

July 2021  
CBA11288 v3

Stephen Kirby

# ARBORICULTURAL DEVELOPMENT STATEMENT

Site:  
Newtown Court Farm  
Newbury



East Lodge, Leylands Business Park,  
Colden Common, Winchester, SO21 1TH  
Tel: 023 8098 6229 Email: [info@cbatrees.co.uk](mailto:info@cbatrees.co.uk)  
[www: cbatrees.co.uk](http://www.cbatrees.co.uk)  
*The Complete Arboricultural Consultancy*



## ARBORICULTURAL DEVELOPMENT STATEMENT

Arboricultural Implications Assessment and Method Statement  
guided by recommendations within BS5837:2012

---

Client:	Tompkins Rygole Ltd
Site:	Newtown Court Farm, Newbury, RG20 9AP
Arboricultural Consultant:	Stefan Rose <i>BSc (Hons), TechCert (Arbor.A), TechArborA</i>
Date:	July 2021

---

### SUMMARY

There is a development proposal for the erection of three dwellings (in addition to the existing dwelling and approved dwelling) with associated access and landscaping, and the erection of a detached garage for the existing dwelling at the site of Newtown Court Farm, Well Street, Newtown, Newbury, RG20 9AP. The proposal has been assessed broadly in accordance with BS5837:2012 "*Trees in Relation to Design, Demolition and Construction – Recommendations*".

This Arboricultural Development Statement (ADS) will demonstrate the protection measures for the trees and should be read in association with the Tree Protection Plan CBA11288.02B TPP that identifies tree retention and protection measures. It follows the initial tree survey assessment.

The emphasis of the report is predominantly that of preservation and tree protection. It identifies methodologies to provide protection for trees, to ensure their healthy and safe retention during and post development, as guided by BS5837:2012 and current best practice.

The tree survey exercise identified 38 (thirty-eight) individual trees, 18 (eighteen) groups of trees with 2 (two) noted trees within and 3 (three) hedges.

24 (twenty-four) individual trees, 12 (twelve) groups of trees and 2 (two) hedges will be retained as part of this application.

13 (thirteen) individual trees, 4 (four) groups of trees and 1 (one) hedge will be removed as part of this application.

In addition, and for clarity, 1 (one) individual tree, 1 (one) group of trees and the partial removal of 1 group and hedge have already been approved for removal under application 20/0174/FUL.

Provided the recommendations included within this report are strictly adhered to, CBA Trees believes the trees and groups highlighted for retention within this report can be retained without undue stress on their long-term health.

# **PART 1**

## **ARBORICULTURAL IMPLICATIONS ASSESSMENT**

---

### **CONTENTS**

**Section Title** **Page No.**

### **PART 1**

#### **ARBORICULTURAL IMPLICATIONS ASSESSMENT**

---

1.0	INTRODUCTION.....	3
2.0	CLIENT'S BRIEF.....	4
3.0	DESCRIPTION OF THE SITE .....	4
4.0	THE TREE STOCK.....	4
5.0	TREE PRESERVATION ORDER/CONSERVATION AREA.....	6
6.0	PROPOSED TREE RETENTION AND TREE LOSS.....	6
7.0	SUMMARY OF ARBORICULTURAL IMPLICATIONS.....	6

### **PART 2**

#### **ARBORICULTURAL / CONSTRUCTION METHOD STATEMENTS**

---

8.0	PRE-COMMENCEMENT SITE MEETING.....	13
9.0	ADDITIONAL ARBORICULTURAL ADVICE FOR SITE PERSONNEL.....	13
10.0	PRE-DEVELOPMENT TREE WORKS.....	13
11.0	TREE PROTECTION MEASURES.....	14
12.0	AVOIDING DAMAGE TO STEMS AND BRANCHES.....	17
13.0	EXISTING SERVICES.....	18
14.0	VEHICULAR MOVEMENTS.....	18
15.0	SITING OF TEMPORARY OFFICES, TOILETS AND MATERIAL STORAGE COMPOUNDS.....	18
16.0	GENERAL CONSIDERATIONS WITHIN AND OUTSIDE THE CONSTRUCTION EXCLUSION ZONE.....	19
17.0	GROUND LEVEL ALTERATIONS.....	19
18.0	REPORT DAMAGE TO TREES AND TREE PROTECTION BARRIERS .....	20
19.0	UTILITY SERVICE CONNECTIONS.....	20
20.0	INSTALLATION OF BOUNDARY TREATMENT .....	20
21.0	SOFT LANDSCAPING WORKS .....	21
22.0	REMOVAL OF PROTECTIVE MEASURES.....	23
23.0	SITE MONITORING AND SUPERVISION.....	23
24.0	CONCLUSIONS.....	24
25.0	CONTACT LIST .....	25
26.0	BIBLIOGRAPHY.....	25

#### **SUPPORTING INFORMATION/APPENDICES:**

CB1	Tree Survey Schedule and Tree Survey Plan CBA11288.01B TSP
CB2	Root Protection Area Schedule
CB3	Tree Protection Plan CBA11288.02B TPP
CB4	Tree Works Schedule

#### **GUIDING PRINCIPLES/APPENDICES:**

CB5	Tree Protection Guidance Leaflet
	Construction Exclusion Zone Site Notice
	Common Causes of Damage During Construction Works
CB6	Qualifications and Experience

## **PART 1**

### **ARBORICULTURAL IMPLICATIONS ASSESSMENT**

---

#### **1.0 INTRODUCTION**

1.1 There is a development proposal for the erection of three dwellings (in addition to the existing dwelling and approved dwelling) with associated access and landscaping, and the erection of a detached garage for the existing dwelling at the site of Newtown Court Farm, Well Street, Newtown, Newbury, RG20 9AP. The proposal has been assessed broadly in accordance with BS5837:2012 “*Trees in Relation to Design, Demolition and Construction – Recommendations*”.

1.2 Document disclosure provided by Edge Architecture:

- 210518-2022i 019 Scheme Overview
- 210518-2022i 102 Block Plan
- 210518-2022i 420 Site Overlay
- 210518-2022i 418 Trees and Hedges
- 210518-2022i 419 Vehicle access and parking

1.3 The client and project architects provided the original site plans and locations of the trees, and these have been the basis for the production of subsequent plans. Whilst CBA Trees has had a limited input in defining the contents of the development plan, it broadly conforms to the requirements of BS5837:2012 “*Trees in Relation to Design, Demolition and Construction – Recommendations*” and current best practice advice.

1.4 Our advice has been sought on the principles of the development in relation to the potential impact on the existing tree stock, to inform and to facilitate the development layout.

1.5 The CBA Trees arboricultural report dated June 2020 (ref: 11288\_2020-06-15 v1 ADS) formed part of the planning approval 20/01744/FUL with Condition 10 relating to trees:

**Condition 10:**

*10. Protective measures, including fencing, ground protection, supervision, working procedures and special engineering solutions shall be carried out in accordance with the Arboricultural Design Statement written by CBA Trees June 2020.*

*REASON: To ensure that reasonable measures are taken to safeguard trees in the interests of local amenity and the enhancement of the development itself, in accordance with the National Planning Policy Framework and Policy EM1 of the Basingstoke and Deane Local Plan 2011- 2029.*

1.6 Some of the trees have been previously detailed for removal as part of the planning approval 20/01744/FUL and are included within this statement for clarity of tree retentions and removals across the site.

## **PART 1**

### **ARBORICULTURAL IMPLICATIONS ASSESSMENT**

---

#### **2.0 CLIENT'S BRIEF**

- 2.1 In line with our written quotation and verbal instructions, information has been compiled in accordance with BS5837:2012 and current best practice advice.
- To undertake a Tree Survey appended at CB1.
  - To produce a Root Protection Area Schedule, appended at CB2.
  - To produce an AutoCAD compliant Tree Survey Plan that relies on the accuracy of the topographical survey provided by the client (plan CBA11288.01B TSP appended with the tree survey schedule at CB1).
  - To undertake an Arboricultural Implications Assessment (AIA) of the proposed development provided by the client to identify which trees will be lost, which can be retained and suggest mitigating build techniques in order to retain trees as appropriate.
  - Based on the above and further on-going discussions, to provide an Arboricultural Development Statement detailing the methodologies for the retention of the tree stock where feasible, in relation to the approved development layout including a Tree Protection Plan (CBA11288.02B TPP appended at CB3).
- 2.2 The advice provided has been formulated without discussion with the main ground or construction contractors who at this stage have not been appointed. Once the main contractors are appointed, amendments to this statement may be required for construction purposes. All amendments will be assessed by the retained arboricultural consultant and approved in writing by Basingstoke and Deane Borough Council Planning Officer/Tree Officer.

#### **3.0 DESCRIPTION OF THE SITE**

- 3.1 The site is located within the rural setting of Newtown, to the south of Newbury.
- 3.2 The site is currently a large residential plot with the existing dwelling located to the eastern side of the plot. The existing dwelling is set on land that is higher than the western side of the site.
- 3.3 The site is currently accessed off the public highway via a shared driveway with a neighbouring property which then leads to a private driveway that effectively divides the front garden area.
- 3.4 The more dominant trees are located around the perimeter of the site and off site. The one dominating tree on site is an Oak that is growing adjacent to the existing driveway and to the west of the existing dwelling.

#### **4.0 THE TREE STOCK**

## **PART 1**

### **ARBORICULTURAL IMPLICATIONS ASSESSMENT**

---

4.1 CBA Trees undertook a tree survey in October 2019, which was subsequently updated on 3<sup>rd</sup> March 2021. The tree survey exercises identified 38 (thirty eight) individual trees, 18 (eighteen) groups of trees with 2 (two) noted trees within and 3 (three) hedges. The Tree Survey Schedule and Tree Survey Plan (CBA11288.01B TSP) are appended at CB1.

#### 4.2 **Tree Categorisation Method**

**Category U =** Trees in such a condition that any value would be lost within 10 years, or should be removed for reasons of sound arboricultural management. The following were classified as 'U' grade at the time of surveying:

**Individual Trees:** 24 and 26

*NOTE: "Category U trees are those in such a condition they cannot realistically be retained as living trees in the context of the current land use for longer than 10 years."*

**Category A =** Trees of high quality and value: in such a condition as to make a substantial contribution, (40 years or more is recommended). There were no trees, groups or hedges classified as 'U' grade at the time of surveying.

**Category B =** Trees of moderate quality and value, capable of making a significant contribution for in excess of 20 years. The following were classified as moderate 'B' grade category at the time of surveying:

**Individual Trees:** 1, 2, 3, 12, 14, 20, 22, 28, 29 and 30

**Groups:** 6, 7, 10, 14 and 17

**Noted Trees:** G10.1 and G10.2

**Hedges:** 1 and 3

**Category C =** Trees of low quality and value which might remain for a minimum of 10 years or young trees with stems of less than 150mm diameter. The following were classified as low 'C' grade category at the time of surveying:

**Individual Trees:** 4, 5, 6, 7, 8, 9, 10, 11, 13, 15, 16, 17, 18, 19, 21, 23, 25, 27, 31, 32, 33, 34, 35, 36, 37 and 38

**Groups:** 1, 2, 3, 4, 5, 8, 9, 11, 12, 13, 15, 16 and 18

**Hedge:** 2

*NOTE: "Trees under these categories are trees that should be a material consideration in the development process; the subcategories are intended to reflect arboricultural, landscape and cultural values respectively."*

4.3 For more details of the existing tree stock, refer to the Tree Survey Schedule (appended at CB1).

**PART 1**  
**ARBORICULTURAL IMPLICATIONS ASSESSMENT**

---

**5.0 TREE PRESERVATION ORDER/CONSERVATION AREA**

- 5.1 An online check of the available information provide on the Basingstoke and Deane Borough Council's website indicates that at the time of enquiry the site is not within a Conservation Area nor are the trees protected by a Tree Preservation Order.
- 5.2 If it is intended to carry out works to trees prior to the granting of Full Planning Consent and Discharge of Planning Conditions that detail specific tree work it is advised that checks are made with Basingstoke and Deane Borough Council prior to tree works being completed to confirm the legal protection status of the trees on and adjacent to the site and that appropriate applications have been made and allowed/granted.

**6.0 PROPOSED TREE RETENTION AND TREE LOSS**

- 6.1 In accordance with the recommendations contained within BS5837:2012, an experienced arboriculturalist has assessed the requirements for tree protection and the Root Protection Area (RPA). The implications of the proposed development are detailed below, along with any mitigating measures to ensure the retention of these trees.
- 6.2 As part of the assessment, dimensions have been scaled from the drawing (210630-2022i-419 provided by Edge Architecture) prepared and modified, to include the relevant tree survey data (tree protection plan CBA11288.02B TPP appended at CB3).

**7.0 SUMMARY OF ARBORICULTURAL IMPLICATIONS**

7.1 The following is a summary of arboricultural implications as indicated on Tree Protection Plan CBA11288.02B TPP.

7.2 **Table 1:** Arboricultural Implications

<i>Tree No.</i>	<i>Species</i>	<i>BS 5837:2012 Cat</i>	<i>Potential cause of harm</i>	<i>Implication</i>	<i>Mitigation</i>
1	Pedunculate Oak <i>Quercus robur</i>	B1+2	<ul style="list-style-type: none"> <li>• Installation of new services</li> <li>• General construction activity</li> <li>• Material storage and mixing</li> <li>• Boundary treatment</li> <li>• Contractor access</li> <li>• Driveway realignment damaging roots, rooting environment and crown</li> <li>• Retaining wall features</li> </ul>	<ul style="list-style-type: none"> <li>• Retained</li> </ul>	<ul style="list-style-type: none"> <li>• Protected as detailed in Part 2 below and as indicated on Tree Protection Plan CBA11288.02B TPP</li> <li>• No dig and porous construction solution for driveway realignment</li> <li>• Boundary/retaining wall features to use vertical dig methods</li> </ul>

## PART 1

### ARBORICULTURAL IMPLICATIONS ASSESSMENT

Tree No.	Species	BS 5837:2012 Cat	Potential cause of harm	Implication	Mitigation
2	Common Hawthorn <i>Crataegus monogyna</i>	B1+2	<ul style="list-style-type: none"> <li>• Installation of new services</li> <li>• General construction activity</li> <li>• Material storage and mixing</li> <li>• Working space to construct new garage</li> </ul>	<ul style="list-style-type: none"> <li>• Removed</li> </ul>	<ul style="list-style-type: none"> <li>• Low quality tree</li> <li>• Replacement planting</li> </ul>
3	Horse Chestnut <i>Aesculus hippocastanum</i>	B1+2	<ul style="list-style-type: none"> <li>• Installation of new services</li> <li>• General construction activity</li> <li>• Material storage and mixing</li> <li>• Working space to construct new garage</li> <li>• Minor infringement of rooting area for new garage</li> </ul>	<ul style="list-style-type: none"> <li>• Retained</li> </ul>	<ul style="list-style-type: none"> <li>• Protected as detailed in Part 2 below and as indicated on Tree Protection Plan CBA11288.02B TPP and confines of the site</li> <li>• Fit for purpose ground protection</li> <li>• Specialist foundation design for garage to reduce impact on roots and rooting environment</li> </ul>
4	Spruce <i>Picea spp</i>	C1+2	<ul style="list-style-type: none"> <li>• Installation of new services</li> <li>• Infringement of rooting area for new garage damaging roots and rooting environment</li> <li>• Working space to construct new garage</li> </ul>	<ul style="list-style-type: none"> <li>• Removed</li> </ul>	<ul style="list-style-type: none"> <li>• Low quality tree</li> <li>• Replacement planting</li> </ul>
5	Common Whitebeam <i>Sorbus aria</i>	C1	<ul style="list-style-type: none"> <li>• Infringement of rooting area for new garage and driveway damaging roots and rooting environment</li> <li>• Working space to construct new garage</li> </ul>	<ul style="list-style-type: none"> <li>• Removed</li> </ul>	<ul style="list-style-type: none"> <li>• Low quality tree</li> <li>• Replacement planting</li> </ul>
6	Pedunculate Oak <i>Quercus robur</i>	C1+2	<ul style="list-style-type: none"> <li>• General construction activity</li> <li>• Material storage and mixing</li> </ul>	<ul style="list-style-type: none"> <li>• Retained</li> </ul>	<ul style="list-style-type: none"> <li>• Protected as detailed in Part 2 below and as indicated on Tree Protection Plan CBA11288.02B TPP</li> </ul>
7	Common Beech <i>Fagus sylvatica</i>	C1+2	<ul style="list-style-type: none"> <li>• General construction activity</li> <li>• Material storage and mixing</li> </ul>	<ul style="list-style-type: none"> <li>• Retained</li> </ul>	<ul style="list-style-type: none"> <li>• Protected as detailed in Part 2 below and as indicated on Tree Protection Plan CBA11288.02B TPP</li> </ul>
8	Common Ash <i>Fraxinus excelsior</i>	C1+2	<ul style="list-style-type: none"> <li>• Installation of new services</li> <li>• General construction activity</li> <li>• Material storage and mixing</li> <li>• Minor infringement of rooting area for working space</li> <li>• Minor infringement of rooting area for driveway</li> </ul>	<ul style="list-style-type: none"> <li>• Retained</li> </ul>	<ul style="list-style-type: none"> <li>• Protected as detailed in Part 2 below and as indicated on Tree Protection Plan CBA11288.02B TPP</li> </ul>
9	Common Elder <i>Sambucus nigra</i>	C1	<ul style="list-style-type: none"> <li>• Installation of new services</li> <li>• General construction activity</li> <li>• Material storage and mixing</li> <li>• Minor infringement of rooting area for driveway</li> </ul>	<ul style="list-style-type: none"> <li>• Retained</li> </ul>	<ul style="list-style-type: none"> <li>• Protected as detailed in Part 2 below and as indicated on Tree Protection Plan CBA11288.02B TPP</li> </ul>
10	Rowan <i>Sorbus aucuparia</i>	C1+2	<ul style="list-style-type: none"> <li>• Installation of new services</li> <li>• General construction activity</li> <li>• Material storage and mixing</li> </ul>	<ul style="list-style-type: none"> <li>• Retained within application 20/0174/FUL</li> </ul>	<ul style="list-style-type: none"> <li>• Protected as detailed in Part 2 below and as indicated on Tree Protection Plan CBA11288.02 TPP and/or CBA11288.02B TPP</li> </ul>



