

TREE PROTECTION – HERAS FENCING (INDIVIDUAL & GROUP TREES)

General

Provide protective fencing to BS 5837:2012 Trees in relation to design, demolition and construction – Recommendations.

Install fencing prior to commencement of any site works (including delivery of materials, plant, or machinery) and maintain in place for the duration of construction.

No alteration or relocation of protective fencing without written approval of the contract administrator/local planning authority.

Fencing Type

2.0 m high Heras-type weldmesh panels mounted on rubber or concrete feet, fixed securely with couplers and braced with stabiliser struts at max. 3.0 m intervals (or as manufacturer's recommendation).

Panels to be joined with anti-tamper couplers, fixed so they cannot be lifted or moved without tools.

Extent of Protection

Individual Trees:

Fencing positioned to the Root Protection Area (RPA) radius as calculated in accordance with BS 5837:2012 (12 × stem diameter at 1.5 m above ground level).

Adjust location only where agreed by the project arboriculturist to accommodate site constraints while maintaining tree health.

Tree Groups:

Fencing to enclose the combined RPA of the group, forming a continuous protective barrier around the outermost stems.

Allow sufficient buffer to prevent encroachment by plant or materials.

Inside the Protective Area

No ground disturbance, excavation, level changes, or storage of materials.

No fires, spillage of fuels/chemicals, or discharge of cement washings.

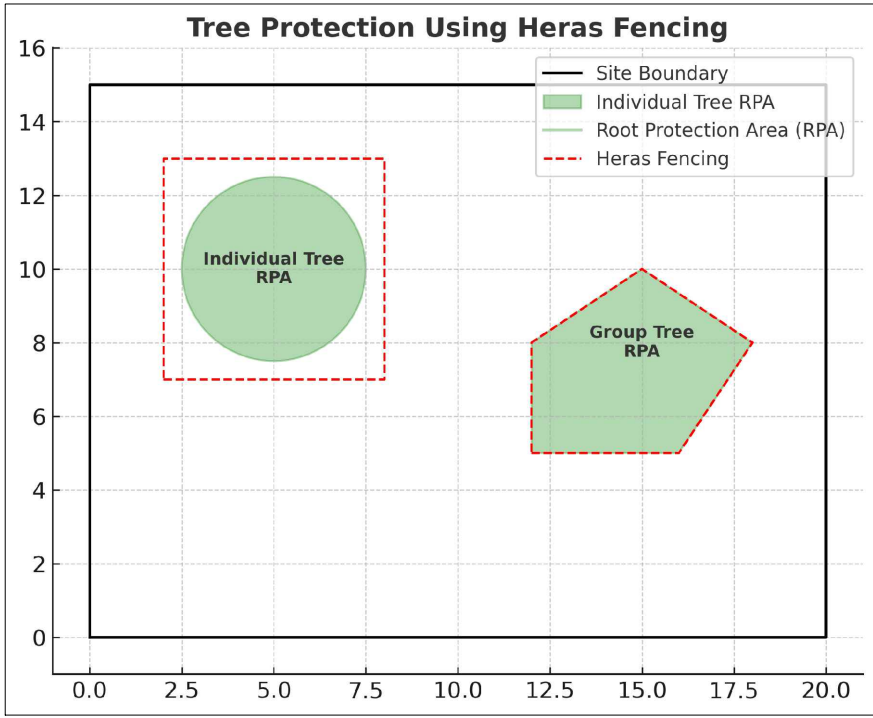
Maintain soil in a soft, permeable, and undisturbed condition.

Signage

Fix weatherproof signs to fencing at regular intervals reading: “Tree Protection Area – Keep Out” in accordance with BS 5837:2012.



Hearace Fencing Tree Protection



Hearace Fencing Individual / Group Tree Protection



Hearace Fencing Group Tree Protection



PROPOSED SITE PLAN

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Any discrepancies discovered or items found that where not visible at the time of the initial survey should be reported to James Campbell Associates Ltd for consultation with our client.

