



LAKELAND
TREE CONSULTANCY
ARBORICULTURAL PLANNING SPECIALIST

BS5837 Tree Survey

Top O'th Brow
Two Brooks Lane
Hawkshaw
BL8 4LA

August 2021

Project details

Job no.	LTC094
Site	Top O'th Brow, Two Brooks Lane, Hawkshaw, BL8 4LA
Client	Reena Kundu
Arboriculturist	Jennie Keighley PhD MSc MArborA
Local Authority	Bury Metropolitan Borough Council
Issue date	12 August 2021

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

T: 07917652230

E: info@lakelandtreeconsultancy.co.uk

W: lakelandtreeconsultancy.co.uk



Summary

- The client's agent, Zara Moon Architects, instructed Lakeland Tree Consultancy to survey the trees at the above site in relation to a planning application for the renovation of the existing dwelling.
- Trees potentially within influencing distance of the proposed development were surveyed in accordance with the British Standard guidance outlined in BS5837: 2012 *Trees in relation to design, demolition and construction - Recommendations* on 10 August 2021.
- The survey identified one individual tree, five groups of trees, one woodland edge and three hedges. These were located both within the site and on areas of neighbouring land.
- 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 tree survey schedule: -

T	Tree	Age is classed as either: young; semi-mature, early-mature, mature or post-mature
G	Group	
W	Woodland	
H	Hedge	
		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
≤ ≥ ≈		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 Top O'th Brow, Two Brooks Lane, Hawkshaw, BL8 4LA

Surveyor Jennie Keighley PhD MSc MA ArborA

Survey Date 10 August 2021

Client Reena Kundu

Conditions Scattered cloud, light breeze

Job no. LTC094

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	Cotoneaster tree <i>Cotoneaster</i> sp.	6x100 #	Mature	6	N 3.5 E 3.5 S 3.5 W 3.5	1.25	Good Good	10+	2.9	C	- Multi-stemmed from base - Several stems and branches removed in the past, with stubs exhibiting some early decay
G1	2no. sycamore <i>Acer pseudoplatanus</i>	≤ 710	Early-mature to mature	≤ 22	N 6 E 6 S 6 W 6	1.5	Good Good	20+	≤ 8.52	B	- Pair of trees growing at side of driveway - Septic tank within RPA of smaller tree - Crown of smaller tree overhangs roof of existing garage slightly - Overhead cables pass between crowns
G2	≈ 8no. Hawthorn Elder Holly <i>Crataegus monogyna</i> <i>Sambucus nigra</i> <i>Ilex aquifolium</i>	≤ 130	Young to mature	≤ 8	N 2 E 2 S 2 W 2	0	Good Good	20+	≤ 1.56	C	- Dense group growing close to existing garage - Stems growing on or beyond dilapidated stone boundary wall and, therefore, some of trees may be under neighbouring ownership
G3	3no. sycamore <i>Acer pseudoplatanus</i>	≤ 490	Semi-mature to early-mature	≤ 15	N 4.5 E 4.5 S 4.5 W 4.5	1	Good Good	20+	≤ 5.88	B	- Linear group of trees growing along site boundary - Stems traverse wire boundary fence and, therefore, ownership unclear

