



**Preliminary Tree Survey  
Whites Bakery  
Worsborough  
Barnsley**

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Report Title:	Preliminary Tree Survey Whites Bakery, Worsborough
Report Reference:	R-2032-01
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## Executive summary

This survey included twenty one individual trees and two groups of trees.

Seven trees require annual monitoring. Two trees require a crown clean to remove deadwood, stubs and broken branches within their canopy.

The trees on this site have a moderate impact on the local treescape.

## Introduction

### *Purpose of the Report*

1. This report has been commissioned to provide professional independent, detailed arboricultural advice on all relevant trees present at Site off Park Road, Worsborough, Barnsley.
2. The report has been undertaken in accordance with BS 5837:2012 'Trees in relation to construction – Recommendations'.
3. No topographical plan has been supplied by the client. Any tree positions are for guidance purpose only and should not be scaled from.

### *Limitations*

4. All findings and recommendations are based on visual observations conducted from ground level during the site visit only. No other diagnostic procedures were used to establish any extent of internal decay nor was a climbing inspection undertaken.
5. The recommendations in this report are of a preliminary nature and do not take into account any specific development proposals. This allows the trees to be assessed independently and without bias.
6. All measurements were obtained with the use of a clinometer and an electronic distometer. On occasion it is not viable to provide accurate measurements due to restricted access or other mitigating circumstances on site, and the data may be estimated.
7. Due to the large potential penalties for illegally carrying out work to protected trees, it is recommend that a check is carried out prior to any works being undertaken to ensure the trees on site are not protected by a Tree Preservation Order or are within a Conservation Area. We are happy to assist in establishing whether trees on this site are protected by a Tree Preservation Order or a Conservation Area by the Local Authority, if required.

## Site Visit

### *Site Description*

8. Land Use –The trees surveyed are situated within the overgrown, largely disused land surrounding a working bakery industrial unit. The building has associated car parking spaces and loading bays. The western section of the site appears to be back filled with the left over material from the development of the industrial unit. The land is uneven and some pot holes

were noted. Some light fly tipping was evident and there was numerous piles of brick and stone.

9. Surrounding the site is a mix of residential property and small business premises. To the south of the site there is a large newly built residential development.

10. Topography - The site is approximately level.

11. Treescape - The area on a whole is reasonably well tree'd for an urban setting.

The trees on this site have a moderate impact on the local treescape.

12. Species diversity – The species diversity on this site is average. Species surveyed include; Sycamore, Goat willow, Ash, Beech, Birch, Hawthorn, Elder, Cherry and Lime.

13. Visual amenity value - The trees on site collectively provide a moderate to low visual amenity to the surrounding area.

#### *Survey Conditions*

14. The survey was carried out on 18<sup>th</sup> February 2015 by Victoria Black.
15. The weather conditions; bright and clear.

## Results

#### *Tree descriptions and recommendations*

16. The tree survey revealed a total of twenty one individual trees and two groups of trees. Of these, two trees were identified as retention category 'B', and twenty one trees were identified as retention category 'C'. Please refer to Appendix 2 for retention category and definition criteria.
17. It has been recommended that G1, T2, T3, T4, T5, T13 and T16 are monitored annually to assess if their condition is still acceptable.
18. T13 has a large bark wound to the north of its stem with an old fungal bracket (*Coriolus versicolor*) evident. This common deadwood fungi spells out the unfortunate eventual structural failure at the point of decay. It is recommended that this tree is annually monitored to assess its condition. It may be prudent to carry out further structural investigations in the form of a decay resisograph test or picus sonic scanning to assess the level of decay. The owner of the land should be informed of this finding.

19. Tree pruning works have been recommended to a couple of trees on this site, for reasons of public safety and to ensure the long-term health of the trees, as detailed at Appendix 1.
20. Those trees which overhang the public footpaths or public highways, detailed at Appendix 1, shall require future maintenance to maintain clearance heights for vehicular or pedestrian traffic. These heights should be 5.6m above a road and 2.5m above a footpath.

