

Arboricultural Method Statement

Caffyns Volvo Site
Roundstone Lane
Angmering
West Sussex

8th December 2021



PJC ref: 5966/21-03 Rev –

This report has been prepared by

PJC Consultancy Ltd

on behalf of

Caffyns Volvo

**Prepared
by**

Nick Betts HND For M.Arbor.A

Nick has attained an HND in forestry management and is a professional member of the Arboricultural Association. He has worked in the arboricultural and forestry industries for over 20 years. He started his career as a forestry worker before qualifying as a tree surgeon, working in both the private and commercial sectors. He has been a practising consultant since 2004. He is a Lantra accredited professional tree inspector.

**Checked
by**

Peter Davies FdSc Arboriculture M.Arbor.A

Peter has a Foundation Degree in Arboriculture from the University of Brighton and is a professional member of the Arboricultural Association. He has over ten years experience in the arboricultural industry, originally working as a groundsman and feller, and progressing into consultancy. He is a Lantra accredited professional tree inspector.

Sussex office:

Rocks Yard, Victoria Road,
Herstmonceux, Hailsham,
East Sussex, BN27 4TQ

Kent office:

Unit 1, Hanover Mill,
Mersham, Ashford,
Kent, TN25 6NU



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1 INTRODUCTION

1.1 This method statement is written in conjunction with arboricultural survey ref. PJC/5966/21-01 and arboricultural impact assessment ref. PJC/5966/21-02.

1.2 **Instruction:** PJC Consultancy has been instructed by Caffyns Volvo to provide an arboricultural method statement in accordance with BS5837: 2012 '*Trees in relation to design, demolition and construction – Recommendations*', for proposed construction works at Roundstone Lane, Angmering, West Sussex.

1.3 **Objective of this report:** In order to safeguard retained trees on site during development works it is necessary to implement a tree protection strategy. The objective of the following arboricultural method statement is to provide protection methodology for retained trees throughout the construction period, including the above ground and below ground parts of the trees as well as their rooting medium. This report is concerned with the protection of all retained trees at the site including trees around the curtilage with the potential to be impacted by the construction works.

1.4 **Limitations of report:** This document is based on the plans and information made available to the author on the date of the report.

1.5 **Contents of report:** This report includes the following:

- Arboricultural Method Statement
- Tree Protection Plan

2 ARBORICULTURAL METHOD STATEMENT

2.1 General requirements: The arboricultural method statement and Tree Protection Plan shall remain on site for the duration of construction and landscaping works and be available to site operatives at all times. All operatives at the site shall be briefed about tree related factors as part of their site induction.

2.2 Any variation from the methodology described in this method statement shall be discussed with the supervising arboriculturalist and agreed with the local authority arboricultural officer.

2.3 Phasing of works: To ensure trees are protected throughout the development, the proposed development shall occur in the following order:

Table 1: Phasing of works

Works Order	Operation	Notes
1	Initial tree works.	The tree works contractor shall undertake the tree removals specified in the arboricultural impact assessment. Completion of these works will be required to enable the installation of tree protection barriers.
2	Installation of tree protection barriers.	The tree protection fencing shall be installed in the locations shown on the Tree Protection Plan and to the specification described in this method statement.
3	Construction phase.	The tree protection barriers shall be maintained and the construction exclusion zones observed throughout the construction phase.
4	Soft landscaping phase.	The tree protection barriers shall be dismantled when external construction and hard landscape operations have been completed and plant machinery or excess construction materials have been removed from site. Soft landscape operations shall occur sensitively as described in this method statement.

2.4 Initial tree works: The tree removals described in the arboricultural impact assessment shall be carried out as the first stage of development. Any requirements for access facilitation pruning which have not been anticipated on the date of this report shall be discussed at the pre-commencement meeting with the project arboriculturalist and communicated to the local authority arboricultural officer.

2.5 Tree stumps and vegetation located within the root protection areas of retained trees shall be cleared with controlled hand tools (e.g. stump grinder/brush cutter). Plant machinery shall not be used to scrape vegetation or 'grub out' stumps within root protection areas or access the site until the tree protection barriers have been installed.

2.6 If bonfires are lit to dispose of arising's from the vegetation or tree clearance works, an assessment of wind direction and strength shall be made to ensure flames cannot extend within 5m of any part of a retained tree. No bonfires shall be lit within a root protection area.

2.7 Trees should be checked for protected species before works are undertaken. It is against the law to disturb bats or their roosts under the Conservation of Habitat and Species Regulations. Nesting birds are protected by the Wildlife and Countryside Act. If protected species are discovered, Natural England should be contacted for advice.

