

Arboricultural Method Statement

St. Martins Close, Bishopstoke, Eastleigh, SO50 6BH

Client: Mr Bowen



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1 Introduction

- 1.1 Arborlogica has been commissioned by Mr Bowen to produce an Arboricultural Method Statement (AMS) for proposed development at Sr. Martins Close, Bishopsoke, Eastleigh, SO50 6BH
- 1.2 The purpose of this Method Statement is to describe how construction works can be carried out in close proximity to trees reducing or limiting damage to the crown or root system of the trees to a tolerable level, as outlined in BS5837:2021, and aid the safe and healthy retention of all trees that could be impacted, as identified in the Arboricultural Impact Assessment.
- 1.3 Recommendation will be made to reduce any impact identified to retained trees during the demolition or construction phase of the proposed development.
- 1.4 The AMS provides details on working methodologies for installing a wide range of measures and systems to protect trees where required. Methods such as protection fencing, ground protection, and innovative engineering solutions that can facilitate construction within rooting zones, maybe specified.
- 1.5 The information and recommendations in this AMS are in line with BS5837:2012 Trees in Relation to Construction – Recommendations or recognised industry best practices.
- 1.6 This report has been produced for our client in accordance with the terms of contract and is to be used for planning purposes only. Information provided by third parties in this report is assumed to be correct, however we cannot be held responsible for errors or omissions in information supplied by third parties. We hold the copyright to these documents and they may not be duplicated or used by third parties without our written consent.

2 Description of Proposed Development

- 3.1 The design proposal consists of removal of the existing dwelling and associated outbuilding, construction of two new dwellings, including garages and new access to the east to adjoin Spring Lane.

3 Sequence of Operations



4 Tree Work Schedule

- 4.1 Details of all tree work required are listed below in Appendix 1 – Tree Works Schedule.
- 4.2 All tree work must be carried out in accordance with BS3998:2010 Tree Work Recommendations or current recognised industry best practices.
- 4.3 All tree work must be carried out by qualified and appropriately insured arboriculturalist / tree surgeons to ensure high quality of workmanship.
- 4.4 All operations must be carried out in such a way that damage to any retained trees, including their RPA is avoided.

5 Tree Protection Fencing

- 5.1 All Tree Protection Fencing locations are shown in the Tree Protection Plan (TPP) below in Appendix 2, illustrated with an Orange dashed line.
- 5.2 Tree Protection Fencing is required to prevent construction activities within RPA's. It is deemed that full enclosure of RPA's with Tree Protection Fencing is not practical or required. The proposed siting of the fencing, as set out in the Tree Protection Plan restricts access, prevents vehicles or machinery entering and materials being stored within the RPA's.
- 5.3 The distance Tree Protection Fencing shall be erected from tree stems is shown on the TPP as a radius from tree centres. These dimensions are the minimum permissible to prevent damage to trees above and below ground. When erecting the protection fencing, these dimensions may be increased for convenience, but must not be reduced.
- 5.4 The configuration of the tree protection fencing shall conform to the example, as per BS5837:2012 recommendations in Appendix 3. In this case it is deemed that the default configuration is disproportionality complex and the less complicated configuration of Heras fencing secured by rubber feet and bolted together, incorporating a stabiliser bar and ground pins will be sufficient.
- 5.5 The fenced-off areas are referred to as Constriction Exclusion Zones. The CEZ is an area where NO construction activity is to take place unless specifically permitted with other control measures specified within this report.
- 5.6 All tree protection fencing must have waterproof signs, attached at regular spacing's stating that this area is a Tree Protection Area / Construction Exclusion Zone and permission is required from the project arboriculturalist to enter this zone. Example signage can be found in Appendix 4.
- 5.7 Tree protection fencing must be erected after the tree work required for the proposal has been carried out but before the demolition or construction phase begins.
- 5.8 Once erected the tree protection fencing shall be considered as a permanent structure and not moved until the construction phase is complete or approval has been given by the project arboriculturalist to carry out works within these zones.
- 5.9 After installation, fencing should be inspected by the project arboriculturalist to ensure correct placement and that it is suitable for its purpose.

