



LAKELAND
TREE CONSULTANCY
ARBORICULTURAL PLANNING SPECIALIST

BS5837 Tree Survey

Avenue Farmhouse
Stonyhurst
Hurst Green
BB7 9QB

September 2024

Project details

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

Lakeland Tree Consultancy
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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

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 **Tree Group**
G
W **Woodland Hedge**
H

Age is classed as either: young; semi-mature, early-mature, mature or post-mature

Life expectancy is classed as either: <10 years; 10+ years; 20+ years or 40+ years

RPA **Root protection area**

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

Estimated values

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

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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	Surveyor	Jennie Keighley PhD MSc MARborA	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
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"> Located on neighbouring land and therefore not accessed to inspect in detail Moribund In a moderately advanced stage of terminal crown dieback
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"> Linear group growing beyond newly-installed boundary fence (possibly under neighbouring ownership) Lower branches recently pruned away from site Topped at heights of approximately 8m
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"> Pair of small fruit trees Smaller tree evidently suppressed by a neighbouring conifer that has now been removed (crown condition may now improve)
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"> Located on neighbouring land and therefore not accessed to inspect in detail Edge of a mixed deciduous woodland extending south-eastwards Light understorey of hawthorn Light to heavy ivy cover growing up some of stems

BS5837 Tree survey schedule

Site Avenue Farmhouse, Stonyhurst, Hurst Green
Client David Chippendale

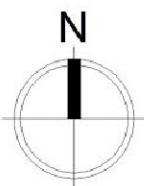
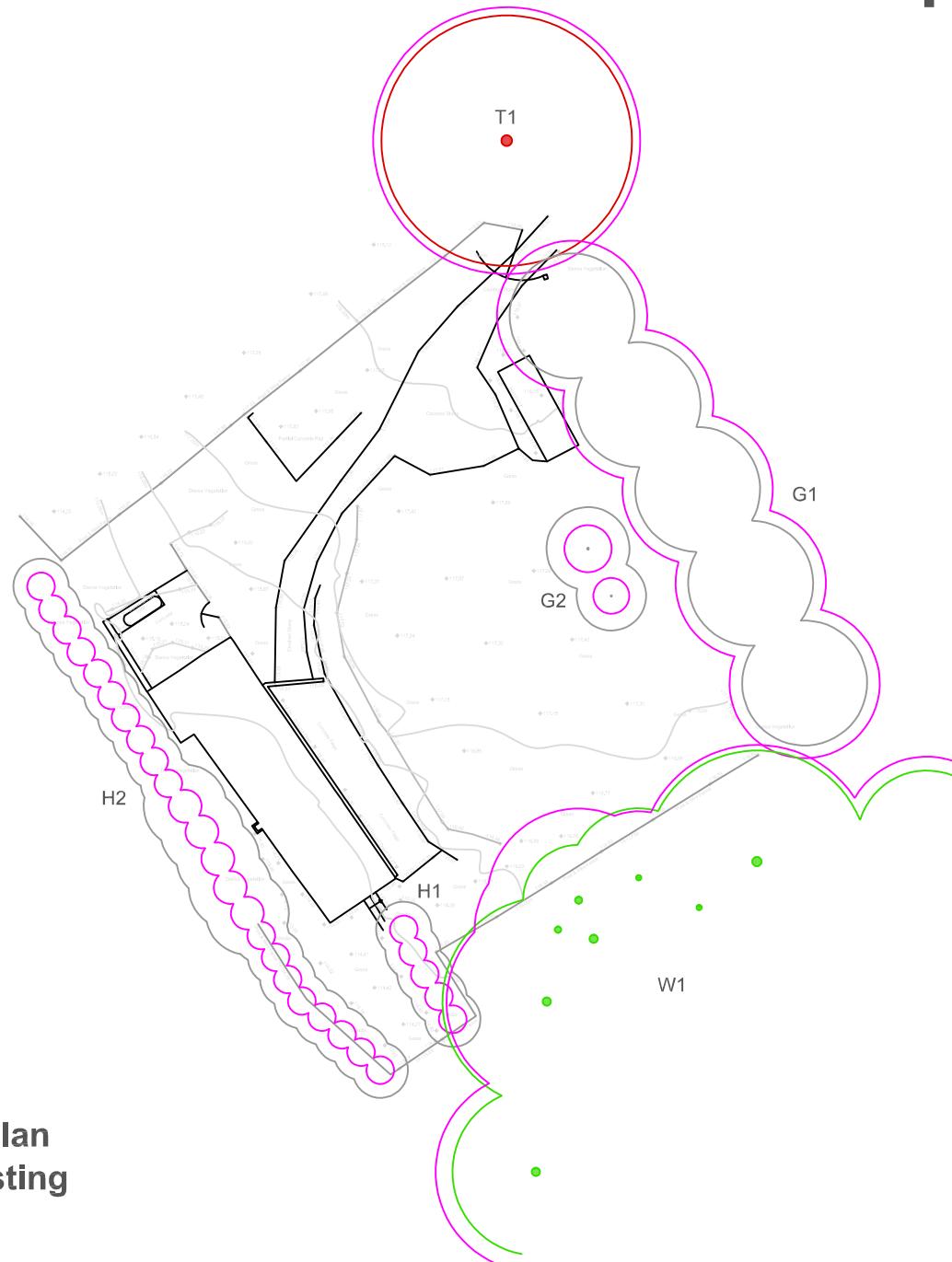
Surveyor Jennie Keighley PhD MSc MArborA
Conditions Heavy rain, settled

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
H1	Privet <i>Ligustrum ovalifolium</i>	≈ 80	Mature	3.5	N 2 E 2 S 2 W 2	0	Good	10+	1	C	<ul style="list-style-type: none"> • Short length of garden hedge • Currently unmanaged
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	40+	≤ 1.2	C	<ul style="list-style-type: none"> • Grown-out boundary hedge • Currently unmanaged • Stems located on far side of boundary fence and hedge therefore may be under neighbouring ownership • Crowns growing in contact with building • Blackthorn suckering within site

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:

- Category A: High quality tree (green circle)
- Category B: Moderate quality tree (blue circle)
- Category C: Low quality tree (grey circle)
- Category U: Unsuitable for retention (red circle)
- Root protection areas (RPAs) (magenta circle)

Identification numbers:

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

Site:
Avenue Farmhouse
Stonyhurst
Hurst Green
BB7 9QB

Client:
David Chippendale

Date: September 2024

Scale: 1:500 at A4

Drawing: LTC298-TSP

Drawn by: JK



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