## Conclusions

21. The trees surveyed were generally found to be in good to fair condition.
22. Seven trees (G1, T2, T3, T4, T5, T13 and T16) require annual monitoring. This is detailed at Appendix 1.
23. Some works have been recommended for reasons of public safety and to ensure the long term health of the trees. These are detailed at Appendix 1 – Tree Data.
24. Any proposed development should be accompanied by an Arboricultural Method Statement detailing the protection measures necessary for each tree. This should specify fencing standard and positions, acceptable tree friendly construction techniques and necessary tree work.

## Implications for future potential development

25. There is the potential for development on this site without any major adverse effect on the trees.
26. As no details of any proposals have been supplied to offer comments on, generic arboricultural advice is offered below.
27. The following procedures would need to be put in place if planning was granted by Barnsley Metropolitan Borough Council on this site.

### *Protection*

28. Protective barriers should be fully installed and no other work should commence until this happens – this includes movement of materials, supplies or machinery onto the site and any excavations or soil stripping. Once the barriers are properly erected in their correct positions, they should not be removed or altered in any way without prior approval from the local planning authority.
29. All tree protection barriers should be constructed in accordance with BS

5837:2012.

30. This fencing will create construction exclusion zones in order to protect the trees root protection areas. No pedestrians, vehicles, materials or equipment should be allowed within these fenced areas at any time.

*Construction*

31. The proposed scheme should not encroach within the RPA of any retained tree on site.

*Drainage and Utilities*

32. Any drainage and utilities should not be installed within the root protection area of any retained tree on this site.

*Ground levels*

33. No ground level changes should take place within the RPA of any retained tree.

*Shading*

34. There should be no shading issues on this site, however, this should be addressed at design stage.

Site off Park Road  
Worsborough  
Barnsley



## **Appendix 1:** Tree Data

Tree/group number	Common name	Botanical name	Age class	Height (m)	Diameter (mm)	Canopy Spread				Crown clearance (m)	Physiological condition	Structural condition	Observations	Recommendations	Visual amenity value	Remaining contribution (years)	Retention category
						North	East	South	West								
1	Mixed	Mixed	Young to early mature	To 6	To 250	See plan	See plan	See plan	See plan	0	Fair	Fair	Scrappy group. Growing close together. Bark wounds, snapped branches, deadwood and stubs throughout. Overhanging boundary. Large bark wound noted on Hawthorn with decay present. Provides screenage in summer.	Monitor	Low	10 to 20	C1
2	Birch	Betula pendula	Early mature	15	360	3.78	3.51	3.15	3.21	0.5	Good	Fair	Single stemmed and vertical with a balanced canopy. Growing on mould. Large bark wound with minor decay noted.	Monitor	Mod	20+	C1
3	Goat Willow	Salix caprea	Early mature	12	320, 230 & 260	4.47	4.28	4.75	2.12	2.5	Fair	Fair	Typical of species. Multiple stemmed at ground level with an unbalanced canopy. Overhanging watercourse. Minor bark wounds throughout with decay noted. Overhanging boundary.	Monitor	Mod	20+	C1
4	Goat Willow	Salix caprea	Early mature	12	350	3.49	1.67	4.35	2.18	3	Fair	Fair	Single stemmed with a slight lean to west and an unbalanced canopy. Poorly pruned in past. Stub noted in canopy with decay present. Overhanging watercourse. Minor epicormic growth. Minor bark wounds throughout. Overhanging boundary.	Monitor	Mod	20+	C1
5	Goat Willow	Salix caprea	Early mature	12	370	2.61	2.6	3.59	4.21	2.5 without epicormic growth	Fair	Fair	Single stemmed with a slight lean to west and an unbalanced canopy. Major epicormic growth. Minor bark wounds and stubs throughout. Bark wound at base with decay noted. Poorly pruned in past. Overhanging boundary.	Monitor	Mod	20+	C1
6	Ash	Fraxinus excelsior	Early mature	16	340, 320 & 230	5.28	3.23	6.07	7.3	2	Fair	Fair	Multiple stemmed at ground level with an unbalanced canopy. Poorly pruned in past. Limited inspection. Deadwood and stubs. Overhanging watercourse.	Crown clean	Mod	20+	C1
7	Ash	Fraxinus excelsior	Mature	18	340, 360 & 380	7.94	6.36	7	7.15	4	Good	Fair	Multiple stemmed at ground level with a balanced canopy. Minor included bark at union. Poorly pruned in past. Deadwood and stubs. Minor bark wounds throughout from previously poor pruning.	Crown clean	Mod	20+	B1
8	Mixed	Mixed	Semi mature	To 5	To 210	See plan	See plan	See plan	See plan	0+	Fair	Fair	Scrappy overgrown group. Limited inspection. Suppressed individuals.	No action required	Low	20+	C1
9	Beech	Fagus sylvatica	Semi mature	14	Est 270	2.2	2.2	2.2	2.2	2	Fair	Fair	Single stemmed and vertical with a balanced canopy. Limited inspection. Epicormic growth up stem. No major defects visible.	No action required	Low	20+	C1
10	Sycamore	Acer pseudoplatanus	Semi mature	14	To 150	3.23	4.49	3.49	0.2	0.5	Fair	Poor	Multiple stemmed at ground level with an unbalanced canopy. Limited inspection. Possible regeneration. Limited inspection. No major defects visible.	No action required	Low	20+	C1

