



ARBORICULTURAL METHOD STATEMENT

to BS 5837:2012 at

*Land adjacent to
Thurgoland Hall Lane,
Thurgoland,
Sheffield,
South Yorkshire
S35 7EA*

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:
Dan-Wood Central and East England
Dan-Wood House,
10 Gladstone Mews,
Ranmoor,
Sheffield
S10 3HS

Date: January 2017
Reference: AWA1771

 Institute of
Chartered Foresters
Registered Consultant

Office: 0114 272 1124 Mobile: 0776 631 0880 Email: info@awatrees.com Website: awatrees.com
Union Forge, 27 Mowbray Street, Sheffield, S3 6EN. AWA Tree Consultants Limited, Company No. 8520123. Registered in England & Wales.

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1. Introduction

1.1 Instruction

1.1.1 I am instructed by Paul Barron of Dan-Wood Central and East England, to prepare an arboricultural method statement for the proposed development at:

- **Land adjacent to Thurgoland Hall Lane, Thurgoland, Sheffield, S35 7EA**

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 April 2015, detailed within the tree survey Ref: AWA1349.

1.3 Details of Consent

1.3.1 Planning permission was granted for this development subject to conditions. Planning condition No.9 relates to the protection of trees at the site:

- *No development or other operations being undertaken on site shall take place until the following documents in accordance with British Standard 5837:2012 Trees in relation to design, demolition and construction – Recommendations have been submitted to and approved in writing by the Local Planning Authority:*
- *Tree protective barrier details*
- *Tree protection plan*
- *Arboricultural method statement*
- *Reason: To ensure the continued wellbeing of the trees in the interests of the amenity of the locality in accordance with Core Strategy Policy CSP 36 Biodiversity and Geodiversity.*

1.3.2 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.

- 1.3.3 The contents of this report must be adhered to, before, during, and after the construction phase.

1.4 Description of Development

- 1.4.1 It is proposed to build new residential property with associated access driveway and facilities. The proposed development layout has been provided by my client and is the basis for the Tree Protection Plan (TPP) at Appendix 3.

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 Install protective fencing
- 3 Pre-commencement meeting/ confirm fencing is as specified
- 4 Construction of new residential property
- 5 Removal of tree protection

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 Protective Fencing	Installing the tree protective measures will take place prior to any storage of plant, materials and machinery. As shown at Appendix 3.	If necessary, liaise with the contractor installing the protective fencing until completed to the standard specified in this method statement.
3 Site Meeting	Following installation of Tree Protection Fencing, the LPA shall be invited to inspect the fencing, assess the 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 fencing, and tree works are as specified by taking photographs of the tree protection measures.
4 Construction	Undertake the construction of the new development.	Provide ongoing arboricultural advice and supervision of contractors during construction. If necessary, liaise with the local authority and the site foreman to ensure any issues are adequately resolved.
5 Site Finishing	Removal of tree protection measures must only be undertaken when all site traffic and machinery has left the site.	If acceptable to the LPA, the contractor can take photos of the site to give to the LPA to gain approval for the removal of protective fencing.

3. Tree Management

3.1 Tree Removals

- 3.1.1 Since the original tree survey, approved site clearance work has taken place, including the removal of G2, T3, T4, G5 and G7.
- 3.1.2 Trees that have been previously removed are highlighted in red on the plan at Appendix 3.

3.2 Pruning Works

- 3.2.1 Since the original tree survey, approved crown pruning work has been previously undertaken to T1.

4. Tree Protection

4.1 Tree Fencing

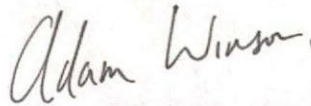
- 4.1.1 The protective fencing for this site should be located as shown on the Tree Protection Plan (TPP) at Appendix 3 (as illustrated with a thick purple line).
- 4.1.2 The precise fencing location may need to be slightly adjusted on site due to local site conditions, but is not expected to differ from that shown on the TPP. The final fencing position must be agreed on by the LPA before the commencement of any site works.
- 4.1.3 The protective fencing will be appropriate to the degree and proximity of likely construction works. In this instance, the default BS5837 (2012) tree protection fencing is deemed disproportionate.
- 4.1.4 It is suggested (if acceptable by the LPA) an adequate level of protection for the trees could be provided by 'Heras' type fencing, of welded mesh panels on rubber or concrete feet.
- 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 within 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 Appendix 1 for an example sign).
- 4.1.7 The protective 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.

5 Signature

I trust this report provides all the required information.

