TREE CONSULTANTS

# ARBORICULTURAL METHOD STATEMENT

to BS 5837:2012 at:

## ***Darley Yard, Worsbrough Bridge, Barnsley, S70 4SB***

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: *March 2024*

Reference: *AWA5857AMS*

Institute of Chartered Foresters
Registered Consultant

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# Contents

# 1. Introduction

## 1.1 Instruction

1.1.1 We were instructed to prepare an arboricultural method statement for the proposed development at: Darley Yard, Worsbrough Bridge, Barnsley, S70 4SB.

## 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 February 2024, detailed within Appendix 3 of this report.

## 1.3 Description of Development

1.3.1 It is proposed to demolish the existing building and build a new residential development with associated access, parking, landscaping and facilities. 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.

1.5.2 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.

1.5.3 An online search was undertaken with Barnsley Metropolitan Borough Council on 05/03/24 to check whether any trees at the site are protected by a Tree Preservation Order or are located within a Conservation Area. As of this date no trees at the site are protected by a Tree Preservation Order or are within a Conservation Area.

1.5.4 Before carrying out any works to protected trees the permission of the local planning authority is required. There are large potential penalties for illegally carrying out work to protected trees (unless such works are specified within full Planning Permission).

1.5.5 The Multi-Agency Geographical Information for the Countryside (MAGIC) website was used to search for areas of ancient woodlands listed on the Ancient Woodland (DEFRA 2021), and a check for catalogued Ancient and Veteran trees using the woodland trust ancient tree inventory (Woodland Trust 2021).

1.5.6 It was confirmed that there are no designated ancient woodlands or veteran trees within the survey area.

1.5.7 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.

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

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

# 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 works

3 Install tree protection measures

4 Demolish existing building

5 Construct new development

## 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 measures 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 measures until completed to the standard specified in this method statement. |
| **4 Demolition** | Undertake the demolition of the existing building. | If necessary, liaise with the local authority and the site foreman to ensure any issues are adequately resolved. |
| **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. |

# 3. Tree Management

## 3.1 Tree Works

3.1.1 2 trees will require pruning works to facilitate the development – these are T4 and T5.

3.1.2 The crowns of T4 and T5 both overhang into the footprint of the proposed garage. Crown lift T4 and T5 by 1 – 2m and crown reduce by 2m to facilitate the development. Do not prune beyond the boundary.

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

3.1.4 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 In this instance, there is existing fencing and hard standing within the site that provides adequate protection for all trees. There is no need for additional Tree Protection Fencing in this case.

4.1.2 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.

4.1.3 On the existing fencing, 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 at Appendix 1 for example signs).

# 5. Works Close To Retained Trees

## 5.1 Demolition

5.1.1 The demolition of the existing building at the site will take place close to and within the RPAs of retained trees T2 – T5.

5.1.2 The demolition works should not adversely impact on the health or future condition of the trees provided the demolition is undertaken from the north and east, inwards from within the footprint of the existing cart shed (often referred to as "top down, pull back"), with care taken not to damage the overhanging crowns of T3 – T5.

5.1.3 All plant and vehicles engaged in the demolition works should operate outside of the RPAs of retained trees.

5.1.4 Where an existing hard surface is scheduled for removal, care should be taken not to disturb tree roots that might be present beneath it. Hand-held tools should be used to remove the existing surface, working backwards over the area. If a new hard surface is to be laid, it might be preferable to leave any existing sub-base in situ, augmenting it where required.

5.1.5 The advice of the project arboriculturist should be sought where underground structures present within the RPA are, or will become, redundant. In general, it is preferable to leave such structures in situ, as their removal could damage adjacent tree roots.

## 5.2 Construction of New Structures

5.2.1 The new development encroaches close to and into the edge of the RPA's of T3, T4 and T5.

5.2.2 Construction within the RPA can have negative impacts on tree roots. However, the encroachment is minor, and the extent of roots in the area has likely been limited by existing hard standing and buildings on site. As such, it is unlikely that significant roots will be within these areas and the retained tree should remain largely unaffected by the works, provided care is taken during construction.