**PART 1**  
**ARBORICULTURAL IMPLICATIONS ASSESSMENT**

<b>Tree No.</b>	<b>Species</b>	<b>BS 5837:2012 Cat</b>	<b>Potential cause of harm</b>	<b>Implication</b>	<b>Mitigation</b>
11	Cherry <i>Prunus spp</i>	C1	<ul style="list-style-type: none"> <li>• Installation of new services</li> <li>• General construction activity</li> <li>• Material storage and mixing</li> <li>• Pruning of crown for dwelling and construction space</li> </ul>	<ul style="list-style-type: none"> <li>• Removed within application 20/0174/FUL</li> </ul>	<ul style="list-style-type: none"> <li>• Removed under consented application 20/0174/FUL</li> </ul>
12	Horse Chestnut <i>Aesculus hippocastanum</i>	B1+2	<ul style="list-style-type: none"> <li>• Installation of new services</li> <li>• General construction activity</li> <li>• Material storage and mixing</li> </ul>	<ul style="list-style-type: none"> <li>• Retained within application 20/0174/FUL</li> </ul>	<ul style="list-style-type: none"> <li>• Protected as detailed in Part 2 below and as indicated on Tree Protection Plan CBA11288.02 TPP and/or CBA11288.02B TPP</li> </ul>
13	Red Oak <i>Quercus rubra</i>	C1+2	<ul style="list-style-type: none"> <li>• Installation of new services</li> <li>• General construction activity</li> <li>• Material storage and mixing</li> </ul>	<ul style="list-style-type: none"> <li>• Retained within application 20/0174/FUL</li> </ul>	<ul style="list-style-type: none"> <li>• Protected as detailed in Part 2 below and as indicated on Tree Protection Plan CBA11288.02 TPP and/or CBA11288.02B TPP</li> <li>• Crown lift to provide better garden space beneath crown</li> </ul>
14	Weeping Willow <i>Salix x chrysocoma</i>	B1+2	<ul style="list-style-type: none"> <li>• Installation of new services</li> <li>• General construction activity</li> <li>• Material storage and mixing</li> <li>• Boundary treatment</li> <li>• Driveway realignment damaging roots, rooting environment and crown</li> </ul>	<ul style="list-style-type: none"> <li>• Retained</li> </ul>	<ul style="list-style-type: none"> <li>• Protected as detailed in Part 2 below and as indicated on Tree Protection Plan CBA11288.02 TPP and/or CBA11288.02B TPP</li> <li>• No dig and porous construction solution for driveway realignment</li> <li>• Crown lift to provide better garden space beneath crown</li> </ul>
15	Flowering Cherry <i>Prunus spp</i>	C1+2	<ul style="list-style-type: none"> <li>• Under footprint of development</li> </ul>	<ul style="list-style-type: none"> <li>• Removed</li> </ul>	<ul style="list-style-type: none"> <li>• Low quality tree</li> <li>• Replacement planting</li> </ul>
16	Flowering Cherry <i>Prunus spp</i>	C1+2	<ul style="list-style-type: none"> <li>• Under footprint of development</li> </ul>	<ul style="list-style-type: none"> <li>• Removed</li> </ul>	<ul style="list-style-type: none"> <li>• Low quality tree</li> <li>• Replacement planting</li> </ul>
17	Flowering Cherry <i>Prunus spp</i>	C1+2	<ul style="list-style-type: none"> <li>• Under footprint of development</li> </ul>	<ul style="list-style-type: none"> <li>• Removed</li> </ul>	<ul style="list-style-type: none"> <li>• Low quality tree</li> <li>• Replacement planting</li> </ul>
18	Flowering Cherry <i>Prunus spp</i>	C1+2	<ul style="list-style-type: none"> <li>• Under footprint of development</li> </ul>	<ul style="list-style-type: none"> <li>• Removed</li> </ul>	<ul style="list-style-type: none"> <li>• Low quality tree</li> <li>• Replacement planting</li> </ul>
19	Flowering Cherry <i>Prunus spp</i>	C1+2	<ul style="list-style-type: none"> <li>• Installation of new services</li> <li>• General construction activity</li> <li>• Material storage and mixing</li> <li>• Boundary treatment construction</li> <li>• Driveway realignment damaging roots, rooting environment and crown</li> </ul>	<ul style="list-style-type: none"> <li>• Retained</li> </ul>	<ul style="list-style-type: none"> <li>• Protected as detailed in Part 2 below and as indicated on Tree Protection Plan CBA11288.02B TPP</li> </ul>
20	Sweet Gum <i>Liquidambar styraciflua</i>	B1+2	<ul style="list-style-type: none"> <li>• Under footprint of development</li> </ul>	<ul style="list-style-type: none"> <li>• Removed</li> </ul>	<ul style="list-style-type: none"> <li>• Replacement planting</li> </ul>
21	Crab Apple <i>Malus sylvestris</i>	C1+2	<ul style="list-style-type: none"> <li>• Installation of new services</li> <li>• General construction activity</li> <li>• Material storage and mixing</li> <li>• Driveway realignment damaging roots, rooting environment and crown</li> </ul>	<ul style="list-style-type: none"> <li>• Retained</li> </ul>	<ul style="list-style-type: none"> <li>• Protected as detailed in Part 2 below and as indicated on Tree Protection Plan CBA11288.02B TPP</li> </ul>

## PART 1 ARBORICULTURAL IMPLICATIONS ASSESSMENT

Tree No.	Species	BS 5837:2012 Cat	Potential cause of harm	Implication	Mitigation
22	Scots Pine <i>Pinus sylvestris</i>	B1+2	<ul style="list-style-type: none"> <li>• Installation of new services</li> <li>• General construction activity</li> <li>• Material storage and mixing</li> <li>• Boundary treatment</li> <li>• Driveway realignment damaging roots, rooting environment and crown</li> </ul>	<ul style="list-style-type: none"> <li>• Retained</li> </ul>	<ul style="list-style-type: none"> <li>• Protected as detailed in Part 2 below and as indicated on Tree Protection Plan CBA11288.02B TPP</li> <li>• No dig and porous construction solution for driveway realignment</li> </ul>
23	Horse Chestnut <i>Aesculus hippocastanum</i>	C1+2	<ul style="list-style-type: none"> <li>• Installation of new services</li> <li>• General construction activity</li> <li>• Material storage and mixing</li> <li>• Boundary treatment</li> <li>• Retaining wall</li> </ul>	<ul style="list-style-type: none"> <li>• Retained</li> </ul>	<ul style="list-style-type: none"> <li>• Protected as detailed in Part 2 below and as indicated on Tree Protection Plan CBA11288.02B TPP</li> <li>• Vertical construction retaining wall required</li> </ul>
24	Common Ash Common Sycamore	U	<ul style="list-style-type: none"> <li>• Removed due to limited useful life expectancy</li> </ul>	<ul style="list-style-type: none"> <li>• Removed</li> </ul>	<ul style="list-style-type: none"> <li>• Replacement planting</li> </ul>
25	Common Sycamore <i>Acer pseudoplatanus</i>	C1	<ul style="list-style-type: none"> <li>• Installation of new services</li> <li>• General construction activity</li> <li>• Material storage and mixing</li> </ul>	<ul style="list-style-type: none"> <li>• Retained</li> </ul>	<ul style="list-style-type: none"> <li>• Protected as detailed in Part 2 below and as indicated on Tree Protection Plan CBA11288.02B TPP</li> </ul>
26	Common Sycamore <i>Acer pseudoplatanus</i>	U	<ul style="list-style-type: none"> <li>• Removed due to limited useful life expectancy</li> </ul>	<ul style="list-style-type: none"> <li>• Removed</li> </ul>	<ul style="list-style-type: none"> <li>• Replacement planting</li> </ul>
27	Common Sycamore <i>Acer pseudoplatanus</i>	C1+2 Interim	<ul style="list-style-type: none"> <li>• General construction activity</li> <li>• Material storage and mixing</li> </ul>	<ul style="list-style-type: none"> <li>• Retained</li> </ul>	<ul style="list-style-type: none"> <li>• Protected as detailed in Part 2 below and as indicated on Tree Protection Plan CBA11288.02B TPP</li> </ul>
28	Scots Pine <i>Pinus sylvestris</i>	B1+2 Interim	<ul style="list-style-type: none"> <li>• General construction activity</li> <li>• Material storage and mixing</li> </ul>	<ul style="list-style-type: none"> <li>• Retained</li> </ul>	<ul style="list-style-type: none"> <li>• Protected as detailed in Part 2 below and as indicated on Tree Protection Plan CBA11288.02B TPP</li> </ul>
29	Scots Pine <i>Pinus sylvestris</i>	B1+2 Interim	<ul style="list-style-type: none"> <li>• General construction activity</li> <li>• Material storage and mixing</li> </ul>	<ul style="list-style-type: none"> <li>• Retained</li> </ul>	<ul style="list-style-type: none"> <li>• Protected as detailed in Part 2 below and as indicated on Tree Protection Plan CBA11288.02B TPP</li> </ul>
30	Norway Spruce <i>Picea abies</i>	B1+2	<ul style="list-style-type: none"> <li>• General construction activity</li> <li>• Material storage and mixing</li> </ul>	<ul style="list-style-type: none"> <li>• Retained</li> </ul>	<ul style="list-style-type: none"> <li>• Protected as detailed in Part 2 below and as indicated on Tree Protection Plan CBA11288.02B TPP</li> </ul>
31	Western Red Cedar <i>Thuja plicata</i>	C1+2	<ul style="list-style-type: none"> <li>• General construction activity</li> <li>• Material storage and mixing</li> </ul>	<ul style="list-style-type: none"> <li>• Retained</li> </ul>	<ul style="list-style-type: none"> <li>• Protected as detailed in Part 2 below and as indicated on Tree Protection Plan CBA11288.02B TPP</li> </ul>
32	Rowan <i>Sorbus aucuparia</i>	C1+2	<ul style="list-style-type: none"> <li>• Installation of new services</li> <li>• General construction activity</li> <li>• Material storage and mixing</li> <li>• Working space</li> <li>• Side footpath has minor infringement of rooting area</li> </ul>	<ul style="list-style-type: none"> <li>• Retained</li> </ul>	<ul style="list-style-type: none"> <li>• Protected as detailed in Part 2 below and as indicated on Tree Protection Plan CBA11288.02B TPP</li> </ul>
33	Common Ash <i>Fraxinus excelsior</i>	C1+2	<ul style="list-style-type: none"> <li>• Installation of new services</li> <li>• General construction activity</li> <li>• Material storage and mixing</li> <li>• Working space</li> </ul>	<ul style="list-style-type: none"> <li>• Retained</li> </ul>	<ul style="list-style-type: none"> <li>• Protected as detailed in Part 2 below and as indicated on Tree Protection Plan CBA11288.02B TPP</li> </ul>

**PART 1**  
**ARBORICULTURAL IMPLICATIONS ASSESSMENT**

<i>Tree No.</i>	<i>Species</i>	<i>BS 5837:2012 Cat</i>	<i>Potential cause of harm</i>	<i>Implication</i>	<i>Mitigation</i>
34	Common Ash <i>Fraxinus excelsior</i>	C1+2	<ul style="list-style-type: none"> <li>• General construction activity</li> <li>• Material storage and mixing</li> </ul>	<ul style="list-style-type: none"> <li>• Retained</li> </ul>	<ul style="list-style-type: none"> <li>• Low quality tree</li> <li>• Replacement planting</li> </ul>
35	Goat Willow <i>Salix caprea</i>	C1+2	<ul style="list-style-type: none"> <li>• Installation of new services</li> <li>• Infringement of rooting area for new garage</li> <li>• Working space to construct new garage</li> </ul>	<ul style="list-style-type: none"> <li>• Removed</li> </ul>	<ul style="list-style-type: none"> <li>• Low quality tree</li> <li>• Replacement planting</li> </ul>
36	Wild Cherry <i>Prunus avium</i>	C1+2	<ul style="list-style-type: none"> <li>• Installation of new services</li> <li>• Infringement of rooting area for new garage and parking area damaging roots and rooting environment</li> <li>• Working space to construct new garage</li> </ul>	<ul style="list-style-type: none"> <li>• Removed</li> </ul>	<ul style="list-style-type: none"> <li>• Low quality tree</li> <li>• Replacement planting</li> </ul>
37	Flowering Cherry <i>Prunus spp</i>	C1+2	<ul style="list-style-type: none"> <li>• Installation of new services</li> <li>• Working space to construct new garage</li> </ul>	<ul style="list-style-type: none"> <li>• Retained</li> </ul>	<ul style="list-style-type: none"> <li>• Protected as detailed in Part 2 below and as indicated on Tree Protection Plan CBA11288.02B TPP</li> </ul>
38	Magnolia <i>Magnolia spp</i>	C1+2	<ul style="list-style-type: none"> <li>• Installation of new services</li> <li>• Infringement of rooting area for new garage and parking area damaging roots and rooting environment</li> <li>• Working space to construct new garage</li> </ul>	<ul style="list-style-type: none"> <li>• Removed</li> </ul>	<ul style="list-style-type: none"> <li>• Low quality tree</li> <li>• Replacement planting</li> </ul>
Grp 1	Pear Apple Camellia	C1	<ul style="list-style-type: none"> <li>• Unaffected by proposal</li> </ul>	<ul style="list-style-type: none"> <li>• Retained</li> </ul>	<ul style="list-style-type: none"> <li>• Protected as detailed in Part 2 below and as indicated on Tree Protection Plan CBA11288.02B TPP and confines of the site</li> </ul>
Grp 2	Common Ash x4	C1+2	<ul style="list-style-type: none"> <li>• Unaffected by proposal</li> </ul>	<ul style="list-style-type: none"> <li>• Retained</li> </ul>	<ul style="list-style-type: none"> <li>• Protected as detailed in Part 2 below and as indicated on Tree Protection Plan CBA11288.02B TPP and confines of the site</li> </ul>
Grp 3	Lawson Cypress	C1+2	<ul style="list-style-type: none"> <li>• Underfoot print of development</li> <li>• Garden space</li> <li>• Infringement of rooting area for driveway and dwelling damaging roots and rooting environment</li> <li>• Working space to construct new dwelling</li> </ul>	<ul style="list-style-type: none"> <li>• Removed</li> </ul>	<ul style="list-style-type: none"> <li>• Replacement planting</li> </ul>
Grp 4	Cherry Laurel Common Holly Plum Hawthorn	C2	<ul style="list-style-type: none"> <li>• Working space to construct new dwelling</li> </ul>	<ul style="list-style-type: none"> <li>• Retained</li> </ul>	<ul style="list-style-type: none"> <li>• Protected as detailed in Part 2 below and as indicated on Tree Protection Plan CBA11288.02B TPP</li> </ul>
Grp 5	Cherry Laurel	C2	<ul style="list-style-type: none"> <li>• Construction of new access and driveway</li> <li>• Installation of new services</li> <li>• General construction activity</li> <li>• Material storage and mixing</li> </ul>	<ul style="list-style-type: none"> <li>• Retained</li> </ul>	<ul style="list-style-type: none"> <li>• Protected as detailed in Part 2 below and as indicated on Tree Protection Plan CBA11288.02B TPP</li> </ul>