BS5837 Tree survey schedule

Site Top O'th Brow, Two Brooks Lane, Hawkshaw, BL8 4LA

Surveyor Jennie Keighley PhD MSc MA ArborA

Survey Date 10 August 2021

Client Reena Kundu

Conditions Scattered cloud, light breeze

Job no. LTC094

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
G4	3no. purple cherry plum 2no. hawthorn 1no. elder <i>Prunus cerasifera</i> Nigra <i>Crataegus monogyna</i> <i>Sambucus nigra</i>	≤ 210	Young to mature	≤ 7	N ≤ 2.5 E ≤ 2.5 S ≤ 2.5 W ≤ 2.5	0.5	Good Good	10+	≤ 2.52	C	- Group of small garden trees growing on either side of low wall - Elder has small leaves, suggesting reduced vitality
G5	2no. common pear 2no. purple cherry plum 1no. orchard apple 1no. downy birch <i>Pyrus communis</i> <i>Prunus cerasifera</i> Nigra <i>Malus domestica</i> <i>Betula pubescens</i>	≤ 4x170 #	Semi-mature to post-mature	≤ 11	N ≤ 4 E ≤ 4 S ≤ 4 W ≤ 4	1	Poor to Good Moderate to Good	10+	≤ 4.1	C	- Small orchard area - Reportedly poorly fruit-bearing and very sparse fruit cover evident from survey - Very heavily pruned in the past - One of cherry plums has a heavily decayed codominant leader failed at a height of 1.5m

