

Harraway Trees

Tree Management and Training

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Institute of
Chartered Foresters
Registered Consultant

ARBORICULTURAL METHOD STATEMENT

in relation to:

**Beech Croft
Church Hill
Patcham BN1 8YE**

Reference: 1906/39/AMS

10 July 2019

Prepared by: N R Beardmore F Arbor A

Contents

	Page
1. Introduction	3

ARBORICULTURAL METHOD STATEMENT

2. Arboricultural Supervision	3
3. Facilitation Tree Works	4
4. Tree Protection Barriers	4
5. Site Huts, Access and Storage of Materials	5
6. Excavations for Foundations	5
7. Underground services	6

Appendices

1	Ground Protection within Root Protection Areas
2	Works Sequencing and Supervision
3	Site Inspection Record Template

Plans

1906/39/TS Tree Survey Plan and Report
1906/39/TPP Tree Protection Plan

Please note that abbreviations introduced in [square brackets] are used throughout this report

1.0 Introduction

1.1 Instructions:

I am instructed by Rebecca Kimber of Beech Croft, Church Hill, Patcham to provide guidance on the measures that are required to ensure the safeguarding of nearby trees during construction works at her property. This guidance will follow the principles set out in BS5837:2012 *Trees in relation design, demolition and construction – Recommendations* (BS5837) and include the following:

- an Arboricultural Method Statement (AMS)
- a Tree Protection Plan (TPP)
- a schedule of arboricultural supervision

1.2 This method statement should be read in conjunction with our Tree Survey Report and Plan reference 1906/39/TS, dated June 2019.

1.3 Planning consent for the erection of a two-storey rear extension and the formation of a front porch was granted by Brighton and Hove City Council on 8 February 2019 under planning reference BH2018/03531. This document relates specifically to condition 4 attached to that consent. The approved plans also include the installation of a new soak-away to the front of the property.

1.4 This method statement is based on the following drawings prepared by M J Humphrey Ltd dated September 2018:

- Proposed Details, drawing number 2018/123 (sheets 1 & 2).

ARBORICULTURAL METHOD STATEMENT

2.0 Arboricultural Supervision

2.1 The successful integration of any development within or adjacent to existing trees relies on those trees being properly protected throughout all periods of the development process, from site clearance or demolition through to post development landscaping and completion.

2.2 To ensure that this is achieved, BS5837 advocates the retention of an appropriately qualified Arboriculturist to oversee all matters relating to trees for the duration of the construction period. In this case however, where the risk to trees is negligible it is not considered that intensive arboricultural supervision shall be required.

2.3 The Arboriculturist shall attend a pre-commencement site meeting with the Project Manager and the Site Manger to ensure that the potential risks to trees are fully understood and to discuss the protection measures that are to be implemented. The Local Authority's Tree Officer shall be invited to attend this meeting and notified of the date at least one week in advance.

- 2.4 A schedule of planned site visits for the purposes of arboricultural supervision and monitoring is provided at **Appendix 2**. Any changes, variations or amendments shall be submitted to the LPA by email or in writing for approval.
- 2.5 The Arboriculturist will remain available to provide guidance as and when required and make additional site visits in the event that:
- any unforeseen works within RPAs become necessary such as the removal and replacement of hard surfaces or the installation of underground services
 - there is a change in site manager or other key personnel
 - there has been a failure in the implementation or maintenance of tree protection measures.
 - there are unforeseen conflicts with trees
 - it is requested by the Local Planning Authority
- 2.6 The Arboriculturist will keep a record of all site visits, a template of the site inspection record can be found at **Appendix 3**. Any contraventions of the approved tree protection measures or other incident that may prejudice the well-being of retained trees shall be included within the report and brought to the attention of the site manager. Copies of all site visit reports and any reports relating to any contravention of tree protection measures shall be submitted to the Project Manager and the LPA Tree Officer within five working days.

3.0 Facilitation Tree Works

- 3.1 The canopy of the beech (T2) adjacent to the entrance shall be pruned to provide a ground clearance of 4m above the access only. The remainder of the canopy shall not be pruned.
- 3.2 All works shall be in accordance with British Standard 3998: 2010 '*Tree work - Recommendations*' and current best practice.
- 3.3 No other tree works shall be undertaken without further consultation with the local planning authority.

