



LAKELAND
TREE CONSULTANCY
ARBORICULTURAL PLANNING SPECIALIST

BS5837 Tree Survey

Cowgill Farm
Gisburn Road
Sawley
BB7 4LH

September 2021

Project details

Job no.	LTC104
Site	Cowgill Farm, Gisburn Road, Sawley, BB7 4LH
Client	Peter Newhouse
Arboriculturist	Jennie Keighley PhD MSc MArborA
Local Authority	Ribble Valley Borough Council
Issue date	14 September 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 conversion of the existing store/garage building into a single-storey, detached 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 14 September 2021.
- The survey identified three individual trees, one group of trees and one hedge, which were all located within the site and evidently under the client's ownership.
- 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.

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 Cowgill Farm, Gisburn Road, Sawley, BB7 4LH

Client Peter Newhouse

Surveyor Jennie Keighley PhD MSc MA ArborA

Conditions Overcast, slight breeze

Survey date 14 September 2021

Job no. LTC104

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	Cypress <i>Cupressus</i> sp.	6x100 #	Semi-mature	6	N 2 E 2 S 2 W 2	3	Moderate Dead	N/A	2.9	U	- Dead - Unable to inspect in detail due to dense ground vegetation
T2	Flowering cherry <i>Prunus serrulata</i>	130	Early-mature	6	N 2.5 E 2.5 S 2.5 W 2.5	1.5	Good Moderate	10+	1.56	C	- Large, partially occluded wound to lower stem with decaying stem tissue exposed - Crown slightly thin
T3	Common ash <i>Fraxinus excelsior</i>	700 #	Mature	17	N 6.5 E 6.5 S 6.5 W 6.5	1.75	Good Good	<10	8.4	U	- Growing close to boundary fence, within hedge, and therefore unable to view southern side of stem - Basal cavity visible between buttresses on northern side - Honey fungus rhizomorphs growing across surface of decaying tissue around northern buttresses (white rot decay fungus species <i>Armillaria mellea</i>) - Progression of honey fungus infection could eventually lead to rootplate failure - Condition of tree should be monitored regularly going forward with a view to felling it when it presents an unacceptable risk - No clear signs of infection with ash dieback disease (fungal pathogen <i>Hymenoscyphus fraxineus</i>) as yet, although the disease is prevalent in the local ash population

BS5837 Tree survey schedule

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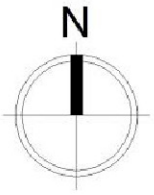
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ID no.	Species Latin name	Stem diameter (mm)	Age	Height (m)#	Crown spread (m)	Crown clearance (m)	Structural condition Physiological condition	Life expectancy (years)	Radial RPA (m)	BS5837 category	General observations
G1	2no. Leyland cypress <i>Cupressus x leylandii</i>	4x100 #	Semi-mature	≤ 11	N 2.5 E 2.5 S 2.5 W 2.5	0	Good Good	10+	2.4	C	• Pair of similar trees growing within overgrown area • Unable to inspect in detail due to dense ground vegetation
H1	Hazel Hawthorn Wych elm Holly <i>Corylus avellana</i> <i>Crataegus monogyna</i> <i>Ulmus glabra</i> <i>Ilex aquifolium</i>	≈ 100	Mature	≤ 3	N 1.5 E 1.5 S 1.5 W 1.5	0	Good Good	20+	≈ 1.2	C	• Managed boundary hedge • Historically laid