2.8 The tree works contractors should carry out all tree works to BS3998: 2010 '*Tree works – recommendations*' as modified by research that is more recent. They should also carry relevant, adequate and up to date insurance.

2.9 It is suggested that an Arboricultural Association approved contractor carry out all tree works. Approved contractors are expected to work to industry best standards. The Arboricultural Association website (www.trees.org.uk) contains contact details and information on engaging a suitable contractor.

2.10 **Tree protection barriers:** The root protection areas of retained trees must be left free from disturbance, and protected from contamination or compaction during the proposed works.

2.11 Tree protection fencing shall be installed in the locations shown on the Tree Protection Plan. The specification for tree protection fencing shall be metal welded mesh panels (e.g. Heras panels), in concrete or rubber feet. The panels shall be supported by metal stabiliser struts mounted on either a base plate secured by ground pins, or in a block tray (refer to Appendix 2). Any variation from this specification for tree protection fencing shall be discussed with the project arboriculturalist and agreed in writing with the local authority arboricultural officer.

2.12 Signs shall be affixed to the fencing as shown in Appendix 3 to explain its purpose. The signs shall be affixed at a reasonable size and frequency to ensure they are easily visible to operatives at the site.

2.13 The tree protection barriers shall be installed following the initial tree works, prior to construction traffic entering the site. They shall remain in place for the duration of construction and hard landscaping works unless otherwise stated in this report or agreed with the project arboriculturalist.

2.14 The areas protected by tree protection fencing (highlighted yellow on the Tree Protection Plan) or temporary ground protection shall be referred to as the construction exclusion zones. The following restrictions shall apply within the construction exclusion zones:

- No vehicular access shall be permitted.
- Regular pedestrian access shall be restricted unless on suitable ground protection measures agreed with the project arboriculturalist.
- No storage of construction materials shall occur.
- No storage of building spoil or construction debris (including short-term temporary storage) shall occur.

- No harmful chemicals shall be stored or handled.
- No fires shall be permitted.
- No mechanical excavation including regrading of levels shall occur.
- There shall be no change in ground level unless undertaken under the supervision of the project arboriculturalist.
- No construction activities including installation of new permanent hard standing shall be undertaken unless otherwise specified in this method statement.

2.15 Storage and handling of harmful chemicals: Provision must be taken to prevent the storage and handling of harmful chemicals within the root protection areas of retained trees. Harmful chemicals include fuels, oils, bitumen, builder's sand (which has a high salt content) and cement. Provision shall also be made to prevent the storage and handling of harmful chemicals in areas proposed for further planting if the existing soil is intended to be retained.

2.16 Cement mixing shall always occur outside the construction exclusion zones. If cement mixing is to occur close to the construction exclusion zones, or there is the potential for cement washings to leech into a root protection area, adequate, bunded ground protection measures must be used. This could comprise impermeable plastic sheeting under wooden boards (to prevent tears) surrounded by a raised lip.

2.17 All other chemicals that are harmful to trees must be stowed in suitable containers and stored away from the construction exclusion zones unless adequate, bunded ground protection measures are implemented to prevent spillages leeching into root protection areas.

2.18 Contractor facilities: A suitable location for site cabins, contractor parking and site facilities for operatives shall be agreed with the project arboriculturalist during the pre-commencement meeting if not already specified in a construction management plan. These facilities must be located outside the root protection areas of all retained trees unless on adequate ground protection measures that have been agreed with the project arboriculturalist (potentially including existing hard standing). Provision must be taken to prevent exhaust fumes or hot air from generators or kitchen facilities from damaging foliage within the crowns of retained trees.

2.19 Construction of retaining wall within the RPA of T8: The new pre cast concrete retaining wall encroaches the root protection area of T8 in the area highlighted on the Tree Protection Plan. Roots revealed shall be cleanly pruned using secateurs to leave the smallest feasible wound. Small clean pruning wounds require less energy from the tree to heal and reduce the chance of infection by tree pathogens. All excavation will be undertaken from base of the bank with the machine not tracking on the bank surface.

2.20 Services: When details of the routing of services become available, prior to commencement of construction works, they shall be reviewed by the project arboriculturalist. The arboriculturalist shall then confirm to the local authority arboricultural officer either that no works will be carried out within root protection areas, or provide details of the methodology required to ensure the works are carried out in accordance with NJUG10 '*Guidelines for the planning, installation and maintenance of utilities in proximity to trees*' and BS5837: 2012.

