

RURAL ASSOCIATES

Planning, Procurement, Project Co-ordination
Agricultural and Rural
Yapton Lodge North End Road
Yapton Nr Arundel
West Sussex BN18 0DT



GTR New Site Arundel Road Fontwell
Arboricultural Assessment

Beechdown Arboriculture Limited Site Visit

Minutes for site meeting and walk round preliminary assessment on 23rd June 2020

Those present

Jon Carver Rural Associates

Jonathan Rodwel Beechdown Arboriculture Limited (BDA)

1. Detailed site plans were issued to BDA
2. It was noted that only areas with trees are to the west and north of the site
3. A preliminary walk around of the site was undertaken where any trees adjacent to the works were noted. These are mainly in two areas, one to the North West corner of the site where the proposed car-parking is located, the other was North East around the proposed new access.
4. Examination of plan indicating the site boundaries suggested that many of trees were not within the site but could be affected by both GTRs development and possibly the works required by the LPA to the A 27 Fontwell West Roundabout as part of conditions imposed with planning application WA/22/15/OUT
5. The only two trees within the site have TPOs both were examined, one showed signs of lightning damage
6. The visit and meeting concluded with follow:-

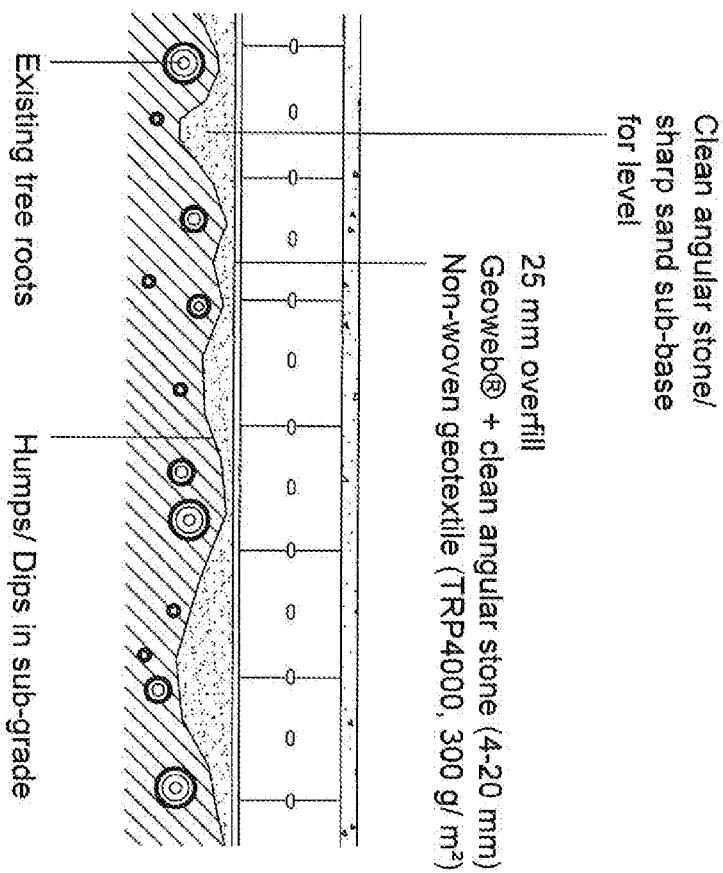
Beechdown Arboriculture Limited will produce a detailed assessment based on the above once ownership of land between Fontwell Avenue and Arundel Road containing any trees that may be impacted by the development is known, together with the scope of works to the roundabout and its impact with "sight lines" with the A29 Fontwell Avenue and Arundel Road Fontwell where trees common to both works are located.

Cont/d

However the large Pine Tree in far north east corner of the site adjacent to proposed new access appears not have a TPO on it, together with being in poor condition also is not within Tree root protection zone so the access should not adversely impact this tree

In order to assist with planning time scales before preparing their full assessment Beechdown Arboriculture Limited will provide details of "NO-DIG" TREE PROTECTION SYSTEMS which may be appropriate for some of car parking and other areas.