**PART 1**  
**ARBORICULTURAL IMPLICATIONS ASSESSMENT**

<i>Tree No.</i>	<i>Species</i>	<i>BS 5837:2012 Cat</i>	<i>Potential cause of harm</i>	<i>Implication</i>	<i>Mitigation</i>
Grp 6	Pedunculate Oak	B1+2	<ul style="list-style-type: none"> <li>• Construction of new access and driveway</li> <li>• Installation of new services</li> <li>• General construction activity</li> <li>• Contractor access utilises existing shared access</li> <li>• Material storage and mixing</li> </ul>	<ul style="list-style-type: none"> <li>• Retained within application 20/0174/FUL and in this application</li> </ul>	<ul style="list-style-type: none"> <li>• Protected as detailed in Part 2 below and as indicated on Tree Protection Plan CBA11288.02 TPP and/or CBA11288.02B TPP</li> </ul>
Grp 7	Pedunculate Oak x3	B1+2	<ul style="list-style-type: none"> <li>• Unaffected by proposal</li> </ul>	<ul style="list-style-type: none"> <li>• Retained</li> </ul>	<ul style="list-style-type: none"> <li>• Offsite</li> </ul>
Grp 8	Apple Cherry	C1+2	<ul style="list-style-type: none"> <li>• Underfoot print of development</li> </ul>	<ul style="list-style-type: none"> <li>• Removed within application 20/0174/FUL</li> </ul>	<ul style="list-style-type: none"> <li>• Removed under consented application 20/0174/FUL</li> </ul>
Grp 9	Sycamore Hazel Elder	C1+2	<ul style="list-style-type: none"> <li>• Installation of new services</li> <li>• General construction activity</li> <li>• Material storage and mixing</li> <li>• Working space to construct new garage</li> <li>• Minor infringement of rooting area for new garage</li> </ul>	<ul style="list-style-type: none"> <li>• Retained</li> </ul>	<ul style="list-style-type: none"> <li>• Protected as detailed in Part 2 below and as indicated on Tree Protection Plan CBA11288.02B TPP and confines of the site</li> <li>• Fit for purpose ground protection</li> <li>• Specialist foundation design for garage to reduce impact on roots and rooting environment</li> </ul>
Grp 10	Sycamore	C1	<ul style="list-style-type: none"> <li>• Installation of new services</li> <li>• General construction activity</li> <li>• Material storage and mixing</li> <li>• Working space to construct new garage</li> <li>• Minor infringement of rooting area for new garage</li> <li>• Retaining wall</li> </ul>	<ul style="list-style-type: none"> <li>• Retained</li> </ul>	<ul style="list-style-type: none"> <li>• Protected as detailed in Part 2 below and as indicated on Tree Protection Plan CBA11288.02B TPP and confines of the site</li> <li>• Vertical construction retaining wall required</li> <li>• Infringement of rooting area is similar to existing built form</li> </ul>
G10.1	Sycamore	C1+2	<ul style="list-style-type: none"> <li>• Installation of new services</li> <li>• General construction activity</li> <li>• Material storage and mixing</li> <li>• Working space to construct new garage</li> <li>• Minor infringement of rooting area for new garage</li> <li>• Retaining wall</li> </ul>	<ul style="list-style-type: none"> <li>• Retained</li> </ul>	<ul style="list-style-type: none"> <li>• Protected as detailed in Part 2 below and as indicated on Tree Protection Plan CBA11288.02B TPP and confines of the site</li> <li>• Vertical construction retaining wall required</li> <li>• Infringement of rooting area is similar to existing built form</li> </ul>
G10.2	Sycamore	C1+2	<ul style="list-style-type: none"> <li>• Installation of new services</li> <li>• General construction activity</li> <li>• Material storage and mixing</li> <li>• Working space to construct new garage</li> <li>• Minor infringement of rooting area for new garage</li> <li>• Retaining wall</li> </ul>	<ul style="list-style-type: none"> <li>• Retained</li> </ul>	<ul style="list-style-type: none"> <li>• Protected as detailed in Part 2 below and as indicated on Tree Protection Plan CBA11288.02B TPP and confines of the site</li> <li>• Vertical construction retaining wall required</li> <li>• Infringement of rooting area is similar to existing built form</li> </ul>

## PART 1 ARBORICULTURAL IMPLICATIONS ASSESSMENT

Tree No.	Species	BS 5837:2012 Cat	Potential cause of harm	Implication	Mitigation
Grp 11	Common Hazel Common Sycamore Common Holly Common Elder Blackthorn Holm Oak Silver Birch	C2	<ul style="list-style-type: none"> <li>Parts underfoot print of development</li> <li>Garden space</li> </ul>	<ul style="list-style-type: none"> <li>Removed</li> </ul>	<ul style="list-style-type: none"> <li>Replacement planting</li> </ul>
Grp 12	Common Holly Common Hazel	C2	<ul style="list-style-type: none"> <li>Installation of new services</li> <li>General construction activity</li> <li>Material storage and mixing</li> <li>Working space to construct new dwelling, garage and driveway</li> <li>Minor infringement of rooting area for new garage</li> <li>Retaining wall</li> </ul>	<ul style="list-style-type: none"> <li>Retained</li> </ul>	<ul style="list-style-type: none"> <li>Protected as detailed in Part 2 below and as indicated on Tree Protection Plan CBA11288.02B TPP and confines of the site</li> <li>Vertical construction retaining wall required</li> </ul>
Grp 13	Common Holly Cherry Laurel Common Hazel	B1+2	<ul style="list-style-type: none"> <li>Underfoot print of development</li> <li>Garden space</li> </ul>	<ul style="list-style-type: none"> <li>Removed</li> </ul>	<ul style="list-style-type: none"> <li>Replacement planting</li> </ul>
Grp 14	Sycamore Cherry Laurel Common Holly Robinia Scots Pine	B1+2	<ul style="list-style-type: none"> <li>Installation of new services</li> <li>General construction activity</li> <li>Material storage and mixing</li> </ul>	<ul style="list-style-type: none"> <li>Retained</li> </ul>	<ul style="list-style-type: none"> <li>Protected as detailed in Part 2 below and as indicated on Tree Protection Plan CBA11288.02B TPP and confines of the site</li> </ul>
Grp 15	Cherry Laurel Common Hazel Common Holly	C1+2	<ul style="list-style-type: none"> <li>Underfoot print of development</li> <li>Garden space</li> </ul>	<ul style="list-style-type: none"> <li>Removed</li> </ul>	<ul style="list-style-type: none"> <li>Replacement planting</li> </ul>
Grp 16	Magnolia Plum Common Ash	C1+2	<ul style="list-style-type: none"> <li>General construction activity</li> <li>Material storage and mixing</li> </ul>	<ul style="list-style-type: none"> <li>Retained</li> </ul>	<ul style="list-style-type: none"> <li>Protected as detailed in Part 2 below and as indicated on Tree Protection Plan CBA11288.02B TPP</li> </ul>
Grp 17	Common Ash Common Holly Cherry Laurel Scots Pine	B1+2	<ul style="list-style-type: none"> <li>Unaffected by proposal</li> </ul>	<ul style="list-style-type: none"> <li>Retained</li> </ul>	<ul style="list-style-type: none"> <li>Offsite</li> </ul>
Grp 18	Common Ash x4	B1+2	<ul style="list-style-type: none"> <li>General construction activity</li> <li>Material storage and mixing</li> </ul>	<ul style="list-style-type: none"> <li>Retained</li> </ul>	<ul style="list-style-type: none"> <li>Low quality tree</li> <li>Replacement planting</li> </ul>
H1	Common Beech Privet	B2	<ul style="list-style-type: none"> <li>Provision of new garden space</li> <li>Installation of new services</li> <li>Construction of new dwelling and driveway (approved)</li> <li>General construction activity</li> <li>Material storage and mixing</li> </ul>	<ul style="list-style-type: none"> <li>Removed</li> </ul>	<ul style="list-style-type: none"> <li>Section removed as indicated on plan CBA11288.02 TPP - Removed under consented application 20/0174/FUL</li> <li>Remaining section removed for this proposal</li> <li>Replacement planting to create even age formal hedging</li> </ul>
H2	Hawthorn Hazel Common Beech Holly Plum Privet	C2	<ul style="list-style-type: none"> <li>Installation of new services</li> <li>General construction activity</li> <li>Material storage and mixing</li> </ul>	<ul style="list-style-type: none"> <li>Retained within application 20/0174/FUL</li> </ul>	<ul style="list-style-type: none"> <li>Protected as detailed in Part 2 below and as indicated on Tree Protection Plan CBA11288.02 TPP and/or CBA11288.02B TPP</li> </ul>
H3	Common Hawthorn Common Beech Common Holly	B2	<ul style="list-style-type: none"> <li>Installation of new services</li> <li>General construction activity</li> <li>Material storage and mixing</li> </ul>	<ul style="list-style-type: none"> <li>Retained within application 20/0174/FUL</li> </ul>	<ul style="list-style-type: none"> <li>Protected as detailed in Part 2 below and as indicated on Tree Protection Plan CBA11288.02 TPP and/or CBA11288.02B TPP</li> </ul>

## **PART 2**

### **ARBORICULTURAL / CONSTRUCTION METHOD STATEMENTS**

---

#### **8.0 PRE-COMMENCEMENT SITE MEETING**

8.1 It is recommended that a pre-commencement site meeting is held prior to any works commencing on site, to agree all approved processes advised by the arboricultural consultant, the construction personnel and Basingstoke and Deane Borough Council Tree Officer. This meeting could be used to formally agree the methods of work, position of site offices, material storage, compounds, parking and tree protection measures prior to commencement of the development and the associated clearance work.

#### **9.0 ADDITIONAL ARBORICULTURAL ADVICE FOR SITE PERSONNEL**

9.1 To provide site personnel with additional information regarding the requirements of Tree Protection, a leaflet (appended at CB5) shall be issued to all staff at the time of their site induction. Spare copies of this leaflet shall be available in the site office as replacements.

9.2 In order to inform site personnel of the purpose of the barriers, information notices shall be fixed to the barriers at 5m intervals. These notices shall be of all-weather construction and shall be in the form of the specimen provided at appendix CB5 and replaced as and when necessary.

#### **10.0 PRE-DEVELOPMENT TREE WORKS**

10.1 All tree works will be undertaken prior to the commencement of site preparation and construction works once full planning permission has been granted and any detail for planning conditions have been agreed with the Planning Case Officer/Tree Officer of Basingstoke and Deane Borough Council.

10.2 **All permitted or approved tree work** should be carried out in accordance with the British Standard “*Recommendations for Tree Work*” BS3998:2010, by suitably qualified and experienced professional arborists. Under no circumstances shall site personnel undertake any tree pruning operations. All tree surgery works should be carried out prior to the development of the site, and erection of protective barriers.

10.3 Consideration should be given to the timing of any tree works to avoid the active growing period of trees. Therefore, all tree work should ideally be carried out during the dormant period from November through to February and then again from June to August.

10.4 Due to the bird-nesting season, considered to be from 1<sup>st</sup> March through to the 31<sup>st</sup> July (Natural England) depending on weather conditions, consideration must also be given to the potential for nesting birds. It is advised that, where tree work is to be carried out within these months that an ecologist be consulted to:

- Complete or advise on a pre-works survey that needs to be carried out by a suitably competent person. As a general rule, it should be assumed that birds will be nesting in trees, and it is down to contractors to assess, record and confirm

## **PART 2**

### **ARBORICULTURAL / CONSTRUCTION METHOD STATEMENTS**

---

that any works carried out in the management of trees and other vegetation has not disturbed actively nesting birds.

- Ground vegetation, and therefore ground nesting birds, can often be overlooked by tree workers so additional care and controls should be taken when access and egress to the work site may also cause disturbance or damage to a nesting site. This is also true for retained trees on site as the removal of adjacent trees or remedial works on a tree may lead to an established nest being abandoned, exposed to the elements or predation. This action is also a breach of the Act and therefore could lead to prosecution due to the infringement of the Wildlife and Countryside Act 1981 and breaching the Conservation of Habitats and Species Regulations 2010 (as amended).

10.5 Although not apparent at the time of the site visit, consideration should also be given to the presence of bats, and a full visual assessment should be undertaken before any works are carried out on the trees. Where bats are identified as a serious concern, a bat survey should be undertaken by qualified and trained personnel to identify the needs of the bats (roosts, resting place etc.) and no tree works can be carried out until the 'all clear' is given, or a programme of recommendations is received in writing.

10.6 Should additional tree works become apparent during the construction process; written consent will be required from Basingstoke and Deane Borough Council tree team prior to these additional works being undertaken.

10.7 All tree works that are required to facilitate the development are detailed within the Tree Works Schedule appended at CB4.

#### **11.0 TREE PROTECTION MEASURES**

11.1 All site operations will be planned, implemented and supervised to prevent the following unless otherwise agreed within this report:

- Root severance
- Damage to the bark, branches and trunks
- Compaction of the soil within the Construction Exclusion Zone
- Alterations in soil level
- Soil contamination by phytotoxic materials such as herbicides, petrol, oils, diesel, cement and concrete washings or other construction additives

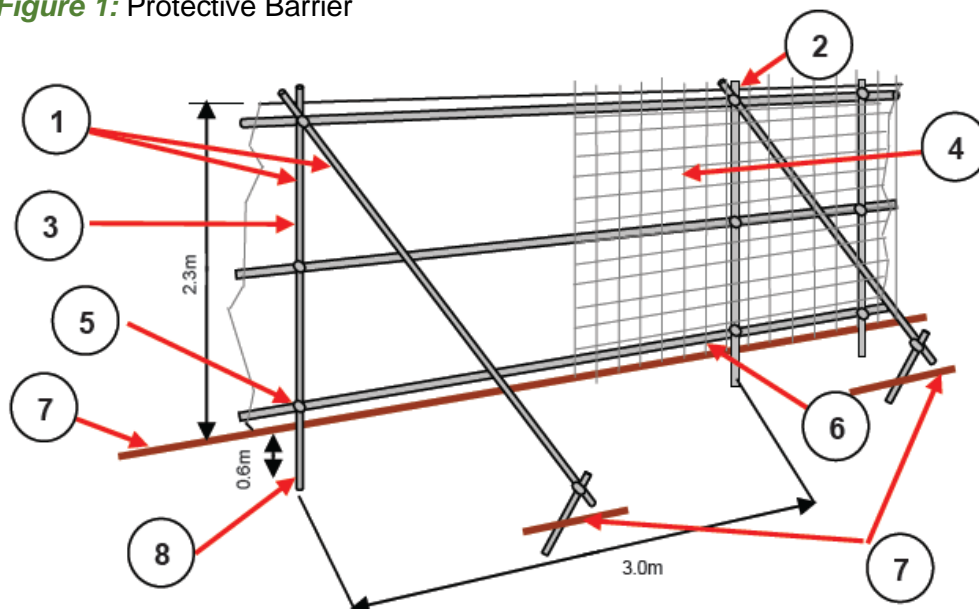
11.2 Before starting any site works in relation to this development proposal, tree protection will be installed in accordance with Tree Protection Plan CBA11288.02B TPP (appended at CB3). This will occur immediately following the completion of tree works and prior to any site preparation works starting.

11.3 A copy of the Tree Protection Plan CBA11288.02B TPP will be displayed in the site office/canteen as a point of reference for all site operatives.

**PART 2**  
**ARBORICULTURAL / CONSTRUCTION METHOD STATEMENTS**

- 11.4 Installing the following protective barrier for trees as indicated on Tree Protection Plan CBA11288.02B TPP will protect the retained trees. It is recommended that the appropriate barrier will consist of a robust barrier where it (the barrier) is resistant to impact and requires a positive or considered movement/adjustment by contractors of the barrier to adjust its position. The tree protection barrier can also be used as site boundary fencing to secure the site.
- 11.5 The robust barrier is to comprise of a vertical and horizontal framework, well braced to resist impacts, with vertical tubes spaced at a maximum interval of 3m. Onto this, weldmesh panels should be securely fixed with wire or scaffold clamps. In accordance with Section 6.2.2.4 of BS5837:2012, weldmesh panels on rubber or concrete feet are not resistant to impact and will not be used for tree protection purposes (see Figure 1 below).

**Figure 1:** Protective Barrier



- |   |
|---|
| <ol style="list-style-type: none"> <li>1. Standard scaffold poles</li> <li>2. Uprights to be driven into the ground</li> <li>3. Panels secured to uprights with wire ties and where necessary standard scaffold clamps</li> <li>4. Weldmesh wired to the uprights and horizontals</li> <li>5. Standard clamps</li> <li>6. Wire twisted and secured on inside face of barriers to avoid easy dismantling</li> <li>7. Ground level</li> <li>8. Approximately 0.6m driven into the ground</li> </ol> |
|---|

Example of protective barriers:





## PART 2 ARBORICULTURAL / CONSTRUCTION METHOD STATEMENTS

11.6 Tree protection barriers will remain *in-situ* for the duration of the project. The areas protected by barriers will be regarded as **sacrosanct**, and the tree protective barriers shall not be taken down or relocated at any time without the written approval of the Planning Case Officer/Tree Officer of Basingstoke and Deane Borough Council during works that relate to the planning consent. An example of a CEZ notice is appended at CB5.

