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Geosynthetics

Adopted Road and Footpath Examples

Cellweb®TRP

"Creating Innovative Solutions with Outstanding Products"

Adopted Roads

Cellweb® Tree Root protection is the UK's market leading 3D cellular confinement tree root protection system and is widely specified for the construction of new hard surfaces within root protection areas in accordance with BS5837.

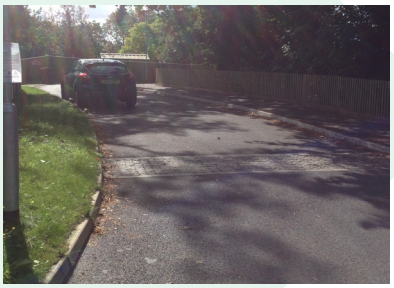
Difficulties when specifying the system often occur for the construction of public roads, footpaths and carparks where there is a requirement for the local authority to take responsibility for the maintenance of the new structure and formally adopt it.

This document provides examples of where new hard surfaces, constructed using the Cellweb®TRP system have been adopted by local authorities. This document is designed to provide examples to specifiers of the system and local authorities. This is a working document and will be regularly updated with new examples of schemes which have been adopted. When providing examples of adopted schemes please contact Geosynthetics Limited who will be happy to provide the most recent and up to date version.

This document is designed to be used in conjunction with technical advice and site specific recommendations which are also available free of charge from Geosynthetics Limited. If you would like to discuss any tree root protection application please do not hesitate to contact us on 01455 617139 and one of our technical specifiers will be happy to help.

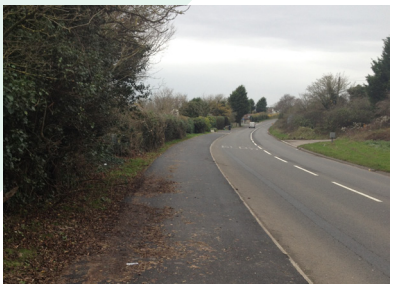
Castle Gardens, Leicester

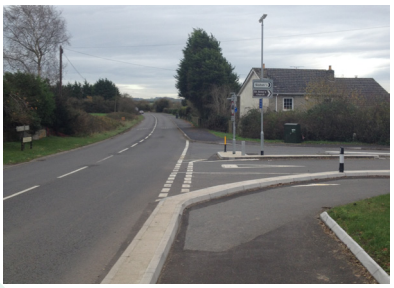
Location:	Castle Gardens Castle view Leicester
Project details:	This project was undertaken by Leicester City Council in 2015. The aim of the project was to create a new access and footpath from St Nicholas Circle in the centre of Leicester down into the Castle Gardens. This would create improved access to the Castle Gardens and enable the public to pass through the gardens to access other parts of the city. The project required thoughtful design to overcome significant changes in levels within the root protection areas of several mature trees and utilise Cellweb®TRP as a no dig solution. A full case study is available on this project.
Architect:	Levitate Architecture and Design Studio
Council:	Leicester City Council



Oak Meadow, Shipdham

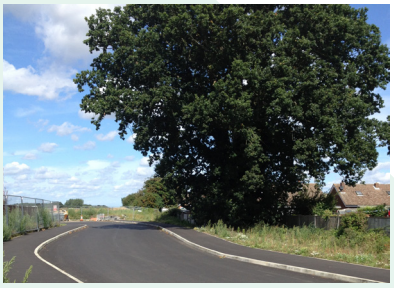
Location:	Oak Meadow Shipdham Norfolk
Project details:	This project and design was for the construction of a new access road from the A1075 onto a new housing development developed by Able Homes. The Cellweb®TRP no dig construction starts at the entrance to the development and extends approximately 110m into the site.
Architect:	Plandescil Consulting Engineers
Council:	Norfolk County Council





Shortwood, Gloucestershire

Location:	Shortwood Pucklechurch South Gloucestershire
Project details:	This section of footpath and cycle route was designed and constructed by South Gloucestershire Council and runs along the stretch of the B4465, between Siston Lane and Horseshoe Cottage. This forms part of a phased plan to create a shared footpath connecting Shortwood with Pucklechurch. Although this was not a tree root protection application Cellweb®TRP was chosen to form the sub-base as it reduced the quantities of materials being removed from and delivered to the site, making it the economically and environmentally favourable choice.
Architect:	South Gloucestershire
Council:	South Gloucestershire

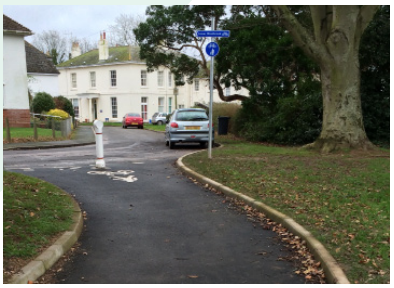


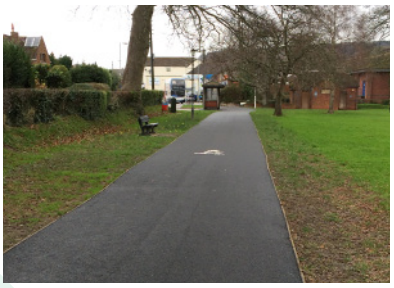
Stoke Road, Norfolk

Location:	Stoke Road Poringland Norfolk NR14 7JL
Project details:	This no dig access road has be approved for formal adoption by Norfolk County Council. The road currently provides access to a newly constructed doctor's surgery, but will ultimately become the access to approximately 100 new homes to be built by developers David Wilson Homes. The road will be formally adopted on completion of the development.
Architect:	Plandescil Consulting Engineers
Council:	Norfolk County Council

