TREE CONSULTANTS

# ARBORICULTURAL METHOD STATEMENT

to BS 5837:2012 at:

## *5 Willow Bank, Barnsley, S75 1BN*

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:
***NYPAS Ltd***

Date: *January 2025*

Reference: *AWA6389AMS*

*TMP006 – D*
*Template Revision 01*
*Auth By: APW*
*Date: 09/09/2024*

Institute of Chartered Foresters
Registered Consultant

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# Contents

# 1. Introduction

## 1.1 Instruction

1.1.1 We were instructed by NYPAS Ltd to prepare an arboricultural method statement for the proposed development.

## 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 January 2025, detailed within Appendix 3 of this report.

## 1.3 Description of Development

1.3.1 It is proposed to extend the existing property to the north for a proposed games room. 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.

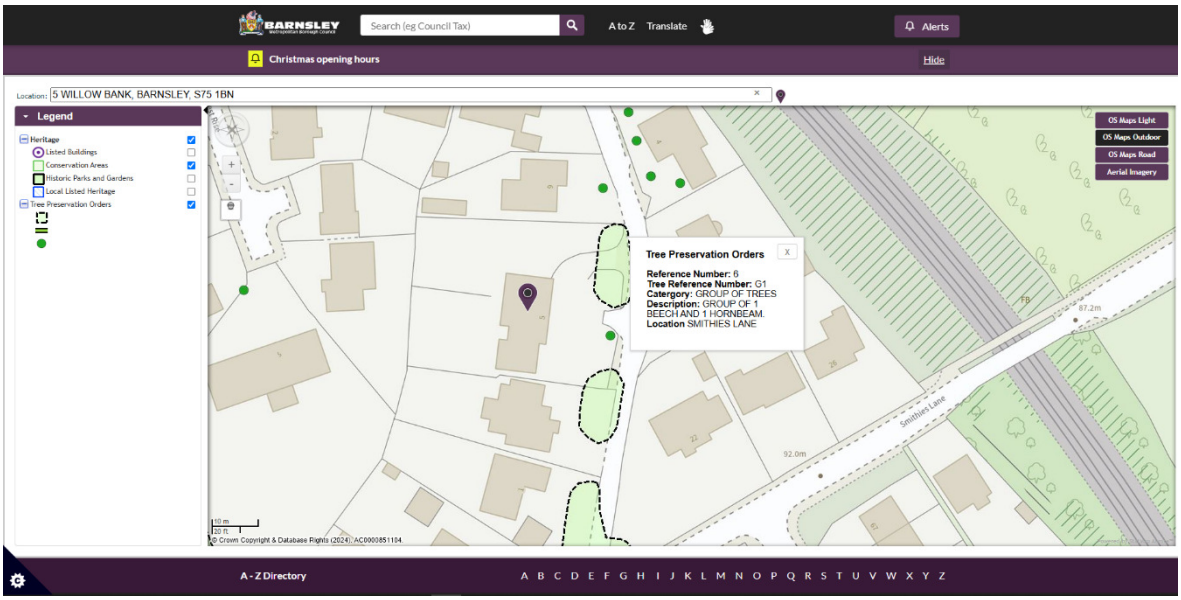
## 1.5 Legal

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 07/01/24 to check whether any trees at the site are protected by a Tree Preservation Order or are located within a Conservation Area. The site is not located within a Conservation Area. Some trees at the site are protected by a Tree Preservation Order (Ref: 6/G1, 6/T2 and 6/G2).

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




1.5.5 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. Statutory permission is not required for the removal of deadwood.

1.5.6 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 (ATI) (Woodland Trust 2021).

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

1.5.8 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.

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

1.5.10 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 Pre commencement meeting/ confirm fencing is as specified

5 Construct new development

6 Remove tree protection fencing and undertake paving/soft landscaping within RPAs.

## 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 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 Site Meeting** | Following installation of tree protection measures, the LPA shall be invited to inspect the fencing 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 protection measures, 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. Undertake associated landscaping within RPAs. | 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 Pruning works to G7: G7 requires minor pruning back from the south to facilitate the proposed games room. Reduce the southern crown by 1m to provide adequate clearance for the proposed development. Do not prune beyond the boundary.