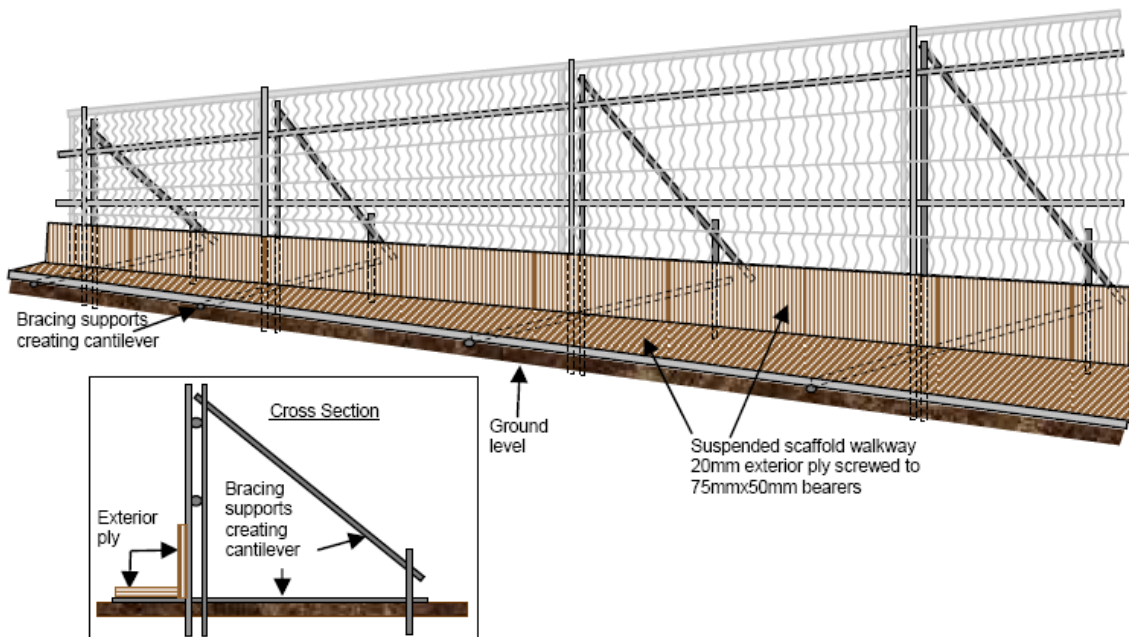
### 11.7 **Ground Protection**

#### **Pedestrian movements**

The area of works will require fit for purpose ground protection due to contractor activity within the identified Construction Exclusion Zone (CEZ). Ground protection will be implemented for these trees as per the Tree Protection Plan CBA11288.02B TPP.

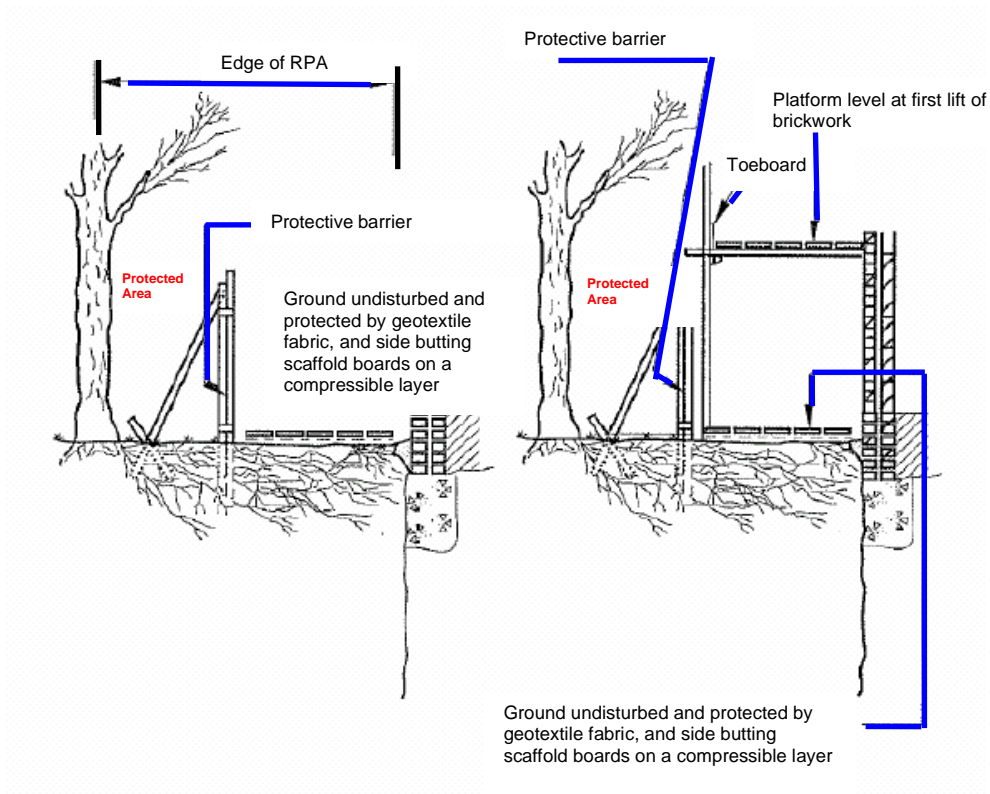
Ground protection will be constructed in accordance with Figure 3 below and consist of a suspended walkway decked with 20mm exterior grade Plyboard supported on 75 x 50mm bearers. The specification provides for pedestrian access only.

**Figure 3:** Pedestrian walkway within the Root Protection Area



An alternative approach is provided (Figure 4, on the next page), the method will allow for construction and working space within the CEZ of retained trees. This method will consist of a single thickness of butt jointed scaffold boards supported on a 150mm thick layer of composted woodchip which is prevented from mixing with the underlying soil by geotextile separation layer.

**Figure 4:** Ground Protection Specification



11.8 Once the barriers are in place they must remain *in-situ* throughout the following list of works:

- Contractor occupancy
- Plant and Materials delivery
- Construction works
- Installation of porous surfacing
- Utility installation
- Completion of development
- Landscaping

## **12.0 AVOIDING DAMAGE TO STEMS AND BRANCHES**

12.1 Care shall be taken when planning site operations, to ensure that wide, tall loads or plant with booms, jibs and counterweights can operate without coming into contact with retained trees. Such contact could result in serious damage to them and might make their safe retention impossible. Consequently, any transit or traverse of plant in close proximity to trees, will be conducted under the supervision of a banksman, in order to ensure adequate clearance from trees is maintained at all times.

## **PART 2**

### **ARBORICULTURAL / CONSTRUCTION METHOD STATEMENTS**

---

#### **13.0 EXISTING SERVICES**

- 13.1 No detailed information has been provided on the location and size of all existing services within the proposed plot but given that the site is a residential plot it is thought that services are present but it is unclear from the information that has been provided if these services are appropriate to connect for the new dwellings. However, if there are any existing services within the RPA and CEZ of retained trees these will not be chased out but cut at the edge of any structure and left *in-situ*.
- 13.2 Cabling will only be recovered from beneath a CEZ where it is located in ducting and can be removed by winching from an existing service manhole beyond the CEZ.
- 13.3 Service pipes and ducts, where they are located within the CEZ or RPA of retained trees, will be made redundant either by pipe bursting or by filling with an inert material such as foamed concrete.

#### **14.0 VEHICULAR MOVEMENTS**

- 14.1 There should be minimal vehicular movement in the potential rooting zone and outside the CEZ formed by the tree protection barriers identified on Tree Protection Plan CBA11288.02B TPP. The existing shared driveway access will be utilised for site access. Once this has been built then all construction traffic should use the driveway.

#### **15.0 SITING OF TEMPORARY OFFICES, TOILETS AND MATERIAL STORAGE COMPOUNDS**

- 15.1 It is anticipated that all storage of materials and deliveries will make use of the existing areas at the site frontage as required, in order to avoid unnecessary damage to tree roots. The site will have limited space available for site offices, contractor parking and material storage/mixing and therefore this report must be made available to all interested parties at the tender stage so that they are fully aware of the restrictions of space on site and account for this in their costings, programming of works and site management to avoid damage to trees or their rooting environments.
- 15.2 The locations shall be agreed in writing with the Planning Case Officer/Tree Officer of Basingstoke and Deane Borough Council prior to the commencement of works on site and will remain in only those agreed locations throughout the construction phases. If an alternative location is required, this must be agreed in writing with the Planning Case Officer/Tree Officer of Basingstoke and Deane Borough Council. This will also include the delivery, storage and movement of all essential facilities, as well as aspects such as temporary contractor vehicle parking and site location of chemical mixing (e.g. concrete). All such locations will be outside of the RPAs and avoid areas where 'run off' of chemicals may flow into RPAs.

## **PART 2**

### **ARBORICULTURAL / CONSTRUCTION METHOD STATEMENTS**

---

#### **15.3 Site Huts**

All site huts that are to be situated on ground that is not existing hard surfacing, shall have appropriate footings or be situated on a temporary surface, which will aid in reducing the potential for compaction of the ground, where they are in close proximity to the existing tree protective barrier line. Site huts can be used as part of the protective barrier boundary, and in some cases, can be beneficial where installation does not conflict with the aerial parts of the tree.

#### **15.4 Material Storage**

This shall be accommodated outside of the CEZ formed by the tree protective barriers, particularly to avoid harmful spillages of fuel, or phytotoxic substances that may damage the health of retained trees. Materials should be stored in front of the client's garage.

### **16.0 GENERAL CONSIDERATIONS WITHIN AND OUTSIDE THE CONSTRUCTION EXCLUSION ZONE**

16.1 Inside the CEZ formed by the tree protective measures and the grass verge along the roadside, the following prohibitions shall apply:

- No construction activity will occur within the CEZ unless otherwise stated in this report, or agreed in writing with the Planning Case Officer/Tree Officer of Basingstoke and Deane Borough Council prior to the specific activity taking place.

16.2 In addition to the above, further precautions are necessary adjacent to trees outside the CEZ:

- Materials which will contaminate the soil e.g. concrete mixing, diesel oil and vehicle washings, shall not be discharged within 10 metres of the tree stem. This should take into consideration the topography of the site and slopes, to avoid materials such as concrete washings running towards trees.
- Fires shall not be lit in a position where their flames can extend to within 5 metres of foliage, branches or trunk. This will depend on the size of the fire and the wind direction.
- Notice boards, telephone cables or other services shall not be attached to any part of the tree. (See appendix CB5 Common Causes of Damage During Construction Works)

### **17.0 GROUND LEVEL ALTERATIONS**

17.1 There will be no increases or decreases to the ground levels within the root protection areas of the retained trees, groups or hedges unless otherwise stated within this report. Where levels are to change within the site, retaining structures will be

## **PART 2**

### **ARBORICULTURAL / CONSTRUCTION METHOD STATEMENTS**

---

designed to account for minimal land disturbance and level changes beyond the retaining structure where they are close to root protection areas. Utilising sheet piling, king post retaining systems or similar rather a retaining brick or block wall that requires a toe and foundation would be the preferred method, but this will need to be engineer designed.

#### **18.0 REPORT DAMAGE TO TREES AND TREE PROTECTION BARRIERS**

- 18.1 Should any damage be caused to the trees, group or hedges noted for retention, either by the above works or as the result of any other action, the damage should be reported to the site supervisor immediately. The site supervisor shall report up the chain of responsibility to the retained consultant arboriculturalist, or in the absence of such an appointment, to an appropriately qualified arboriculturalist, to enable remedial measures to be implemented as necessary and as agreed with the Basingstoke and Deane Borough Council's Tree Officer.
- 18.2 Should damage occur to a protective barrier to impair its function in protecting the trees and groups, all work will cease near the damage, until the barrier has been returned to standard.

#### **19.0 UTILITY SERVICE CONNECTIONS**

- 19.1 Full details of service location proposals have not been forwarded to CBA Trees at the time of compiling this assessment.
- 19.2 Given the siting of the new dwellings all new services and drainage will need to be located outside the root protection areas of retained trees or installed in such a way that significantly reduces the impact on retained trees, such as moling and trenchless techniques.
- 19.3 This level of detail is not currently available given that planning permission has not been granted. However, through good planning conditions services, utilities and drainage locations can be designed, located and installed with minimal impact on retained trees.

#### **20.0 INSTALLATION OF BOUNDARY TREATMENT**

- 20.1 The site layout plan indicates that a boundary treatment will divide the plots. This appears to consist of hedging, retaining structures walls and fencing but may include a simple post and wire fence to set out the boundary whilst the hedging is planted and establishes. Tree roots can extend well in excess of the RPA of retained trees and are mainly located in the upper 600mm of soil and even minor levelling and excavation can result in extensive damage to the root system. Inappropriate access within the root protection area for boundary treatment installation purposes can result in soil compaction and deterioration of the soil structure. Concrete used to support

## **PART 2**

### **ARBORICULTURAL / CONSTRUCTION METHOD STATEMENTS**

---

the posts is poisonous to plants and, if not controlled, can leach into the surrounding soil.

20.2 To minimise the impact of boundary treatments on retained trees, it will be designed and constructed in accordance with the following specification and be of a fence type construction:

- Boundary treatments will be designed so as to minimise the need for excavation and allow minor variations of up to 300mm between post spacing to allow repositioning of posts to permit the retention of all roots which are greater than 25mm which are discovered during the excavation of postholes within the RPA of retained trees.
- Boundary treatments will be installed during period of dry weather so as to maintain soil structure and prevent compaction of the rooting environment.
- Fit for purpose ground protection will be placed along the line of installation to prevent compaction of the rooting environment of retained trees.
- Postholes within the RPA will be carefully excavated by hand to locate roots greater than 25mm in diameter. Postholes will be relocated to ensure that all roots over 25mm diameter are retained.
- Concrete for the Postholes within the RPA of retained trees will be poured as dry as possible to reduce the amount of leaching into the soil.
- Bracing of posts off retained trees will not be permitted under any circumstances.
- Any retaining structure will utilise a vertical dig/ installation technique to avoid the need for a toe or battering back of soils.

#### **21.0 SOFT LANDSCAPING WORKS**

21.1 Any soft landscaping works within the development area will be in accordance with the approved landscape plan, and any specification of such works approved by Basingstoke and Deane Borough Council.

21.2 CBA Trees has not been provided with the final landscaping proposals; however soft landscaping has been indicated on the proposed plans and all landscaping will accord with following requirements:

- Where landscaping works are to be carried out within the CEZ of Trees, groups or the hedge after the main phase of construction has been completed, it will be necessary to alter the line of/remove protective barriers in order to facilitate the landscaping works.
- The construction exclusion zone will remain off limits for all site plant and machinery unless fit for purpose ground protection is installed. Pedestrian traffic

## **PART 2**

### **ARBORICULTURAL / CONSTRUCTION METHOD STATEMENTS**

---

must be kept to an absolute minimum only permitted for the ground preparation and landscape installation works

- The landscaping works will need to be undertaken in such a way as to avoid level changes, deep digging or mechanical rotovating. Excavation of planting pits with the RPA can cause serious harm the root system of retained trees. Planting pits within the RPA of retained trees will be excavated by hand to avoid roots greater than 25mm and masses of smaller roots.



**Figure 2:**  
Root severance as a result  
of planting within RPA

Planting Trees and Shrubs. Watson G. W. and Himelick E. B. 1997

- If any planting pits are required within the CEZ of retained trees, these will be dug by hand and with care avoiding roots greater than 25mm diameter or masses of smaller roots.
  - Any stumps will be ground out to 300mm below ground level and resulting holes filled with sharp horticultural sand to provide a stable base for laying of the new turf
- 21.3 Any surface mulch will consists of well-composted material such as bark or wood chips. This is necessary to avoid potential nutrient loss from the soil, such as Nitrogen, as the mulch breaks down, as nutrient loss can be detrimental to the health and longevity of retained trees.
- 21.4 All work specified in the approved landscaping scheme shall be carried out before the end of the first planting and seeding season, following the occupation of any completed part of the development.
- 21.5 Any existing tree shown to be retained, or trees and shrubs to be planted as part of the landscaping scheme that are removed, die, become severely damaged beyond recovery or diseased within 2-5 years of the completion of the development (dependent on planning conditions), shall be replaced with trees or shrubs of appropriate size and species that complement the existing tree stock, within the next planting season. Where the trees in question are protected by planning controls, the local planning authority should be informed and necessary arrangements made prior to such work.

**PART 2**  
**ARBORICULTURAL / CONSTRUCTION METHOD STATEMENTS**

---

**22.0 REMOVAL OF PROTECTIVE MEASURES**

- 22.1 When the demolition, ground works and external construction phases of the new extension are complete and all site machinery has been removed, the tree protection measures will be dismantled and removed from site.
- 22.2 This barrier dismantling must be undertaken with great care and will need to be supervised to avoid heavy machinery being used within the Root Protection Areas. Hoarding, scaffolding and other barrier materials will need to be removed from site immediately.

**23.0 SITE MONITORING AND SUPERVISION**

- 23.1 It is recommended that on-going arboricultural site monitoring takes place for the duration of the proposed development, to be carried out by a qualified and experienced arboriculturalist at pre-determined and agreed time intervals, and governed by the type, timing, location and intensity of site works. It is for Basingstoke and Deane Borough Council to Condition site monitoring if required.
- 23.2 If Conditioned, it will take the form of regular inspections (to be agreed, but at least one visit per month during the construction phase of the development is advised, together with additional visits to supervise works within the rooting area of retained tree/s), the aim of the visits is to maintain on-going liaison with all personnel involved in the site development, Basingstoke and Deane Borough Council and its Tree Officer.
- 23.3 Any defects requiring rectification shall be notified to the Contractor/Site Manager and the client.
- 23.4 In addition, a site logbook for tree protection measures is kept to record all stages of the development from the erection of the protective barriers, right through to the completion of the project. This will be made available to the arboricultural consultant and Basingstoke and Deane Borough Council if required, to show evidence of continuous site monitoring.