BS5837 Tree survey schedule

Site Top O'th Brow, Two Brooks Lane, Hawkshaw, BL8 4LA

Surveyor Jennie Keighley PhD MSc MArborA

Survey Date 10 August 2021

Client Reena Kundu

Conditions Scattered cloud, light breeze

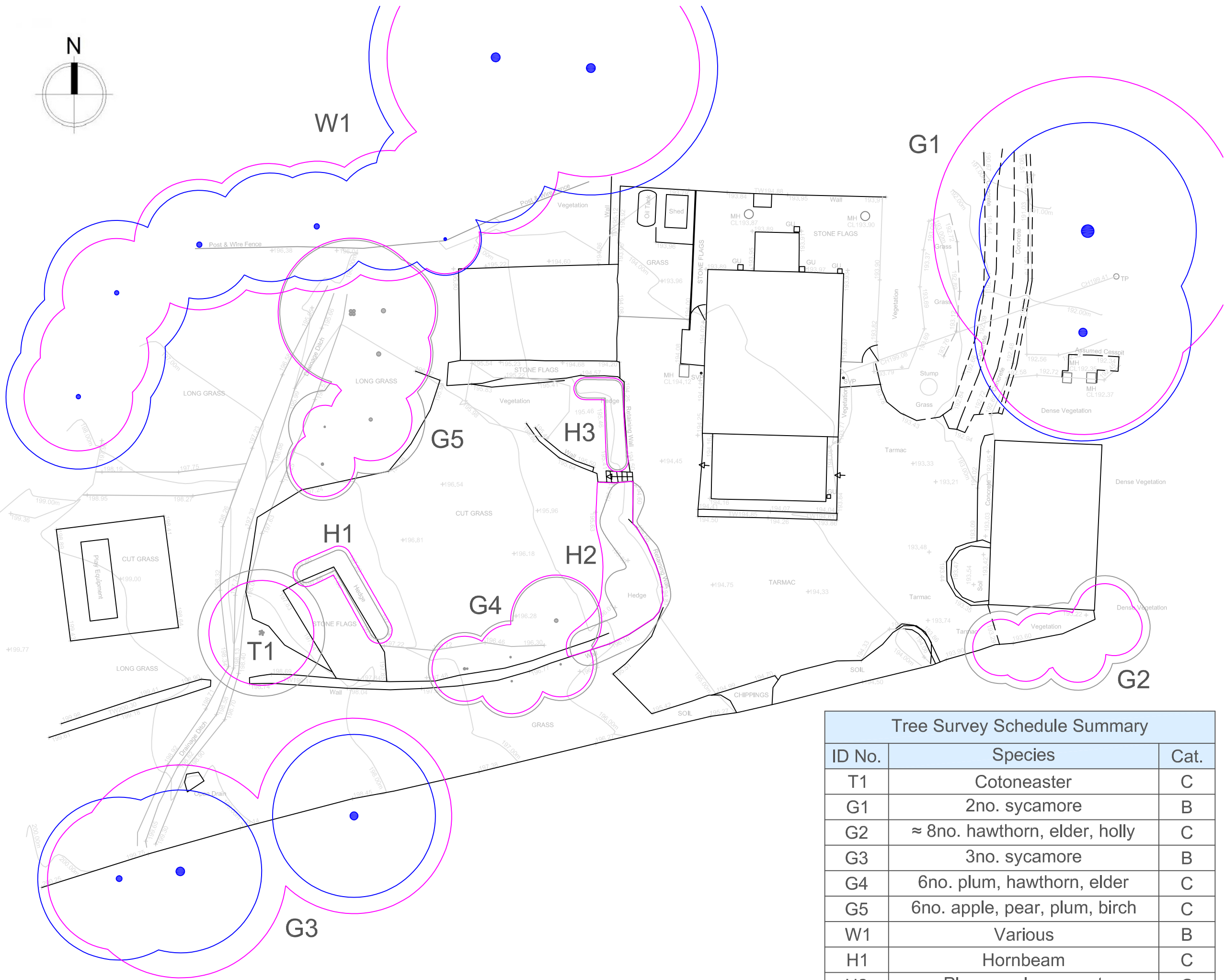
Job no. LTC094

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
W1	Sycamore						Poor to Good				
	Common ash										
	Holly										
	Hawthorn										
	Rowan						Poor to Good				
	Downy birch										
	Goat willow										
	Elder										
	Apple										
	Purple cherry plum										
		≤ 500 #	Young to mature	≤ 20	N ≤ 7 E ≤ 7 S ≤ 7 W ≤ 7	≥ 0		40+	≤ 6	B	- Southern edge of a woodland extending over neighbouring land to north - Not accessed to inspect in detail - Ash crowns exhibiting signs of early to advanced terminal infection with ash dieback disease (fungal pathogen <i>Hymenoscyphus fraxineus</i>)
	<i>Acer pseudoplatanus</i>										
	<i>Fraxinus excelsior</i>										
	<i>Ilex aquifolium</i>										
	<i>Crataegus monogyna</i>										
	<i>Sorbus aucuparia</i>						Poor to Good				
	<i>Betula pubescens</i>										
	<i>Salix caprea</i>										
	<i>Sambucus nigra</i>										
	<i>Malus domestica</i>										
	<i>Prunus cerasifera</i> Nigra										

BS5837 Tree survey schedule

Site Top O'th Brow, Two Brooks Lane, Hawkshaw, BL8 4LA
Client Reena Kundu
Surveyor Jennie Keighley PhD MSc MA ArborA
Conditions Scattered cloud, light breeze
Survey Date 10 August 2021
Job no. LTC094

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	Hornbeam <i>Carpinus betulus</i>	≈ 60	Semi-mature	2	N 0.5 E 0.5 S 0.5 W 0.5	0	Good Good	20+	≈ 0.72	C	• Short section of managed garden hedge growing around patio area
H2	Purple cherry plum Apple Currant <i>Prunus cerasifera</i> Nigra <i>Malus</i> sp. <i>Ribes</i> sp.	≈ 100	Mature	3	N 1 E 1 S 1 W 1	0.5	Good Good	10+	≈ 1.2	C	• Managed garden hedge growing atop stone retaining wall
H3	Purple cherry plum Apple <i>Prunus cerasifera</i> Nigra <i>Malus</i> sp.	≈ 50	Semi-mature	1.5	N 0.5 E 0.5 S 0.5 W 0.5	0	Good Good	20+	≈ 0.6	C	• Short section of managed garden hedge



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:
Top O'th Brow
Two Brooks Lane
Hawkshaw
BL8 4LA

Client:
Reena Kundu

Date: August 2021

Scale: 1:200 at A3

Drawing: LTC094-TSP

Drawn by: JK

Tree Survey Schedule Summary		
ID No.	Species	Cat.
T1	Cotoneaster	C
G1	2no. sycamore	B
G2	≈ 8no. hawthorn, elder, holly	C
G3	3no. sycamore	B
G4	6no. plum, hawthorn, elder	C
G5	6no. apple, pear, plum, birch	C
W1	Various	B
H1	Hornbeam	C
H2	Plum, apple, currant	C
H3	Plum, apple	C



Halton Mill, Mill Lane, Halton, LA2 6ND
info@lakelandtreeconsultancy.co.uk
01524 874124
lakelandtreeconsultancy.co.uk