

**B.S. 5837 Arboricultural
Method Statement
at
42 Dene Road
Northwood
HA6 2DA**

**Client: Dr and Mrs Panniah
42 Dene Road
Northwood
HA6 2DA**

Important note for demolition and construction contractors

This document includes requirements for arboricultural supervision by a suitably qualified arboricultural consultant in certain areas and techniques that may involve a specialised input. Adherence to these requirements is necessary for this document to comply with the Town and Country Planning Act 1990

Prepared by
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Date
27/06/2024

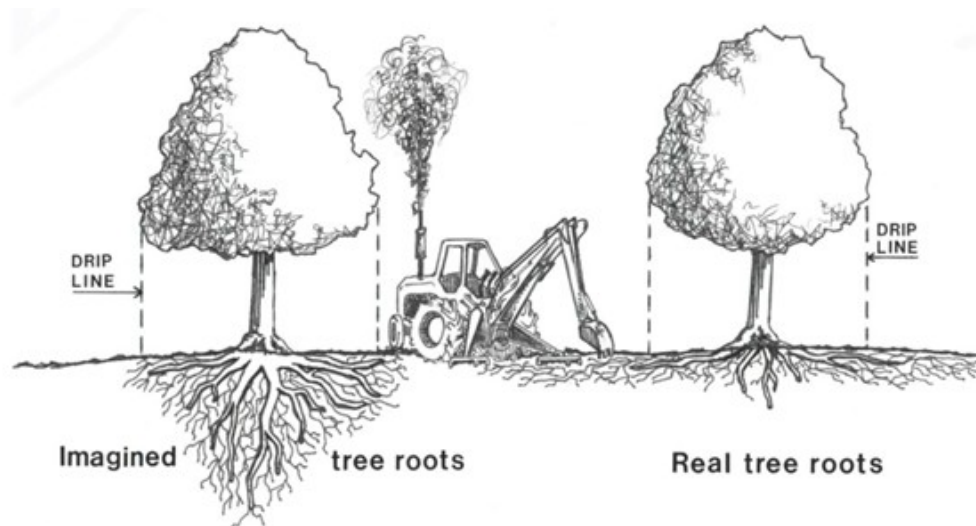


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Important information for site managers and all contractors and sub-contractors

This method statement has been prepared to address the protection of trees on the site you are working at. Construction works can be potentially damaging to trees in a number of ways, often because of misunderstanding or a lack of knowledge as to how trees grow and function.

The most vulnerable part of any tree is its root system. Contrary to popular belief, the roots of trees do not grow down deep in to the soil but occupy the upper 600mm, growing far beyond the drip line. Much of the root system of trees is all but invisible to the naked eye being made up of very fine roots sometimes only one cell thick. Added to this, the tree depends on an equally fine network of fungal mycorrhizae that help the roots secure nutrients and water. These too are highly vulnerable.



A diagrammatic representation of how a trees' roots really grow.

Tree roots can be damaged by:

- Excavations
- Soil compaction (driving a machine over the soil will cause roots to suffocate)
- Storing materials (resulting in soil compaction)
- Chemical storage/spills (including cement dust, cleaning tools, paint, etc)
- Burning fires
- Contractor parking
- Service trenches

Trees matter. Take care around the site and if you run into problems, contact the arboricultural consultant.

1.0 Brief:

- 1.1 I am instructed by Hawkins Eades Associates on behalf of Dr and Mrs. Panniah to prepare an Arboricultural Method Statement (AMS) in respect of a proposed development at 42 Dene Road Northwood HA6 2DA. The method statement is required to support a planning application for the development of the site.
- 1.2 The proposals are for the demolition of the existing and the erection of a new detached dwelling with associated parking and landscaping.
- 1.3 The method statement is based on the best available information at this stage of the planning process and may need to be updated in the context of a specific planning condition when the detail is known.
- 1.4 The purpose of the method statement is to explain how and when the protection measures should be installed, and how they are to be maintained for the duration of the development activity.