4.0 Tree Protection Barriers

- 4.1 Prior to the commencement of any other works, vertical tree protection barriers shall be erected in the positions indicated by the purple dashed lines on the Tree Protection Plan [TPP]. Barriers shall be formed from a system of 'heras' style weldmesh panels securely fixed to scaffold poles driven firmly into the ground and braced as illustrated on the TPP. Note this specification is modified from that shown in BS5837 Figure 2 and is suitable only where there will be very limited access for vehicles or machinery.
- 4.2 In the event that the greenhouse is to be demolished, protective barriers shall be erected immediately adjacent to its west and north sides as indicated by the dark blue dashed line. Following the removal of the greenhouse the area may be used to improve access to the work area provided that appropriate ground protection is installed (see paragraphs 4.3 and 4.4).

- 4.3 Ground protection boards shall be installed in the front garden, adjacent to the driveway to provide an area for the temporary storage of materials. If required, further ground boards may be used in the area if the greenhouse to improve access to the rear of the site. These areas are indicated by the purple striped blocks on the TPP.
- 4.4 Ground protection boards shall be sufficiently robust to bear the weight of any machinery or materials without resulting in the rutting or other form of disturbance to the soils below.

5.0 Site Access and Storage of Materials

- 5.1 All construction access will be via the existing vehicular access off Church Hill to the east.
- 5.2 Following the installation of tree protection measures, including ground protection, there will be scope for the temporary storage of materials in the front garden, immediately in front of the house. Additional storage space is available at the rear.
- 5.3 Under no circumstances shall machinery operate from or traverse across unprotected soils within RPAs.
- 5.4 Great care shall be taken to ensure that the booms of excavators and all machinery used in the delivery or movement of materials do not damage the crowns or stems of retained trees. All activities close to trees shall be carefully planned and controlled.
- 5.5 Great care shall be taken to prevent the spillage of toxic chemicals such as cement and oils in any part of the site so that any future planting is not compromised by substances that may prejudice their establishment. All such substances shall be stored (and mixed where necessary) on robust plastic sheeting.
- 5.6 Contaminated water from the washing of tools and equipment shall not be permitted to leach into the soils in or adjacent to the RPA or any area designated for future planting.
- 5.7 Any spillages shall be cleared immediately.

6.0 Excavation of Foundations

- 6.1 Great care shall be taken whilst excavating the foundations on the north side of the extension and porch to minimise disturbance to the soils beyond their footprint.
- 6.2 Should any tree roots be encountered they shall be cut cleanly with a hand saw or secateurs.

