

Figure 2 Default specification for protective barrier

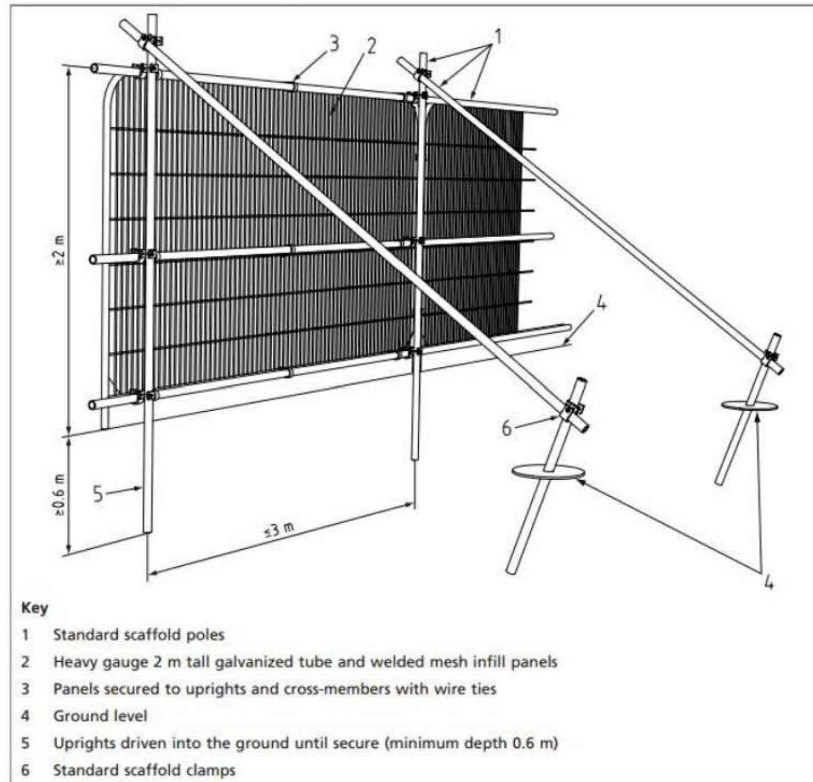
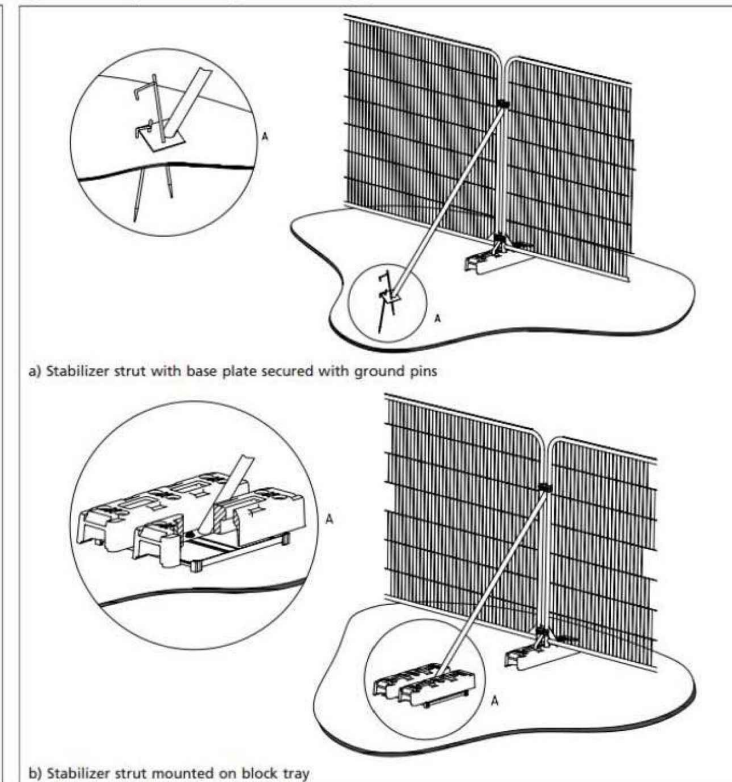


Figure 3 Examples of above-ground stabilizing systems



**GENERAL NOTES TREE PROTECTION FENCING - BS 5837:2012 'Trees in relation to design, demolition and construction'**

All tree protection works to be in accordance with BS 5837:2012 and approved by Contract Administrator / Project Arborist / Landscape Architect.

All trees to be retained on site are to be protected by effective fencing defining the Construction Exclusion Zone (CEZ). The fencing excludes construction activities from the Root Protection Area (RPA) which contains sufficient rooting volume to ensure the survival of the tree.