11	Sycamore	Acer pseudoplatanus	Semi mature	14	To 150	3.1	2.05	1.97	3.31	1	Fair	Fair	Multiple stemmed at ground level with an unbalanced canopy. Possible regeneration. Limited inspection. No major defects visible.	No action required	Low	20+	C1
12	Sycamore	Acer pseudoplatanus	Early mature	14	280, 180, 150 x 3	3.7	3.52	2.95	3.49	1.5	Fair	Fair	multiple stemmed at ground level with an unbalanced canopy. Tight unions. Limited inspection. No major defects visible.	No action required	Low	20+	C1
13	Ash	Fraxinus excelsior	Mature	18	360 X 3 & 340	7.49	7.55	7.5	7.48	4	Good	Fair	Situated on adjacent land. Multiple stemmed at ground level with a balanced canopy. Appears healthy - good bud formation. Large bark wound at base with Coriolus veriscolour fungus brackets and decay present.	Monitor	Mod	10 to 20	B1
14	Sycamore	Acer pseudoplatanus	Early mature	16	320	3.99	4.57	3.52	3.4	2	Fair	Fair	Single stemmed and vertical with an unbalanced canopy. Minor epicormic growth. Slightly suppressed by T13. Limited inspection. No major defects visible.	No action required	Low	10 to 20	C1
15	Lime	Tilia sp	Semi mature	10	160, 150 & 100	1.15	0	2.66	3.84	1	Fair	Fair	Suppressed by T14. Situated on adjacent land. Multiple stemmed at ground level with an unbalanced canopy. Limited inspection.	No action required	Low	10 to 20	C1
16	Goat Willow	Salix caprea	Early mature	7	250, 180 x 3, 160 & 120	2.77	3.78	6.36	3.4	0	Fair	Fair	Multiple stemmed at ground level with an unbalanced canopy. Overhanging light. Scrappy tree. Fused and rubbing branches. Bark wounds throughout. Overhanging boundary. Growing on raised banking.	Monitor	Low	10 to 20	C1
17	Sycamore	Acer pseudoplatanus	Semi mature	6	To 130 x 3	0.9	2.83	4.49	1.87	0	Fair	Fair	Multiple stemmed at ground level with an unbalanced canopy. Growing out of banking. Stems reduced in past resulting in regrowth. Scrappy tree.	Monitor	Low	10 to 20	C1
18	Sycamore	Acer pseudoplatanus	Semi mature	7	To 160 x 6	1.98	5.55	3.81	1.41	0.5	Fair	Fair	Multiple stemmed at ground level with an unbalanced canopy. On banking. No major defects visible.	No action required	Low	10 to 20	C1
19	Sycamore	Acer pseudoplatanus	Semi mature	2.5	To 70 x 4	0.43	0.5	1	0.5	0	Poor	Poor	Multiple stemmed at ground level with an unbalanced canopy. Stems reduced in past. Scrappy tree.	No action required	Low	<10	C1
20	Sycamore	Acer pseudoplatanus	Early mature	12	290	2	2	2	2	2.5	Fair	Fair	Street tree. Not on site. Overhanging boundary. Single stemmed and vertical with an unbalanced canopy. No major defects visible.	No action required	Mod	20+	C1
21	Lime	Tilia sp	Semi mature	13	260	2.5	2.5	2.5	2.5	2.5	Good	Fair	Single stemmed and vertical with an unbalanced canopy. Minor bark wound. On adjacent land. No major defects visible.	No action required	Mod	20+	C1
22	Lime	Tilia sp	Early mature	14	350	2.8	2.8	2.8	2.8	2.5	Good	Fair	Single stemmed and vertical with an unbalanced canopy. No major defects visible.	No action required	Mod	20+	C1
23	Lime	Tilia sp	Early mature	14	310	2.5	2.5	2.5	2.5	2.5	Good	Fair	Single stemmed and vertical with an unbalanced canopy. No major defects visible.	No action required	Mod	20+	C1

