

Figure 1 Fence Specification Soft Ground

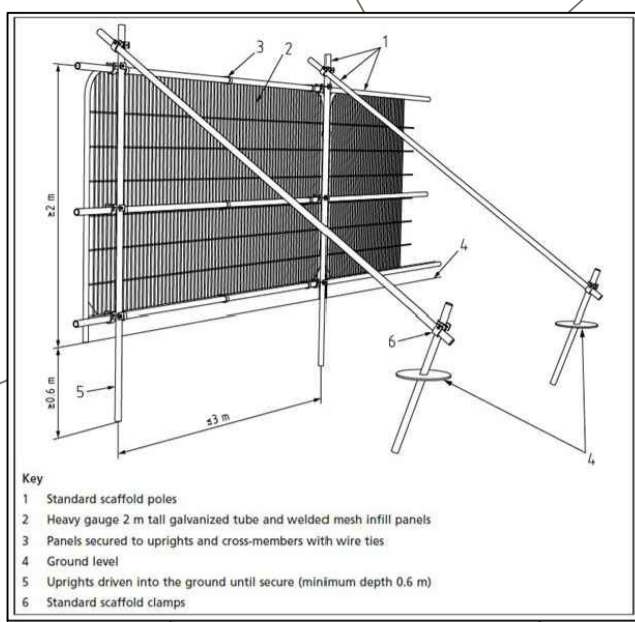
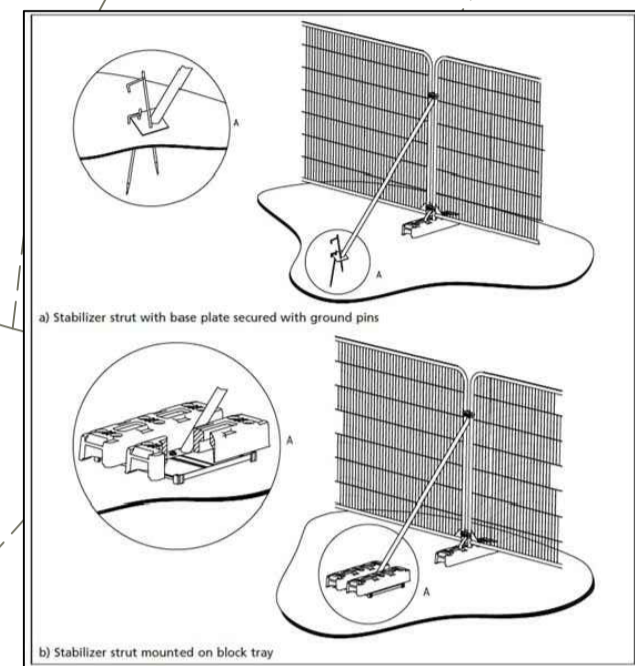


Figure 2 Fence Specification Hard Ground ONLY



1 Construction Exclusion Zone

- 1.1 No works will be undertaken within any Construction Exclusion Zone (CEZ). The CEZs are to be afforded protection at all times and will be protected by fencing. A protective fence shall be erected prior to commencement of any site works e.g., before any materials or machinery are brought on site, demolition or the stripping of soil commences.
- 1.2 The fence shall have signs attached to it stating that this is a Construction Exclusion Zone and that **NO WORKS are Permitted within the fence**, see Figure 4 in Appendix I. The tree protection fencing may only be removed following completion of all construction works.
- 1.3 The fence is required to be sited in accordance with the Tree Protection Plan AC.2023.548 TPP-01 Rev A enclosed with this method statement. All tree protection fencing shall be regarded as sacrosanct and will not be removed or altered without prior written consent of the Local Authority Tree Officer.
- 1.4 They must be constructed as per Figures 1 and 2 in BS 5837 2012 and be fit for excluding any construction activity, (See Appendix I). Any other fence or barrier used must be fit for the purpose.
- 1.5 The fencing unless otherwise agreed with the tree officer shall consist of Heras fencing panels, around 3.5m long and 2m tall. They shall be fixed into the ground on scaffold poles driven at least 0.6 m into the ground. They shall be supported by rear struts also secured to posts driven into the ground, see Figure 1 in Appendix I.
- 1.6 All bolts shall be secured from inside the fencing to prevent easy removal from the outside during the construction phase.
- 1.7 Where there are existing hard surfaces, then rubber feet can be used to support the fencing, but these rubber feet shall be secured into the ground with road pins or other robust metal pins, to prevent the fencing being moved. This stall also be secured by rear struts which are also pinned into the ground, see Figure 2 in Appendix I.
- 1.8 All tree protection fencing shall be regarded as sacrosanct and will not be removed or altered without prior written consent of the Local Authority Tree Officer.

Figure 3 Example of Signage on Fencing



2 Ground Protection Measures

- 2.1 The ground protection measures will be for pedestrian work access only along the southwest side of the proposed extension. This will consist of a single thickness of scaffold boards placed either on top of a driven scaffold frame to form a suspended walkway, or on top of a compression-resistant layer (e.g., 100mm minimum depth of woodchip), laid onto a geotextile membrane.
- 2.2 Alternatively, Ground Guards or a similarly assessed product, as detailed in Appendix III could be used. This is in accordance with BS 5837 (2012) and is to prevent compaction of the underlying soil.
- 2.3 If scaffolding is being installed then a false floor can be created just above ground level. This will act as ground protection preventing the soil underneath from being compacted by site activity, as shown in Figure 3 of Appendix I.

