TREE CONSULTANTS

ARBORICULTURAL METHOD STATEMENT

to BS 5837:2012 at:

340A New Road, Staincross, Barnsley S75 6GP

This document describes how the trees will be protected and managed during the development of this site. It explains how and when the protection measures must be installed and maintained throughout the development.

A copy of this document report must be permanently available on site for the duration of all development activity and should be referenced for practical guidance on how to protect the retained trees at this site.

Prepared for:
White Agus

Date: *August 2023*

Reference: *AWA5586AMS*

Institute of Chartered Foresters
Registered Consultant

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1. Introduction

1.1 Instruction

1.1.1 We were instructed by White Agus to prepare an arboricultural method statement for the proposed development at: 340A New Road, Staincross, Barnsley.

1.2 Purpose

1.2.1 This method statement has been prepared in order to demonstrate that the development operations at this site can be undertaken with minimal risk of adverse impact on the trees to be retained.

1.2.2 This method statement conforms to BS 5837:2012 *Trees in relation to design, demolition and construction - Recommendations*. It is based on the arboricultural data, collected at a site visit during August 2023, detailed within Appendix 3 of this report.

1.3 Description of Development

1.3.1 It is proposed to build a new extension to an existing dwelling. The proposed development layout has been provided by my client and is the basis for the Tree Protection Plan at Appendix 4.

1.4 Details of Consent

1.4.1 Planning consent is subject to this method statement being agreed upon in advance by the Local Planning Authority. The contents of this report must be adhered to, before, during, and after the construction phase.

1.4.2 As such, no equipment, machinery or materials shall be brought onto the site in connection with the development until this arboricultural method statement detailing tree management and tree protection measures has been submitted to and approved by the Local Planning Authority.

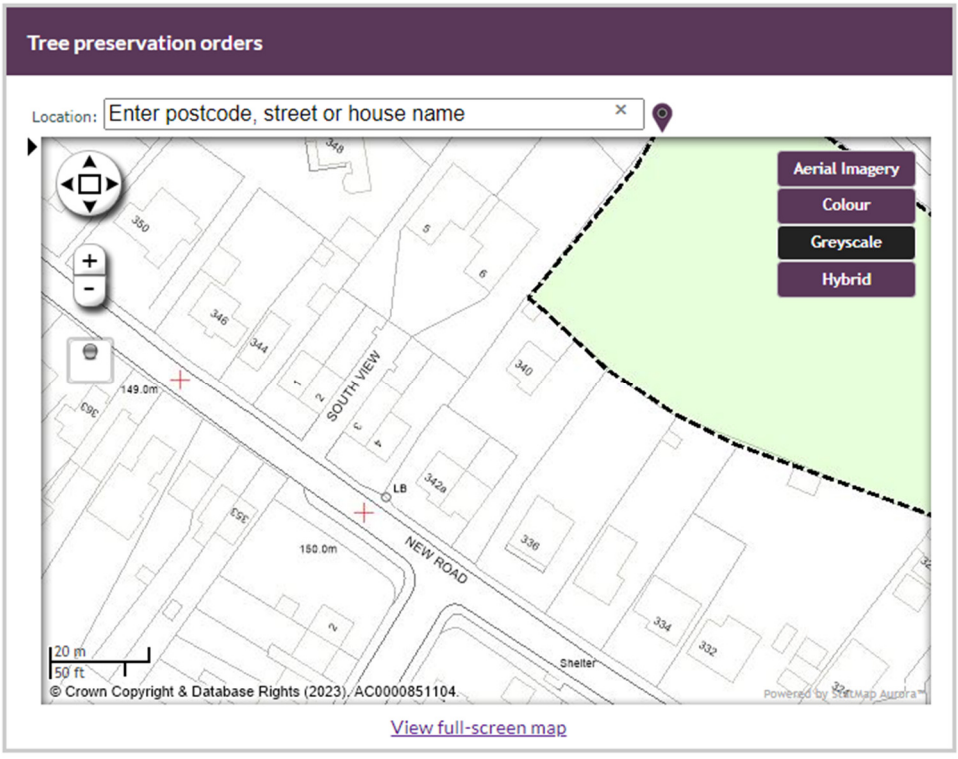
1.5 Legal

1.5.1 The following advice is for guidance purposes only. Some trees are

protected by legislation, and it is essential that the legal status of trees is established prior to carrying out works to them. Unauthorised work to protected trees could lead to prosecution, resulting in enforcement action such as fines or a criminal record. Tree Preservation Orders, Conservation Areas, Planning Conditions, Felling Licences or Restrictive Covenants legally protect many trees in the UK.