## **Appendix 2:** Explanation of Tree Descriptions

### **Measurements**

**Tree height** is calculated in metres from ground level to the highest point of the tree.

**Stem diameter** is measured and rounded down to the nearest ten millimetres at 1.5m above ground level using a specialist measuring tape. Where a tree divides into multiple stems each stem will be measured.

**Canopy spread** is measured from the centre of the stem base to the tips of the branches in all four cardinal points using an electronic distometer.

**Crown clearance** is estimated in metres and is an indication of the lowest significant live branches of the crown.

**Age Class** is divided into young, semi-mature, early-mature, mature, over mature, and veteran.

**Physiological condition** is an assessment of the health and vigour of the tree.

**Structural condition** is an indication of the structural integrity of the tree. This is given as good, average or poor.

The observations column will include a brief description of each tree and provide further information as relevant.

The remaining contribution is a rough estimate of the number of years a tree is expected to survive in a structurally sound condition.

## **Retention Categories**

Category ratings are allocated based on the current quality and value of a tree in its current surroundings assuming the recommendations of this report are carried out. No consideration is given to any specific development proposal when allocating category ratings.

**Category A** trees are those which are of high quality and value, are in good structural and physiological condition and are expected to contribute for at least another 40 years.

**Category B** trees are those which would be considered as category A trees but which are of lower quality and value, poorer structural condition, and which are expected to contribute for at least 20 years.

**Category C** trees are those which are of low quality and value, are in poor condition, and are expected to contribute for at least 10 years.

**Category U** trees are those which are expected to contribute for less than 10 years due to serious defects. As is common in risk management, where there is doubt, the precautionary principle may be applied.

### **Sub-categories**

Sub- categories of 1, 2 or 3 are included in the tree data tables and are defined as follows:

**Sub-category 1** trees are those with 'mainly arboricultural value'

**Sub-category 2** trees are those with 'mainly landscape value'

**Sub-category 3** trees are those with 'mainly cultural or conservation value'

### **Appendix 3:** General Recommendations

All work must be to BS 3998:1989 - '*Recommendations for tree work*'.

This report is based upon a visual inspection. The consultant shall not be responsible for events which happen after this time due to factors which were not apparent at the time, and the acceptance of this report constitutes an agreement with the guidelines and the terms listed in this report.