2.21 If significant root growth is disturbed during construction activities that are not within the scope of this report, the work shall cease until the project arboriculturalist has been consulted. Roots greater than 25mm in diameter or dense/matted fibrous roots shall be considered significant root growth. It should be remembered that whilst root protection areas are part of industry best practice, tree root growth is influenced by a number of factors and may not conform to expected ideals.

2.22 If at anytime during the construction process, damage is inadvertently caused to a tree, the project arboriculturalist shall be notified to assess the likely implications and to prescribe potential remedial measures to be implemented. Damage can be in the form of chemical or fuel spillage, mechanical damage to either the above ground parts of the tree or the roots, fire or any other unforeseen circumstance.

Contact details

Sussex office:

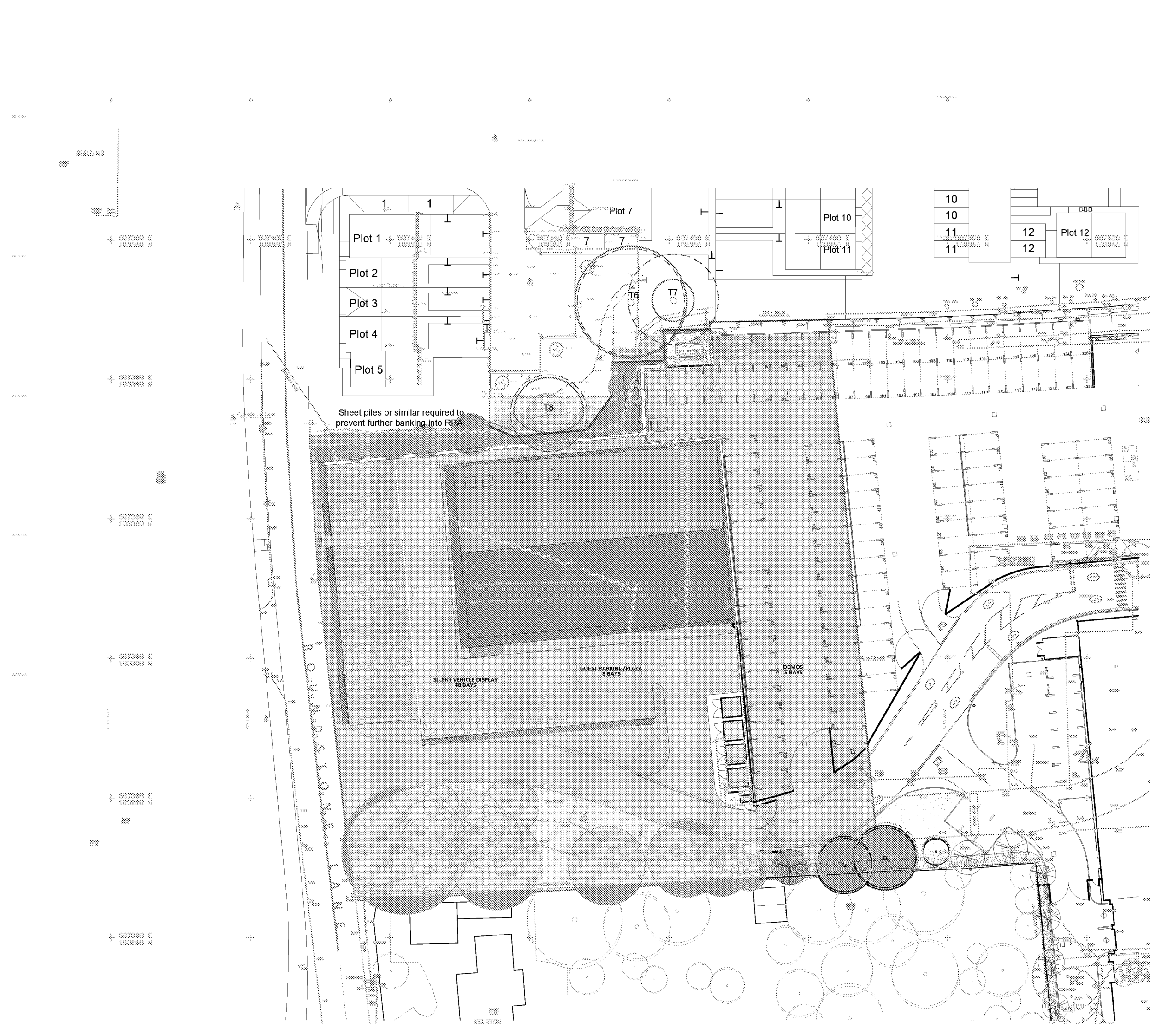
Rocks Yard
Victoria Road
Herstmonceux
Hailsham
East Sussex
BN27 4TQ