2.0 Arboricultural Supervision

- 2.1 An arboricultural consultant will be appointed by the developer prior to the commencement of any works on the site.
- 2.2 Prior to the commencement of works a set up meeting between the main contractor, any (relevant) sub-contractors, a representative from the LPA and the arboricultural consultant will take place. In the event the representative from the LPA is unable to attend, the arboricultural consultant will make a note of discussions and will advise the LPA in writing.
- 2.3 The meeting will establish a line of communication between the working parties and to understand the parameters of the site, underlining the importance of maintaining and respecting tree protection barriers.
- 2.4 At the meeting the Arboricultural Method Statement (AMS) is to be signed off by the person responsible for the day to day running of the site (normally the site foreman).
- 2.5 By signing off the AMS, the responsible person agrees that he/she has read and understood the method statement and agrees to adhere to it.
- 2.6 In the event of the responsible person being replaced at any time during the development it will be their responsibility to ensure the new person responsible for the site is made aware of the method statement and the need to adhere to the method statement.
- 2.7 A copy of this report will be permanently available on site for the duration of the development activity. It can also be copied for the purposes of tendering, planning the timing of operations and used as a reference as a general guide on

how to protect important trees.

- 2.8 Full scale (1:200) copies of the tree protection plans (appendices 1 and 2) are to be available at all times on site including a scale bar.
- 2.9 The tree work, that is agreed as part of the planning permission needed to implement the proposed scheme (i.e. felling or pruning works), will be undertaken before other works commence on site.
- 2.10 No other tree work is to take place without obtaining, in writing, the express consent of the Local Authority.
- 2.11 Once the site becomes active the Local Authority will be able to visit and monitor the site and to take enforcement action against any breaches of the planning permission including the failure to adhere to this method statement.
- 2.12 If required, the arboricultural consultant will be able to visit to record specific stages of the development (e.g. any specialised or sensitive stages of the construction process) and to be on hand to advise as necessary.
- 2.13 All site visits are to be recorded on paper and with accompanying photographs. The purpose of recording the visits is to
- (a) Provide the developer with proof of compliance in the event of any dispute
 - (b) Allow the LPA to discharge the relevant planning conditions
- 2.14 It should be noted that British Standard B.S. 5837:2012 ‘Trees in relation to design, demolition and construction - Recommendations’ states at section 6.3 that

‘...The project arboriculturist appointed by the developer can help monitor site activity, but enforcement is the responsibility of the local authority.’

3.0 The development

3.1 Overview

- 3.1.1 The expected programme of site development where arboricultural input is required is as follows:

1. Pre commencement meeting
2. Installation of protective fencing
3. Erection of main build
4. Removal of tree protection measures
5. Final landscaping

3.2 Erection of fencing

- 3.2.1 The tree protection plan (appendix 1) shows the line and position of the root

protection fencing to be erected prior to any other works taking place on site.

- 3.2.2 The root protection fencing installation shall be approached from within the central working zone to avoid damage within the root protection area itself, in accordance with the recommendations of BS 5837/2012 illustrated by Fig. 1.

