

Beech Hedge Protection Plan for 32 King Street, Arundel, West Sussex, BN18 9BW

1.0 Introduction

1.1 Purpose and Use of Method Statement

1.1.1 This method statement report has been prepared for submission to Arun District Council (ADC) to address condition no. 5 placed on application AB/109/20/HH for White Cottage, 32 King Street, Arundel

Condition no. 5 states;

5. Prior to commencement of the development, details of the retention of the beech hedgerow on the northern boundary wall should be submitted to, and agreed by the Local Planning Authority in writing. The measures should remain in place for the duration of the construction of the proposal and adhered to thereafter.

Reason: In the interests of the of visual and residential amenities of the host dwelling and those in the locality, in accordance with Arun Local Plan policies D DM1 and HER DM1.

1.1.2 The proposals are for a rear single storey extension for new kitchen and living area, internal alterations, new and adjusted windows and doors, part replacement roof structure with 2 x conservation roof lights to the main building, re-covering of main roof and partial re-build of the detached garage with replacement pitched roof. This application affects the character & appearance of the Arundel Conservation Area & may affect the setting of listed buildings.

This statement has been prepared after consultation with James Bell, Arbortrack Systems Ltd. Arboricultural Consultant. 07986 122074 and intended to demonstrate the feasibility of construction without harm to the existing beech hedge that is to be retained on site.

1.2 Development Proposals

1.2.1 See section 1.1.1 and accompanying material for full details of the development proposals.

1.2.2 The established beech hedge is currently retained by a brick wall, ranging from 3 to 7 courses high, approximately 90cm from its trunks along the southern aspect and along the northern aspect exists a retaining wall that is built up from the hedge ground level to a height of approximately 60cm.



As the majority of root systems are found within 60 cm of the surface the greater part of the beech hedge root system will have been contained within the current retaining walls that are in position approximately 1.5m apart. These walls will remain in position during and after works, for the length of the hedge that is to be retained to ensure protection of the root systems.

1.2.3 The section of hedge to be removed will be removed in late winter/early spring while it is still dormant to limit any potential damage to the beech hedge to be retained.

1.2.4 For the reasons given in 1.2.2 it is not envisaged that significant roots will be encountered however where building work is within 1m from the spread of the hedge refer to Part 7 and 11 of the British Standard Guide for trees in Relation to Construction BS 5837:1991. Work with hand tools can generally proceed within these guidelines without prior consultation provided no roots over 25mm are severed.

1.2.5 Retained beech hedging will be protected throughout the course of development by fencing to the specification recommended by BS5837:2012 - see attached diagrams - fencing has been marked in orange.

1.2.6 Ground protection will be provided by side butting scaffold boards laid on a 150mm deep compressible layer of well rotted bark mulch over a geotextile fabric.

1.3 Sequence of works

1.3.1 The sequence of works should be as follows:

removal of section of hedge that is to be removed (whilst dormant)

installation of ground protection in advised area

erection of tree protection barrier (TPB) on advised line

construction of extension

removal of TPB

removal of ground protection

soil between extension and existing hedge retaining wall will not be raised but will be surfaced with a permeable weed control membrane and covered in a course, granular material, such as pebbles as required

1.4 Site Supervision

1.4.1 An individual e.g. the Site Agent, must be nominated to be responsible for all arboricultural matters on site. This person must:

be present on site for the majority of the time

be aware of the arboricultural responsibilities

have the authority to stop any work that is causing, or has the potential to cause, harm to any retained beech

be responsible for ensuring that all site operatives are aware of their

responsibilities toward the beech hedge on site and the consequences of the failure to observe these responsibilities make immediate contact with the local authority and/or the designated arboriculturist in the event of any tree related problems occurring, whether actual or potential

2.0 Pre-development Site Preparation: Protective Fencing

2.1 The TPB must be comprised of a vertical and horizontal scaffold framework, braced to resist impacts, with vertical tubes spaced at a maximum level of 3m. On to this, weldmesh panels should be securely fixed with wire scaffold clamps: see section 6.2.2 and Figure 2 of BS5837:2012 (Appendix C). Hardboard or marine ply sheets can be used as an alternative to weldmesh panels, but these must be fixed firmly to the framework. The location of the TPB is shown in Appendix A.

2.2 This TPB is to be erected before any construction work commences on site, is to remain 'in situ' and undamaged for the duration of all work or each phase, and is only to be removed once all work is completed.

2.3 The only other exception is the completion of soft landscaping, but if any excavations, however minor, are to be carried out as part of soft landscaping within the root protection area, an arboricultural assessment must be carried out beforehand and any arboricultural protection measures incorporated.

2.4 Pre-Development Site Inspection

2.4.1 At the instigation of the client/site agent or ADC, upon erection of the fencing, the designated Site Agent can meet the relevant local authority member on site to check the standard of the work(s). If there are any amendments required to the protective fencing these can be agreed at this meeting, confirmed in writing, and undertaken thereafter.

3.0 Development Phase

3.1 General Precautions

3.1.1 No fires shall be made on any part of the site, or within 10m of the furthest extent of the hedge to be retained on site or on land adjoining.

