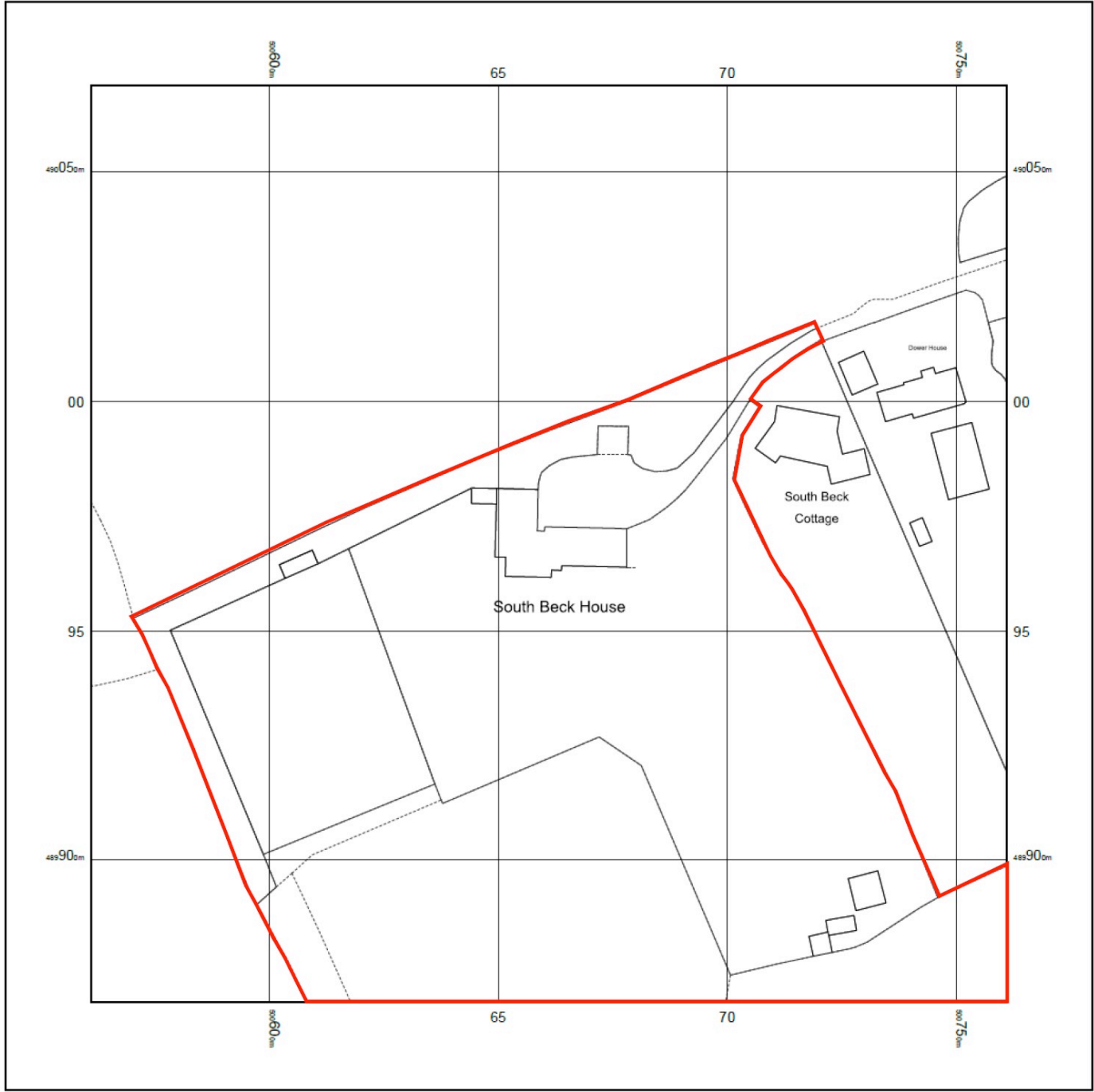
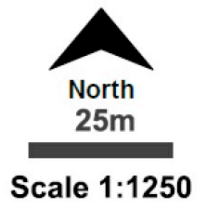