Stanford in the Vale

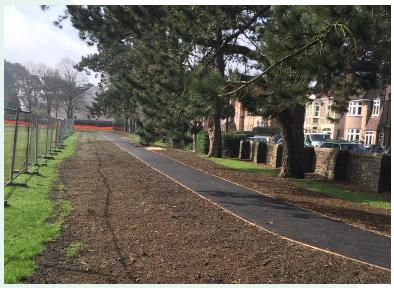
Location:	Stanford in the Vale Faringdon Oxfordshire
Project details:	This footpath which runs adjacent to the railings was constructed on a David Wilson Homes development, to protect the roots and rooting environment of the Willow seen in the photograph. Both the Cellweb®TRP footpath and the road are surfaced with permeable blocks and has been adopted under a section 38 agreement by Oxfordshire County Council.
Architect:	Infrastruct CS Ltd
Council:	Oxfordshire County Council

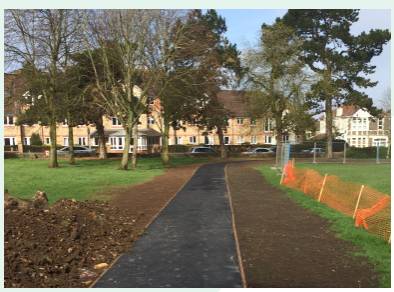




Woolbrook Cycle Link, Devon

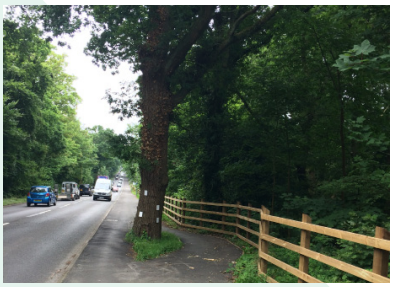
Location:	Woolbrook Cycle Link Long Park Sidmouth Devon
Project details:	In 2014 Devon County Council replaced and widened an existing footpath though Long Park to create a new Cycle Path. The path passes through the RPA's of some mature Beech which required a no dig solution. The Cycle Path is surfaced with a permeable asphalt wearing course.
Architect:	Devon County Council
Council:	Devon County Council





Page Park Footpath, Bristol

Location:	Page Park Staple Hill Bristol BS16 5LB
Project details:	The construction of this no dig footpath was undertaken for South Gloucestershire Council in early 2016. The new footpath passes through the root protection areas of numerous parkland trees including those of the mature pines which can be seen in the pictures.
Architect:	South Gloucestershire
Council:	South Gloucestershire

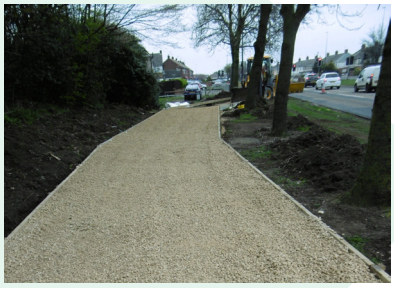


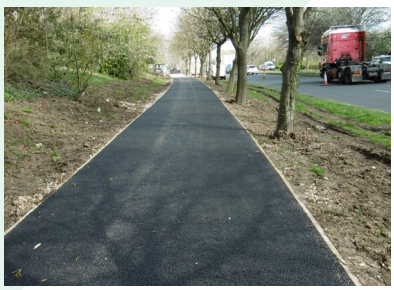
Gravel Hill, Poole

Location:	Gravel Hill Poole Dorset
Project details:	In 2016 the Borough of Poole embarked on a Highways improvement scheme. This involved the widening of the existing footpath to create a cycle path. The widening of the path resulted in the incorporation of existing trees along the route, requiring the use of Cellweb® TRP for its construction. Cellweb® TRP was also used at this location for the construction of a service track beneath the highway embankment, through an area of existing woodland.
Architect:	Borough of Poole
Council:	Borough of Poole

Keats Way, Northamptonshire

Location:	New Development off Keats Way Rushden Northamptonshire NN10 6EE
Project details:	Geosynthetics Limited were approached by JPP Consulting Civil and Structural Engineers regarding a new residential development on land off Keats Way, Rushden Northamptonshire. The area of land to be developed could only be accessed from Keats Way and a new access road would need to be constructed. The only feasible route for the new road would pass through the RPA of a large Beech tree. The Beech was considered to be of high amenity value and was to be retained within the new development, which meant that a 'no dig' tree root protection system would need to be used for the construction of the access road.
Architect:	JJP Consulting Civil & Structural Engineers
Council:	East Northamptonshire Council





A689 Queens Meadow Cycleway

Location:	Queens Meadow Cycleway A689 Stockton Rd Hartlepool
Project details:	This project was for the Construction of a Cellweb® TRP reinforced 3m wide unsegregated footway/cycleway route between the traffic signal junctions at Queens Meadow Business Park and Truro drive, running along the north side of the A689 route in Hartlepool.
Architect:	Hartlepool Borough Council
Council:	Hartlepool Borough Council

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