1.5.2 An online search was undertaken with Barnsley Metropolitan Borough Council on 21/08/23 to check whether any trees at the site are protected by a Tree Preservation Order or are located within a Conservation Area. Trees adjacent to the site are protected by a group Tree Preservation Order. As such all trees within the group are legally protected.

1.5.3 The accessed map image from Barnsley Metropolitan Borough Council is detailed below:



1.5.4 Before carrying out any works to the protected trees the permission of the local planning authority must be sought. There are large potential penalties for illegally carrying out work to protected trees.

1.5.5 Trees provide a wide range of habitats for many species, some of which are legally protected such as bats, nesting birds, badgers and dormice. It is essential that appropriate care is taken to ensure that this legislation is not contravened.

2. Method Statement Timeline

2.1 Overview of Sequence of Operations

2.1.1 In overview, it is necessary to undertake the following sequence of operations in relation to arboricultural input for development operations.

1 Method statement approved by the LPA

2 Undertake tree removals

3 Install tree protection fencing

4 Pre commencement meeting/ confirm fencing is as specified

5 Construct new development

6 Remove tree protection fencing

2.2 Specific Sequence of Operations

2.2.1 The following timeline table informs the key principles for development operations proceeding in relation to arboricultural requirements conditioned as part of this method statement.

2.2.2 The actions and timescales within this table must be adhered to in order to discharge the arboricultural method statement planning condition for this site.

2.2.3 The precise timing and order of some of the development operations may need to be changed due to site specific operational requirements, yet any operations that may affect the trees on the site must be done so under arboricultural supervision by a suitably qualified person appointed by the contractor.

Sequence of Operations		
Stages	***Action***	***Arboricultural Input***
1 Approval	This AMS is submitted to and approved in writing by the LPA.	If necessary, liaise with contractor and LPA to discuss methodologies detailed.
2 Tree Works	Tree removals and pruning works shall be carried out as the first operation on site, in accordance with Appendix 3 and as detailed in section 3.1.	Review the tree work requirements with the tree contractor. If necessary, liaise with the contractor on site during tree works.
3 Tree Protection	Installation of the tree protection fencing will take place as shown at Appendix 4, prior to any storage of plant, materials and machinery.	If necessary, liaise with the contractor installing the tree protection fencing until completed to the standard specified in this method statement.
4 Site Meeting	Following installation of tree protection fencing, the LPA shall be invited to inspect the fencing and tree works, and discuss any other site operations that have implications for trees.	Meeting with a representative of the LPA and the site manager. Alternatively, contractor can confirm the tree protection fencing, and tree works are as specified by taking photographs.
5 Construction	Undertake the construction of the new development.	If necessary, liaise with the local authority and the site foreman to ensure any issues are adequately resolved.
6 Site Finishing	Removal of tree protection fencing must only be undertaken when all site traffic and machinery has left the site.	If acceptable to the LPA, the contractor can take photographs of the site to give to the LPA to gain approval for the removal of the tree protection fencing.

3. Tree Management

3.1 Tree Works

3.1.1 Adjacent Sycamore T5 requires removal to facilitate the development.

3.1.2 The tree requiring removal is detailed in red on the Tree Protection Plan at Appendix 4 and are detailed in the Tree Data and Works Schedule at Appendix 3.

3.1.3 T5 is adjacent and not under site ownership and the tree owner's permission is required to remove the tree.

3.1.4 T5 is protected by a Tree Preservation Order.

3.1.5 All tree work should be carried out according to British Standard 3998:2010 Tree Work - Recommendations.

3.1.6 When appointing a tree surgeon, only properly qualified and experienced companies should be used, who have adequate Public Liability and Employer's Liability Insurance.

4. Tree Protection

4.1 Tree Protection Fencing

4.1.1 The tree protection fencing for this site should be located as shown on the Tree Protection Plan at Appendix 4 (as illustrated with a thick orange line).