3.1.2 No spilling or pouring of fuels, oils, solvents or tar shall be made on any part of the site.

3.1.3 No materials that are likely to have an adverse effect on hedge health such as oil, bitumen or cement will be stored or discharged within 10 metres of the trunk of a tree that is to be retained.

3.1.4 No spillage or discharge of wet mortar or concrete shall be made on any part of the site.

3.1.5 No storage of materials shall be made within the protective fences.

3.1.6 No breaching or moving of the protective fences shall occur without the approval of the designated Site Agent.

3.2 Construction Measures

3.2.1 No specialist construction methods are required for the building footprint in terms of trees.

3.3 Removal of Tree Protective Barrier

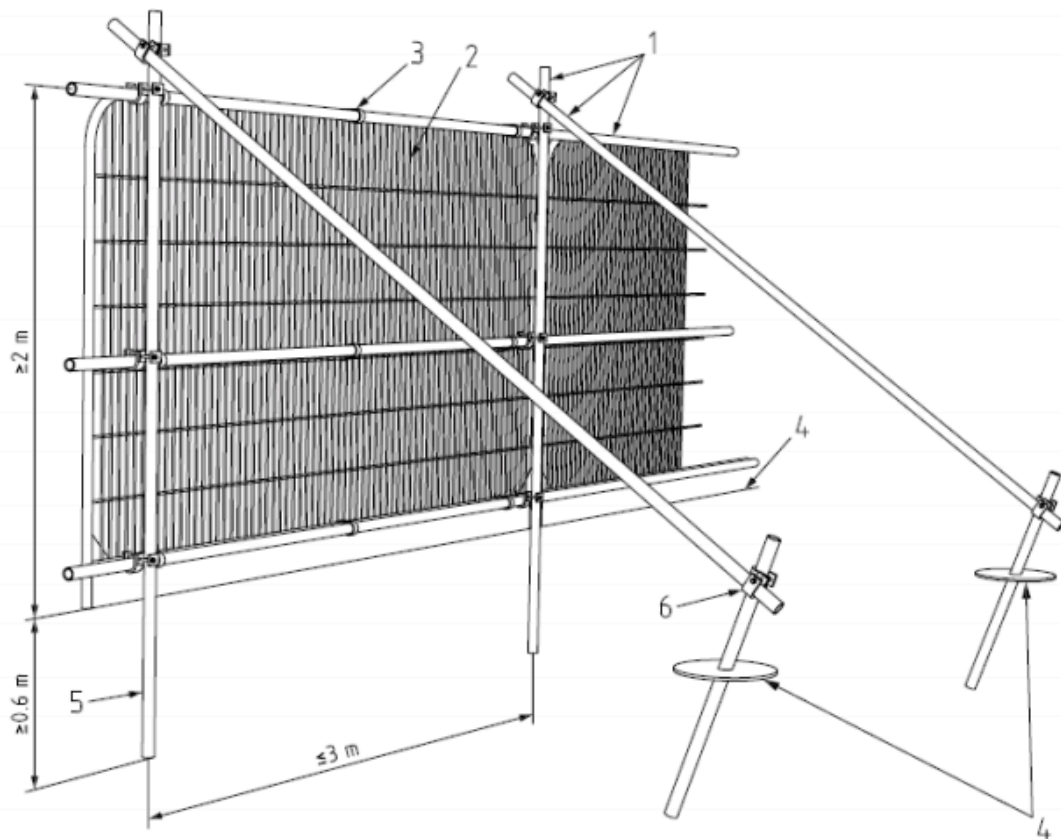
3.3.1 The protective fencing may be removed only upon completion of the development phase when all drainage and service runs have been installed and any site machinery has been removed.

4.0 Completion

4.1 Completion Meeting

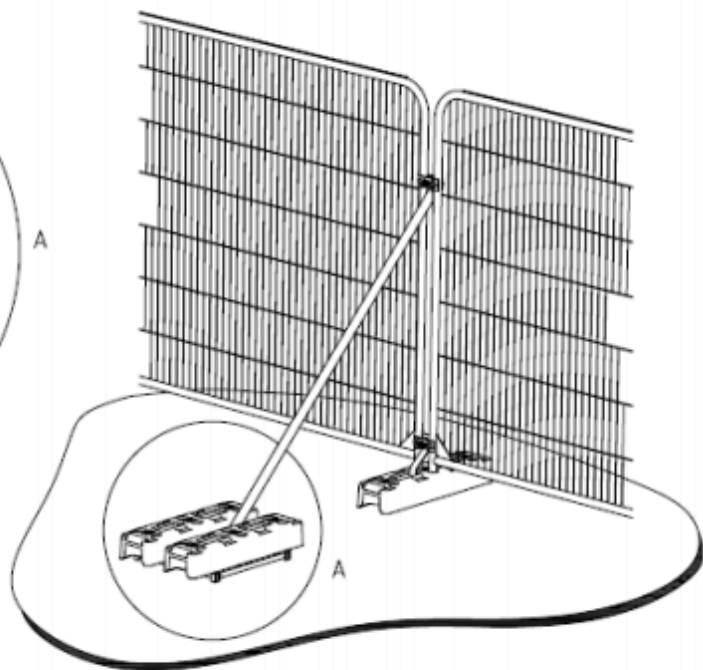
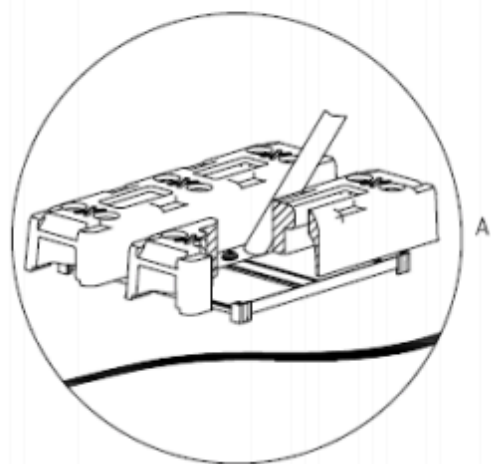
4.1.1 Following completion of the approved works on site, the designated arboriculturist can meet with a local authority representative and agree upon any remedial works deemed necessary (if any).