Signed



.....

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

26th January 2017

**AWA Tree Consultants Limited
Union Forge
27 Mowbray Street
Sheffield
S3 8EN**

www.awatrees.com

Appendix 1: Images and Figures

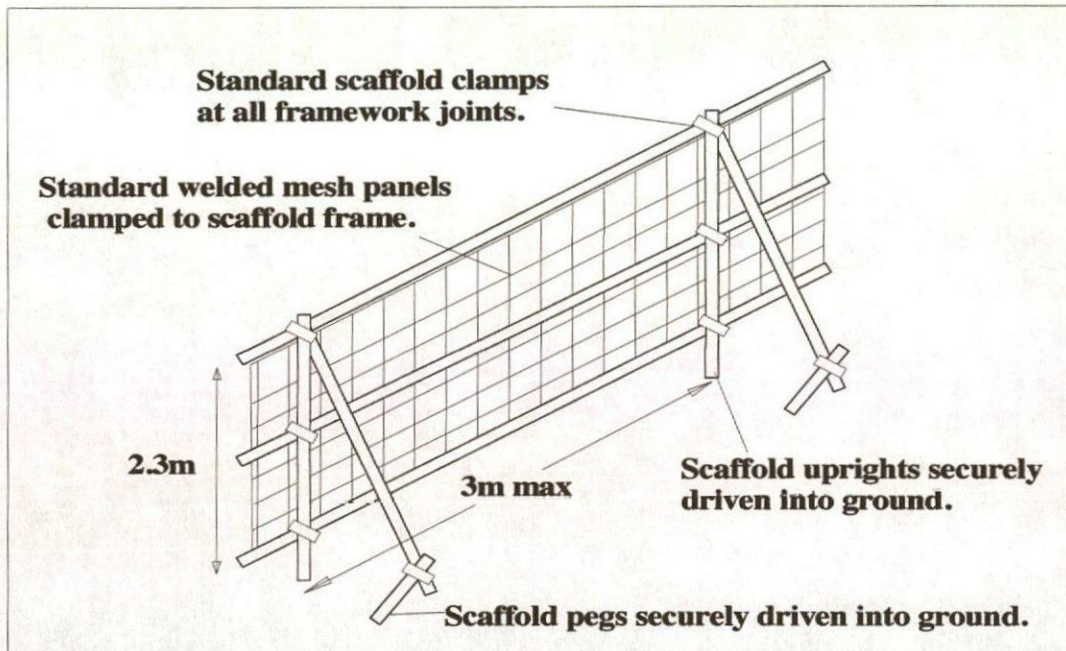


Figure 1: 'Fencing to BS 5837: 2012'.



Figure 2: 'Photo of Fencing to BS 5837: 2012'.



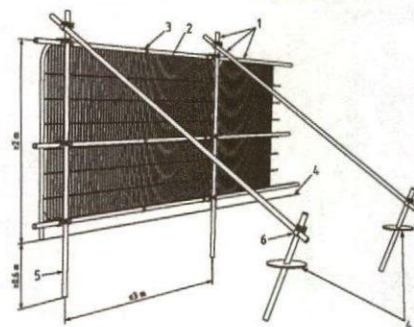
Figure 3: 'Example of warning sign for fencing'.

Appendix 2: Relevant Contact Details

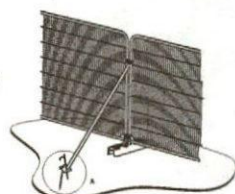
Contact Name	Organisation Details /	Contact Number	Contact E-mail
Edward Jowett	Barnsley Metropolitan Borough Council Tree Officer	01226 772557	edwardjowett@barnsley.gov.uk
Paul Barron	Dan-Wood Central and East England	0114 266 7711	paul.barron@dan-wood.com
Adam Winson	AWA Tree Consultants Ltd. Arboricultural Consultant	0114 272 1124	adam@awatrees.com

Appendix 3: Tree Protection Plan

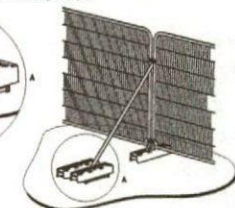
Inset 1: Examples of Tree Protection Fencing