Tree survey at South Beck House – summer house - Scalby

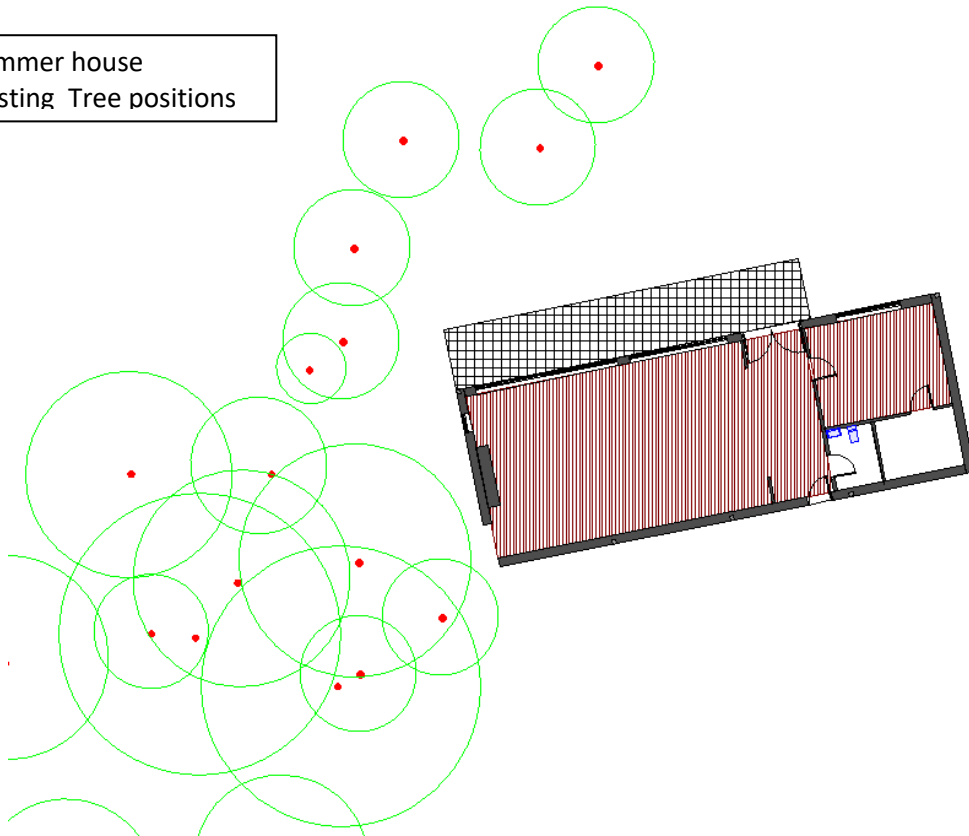


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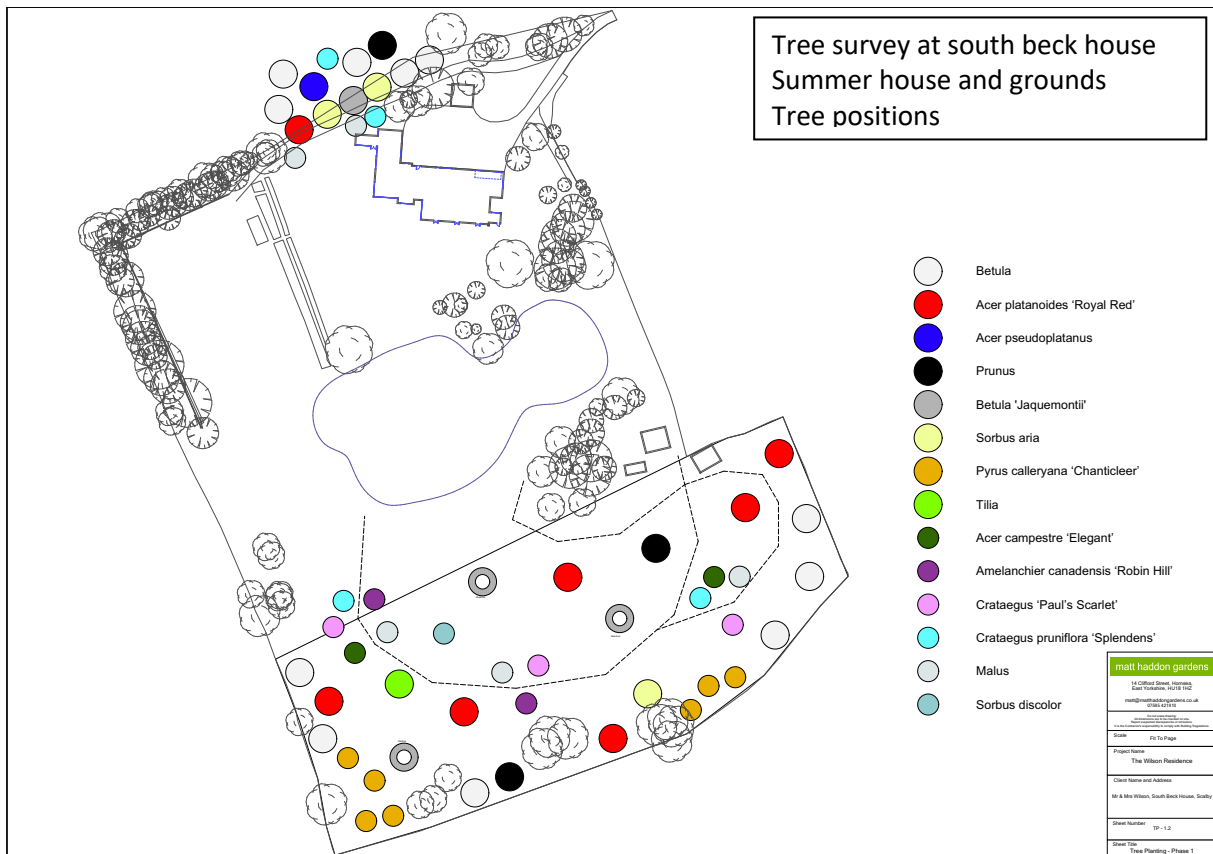
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Existing Trees on Site - The trees were mature and generally in good condition.

Summer house
Existing Tree positions



Tree survey at south beck house
Summer house and grounds
Tree positions



Construction Processes of the Proposed Development

As can be seen on the proposed development plan the new development does not fall within any existing RPA of the trees on site. The closest development is located to T7 and T9 where the construction is located on the western side of the existing boundary. On the northern side the proposed development will be closer to T4 but is still approximately 4 m from the trunk and approximately 1.7 m beyond its RPA (as shown on the drawing).

No access to the RPA of any retained tree will be permitted before or during construction activity, unless detailed in an Arboricultural Method Statement from an appointed specialist. The processes of construction are highly unlikely to have a detrimental effect upon the health of the retained trees assuming recommendations made in this report are adhered to at all times by the contractors e.g. the positioning of a stout fence between the retained trees and construction activities is placed prior to commencement of works and remains intact and in position throughout the duration of the construction activities. BS5837 recommends that retained trees are incorporated into Construction Exclusion Zones (CEZs) and suitably protected throughout the development process. The CEZs are clearly marked on the Tree Protection Plan, the process for protection will be:

- Tree Protection Fence installed
- Development of site
- Removal of Tree Protection Fence