## 5.3 New Boundary Fencing

5.3.1 New boundary fencing is to be installed within the RPAs of retained trees G1 and T2.

5.3.2 The encroachment into the trees' RPAs should not significantly adversely impact on the health or future condition of the trees, provided posts and panels type footings are used as opposed to strip footings, with the holes for the posts dug by hand, avoiding significant tree roots where possible.

## 5.4 Drainage and Utilities

5.4.1 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.

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

## 5.5 Additional Precautions

5.5.1 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.

5.5.2 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.

5.5.3 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.

## 5.6 Post Construction Landscaping

5.6.1 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.

5.6.2 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.

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

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

# 6. Signature

I trust this report provides all the required information.

Signed

.....

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

6th March 2024

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# Appendix 1: Images and Figures

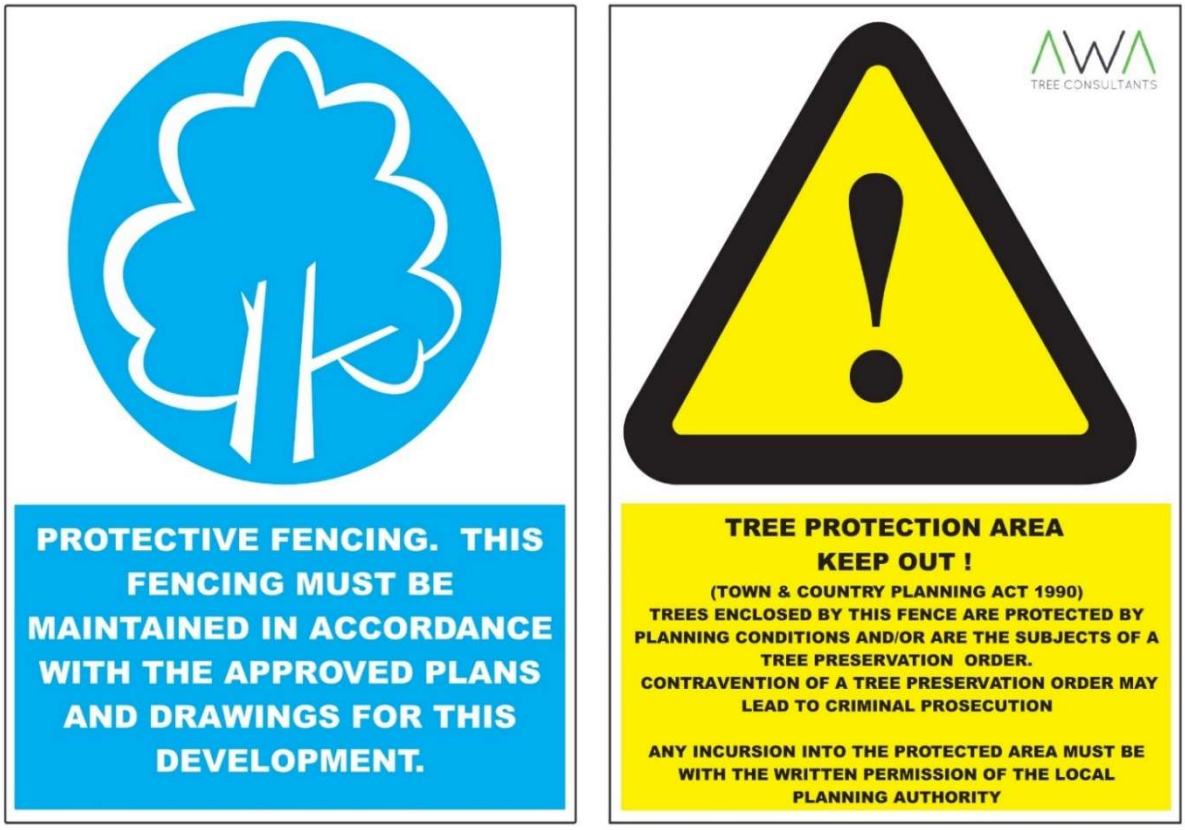


Figure 1: Warning sign for fencing

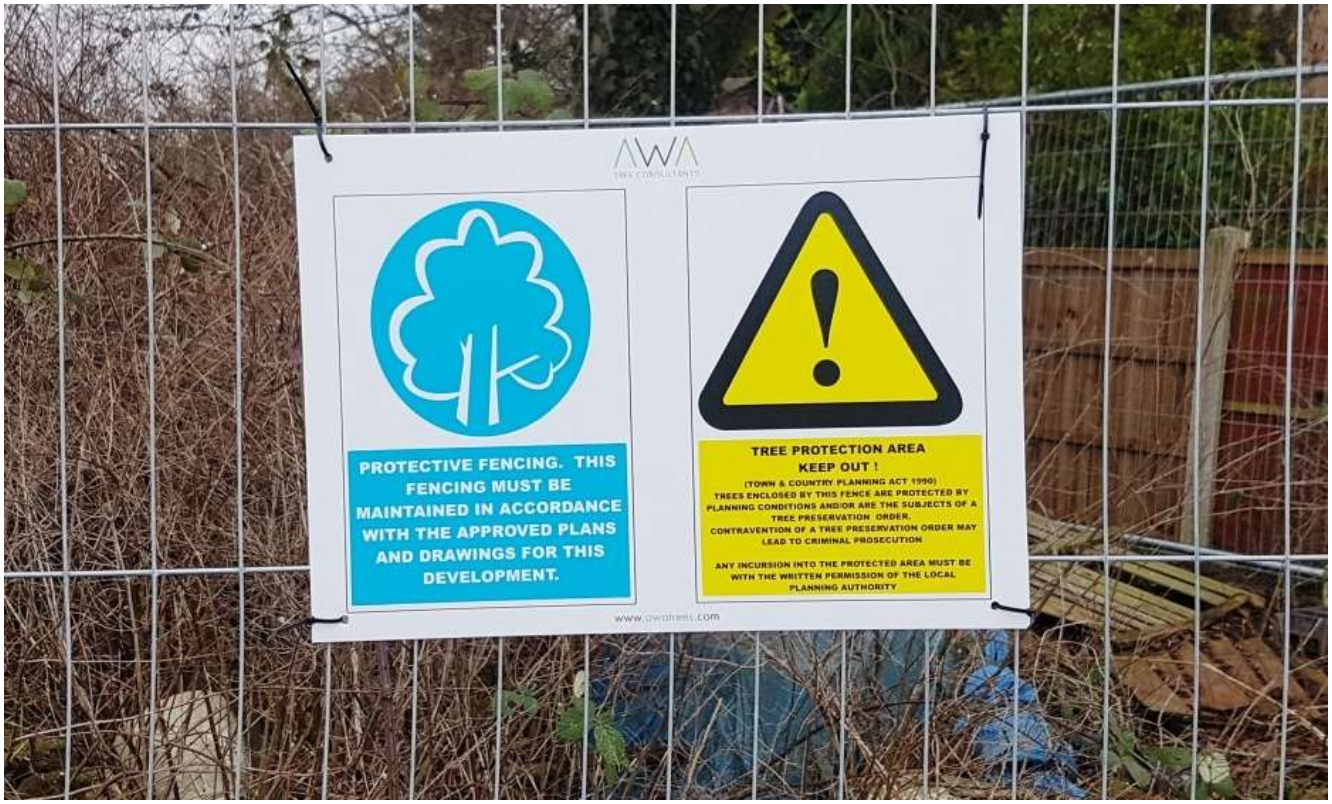

Figure 2: Example of A3 correx tree protection warning sign fixed to fencing panel