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

3.1.3 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 purple or orange line).

4.1.2 The tree protection fencing will be appropriate to the degree and proximity of likely construction works. In this instance, due to the ground conditions an adequate level of protection for the trees could be provided by a mix of plastic mesh fencing and secured 'Heras' type fencing, of welded mesh panels on rubber or concrete feet (see Figures at Appendix 1 for examples).

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 fencing should be joined together using a minimum of two anti-tamper couplers, installed so that they can only be removed from inside the fence (see Appendix 1 for an example). The fencing panels should be supported on the inner side by stabilizer struts, which should normally be attached to a base plate secured with ground pins or mounted on a block tray (see Appendix 1 for an example).

4.1.6 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.

4.1.7 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 at Appendix 1 for example signs).

4.1.8 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 Ground Protection Boards

4.2.1 The development work is within the exposed RPA of retained trees. As such, ground protection will be required within the RPA of T1 to avoid compaction of the soil which can arise from the single passage of a heavy vehicle, especially in wet conditions, so that tree root functions remain unimpaired.

4.2.2 Interlinked ground protection boards should be used (see Appendix 1 for an example). They should be located as shown on the Tree Protection Plan at Appendix 4 (as illustrated with a light blue hatched area).

4.2.3 The precise location of the boards may need to be slightly adjusted on site due to local site conditions, but is not expected to differ significantly from that shown on the Tree Protection Plan.

4.2.4 The new temporary ground protection should be capable of supporting any traffic entering or using the site without being distorted or causing compaction of underlying soil.

4.2.5 For pedestrian movements only, a single thickness of scaffold boards placed either on top of a driven scaffold frame, so as to form a suspended walkway, or on top of a compression-resistant layer (e.g. 100 mm depth of woodchip), laid onto a geotextile membrane.

4.2.6 For pedestrian-operated plant up to a gross weight of 2t, proprietary, inter-linked ground protection boards placed on top of a compression-resistant layer (e.g. 150 mm depth of woodchip), laid onto a geotextile membrane.

# 5. Works Close To Retained Trees

## 5.1 Drainage and Utilities

5.1.1 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.

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

## 5.2 Additional Precautions

5.2.1 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.

5.2.2 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.

5.2.3 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.

## 5.3 Post Construction Landscaping

5.3.1 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.

5.3.2 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.