CONSTRUCTION NOTES:-

DRAWING TITLE		
PROPOSED SITE PLAN - TREE PROTECTION		
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PROJECT		
PROPOSED RESIDENTIAL DEVELOPMENT		
LOCATION		
Crimble Hall The Crimble Rochdale		
DRAWN:-	Frank James Smith	DRAWING NUMBER:-
DATE:-	August 2025	24.3309.11
SCALE:-	1:250 @ A0	
ISSUE:-		

Appendix Four

Tree Protection Plan

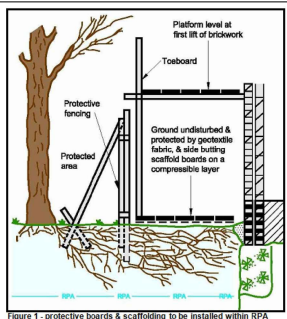
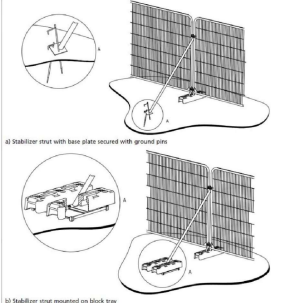


Figure 1 - protective boards & scaffolding to be installed within RPA



Figure 3: Examples of above-ground stabilising systems



Legend

Root Protection Area Modified to Account for Site Features

Category A (High Quality) Category B (Moderate Quality) Category C (Low Quality) Category D (Dead/Dying/In Decline)

NOTE: Tree group numbers marked with 'm' have approximate locations. NOTE: Trees marked with 'f' have approximate measurements as outside site boundary with no access

Tree Protection Fencing

Ground Protection

Client: IQ Projects

Project: Crimble Hall, Crimble Lane, Bamford, Rochdale, OL11 4ND

Title: Tree Protection Plan

Scale: 1:250@A1 Date: May 2022

Drawn By: GDB & AM Revision: A

Job Ref: 2019/19/ROCHDALE/19 Drawing No: 03

Do not scale from this drawing all dimensions to be checked on site.

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Appendix Five
Tree Protective Measures/Method Statement

SEQUENCE OF OPERATIONS

From commencement of the above development, the following methodology shall be implemented in the manner and sequence described:

1. Tree surgery works
2. Erect temporary protective fencing
3. Site demolition phase
4. Main construction phase
5. Removal of temporary fencing
6. Landscaping within RPA's
7. Arboricultural site supervision

1. Tree Surgery Works

1. Before the erection of the temporary protective fencing, all hedge removal shall be implemented in accordance with the Tree Survey Schedule at **Appendix 1**
2. All possible efforts must be made to prevent damage to retained trees including potential root incursion or compaction caused by vehicle access.
3. All arboricultural works shall conform to the recommendations of BS 3998 (2010) 'Recommendations for Tree Work'
4. All operatives shall be equipped with and use personal protective equipment (PPE) in accordance with current Health & Safety Executive current directives and industry codes of practice.
5. Performance of all arboricultural operations and use of equipment shall be in accordance with current Health & Safety Executive current directives and industry codes of practice

2. Erect Temporary Tree Protective Fencing

1. Prior to commencement of any site demolition and subsequent construction, preparation, excavation, or material deliveries the main contractor shall erect the temporary protective fencing as detailed in the 'Tree Protection Specification' and in the location indicated on the Tree Protection Plan.