Mitigating Tree Loss/New Planting

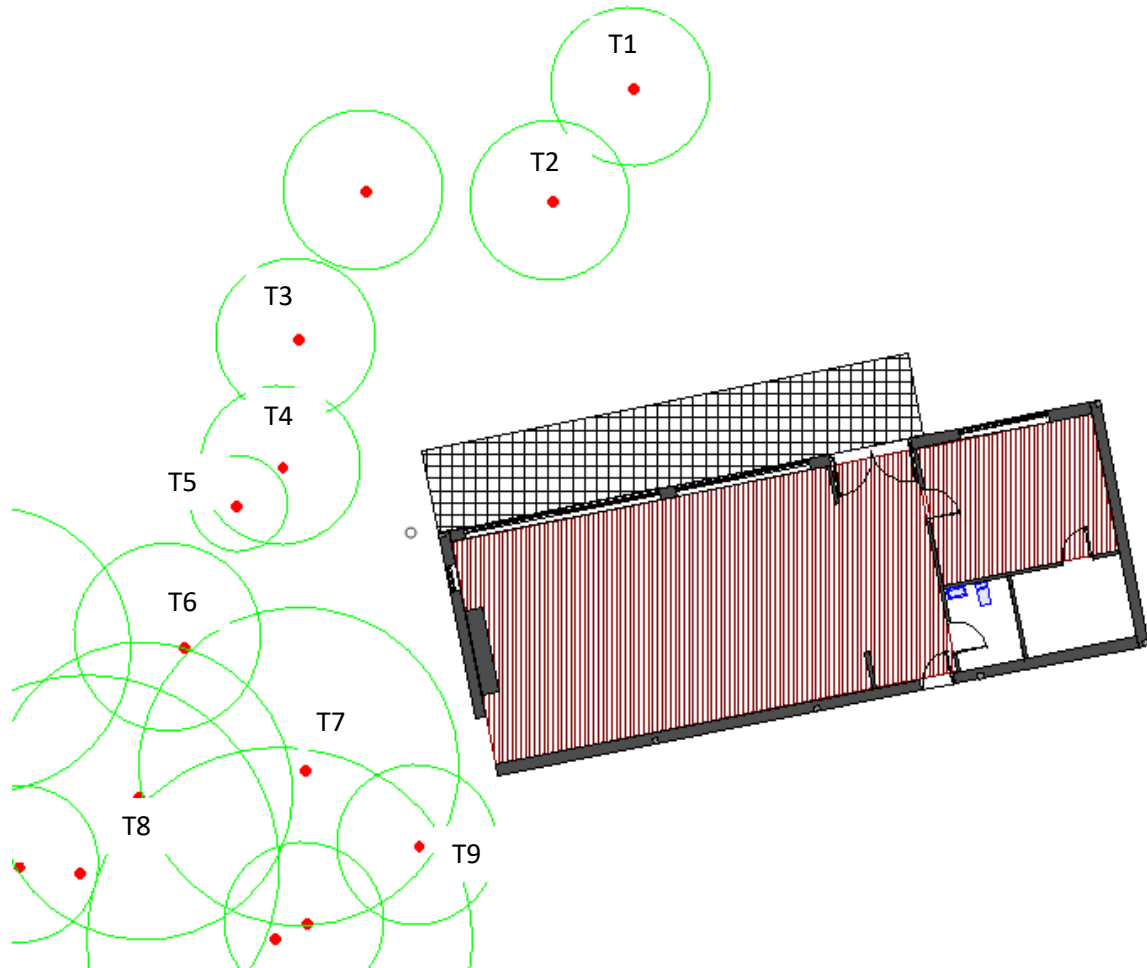
New tree planting is planned on other areas of the site and this will be measured/assessed in line with Department for Communities and Local Government (DCLG) Planning Policy:

PPS 1 – Protection and Enhancement of the Environment - “Planning should seek to maintain and improve the local environment and help to mitigate the effects of declining environmental quality” and “to protect and enhance the quality, character and amenity value of the countryside and urban areas as a whole.”

PPS 3 – When Assessing Design Quality - “the extent to which the proposed development...provides for the retention or re-establishment of the biodiversity within residential environments.” The retained trees may require some minor pruning over the 10-20 years following completion of the development but the level of pruning is likely to be minor with a low impact on the trees health and amenity value.

PPS 9 – Key Principles - “development should take a strategic approach to the conservation, enhancement and restoration of biodiversity and geology, and recognise the contributions that sites, areas and features, both individually and in combination, make to conserving these resources.”