# Appendix 2: Relevant Contact Details

| Contact Name | Organisation/ Details | Contact Number | Contact E-mail |
|---|---|---|---|
| Tom Agus | White Agus Ltd | 01226 208 482 | 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 | Willow | *Salix sp.* | Semi-mature | 3 | 10+ | 70 avg. | Yes | 1 | 3 | 3 | 3 | 3 | Self set adjacent willow saplings group beyond boundary fencing | | | | Fair | Fair | 20 to 40 yrs | Low | C | No works required to facilitate the development. |
| T2 | Willow | *Salix sp.* | Early-mature | 6 | 6 | 100 avg. | Yes | 1.5 | 5 | 6 | 6 | 5 | Limited access around base | Mutiple stemmed at base. Vertical. Tight unions and partially included bark. | Overhanging into site. Old pruning wounds. | Self set Willow situated beyond boundary fencing. Overhanging existing building on site | Fair | Fair | 20 to 40 yrs | Low | C | No works required to facilitate the development. |
| T3 | Elder | *Sambucus nigra* | Early-mature | 6 | 4 | 250, 200, 200, 50 | No | 1 | 5 | 6 | 4 | 4 | Limited access around base | Mutiple stemmed at base. Vertical. Tight unions and partially included bark. | Moderate deadwood in the crown. Moderate dieback. Overhanging into site. | Multiple stemmed Elder with moderate deadwood and dieback in crown. Some stems in contact with fence. Self set beyond boundary fencing and overhanging existing property. | Fair | Poor | 10 to 20 yrs | Low | C | No works required to facilitate the development. |
| T4 | Willow | *Salix sp.* | Early-mature | 15 | 6 | 150 avg. | Yes | 4 | 6 | 6 | 7 | 6 | Limited access around base | Mutiple stemmed at base. Vertical. Tight unions and partially included bark. Heavily ivy covered. | Minor deadwood. Heavily ivy covered. | Self set adjacent Willow. Stem and crown are heavily ivy covered. Access is limited. | Fair | Fair | 20 to 40 yrs | Low | C | Pruning works required to facilitate the development. Crown lift by 1 - 2m and reduce by 2m to facilitate the proposed building. |
| T5 | Willow | *Salix sp.* | Early-mature | 15 | 6 | 150 avg. | Yes | 4 | 6 | 6 | 7 | 6 | Limited access around base | Mutiple stemmed at base. Vertical. Tight unions and partially included bark. Heavily ivy covered. | Minor deadwood. Heavily ivy covered. | Self set adjacent Willow. Stem and crown are heavily ivy covered. Access is limited. | Fair | Fair | 20 to 40 yrs | Low | C | Pruning works required to facilitate the development. Crown lift by 1 - 2m and reduce by 2m to facilitate the proposed building. |

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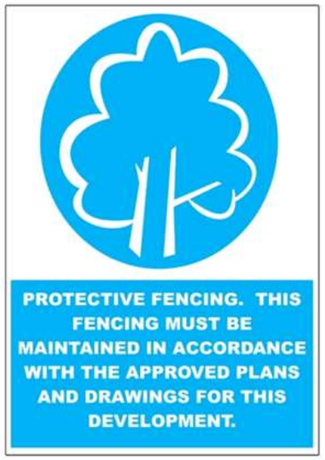


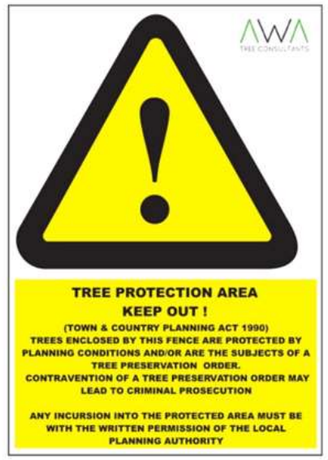


Inset 1: Warning Signs for Fencing

T5

T4

Cherry laurel

Existing fencing and hard standing here provides adequate protection for T3 - T5

T3

T2

G1

Existing building to be demolished using "top down, pull back" method from the north and east

Existing fencing and hard standing here provides adequate protection for G1 - T2

NORTH

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Appendix 4:
Tree Protection Plan

Darley Yard, Worsbrough Bridge, Barnsley, S70 4SB
Ref: AWA5857AMS

BRITISH STANDARD 5837:2012

SCALE: 1:200 PAPER: A3

| | |
|---|---|
| | TREES TO BE RETAINED |
| | TREES TO BE REMOVED |
| | TREE STEM |
| | TREE STEM TO BE REMOVED |
| | RPA: ROOT PROTECTION AREA |