



Broad Oak Tree Consultants Limited

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REVISED ARBORICULTURAL METHOD STATEMENT

IN RELATION TO

**GRADING AND DRAINAGE OF SPORTS FIELD,
RESURFACING AND RE-FENCING OF SPORTS COURT,
AND RE-SITING OF JUMPING PIT WITH RUN-UP**

AT

**PURBROOK PARK SCHOOL
PARK AVENUE
PURBROOK
WATERLOOVILLE
HAMPSHIRE**

By

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**Application No: APP/14/00464
Status: Granted permission subject to conditions
Conditions Nos. 4 and 5
Council: Havant Borough Council**

**Our Ref: J48.58
22nd December 2014**

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APPENDICES:

1. TREE PROTECTION PLAN, DRAWING NO. J48.58/02 Rev. B
2. EXAMPLES OF FENCING SPECIFICATION AND SIGNAGE

1. INTRODUCTION

Broad Oak Tree Consultants Ltd. received instructions through MH Architects to produce the arboricultural information required for Condition 4 and 5 of the Grant of Permission for Application No. APP/14/00464 issued by Havant Borough Council.

Conditions 4 and 5 read as follows:

- 4 *No development hereby permitted nor any related site clearance shall commence until a specification of measures to be undertaken to prevent damage to existing trees and hedgerows on the site throughout implementation of the same has been submitted to and approved in writing by the Local Planning Authority. All measures forming part of such approved specification shall be undertaken and fully adhered to at all times which such implementation is in progress. Any such tree or hedgerow which is nevertheless seriously damaged during that implementation shall be replaced within 6 months of the occurrence of such damage by another of the same species in the same position and of not less than 1.6 metres height when planted.*

Reason: *To safeguard the continued health and presence of such existing vegetation and protect the amenities of the locality and having due regard to policies CS11 and CS16 of the Havant Borough Local Plan (Core Strategy) 2011 and the National Planning Policy Framework 2012.*

- 5 *No development hereby permitted shall take place anywhere within the BS Calculated root protection area of T99 Common Oak as shown on Drawing No. J48.58/01 sheet 2 (Broad Oak Tree Consultants Limited Arboricultural Implications Assessment 21st May 2014 Appendix 2) unless and until an Arboricultural Method Statement has been submitted to and approved in writing by the Local Planning Authority.*

Reason: *To safeguard the continued health and presence of such existing vegetation and protect the amenities of the locality having due regard to policies CS11 and CS16 of the Havant Borough Local*

2. GENERAL

This Arboricultural Method Statement sets out the methodology for proposed works with the potential to affect trees. Compliance with this Arboricultural Method Statement will be a requirement of all relevant contracts associated with the development. All contractors will be responsible for undertaking their own risk assessments with regard to any of the works detailed in this Arboricultural Method Statement. The documents to be referred to in conjunction with this statement are as follows:

- BS5837:2012 "Trees in Relation to Design, Demolition and Construction - Recommendations" hereinafter referred to as BS5837:2012.
- BS3998:2010 "Tree Work Recommendations", hereinafter referred to as BS3998:2010.
- Broad Oak Tree Consultants Ltd. drawing no. J48.58/02 Rev. B "Tree Protection Plan", hereinafter referred to as the TPP. A copy is included in Appendix 1.
- NJUG Volume 4 "Guidelines for the Planning, Installation and Maintenance of Utility Apparatus in Proximity to Trees" hereinafter referred to as NJUG Volume 4.

3. ARBORICULTURAL WORKS

The tree works required in association with the permissioned development are now listed below. These include essential safety works. Trees for removal for safety and development purposes are indicated as such with red and blue dashed crown outlines on the TPP.

No other trees/shrubs are to be removed or pruned without reference to the Arboricultural Consultant.

An appropriately qualified and insured tree surgery company will undertake all recommended felling and tree surgery works to the requirements of BS3998:2010.

Prior to tree surgery/felling works commencing, the trees for works should be checked for the presence of nesting birds or bats. Disturbance of nesting birds or bats could represent an offence and result in prosecution under the Wildlife and Countryside Act 1981.

No fires or chip piling to occur within 5m of the drip line of any tree canopy or within 15m of any tree stem, whichever is the further.

Stumps of all trees within 15m of retained trees to be ground out using pedestrian guided wheeled/tracked grinding machines.

All vehicles associated with contractors carrying out the tree works will remain on existing areas of hard standing at all times and not be driven onto grassed areas.

Trees for Removal – Safety and redevelopment

Tree No.	Species
T66	Lime
G92	5no. Hornbeam
T93	Common Oak
G94	2no. Hawthorn
T95	Scots Pine
T101	Horse Chestnut
T106	Red Oak
T107	Sycamore
T108	Lime
T109	Red Oak
T110	Lime
T111	Horse Chestnut
T112	Red Oak
T113	Lime
T114	Red Oak

4. PROTECTIVE FENCING MEASURES

Protective fencing is to be erected once arboricultural works have been completed and prior to commencement of site clearance. The location and appropriateness of the fencing will be confirmed to the Local Authority by the Arboricultural Consultant. All fencing will remain in place until completion of construction and any hard landscaping.