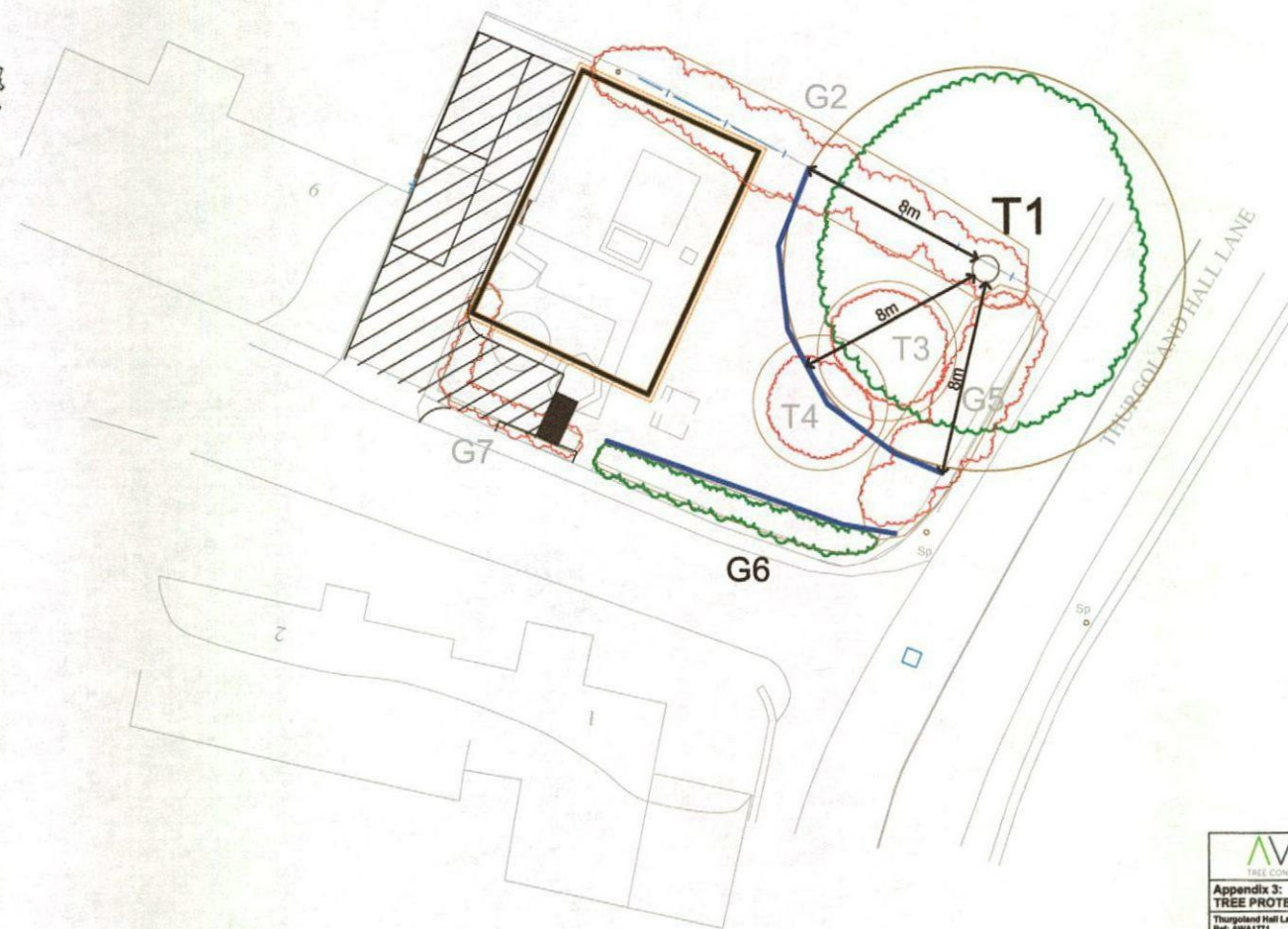
- Key**
- 1 Standard scaffold poles
 - 2 Heavy gauge 2 m tall galvanized tube and welded mesh infill panels
 - 3 Panels secured to uprights and cross-members with wire ties
 - 4 Ground level
 - 5 Uprights driven into the ground until secure (minimum depth 0.6 m)
 - 6 Standard scaffold clamps



a) Stabilizer strut with base plate secured with ground pins



b) Stabilizer strut mounted on block tray



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**Appendix 3:
TREE PROTECTION PLAN**
Thurgoland Hall Lane, Thurgoland
Ref: AWA1771

BRITISH STANDARD BS5837:2012
SCALE 1:200 PAPER A3

	TREES TO BE RETAINED
	TREES PREVIOUSLY REMOVED
	SHRUBS TO BE RETAINED
	TREE STEM
	TREE PROTECTION FENCING
	NEW ROOT PROTECTION AREA