**Example pro-forma:**

Date	Activity	Checked	Comments/ damage noted	By whom	Signed	Action taken
	Erection of protective barriers					
	Inspection of protective barriers					

- 23.5 The Basingstoke and Deane Borough Council Tree Officer (or appropriate representative) will have agreed access to the site, and will report on any problem areas directly to the developer's retained arboriculturalist, who will then visit the site



## **PART 2**

### **ARBORICULTURAL / CONSTRUCTION METHOD STATEMENTS**

---

and make recommendations to the developer on how best to rectify the situation and ensure the implementation.

#### **24.0 CONCLUSIONS**

- 24.1 There is a development proposal for the erection of three dwellings (in addition to the existing dwelling and approved dwelling) with associated access and landscaping, and the erection of a detached garage for the existing dwelling at the site of Newtown Court Farm, Well Street, Newtown, Newbury, RG20 9AP. The proposal has been assessed broadly in accordance with BS5837:2012 *“Trees in Relation to Design, Demolition and Construction – Recommendations”*.
- 24.2 The tree survey exercise identified 38 (thirty eight) individual trees, 18 (eighteen) groups of trees with 2 (two) noted trees within and 3 (three) hedges.
- 24.3 24 (twenty-four) individual trees, 12 (twelve) groups of trees and 2 (two) hedges will be retained as part of this application.
- 24.4 13 (thirteen) individual trees, 4 (four) groups of trees and 1 (one) hedge will be removed as part of this application.
- 24.5 In addition, and for clarity, 1 (one) individual tree, 1 (one) group of trees and the partial removal of 1 group and hedge have already been approved for removal under application 20/0174/FUL.
- 24.6 This report must be made available to all interested parties at the tender stage so that they are fully aware of the restrictions of space on site and account for this in their costings, programming of works and site management to avoid damage to trees or their rooting environments.
- 24.7 It will need to be clearly stated during the tender process that the Contractor needs to allow for the limitations with access movements within the site and the need for stringent tree protection measures, in both cost and programme.
- 24.8 It is advised that planning conditions could be used to secure and ensure tree protection measures and working methodologies for drainage, service utilities and the site access to ensure working practices and methods are carried out sympathetically to the retained trees.
- 24.9 It is our opinion that the trees, groups and hedges identified for retention can be afforded due respect and provided adequate protection, ensuring their safe and healthy retention during the development process.
- 24.8 Provided the recommendations included within this report are strictly adhered to, CBA Trees believes the trees, groups and hedge highlighted for retention within this report can be retained without undue stress on their long-term health.

## **PART 2**

### **ARBORICULTURAL / CONSTRUCTION METHOD STATEMENTS**

---

#### **25.0 CONTACT LIST**

25.1 It is suggested that points of contact and lines of communication are established prior to commencement of the works on site including:

- Arboricultural Consultant
- Project Architect
- Basingstoke and Deane Borough Council's Tree Officer
- Basingstoke and Deane Borough Council's Planning Case Officer
- Site Supervisor and Foreman

25.2 It is advised that the site supervisor establishes their own listing of contact details at the pre-start site meeting and displays this in their office for general use as necessary.

#### **26.0 BIBLIOGRAPHY**

- British Standard 5837:2012 –  
*“Trees in Relation to Design, Demolition and Construction - Recommendations”*
- British Standard 3998:2010 –  
*“Recommendations for Tree Work”*
- National Joint Utilities Group Publication Volume 4 –  
*“Guidelines for the planning, installation and maintenance of utility services in proximity to trees”*
- Wildlife and Countryside Act 1981
- Conservation of Habitats and Species Regulations 2010 (as amended)
- Town and Country Planning Acts







*The Professional Arboricultural Consultancy*

## TREE SURVEY NOTES

This Tree Survey has been undertaken within the recommendations of British Standards 5837:2012 and current arboricultural best practice.

- Each tree has been numbered and, where instructed, for future identification on site, has been tagged using small durable metal or plastic tags.
- Due to variations of existing ground levels through the site, height dimensions are estimated and are given in metres. Accurate heights, measured with the aid of optical instruments can be provided where instructed.
- Trunk/stem diameters are measured in mm at 1.5 metres above ground level, using a standard measuring tape as defined by British Standards, unless otherwise stated.
- Estimated branch spread is taken in metres from the centre of the trunk, at the four cardinal points of a compass, to achieve an accurate representation of the crown shape which will be recorded on the tree survey plan.

- An assessment of a tree's age classification is made in terms of its maturity within the site's landscape and defined as:

<b>Y</b>	=	<b>young trees</b>
<b>SM</b>	=	<b>semi-mature trees</b>
<b>EM</b>	=	<b>early mature trees</b>
<b>M</b>	=	<b>mature trees</b>
<b>OM</b>	=	<b>over-mature trees</b>

- An assessment of a tree's physiological condition is defined as:

<b>Good</b>	=	<b>fully functioning biological system showing average vitality i.e. normal bud growth, leaf size, crown density and wound closure</b>
<b>Fair</b>	=	<b>fully functioning biological system showing below average vitality i.e. reduced bud growth, smaller leaf size, lower crown density and reduced wound closure</b>
<b>Poor</b>	=	<b>a biological system with limited functionality showing significantly below average vitality i.e. limited bud growth, small and chlorotic leaves, low crown density and limited wound closure</b>
<b>Dead</b>	=	<b>dead</b>

- An assessment of a tree's structural condition is defined as:

<b>Good</b>	=	<b>no significant structural defects</b>
<b>Fair</b>	=	<b>structural defects which could be alleviated through remedial tree surgery or management practices</b>
<b>Poor</b>	=	<b>structural defects which cannot be alleviated through tree surgery or management practices</b>
<b>Dead</b>	=	<b>dead</b>

- An assessment of a tree's future life expectancy is defined as: **<10, 10+, 20+ or 40+ years.**

## Categorisation of Trees


The category for each tree is assessed using the recommendations of BS5837:2012. The assessment has not considered any site-specific development proposals, but will have considered any changes on or off-site which may have an effect on the conditions surrounding the surveyed trees.

The trees have been classified into one of the following categories (and one or more sub-categories [this will however not increase the value of the tree]) and are indicated on the associated drawings by colours as indicated.

Category U				Identification colour on plan
Trees 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	<ul style="list-style-type: none"> <li>• Trees that have a serious, irremediable, structural defect, such that their early loss is expected due to collapse, including those that will become unviable after removal of other category U trees (e.g. where, for whatever reason, the loss of companion shelter cannot be mitigated by pruning)</li> <li>• Trees that are dead or are showing signs of significant, immediate, and irreversible overall decline</li> <li>• Trees infected with pathogens of significance to the health and/or safety of other trees nearby, or very low quality trees suppressing adjacent trees of better quality</li> </ul>			<b>DARK RED</b>
Category A	1 – Mainly arboricultural values	2 – Mainly landscape values	3 – Mainly cultural values	Identification colour on plan
<b>Trees of high quality</b> with an estimated remaining life expectancy of at least 40 years	Trees that are particularly good examples of their species, especially if rare or unusual; or those that are essential components of groups or formal or semi-formal arboricultural features (e.g. the dominant and/or principal trees within an avenue)	Trees, groups or woodlands of particular visual importance as arboricultural and/or landscape features	Trees, groups or woodlands, of significant conservation, historical, commemorative or other value (e.g. veteran trees or wood-pasture)	<b>LIGHT GREEN</b>
Category B	1 – Mainly arboricultural values	2 – Mainly landscape values	3 – Mainly cultural values	Identification colour on plan
<b>Trees of moderate quality</b> with an estimated remaining life expectancy of at least 20 years	Trees that might be included in category A, but are down-graded because of impaired condition (e.g. presence of significant though remediable defects, including unsympathetic past management and storm damage), such that they are unlikely to be suitable for retention for beyond 40 years; or trees lacking the special quality necessary to merit the category A designation	Trees present in numbers, usually growing as groups or woodlands, such that they attract a higher collective rating than they might as individuals; or trees occurring as collectives but situated so as to make little visual contribution to the wider locality	Trees with material conservation value or other cultural value	<b>MID BLUE</b>
Category C	1 – Mainly arboricultural values	2 – Mainly landscape values	3 – Mainly cultural values	Identification colour on plan
<b>Trees of low quality</b> with an estimated remaining life expectancy of at least 10 years, or young trees with a stem diameter below 150mm	Unremarkable trees of very limited merit or such impaired condition that they do not qualify in higher categories	Trees present in groups or woodlands, but without this conferring on them significantly greater collective landscape value; and/or trees offering low or only temporary/transient landscape benefits	Trees with no material conservation or other cultural value	<b>GREY</b>

Clients are advised that Tree Surveys are a basic data collection exercise and record of tree condition at the time of survey. This will identify any visible signs of ill-health or major defects, advising a further detailed investigation where appropriate. This will most often take the form of a request for either “*full ground level inspection*” or “*climbing inspection required*”. There may also be a further reference to the need for “*decay detection equipment*” to aid diagnosis. A tree survey does not include a comprehensive schedule or specification of remedial tree works, but may contain a guide to the work which might be undertaken by a prudent tree owner, purely for reasons of health and safety.

A Tree Survey should not be confused with a Tree Inspection or Arboricultural Implication Assessment, which are totally separate exercises.

	<b>TREE SURVEY REPORT (BS5837:2012)</b>	
	<b>Site:</b>	Newtown Court Farm
	<b>Date:</b>	07th October 2019 17th March 2020 03rd March 2021
	<b>Consultant:</b>	Stefan Rose <i>BSc (Hons), TechCert (Arbor.A), TechArbor.A</i>
	<b>Tagged:</b>	No

## Notes:

1. It may be advised that some trees should have the ivy removed to enable a re-survey to be carried out. This would also alleviate the tree from becoming suppressed; carrying additional weight that increases the chance of windthrow due to a larger dense crown area; and only receiving restricted light. Unless otherwise stated, in order to prevent regrowth, it is only necessary to remove a 300mm section of ivy and clear around the base.
2. It may be advised that it was only possible to estimate the diameter of some trees because of ivy smothering, dense vegetation, or trees located off-site with no access.
3. The estimated remaining contribution in years, and the tree grading category have been calculated for the current situation and may alter where further investigation works are advised.
4. Some trees or groups may have been given an interim grade. The reason for the interim grading is addressed in the timescales given as this may have a bearing on health and safety and/or any development proposals.
5. Tree Groups have been assessed with estimated and representative data.
6. This is not a Tree Works Schedule. Any preliminary management recommendations are listed in the interests of health and safety and should be carried out by a prudent tree owner.
7. Any management recommendations are suggested for reasons of health and safety only, regardless of development proposals at this stage. However, the defects requiring remedial tree surgery are by their very nature potential wildlife habitats, including protected species which needs consideration prior to any tree surgery works commencing.
8. The data collected and any advice provided within this report is supplied in the interests of sound arboricultural management. Trees are a living dynamic organism that can be affected by external conditions (high winds, storms, snow, heavy rain or drought) and may occasionally fail without warning. It is therefore not possible to state with any certainty that any tree or group of trees is completely safe. The condition of a tree or group of trees can change rapidly as a result of external factors; we would advise that the occupier/owners inspect the trees at least every 12 months or following periods of extreme weather and where concerns are raised relating to tree health that would be considered beyond the knowledge of a layperson, further arboricultural advice should be sought.

**TREE PRESERVATION ORDER / CONSERVATION AREA:**

CBA Trees has not been instructed to ascertain whether there are any legal restrictions pertaining to trees on and adjacent to the site. It is advised that written confirmation is sought from the Local Planning Authority prior to any tree works being undertaken.

**TREES 1-5 AND GROUPS 1-3 WERE PREVIOUSLY SURVEYED IN OCTOBER 2019.**  
**TREES 1-3, GROUP 2 AND ADDITIONAL TREES 6-22, GROUPS 4-9, HEDGES 1-3 WERE SURVEYED IN MARCH 2020**  
**TREES 23-38 AND GROUPS 10-18 WERE SURVEYED IN MARCH 2021**

Tree No	Species	H't (m)	Single/Multi-Stemmed (S or MS)	Stem Diam (mm)	Branch Spread (m)				H't of Crown AGL (m)				Life Stage	Physiological Condition	Structural Condition and General Observations	Preliminary Management Recommendations	Est. Rem. Contrib. (Yrs)	Cat
					N	E	S	W	N	E	S	W						
1	Pedunculate Oak <i>Quercus robur</i>	23	S	1300	10.0	12.0	12.0	12.0	4.0	2.5	2.0	7.0	M	Good	Fair Holly at base limits survey Large buttress roots Ivy on trunk and in lower crown Existing drive to south Bifurcated at approximately 5m above ground level Epicormics in crown Major deadwood in crown Old pruning wounds in crown	Remove deadwood	20+	B1+2
2	Common Hawthorn <i>Crataegus monogyna</i>	7	MS >6	220	3.0	3.5	3.0	3.0	1.0	1.0	1.0	1.0	EM	Good	Fair Growing at edge of pond Low hanging branches Growing on bank Multi-stemmed at 0.5m above ground level	None required at time of survey	20+	B1+2
3	Horse Chestnut <i>Aesculus hippocastanum</i>	13	S	860	7.0	10.0	7.0	5.0	1.0	1.0	1.0	1.0	M	Fair	Fair Old pruning wounds on trunk, occluding Burs formed on trunk Low hanging branches Epicormics in crown Trifurcated at 9m above ground level	None required at time of survey	20+	B1+2
4	Spruce <i>Picea spp</i>	12	S	300	3.0	2.0	3.0	2.5	0.5	2.0	1.0	0.0	SM	Good	Good Developing tree Minor deadwood in crown	None required at time of survey	20+	C1+2

Tree No	Species	H't (m)	Single/Multi-Stemmed (S or MS)	Stem Diam (mm)	Branch Spread (m)				H't of Crown AGL (m)				Life Stage	Physiological Condition	Structural Condition and General Observations	Preliminary Management Recommendations	Est. Rem. Contrib. (Yrs)	Cat
					N	E	S	W	N	E	S	W						
5	Common Whitebeam <i>Sorbus aria</i>	10	S	330	6.0	4.0	4.5	4.5	0.5	2.0	2.0	2.0	EM	Fair	Fair Mechanical damage to surface roots Bifurcated at 1.8m above ground level Tight forks with included bark Crown shape distorted due to group pressure Minor deadwood in crown	None required at time of survey	10+	C1
6	Pedunculate Oak <i>Quercus robur</i>	8	s	210	3.5	1.5	2.5	4.0	2.0	3.0	2.5	2.0	Y	Good	Fair Offsite Ivy on trunk Crown shape distorted due to group pressure Weighted west Minor deadwood in crown Developing tree	No works required at time of survey	40+	C1+2
7	Common Beech <i>Fagus sylvatica</i>	7	S	Est 400	4.0	3.0	3.0	3.0	0.0	0.0	0.0	0.0	SM	Good	Fair Offsite Growing on bank Unable to verify health and safety due to no access Developing tree Low hanging branches Subsidiary stem on south side of trunk at 1.2m above ground level Minor deadwood in crown	No works required at time of survey	40+	C1+2



Tree No	Species	H't (m)	Single/Multi-Stemmed (S or MS)	Stem Diam (mm)	Branch Spread (m)				H't of Crown AGL (m)				Life Stage	Physiological Condition	Structural Condition and General Observations	Preliminary Management Recommendations	Est. Rem. Contrib. (Yrs)	Cat
					N	E	S	W	N	E	S	W						
8	Common Ash <i>Fraxinus excelsior</i>	15	MS<5	490	5.0	5.0	5.5	4.0	3.0	2.0	1.0	2.0	EM	Fair	Fair Offsite Multi-stemmed at ground level Ivy on trunks Low hanging branches Tight forks with included bark Unable to verify health and safety due to no access Crown shape distorted due to group pressure Weighted east Minor deadwood in crown	No works required at time of survey	20+	C1+2
9	Common Elder <i>Sambucus nigra</i>	5	MS>6	100	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	SM	Good	Fair Offsite Multi-stemmed at ground level Ivy on trunks	No works required at time of survey	10+	C1
10	Rowan <i>Sorbus aucuparia</i>	8	MS<5	220	3.0	3.0	2.5	2.5	2.0	2.5	3.0	3.0	EM	Good	Fair Multi-stemmed at ground level Tight forks with included bark Minor deadwood in crown	No works required at time of survey	10+	C1+2
11	Cherry <i>Prunus spp</i>	7	MS<5	140	1.0	2.0	2.0	3.0	2.0	2.0	2.0	2.0	SM	Good	Fair Bifurcated at 1m above ground level Tight forks with included bark	No works required at time of survey	10+	C1
12	Horse Chestnut <i>Aesculus hippocastanum</i>	14	S	Est 500	6.0	5.0	5.0	4.5	3.0	3.0	3.0	3.0	EM	Fair	Fair Offsite Trifurcated at 3m above ground level Unable to verify health and safety due to no access Minor deadwood in crown Old pruning wounds on trunk	No works required at time of survey	20+	B1+2