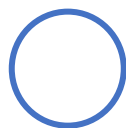
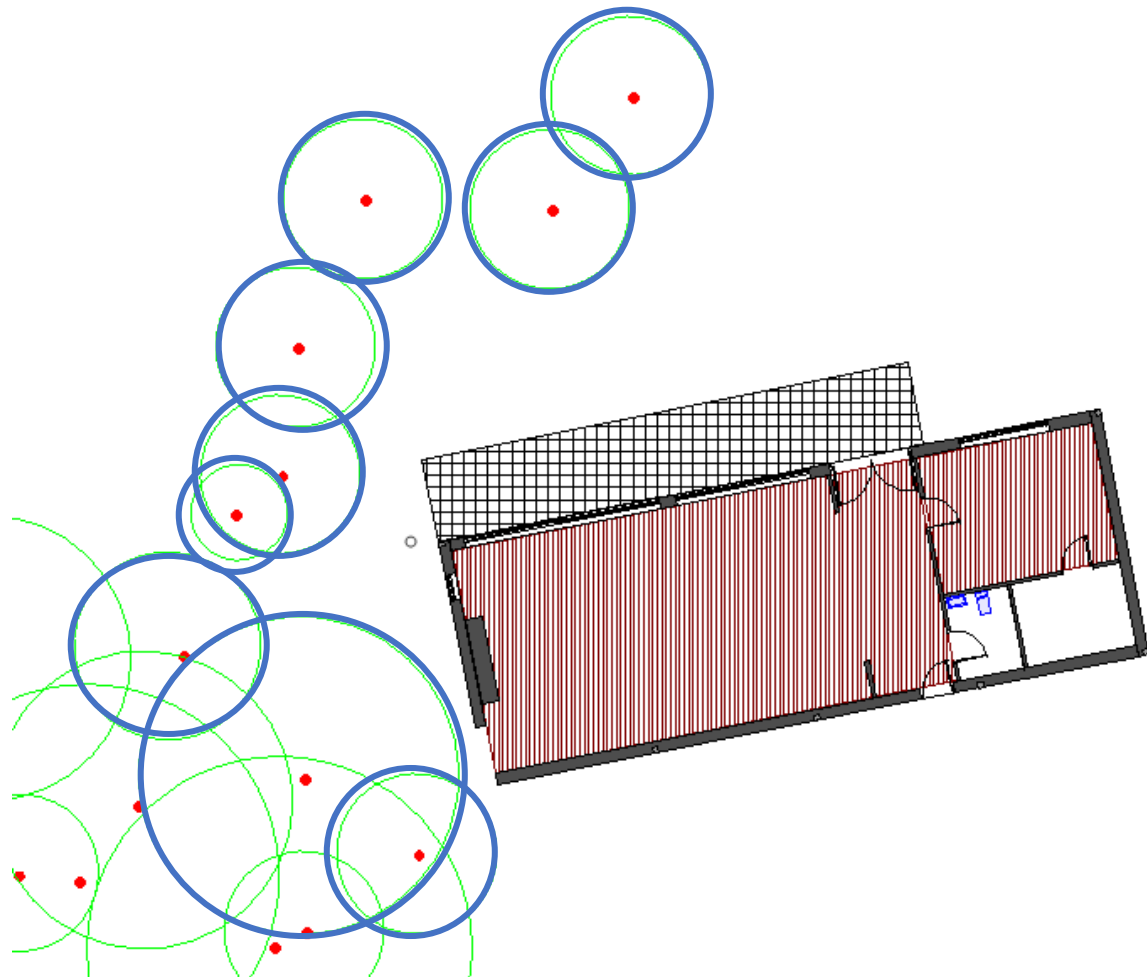
Existing trees



- T1 *Prunus padus*
- T2 *Pinus sylvestris*
- T3 *Fagus sylvatica*
- T4 *Pinus sylvestris*
- T5 *Pinus sylvestris*
- T6 *Pinus sylvestris*
- T7 *Pinus sylvestris*
- T8 *Pinus sylvestris*
- T9 *Pinus sylvestris*

Root Protection Areas (RPAs)

The RPAs have been calculated in accordance with BS5837, and are detailed on the Tree Survey Plan



Root protection area

Below Ground Constraints Proximity of Trees to Structures

Details of below ground services were not available and examination indicates that services are not located in this garden area.

Recommendations

It is recommended that the arboricultural protection measures are clearly communicated to the entire construction team prior to commencement. This is most effectively managed by monitoring the development on a regular basis, checking tree protection measures in relation to the Tree Protection Plan & Arboricultural Method Statement(s). All tree work will be undertaken by trained and competent personnel to current industry standards and guidance.