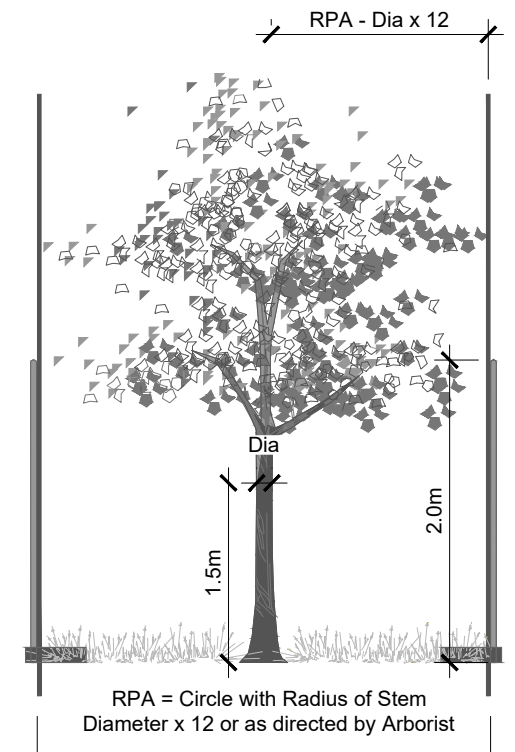
Fencing is to be installed before any materials or machinery are brought onto the site and before any demolition or development commences.

Once erected, fencing is to be regarded as sacrosanct, and should not be removed or altered without the prior consultation with the consulting Arborist or Landscape Architect.

No access is to be permitted for workers to areas behind fencing line (except for specific works such as construction of no-dig paths or planting or with written authorisation from Contract Administrator / Project Arborist / Landscape Architect), no works may be carried out in this area, no materials, machinery, tools, soil or other objects can be stored here and absolutely no excavation may be carried out.

Protective fencing should consist of galvanised steel mesh panels in accordance with drawing (right) comprising a vertical and horizontal framework, staked in place and braced to resist impacts.

Notices should be erected on the fence with following wording: "CONSTRUCTION EXCLUSION ZONE: NO ACCESS"



**EXISTING TREE PROTECTIVE BARRIER - BS 5837:2012 TREES IN RELATION TO CONSTRUCTION Root Protection Area**

**PROTECTION OF EXISTING TREES AND VEGETATION TO BE RETAINED**

**Works Sequence:**

- No construction-related works shall commence until the agreed level of tree protection, in accordance with the 'Tree Protection Plan', is completed.
- All site tree protection will be 'signed-off' as complete by the Project Arborist.
- The tree management plan will be reviewed by the Project Arborist concerning amendments necessary to address changed land use, changed rates of occupation and use. This may account for potential impacts upon the newly-built environment including encroachment on buildings, possible light ingress issues and any other tree safety/management issues, thereby amending (if necessary) the preliminary management recommendations stipulated in the original Tree Survey.
- All tree surgery and felling works will be undertaken under the guidance of the Project Arborist.
- The Project Arborist will liaise with the tree works contractor regarding the nature and extent of woodland access to facilitate felling works.
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- This will include the nomination of 'No Vehicular Access' zones in areas where tree retention is envisaged.
- Whilst the timing of general tree pruning works is less critical, it is appreciated that the Tree Felling Works must be completed prior to construction in the interest of providing works access and reducing the risk of impromptu damage.
- On completion of the felling works, trees to be retained will be reviewed regarding the amending of tree protection works oriented towards the mitigation of exposure and shelter loss.
- After the completion of primary tree clearance but prior to the commencement of construction works, all 'Construction Exclusion' and 'Protective' fencing must be erected to the satisfaction of the Project Arborist.
- On completion of construction works, all protective measures may be removed, but in a manner that does not compromise the 'Protection Tree Zones'. This must be completed in a 'progressive' manner, with each section being removed whilst utilising protection systems still in-situ. Such works must be agreed and overseen by the Project Arborist.
- On completion of construction works, all retained trees will be reviewed regarding condition and longer-term management recommendations and regarding site hand-over.

**Protection of Existing Trees:**

- Protective fences as per details shall be erected before the commencement of any works.
- No works including storage or dumping of materials shall take place within the exclusion zones defined by the protective fencing.
- No fires should be lit close to or within 20 metres of the trunk of any tree that is to be retained. No materials that are likely to have an adverse effect on tree health such as oil, bitumen or cement will be stored or discharged within

