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Design

JAMES BLAKE

A S S O C I A T E S

Arboricultural Method Statement Phase 3A

Haverhill, Phases 2-6

On behalf of

Persimmon Homes Suffolk

23rd Sept 2024

JBA 18/351 AR09 REV A

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Project	Haverhill, Phases 2-6
Report	Arboricultural Method Statement Phase 3A
Date	23 rd September 2024
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1 SUMMARY

- 1.1 This Arboricultural Method Statement (AMS) has been commissioned by Persimmon Homes Suffolk to ensure retained trees and vegetation are adequately protected during the construction activities of Phase 3A.
- 1.2 This report has been prepared in accordance with British Standard 5837: Trees in relation to design, demolition and construction – Recommendations (2012) and The National Joint Utilities Group (NJUG) Guidelines for the planning, installation and maintenance of utility apparatus in proximity to trees Volume 4 Issue 2 (2007). These documents provide best practice advice, assessment and guidance to ensure the protection of trees and significant vegetation on development sites.
- 1.3 In order to successfully work in close proximity to trees, the methods described within this document should only be carried out in conjunction with the direct appointment of a qualified arboricultural consultant. Failure to implement the approved tree protection measures and procedures could lead to enforcement action, the destabilisation of trees and/or the ultimate death of the trees.

Definitions

- 1.4 Construction Exclusion Zone (CEZ) – a fenced off area based upon the root protection area that is prohibited for the duration of a project (unless subject to supervised works)
- 1.5 Root Protection Area (RPA) – a layout design tool indicating the minimum area around a tree containing sufficient roots to maintain a trees viability.
- 1.6 Supervised works – demolition or construction works that require specific arboricultural advice and supervision to prevent damage from occurring.

Scope

- 1.7 This method statement addresses the following;
- Tree protection specifications and requirements
 - Supervision requirements

2 LIMITATIONS

- 2.1 Trees are dynamic, living organisms whose health and condition can change quickly. Any changes to a tree, or to trees and the land surrounding it, may affect the tree's condition and/or stability. If any such changes occur further examination would be required and may affect the validity of this report.
- 2.2 The survey is not intended to be a detailed tree hazard assessment. Where significant faults that pose an immediate risk to persons or property are observed recommendations will be made; however the lack of any management recommendations within the survey schedule does not infer that a detailed health and safety assessment has been made and it is recommended that a formal management and inspection plan is considered.
- 2.3 The contents of this report are copyright of James Blake Associates and may not be copied without the author's permission. James Blake Associates' Terms and Conditions apply to this report and all associated works in conjunction with this project.

3 GENERAL TREE PROTECTION MEASURES

- 3.1 No fires will be permitted within 20m of the crown of any tree.
- 3.2 No alterations in soil levels other than those already agreed, will occur within the Construction Exclusion Zone (CEZ) without prior agreement from the appointed arboricultural consultant.
- 3.3 No materials, vehicles, plant or personnel will be permitted into the CEZ at any time without prior consent from the arboricultural consultant.
- 3.4 Any liquid materials spilled on site will be immediately cleared up and removed from the site. If liquid fuel or cement products are spilled within 2m of the tree protection zone, the contractor will report the incident to the arboricultural consultant immediately.
- 3.5 The contractor will report any damage to trees or shrubs, whether caused by construction activities or from any other cause, to the arboricultural consultant immediately.

4 TREE PROTECTION

Protective fencing specification

- 4.1 Protective fencing will be installed prior to any enabling works, demolition or construction activity commences.
- 4.2 The position of protective fencing is shown on drawing JBA 23/412 TP/TR01 3a at **Appendix 2**.
- 4.3 Protective fencing will be constructed of weld mesh panels securely fixed to a static framework fit for the purpose of excluding construction traffic i.e., constructed in accordance with the default specification in **Figure 2** of BS5837:2012 and as shown at **Appendix 3** of this document.
- 4.4 Alternative specifications to those shown must be agreed prior to installation by the local authority and arboricultural consultant (JBA).
- 4.5 All weather signage will be securely fixed to panels at regular intervals stating the purpose of the fencing and contact details of the arboricultural consultant. A suggested sign can be found at **Appendix 4** and may be copied for use on site.
- 4.6 Upon completion of tree protection, the site manager will invite the arboricultural consultant to inspect and sign off the specification and position of all tree protection.
- 4.7 Once installed, protective fencing will remain in position for the duration of the project or until it requires removal to a specified alternative position to allow for works.