Tree No	Species	H't (m)	Single/ Multi-Stemmed (S or MS)	Stem Diam (mm)	Branch Spread (m)				H't of Crown AGL (m)				Life Stage	Physiological Condition	Structural Condition and General Observations	Preliminary Management Recommendations	Est. Rem. Contrib. (Yrs)	Cat
					N	E	S	W	N	E	S	W						
13	Red Oak <i>Quercus rubra</i>	13	S	Est 400	6.5	8.0	5.0	5.0	2.0	3.0	3.0	3.0	SM	Good	Fair Offsite Unable to verify health and safety due to no access Previously bifurcated at 3.5m above ground level but southern stem removed Old pruning wounds on trunk Minor deadwood in crown	No works required at time of survey	20+	C1+2
14	Weeping Willow <i>Salix x chrysocoma</i>	12	S	530	7.0	8.0	7.0	8.0	1.5	1.5	1.5	1.5	EM	Good	Fair Large surface roots Old pruning wounds in crown Epicormics in crown Minor deadwood in crown Trunk shape distorted	No works required at time of survey	20+	B1+2
15	Flowering Cherry <i>Prunus spp</i>	6	S	120	1.0	2.0	2.0	0.5	2.0	2.0	2.0	2.0	SM	Good	Fair Part of linear group Stake and tie in place Multi-stemmed at 2m above ground level Crown shape distorted Weighted east	Remove stake and tie	20+	C1+2
16	Flowering Cherry <i>Prunus spp</i>	5	S	80	1.0	2.0	1.0	1.0	2.0	2.0	2.0	2.0	SM	Good	Fair Part of linear group Multi-stemmed at 1.7m above ground level Stake and tie in place	Remove stake and tie	20+	C1+2
17	Flowering Cherry <i>Prunus spp</i>	6	S	80	1.0	2.0	1.0	1.0	2.0	2.0	2.0	2.0	SM	Good	Fair Part of linear group Stake and tie in place Multi-stemmed at 1.7m above ground level	Remove stake and tie	20+	C1+2
18	Flowering Cherry <i>Prunus spp</i>	3	S	<75	0.3	0.3	0.3	0.3	2.0	2.0	2.0	2.0	Y	Fair	Fair Part of linear group Stake and tie in place	Remove stake and tie	20+	C1+2

Tree No	Species	H't (m)	Single/ Multi-Stemmed (S or MS)	Stem Diam (mm)	Branch Spread (m)				H't of Crown AGL (m)				Life Stage	Physiological Condition	Structural Condition and General Observations	Preliminary Management Recommendations	Est. Rem. Contrib. (Yrs)	Cat
					N	E	S	W	N	E	S	W						
19	Flowering Cherry <i>Prunus spp</i>	4	S	<75	0.5	0.5	0.5	0.5	2.0	2.0	2.0	2.0	Y	Fair	Fair Part of linear group Stake and tie in place	Remove stake and tie	20+	C1+2
20	Sweet Gum <i>Liquidambar styraciflua</i>	7	S	220	3.5	4.0	3.5	4.0	1.0	1.0	1.0	1.0	SM	Good	Fair Trunk shape distorted Leans and weighted west Low hanging branches Old pruning wounds in crown Minor deadwood in crown	No works required at time of survey	20+	B1+2
21	Crab Apple <i>Malus sylvestris</i>	6	MS<5	230	3.0	2.0	1.0	2.5	1.5	1.5	1.5	1.5	SM	Good	Fair Bifurcated at ground level Tight forks with included bark Weighted north Old pruning wounds on trunk	No works required at time of survey	20+	C1+2
22	Scots Pine <i>Pinus sylvestris</i>	24	S	Est 900	5.0	4.0	6.0	4.0	17.0	14.0	8.0	10.0	M	Good	Fair Offsite Unable to verify health and safety due to no access Growing on bank Leans north east Deadwood and stubs	No works required at time of survey	20+	B1+2
23	Horse Chestnut <i>Aesculus hippocastanum</i>	19	S	Est 650	8.0	4.0	3.0	10.0	2.0	2.0	2.0	2.0	M	Fair	Fair Offsite Unable to verify health and safety due to no access Crown shape distorted Leans and weighted north west Epicormics on trunk Old pruning wounds on trunk and in crown Bifurcated at 8m above ground level	No works required at time of survey	10+	C1+2
24	Common Ash Common Sycamore	8	S	80	2.5	2.0	1.5	1.5	2.0	2.0	1.0	2.0	Y	Good	Fair Natural regeneration growing on top of retaining wall	Advise removal to avoid damage to wall	<10	U

Tree No	Species	H't (m)	Single/ Multi-Stemmed (S or MS)	Stem Diam (mm)	Branch Spread (m)				H't of Crown AGL (m)				Life Stage	Physiological Condition	Structural Condition and General Observations	Preliminary Management Recommendations	Est. Rem. Contrib. (Yrs)	Cat
					N	E	S	W	N	E	S	W						
25	Common Sycamore <i>Acer pseudoplatanus</i>	7	MS<5	110	1.5	3.0	1.0	1.5	2.0	2.0	1.5	2.0	Y	Good	Fair Regrowth from old stump Of limited value	No works required at time of survey	10+	C1
26	Common Sycamore <i>Acer pseudoplatanus</i>	15	S	540	4.0	8.0	6.0	4.0	2.0	2.0	2.0	2.0	M	Fair	Poor Basal suckers Decay cavity at base on west side Weighted east Old pruning wounds on trunk and in crown Epicormics on trunk and in crown Previously topped at approximately 9m above ground level	Advise removal	<10	U
27	Common Sycamore <i>Acer pseudoplatanus</i>	12	MS<5	250	3.0	6.0	4.0	3.0	3.0	2.0	2.0	3.0	SM	Good	Fair Dense understorey limits survey Trifurcated at 1m above ground level Tight forks with included bark	Clear around base and resurvey	10+	C1+2 Interim
28	Scots Pine <i>Pinus sylvestris</i>	25	S	Est 800	4.0	8.0	3.0	3.0	12.0	8.0	14.0	14.0	M	Good	Fair Dense understorey limits survey Ivy on trunk Leans and weighted east	Clear around base and resurvey	20+	B1+2 Interim
29	Scots Pine <i>Pinus sylvestris</i>	25	S	Est 600	3.0	5.0	4.0	4.0	14.0	14.0	14.0	14.0	M	Good	Good Dense understorey limits survey Major deadwood and stubs but no significant target	Clear around base and resurvey	20+	B1+2 Interim
30	Norway Spruce <i>Picea abies</i>	15	S	370	4.0	4.0	4.0	4.0	1.0	1.0	1.0	1.0	EM	Good	Good Low hanging branches Minor deadwood in crown Large buttress roots	No works required at time of survey	20+	B1+2

Tree No	Species	H't (m)	Single/ Multi-Stemmed (S or MS)	Stem Diam (mm)	Branch Spread (m)				H't of Crown AGL (m)				Life Stage	Physiological Condition	Structural Condition and General Observations	Preliminary Management Recommendations	Est. Rem. Contrib. (Yrs)	Cat
					N	E	S	W	N	E	S	W						
31	Western Red Cedar <i>Thuja plicata</i>	14	MS<5	650	4.0	4.0	5.0	4.0	1.0	1.0	1.0	1.0	EM	Good	Fair Trifurcated at ground level Low hanging branches Minor deadwood in crown	No works required at time of survey	20+	C1+2
32	Rowan <i>Sorbus aucuparia</i>	9	MS<5	270	4.0	3.0	5.0	3.0	3.0	3.0	2.0	3.0	EM	Good	Fair Bifurcated at 1.2m above ground level Tight forks with included bark Major deadwood in crown but no significant target Crown shape distorted due to group pressure	No works required at time of survey	20+	C1+2
33	Common Ash <i>Fraxinus excelsior</i>	9	MS<5	190	3.0	3.0	3.0	2.0	5.0	5.0	5.0	5.0	SM	Fair	Fair Growing on boundary Trifurcated at 0.5m above ground level Tight forks with included bark Ivy on trunk	No works required at time of survey	10+	C1+2
34	Common Ash <i>Fraxinus excelsior</i>	16	MS<5	440	7.0	6.0	5.0	7.0	2.0	2.0	5.0	2.0	EM	Good	Fair Offsite Unable to verify health and safety due to no access Trifurcated at 0.5m above ground level Ivy on trunk and in crown	No works required at time of survey	10+	C1+2
35	Goat Willow <i>Salix caprea</i>	7	MS>6	320	5.0	5.0	6.0	6.0	1.5	1.0	1.0	1.0	EM	Fair	Fair Multi-stemmed at ground level Several dead stems	Remove dead stems	10+	C1+2
36	Wild Cherry <i>Prunus avium</i>	8	S	210	0.0	2.0	5.5	4.0	-	2.0	1.0	2.0	EM	Fair	Fair Trunk shape distorted Leans south Bifurcated at 3m above ground level	No works required at time of survey	10+	C1+2

Tree No	Species	H't (m)	Single/ Multi-Stemmed (S or MS)	Stem Diam (mm)	Branch Spread (m)				H't of Crown AGL (m)				Life Stage	Physiological Condition	Structural Condition and General Observations	Preliminary Management Recommendations	Est. Rem. Contrib. (Yrs)	Cat
					N	E	S	W	N	E	S	W						
37	Flowering Cherry <i>Prunus spp</i>	7	MS<5	270	4.0	3.0	4.0	4.0	2.0	2.0	2.0	2.0	SM	Fair	Fair Bifurcated at 0.5m above ground level Grafted at base Crown shape distorted due to group pressure	No works required at time of survey	10+	C1+2
38	Magnolia <i>Magnolia spp</i>	5	MS>6	220	2.0	3.0	4.0	3.0	1.0	1.0	1.0	1.0	SM	Fair	Fair Multi-stemmed at ground level Trunk and crown shape distorted due to group pressure Minor deadwood in crown Low hanging branches	No works required at time of survey	10+	C1+2
Grp 1	Pear Apple Camellia	5	S	150	-	-	-	-	-	-	-	-	SM	Fair	Fair Small trees and shrub growing at base of stone retaining wall Previously crown reduced Old pruning wounds on trunks and in crowns Of limited value	None required at time of survey	10+	C1
Grp 2	Common Ash x4	12	MS <5	370	-	-	-	-	-	-	-	-	SM	Good	Fair Growing on boundary line Ivy on trunks Trunk and crown shapes distorted due to group pressure Minor deadwood in crowns Unable to verify health and safety due to no access all around base	None required at time of survey	10+	C1+2
Grp 3	Lawson Cypress	11	S	280	-	-	-	-	-	-	-	-	EM	Good	Fair Boundary edge planting to screen neighbouring property Low hanging branches Crown shapes distorted due to group pressure Tight forks with included bark Minor deadwood in crowns	None required at time of survey	10+	C1+2

Tree No	Species	H't (m)	Single/Multi-Stemmed (S or MS)	Stem Diam (mm)	Branch Spread (m)				H't of Crown AGL (m)				Life Stage	Physiological Condition	Structural Condition and General Observations	Preliminary Management Recommendations	Est. Rem. Contrib. (Yrs)	Cat
					N	E	S	W	N	E	S	W						
Grp 4	Cherry Laurel Common Holly Plum Hawthorn	5	S	80	-	-	-	-	-	-	-	-	SM	Good	Fair Growing along site boundary Trunk and crown shapes distorted due to group pressure Low hanging branches	No works required at time of survey	20+	C2
Grp 5	Cherry Laurel	4	S	90	-	-	-	-	-	-	-	-	SM	Good	Fair Short linear section growing along boundary Minor deadwood in crowns Low hanging branches	No works required at time of survey	20+	C2
Grp 6	Pedunculate Oak	18	S	Est 750	-	-	-	-	-	-	-	-	EM	Good	Fair Offsite Driveway to south side of trees Unable to verify health and safety due to no access Trunk and crown shapes distorted due to group pressure Ivy on trunks Major deadwood in crowns Understorey of Ash and Hawthorn	No works required at time of survey	20+	B1+2
Grp 7	Pedunculate Oak x3	20	S	Est 800	-	-	-	-	-	-	-	-	M	Fair	Fair Offsite Road between trees and site Storm damage and branch tear wound to central tree Unable to verify health and safety due to no access Major deadwood in crowns	No works required at time of survey	20+	B1+2
Grp 8	Apple Cherry	3	S	140	-	-	-	-	-	-	-	-	SM	Good	Fair Mixed fruit trees forming small group Trunk shape distorted Old pruning wounds on trunks and in crowns Low hanging branches	No works required at time of survey	10+	C1+2

Tree No	Species	H't (m)	Single/ Multi-Stemmed (S or MS)	Stem Diam (mm)	Branch Spread (m)				H't of Crown AGL (m)				Life Stage	Physiological Condition	Structural Condition and General Observations	Preliminary Management Recommendations	Est. Rem. Contrib. (Yrs)	Cat
					N	E	S	W	N	E	S	W						
Grp 9	Sycamore Hazel Elder	10	MS	Est 200	-	-	-	-	-	-	-	-	SM	Good	Fair Offsite Multi-stemmed at ground level Unable to verify health and safety due to no access	No works required at time of survey	20+	C1+2
Grp 10	Sycamore	22	See below	See below	-	-	-	-	-	-	-	-	M	Good	Fair Offsite Unable to verify health and safety due to no access Tight forks with included bark Basal suckers Minor deadwood in crowns	No works required at time of survey	20+	B1+2
G10.1	Sycamore	-	S	600	-	-	-	-	-	-	-	-	M	Good	Fair	No works required at time of survey	20+	B1+2
G10.2	Sycamore	-	MS<5	810	-	-	-	-	-	-	-	-	M	Good	Fair	No works required at time of survey	20+	B1+2
Grp 11	Common Hazel Common Sycamore Common Holly Common Elder Blackthorn Holm Oak Silver Birch	8	S	160	-	-	-	-	-	-	-	-	SM	Good	Fair Mix of planted and natural regeneration Low hanging branches Some multi-stemmed at ground level	No works required at time of survey	20+	C1+2
Grp 12	Common Holly Common Hazel	12	S	400	-	-	-	-	-	-	-	-	M	Fair	Fair Offsite Unable to verify health and safety due to no access Linear group growing along site boundary Low hanging branches Southern end tree in decline	No works required at time of survey	10+	C1+2



Tree No	Species	H't (m)	Single/ Multi-Stemmed (S or MS)	Stem Diam (mm)	Branch Spread (m)				H't of Crown AGL (m)				Life Stage	Physiological Condition	Structural Condition and General Observations	Preliminary Management Recommendations	Est. Rem. Contrib. (Yrs)	Cat
					N	E	S	W	N	E	S	W						
Grp 13	Common Holly Cherry Laurel Common Hazel	5	MS<5	230	-	-	-	-	-	-	-	-	SM	Good	Fair Growing on bank Multi-stemmed at ground level Trunk and crown shape distorted due to group pressure Low hanging branches	No works required at time of survey	20+	C1+2
Grp 14	Sycamore Cherry Laurel Common Holly Robinia Scots Pine	18	S	500	-	-	-	-	-	-	-	-	EM	Good	Fair Offsite Unable to verify health and safety due to no access Trunk and crown shape distorted due to group pressure Ivy on trunks Some multi-stemmed	No works required at time of survey	20+	B1+2
Grp 15	Cherry Laurel Common Hazel Common Holly	6	MS	220	-	-	-	-	-	-	-	-	SM	Good	Fair Trunk and crown shape distorted due to group pressure Low hanging branches Some Hazel stems decayed	Coppice Hazel at ground level	20+	C1+2
Grp 16	Magnolia Plum Common Ash	8	S	90	-	-	-	-	-	-	-	-	SM	Good	Fair Planted and natural regeneration Some multi-stemmed at ground level Trunk and crown shapes distorted due to group pressure Of limited value	No works required at time of survey	10+	C1+2
Grp 17	Common Ash Common Holly Cherry Laurel Scots Pine	12	S	170	-	-	-	-	-	-	-	-	SM	Good	Fair Offsite Unable to verify health and safety due to no access Trunk and crown shapes distorted due to group pressure Low hanging branches	No works required at time of survey	20+	B1+2

Tree No	Species	H't (m)	Single/Multi-Stemmed (S or MS)	Stem Diam (mm)	Branch Spread (m)				H't of Crown AGL (m)				Life Stage	Physiological Condition	Structural Condition and General Observations	Preliminary Management Recommendations	Est. Rem. Contrib. (Yrs)	Cat
					N	E	S	W	N	E	S	W						
Grp 18	Common Ash x4	9	MS<5	180	-	-	-	-	-	-	-	-	SM	Fair	Fair Growing on and offsite along site boundary Natural regeneration Ivy on trunks Trunk and crown shapes distorted due to group pressure Tight forks with included bark	No works required at time of survey	10+	C1+2
H1	Common Beech Privet	2	MS	100	-	-	-	-	-	-	-	-	SM	Good	Fair Formal hedge along site boundary and driveway Well maintained	Continue annual trimming	20+	B2
H2	Hawthorn Hazel Common Beech Holly Plum Privet	3	MS	120	-	-	-	-	-	-	-	-	SM	Good	Fair Hedge growing along highways boundary Recently topped to formalise shape	Continue annual trimming	20+	C2
H3	Common Hawthorn Common Beech Common Holly	1.5	S	<75	-	-	-	-	-	-	-	-	Y	Good	Fair Establishing formal hedge along southern boundary	Continue annual trimming	20+	B2



Court Farm Stables

White House

KEY

	ROOT PROTECTION AREA (RPA)
	CROWN SPREAD
	TREE NUMBER
	CATEGORY 'A'
	CATEGORY 'B'
	CATEGORY 'C'
	CATEGORY 'U'

NOTE: TREE/GROUP NUMBERS MARKED WITH AN \* HAVE APPROXIMATE LOCATIONS.