Fencing to comprise a scaffold framework with uprights driven into the ground to circa 60cm depth with a maximum of 3m spacing between uprights. To the uprights weldmesh panels, such as “Heras” or similar products, are to be firmly attached using scaffold clips. Fencing to produce enclosed zones around individual or linear runs of trees with notices placed on every 5th panel saying “Protected Zone – Keep Out” or similar.

No access will be allowed within areas protected by fencing. The storage of potentially injurious materials such as fuels, oils, chemicals and cement will be kept at least 15m from any stem or outside protective fencing areas, whichever is the greatest distance. Alternatively, storage within a bunded storage vessel may be acceptable.

Within the fenced areas no changes in levels will be allowed, either increase or decrease. All material storage will be kept outside of fenced areas with storage zones to be determined by the Site Manager.

Examples of the protective fencing specification and signage are included in Appendix 2.

5. WORKS WITHIN ROOT PROTECTION AREA OF T99

To minimise the potential root damage it is proposed that a trench be hand dug along the nearest line of the cut required to the required depth. Any roots encountered will be neatly cut back to the excavation face nearest the tree to minimise tissue desiccation and exposure to pathogens. This will avoid the risk of root tearing by machinery excavation. Excavators can then remove all material to the north of the hand dug trench. This method of working would comply with the recommendations in Section 7 “Demolition and construction in proximity to existing trees” of BS5837:2012.

These works will be supervised by the Arboricultural Consultant.

6. DRAINAGE

All drainage runs are to be routed outside of indicated tree RPAs wherever possible. Where this may not be physically possible the routing will need to be achieved by hand excavation supervised by the Arboricultural Consultant. All works will be undertaken to the requirements of NJUG Volume 4.

7. ARBORICULTURAL SUPERVISION OF WORKS

The Arboricultural Consultant will provide confirmation in writing to the Council of the completion of the following works prior to site clearance taking place:

- Appropriate completion of all listed tree works.
- Location and design of protective fencing.

The Arboricultural Consultant will also supervise and report back to the Council regarding the following works:

- Hand tool excavation of levels in proximity to T99.
- Any drainage runs within retained tree RPAs.

In addition to the above the Arboricultural Consultant will undertake monthly inspections of the site and produce a written statement to the Council's Tree Officer confirming the condition of the site and protective measures, any reportable infringements of protection areas and details of any mitigation measures necessary. Monitoring will continue until soft landscaping have been completed.

Tim Laddiman
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Broad Oak Tree Consultants Ltd.

APPENDIX 1

BS Category of Condition



111

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1101

333

Protective fencing

1000

prior to commencement of any demolition works.

Buildings in proximity to protective fencing areas to be

the reforestation protection zones around retained trees, hedges and shrubbery are to be

- Storage or disposal of any soil, building materials.

structures of any description including site office/sales

- Excavations, soil/turf stripping.

conditions of any case description.

- No use, movement or parking

lit within 20m. of the trunks of any trees or the centre line of

Volume 4 Guidelines for the Planning, Installation and Maintenance of Utility Apparatus

bored/moiled or only hand excavation to be supervised by the Assistant Consultant.