- 5.10 The tree protection fencing should be checked periodically by the site manager to ensure ongoing suitability. Any concerns should be brought to the project arboriculturalists attention.
- 5.11 The tree protection fencing must not be dismantled or repositioned (unless specified in this AMS) until all construction works have been completed or until permitted works within an RPA's is required. If tree protection fencing must be moved, temporarily or otherwise, the supervising arboriculturalist must be consulted first and the fences moved only the minimum amount to enable the works within the RPA to be carried out.
- 5.12 Consent from EBC may be required to carry out construction works / activity not identified in this report.

6 Temporary Ground Protection

- 6.1 Temporary Ground Protection shall be used within the RPA of T5 to enable access, and the installation of scaffolding for construction of the proposed dwelling.
- 6.2 Areas where Temporary Ground Protection will be used are displayed on the Tree Protection Plan with blue hatching.
- 6.3 Ground protection should be designed to in a way to support the expected loading without distortion to avoid compaction of the soil beneath.
- 6.4 For foot access only, scaffold boards laid on a 100mm layer of woodchips on top of a landscape fabric or suspended scaffold boards laid over a driven in scaffolding frame shall be sufficient.
- 6.5 After installation, ground protection should be inspected by the project arboriculturalist to ensure correct placement and that it is suitable for its intended use.

7 Restrictions within the Construction Exclusion Zone

- 7.1 The following operations shall be prohibited within the Construction Exclusion Zone or within any RPA as shown on the Tree Constraints Plan TCP:

- ▶ Mechanical excavations ◀
- ▶ Excavation by any means without prior consultation with the supervising arboriculturalist and a detailed method statement approved by EBC ◀
- ▶ Changes to ground levels ◀
- ▶ Storage of machinery or materials ◀
- ▶ Storage or mixing of chemicals e.g. cement ◀
- ▶ Washing down or cleaning of plant or equipment ◀
- ▶ Fires near to or within 10m of the CEZ ◀
- ▶ Any Vehicle access or parking ◀

- 7.2 All personnel permitted onsite shall be informed of the purpose of the CEZ and its importance.
- 7.3 This Arboricultural Method Statement shall be available to any personnel onsite whose work could have an impact on trees.

- 7.4 If the site manager is uncertain of an appropriate course of action, where trees onsite may be effected or an unexpected situation arises that may impact a protected tree, the project arboriculturalist shall be consulted to find a suitable solution with agreement from EBC where required.

8 *Deliveries, Material Storage and Contractor Parking*

- 8.1 All deliveries shall initially be made using the existing entry/exit route displayed on the TPP with a red arrowhead, or once constructed, the new access route, displayed on the TPP with a blue arrow head. No impact to trees through the use of these entrance/exit routes is anticipated.
- 8.2 All materials shall be stored in a compound sited outside of any tree RPA until required for use. Any materials or liquids that could be harmful to trees or that may contaminate soils shall not be stored or discharged within 10 meters of a CEZ. Site gradients should be considered when storing and discharging liquids so they cannot flow towards trees. A spill kit shall be available onsite to be used in the event of a chemical spill that could flow in to an RPA. If a spill occurs, efforts must be made to prevent the flow of chemicals in to an RPA. The project arboriculturalist shall be consulted to determine if any remedial actions are needed.
- 8.3 Contractor parking is available to the west of the site in the existing parking area. No impact to trees through the use of this area is anticipated.

9 *Works within or immediately adjacent to RPA's*

- 9.1 All excavations within or immediately adjacent to any RPA's shall require on-site supervision by the project arboriculturalist.
- 9.2 Removal of the existing dwelling and outbuilding that is within on immediately adjacent to any RPA shall be carried out by hand or in such way as to avoid soil compaction.
- 9.3 Wherever possible foundations within or immediately adjacent to RPA's shall be left in place.
- 9.4 If required the relocation of the Tree Protection Fencing shall be permitted to carry out demolition operations.

The fencing shall be moved the minimum distance to allow the works to be completed.

Reinstallation of the fencing shall take place immediately preceding completion of the works to the original location (referring to the dimensions displayed on the TPP).

Machinery shall be placed to work from outside of any RPA and remain outside of any RPA at all times.

Structures should be dismantled inwards and removed away from RPA's avoiding damage or compaction to any retained trees rooting zones.