JOB TITLE  
Newtown Court Farm

DRAWING TITLE  
Tree Survey Plan

CBA DRAWING No.  
CBA I 288.01B TSP  
BASE PLAN DRAWING No.  
210205-2022-416  
SCALE 1:250@A1  
DRAWN AM

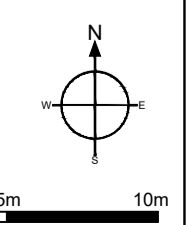
DATE March 2021  
THIS DRAWING IS COPYRIGHT OF CBA Trees AND SHOULD NOT BE REPRODUCED WITHOUT PERMISSION. ALL DIMENSIONS MUST BE CHECKED ON SITE AND NOT SCALED FROM THIS DRAWING.




NOTES:  
TREES 1-5 AND GROUPS 1-3 WERE PREVIOUSLY SURVEYED IN OCTOBER 2019.  
TREES 1-3, GROUP 2 AND ADDITIONAL TREES 6-22, GROUPS 4-9, HEDGES 1-3 WERE SURVEYED IN MARCH 2020  
TREES 23-38 AND GROUPS 10-18 WERE SURVEYED IN MARCH 2021

1. Shading Arcs not shown on this plan 2. Root Protection Areas are shown as a theoretical circle and at this stage do not take into account site features and constraints. 3. Group and hedge outlines are indicatively plotted.

TREE PRESERVATION ORDER / CONSERVATION AREA:  
CBA Trees has not been instructed to ascertain whether there are any legal restrictions pertaining to trees on and adjacent to the site. It is advised that written confirmation is sought from the Local Planning Authority prior to any tree works being undertaken.





<b>BS5837:2012 TREE ROOT PROTECTION AREA SCHEDULE</b>						
		<b>Site:</b>	Newtown Court Farm			
		<b>Date:</b>	07th October 2019 17th March 2020 03rd March 2021			
		<b>Consultant:</b>	Stefan Rose <i>BSc (Hons), TechCert (Arbor.A), TechArbor.A</i>			
		<b>Notes:</b>				
<p>1. This is an assessment of the Root Protection Area (RPA) required, based on the individual tree data collected and Section 4.6.1 of BS5837:2012.</p> <p>2. For all single stem trees with a stem diameter greater than 1250mm, and multi-stem trees with a stem diameter greater than 1500mm, the calculated RPA has been capped at 707m<sup>2</sup> in accordance with Section 4.6.1 of BS5837:2012.</p>						
<p><b>TREE PRESERVATION ORDER/CONSERVATION AREA:</b>  CBA Trees has not been instructed to ascertain whether there are any legal restrictions pertaining to trees on and adjacent to the site. It is advised that written confirmation is sought from the Local Planning Authority prior to any tree works being undertaken.</p>						
<p><b>TREES 1-5 AND GROUPS 1-3 WERE PREVIOUSLY SURVEYED IN OCTOBER 2019.</b>  <b>TREES 1-3, GROUP 2 AND ADDITIONAL TREES 6-22, GROUPS 4-9, HEDGES 1-3 WERE SURVEYED IN MARCH 2020</b>  <b>TREES 23-38 AND GROUPS 10-18 WERE SURVEYED IN MARCH 2021</b></p>						
Tree No	Species	Category	Single/ Multi-Stemmed (S or MS)	Stem Diameter (mm)	Initial Linear Root Protection Distance (Radius m)	Root Protection Area (m <sup>2</sup> )
1	Pedunculate Oak Quercus robur	B1+2	S	1300	15.0	765
2	Common Hawthorn Crataegus monogyna	B1+2	MS >6	220	2.6	22
3	Horse Chestnut Aesculus hippocastanum	B1+2	S	860	10.3	335
4	Spruce Picea spp	C1+2	S	300	3.6	41
5	Common Whitebeam Sorbus aria	C1	S	330	4.0	49

Tree No	Species	Category	Single/ Multi-Stemmed (S or MS)	Stem Diameter (mm)	Initial Linear Root Protection Distance (Radius m)	Root Protection Area (m2)
6	Pedunculate Oak Quercus robur	C1+2	s	210	2.5	20
7	Common Beech Fagus sylvatica	C1+2	S	400	4.8	72
8	Common Ash Fraxinus excelsior	C1+2	MS<5	490	5.9	109
9	Common Elder Sambucus nigra	C1	MS>6	100	1.2	5
10	Rowan Sorbus aucuparia	C1+2	MS<5	220	2.6	22
11	Cherry Prunus spp	C1	MS<5	140	1.7	9
12	Horse Chestnut Aesculus hippocastanum	B1+2	S	500	6.0	113
13	Red Oak Quercus rubra	C1+2	S	400	4.8	72
14	Weeping Willow Salix x chrysocoma	B1+2	S	530	6.4	127
15	Flowering Cherry Prunus spp	C1+2	S	120	1.4	7
16	Flowering Cherry Prunus spp	C1+2	S	80	1.0	3
17	Flowering Cherry Prunus spp	C1+2	S	80	1.0	3
18	Flowering Cherry Prunus spp	C1+2	S	75	0.9	3
19	Flowering Cherry Prunus spp	C1+2	S	75	0.9	3
20	Sweet Gum Liquidambar styraciflua	B1+2	S	220	2.6	22
21	Crab Apple Malus sylvestris	C1+2	MS<5	230	2.8	24
22	Scots Pine Pinus sylvestris	B1+2	S	900	10.8	366
23	Horse Chestnut Aesculus hippocastanum	C1+2	S	650	7.8	191
24	Common Ash Common Sycamore	U	S	80	-	-
25	Common Sycamore Acer pseudoplatanus	C1	MS<5	110	1.3	5

Tree No	Species	Category	Single/ Multi-Stemmed (S or MS)	Stem Diameter (mm)	Initial Linear Root Protection Distance (Radius m)	Root Protection Area (m2)
26	Common Sycamore Acer pseudoplatanus	U	S	540	-	-
27	Common Sycamore Acer pseudoplatanus	C1+2 Interim	MS<5	250	3.0	28
28	Scots Pine Pinus sylvestris	B1+2 Interim	S	800	9.6	290
29	Scots Pine Pinus sylvestris	B1+2 Interim	S	600	7.2	163
30	Norway Spruce Picea abies	B1+2	S	370	4.4	62
31	Western Red Cedar Thuja plicata	C1+2	MS<5	650	7.8	191
32	Rowan Sorbus aucuparia	C1+2	MS<5	270	3.2	33
33	Common Ash Fraxinus excelsior	C1+2	MS<5	190	2.3	16
34	Common Ash Fraxinus excelsior	C1+2	MS<5	440	5.3	88
35	Goat Willow Salix caprea	C1+2	MS>6	320	3.8	46
36	Wild Cherry Prunus avium	C1+2	S	210	2.5	20
37	Flowering Cherry Prunus spp	C1+2	MS<5	270	3.2	33
38	Magnolia Magnolia spp	C1+2	MS>6	220	2.6	22
Grp 1	Pear Apple Camellia	C1	S	150	1.8	10
Grp 2	Common Ash x4	C1+2	MS <5	370	4.4	62
Grp 3	Lawson Cypress	C1+2	S	280	3.4	35
Grp 4	Cherry Laurel Common Holly Plum Hawthorn	C2	S	80	1.0	3
Grp 5	Cherry Laurel	C2	S	90	1.1	4

Tree No	Species	Category	Single/ Multi-Stemmed (S or MS)	Stem Diameter (mm)	Initial Linear Root Protection Distance (Radius m)	Root Protection Area (m2)
Grp 6	Pedunculate Oak	B1+2	S	750	9.0	255
Grp 7	Pedunculate Oak x3	B1+2	S	800	9.6	290
Grp 8	Apple Cherry	C1+2	S	140	1.7	9
Grp 9	Sycamore Hazel Elder	C1+2	MS	200	2.4	18
Grp 10	Sycamore	B1+2	See below	See below	-	-
G10.1	Sycamore	B1+2	S	600	7.2	163
G10.2	Sycamore	B1+2	MS<5	810	9.7	297
Grp 11	Common Hazel Common Sycamore Common Holly Common Elder Blackthorn Holm Oak Silver Birch	C1+2	S	160	1.9	12
Grp 12	Common Holly Common Hazel	C1+2	S	400	4.8	72
Grp 13	Common Holly Cherry Laurel Common Hazel	C1+2	MS<5	230	2.8	24
Grp 14	Sycamore Cherry Laurel Common Holly Robinia Scots Pine	B1+2	S	500	6.0	113
Grp 15	Cherry Laurel Common Hazel Common Holly	C1+2	MS	220	2.6	22

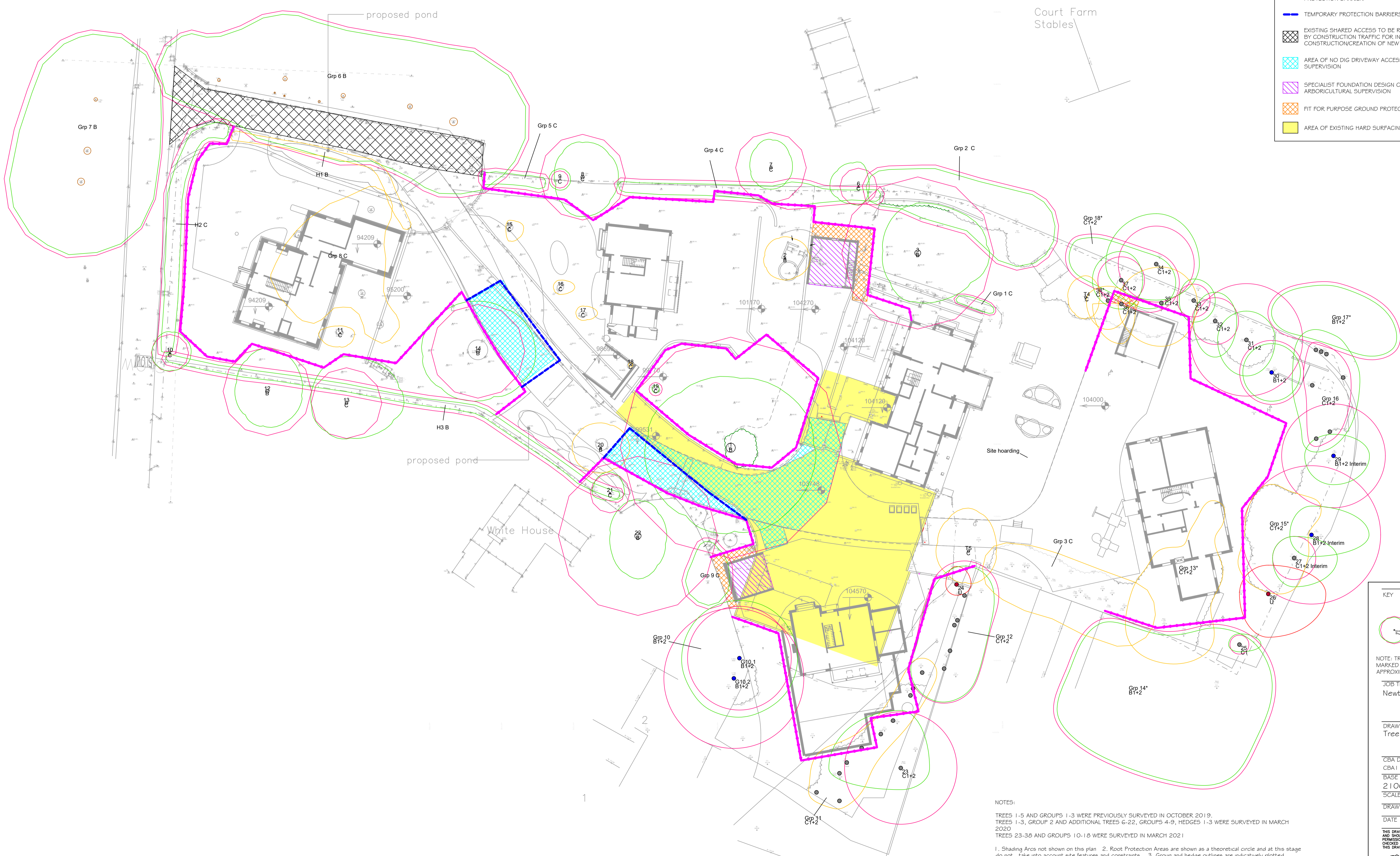


Tree No	Species	Category	Single/ Multi-Stemmed (S or MS)	Stem Diameter (mm)	Initial Linear Root Protection Distance (Radius m)	Root Protection Area (m2)
Grp 16	Magnolia Plum Common Ash	C1+2	S	90	1.1	4
Grp 17	Common Ash Common Holly Cherry Laurel Scots Pine	B1+2	S	170	2.0	13
Grp 18	Common Ash x4	C1+2	MS<5	180	2.2	15
H1	Common Beech Privet	B2	MS	100	1.2	5
H2	Hawthorn Hazel Common Beech Holly Plum Privet	C2	MS	120	1.4	7
H3	Common Hawthorn Common Beech Common Holly	B2	S	75	0.9	3



**KEY**

- TREES TO BE RETAINED AND PROTECTED
- TREES TO BE REMOVED
- TREES TO BE REMOVED FOR SOUND ARBORICULTURAL MANAGEMENT
- LOCATION OF TREE PROTECTION BARRIER
- TEMPORARY PROTECTION BARRIERS
- EXISTING SHARED ACCESS TO BE RETAINED AND ONLY USED BY CONSTRUCTION TRAFFIC FOR INITIAL SITE SET UP AND CONSTRUCTION/CREATION OF NEW SITE ACCESS
- AREA OF NO DIG DRIVEWAY ACCESS + ARBORICULTURAL SUPERVISION
- SPECIALIST FOUNDATION DESIGN CONSTRUCTION + ARBORICULTURAL SUPERVISION
- FIT FOR PURPOSE GROUND PROTECTION
- AREA OF EXISTING HARD SURFACING/BUILT FORM



**KEY**

- ROOT PROTECTION AREA (RPA)
- CROWN SPREAD
- TREE NUMBER
- CATEGORY

NOTE: TREE/GROUP NUMBERS MARKED WITH AN \* HAVE APPROXIMATE LOCATIONS.

JOB TITLE  
Newtown Court Farm

DRAWING TITLE  
Tree Protection Plan

CBA DRAWING No.  
CBA 1 200.02A TPP  
BASE PLAN DRAWING No.  
2 10630-2022-1419  
SCALE 1:250@A1  
DRAWN AM  
DATE July 2021

THIS DRAWING IS COPYRIGHT © CBA Trees AND SHOULD NOT BE REPRODUCED WITHOUT PERMISSION. ALL DIMENSIONS MUST BE CHECKED ON SITE AND NOT SCALED FROM THIS DRAWING.

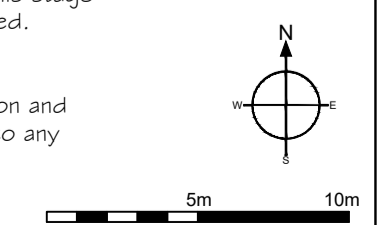
**CBA Trees**  
Unit C, Meadow View Business Park, Winchester Road,  
Lower Upham, Winchester, SO32 1UJ  
Tel: 02380 988229

**NOTES:**

TREES 1-5 AND GROUPS 1-3 WERE PREVIOUSLY SURVEYED IN OCTOBER 2019.  
 TREES 1-3, GROUP 2 AND ADDITIONAL TREES 6-22, GROUPS 4-9, HEDGES 1-3 WERE SURVEYED IN MARCH 2020  
 TREES 23-38 AND GROUPS 10-18 WERE SURVEYED IN MARCH 2021

1. Shading Arcs not shown on this plan 2. Root Protection Areas are shown as a theoretical circle and at this stage do not take into account site features and constraints. 3. Group and hedge outlines are indicatively plotted.

TREE PRESERVATION ORDER / CONSERVATION AREA:  
 CBA Trees has not been instructed to ascertain whether there are any legal restrictions pertaining to trees on and adjacent to the site. It is advised that written confirmation is sought from the Local Planning Authority prior to any tree works being undertaken.







