

Arboricultural Method Statement

Site Address:

12, Malcolm Road, Chandlers Ford, SO53 5BG

Ref: KTML26-469-12MalcolmRdCF-AMS-1.0

**There are trees with Tree Preservation Orders on this site.
Damage to ANY live part of a protected tree, including roots,
may result in prosecution.**

Kiss
Tree
Management
Limited



Sarah Kiss *F.Arbor.A, MICFor, VETCert.*



Purpose

This arboricultural method statement (AMS) describes the practices and methods that must be used to avoid damage to retained trees throughout the development process.

There is a high likelihood of harm to trees on a development site, usually unintentional, but with long-term adverse impacts to trees.

Roots support trees and transport water and nutrients from the soil to where they are needed. Roots are easily damaged by compaction, severance or contamination. The results may be invisible and take years to show.

This method statement is written to support the development of a single storey side extension and timber-framed garage at 12 Malcolm Road, Chandler's Ford.

Instruction to contractor. If any potential for damage to trees arises that is not covered by this method statement, the project arb must be contacted prior to any works continuing that might compromise tree health or stability.

Glossary

Term	Meaning
RPA	Root Protection Area
CEZ	Construction Exclusion Zone
BS5837:2012	British Standard for trees in relation to demolition, designs and construction
BS3998:2010	British Standard: tree work recommendations
AIA	Arboricultural Impact Assessment
AMS	Arboricultural Method Statement
TCP & TPP	Tree constraints Plan and Tree Protection Plan

Relevant documents

Document	Reference
Proposed site plan	2251032-010-Proposed-Site-Plan-Rev-A-A3
Design proposal	2251032-004-Proposed-Garage-Plans-and-Elevations-Rev-B-A3
AIA	Arboricultural Impact Assessment ref: KTML26-469-12MalcolmRdCF-AIA-1.0
TCP & TPP	12 Malcolm Road CF-TCP & TPP-1.0 (one plan covers both as no trees removed)

1 Tree protection fencing

Protective barriers are needed to restrict access by construction activity that may cause damage to tree roots or soil structure.

- 1.1 This site has sufficient room to accommodate the construction activity and working space without incursion into the root protection area (RPA)
- 1.2 Therefore, the primary form of protection is to exclude construction activity using braced Heras fencing or similar rigid, tamper proof fencing.
- 1.3 Tree protection fencing is specified in BS5837:2012 trees in Relation to demolition, design and construction.
- 1.4 A system such as braced HERAS fencing is suitable such as the default specification at Figure 2 of the standard, shown at figure 1 below.

- 1.5 Fencing must be erected prior to site occupancy. It must remain in place until the end of construction. It will be set out as shown in the Tree Protection Plan (TPP) for this site. There are three runs of fencing on this site, each protecting one tree and associated shrubs.
- 1.6 Fencing lines must not be altered or temporarily set back without the prior agreement of the consulting arboriculturist. See paragraph 2 below for methodology if the fencing must be set back for access.

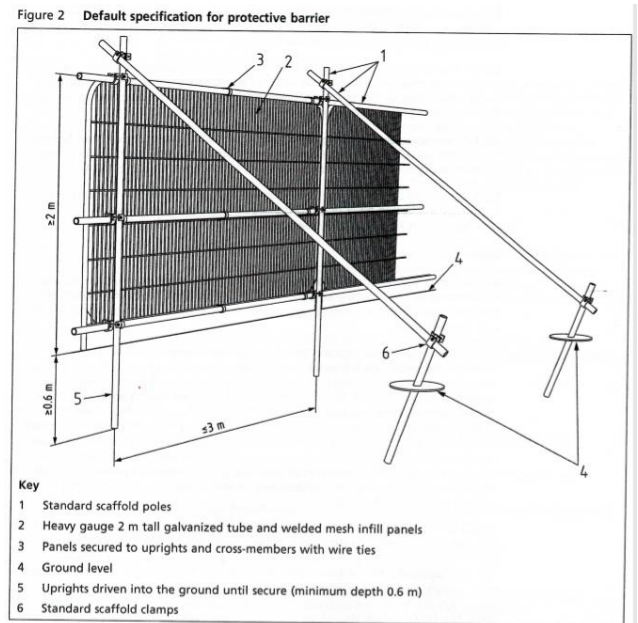


Figure 1: specification for tree protection fencing

- 1.7 Fencing will remain in place for the duration of the proposed works and must be maintained as installed to ensure effective protection.
- 1.8 Existing hardstanding such as the main access drive will be used where available only if appropriate for the proposed works.
- 1.9 Fencing positions are shown on the protection plan and as follows:
 - T1 to follow the line of the removed retaining wall.
 - T2 to follow the eastern edge of the existing parking area
 - T3 to follow the southern edge of the existing asphalt drive

2 Temporary access to the protected area.

Fencing lines must not be altered or temporarily set back without the prior agreement of the consulting arboriculturist