In the event that any tree roots are exposed, care must be taken to avoid damage to them and the area shall be backfilled with clean top soil immediately. Should this not be possible, any exposed roots shall be covered with a damp hessian material, and kept damp until such time it is possible to backfill with clean topsoil.

Light compaction of the area immediately adjacent to the RPA shall be permitted, however care must be taken to ensure no compaction within the RPA takes place.

- 9.5 Encroachment within the RPA of T5 for the installation of a new driveway/parking area is required. The encroachment into T5's RPA totals approximately 0.7%. The installation of the new surfacing shall not take place until root pruning has been carried out (see section 10).

- 9.6 It shall be acceptable to carry out soft landscaping activities within RPA's if adhering to the following:

All soft landscaping within RPA's should take place once the construction phase has been completed and any tree protection fencing has been removed.

All soft landscaping operations within tree RPA's must be undertaken by hand. No use of any mechanical excavation or rotoaving, for example, shall be permitted.

Excavation using hand tools to remove scrub growth and/or the surface turf layer (approx. 50mm) will be permitted to level the site only.

If roots are encountered care must be taken to avoid any damage. If their removal is deemed necessary, the project arboriculturalist shall be consulted as to whether removal is acceptable. Consent from EBC may be required to carry out any root pruning not specified within this Method Statement.

- 9.7 Construction of the eastern dwellings foundations in it's the south-west corner will be adjacent to the RPA of T5 (within approx. 300mm).

Care must be taken to avoid any impact to the rooting zone of this tree.

There may be a risk of contamination to the rooting zone by leaching of cement and/or other chemicals used to construct the foundation, therefore an impermeable membrane shall be used. The dimensions of the membrane shall extend 1m north and 3m east from the south-west corner of the new foundation, to a depth of the foundations or at least 600mm. The location for installation of the membrane is displayed on the TPP by a thick blue line.

If the foundations are constructed using a poured concrete method, boarding or sheeting shall be used to minimise any splashing in to the RPA.

A spill kit shall be immediately available, to be used in the event of a chemical spill that could flow in to the RPA. If a spill occurs, efforts must be made to prevent the flow of chemicals, and flowing water used to dilute any spill.

10 Root Pruning

- 10.1 Root pruning is required in the area marked on the TPP with green squared hatching and will be carried out as follows:

A trench of 300mm wide, just outside the line of the driveway will be excavated by hand using hand tools or an airspade to a depth of at least 600mm.

Should any roots be found within the trench they shall be severed with a sharp pruning saw or secateurs to ensure a clean cut and no ripping or tearing takes place, giving the severed root the best chances of occlusion.

Root pruning shall be carried out by the project arboriculturalist or by a trained operative under arboricultural supervision.

11 Design and Installation of utility services and drainage

- 11.1 Underground apparatus shall be routed to remain outside of any RPA wherever possible. Should this not be possible, the project arboriculturalist shall be consulted and a detailed method statement prepared. Consent from EBC may be required to carry out any installation within tree RPA's not specified within this Method Statement.
- 11.2 All designs and installations should be carried out in accordance with the current National Joint Utilities Guidelines (NJUG).

12 Mitigation Planting

- 12.1 Six trees are required to be planted in mitigation of the loss of six category C trees.
- 12.2 Tree species and exact planting location shall be included within a Landscaping Scheme and a ten year tree maintenance program to ensure their establishment shall also be specified and approved by EBC. I recommend large and long-lived species are selected wherever possible (refer to TDAG categorisation).
- 12.3 All planting operations shall be carried out in accordance with BS8545:2014 Trees from nursery to independence in the landscape – recommendation or recognised industry best practices. This shall ensure that the replacement planting has the best chance of establishment and minimise the risk of failure.