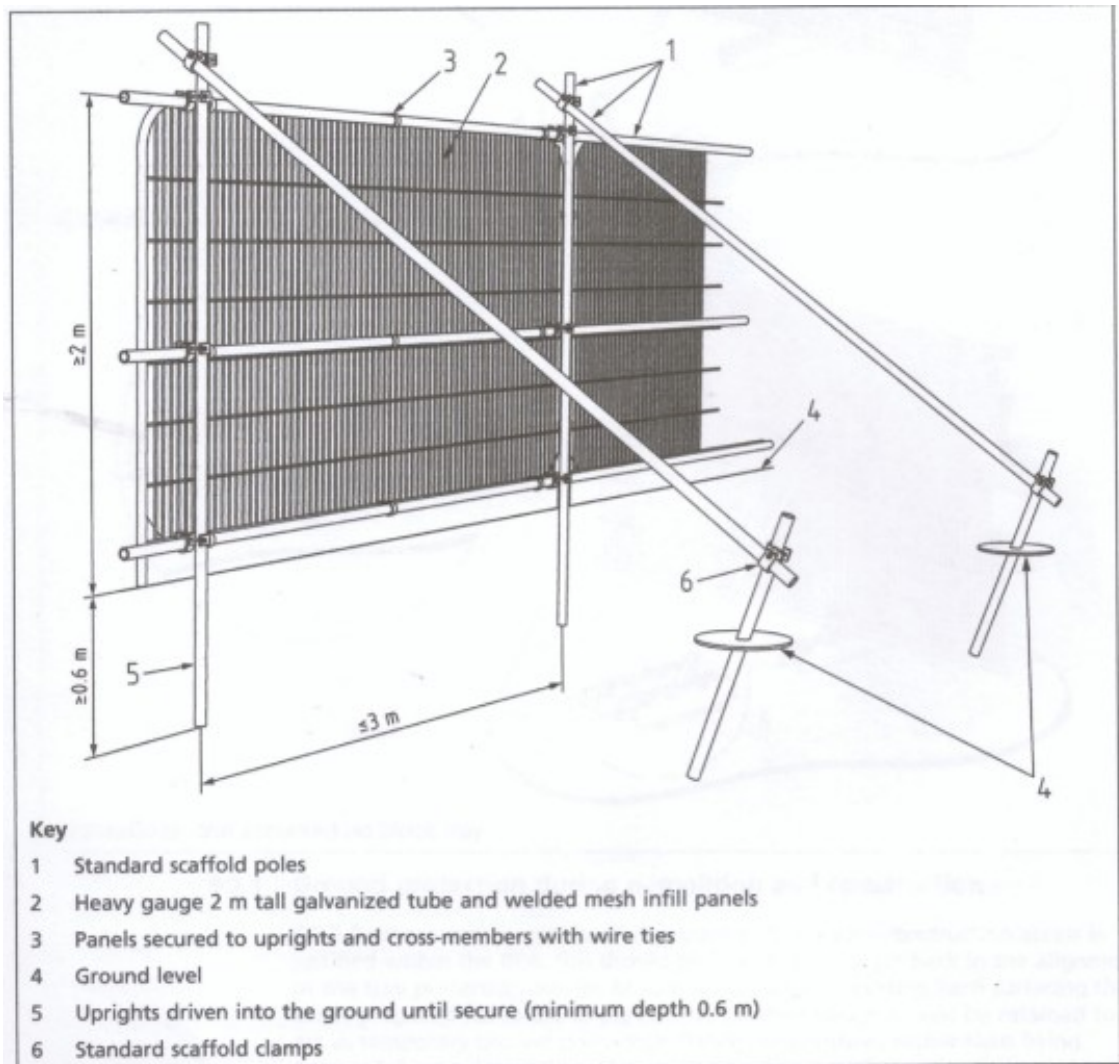


Fig. 1 Protective fencing in accordance with B.S. 5837

- 3.2.3 The fencing for the root protection zones shall be constructed of scaffold tube uprights (set at 3m intervals with diagonal braces driven securely into the ground). Thereafter 'Heras' type fencing shall be attached to the scaffold framework using either steel strapping or scaffold clamps. The fencing shall comply with the requirements of the British Standard B.S. 5837:2012 'Trees in relation to design, demolition and construction - Recommendations'.
- 3.2.4 The fenced off areas are to be regarded as a Construction Exclusion Zone (CEZ). This area is to be considered sacrosanct and strictly off limits to any construction activity including any movement of machinery, storage of materials or parking of contractors' vehicles.

- 3.2.5 The fencing protecting the RPA is not to be moved under any circumstances unless this has been specifically detailed in the AMS or agreed on site with the arboricultural consultant present.



Fig 2. Signage attached to fencing reinforces the protection afforded by these barriers

- 3.2.6 Ignoring the fencing barriers may constitute a breach of the planning permission and may also be regarded as in contravention of any formal tree protection that applies (Tree Preservation Orders/ Conservation Areas).
- 3.2.7 There is to be no burning of any materials or substances within 10m of the root protection barriers.
- 3.2.8 There is to be no storage of cement bags, chemicals or any other toxic or potentially toxic substances within the CEZ.
- 3.2.9 Once the fencing has been properly installed, the retained arboricultural consultant will visit the site to confirm the correct installation of the fencing.
- 3.2.10 The installation of the fencing will be photographed and recorded and a record of this will be passed on to the arboricultural officer at the Local Authority.

