



LAKELAND
TREE CONSULTANCY
ARBORICULTURAL PLANNING SPECIALIST

BS5837 Tree Survey

Plot 1
Franklin Hill
Brockhall Village
Old Langho
BB6 8HY

January 2021

Project details

Job no.	LTC067
Site	Plot 1, Franklin Hill, Brockhall Village, Old Langho, BB6 8HY
Client	Mr Gaffey
Architect	Sunderland Peacock & Associates Ltd.
Arboriculturist	Jennie Keighley PhD MSc MArborA
Local Authority	Ribble Valley Borough Council
Date	27 January 2021

Lakeland Tree Consultancy
5 Hunting Hill Road
Carnforth
LA5 9JQ



Summary

- The client's architect, Sunderland Peacock & Associates Ltd., instructed Lakeland Tree Consultancy to survey the trees at the above site in relation to a planning application for an amended design of a previously approved application for erection of a single detached 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 26 January 2021.
- The survey identified five individual trees, three groups of trees and a hedge. Two trees were categorised as moderate quality (B-category) and the other trees, groups and hedge were categorised as low quality (C-category).
- 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 design process in accordance with BS5837: 2012.
- For detailed feedback on the potential arboricultural impacts of your proposal, please email your proposal plan to us at info@lakelandtreeconsultancy.co.uk.

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 abbreviations in the tree survey schedule: -

T	Tree	Y	Young
G	Group	SM	Semi-mature
W	Woodland	EM	Early mature
H	Hedge	M	Mature
		PM	Post-mature

RPA **Root protection area** The RPA is calculated according to the diameter of the tree's stem and represents the area where protection of the tree roots during development works is essential to the tree's future health and survival

Estimated values

BS5837 Tree survey schedule							
Site	Plot 1, Franklin Hill, Brockhall Village, BB6 8HY		Surveyor	Jennie Keighley PhD MSc MA ArborA	Survey Date	26 January 2021	
Client	Mr Gaffey		Conditions	Overcast, very light rain		Job no.	LTC067

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	Dawn redwood	340	SM	18	N 3 E 3 S 4 W 3	1.5	Good	20+	4.08	C	- Crown recently lifted to a height of 1.5m - Crown slightly biased south-east, away from neighbouring pine
	<i>Metasequoia glyptostroboides</i>						Good				
T2	Austrian pine	570	M	18	N 5.5 E 5.5 S 5.5 W 5.5	1.75	Good	20+	6.84	B	No significant visible defects
	<i>Pinus nigra</i> ssp. <i>nigra</i>						Good				
T3	Austrian pine	570	M	20	N 5.5 E 5.5 S 5.5 W 5.5	5	Good	20+	6.84	B	No significant visible defects
	<i>Pinus nigra</i> ssp. <i>nigra</i>						Good				
T4	European larch	590	M	24	N 5 E 5 S 6 W 6	8	Good	10+	7.08	C	- Crown lifted, leaving several pruning stubs to a diameter of 80mm and length of 500mm - Minor deadwood in lower crown
	<i>Larix decidua</i>						Good				
T5	Sycamore	290	SM	17	N 2 E 1 S 3 W 2	2	Good	20+	3.48	C	Crown suppressed by neighbouring trees
	<i>Acer pseudoplatanus</i>						Moderate/Good				

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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
G1	3no. Lawson cypress	≤ 410	SM-EM	≤ 18	N 2.5 E 2.5 S 2.5 W 2.5	≥ 0	Good	10+	≤ 4.92	C	• Westernmost tree bifurcates near base with an included bark union and reactive growth ribs
	<i>Chamaecyparis lawsoniana</i>						Good				
G2	2no. Leyland cypress	≤ 180	Y	≤ 7	N ≤ 3 E ≤ 3 S ≤ 3 W ≤ 3	0	Good	10+	≤ 2.16	C	• Young pair growing with stems less than 1m from boundary fence • Smaller tree suppressed by neighbouring horse chestnut
	<i>Cupressus x leylandii</i>						Good				
G3	3no. horse chestnut	≤ 550	EM-M	≤ 20	N 3.5 E 3.5 S ≤ 5.5 W 3.5	≥ 1.5	Poor-Moderate	10+	≤ 6.6	C	• All with moderate to severe dark bark stains, cracks and bleeding lesions indicative of infection with horse chestnut bleeding canker (<i>Pseudomonas syringae</i> pathovar. <i>aesculi</i>) • Crowns all also exhibiting reduced vitality • Primary branch failures likely in southernmost tree, which has advanced infection and associated loss of structural integrity
	<i>Aesculus hippocastanum</i>						Poor-Moderate				
H1	Cherry laurel	≈ 30	SM	1.5	N 0.5 E 0.5 S 0.5 W 0.5	0	Good	10+	≈ 0.36	C	• Managed boundary hedge • Cherry laurel along roadside and a short section of western red cedar along southern boundary
	<i>Prunus laurocerasus</i> <i>Thuja plicata</i>						Good				

Tree Survey Plan

BS5837 Tree retention categories:

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

Identification numbers:

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

Site:

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Client:

Mr Gaffey

Date: January 2021

Scale: 1:250 at A4

Drawing: LTC067-TSP

Drawn by: JK



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Tree Survey Schedule Summary		
ID No.	Species	Cat.
T1	Redwood	C
T2	Pine	B
T3	Pine	B
T4	Larch	C
T5	Sycamore	C
G1	3no. Cypress	C
G2	2no. Cypress	C
G3	3no. Chestnut	C
H1	Laurel	C