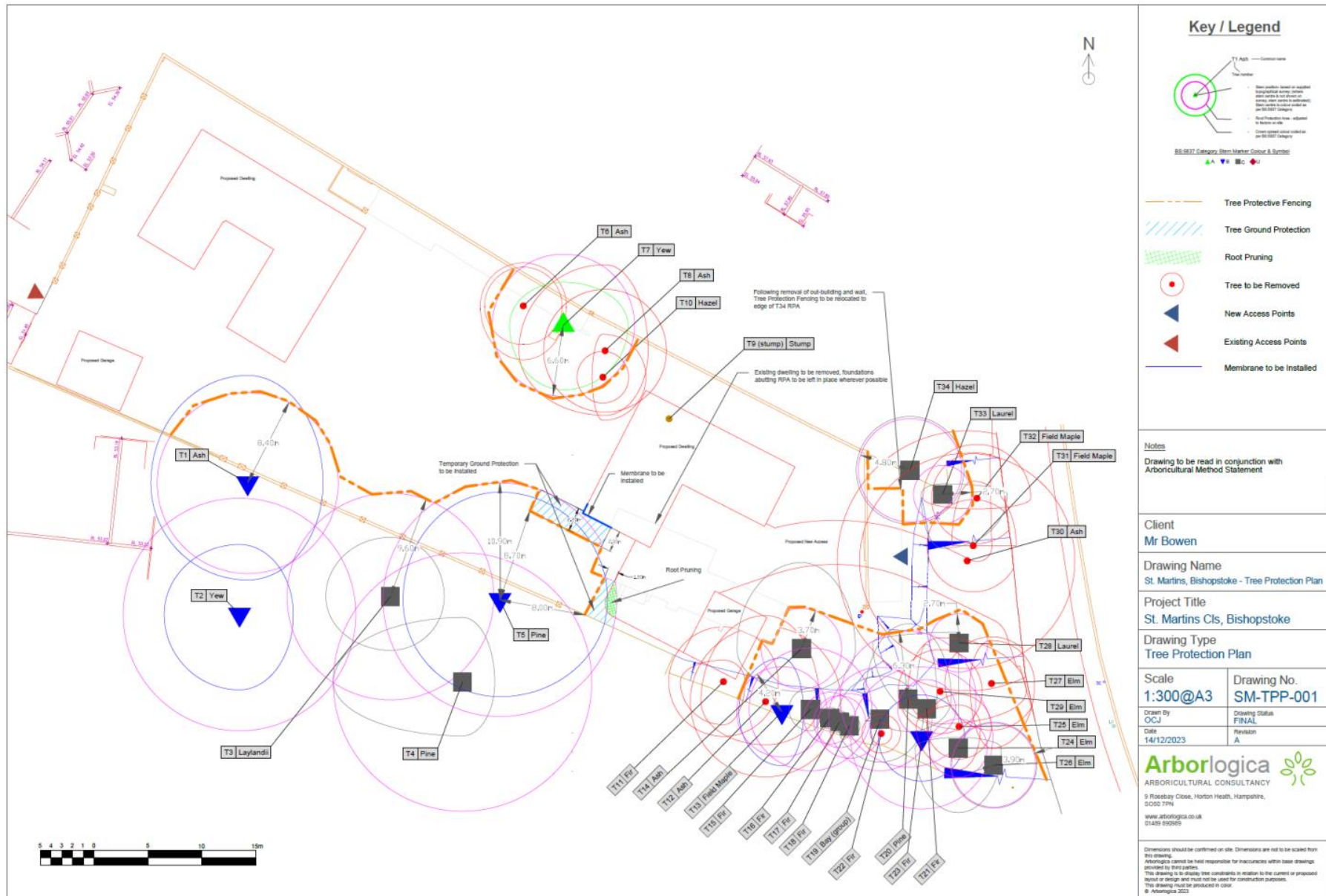
13 Site Monitoring

- 13.1 Once all tree protection measures have been installed, a site visit shall be made by the project arboriculturalist to check that all measures have been installed appropriately and in accordance with this Arboricultural Method Statement. For all site monitoring, photographic evidence may be supplied to the project arboriculturalist in replacement of a site visit, they must show all protection measures outlined in this AMS.
- 13.2 Following either the site visit or supplied photographs, the project arboriculturalist will provide a site monitoring report which shall be retained by the client or contractor.
- 13.3 Further visits shall be made post construction / completion of the project (or at relevant phases outlined in this report) to report on any changes or damage to trees that may have occurred and determine any remedial actions are required.