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

5.3.4 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*

**13th January 2025**

**AWA Tree Consultants Limited**
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# Appendix 1: Images and Figures

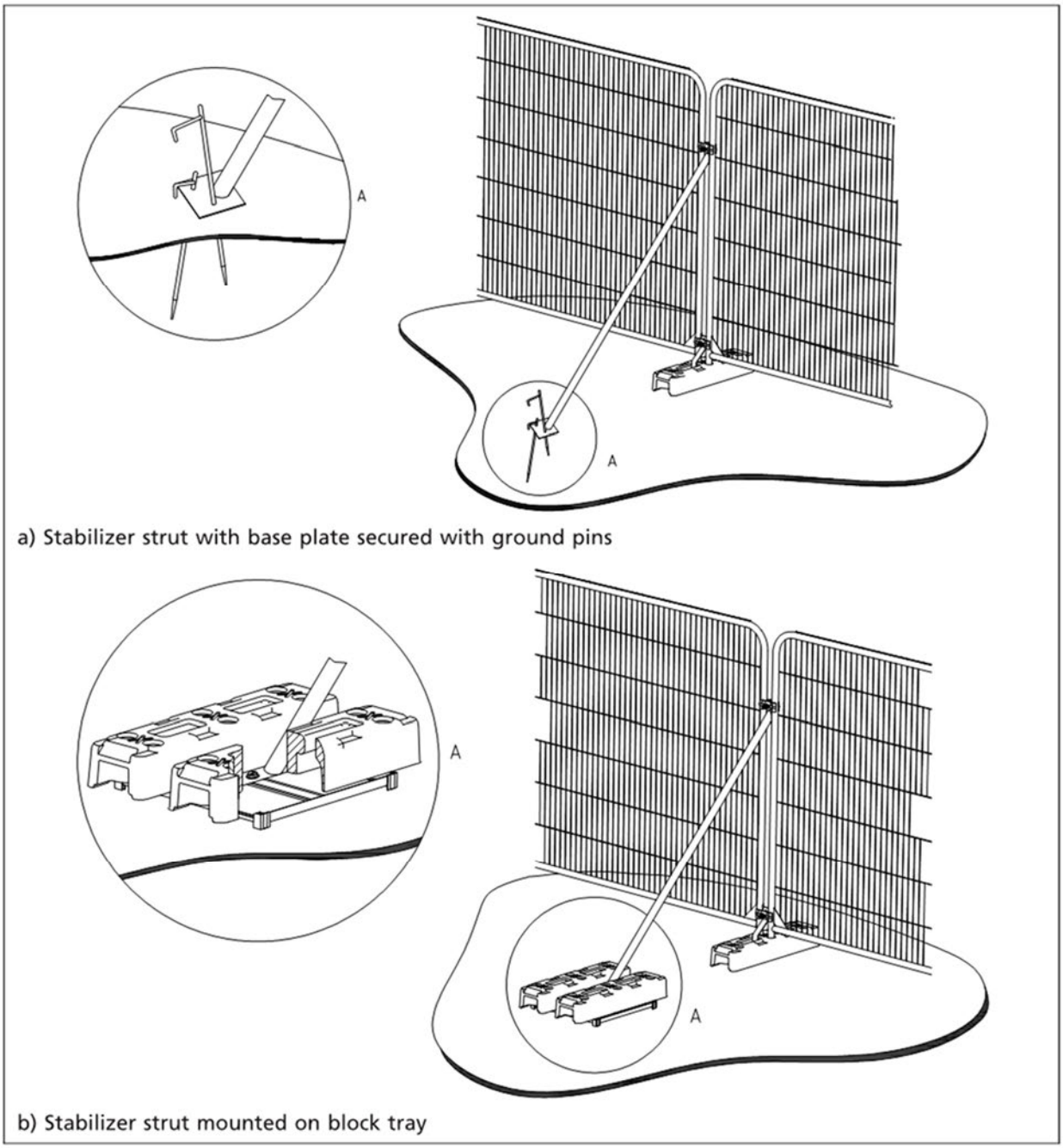


Figure 1: Secured 'Heras' type fencing with stabilizing system and fixed central pins (©BSI)

Figure 2: Secured 'Heras' type fencing with stabilizing system and anti-tamper couplers

Figure 3: Anti-tamper couplers to secure fencing and avoid unauthorised access

Figure 4: Plastic mesh fencing secured with heavy duty metal stakes


Figure 5: Warning sign for fencing

Figure 6: Example of A3 correx tree protection warning sign fixed to fencing panel


Figure 7: Interlinked ground protection boards placed on top woodchip

# Appendix 2: Relevant Contact Details

| Contact Name | Organisation/ Details | Contact Number | Contact E-mail |
|---|---|---|---|
| Scott Dunwell | NYPAS Ltd | [redacted] | [redacted] |
| Adam Winson | AWA Tree Consultants Ltd | [redacted] | [redacted] |
| Edward Jowett | Barnsley Tree Officer Development Management | [redacted] | [redacted] |