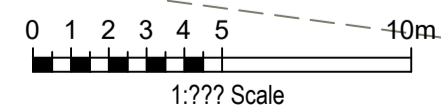
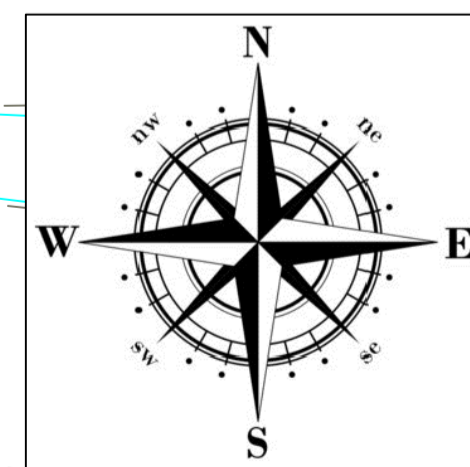
9 Hard Surfaces within the RPA

- 9.1 The new where they extend into the RPA of G01, shall be constructed without soil compaction or soil stripping and laid in accordance with this Method Statement. A product such as Wrekin's Protector Web or Geosynthetics Cellweb or an alternative with evidence of its effectiveness at protection roots, shall be used. It shall be installed in full accordance with the manufacturer's specification.
- 9.2 The construction of the driveway may be undertaken at the start of the project as an access road is built in or at the end of the project following completion of building construction. If it is built at the start, then ground protection measures shall be installed over the area that extends into the RPA of G01 for the duration of the construction works.
- 9.3 The no-dig construction shall be undertaken in accordance with the manufacturer's specification and method statements.
- 9.4 Ground Preparation:
 - All ground vegetation will be killed using a suitable herbicide to the required level, under the supervision of the project arboriculturalist.
 - All dead organic material will be removed.
 - All major protrusions will be removed. Stumps will be ground out.
 - Fill major hollows with no fines 4/20mm clean angular stone.
 - Place Geotextile over the area to be protected ensuring overlaps with a minimum of 300mm.
 - Mark out areas to be protected with edging detail e.g., timber boards.
- 9.5 Installation Process:
 - Lay Protector Web (or equivalent i.e., Cellweb) over entire area of proposed pedestrian path, to extend 100mm beyond path width (see manufacturers specification), and pin with four metal pins along the width of the panel.
 - Expand the panel over the geotextile extending to the required length, then pin across the opposite panel side.
 - Pin along the length of the panel on all sides.
 - If full panels are not being used, then ensure the cells have been expanded to their full dimensions.
 - Staple or cable tie any adjacent panels together.
 - The geocell panels can be cut to shape if required with a heavy-duty Stanley knife.
- 9.6 Filling the Geocell.
 - Use 4/20mm or 40/20mm angular stone depending on the cell depth being used.
 - Fill the cells with clean angular stone.
 - Allow 25mm overfill for any settlement of the stone in the cells.
 - If the area is to be trafficked immediately, slightly increase the amount of surcharge overfill to a maximum 50mm.
 - This will be tipped from one end so that machinery moves on already spread sub-base and not upon the geogrid or ground close to the geogrid.
 - Compact the sub-base using handheld vibrating tamper.
- 9.7 Apply Surface Dressing

There are various surface dressings that can be applied, and the manufactures guidance on how to apply each should be followed from the specification. Surface dressing include:

 - Block paving
 - Porous and standard asphalt
 - Resin Bonded Gravels
 - Loose gravel

DARBY GREEN ROAD

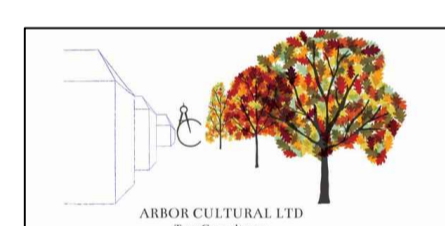


Legend

- CATEGORY A TREE
- CATEGORY B TREE
- CATEGORY C TREE
- CATEGORY U TREE
- ROOT PROTECTION AREA (RPA) Coloured by Tree Category
- MODIFIED ROOT PROTECTION AREA (MRPA)
- CROWN SPREAD
- TREE TO BE REMOVED
- PROTECTIVE FENCING
- TEMPORARY GROUND PROTECTION
- "NO-DIG" CONSTRUCTION
- ◆ NEW TREE
- ▲ SOIL TEST
- SHADE (CURRENT)
- SHADE (FUTURE)
- ➔ LOW BRANCH DIRECTION
- HAND- DIG EXCAVATION
- CONSTRUCTION EXCLUSION ZONE

Notes:

Outline of previously approved application 15/01563/FUL (shown in blue dashed line)



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Client: K and S Construction
Project: Canterbury, Darby Green Road, Blackwater, Surrey, GU17 0DT

Title: TREE CONSTRAINTS PLAN
TREE PROTECTION PLAN

Date: 08/11/23 Scale: 1: 200 Original Paper Size: A1

Drawn: IST Checked: - N/A Job Ref: AC.2023.590

Drawing Number: **TPP-01** Rev: **A**

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