



Case

# STUDY

CELLWEB TRP & TREETEX  
Coombe Abbey Park  
Footpath Through Woodland Route  
To Children's Play Area Development

## The BACKGROUND

Discussions with Coventry City Council explained that they had proposed a new Children's play area built into the woodland area of Coombe Abbey Park.

The Council needed to create a footpath through the woodland to the new development. However, the needed route had the presence of mature trees.

## Our Client's REQUIREMENTS

The Council required a solution to limit soil compaction and encourage decomposers whilst minimising further soil compaction.

Due to the presence of mature trees on the route of the proposed footpath they also required a no dig solution to ensure there was no damage to the tree roots.

This is where Geosynthetics Ltd were approached.



**MARKET SECTOR:**  
Local Authority



**LOCATION:**  
Coombe Abbey Park, Brinklow  
Road, Binley, Coventry, CV3 2AB



**ARCHITECTS:**  
Coventry City Council



**CONTRACTOR:**  
Coventry City Council





## Our Value Engineered

# SOLUTION

Due to the complex conditions of the site we proposed the use of our Cellweb Tree Root Protection Product.

Heavy footfall can cause a significant increase in soil compaction beneath trees. This would result in reduced water and oxygen availability to roots beneath this compacted ground.

The proposal incorporated 75mm Cellweb TRP alongside a layer of Treetex geotextile which was then laid on top. This acted as a separation layer and pollution control measure. Panels of Cellweb®TRP were then laid on top of the Treetex and infilled with a clean angular stone.

The Cellweb®TRP would minimise any compaction within the rooting environment, while decomposers would naturally aerate the ground, reducing soil bulk density. The use of Cellweb®TRP infilled with clean angular stone would also allow the continued permeation of water and gas exchange between rooting environment and atmosphere.

This whole project was designed and supplied courtesy of Geosynthetics Ltd. The Geosynthetics Tree Root Protection Team donated their time and knowledge to ensure that this tree will survive for generations to come.

