



LAKELAND
TREE CONSULTANCY
ARBORICULTURAL PLANNING SPECIALIST

BS5837 Tree Survey

Land at West Street
Worsbrough
S70 5PG

August 2023

Project details

Job no.	LTC222
Site	Land at West Street, Worsbrough, S70 5PG
Client	Hoover Homes
Arboriculturist	Jennie Keighley PhD MSc MArborA
Local authority	Barnsley Metropolitan Borough Council
Issue date	18 August 2023

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

T: 01524 874124

E: info@lakelandtreeconsultancy.co.uk

W: 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 a residential development.
- 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 17 August 2023.
- The survey identified three individual trees and five groups of trees, which were located both within the site and on areas of immediately adjacent 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 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	Age is classed as either: young; semi-mature, early-mature, mature or post-mature
G	Group	
W	Woodland	
H	Hedge	
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 Land at West Street, Worsbrough, S70 5PG

Surveyor Jennie Keighley PhD MSc MArborA

Survey date 17 August 2023

Client Hooper Homes

Conditions Overcast, gentle breeze

Job no. LTC222

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	Common ash <i>Fraxinus excelsior</i>	260	Semi-mature	6.5	N 3.5 E 3.5 S 3.5 W 3.5	2	Moderate/ Good Moderate	<10	3.12	U	<ul style="list-style-type: none"> • Growing outside site, within verge at road frontage • Crown exhibiting signs of early infection with ash dieback disease • Terminal decline likely within next ten years
T2	Goat willow <i>Salix caprea</i>	7x200 #	Mature	9	N 6 E 6 S 6 W 6	2	Good Good	10+	6.3	C	<ul style="list-style-type: none"> • Growing on banking of made ground • Multi-stemmed from base • Japanese knotweed within RPA
T3	Sycamore <i>Acer pseudoplatanus</i>	340 330 310 220 220 200	Mature	13	N 5 E 5 S 5 W 5	1.5	Good Good	20+	7.9	B	<ul style="list-style-type: none"> • Growing on banking of made ground • Multi-stemmed from base
G1	2no. common ash 1no. common lime <i>Fraxinus excelsior</i> <i>Tilia x europaea</i>	≤ 600 #	Mature	≤ 20	N ≤ 8 E ≤ 8 S ≤ 8 W ≤ 8	≥ 4	Good Moderate/ Good to Good	20+	≤ 7.2	B	<ul style="list-style-type: none"> • Located on neighbouring land and therefore not accessed to inspect in detail • Group growing on far side of neighbouring access track • Crown of one ash overhanging site by 3m, but with a high ground clearance of >4m • Both ash crowns exhibiting small leaves (expected to be very early signs of infection with ash dieback disease)

BS5837 Tree survey schedule

Site Land at West Street, Worsbrough, S70 5PG

Surveyor Jennie Keighley PhD MSc MArborA

Survey date 17 August 2023

Client Hooper Homes

Conditions Overcast, gentle breeze

Job no. LTC222

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
G2	Elder	≈ 3x100 #	Young to post-mature	≤ 6	N 2.5	≥ 0	Poor to Moderate	<10	2.1	U	<ul style="list-style-type: none"> Linear group of small trees growing atop a collapsing retaining wall Trees evidently becoming structurally unstable as a result of wall collapse
	Dogwood				E 2.5		Moribund to Good				
	Goat willow				S 2.5						
	<i>Sambucus nigra</i>				W 2.5						
	<i>Cornus sanguinea</i>										
	<i>Salix caprea</i>										
G3	2no. common ash	≤ 330	Early-mature	≤ 14	N 3.5	≥ 1.75	Poor to Moderate	<10	≤ 3.96	U	<ul style="list-style-type: none"> Pair of trees growing on banking of made ground Crowns exhibiting signs of mid-stage to advanced infection with ash dieback disease Terminal decline likely within next ten years
					E 3.5						
					S 3.5						
					W 3.5						
	<i>Fraxinus excelsior</i>										
G4	1no. goat willow	≤ 4x200 #	Early-mature to mature	≤ 12	N ≤ 5	≥ 0	Good	20+	≤ 4.8	C	<ul style="list-style-type: none"> Group growing on banking of made ground No significant visible defects
	1no. wild cherry				E ≤ 5						
	1no. sycamore				S ≤ 5						
					W ≤ 5						
	<i>Salix caprea</i>										
	<i>Prunus avium</i>										
	<i>Acer pseudoplatanus</i>										

BS5837 Tree survey schedule

Site Land at West Street, Worsbrough, S70 5PG

Surveyor Jennie Keighley PhD MSc MArborA

Survey date 17 August 2023

Client Hooper Homes

Conditions Overcast, gentle breeze

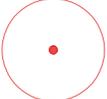
Job no. LTC222

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
G5	Common ash	≤ 8x180 #	Young to mature	≤ 16	N ≤ 7	≥ 0	Moderate to Good	20+	≤ 6.1	C	<ul style="list-style-type: none"> • Located on neighbouring land and therefore not accessed to inspect in detail • Group forming a screen between site and adjacent Trans Pennine Trail • Crowns overhanging site by up to 4.5m with low ground clearance in places • Lower scrub encroaching into site slightly, particularly at eastern end • Ash crowns exhibiting signs of mid-stage infection with ash dieback disease
	Goat willow				E ≤ 7						
	Sycamore				S ≤ 7						
	Rowan				W ≤ 7						
	Silver birch										
	Hazel										
	Hawthorn										
	Dogwood										
	Blackthorn										
	Field maple										
	Elder										
	Dog rose										
	<i>Fraxinus excelsior</i>										
	<i>Salix caprea</i>										
	<i>Acer pseudoplatanus</i>										
<i>Sorbus aucuparia</i>											
<i>Betula pendula</i>											
<i>Corylus avellana</i>											
<i>Crataegus monogyna</i>											
<i>Cornus sanguinea</i>											
<i>Prunus spinosa</i>											
<i>Acer campestre</i>											
<i>Sambucus nigra</i>											
<i>Rosa canina</i>											
							Dead to Good				

Tree Survey Plan

Tree Survey Schedule Summary		
ID	Species	Cat.
T1	Ash	U
T2	Willow	C
T3	Sycamore	B
G1	3no. ash, lime	B
G2	Elder, dogwood, willow	U
G3	2no. ash	U
G4	3no. willow, cherry, sycamore	C
G5	Native mix	C

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
- W = woodland
- H = hedge

Site:

Land at West Street
Worsbrough
S70 5PG

Client:

Hoober Homes

Date: August 2023

Scale: 1:500 at A2

Drawing: LTC222-TSP

Drawn by: JK



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