## TREE WORKS SCHEDULE

<b>Site:</b>	Newtown Court Farm, Well Street, Newtown, Newbury, RG20 9AP		
<b>Date:</b>	July 2021	<b>Consultant:</b>	Stefan Rose <i>BSc (Hons), Tech Cert ArborA, TechArborA</i>

Tree No.	Species	Recommended Works
1	Pedunculate Oak <i>Quercus robur</i>	<ul style="list-style-type: none"> <li>Remove deadwood</li> </ul>
2	Common Hawthorn <i>Crataegus monogyna</i>	<ul style="list-style-type: none"> <li>Fell to ground level and remove stump</li> </ul>
3	Horse Chestnut <i>Aesculus hippocastanum</i>	<ul style="list-style-type: none"> <li>None required for the planning application</li> </ul>
4	Spruce <i>Picea spp</i>	<ul style="list-style-type: none"> <li>Fell to ground level and remove stump</li> </ul>
5	Common Whitebeam <i>Sorbus aria</i>	<ul style="list-style-type: none"> <li>Fell to ground level and remove stump</li> </ul>
6	Pedunculate Oak <i>Quercus robur</i>	<ul style="list-style-type: none"> <li>None required for the planning application</li> </ul>
7	Common Beech <i>Fagus sylvatica</i>	<ul style="list-style-type: none"> <li>None required for the planning application</li> </ul>
8	Common Ash <i>Fraxinus excelsior</i>	<ul style="list-style-type: none"> <li>None required for the planning application</li> </ul>
9	Common Elder <i>Sambucus nigra</i>	<ul style="list-style-type: none"> <li>None required for the planning application</li> </ul>
10	Rowan <i>Sorbus aucuparia</i>	<ul style="list-style-type: none"> <li>None required for the planning application</li> </ul>
11	Cherry <i>Prunus spp</i>	<ul style="list-style-type: none"> <li>Consented for removal under application 20/0174/FUL</li> </ul>
12	Horse Chestnut <i>Aesculus hippocastanum</i>	<ul style="list-style-type: none"> <li>None required for the planning application</li> </ul>
13	Red Oak <i>Quercus rubra</i>	<ul style="list-style-type: none"> <li>Crown lift on north side to provide a ground level clearance of 3m on site side of boundary only, consented under application 20/0174/FUL</li> </ul>
14	Weeping Willow <i>Salix x chrysocoma</i>	<ul style="list-style-type: none"> <li>Crown lift all round to provide a ground level clearance of 2.5m consented under application 20/0174/FUL</li> </ul>
15	Flowering Cherry <i>Prunus spp</i>	<ul style="list-style-type: none"> <li>Fell to ground level and remove stump</li> </ul>
16	Flowering Cherry <i>Prunus spp</i>	<ul style="list-style-type: none"> <li>Fell to ground level and remove stump</li> </ul>
17	Flowering Cherry <i>Prunus spp</i>	<ul style="list-style-type: none"> <li>Fell to ground level and remove stump</li> </ul>
18	Flowering Cherry <i>Prunus spp</i>	<ul style="list-style-type: none"> <li>Fell to ground level and remove stump</li> </ul>
19	Flowering Cherry <i>Prunus spp</i>	<ul style="list-style-type: none"> <li>None required for the planning application</li> </ul>
20	Sweet Gum <i>Liquidambar styraciflua</i>	<ul style="list-style-type: none"> <li>Fell to ground level and remove stump</li> </ul>

21	Crab Apple <i>Malus sylvestris</i>	<ul style="list-style-type: none"> <li>• None required for the planning application</li> </ul>
22	Scots Pine <i>Pinus sylvestris</i>	<ul style="list-style-type: none"> <li>• None required for the planning application</li> </ul>
23	Horse Chestnut <i>Aesculus hippocastanum</i>	<ul style="list-style-type: none"> <li>• None required for the planning application</li> </ul>
24	Common Ash Common Sycamore	<ul style="list-style-type: none"> <li>• Fell to ground level and remove stump</li> </ul>
25	Common Sycamore <i>Acer pseudoplatanus</i>	<ul style="list-style-type: none"> <li>• None required for the planning application</li> </ul>
26	Common Sycamore <i>Acer pseudoplatanus</i>	<ul style="list-style-type: none"> <li>• Fell to ground level and remove stump</li> </ul>
27	Common Sycamore <i>Acer pseudoplatanus</i>	<ul style="list-style-type: none"> <li>• None required for the planning application</li> </ul>
28	Scots Pine <i>Pinus sylvestris</i>	<ul style="list-style-type: none"> <li>• None required for the planning application</li> </ul>
29	Scots Pine <i>Pinus sylvestris</i>	<ul style="list-style-type: none"> <li>• None required for the planning application</li> </ul>
30	Norway Spruce <i>Picea abies</i>	<ul style="list-style-type: none"> <li>• None required for the planning application</li> </ul>
31	Western Red Cedar <i>Thuja plicata</i>	<ul style="list-style-type: none"> <li>• None required for the planning application</li> </ul>
32	Rowan <i>Sorbus aucuparia</i>	<ul style="list-style-type: none"> <li>• None required for the planning application</li> </ul>
33	Common Ash <i>Fraxinus excelsior</i>	<ul style="list-style-type: none"> <li>• None required for the planning application</li> </ul>
34	Common Ash <i>Fraxinus excelsior</i>	<ul style="list-style-type: none"> <li>• None required for the planning application</li> </ul>
35	Goat Willow <i>Salix caprea</i>	<ul style="list-style-type: none"> <li>• Fell to ground level and remove stump</li> </ul>
36	Wild Cherry <i>Prunus avium</i>	<ul style="list-style-type: none"> <li>• Fell to ground level and remove stump</li> </ul>
37	Flowering Cherry <i>Prunus spp</i>	<ul style="list-style-type: none"> <li>• None required for the planning application</li> </ul>
38	Magnolia <i>Magnolia spp</i>	<ul style="list-style-type: none"> <li>• Fell to ground level and remove stump</li> </ul>
Grp 1	Pear Apple Camelia	<ul style="list-style-type: none"> <li>• None required for the planning application</li> </ul>
Grp 2	Common Ash x4	<ul style="list-style-type: none"> <li>• None required for the planning application</li> </ul>
Grp 3	Lawson Cypress	<ul style="list-style-type: none"> <li>• Fell to ground level and remove stumps</li> </ul>
Grp 4	Cherry Laurel Common Holly Plum Hawthorn	<ul style="list-style-type: none"> <li>• None required for the planning application</li> </ul>
Grp 5	Cherry Laurel	<ul style="list-style-type: none"> <li>• None required for the planning application</li> </ul>
Grp 6	Pedunculate Oak	<ul style="list-style-type: none"> <li>• None required for the planning application</li> </ul>
Grp 7	Pedunculate Oak x3	<ul style="list-style-type: none"> <li>• None required for the planning application</li> </ul>

Grp 8	Apple Cherry	<ul style="list-style-type: none"> <li>Remove - consented for removal under application 20/0174/FUL</li> </ul>
Grp 9	Sycamore Hazel Elder	<ul style="list-style-type: none"> <li>None required for the planning application</li> </ul>
Grp 10	Sycamore	<ul style="list-style-type: none"> <li>Reduce the eastern lateral spread by approximately 2m on site side of boundary only</li> </ul>
G10.1	Sycamore	<ul style="list-style-type: none"> <li>Reduce the eastern lateral spread by approximately 2m on site side of boundary only</li> </ul>
G10.2	Sycamore	<ul style="list-style-type: none"> <li>Reduce the eastern lateral spread by approximately 2m on site side of boundary only</li> </ul>
Grp 11	Common Hazel Common Sycamore Common Holly Common Elder Blackthorn Holm Oak Silver Birch	<ul style="list-style-type: none"> <li>Fell to ground level and remove stumps</li> </ul>
Grp 12	Common Holly Common Hazel	<ul style="list-style-type: none"> <li>None required for the planning application</li> </ul>
Grp 13	Common Holly Cherry Laurel Common Hazel	<ul style="list-style-type: none"> <li>Fell to ground level and remove stumps</li> </ul>
Grp 14	Sycamore Cherry Laurel Common Holly Robinia Scots Pine	<ul style="list-style-type: none"> <li>None required for the planning application</li> </ul>
Grp 15	Cherry Laurel Common Hazel Common Holly	<ul style="list-style-type: none"> <li>Fell to ground level and remove stumps</li> </ul>
Grp 16	Magnolia Plum Common Ash	<ul style="list-style-type: none"> <li>None required for the planning application</li> </ul>
Grp 17	Common Ash Common Holly Cherry Laurel Scots Pine	<ul style="list-style-type: none"> <li>None required for the planning application</li> </ul>
Grp 18	Common Ash x4	<ul style="list-style-type: none"> <li>None required for the planning application</li> </ul>
H1	Common Beech Privet	<ul style="list-style-type: none"> <li>Sections consented for removal under application 20/0174/FUL</li> <li>Remove remaining section of hedge</li> </ul>
H2	Hawthorn Hazel Common Beech Holly Plum Privet	<ul style="list-style-type: none"> <li>Continue annual trimming</li> </ul>
H3	Common Hawthorn Common Beech Common Holly	<ul style="list-style-type: none"> <li>Continue annual trimming</li> </ul>

- It is advised that all remedial tree works such as pruning is carried out between July and September or November and February. Tree works should also avoid the season for nesting birds.
- All tree works should be carried out in accordance with current best practice guidelines and BS3998: 2010 – Tree Works. Only natural target pruning method to be used.
- We recommend the use of an Arboricultural Association Approved Contractor or an ISA Certified Arborist/Tree Worker suitably insured and experienced to carry out the tree works.







## SUMMARY OF TREE PROTECTION MEASURES

### Introduction

This leaflet shall be issued to all site personnel as part of their induction briefing.

It describes in summary form, the precautions that site personnel shall at all times follow, to ensure that the existing trees on the site come to no harm.

The precautions described are neither arbitrary nor reducible and must be adhered to in full.

These precautions are necessary because unprotected trees are very vulnerable to damage during demolition and construction works.

Furthermore, many of the trees on the site are under LEGAL PROTECTION and damaging them can result in heavy fines.

Two common misconceptions about trees:

**MYTH:** Trees have deep taproots and so shallow excavations will not harm the tree.

**FACT:** 90% of all tree's roots are found in the top 600mm of soil; all excavations near to trees are likely to cause root damage which can kill the tree.

**MYTH:** Trees will quickly heal over any bark wound, with no ill effect.

**FACT:** Bark wounds take years to heal and larger ones never do; missing bark can lead to disease and even the death of the tree.

### Tree Protection

All trees adjacent to unsupervised work areas have been protected by fencing.

This fencing must be respected at all times and no attempts shall be made to damage, bypass or ignore it.

In areas designated for supervised working, no works shall be undertaken without the supervisor being present or without him/her issuing a "carry on" chit.

### Prohibitions Adjacent to Trees

Inside the exclusion area of the tree protection, the following prohibitions shall apply.

- No digging or scraping
- No storage of plant or materials
- No vehicular access
- No fire lighting
- No handling, discharge or spillage or any chemical substance
- No water-logging

In addition to the above, further precautions shall be taken near to trees.

- A 10m separation distance shall be observed between trees and any substance injurious to their health, including fuels, oil, bitumen, cement (including washings) builders' sand, concrete mixing and other chemicals.
- No fire shall be lit such that flames come within 5m of any foliage; this shall be taken to mean a fire separation distance to the leaves of 20m.

### Avoiding Damage to Stem and Branches

Care shall be taken when planning site operations to ensure that wide or tall loads or plant with booms, jibs and counterweights, can operate without coming into contact with trees.

Consequently, any transit or traverse of plant in proximity to trees shall be conducted under the supervision of a spotter to ensure that adequate clearance is at all times maintained.

In some circumstances, it may be impossible to achieve this, necessitating the pruning of the tree.

If this is necessary, a specialist team shall be called in following referral to the project Arboriculturist.

No tree pruning shall be undertaken by demolition or construction personnel.

### Asking for Help

If you see any damage to a tree or its protective fencing, or if you need a tree pruning for plant clearance, contact **CBA Trees** as follows:

Office Telephone: 02380 986229

**REMEMBER:  
ALL TREE DAMAGE  
IS AVOIDABLE –  
SO AVOID IT!**



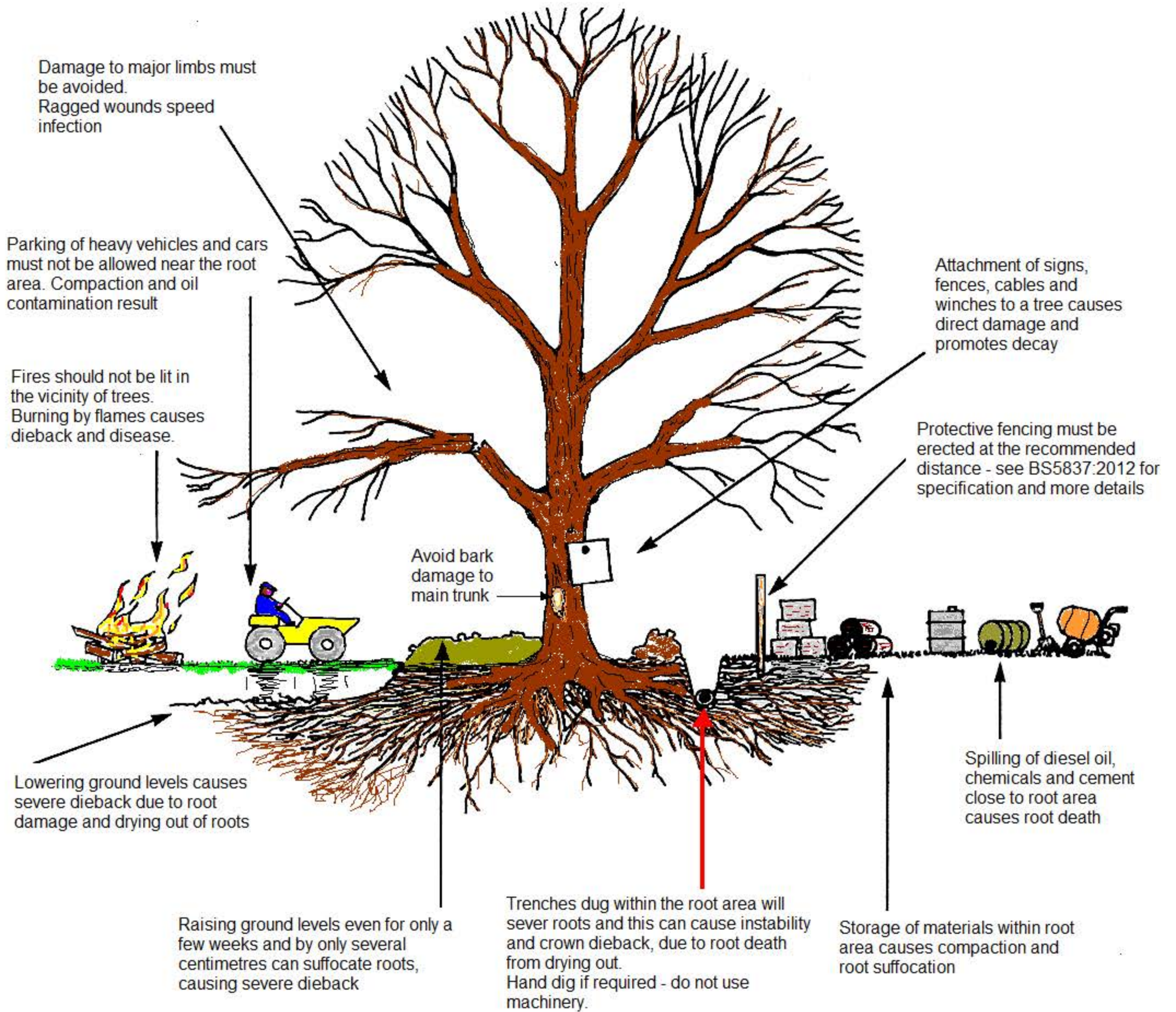
**PROTECTIVE BARRIERS.  
THESE BARRIERS MUST BE  
MAINTAINED IN ACCORDANCE  
WITH THE APPROVED PLANS  
AND DRAWINGS FOR THIS  
DEVELOPMENT.**



**TREE PROTECTION AREA  
KEEP OUT !**  
(TOWN & COUNTRY PLANNING ACT 1990)  
**TREES ENCLOSED BY THIS FENCE ARE PROTECTED BY  
PLANNING CONDITIONS AND/OR ARE THE SUBJECTS OF A  
TREE PRESERVATION ORDER.  
CONTRAVENTION OF A TREE PRESERVATION ORDER MAY  
LEAD TO CRIMINAL PROSECUTION**  
**ANY INCURSION INTO THE PROTECTED AREA MUST BE  
WITH THE WRITTEN PERMISSION OF THE LOCAL  
PLANNING AUTHORITY**

# COMMON CAUSES OF TREE DEATH

The use of properly positioned protective barriers can prevent tree deaths occurring.







*The Professional Arboricultural Consultancy*

## Qualifications of Stefan Rose Principal Consultant

**Stefan Rose** *BSc (Hons), TechCert (Arbor.A), TechArbor.A* joined CBA Trees in 1998 as a junior surveyor and having gained extensive knowledge and a wealth of experience over the years, has progressed to Principal Consultant. He has considerable experience in working as a locum for Local Authorities, assessing new and extant Tree Preservation Orders, and continues to work on a number of major development projects nationwide.

As our Principal Consultant Stefan undertakes a full range of arboricultural services from health and safety audits to BS5837:2012 tree surveys, providing expert advice and guidance on initial feasibility site assessments to full scale planning applications. He is accomplished at producing implication assessments and method statements for the submission of planning applications, working with both individual home owners and within multi-disciplinary teams to achieve successful arboricultural outcomes.