

Arboricultural Method Statement

Land east of Fontwell Avenue,
Fontwell BN18 0SB

Prepared by

Jonathan Podwell Cert Arb L4(ABC): TechArborA

July 2021



ARBORICULTURAL METHOD STATEMENT

This amended arboricultural method statement includes the following plans:

Appendix 1 (tree protection plan 3)	1:750@A3	Tree protection plan showing position of: • protective barriers. • trees to be retained with a continuous outline. • trees to be removed with a broken outline.
--	-----------------	---

1.0 TREE FELLING AND PRUNING

- 1.1 Removal of the Category C trees (**T1,T2,T4,T5 & T6**) along with unrecorded small trees and woody vegetation at the base of the English oak (**T3**) should be undertaken before the protective barriers are erected. Access within the crown spread of the group of trees should be limited to operatives only, vehicles and plant must not be allowed closer than 15m from the centre of the group.
- 1.2 Minor pruning to shorten the very tips of lateral growth in the south-west sector of the crown of the English oak (**T9**) should be undertaken by suitably qualified and insured contractors and undertaken with reference to current industry guidelines detailed in: *BS 3998:2010 British Standards Tree work – Recommendations*.
- 1.3 Pruning will be limited to the removal of small-diameter secondary and tertiary branches and branch tips to provide clearance of 1m to 1.5m between the edge of the canopy and **Unit B** while maintaining a live, healthy and viable crown.

2.0 PROTECTIVE BARRIERS AND CONSTRUCTION EXCLUSION ZONE.

- 2.1 Prior to the commencement of construction work and before any machinery or materials are brought onto the site, protective barriers, marked as a light purple dotted line on the tree protection plan (**Appendix 1**), must be erected, around the Root Protection Area (RPA) to create a construction exclusion zone beyond the working area.
- 2.2 The construction exclusion zone, shown as light green horizontal hatching on the tree protection plan, will be afforded protection at all times during the development process; strictly no access, construction activities, mixing materials or storage will be allowed.

- 2.3 The barriers will have weather proof signs attached stating that it is protecting a **construction exclusion zone** and that **no works are permitted** beyond the barrier; the protective barrier should remain in place for the duration of the development process.
- 2.4 The protective barriers should be positioned in accordance with the tree protection plan ([Appendix 1](#)) and should be constructed as per figure 2 of BS 5837:2012 (shown at [Appendix 2](#)) and consist of a vertical and horizontal scaffold framework, well braced to resist impacts. The vertical tubes should be spaced at a maximum interval of 3m and driven securely into the ground. Onto this, weld mesh panels should be fixed with wire or scaffold clamps. Care should be taken when locating the vertical and bracing poles to avoid roots; if the presence of roots precludes the use of driven poles, above ground stabilising using struts mounted on a block tray, constructed as per figure 3 b) of BS 5837:2012 may be used.

3.0 GROUND PROTECTION

- 3.1 Ground protection should be positioned to protect the vulnerable RPA before site work commences. The type of ground protection will reflect the level of site activity - ranging from scaffold planks or sterling board placed on a compressible layer of 100mm depth of woodchips over a geotextile membrane suitable for protection of lightweight or infrequent pedestrian activity, up to the installation of proprietary ground protection sheets or heavy-duty access mats, i.e. Euro Trak.
- 3.2 In this case, with unsurfaced ground between **T3** and the north elevation of **Unit B**, the protective barrier should be set back to the position identified at [Appendix 1](#) and proprietary heavy duty access mats placed between the barrier and the working area to provide an adequate level of protection for both pedestrian and plant activity.