4.1.2 The tree protection fencing will be appropriate to the degree and proximity of likely construction works. In this instance, the default BS 5837:2012 tree protection fencing is deemed disproportionate. It is suggested (if acceptable by the LPA) an adequate level of protection for the trees could be provided by 'Plastic Mesh' type fencing (see Figure 1 at Appendix 1 for an example).

4.1.3 The precise fencing location may need to be slightly adjusted on site due to local site conditions, but is not expected to differ from that

shown on the Tree Protection Plan. The final fencing position must be agreed on by the LPA before the commencement of any site works.

4.1.4 The tree protection fencing details should be incorporated into relevant subsequent plans, method statements used for design purposes and construction drawings issued for use on site, to ensure that all interested parties are fully aware of the areas in which access and works may and may not take place.

4.1.5 The area enclosed by the fencing is referred to as the Construction Exclusion Zone (CEZ); this area should be considered a restricted area. No pedestrians, vehicles, storage of materials, equipment or machinery should be allowed within the CEZ unless specified in this method statement. The site manager must ensure that all personnel are aware of the restrictions that apply to the fenced-off area.

4.1.6 Once the fencing is erected, waterproof warning signs labelled 'Tree Protection Area' should be placed at 3m intervals to ensure that all personnel are aware of the restrictions that apply to the fenced-off area (see Figures 2 and 3 at Appendix 1 for example signs).

4.1.7 The tree protection fencing should be inspected for faults or damage by the site manager or other responsible named person on a regular basis and a written record kept. Any faults or defects should be repaired or replaced as soon as is reasonably practicable. The Tree Protection Fencing shall not be removed, breached or altered without prior written authorisation from the local planning authority and under arboricultural supervision by a suitable named responsible individual appointed by the site manager.

4.2 Drainage and Utilities

4.2.1 New drainage and underground utilities are to be positioned outside of the RPAs of retained trees, and above ground utilities will be routed away from areas where they are likely to interfere with the retained trees' crowns.

4.2.2 NJUG 10: Guidelines for the Planning, Installation and Maintenance of Utility Services in Proximity to Trees should be considered when installing services.

4.3 Additional Precautions

4.3.1 Allowance should be made for operations outside of the CEZ that could indirectly impact on trees. Including space for site huts, temporary toilet facilities (including their drainage) and other temporary structures; and space for storing (whether temporary or long-term) materials.

4.3.2 Care must be taken to prevent contamination with chemical spillages, including petrol, diesel and oils. Cement mixers and any other toxic materials should not be permitted within the RPA of the trees. Any materials whose accidental spillage would cause damage to a tree should be stored and handled well away from the outer edge of its RPA.

4.3.3 Fires on the site should be avoided if possible. Where they are unavoidable, and approved by the Local environmental health authority, they should not be lit in a position where heat could affect foliage or branches. The potential size of a fire and the wind direction should be considered when determining its location, and it should be attended always until safe enough to leave.

4.4 Post Construction Landscaping

4.4.1 Many of the trees on site may be subject to some form of landscaping or seeding beneath their canopies after the development phase. At this stage the protective fencing will have been removed and the property may be occupied.

4.4.2 Landscaping works should be carried out in such a way as to avoid ground level changes or deep digging. Tractor mounted rotovation or other mechanised cultivation methods must not be used.

4.4.3 No heavy machinery should be brought into the vicinity of retained trees.

4.4.4 Herbicides should be appropriate for the purpose and should not be used in such a way as to damage any retained trees or vegetation.

5. Signature

I trust this report provides all the required information.

Signed



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Adam Winson
Chartered Arboriculturist, MSc, BSc (Hons), MICFor, AIEEM

24th August 2023

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Appendix 1: Images and Figures



Figure 1: Plastic mesh fencing secured with heavy duty metal stakes



Figure 2: Warning sign for fencing



Figure 3: Example of A3 correx tree protection warning sign fixed to fencing panel

Appendix 2: Relevant Contact Details

Contact Name	Organisation/ Details	Contact Number	Contact E-mail
Tom Agus	White Agus	07515 469 502	tom@whiteagus.co.uk
Adam Winson	AWA Tree Consultants Ltd	0114 272 1124	adam@awatrees.com
Edward Jowett	Barnsley Tree Officer Development Management	01226 772557	edwardjowett@barnsley.gov.uk