Ground Design Ltd

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APPENDIX 2

BS5837:2012: FENCING SPECIFICATIONS

Figure 2 Default specification for protective barrier

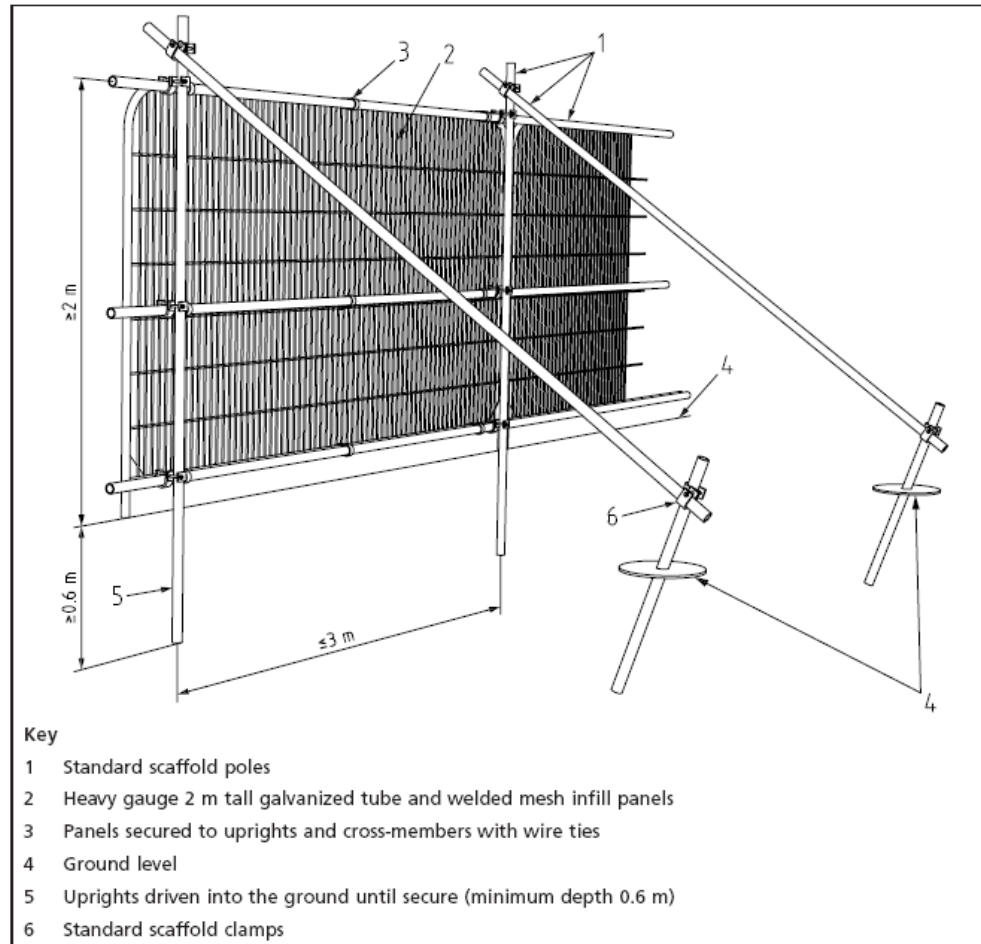
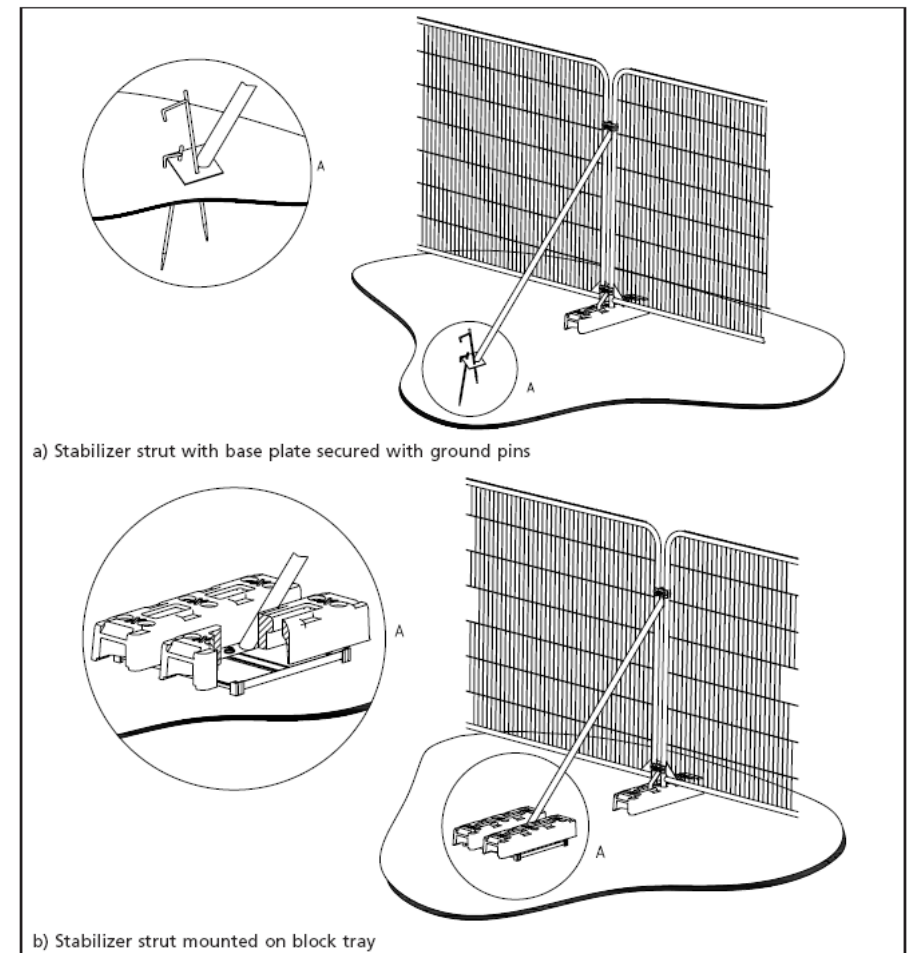


Figure 3 Examples of above-ground stabilizing systems



EXAMPLE OF FENCING SIGNAGE