NO-DIG TREE PROTECTION SYSTEM



25 mm overfill

Geoweb® + clean angular stone (4-20 mm)
Non-woven geotextile (TRP4000, 300 g/ m²)

Existing tree roots

Humps/ Dips in sub-grade

Adjacent Geoweb® units to be joined with Atra-keys.

EXPLANATION OF USE

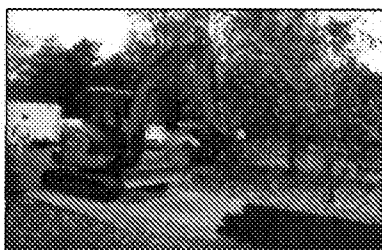
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Geoweb Tree Root Protection Installation Guide

Installation Recommendation

1. **Preparation of the subgrade ready for Geoweb tree root protection no dig solution. Whilst inside the tree rooting area, all actions must ensure no detrimental effect on the ground condition. The tree rooting area is the surface which is being protected**
 - Removal of surface vegetation using prior agreed methods with local authority. No methods of removal which will cause compaction to the subgrade can be used. This includes the use of plant, vehicles and machinery. Examples of appropriate methods include hand tools or herbicide
 - When creating a level subgrade, do not grade off humps or level off through compaction, as these may contain tree roots. Rather infill hollows with a permeable material such as clean stone or sharp sand to create a level surface.
 - All external debris, such as rocks and waste, should be removed
 - When an existing hard surface is scheduled for removal, care should be taken not to disturb tree roots that may be present beneath. Hand held tools or appropriate machinery should be used to remove the existing surface, working backwards over the area so not trafficking the exposed area
2. **TRP4000 Non-woven Geotextile**
 - Lay out the TRP4000 over the prepared area, overlapping joins by a minimum of 300mm, dependent on soil conditions
 - When overlapping the TRP4000, ensure the overlap is in the same direction as the Geoweb will be extended. This will ensure the geotextile does not pull up when extending the Geoweb
 - If a site specific solution has been provided by Greenfix which includes a sub-base, this will require installation through non compaction methods
3. **Installation of the Geoweb panels**
 - Lay out the collapsed Geoweb on the TRP4000 and secure at one end in the middle of the width.
 - Extend the panel to 6.6m length, and secure its length at the other end
 - Extend the width of the Geoweb to 2.6m wide, and secure each corner
 - Ensure the panel is secured at 6.6m x 2.6m, as this will achieve the 259mm by 224mm cell diameter required.
4. **Connection of the panels to create one single mattress**
 - All panels must be adjoined to one another both side by side and end to end
 - Simply connect the Geoweb with the supplied ATRA® keys, through the aligned slots



For enquiries and recommendations please contact

Greenfix. Tel: 01608 666027 Fax : 01608 665468

Email : info@greenfix.co.uk

Web: www.greenfix.co.uk

Greenfix
Soil Stabilisation and
Erosion Control Specialists



GEOWEB

Geoweb Tree Root Protection Installation Guide

1. Infill of the Geoweb for tree root application

- Compacted, non-porous material, such as M.O.T. Type 1 / crushed stone with fines should not be used for tree root protection
- Infill Geoweb panel with 4-20mm clean angular stone, ensuring Geoweb is not visible and is overfilled by a minimum 25mm. Plant and tracked vehicles should not drive on exposed Geoweb as this will lead to tearing and damage.
- Infill towards the tree, using the filled Geoweb cells as the working platform
- For a stone specification sheet please contact Greenfix Ltd go to www.greenfix.co.uk

2. Compaction of the infilled material

- Compaction of the Geoweb system is not required on generic site conditions, as the infill will secure its own level when trafficked over a short time
- If on poor / site specific conditions, complete 4 passes of a non-vibrating, smooth wheeled roller over the 25mm overfill. Refill and roller as necessary to ensure a 25mm surcharge remains

3. Edging options

- Where edging is required for light structures, such as footpaths, above ground peg and treated timber edging may be acceptable. Where areas of hard surface require edge support, the use of pinned sleepers, gabions or non-invasive haunch kerbing can provide appropriate solutions.
- For recommendations and details (CAD or PDF), please contact Greenfix for assistance

4. Surface options available

- Geoweb acts as a sub-base to all available surfaces on the market, including asphalt, block-paving, resin bound, grass vegetation or gravel etc.
- For tree rooting areas, the surface must be porous unless approved otherwise by local authority.
- For details of surface options please contact Greenfix for assistance

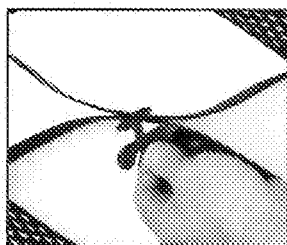
Additional Greenfix services available

For an on-site installation visit on the day of installation on any purchase of Geoweb TRP, please contact Greenfix for recommendations and support.