| | 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* |
| T1 | Beech | *Fagus sylvatica* | Mature | 20 | 1 | 1200 | No | 3 | 12 | 13 | 13 | 12 | Limited access around base | Single stemmed. Vertical. Old pruning wounds. Ivy covered. Stubs. Tight union. Partially included bark | Old pruning wounds. Minor deadwood | Situated within raised planting area adjacent to driveway. Heavily ivy covered preventing detailed inspection. Has been crown lifted previously above the road and the telephone wires. Telephone wires running through the eastern crown. Likely covered by a Tree Protection Order (Ref:6/G1). | Good | Good | >40 yrs | Moderate | A | No works required to facilitate the development. |
| T2 | Sycamore | *Acer pseudoplatanus* | Early-mature | 17 | 1 | 500 | Yes | 4 | 4 | 5 | 5.5 | 6 | Limited access around base | Single stemmed. Vertical. Epicormic growths. Old pruning wounds. Stubs | Old pruning wounds. Minor dieback. Minor deadwood | Shrubs at base prevented detailed inspection. In raised planting area adjacent to driveway. Has been pruned above road and telephone wires in the past. Twin stemmed at approximately 2.5m. Telephone wires in the eastern crown. Likely covered by a Tree Protection Order (Ref: 6/T2). | Good | Good | >40 yrs | Moderate | B | No works required to facilitate the development. |
| T3 | Sawara Cypress | *Chamaecyparis pisifera* | Semi-mature | 6 | 3 | 50, 100, 100 | Yes | 0 | 0.5 | 0.5 | 0.5 | 0.5 | No visual defects | Multiple stemmed at base. Vertical. Old pruning wounds. Epicormic growths. Stubs | Old pruning wounds. Minor deadwood | In planting area in garden. | Good | Good | >40 yrs | Low | C | No works required to facilitate the development. |

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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* |
| T4 | Sycamore | *Acer pseudoplatanus* | Early-mature | 16 | 1 | 650 | No | 3 | 6 | 6 | 5 | 6 | No visual defects | Single stemmed. Vertical. Epicormic growths. Old pruning wounds. Stubs. Ivy covered | Minor dieback. Old pruning wounds. Minor deadwood | In corner of garden in planted area. Telephone wires through the north, east and south crown. Has been crown lifted over the road and driveway. Ivy beginning to become established. Likely covered by a Tree Preservation Order (Ref:6/G2). | Good | Good | >40 yrs | Moderate | B | No works required to facilitate the development. |
| T5 | Lawson Cypress | *Chamaecyparis lawsoniana* | Semi-mature | 6 | 1 | 250 | No | 1 | 2 | 2 | 2 | 2 | No visual defects | Single stemmed. Vertical. Epicormic growths. Old pruning wounds. Stubs | Old pruning wounds. Minor deadwood | | Good | Good | >40 yrs | Low | C | No works required to facilitate the development. |
| T6 | Sawara Cypress | *Chamaecyparis pisifera* | Semi-mature | 8 | 1 | 230 | No | 1 | 2 | 2 | 2 | 2 | Limited access around base | Single stemmed. Vertical. Epicormic growths. Old pruning wounds. Stubs. Ivy covered | Old pruning wounds. Minor dieback. Minor deadwood | Ivy beginning to establish on the stem. | Good | Good | >40 yrs | Low | C | No works required to facilitate the development. |

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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* |
| G7 | Cypress, Cherry, Laurel, Berberi and Holly | *Cupressus sp., Prunus sp., Berberis sp., Ilex sp.* | Semi-mature | 4 | 10+ | 100 avg. | Yes | 0 | See plan | | | | Mixed species hedgerow type group consisting of Cypress, Cherry Laurel, Berberi and Holly. Likely planted. Forms screening between here and adjacent property. Pruned into shape. | | | | Good | Good | >40 yrs | Low | C | Minor pruning works required to facilitate the development. Reduce the southern crown by 1m to provide adequate clearance for the proposed games room. Do not prune beyond the boundary. |
| T8 | Magnolia | *Magnolia sp.* | Semi-mature | 5.5 | 2 | 170, 170 | No | 2 | 2.5 | 3 | 2 | 3 | No visual defects | Vertical. Twin stemmed at base. Old pruning wounds. Epicormic growths. Stubs | Old pruning wounds. Minor deadwood | Planted within garden area. | Good | Good | >40 yrs | Low | C | No works required to facilitate the development. |
| T9 | Beech | *Fagus sylvatica* | Early-mature | 17 | 2 | 300, 300 | Yes | 5 | 6 | 7 | 6 | 5 | Limited access around base | Twin stemmed at 1m. Vertical. Epicormic growths. Old pruning wounds. Stubs | Old pruning wounds. Minor dieback. Minor deadwood | Within adjacent property with limited access at base. Measurements estimated. | Good | Good | >40 yrs | Moderate | B | No works required to facilitate the development. |
| T10 | Cherry | *Prunus sp.* | Semi-mature | 7 | 1 | 380 | No | 2 | 3 | 5 | 7 | 1 | No visual defects | Single stemmed. Vertical. Epicormic growths. Old pruning wounds. Stubs | Old pruning wounds. Minor dieback. Minor deadwood | Has been previously topped at 2m. Has been harshly pruned back in the past with some epicormics growths. Bird box attached to stem. Some cavities with decay on the branches in the crown. Situated unsuitably close to shed. | Fair | Good | 10 to 20 yrs | Low | C | No works required to facilitate the development. |