4.1.2 Any works agreed in the above meeting will be confirmed in writing and should be performed to BS3998:2010.



Key

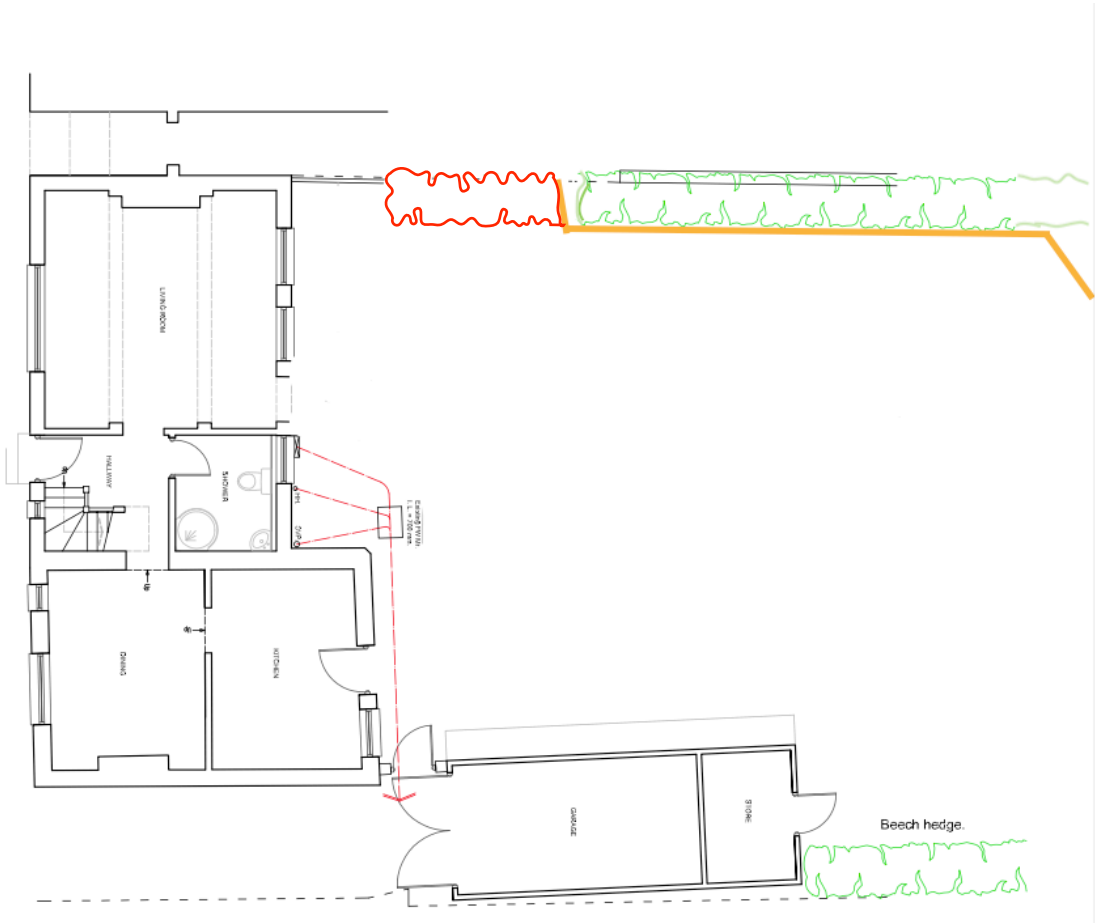
- 1 Standard scaffold poles
- 2 Heavy gauge 2 m tall galvanized tube and welded mesh infill panels
- 3 Panels secured to uprights and cross-members with wire ties
- 4 Ground level
- 5 Uprights driven into the ground until secure (minimum depth 0.6 m)
- 6 Standard scaffold clamps



Stabilizer strut mounted on block tray © British Standards Institute

area of hedge to be removed marked in red

protective fencing position marked in orange



New planting of shrub boundary where hedge can not be retained as addressed by condition no. 4