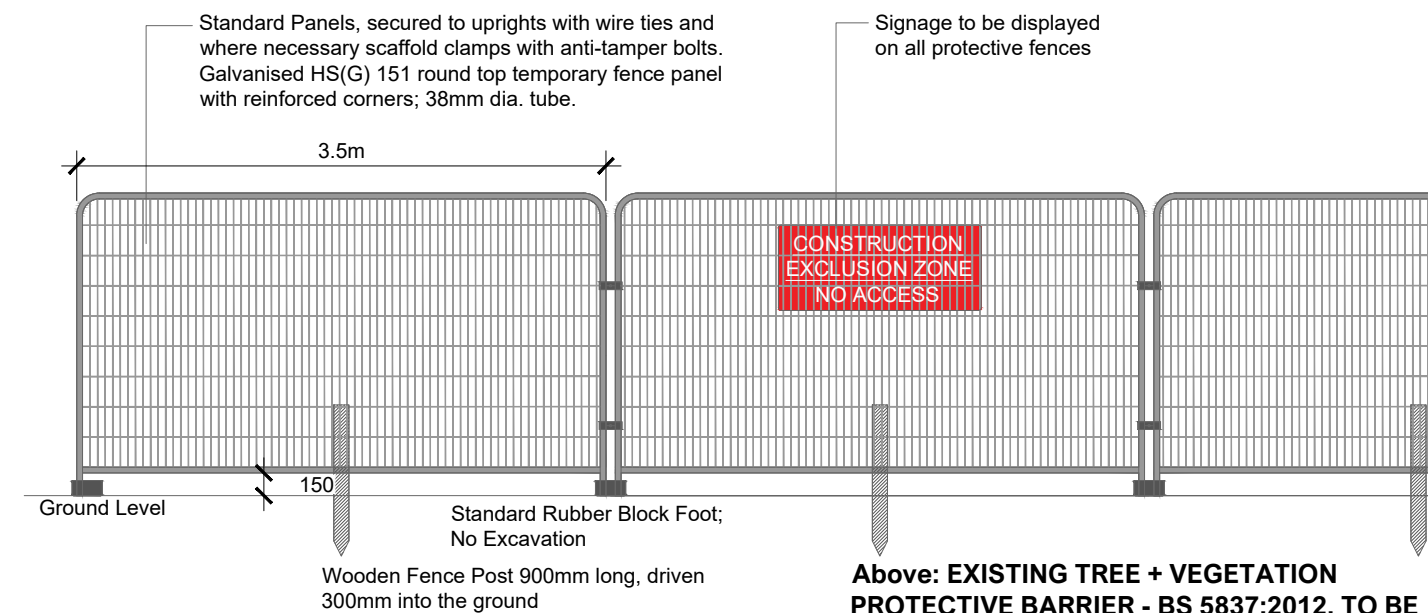
10 metres of a tree that is to be retained.

**Ancillary Precautions:**

- The methodologies as set out in this document apply to all undertakers of work upon or adjoining the site as may require access to the 'Construction Exclusion Zone' or the 'RPA' area of any tree.
- This document and drawing will be disseminated to all persons requiring access to the works site.
- All persons undertaking works either before or after the principal development (site investigations works, Landscape Contractors) are subject to the above requirements.
- Works outside the 'Construction Exclusion Zone' must be controlled to create no potential secondary hazard to tree health.
- Large loads accessing the site must be reviewed regarding clearance and potential tree damage.
- Care must be taken regarding materials that may contaminate the ground. No concrete mixings, diesel or fuel, washings or any other liquid material may be discharged within 10 metres of a tree.
- No fires can be lit within 5 metres of any tree canopy extent.
- No tree will be used for support regarding cables, signs, etc.
- The trees should be reviewed on a regular basis throughout the development process and on completion. At that time, additional recommendations regarding tree management may be required.
- Any issue that has the potential to affect site trees must be brought to the attention of the Project Arborist for review and comment.

**General:**

- Any circumstances that become known whilst the development project is ongoing that either involves trees or access to/works within the Construction Exclusion Zone must be brought to the attention of the Project Arborist for evaluation and advice regarding approach and methodology.



**Above: EXISTING TREE + VEGETATION PROTECTIVE BARRIER - BS 5837:2012, TO BE PUT IN PLACE PRIOR TO ANY OTHER WORKS TAKING PLACE ON SITE**



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JOB NO. 20_174	STAGE PLANNING	
DRAWING TREE PROTECTION MEASURES FOR EXISTING TREES + VEGETATION (TO CONSULTING ARBORIST'S DESIGN DETAIL AND SPECIFICATION)		
DRAWING NO. 20_174-PD-016		
DRAWN BY J COUGHLAN MILJ	CHECKED COLM KENNY MILJ	DATE 17.09.2021
STATUS: DRAFT	SCALE 1:50, NTS	REVISION -
NOTES: All dimensions are in millimeters unless otherwise stated and shall be checked and confirmed by the contractor on site. Any discrepancies shall be immediately reported to the landscape architect. Work to figured dimensions only - Do not scale from drawing. Do Not Scale. Use Figured Dimensions Only. Not for Construction Purposes unless Specifically Marked.		
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