4.0 FOUNDATION CONSTRUCTION

- 4.1 Foundation depth should be determined by the architect or a structural engineer and with reference to NHBC Chapter 4.2 – Building near trees.
- 4.2 The location of two of the 28 foundation pads - support for the framework of **Unit B** - are located within the RPA of the English oak (**T3**). Hand excavation or compressed air soil displacement, under arboricultural supervision, to a depth of at least 600mm will identify the

optimum locations and ensure that there is no damage to roots. If roots are encountered during excavation -

- ❖ Careful use of hand tools will avoid bark damage of retained roots at the edge of the foundation if present;
- ❖ exposed roots or fibrous root masses that are to be retained should be immediately covered – with hessian or similar - to prevent drying;
- ❖ individual roots less than 25mm diameter that need to be removed should be cleanly severed, with secateurs or a pruning saw, far enough back from the edge of the foundation (>100mm) that the effects of uncured cement do not impact tree health;
- ❖ the project arboriculturalist will determine whether it is possible to sever roots greater than 25mm diameter or whether the pad should be repositioned;
- ❖ use of impermeable membranes to line the excavations before the concrete is poured will help prevent damage by the alkaline properties of cement.

5.0 INFRASTRUCTURE REQUIREMENTS

- 5.1 Undisclosed siting of service runs, above ground services, CCTV cameras, electrical sub-stations, refuse stores, lighting and other infrastructure requirements can lead to unnecessary tree pruning or root loss during or post development. Should any infrastructure requirements become necessary post planning their design should be discussed with the project arboriculturalist and, if necessary, the permission of the local planning authority obtained.

6.0 ADDITIONAL PRECAUTIONS

- 6.1 No storage or mixing of materials to take place within the construction exclusion zone or in the ground protected RPA.
- 6.2 No storage or mixing of materials will take place in any location where they may leak into the construction exclusion zone or RPA.
- 6.3 Materials which may contaminate the soil will not be discharged within 10m of the tree stems or mixed in any location where gradients allow contaminants to run towards RPAs.

7.0 SUPERVISION AND MONITORING

- 7.1 It will be the responsibility of the main contractor to ensure that any conditions attached to the planning consent are adhered to at all times and that a monitoring regime with regard to tree protection on site is adopted.

- 7.2 An arboriculturalist should be appointed to monitor tree protection measures and address any arboricultural issues that may arise.
- 7.3 The project arboriculturalist should mark the positions of the protective barriers and inspect them once erected and prior to site work commencing.
- 7.4 In addition to the scheduled supervision regular site visits to inspect the protective barriers may be required. Frequency of the visits is dependent on the progress of the development but should take place every two to four weeks of continuous site activity.
- 7.5 A copy of a site visit and arboricultural supervision record is shown at **Appendix 3**
- 7.6 A copy of an arboricultural monitoring record is shown at **Appendix 4**.
- 7.7 The main contractor will be responsible for ensuring subcontractors comply with the arboricultural method statement and do not undertake any operation that is likely to impact adversely upon any tree on site.
- 7.8 The main contractor will ensure that the build sequence is appropriate to ensure that no damage occurs to the trees during the development process.

8.0 SEQUENCE OF EVENTS

- 8.1 Sequence of tree protection measures in relation to phases of development.

Site meeting	Project arboriculturalist to discuss tree protection measures with architect/developer and local authority arboricultural officer.
Protective barriers	Installation of protective barriers prior to construction.
Arboricultural supervision	Arboricultural supervision of hand excavation for foundations within RPA of T3.
Monitoring	Arboricultural monitoring every two to four weeks of continuous site activity.
Protective barriers	Removal of protective barriers on completion of development proposal.

- 8.2 Should circumstances arise where unscheduled work may impact upon trees or tree protection the work should cease until the project arboriculturalist has been consulted and the local planning authority arboricultural officer informed.

Beechdown Arboriculture Limited

Club Cottage, Slindon, Arundel, W. Sussex BN18 0RP
Tel - 01243 814740 Email - jonathan.rodwell@beechdown.com

Fontwell
Appendix 1 - tree protection plan (3)

