

Case Study: Bodnant Gardens, Tal -Y-Cafn, Nr Colwyn Bay Products: Geoweb Tree Root Protection



Bodnant Gardens is an 80 acre National Trust property positioned above the River Conwy, housing an important Botanical collection, including a famous arch of Laburnham Trees. The project involved upgrading of an existing forest track to provide a more usable surface and to protect the surrounding tree roots from surface erosion.

Works were carried out by the National Trust's own contracting team. 150mm deep Geoweb was selected as the best option for a three dimensional load spreader as specified in APN12 which is a requirement for tree root protection. A high strength woven geotextile (TRP40/40) was used as a separator below the Geoweb as it does not restrict passage of water and air to the tree roots as some needle punched materials do. A two dimensional load spreader was not considered due to their tendency to allow migration of the aggregate over time. It was important that soil was not compacted to ensure survival of the water absorbing fine roots. This is especially relevant to the clay soils found on this site.



Client



**Ymddiriedolaeth
Genedlaethol
National Trust**

Contractor



**National
Trust**