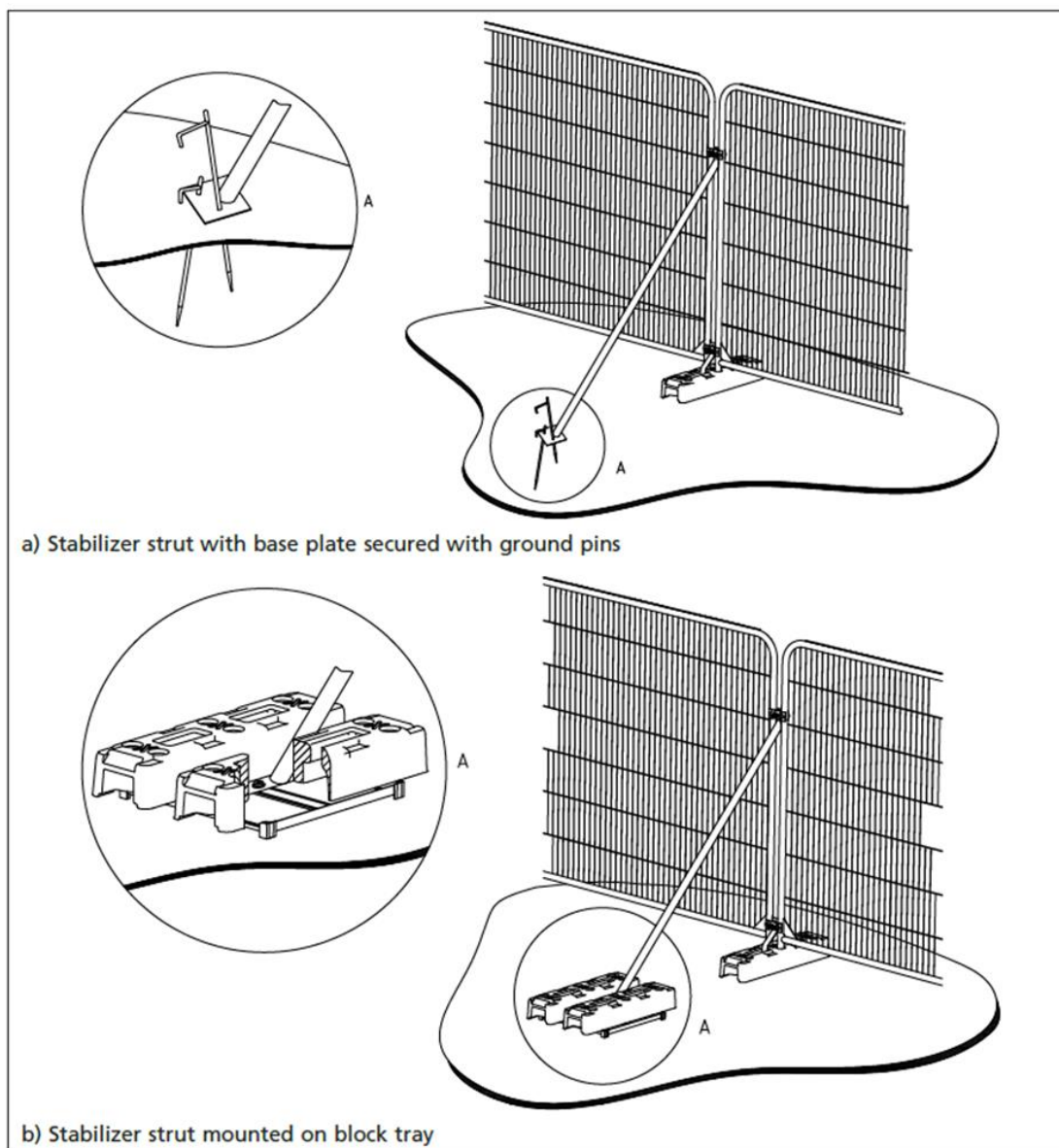
Appendix 1 - Tree Works Schedule

Tree ID	Species	Works
T6 T8 T10	Ash & Hazel	Fell and grind out stumps.
T11 T12	Fir & Ash	Fell and treat Ash stump.
T22 T25 T29 T31	Fir, Elm & Field Maple	Fell
T27 T32	Elm & Field Maple	Fell
T30	Ash	Fell and remove stump

Appendix 2 - Tree Protection Plan (for higher resolution plan see enclosed drawing SM-TPP-001.pdf)



Appendix 3 – Tree Protection Fencing configuration



Appendix 3 – Example Tree Protection Fencing Signage