SCALE :
1 : 750

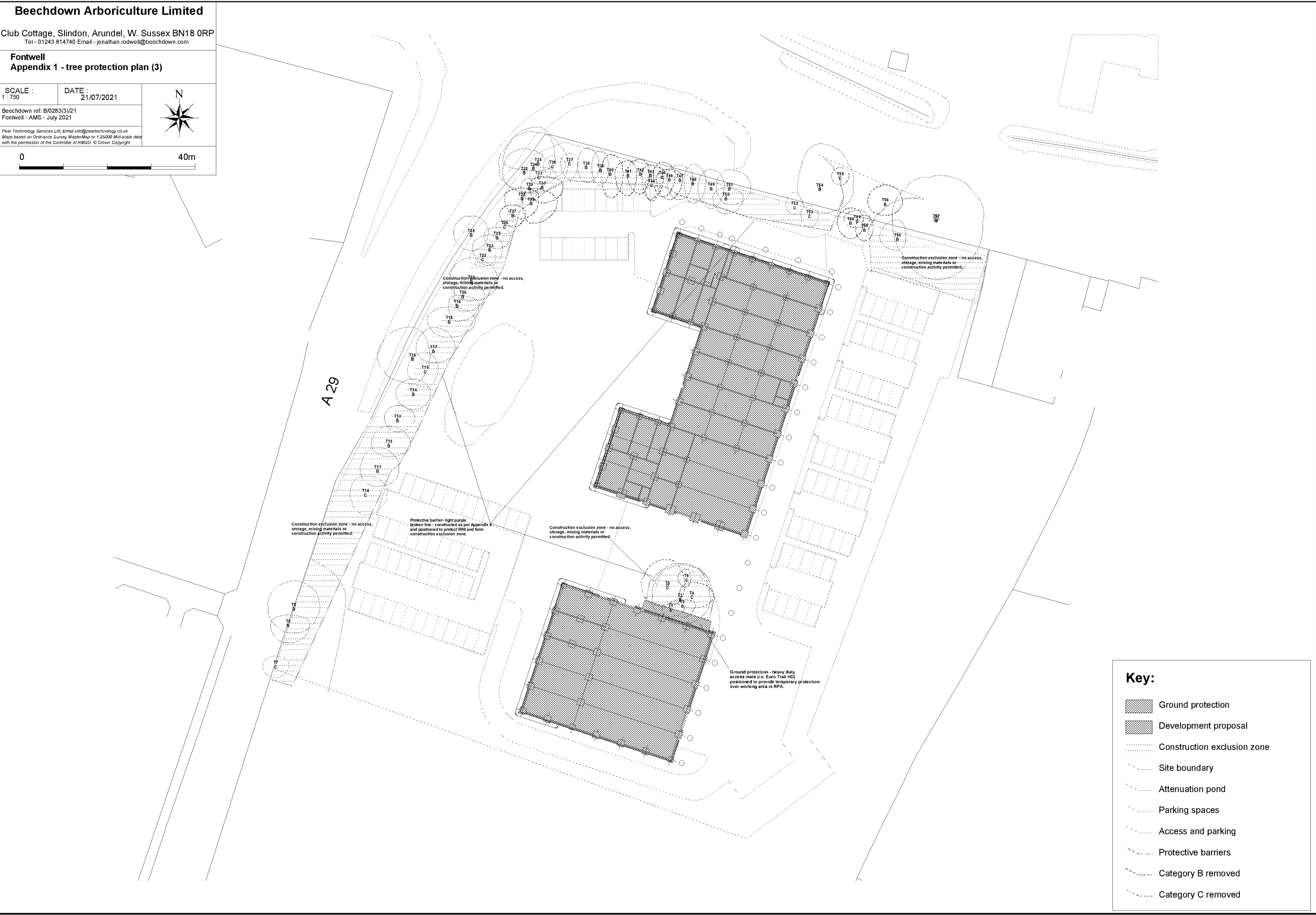
DATE :
21/07/2021

Beechdown ref: B/0283(3)/21
Fontwell - AMS - July 2021

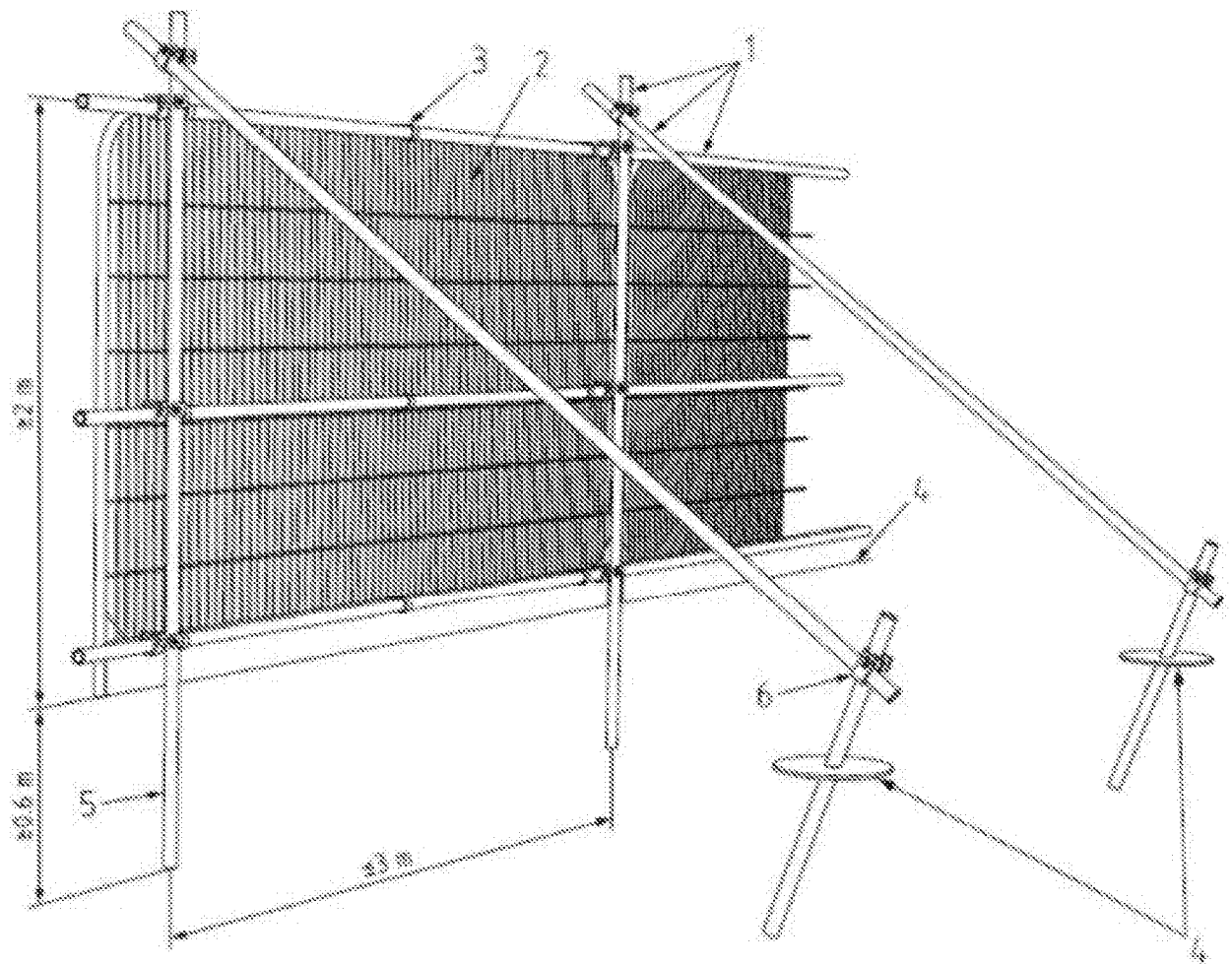
Pear Technology Services Ltd, Email info@peartechnology.co.uk
Maps based on Ordnance Survey MasterMap or 1:25000 Mid-scale data
with the permission of the Controller of HMSO. © Crown Copyright