5 SUPERVISION REQUIREMENTS

- 5.1 The arboricultural consultant will be available for ongoing advice and design input to ensure works close to trees is avoided or correctly specified.
- 5.2 Any works that could impact upon retained trees will be supervised and monitored by the arboricultural consultant (JBA). The supervision visits will occur as follows;
- Pre-commencement site meeting with the site manager, the supervising arboriculturist, and an LPA representative to discuss tree protection and demolition and construction programme phasing;
 - If an LPA representative cannot attend, the supervising arboriculturist will inform the LPA in writing of the details of the meeting
 - Inspection of protective fencing at pre-commencement phase
 - Monthly inspections to monitor location and condition of protective fencing
 - Any works within Construction Exclusion Zones i.e., within tree protection fencing
- 6.3 A site attendance log of the monthly fencing inspections will be maintained by the site manager and be available for inspection by the LPA at 48 hours' notice, should it be required.

6 CONSTRUCTION

Manual excavation within RPAs

- 6.1 All works within Root Protection Areas (RPAs) will be carried out under the direct supervision of the appointed arboricultural consultant (JBA).
- 6.2 No site personnel will enter these areas until a representative from JBA is present.
- 6.3 A section of protective fencing will be temporarily removed to provide access to the required area.
- 6.4 Where necessary, the appointed arboricultural consultant will specify the location of temporary ground protection and the level of protection required.
- 6.5 Excavations will be carried out manually using appropriate hand tools OR using an air lance to expose tree roots.
- 6.6 No machinery will be permitted into the working area unless agreed by the arboricultural consultant.
- 6.7 All excavated spoil will be manually removed from the area or placed on temporary ground protection to be used for back filling upon completion.
- 6.8 All roots in excess of 25mm in diameter and all clumps of fibrous roots greater than 25mm in diameter will be retained and wrapped in dry hessian during the works to prevent desiccation.
- 6.9 Roots less than 25mm may be pruned by the arboricultural consultant where deemed essential to complete works.
- 6.10 Root pruning will only be carried out by the arboricultural consultant, using sharp, sterile tools suitable to the size of the root to be cut. Where possible roots will be pruned cleanly back to a side branch.
- 6.11 Prior to backfilling any hessian wrapping will be removed from retained roots.
- 6.12 The roots will then be surrounded with topsoil, sharp sand (builders' sand will not be used due to its high salt content) or other loose inert granular fill, before soil or other medium is replaced. This material should be uncontaminated and free from injurious objects.
- 6.13 Temporary ground protection will be removed in a backwards direction away from the tree so as always to be positioned on protection and not on unprotected ground.

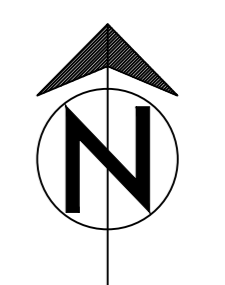
- 6.14 Once the work area is cleared of ground protection the recently backfilled spoil will be watered and the removed section of protective fencing reinstalled.

APPENDIX 1: JBA DRAWINGS



KEY

- Existing Tree or Group colour referenced in accordance with BS 5837:2012 as shown below
- Existing hedge or group coded as above in accordance with BS 5837.
- Blue - Category B tree of moderate quality and value.
- Grey - Category C tree of low quality and value.
- Red - Category U tree in irreversible decline or dead.
- Blue - Cat B Groups/hedges of moderate quality and value.
- Grey - Cat C Groups/hedges of low quality and value.
- Red - Cat U Groups/hedges that are dead or showing signs or irreversible decline.
- Root Protection Area as calculated in accordance with BS 5837:2012
- Shaded groups/hedges/trees to be removed
- Approximate line of protective fencing to be erected in accordance with BS 5837 and insert, to be maintained throughout demolition and construction works.



