

Cellweb Root Protection detail

CellWeb TRP NBS Specification Clause:

For Tree Root Protection Systems:

- I. The Trex Tree Protection System shall be CellWeb TRP by Geosynthetics Ltd. (01455 617139).
- II. The Trex Tree Protection System shall include Cellweb 3 dimensional cellular confinement panels measuring 8.1m in length x 2.56m wide. The system also includes a Trextec T300 Pollution Control Geotextile.
- III. The Cellweb shall incorporate perforated cell walls to provide lateral flow and frictional interaction between infill material and adjacent cells. Perforations shall be 11% of the cell wall surface area.
- IV. The Cellweb shall incorporate a green identification strip along the length of the panel.
- V. The seam peel strength of the cells shall be as shown in the following table:

Cell height (mm)	75	100	150	200
Seam peel strength (N)	1065	1420	2130	2840

U.S.Army Corps of Engineers. Technical report GL86-19, Appendix A.
- VI. The expanded cell size (width x length) shall be 255mm x 224mm.
- VII. The infill material shall be a clean angular stone typically 40mm to 20mm or 20mm to 4mm.
- VIII. The system shall be installed strictly in accordance with the manufacturers installation instructions
- IX. The CellWeb TRP system shall incorporate a system guarantee of 20 years.
- X. Fact Sheets 1.2,3,4 and 5 shall provide factual evidence of the application of Trex TRP and Trextec T300 systems performance in the application of Tree Protection.

Cell height (mm)	75	100	150	200
Seam peel strength (N)	1065	1420	2130	2840
U.S.Army Corps of Engineers. Technical report G186-19, Appendix A				

The expanded cell size (width x length) shall be 259mm x 224mm.

VII. The infill material shall be a clean angular stone typically 40mm to 20mm or 20mm to 4mm.

VIII. The system shall be installed strictly in accordance with the manufacturers installation instructions

IX. The CellWeb TRP system shall incorporate a system guarantee of 20 years.

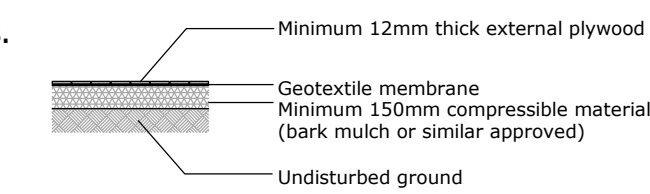
X. Fact Sheets 1,2,3,4,and 5 shall provide factual evidence of the Cellweb TRP and Treetex T300 systems performance in the application of Tree Root Protection.



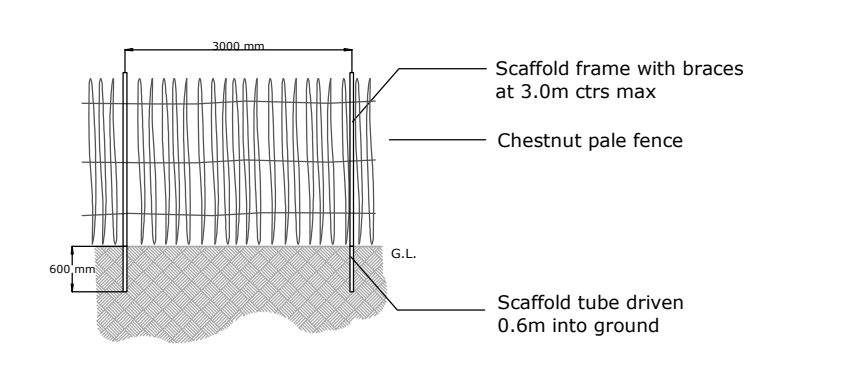
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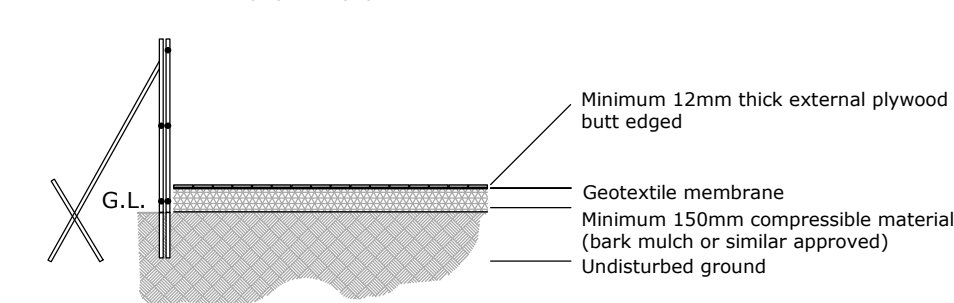
Protective Fencing to roots.
1:100