0 40m



Appendix 2 – Protective Barrier

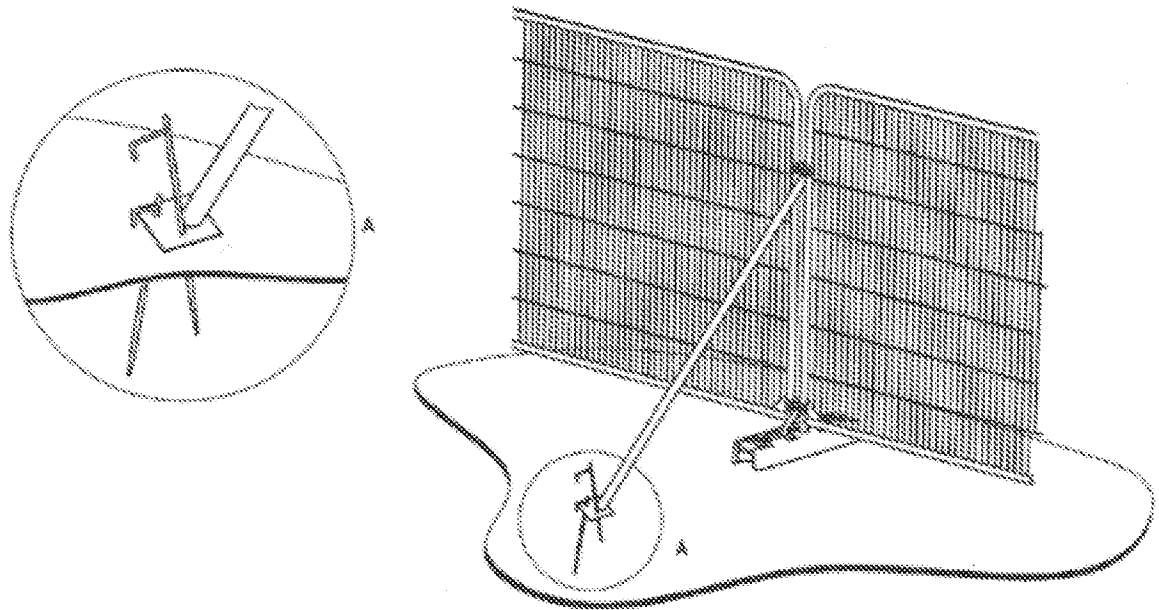


Key

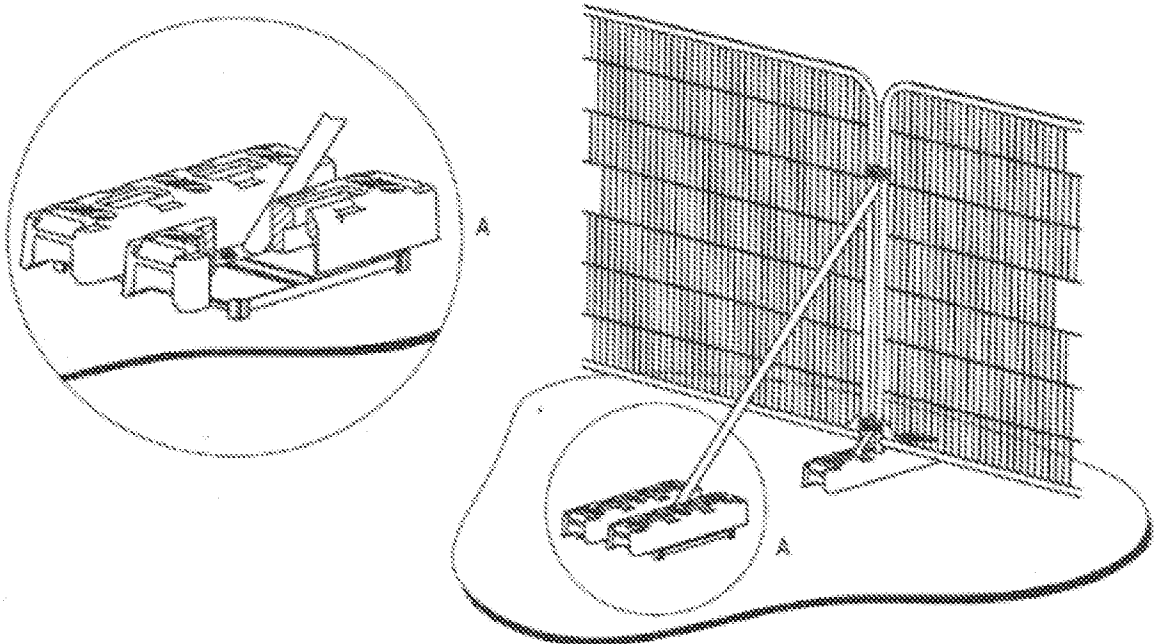
- 1 Standard scaffold poles
- 2 Heavy gauge 2 m tall galvanized tube and welded mesh infill panels
- 3 Panels secured to uprights and cross-members with wire ties
- 4 Ground level
- 5 Uprights driven into the ground until secure (minimum depth 0.6 m)
- 6 Standard scaffold clamps

