



TREE PROTECTION STRATEGY

GLEBE HOUSE CRUMLIN VILLAGE DUBLIN 12

Project No.	Project name	Date	Revision
TGLE002	Glebe House	11/04/22	-

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Fig 1. Tree Protection Fencing Detail

1. Introduction

This document is designed to outline the procedures which will be undertaken to effectively retain trees free from adverse construction impacts for the duration of the construction period on the site of proposed development at Glebe House, Crumlin, Dublin 12. The document is divided into sections which begin at the pre-construction planning stage and follows on to post construction re-assessment of retained trees.

1.2 Key issues

Appointment of an arborist (Site Arborist) to oversee all works relevant to trees.

Scheduling of tree and construction works.

Establishment of tree protection (refer to Drawing TGLE002 103 Tree Protection)

Monitoring of tree protection (adherence to the Tree Protection Code of Practice).

Supervision of works in the vicinity of trees.

Post construction re-assessment of retained trees.

2. Consulting Arborist

A Site Arborist shall be appointed prior to the commencement of site construction works and will be responsible for the setting up and monitoring of tree protection, liaising with local authority tree / planning officers and providing feedback and advice to the design construction teams on issues relevant to trees. The Site Arborist shall be retained for the duration of construction works and should be appointed to carry out a post-construction tree survey / assessment.

3. Scheduling of works

3.1 Pre-construction meetings/tree works

- An onsite meeting will be held if required, with all relevant parties; including the Developer and or his Agents, Site Arborist and Local Planning Authority
- Remedial works to trees throughout the site where indicated as necessary within the Tree Works Schedule. All works will be undertaken to BS 3998 2010 Tree Work and/or to current best practice.
- Erection of tree protection fencing as per recommendations contained within BS 5837:2012 Trees in relation to design, demolition and construction - Recommendations. Tree protection to be erected under supervision of Site Arborist prior to main construction works being undertake on site (refer to drawing TGLE002 103).

3.2 Construction period

- The Site Arborist shall monitor tree protection.
- The Site Arborist shall specify any necessary remedial works to trees which may arise due to construction works.
- The Main Contractor shall carry out any instructions made by the Site Arborist with regard to the protection of retained trees and ensure where necessary that these instructions are followed by any sub-contractors.

3.3 Post construction works will consist of:

- Re-survey of retained trees and the implementation of measures contained with the survey document.

4. Preservation of Trees

4.1 Contractors obligations

The Contractor shall take all precautions to ensure that any trees which are not required to be taken down under the contract shall remain undisturbed and undamaged. All works to trees and all operations adjacent to trees should be undertaken in accordance with the Code of Practice. The Contractor must appoint a qualified arboricultural contractor to undertake all tree works subject to approval by the Consulting Arborist. The Contractor shall undertake no works to trees unless instructed by the Contract Administrator. All works on or within the Construction Exclusion Zones are to be supervised by the site arborist. Five working days' notice of intention to undertake works to be given.

4.2 Setting out: Protected Tree Zone/Construction Exclusion Zone

The tree protection zone shall be set out in accordance with the Code of Practice (5) and as per drawing TGLE002 103 Tree Protection. A notice 'Construction Exclusion Zone' shall be placed on tree protection fencing at regular intervals along the protective fencing. This notice shall include contact details for the Site Arborist. Strictly no access should be permitted to this zone unless instructed by the Site Arborist.

The Contractor is to maintain the protective fencing in good condition to the satisfaction of the Site Arborist for the duration of the contract. Any damage to fencing is to be reported to the Site Arborist immediately. Damaged fencing is to be repaired within 2 hours of the damage occurring. All works within the vicinity of the damaged fencing are to be suspended until the fencing is repaired.

4.3 Maintenance of Protected Tree Zone

The Site Arborist should be given 5 days' notice of any works within or access required to this zone. The 'Protected Tree Zone' should under no circumstances be used for storage of materials, equipment, or site debris. No fires should be lit within the "Protected Tree Zone", or equipment washed or cleaned.

5. Code of Practice for the preservation of trees.

The following specification is intended for the preservation of trees. These guidelines will help sustain vigour and minimise adverse growing conditions for trees set out for retention.

5.1 Code of Practice notifications

The Code of Practice will be brought to the attention of all site personnel including those of the Main Contractor, Sub-Contractors and Engineering Specialists associated with the project.

All operations to be in accordance with BS 5837:2012 Trees in relation to design, demolition and construction -Recommendations.

The Contractor should purchase and make available on site a copy of the above.

5.2 The Site Arborist:

- Supervise the installation of tree protection fencing.
- Supervise all tree works and assess on-going tree protection.
- Liaise with the relevant authorities during the project.
- Constantly monitor the project with regard to tree health to ensure that no damage is caused to the subject trees during the operational works.
- Report any negligent damage to trees which will prejudice their health.
- Monitor, where necessary, all works carried out by the Arboricultural Contractor and Main Contractor within the 'Protected Tree Zone'.

5.3 Arboricultural Contractor:

- Submit a full method statement containing machinery to be used, removal of wood etc. to the Site Arborist.
- Carry out works to the most up to date arboricultural practices available e.g. BS 3998. Recommendations for tree work (as amended).
- Undertake work only with suitably qualified operatives in constant consultation with the Site Arborist.
- Trees identified for removal will be section felled in wooded areas so as not to damage remaining trees.