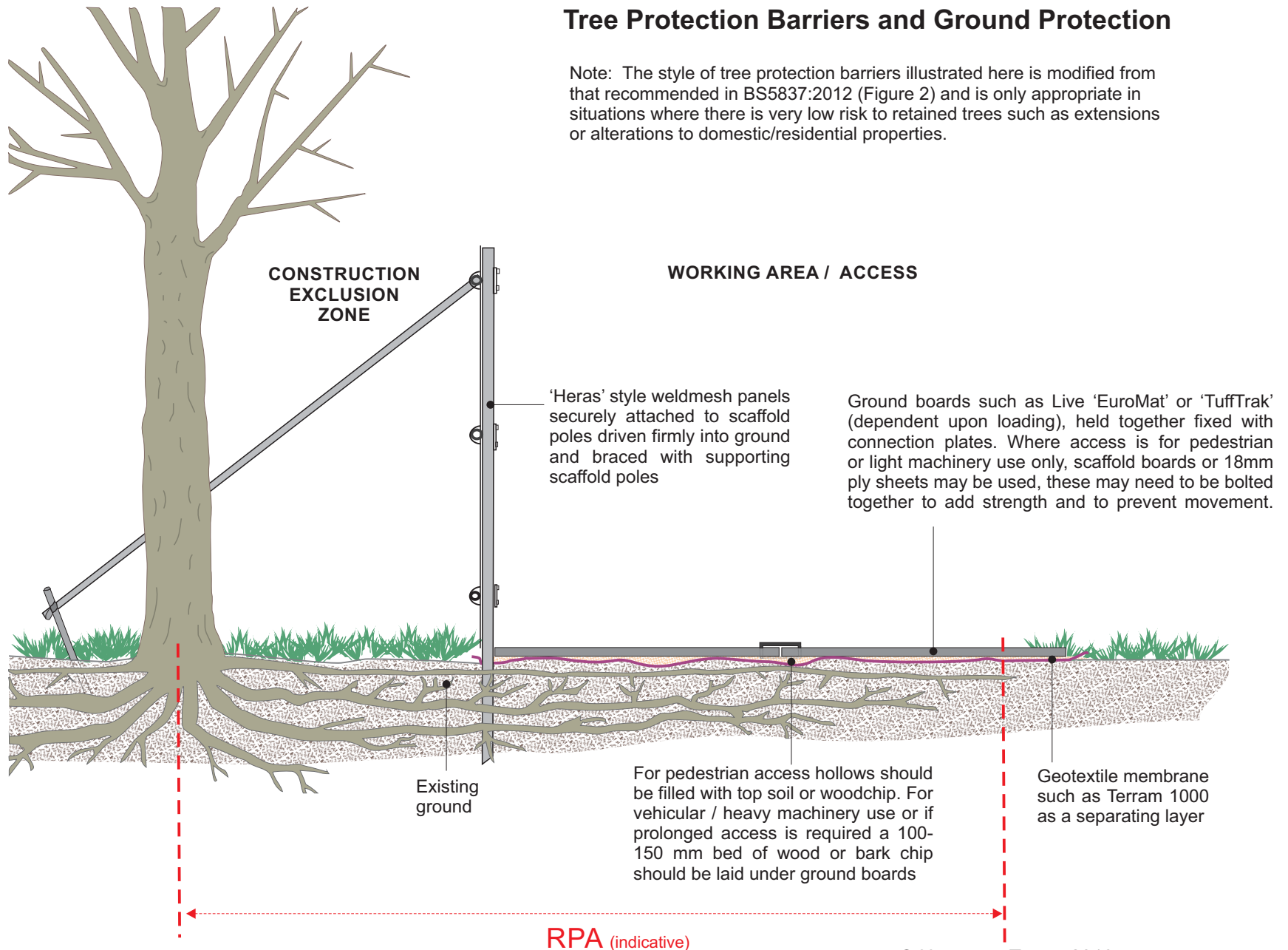
- 6.3 All works within or adjacent to RPAs shall be carefully planned and carried out under the supervision of the Arboriculturist.

7.0 New Underground Services

- 7.1 The installation of new underground services presents a particular risk of damage to trees. Even relatively shallow excavations, if carried out without appropriate care, can cause considerable damage to roots.
- 7.2 If possible, the new soak-away that is required here, should be routed to avoid root protection areas or at least where the minimum of incursion within RPAs is required.
- 7.3 Any excavations within RPAs shall be limited as far as possible to avoid unnecessary impact on tree roots. Where roots are exposed, they should be covered with good quality topsoil immediately to prevent them drying out. No roots larger than 5cm diameter shall be cut. Any smaller damaged roots should be cut cleanly with a hand saw or secateurs.
- 7.4 All works shall be carried out in accordance with National Joint Utilities Group Guidelines (2007) Volume 4 'Guidance for the Planning, Installation and Maintenance of Utility Apparatus in Proximity to Trees' [NJUG] and under the supervision of the Arboriculturist.

Tree Protection Barriers and Ground Protection

Note: The style of tree protection barriers illustrated here is modified from that recommended in BS5837:2012 (Figure 2) and is only appropriate in situations where there is very low risk to retained trees such as extensions or alterations to domestic/residential properties.