Default specification for protective barrier as per Figure 2 of BS 5837:2012 *Trees in relation to demolition and construction – Recommendations, Fourth (Present) Edition*. BSI

Appendix 2 – Protective Barrier



a) Stabilizer strut with base plate secured with ground pins



b) Stabilizer strut mounted on block tray

Examples of above-ground stabilising systems as per Figure 3 of BS 5837:2012 *Trees in relation to demolition and construction – Recommendations, Fourth (Present) Edition*. BSI

Appendix 3 – Record of Site Visits and Arboricultural Supervision

Client			Location	
	Global Technologies Racing Ltd			Land to the east of Fontwell Avenue, Fontwell BN18 0SB
Local planning authority	Arun District Council			
Planning application	BN/57/19/RES			
Development	Construction of 2274sqm of light industrial floorspace and associated infrastructure and landscaping.			

Stage of development	Action required
Pre-construction	Mark position of protective barrier forming construction exclusion zone.

Notes		
Arboriculturalist		
Signed		
Date		

NOTE - COPY OF COMPLETED FORM TO BE SCANNED AND SENT TO LPA ARBORICULTURAL OFFICER

Appendix 3 - Record of Site Visits and Arboricultural Supervision

Client	Global Technologies Racing Ltd	Location	Land to the east of Fontwell Avenue, Fontwell BN18 0SB
Local planning authority	Arun District Council		
Planning application	BN/57/19/RES		
Development	Construction of 2274sqm of light industrial floorspace and associated infrastructure and landscaping.		

Stage of development	Action required
Pre-construction	Site visit to check position of protective barrier prior to construction activity.

Notes			
Arboriculturalist			
Signed			
Date			

NOTE - COPY OF COMPLETED FORM TO BE SCANNED AND SENT TO LPA ARBORICULTURAL OFFICER

Appendix 3 - Record of Site Visits and Arboricultural Supervision

Client			Location		
	Global Technologies Racing Ltd			Land to the east of Fontwell Avenue, Fontwell BN18 0SB	
Local planning authority	Arun District Council				
Planning application	BN/57/19/RES				
Development	Construction of 2274sqm of light industrial floorspace and associated infrastructure and landscaping.				

Stage of development	Action required
Construction	Supervision of hand excavation for foundations adjacent to RPA of T3.

Notes					
Arboriculturalist					
Signed					
Date					

NOTE - COPY OF COMPLETED FORM TO BE SCANNED AND SENT TO LPA ARBOR/CULTURAL OFFICER

Appendix 4 - Arboricultural Monitoring Form

Client	Global Technologies Racing Ltd	Location	Land to the east of Fontwell Avenue, Fontwell BN18 0SB
Local planning authority	Arun District Council		
Planning application	BN/57/19/RES		
Development	Construction of 2274sqm of light industrial floorspace and associated infrastructure and landscaping.		

Area inspected	Comments	Action required
Protective barriers		
Construction exclusion zone		
Site storage/material mixing		
Other		
Additional Comments		
Arboriculturalist		
Signed		
Date		

NOTE - COPY OF COMPLETED FORM TO BE SCANNED AND SENT TO LPA ARBORICULTURAL OFFICER

Beechdown ref: B/0283(3)/21
Fontwell – AMS – July 2021