- 2.1 Existing protective barrier panels, in their original configuration, will be removed, working from outside the RPA. Only remove barrier panels necessary to complete the adjustment, all others must remain in place.
- 2.2 The removed barrier panels will be stored in an approved designated location (again, outside the RPA) and it must be made clear to all staff that entrance into the RPA remains off-limits even when the barrier panels are removed.
- 2.3 Works to install the ground protection and to reinstate the barrier panels in their new alignment must be carried-out as quickly as possible and if the RPA is to be left open for any time (e.g., overnight), a temporary barrier (such as red-and-white warning tape with appropriate signage) must be in place until works can be restarted.
- 2.4 Ground protection will be installed working from outside the RPA working inwards towards the tree, always working from hardstanding (if present) or installed sections of ground protection, never form unmade ground. Once the ground protection is in place, the barriers (together with any supplementary barriers) will be reinstalled, again, working from the ground protection.
- 2.5 The ground protection will remain in place for as short a period as possible and must be removed once no longer required. Removal of the ground protection will be a reverse of the installation process, with the barrier panels being removed first and stored in the designated area and the ground protection rolled back until the RPA is clear. Hand tools only may be used to clear any debris from the RPA. The barrier panels will then be reinstalled in their original configuration.
- 2.6 The type of ground protection will be suitable for the anticipated loads.

3 Storage and mixing of materials.

Storage and mixing of building materials carry the risk of soil contamination and compaction. Both may lead to root death which in turn causes stress, even death, to trees.

- 3.1 Consideration must be given to the storage and mixing of materials prior to works commencing. Designated enclosures must be established on level ground

and must be outside any RPA/CEZ as shown on the tree protection plan. Areas recommended for storage and mixing are shown in turquoise on the tree protection plan and are between the dwelling and the parking area.

- 3.2 Where a storage area cannot be located outside an area designated for future landscaping, ground protection must be installed to prevent compaction of the soil.
- 3.3 Materials such as oil, fuel or cement will not be stored or mixed (or allowed to discharge onto the ground) within 5m of an RPA/CEZ and pollution controls such as spill kits, mats and bunds will be available/in place at all times. This is particularly important on this site where the mixing and storage area is uphill from protected trees: leaks and spills of chemicals toxic to tree roots may go unnoticed. Regular checks are to be made to ensure the protective measures and bunds are not breached or damaged.
- 3.4 All vehicular access to the storage areas (for delivery or dispersal of materials) will be via the main drive, potentially with larger loads being split into smaller ones for ease of movement around the site.
- 3.5 Barriers sufficient to prevent materials falling (or loose material blowing) onto an RPA/CEZ will be in place before designated enclosures are first used.

4 Piling for the garage slab.

Piles are to be used as a lower-impact alternative to trenched foundations due to the likely presence of roots from T2.

- 4.1 Piles will be installed from the level parking area, NOT from within the RPA. There is potential for root conflict as the piles are installed as the nominal RPA crosses the parking area.
- 4.2 Piles will be sleeved with plastic so no concrete meets tree roots, if found, or leaches into the soil.
- 4.3 There is some flexibility to relocate the piles so if a root is encountered the pile can be shifted to avoid it.
- 4.4 As this activity is at the periphery of the RPA of T2 it is not thought that large roots are likely to be encountered. Given the relatively low risk this is assessed as acceptable.

5 Access and parking

The potential for damage through vehicular movements within the site is limited by the protection fencing.

- 5.1 Prior to the garage being constructed, the level parking area can be used for turning and temporary storage.
- 5.2 Tree protection fencing will never be moved to allow parking within the RPA. Unrestricted alternative parking is available in Malcolm Road.

6 Utilities and new service runs.

Any excavation in the root protection area can sever roots and lead to instability or decay.

- 6.1 **Extension.** As the proposal is an extension to the existing dwelling connections will be made from existing looms and feeds.
- 6.2 **Garage.** For the garage there are no trees or protected area between the dwelling and the site of the garage.
- 6.3 Any feeds to the garage are to come from the existing dwelling from the east, not through the RPA of the protected trees.

7 Quitting the site

There may be a temptation to remove protective barrier before works are complete. Resist it so trees are fully protected throughout.

- 7.1 Once works are complete and excess material, equipment and construction waste have been removed, fencing may be dismantled from outside the RPA and removed from site.

8 Issues arising with trees – contact the project arb.

If any potential for damage to trees arises that is not covered by this method statement, the project arb must be contacted prior to any works continuing that might compromise tree health or stability.

- 8.1 The project arb for this site is Sarah Kiss contact details as follows:

Email: sarahlkiss@gmail.com

Phone/WhatsApp 07800575552. Questions can often be answered by video call so make sure measurements and scale can be determined prior to calling.

- 8.2 If the project arb cannot be contacted immediately, cease works in the conflict area and wrap any exposed roots in damp, clean hessian or backfill loosely with damp topsoil to avoid desiccation.

Remember: trees on site are legally protected so any damage, accidental or not, to any live part may result in prosecution.

Appendix A – Tree Protection plan. Also supplied separately.