	Tree Species			Measurements				Crown (m)					Tree Condition					Value		Management
Tree ID	*Common Name*	*Latin Name*	*Maturity*	*Height (m)*	*Stems*	*Stem Diameter (mm)*	*Estimated*	*Crown height*	*N*	*E*	*S*	*W*	*Roots*	*Stem*	*Crown*	*Comments*	*Physiological*	*Structural*	*Life Expectancy*	*Amenity*	*Category*	*Works*
G1	Privet	*Ligustrum ovalifolium*	Semi-mature	2	10	80	No	0	See plan				Privet hedge following boundary. Some screening value				Good	Good	20 to 40 yrs	Low	C	No works required
G2	Cypress	*Cupressus sp.*	Young	2.5	10	80	No	0	See plan				Line of planted ornamental Cypress varieties following fence line				Good	Good	20 to 40 yrs	Low	C	No works required
T3	Sycamore	*Acer pseudoplatanus*	Semi-mature	12	3	350, 100, 80	No	2	3.5	2	3	3.5	No visual defects. Limited access around base	Multiple stemmed at 0.5m. Vertical. Epicormic growths. Old pruning wounds. Stubs. Bark damage. Ivy covered	Minor deadwood. Old pruning wounds	Protected by Tree Preservation Order. Adjacent Sycamore other side of boundary wall/fence. On banking raised above site level. Access and ivy prevented detailed inspection. Part of a larger adjacent woodland group	Good	Good	20 to 40 yrs	Moderate	C	No works required
T4	Oak	*Quercus petraea*	Semi-mature	12	2	340	No	2	3.5	3	3.5	3	No visual defects. Limited access around base	Twin stemmed at 0.5m. Vertical. Old pruning wounds. Stubs. Ivy covered. Tight union	Minor deadwood. Old pruning wounds	Protected by Tree Preservation Order. Adjacent Oak situated other side of wall/fence. Situated on banking raised above site level. Part of larger woodland type group. Access and ivy prevented detailed inspection	Good	Good	>40 yrs	Moderate	C	No works required

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	Tree Species			Measurements				Crown (m)					Tree Condition						Value		Management
Tree ID	*Common Name*	*Latin Name*	*Maturity*	*Height (m)*	*Stems*	*Stem Diameter (mm)*	*Estimated*	*Crown height*	*N*	*E*	*S*	*W*	*Roots*	*Stem*	*Crown*	*Comments*	*Physiological*	*Structural*	*Life Expectancy*	*Amenity*	*Category*	*Works*
T5	Sycamore	*Acer pseudoplatanus*	Semi-mature	12	10	180	No	2	3	3	3.5	4	No visual defects. Limited access around base	Multiple stemmed at base. Vertical. Old pruning wounds. Stubs. Bark damage. Ivy covered. Tight union. Partially included bark	Minor deadwood	Protected by Tree Preservation Order. Adjacent Sycamore other side of boundary wall/fence. On banking raised above site level. Access and ivy prevented detailed inspection. Part of a larger adjacent woodland group	Good	Fair	20 to 40 yrs	Moderate	C	Removal required to facilitate development - Adjacent and not under site ownership - Tree owner's permission required to remove tree - Protected by Tree Preservation Order
G6	Oak, Maple, Ash, Hawthorn, Birch, Beech, Sorbus, Hazel	*Quercus sp., Acer sp., Fraxinus sp., Crataegus sp., Betula sp., Fagus sp., Sorbus sp., Corylus sp.*	Semi-mature	14	10	250	No	0	See plan				Protected by Tree Preservation Order. Adjacent woodland group extending away from site. Predominantly semi-mature Oak woodland with occasional other species. Mainly Oak, with occasional Sycamore, Ash, Hawthorn, Birch, Beech, Rowan, and Hazel. Good amenity value for surrounding residential area with good long-term prospects				Good	Good	>40 yrs	High	B	No works required

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Existing fence to act as tree protection fencing

T3

T4

G6

T5

Young Apple

Buddleia sapling

G2

G1

NORTH

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Appendix 4: Tree Protection Plan

340A New Road, Staincross, Barnsley
Ref: AWA5586AMS

BRITISH STANDARD 5837:2012

SCALE: 1:200 PAPER: A3

	TREE/ TREE GROUP/ HEDGE TO BE RETAINED
	TREE/ TREE GROUP/ HEDGE TO BE REMOVED
	RPA: ROOT PROTECTION AREA
	TREE STEM
	PLASTIC MESH TREE PROTECTION FENCING