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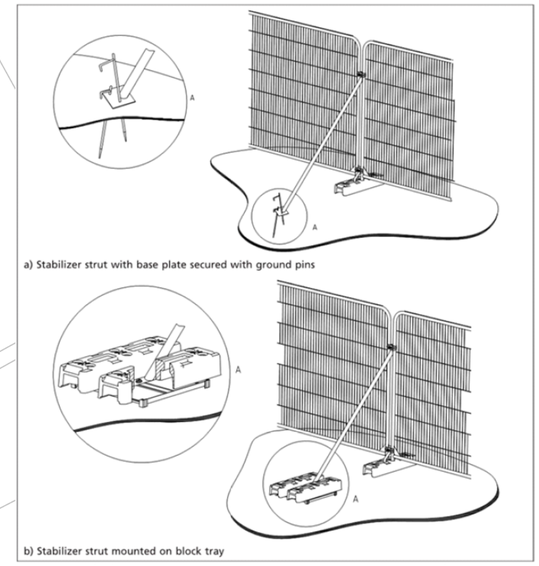
| | Tree Species | | | Measurements | | | | Crown (m) | | | | | Tree Condition | | | | | | Value | | Management |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *Tree ID* | *Common Name* | *Latin Name* | *Maturity* | *Height (m)* | *Stems* | *Stem Diameter (mm)* | *Estimated* | *Crown height* | *N* | *E* | *S* | *W* | *Roots* | *Stem* | *Crown* | *Comments* | *Physiological* | *Structural* | *Life Expectancy* | *Amenity* | *Category* | *Works* |
| T11 | Birch | *Betula pendula* | Early-mature | 12 | 1 | 380 | No | 3 | 3 | 3 | 4 | 3.5 | No visual defects | Single stemmed. Slight lean. Epicormic growths. Old pruning wounds. Stubs | Old pruning wounds. Minor dieback. Minor deadwood | Limb above garage has been previously removed. Slightly leaning eastwards but corrects itself at 4m. Dead ivy covered on stem. | Fair | Fair | 20 to 40 yrs | Low | C | No works required to facilitate the development. |

Inset 1: 'Mesh' Tree Protection Fencing




Inset 3: 'Heras' Tree Protection Fencing

Cypress Cypress Cypress G7 Holly

Plastic mesh fencing to follow the edge of the crowns of G7 and T8 here

PROPOSED GAMES ROOM

T1

10.5 m

1.5 m

12.0 m

T8

T2

5.0 m

5.5 m

Fencing to follow the existing stone garden wall

Existing driveway and hardstanding will protect the RPAs of T1, T2 and T4 here

Hedgerow

T9

6.5 m

T10

Cherry Laurel

5.0 m

T11

T3

Viburnum

8.5 m

Hedge

T6

T5

T4

Inset 2: Warning Signs for Tree Protection Fencing



Inset 4: Ground Protection Boards

NORTH

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Appendix 4:
Tree Protection Plan

5 Willow Bank, Barnsley, S75 1BN
Ref: AWA6389AMS

BRITISH STANDARD 5837:2012

SCALE: 1:200 PAPER: A2

| | |
|---|---|
| | TREES TO BE RETAINED |
| | TREES TO BE REMOVED |
| | TREE STEM |
| | 'MESH' PROTECTION FENCING |
| | 'HERAS' PROTECTION FENCING |
| | GROUND PROTECTION BOARDS |
| | RPA: ROOT PROTECTION AREA |