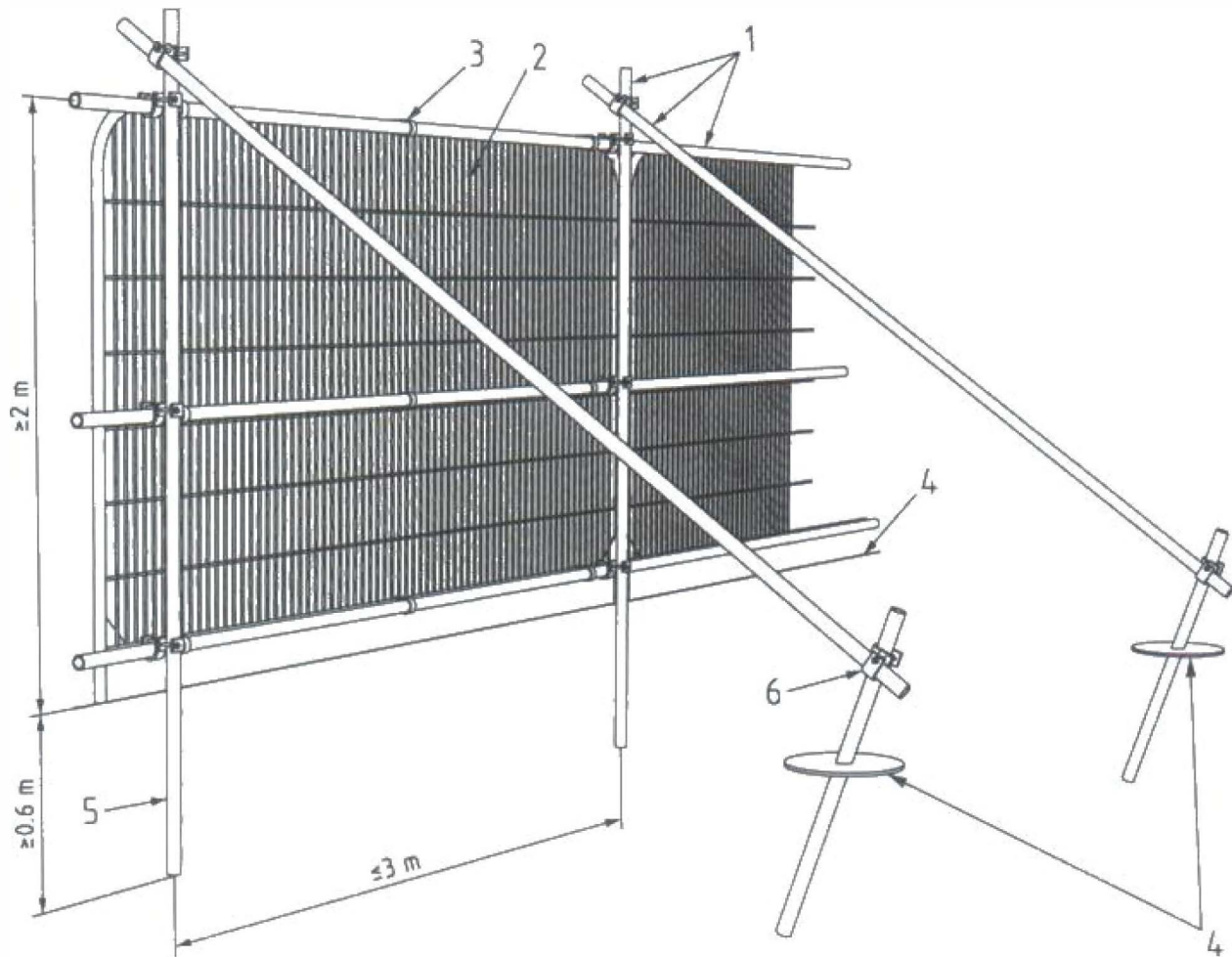
GENERAL NOTES
 DO NOT SCALE OFF THIS DRAWING
 ALL DIMENSIONS TO BE CHECKED ON SITE
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A. 03. 2021		REVISED TOWER LAYOUT	
DATE	BY	DATE	BY
03/03/2021	JM	03/03/2021	JM
CLIENT	DESIGN FILE	DESIGN FILE	DESIGN FILE
RESEARCH HOUSES/SP/24	TRINITY DRIVE, PROCTON PARK	TRINITY DRIVE, PROCTON PARK	TRINITY DRIVE, PROCTON PARK
SITE	PROJECT NO.	PROJECT NO.	PROJECT NO.
TRINITY DRIVE, PROCTON PARK	TRINITY DRIVE, PROCTON PARK	TRINITY DRIVE, PROCTON PARK	TRINITY DRIVE, PROCTON PARK
PROJECT NO.	DATE	DATE	DATE
TRINITY DRIVE, PROCTON PARK	03/03/2021	03/03/2021	03/03/2021
BY	CHECKED	AUTHOR	SCALE
JM	JM	JM	1:1000
DATE	DATE	DATE	DATE
03/03/2021	03/03/2021	03/03/2021	03/03/2021

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APPENDIX 3: PROTECTIVE FENCING SPECIFICATION

Figure 2 Default specification for protective barrier

**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

PURPOSE OF ISSUE						
TREE PROTECTION FENCING BS5837:2012						
DRG BY	CHECKED	AUTHD	SCALE	DATE	DWG NO.	REV.
DCG	JBA	JBA	NIS@A4	JUNE 2019	BS5837:2012-1	

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LANDSCAPE ARCHITECTURE o ARBORICULTURE o ECOLOGY

APPENDIX 4: PROTECTIVE FENCING SIGNAGE



TREE PROTECTION AREA
KEEP OUT!

**NO WORKS TO BE CARRIED OUT IN THIS AREA WITHOUT PRIOR
AGREEMENT OF THE LOCAL AUTHORITY OR APPOINTED
ARBORICULTURAL CONSULTANT**

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