Site specific calculations and technical recommendations are also available via Greenfix.

Greenfix can offer an on-site visit to recommend correct installation to the calculated recommendation if it has been complete via Greenfix

This information corresponds to our current knowledge on the subject. It is offered solely to provide possible suggestions for your own experimentation. It is not intended however to substitute for any testing you may need to conduct to determine for yourself the suitability of the product for your particular use. Since we can not anticipate all variations in actual end use conditions, Greenfix Ltd make no warranties and assumes no liabilities in connection with this information. Nothing in this publication is to be considered as a licence to operate under or a recommendation to infringe any patent right



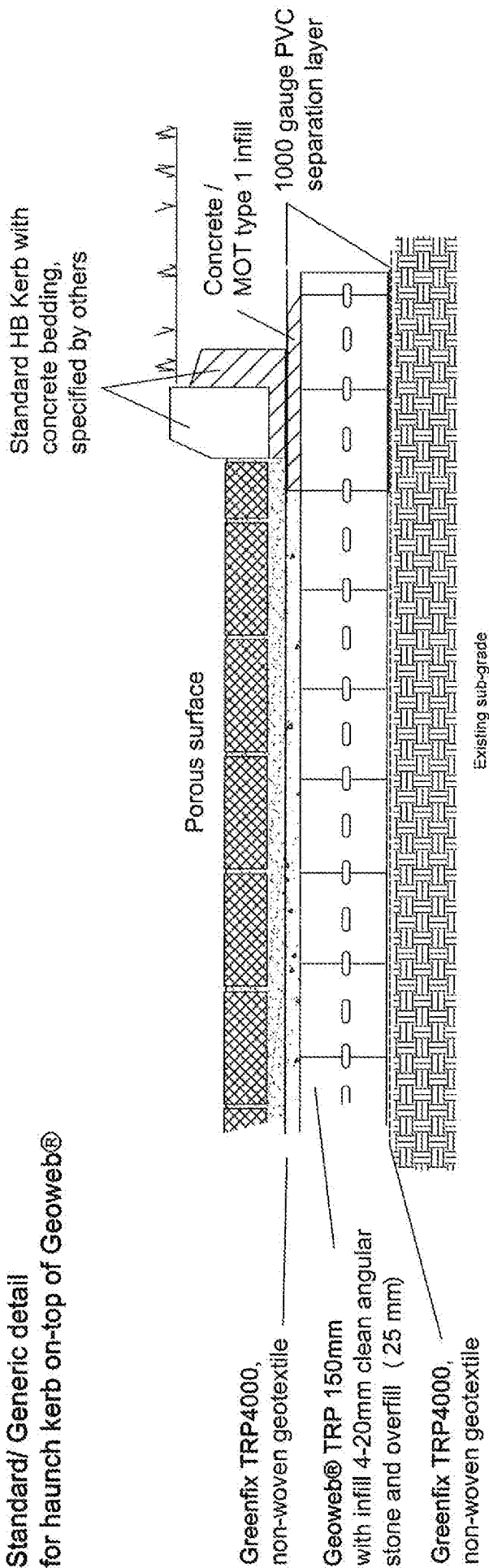
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Web: www.greenfix.co.uk

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Standard/ Generic detail for haunch kerb on-top of Geoweb®



Adjacent Geoweb® units to be joined with Atra-keys.
Subbase could be required depending on the existing ground CBR % and the type of traffic on the surface

Project: Geoweb® Tree Root Protection (TRP)
Distributor: Greenfix soil stabilisation and erosion control
Date: 30.10.2015

Not to scale

Greenfix
soil stabilisation and erosion control

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