3. Demolition Phase

The following procedures will be followed during all demolition works:

1. Tree protective fencing to be erected to the full extent of the RPA of all adjacent trees prior to any demolition plant or materials entering the site
2. All plant and vehicles engaged in demolition works shall operate from a position outside the RPA of any tree
3. If there is a significant build-up of dust on the foliage of retained trees, they will be hosed down to clear all build up
4. There shall be no storage of material, site parking, site accommodation or equipment in any area designated as the RPA and Construction Exclusion Zone (CEZ) and enclosed by Temporary Protective Fencing
5. 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 the trunk of a tree that is to be retained. No fires will be lit
6. The site agent shall supervise deliveries by self-loading crane with vehicles positioned in such a manner that retained trees are not at risk of damage

4. Main Construction Phase

7. Tree protective fencing to be erected prior to any construction plant or materials entering the site
8. Tree protective barriers in accordance with BS 5837: 2012 will be erected to prevent damage to the tree stems and any movement of plant with the RPA
9. There shall be no storage of construction material, site parking, site accommodation or equipment in any area designated as the Root Protection Area (RPA) and Construction Exclusion Zone (CEZ) and enclosed by Temporary Protective Fencing
10. 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 the trunk of a tree that is to be retained. No fires will be lit
11. The site agent shall supervise deliveries by self-loading crane, with vehicles positioned in such a manner that retained trees are not at risk of damage

Cement Mixing

- The cement mixer will be laid on top of plywood boards in a position outside the RPA of any trees. The mixer will be kept in this position throughout all development work.

Avoiding Damage to Stems and Branches

- Care shall be taken when planning site operations in proximity to trees to ensure that wide or tall loads or plant with booms, jibs and counterweights can operate without coming into contact with retained trees. Such contact can result in serious injury resulting in safe retention impossible

On Site Storage of Spoil and Building Materials

- Prior to and during all site construction works no spoil will be stored and no cement mixing will take place within the Root Protection Area of any tree on or adjacent to the site even if proposed site work is to be within the crown spread. Any encroachment within this protected area will only be with the prior agreement of the LPA Arboricultural Officer

5. Remove all Temporary Tree Protective Fencing

1. Tree Protective fencing will only be removed upon completion of all construction work and once all machinery associated with the works has left site.

6. Landscaping within RPA of Trees

1. There shall be **no rotovating** of ground within any area designated as a Root Protection Area (RPA) and Construction Exclusion Zone (CEZ) and enclosed by Temporary Protective Fencing.
2. No hard-landscaping works or excavation for cables or any other service should be installed within the Root Protection Area (RPA) and Construction Exclusion Zone (CEZ) without the written consent of the LPA

7. ARBORICULTURAL SITE SUPERVISION

- 1 The erection of all tree protection measures outlined in this AMS and as indicated on the Tree Protection Plan will be inspected by the contract Arboricultural Consultant immediately after erection. Photographic evidence of the location and specification of all protective fencing will be forwarded to the LPA Tree Officer upon completion.
- 2 Any proposed work within any designated RPA will be overseen by contract Arboricultural Consultant with photographic records taken and signed inspection report emailed direct to the LPA for approval