Method Statement for Tree Protection Throughout the Development & Construction Period

The CEZs will be protected at all times by robust fencing. No works will be undertaken within any CEZ that causes unnecessary compaction to the soil or severance of tree roots.

A protective fence will be erected prior to the commencement of any site works e.g. before any materials or machinery are brought on site, development or the stripping of soil commences. The barrier will have signs attached to it stating that this is a Construction Exclusion Zone and that no works are permitted within the barrier. The barrier may only be removed following completion of all construction works. The fence is required to be sited in accordance with the Tree Protection Plan and is shown on the default specification for protective barrier shown below

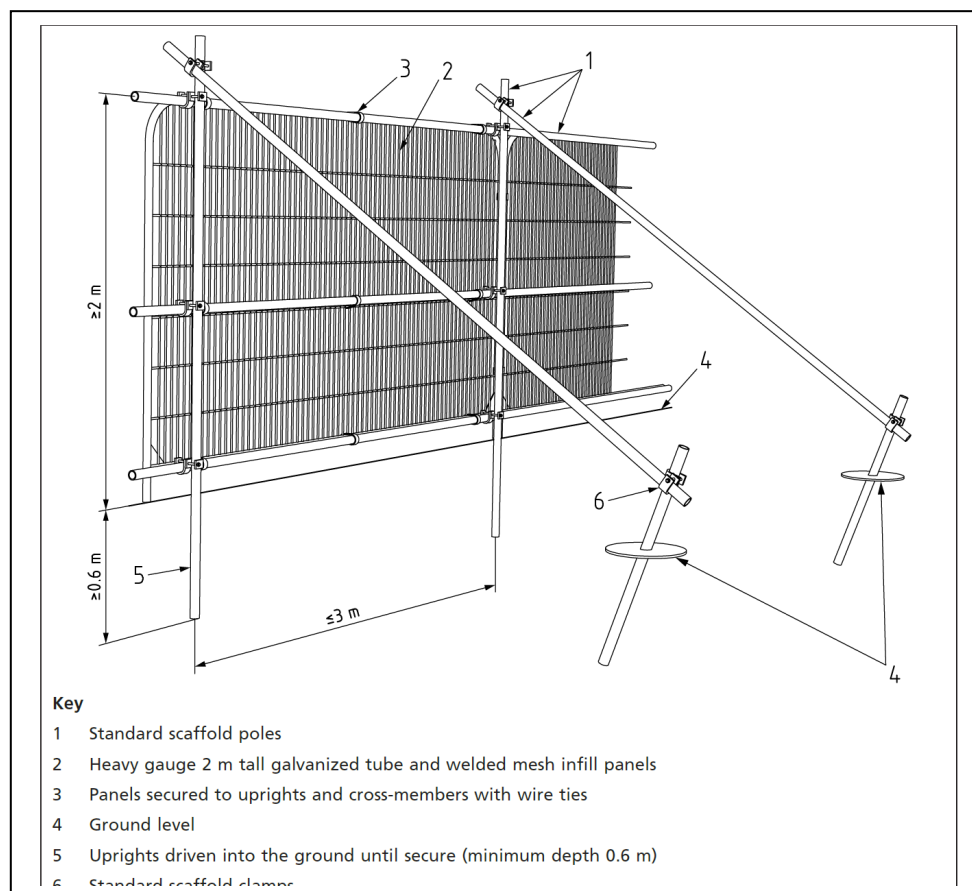
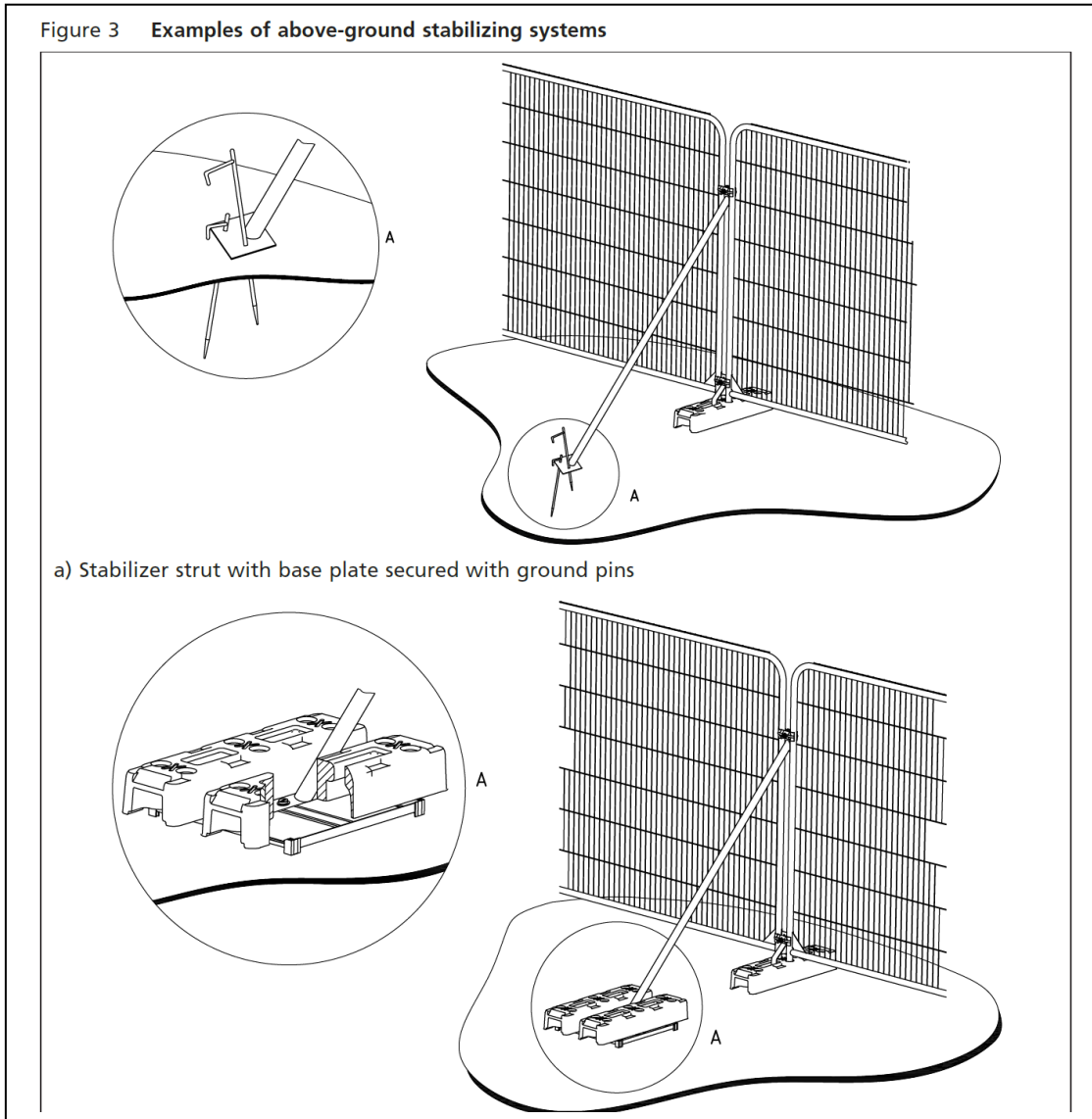


Figure 3 Examples of above-ground stabilizing systems



Arboricultural Method Statement

Care will need to be taken to avoid damage to the roots of the trees due to compaction, storage of materials and possible root destruction. The method statement sets out the principles of tree protection that need to be followed. This is an outline to demonstrate that the proposal is possible without causing unnecessary damage to the tree.

To protect the existing tree roots the installation will be as follows:

- The tree protective fencing will be erected prior to any works commencing on site
- The line of the final cut for the hard surface will be marked on the ground.
- Excavation will not take place in the RPA.
- A geotextile membrane will be placed to maintain a separation of layers and on top of this, an open cellular panel.
- The stones will be filled to overflowing and compacted into it.

Arboricultural Method Statement

No footways are proposed within the root protection areas at this time.