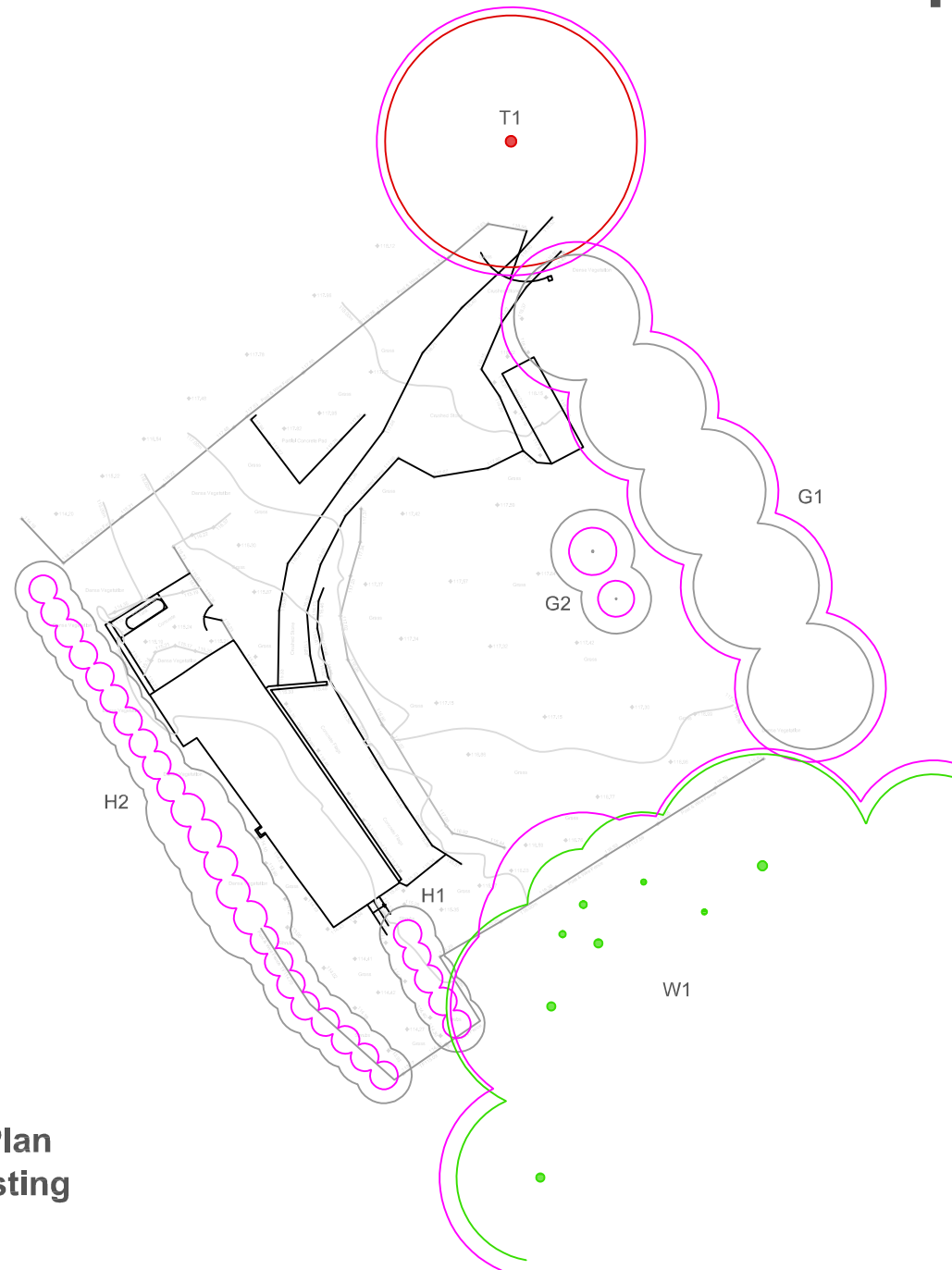
**Conditions** Heavy rain, settled

**Job no.** LTC298

ID no.	Species Latin name	Stem diameter (mm)	Age	Height (m)#	Crown spread (m)	Crown clearance (m)	Structural condition Physiological condition	Life expectancy (years)	Radial RPA (m)	BS5837 category	General observations
H1	Privet <i>Ligustrum ovalifolium</i>	≈ 80	Mature	3.5	N 2 E 2 S 2 W 2	0	Good  Good	10+	1	C	<ul style="list-style-type: none"> <li>• Short length of garden hedge</li> <li>• Currently unmanaged</li> </ul>
H2	Hawthorn Blackthorn Sycamore Bird cherry Hazel Holly European beech <i>Crataegus monogyna</i> <i>Prunus spinosa</i> <i>Acer pseudoplatanus</i> <i>Prunus padus</i> <i>Corylus avellana</i> <i>Ilex aquifolium</i> <i>Fagus sylvatica</i>	≤ 100	Early-mature to mature	≤ 6	N ≤ 3 E ≤ 3 S ≤ 3 W ≤ 3	0	Good  Good	40+	≤ 1.2	C	<ul style="list-style-type: none"> <li>• Grown-out boundary hedge</li> <li>• Currently unmanaged</li> <li>• Stems located on far side of boundary fence and hedge therefore may be under neighbouring ownership</li> <li>• Crowns growing in contact with building</li> <li>• Blackthorn suckering within site</li> </ul>

# Tree Survey Plan

Tree Survey Schedule Summary		
ID	Species	Cat.
T1	Sycamore	U
G1	Thuja	C
G2	2no. apple	C
W1	Sycamore, beech	A
H1	Privet	C
H2	Native mix	C



## Site Plan as Existing

**BS5837 Tree retention categories:**

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- Category A  
High quality tree
- Category B  
Moderate quality tree
- Category C  
Low quality tree
- Category U  
Unsuitable for retention
- Root protection areas (RPAs)

**Identification numbers:**

T = individual tree  
G = group of trees  
W = woodland  
H = hedge

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BB7 9QB

**Client:**

David Chippendale

**Date:** September 2024

**Scale:** 1:500 at A4

Drawing: LTC298-TSP

Drawn by: JK



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