Contacts

Arboricultural Consultant

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TREE PROTECTIVE FENCING

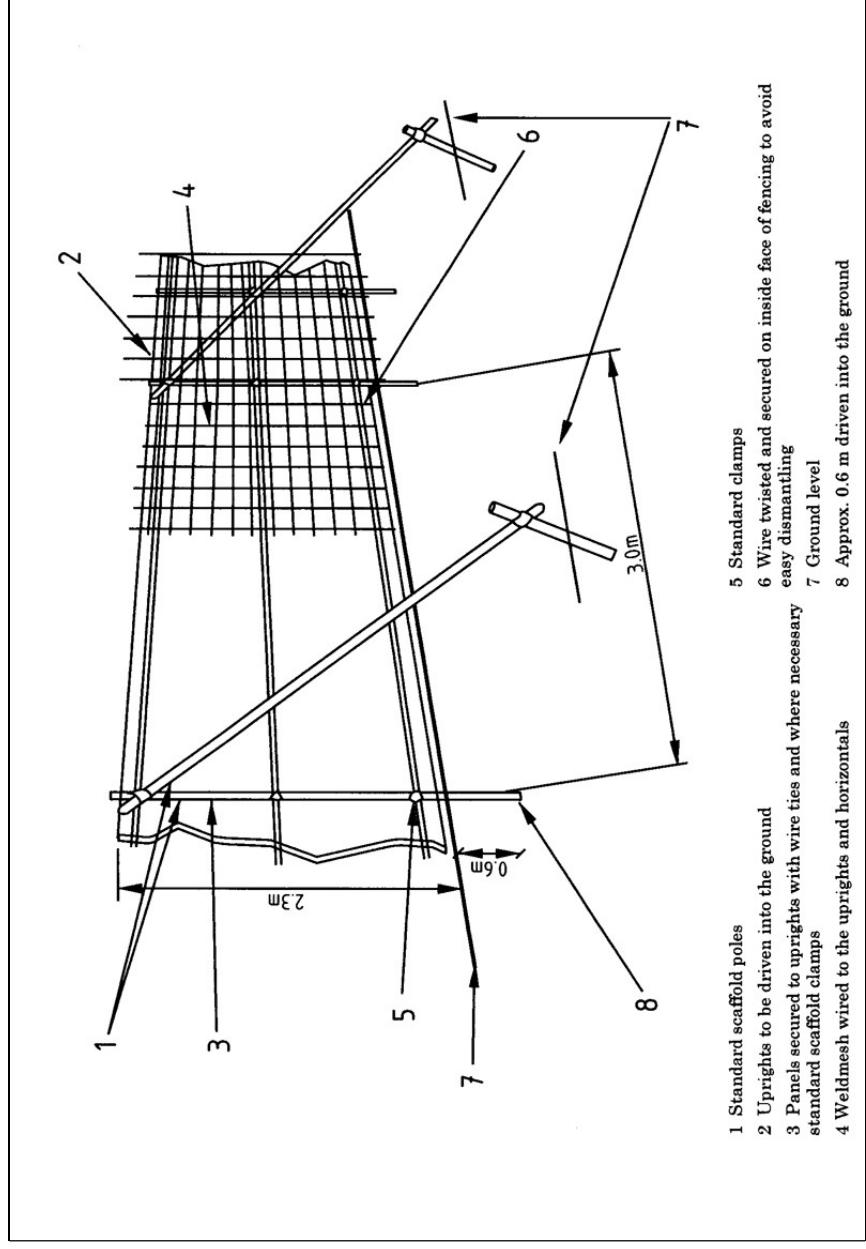
- 1 Before the commencement of any site excavations and subsequent construction works (other than those set out in the schedule of tree works contained in this document), protective fencing will be erected as detailed on the Tree Protection Plan and as specified below. The LPA Tree Officer will be given 5 days' notice upon completion of the fencing in order to inspect and approve prior to the commencement of any site works.
- 2 The fencing will consist of a scaffold framework in accordance with Figure 2 of BS 5837 – 2012 (illustration below) comprising a metal framework, both vertical and horizontal, well braced to resist impacts. Vertical tubes will be spaced at a maximum interval of 3m. Onto this, weldmesh panels shall be securely fixed with wire or scaffold clamps. Weldmesh panels on rubber or concrete feet are not considered resistant to impact and for this reason will not be used. The site manager or other suitably qualified appointed person will be responsible for inspecting the protective fencing on a daily basis; any damage to the fencing or breaches of the fenced area will be rectified immediately.
- 3 Clearly legible weatherproof signage, stating "Protected Trees – Exclusion Zone" shall be attached to the fencing 1.5m from the ground, facing out of the Tree Protection Zone located at regular intervals along the fence line.
- 4 The fencing will remain in place until completion of all site works and then only removed when all site traffic is removed from site
- 5 Other than works detailed within this method statement or approved in writing by the Local Planning Authority (LPA), no works including storage or dumping of materials shall take place within the exclusion zones defined by the protective fencing.

Protective Fencing Detail

The fence types are shown on the Tree Protection Plan with the following colour key: -

1. **Magenta** (Trees)

2.0M high heavy-duty Heras panels (with extra central support bar) mounted on scaffold poles (driven into the ground) and secured with anti-tamper bolts – as illustrated below.



Tree Protective Fencing Specification