5.4 Main Contractor:

- Appoint a member of staff to be responsible for tree protection and this person shall be the point of contact between the Main Contractor and the Site Arborist.
- Undertake all work in accordance with this specification.
- Ensure that all personnel, operatives, sub-contractors etc. are aware of this specification and operate accordingly
- Notify the Site Arborist of any potential conflicts that may affect the health, vigour and viability of trees.

5.5 Access:

Access to the site and service roads shall be agreed with the Site Arborist prior to commencement of works. Where it is deemed necessary for heavy machinery access the contractor shall refer to the guidelines within BS 5837 2012 and liaise with the Site Arborist to instigate the most appropriate root protection system.

6. Arboricultural Method Statement

In this instance the existing carpark tarmac surface should have reduced tree root spread into the site with roots mainly limited to the zone adjacent to the northern boundary wall. However, tree roots may exist beneath the tarmac and as the tarmac surface is removed the degree and extent of roots should be assessed. The existing carpark area is to be developed into a lawn area with mixed planting beneath the retained trees. The removal of the tarmac surface should be undertaken in the presence of an arborist and with the use of a small track machine with hand tools used where necessary as and when roots are exposed. The arborist in conjunction with the project landscape architect can determine if and modifications to the lawn layout are required to accommodate tree roots and/or if tree roots can be removed.

The development of the entrance road will be in close proximity to tree #1575. It is not possible to determine if roots have developed beneath the existing tarmac surface at present therefore the removal of the existing tarmac surface will be monitored by the site arborist to allow determinations to be made on appropriate actions if roots are encountered. The use of cellweb© or similar product may be required to build-up over existing tree roots if they are encountered. Alternatively, tree roots <2cm diameter may be removed to facilitate the works. These determinations will be made by the project arborist in conjunction with the project engineer.

The existing northern boundary wall is to be repaired. This will necessitate access for site personnel to the area around the retained trees. It is recommended that thick plywood sheeting is placed beneath the trees to allow access without compacting the tree root zones. Avoidance of soil contamination from concrete spillage can also be limited by the use of the plywood sheeting. The tree trunks should be protected using plywood sheeting to avoid impacts of tree trunks.

7. Post Construction

A post construction report on the condition of trees should be undertaken and all recommendations made within this report should be carried out to BS3998 Tree Works.

Examples of above-ground stabilizing systems

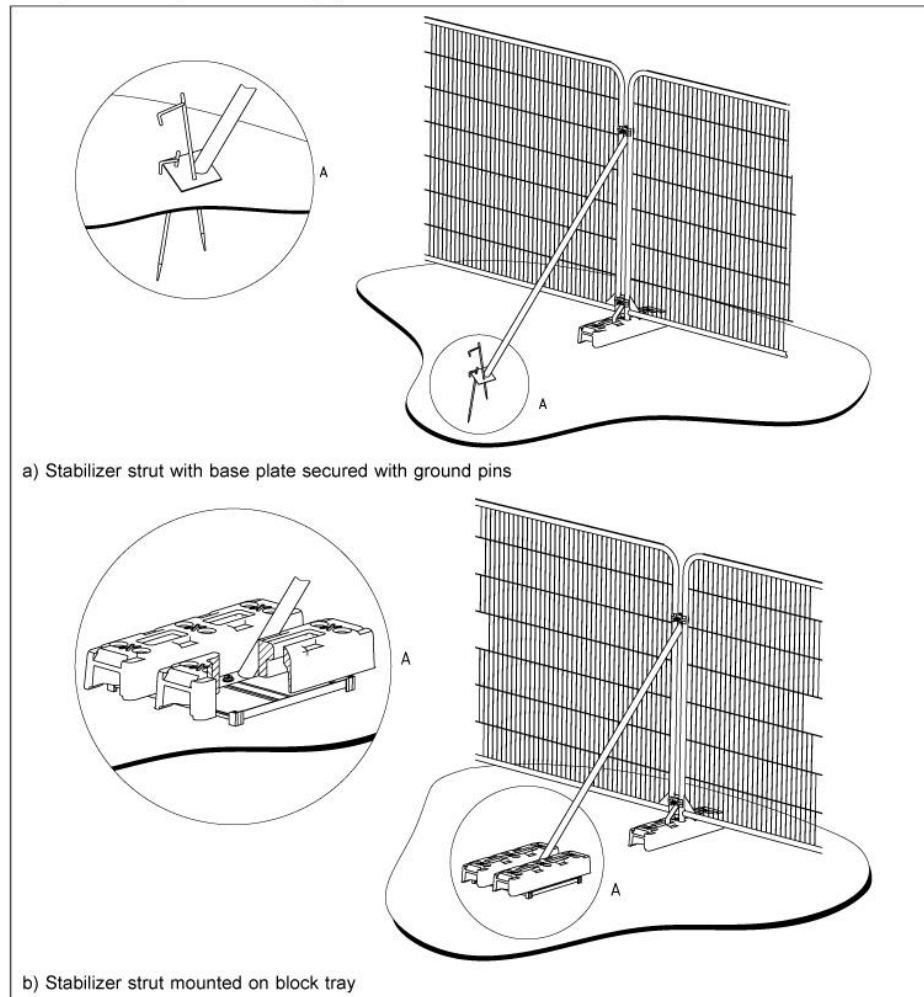


Fig 1. Tree Protection Detail (Herras type fencing or similar approved).