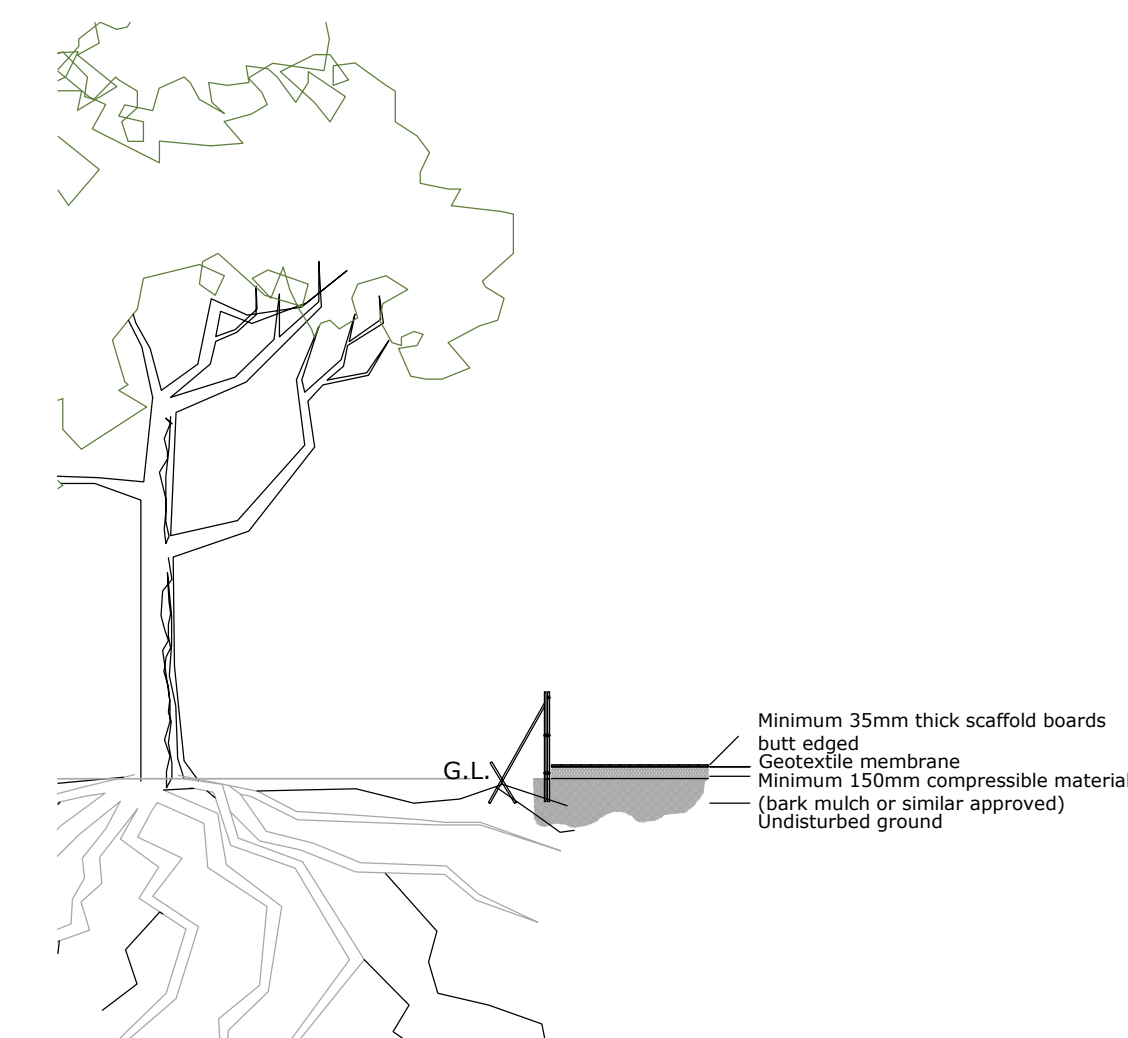
DETAIL X



TYPICAL ELEVATION OF
PROTECTIVE FENCING



Typical section through Protective Fencing to roots.
1:200



Euromesh fencing to extensive areas of protected trees to main body of site.

notes:

Lingard *styles*

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client / project:

Chirk Court

title:

Tree Protection Plan

dwg. no:	scale:	drawn by:
2696 03 11 09 2 G	1:250, 1:200, 1:100	thf

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