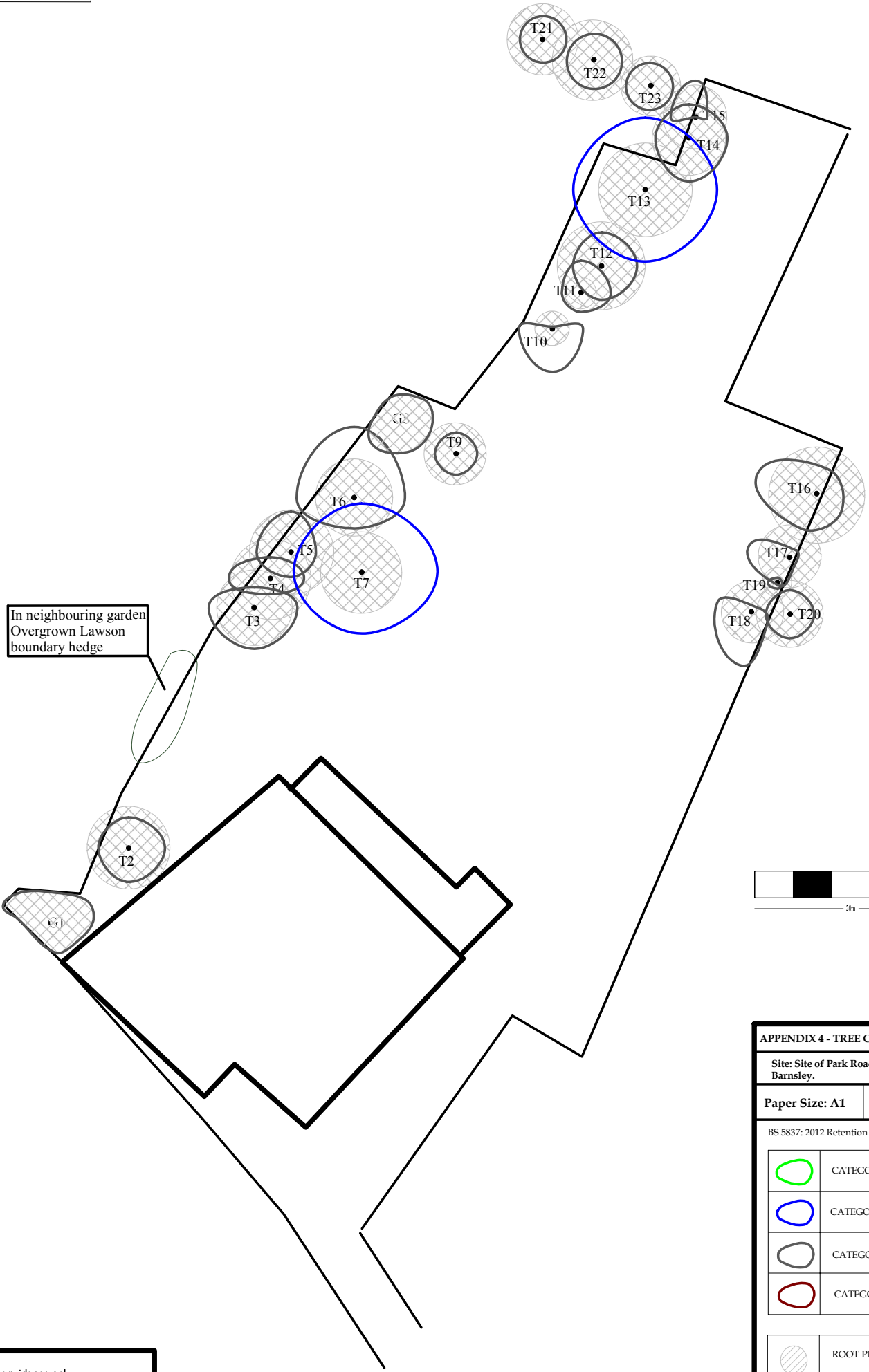
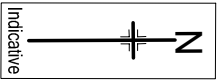
Any defects seen by a contractor or the employer that were not apparent to the consultant must be brought to the consultant's attention immediately.

It is advisable to have trees inspected by an arboricultural consultant regularly.

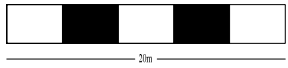
Site off Park Road  
Worsborough  
Barnsley



#### **Appendix 4:** Tree Constraints Plan



In neighbouring garden  
Overgrown Lawson  
boundary hedge



**APPENDIX 4 - TREE CONSTRAINTS PLAN**

Site: Site of Park Road, Worsbrough,  
Barnsley.

Paper Size: A1

Scale: 1:200

BS 5837: 2012 Retention Categories

	CATEGORY A
	CATEGORY B
	CATEGORY C
	CATEGORY U
	ROOT PROTECTION AREA
	TREE STEM

Please note:  
The plan is for guidance only  
and should not be scaled from.

The original of this drawing was produced  
in colour - a monochrome copy should not be  
relied upon.