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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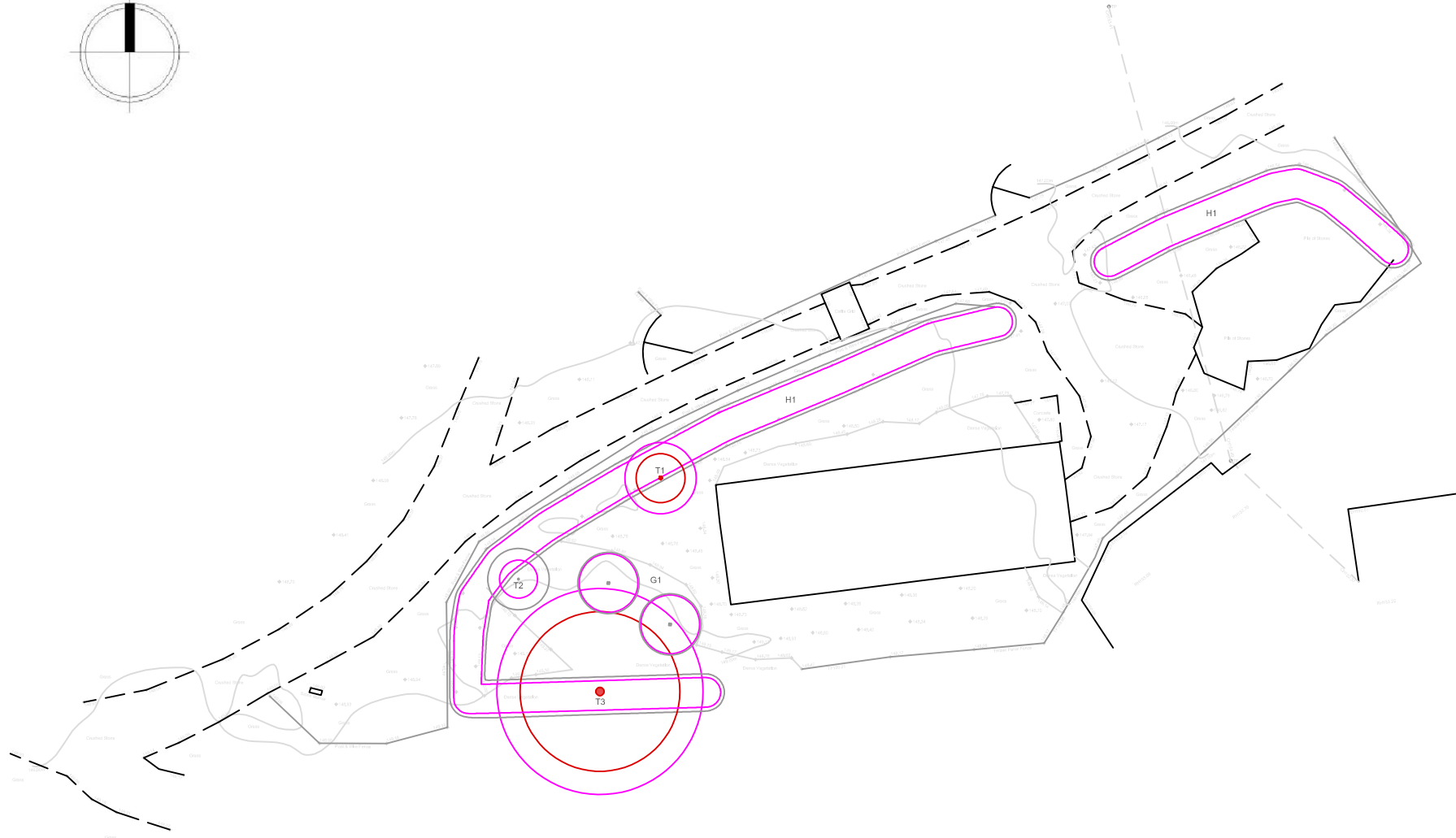
Client:
Peter Newhouse

Date: September 2021

Scale: 1:500 at A4

Drawing: LTC104-TSP

Drawn by: JK



Tree Survey Schedule Summary		
ID No.	Species	Cat.
T1	Cypress	U
T2	Cherry	C
T3	Ash	U
G1	2no. cypress	C
H1	Native mix	C



Halton Mill, Mill Lane, Halton, LA2 6ND
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01524 874124
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