3.3 Demolition of existing structures

- 3.3.1 The existing house is to be soft stripped including removal of electrics and plumbing, all to be made safe. Glass and glazing is to be removed by hand.
- 3.3.2 The structure is to be brought down using a traditional top down approach, pulling debris in towards the centre of the buildings to minimise debris spread.

3.3.3 The hardcore (where not reused on the site) will be removed from site in skips.

3.4 Storage of materials

3.4.1 Materials are to be delivered by way of the existing entrance off Bagshot Road to the main delivery/set down area at the front of the site.

3.4.2 Materials can then be moved to the working areas for storage by fork lift truck, dumper truck or by hand where they can be distributed to where they are needed according to the different phases of the development.

3.5 Mortar mixing

3.5.1 Concrete and mortar will be mixed in a dedicated area to the side of the house. The area shall be isolated, well away from the RPA of trees to be retained and will be used to provide large tubs of mix which can then be transported to where they are needed by fork lift.

3.5.2 All mortar mixing and handling of any other hazardous materials shall take place outside the rpa's of trees. Water run-off from the cleaning of either a mortar tower or concrete mixers is to be directed away from rpa's and should take place as far from trees as possible.

3.5.3 A confinement area controlling the run-off shall be installed, incorporating an impermeable layer of strong plastic sheeting held within a raised bed. Washing of cement mixers shall take place only within the confined area.

4.0 Post construction

4.1 Final removal of tree protective fencing

4.1.1 Following the conclusion of all construction operations, protective fencing and ground protection will be removed to allow for landscaping operations such as hard surfacing and planting to take place.

4.1.2 Great care is needed at this stage from ground work contractors to continue to observe tree protection requirements. No machines are to be used within rpa's which specifically includes rotovators and excavators.

Arboricultural checklist

<i>Ref</i>	<i>Work Activity</i>	<i>Schedule of Works</i>	<i>Refer</i>	<i>Recommendations</i>
General site works and tree related operations				
01	Pre-start site meeting	Pre-start site meeting with site manager, client representative and arboricultural consultant to agree scope of any works, where required		
02	Protect trees to be retained	Barriers should be fit for the purpose of excluding construction activity and should remain rigid and complete. Barriers are to be located in accordance with Merewood Tree Protection Plans	B.S. 5837:2012 Trees in relation to design, demolition and construction: Section 6.2 Merewood Tree Protection Plan	Ongoing monitoring by appointed person
03	Works within the Root Protection Area (RPA)	Adopt hand dig methods for reducing levels to avoid damage to roots. Where limited root pruning is unavoidable it should be made at a suitable place within the root system, avoiding damage to surrounding tissue. Final pruning cuts shall be made at right angles to the axis of the root. The final cut wound should be smooth and as small as possible, free from ragged torn ends. Where root pruning is required to roots over 25mm in diameter, works should be overseen by a suitably qualified Arboriculturist. Any root pruning should be completed in accordance with BS 3998:2010.	Arboricultural Association Standard Conditions Of Contract And Specifications For Tree Works (2008) Edition BS 3998:2010 Tree Work Merewood Tree Protection Plan	All tree work should be carried out by a suitably tree qualified tree surgeon, preferably an Arboricultural Association approved contractor.

Signatures:

I confirm that I have attended a pre-application site meeting with the contractors and have gone through the requirements of the Arboricultural Method Statement and that a copy is available in the site office.

Arboricultural Consultant

I confirm that I have attended a pre-application site meeting with the arboricultural consultant and that I am responsible for the correct procedures being followed in accordance with the Arboricultural Method Statement and that a copy is available in the site office.

Site Manager/Foreman**Contact details:**

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Architects – Hawkins Eades Associates 01494 891555/666

London Borough of Hillingdon Council – Planning Department 01895 250 230

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Site: 13 Green Road Northwood	1:250 @ A3
Drawing Title: Tree Protection Plan	Rev C Aug 2020

Key:

- Category A (Green circle)
- Category B (Blue circle)
- Category C (Grey circle)
- Category U (Red circle)
- Tree Proposed for Removal (Red X)
- Tree Protection Fencing (Pink line)

Other labels in the key: Crown Spread, Tree Number, Species, Category, Road Protection Area.

Note: Trees marked with 'U' have approximate locations.