Author: Nick Betts

Date: 8th December 2021

APPENDIX 1

Tree Protection Plan

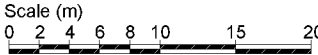


- Key:**
- Root protection area for tree to be retained
 - Canopy of tree to be retained
 - Tree protection fencing
 - Construction exclusion zone
 - Excavation required within root protection area

Appendix 2, (Tree Survey Schedule) contained within the arboricultural report ref. PJC/5966/21-01 contains further information for each tree.

This drawing should be viewed in colour.

Tree numbers suffixed with PA indicate the tree position is approximate.



Drawing no: PJC/5966/21/C Rev: - Sheet number: 1 of 1

Client and site:
Caffyns Volvo

Land at Roundstone Lane
Angmering
West Sussex

Drawing title: Tree Protection Plan

Date drawn: 09/12/2021

Scale: 1:500 at A3

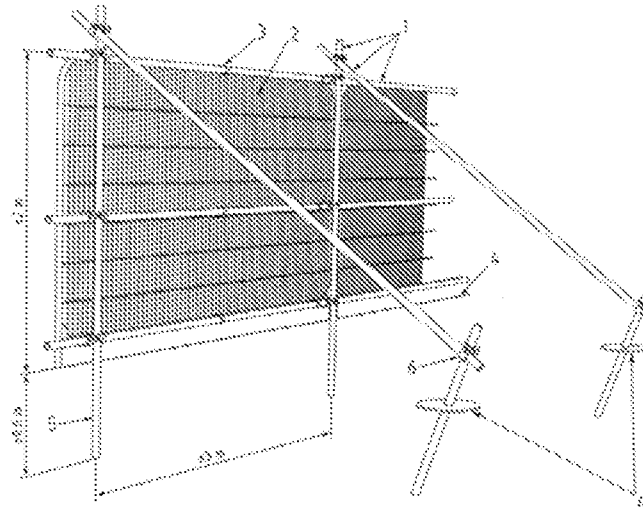
Drawn by: NB Checked by: PD



PJC Consultancy
Rocks Yard, Victoria Road, Herstmonreux,
Hailsham, East Sussex, BN27 4TQ.
01323 832120
contact@pjconsultancy.com
www.pjconsultancy.com

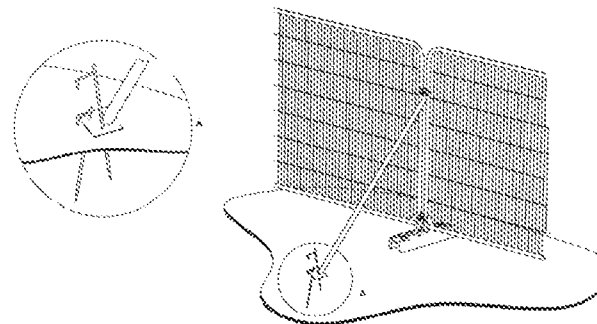
APPENDIX 2

Tree Protection Fencing Specification

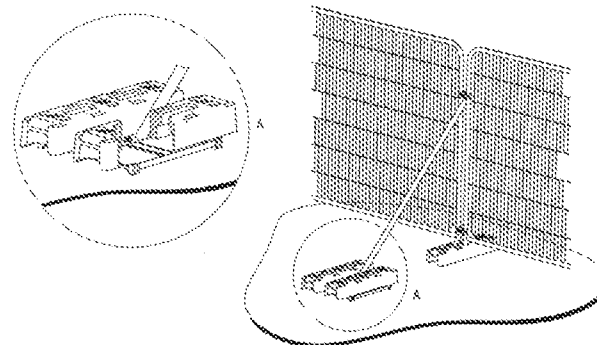


Key

- 1 Standard scaffold poles
- 2 Heavy gauge 2m tall galvanised tube and welded mesh infill panels
- 3 Panels secured to uprights and crossmembers with wire ties
- 4 Ground level
- 5 Uprights driven into the ground until secure (minimum depth 600mm)
- 6 Standard scaffold clamps



a) Stabilizer strut with base plate secured with ground pins



b) Stabilizer strut mounted on block tray

APPENDIX 3

Example Protective Fencing Sign