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Appendix 2 Works Sequencing and Supervision

Construction stage	Action	Personnel
Pre-commencement	Method Statements and Tree Protection Plans to be issued to site manager and other key personnel	Project Manager
Pre-commencement	Site meeting of all parties (including LPA if desired) to confirm tree protection requirements and potential risks to trees. Finalise schedule of planned site visits	Project Manager, Site Manager, Tree Officer and AC
Pre-commencement	Arboricultural induction	AC and site staff
Preparation	Facilitation tree pruning	AC to inspect
Preparation	Erection of tree protection barriers	AC to inspect
Construction	Scheduled site visits every 4 weeks throughout period of construction to monitor tree protection measures.	AC to monitor
Construction	To attend site in the event that any unplanned works within construction exclusion zones are proposed (and approved by LPA)	AC to advise, supervise and report
Post Construction	Removal of tree protection barriers and assessment of tree condition.	AC to inspect and report
Post Construction	Final inspection and signing off	AC to inspect and report

Notes:

AC = Arboricultural Consultant

Some actions may be combined into one meeting or site visit.

Copies of all site visit reports and reports of any contraventions of tree protection measures shall be submitted to the Project Manager and LPA Tree Officer within five working days.

Appendix 3**Site Inspection Record – Template**

Site:	Planning Application Ref:																											
Date:	Time:																											
<p>Those present in addition to Arboriculturist:</p> <table style="width: 100%;"><tr><td style="width: 33%;">Client/Agent <input type="checkbox"/></td><td style="width: 33%;">Project Manager <input type="checkbox"/></td><td style="width: 33%;">Site Manager <input type="checkbox"/></td></tr><tr><td>LPA Officer <input type="checkbox"/></td><td colspan="2">Specify:</td></tr><tr><td>Other <input type="checkbox"/></td><td colspan="2">Specify:</td></tr></table>		Client/Agent <input type="checkbox"/>	Project Manager <input type="checkbox"/>	Site Manager <input type="checkbox"/>	LPA Officer <input type="checkbox"/>	Specify:		Other <input type="checkbox"/>	Specify:																			
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<table style="width: 100%;"><thead><tr><th></th><th style="text-align: center;">Yes</th><th style="text-align: center;">No</th><th style="text-align: center;">Action Required? (See notes below)</th></tr></thead><tbody><tr><td>Tree protection measures in place in accordance with TPP?</td><td style="text-align: center;"><input type="checkbox"/></td><td style="text-align: center;"><input type="checkbox"/></td><td style="text-align: center;"><input type="checkbox"/></td></tr><tr><td>Any disturbance within construction exclusion zone?</td><td style="text-align: center;"><input type="checkbox"/></td><td style="text-align: center;"><input type="checkbox"/></td><td style="text-align: center;"><input type="checkbox"/></td></tr><tr><td>Any materials stored within construction exclusion zone?</td><td style="text-align: center;"><input type="checkbox"/></td><td style="text-align: center;"><input type="checkbox"/></td><td style="text-align: center;"><input type="checkbox"/></td></tr><tr><td>Any evidence of damage to tree roots, stems or canopies?</td><td style="text-align: center;"><input type="checkbox"/></td><td style="text-align: center;"><input type="checkbox"/></td><td style="text-align: center;"><input type="checkbox"/></td></tr><tr><td>Following discussion with site personnel are any works programmed before next planned visit that may affect retained trees?</td><td style="text-align: center;"><input type="checkbox"/></td><td style="text-align: center;"><input type="checkbox"/></td><td style="text-align: center;"><input type="checkbox"/></td></tr></tbody></table> <p><u>Notes / action to be taken (continue on reverse if necessary):</u></p> <p>Photograph reference numbers (if appropriate):</p> <table style="width: 100%;"><tr><td style="width: 60%;">Additional site visit required to ensure compliance with any required action as a result of this inspection? (Y/N)</td><td style="width: 10%; text-align: center;"><input type="checkbox"/></td><td style="width: 30%;">Proposed date:</td></tr></table>			Yes	No	Action Required? (See notes below)	Tree protection measures in place in accordance with TPP?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Any disturbance within construction exclusion zone?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Any materials stored within construction exclusion zone?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Any evidence of damage to tree roots, stems or canopies?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Following discussion with site personnel are any works programmed before next planned visit that may affect retained trees?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Additional site visit required to ensure compliance with any required action as a result of this inspection? (Y/N)	<input type="checkbox"/>	Proposed date:
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Signed:	Date:																											
on behalf of Harraway Trees																												