

Case

STUDY

CELLWEB TRP

Castle Gardens, Leicester
Pathway Installation



MARKET SECTOR:
Built Environment



LOCATION:
Castle Gardens
The Newarke
Leicestershire
LE2 7BY



CONTRACTOR:
Leicester City Highways



CONSULTANT:
Tim Sloan - Levitate
Pravin Godhania - Highways

The BACKGROUND

Leicester City Council identified the need for a new entrance and footpath through Castle Gardens on the outskirts of the city centre.

The challenges were a change in levels of 2.19m and presence of mature tree RPA's along the route dictating that a no dig solution was required for the footpath construction.

Our Client's REQUIREMENTS

Access route into Castle Gardens for pedestrian use within a tree root area.

TECHNICAL REQUIREMENTS:

- Building pathway up 1.8m without causing ground compaction and damaging the tree roots.
- Vegetated slope
- Natural appearance



Our Value Engineered **SOLUTION**

The Council engaged Geosynthetics Limited and Levitate Architecture and Design Studio Limited to design a no dig 3D cellular confinement system.

The solution minimised compaction of soils, reduced overall footprint and eliminated root severance whilst providing continued water permeation and gaseous diffusion to the rooting environment beneath.



“From their technical advice during the design stage, through to the on-site support during installation, Geosynthetics have assisted with the project’s successful creation of an attractive new path through tree rooting areas.”

PRAVIN GODHANIA,
Job Title
Leicester City Council

