



THE CONTRACTOR

Osborne was principal contractor on the Solum regeneration, delivering a new station and mixed-use development above and beside a live railway. The programme maintained public access within a constrained site while the station, public realm and riverside connections were constructed.

PROJECT OVERVIEW

Twickenham Gateway combined a new station, public plaza, retail units and 121 homes with a pedestrian and cycle connection beside the River Crane. Within this tree-lined corridor, CORE supplied approximately 1,200 m² of cellular confinement system to form a stable path build-up while limiting excavation.

TOTAL AREA: 1,200M²

KEY REQUIREMENTS

The route had to pass through a narrow, vegetated corridor beside an operational railway and watercourse. Construction therefore needed to follow the changing alignment, provide a durable pedestrian and cycle surface and avoid conventional deep excavation that could disturb roots or destabilise the formation.

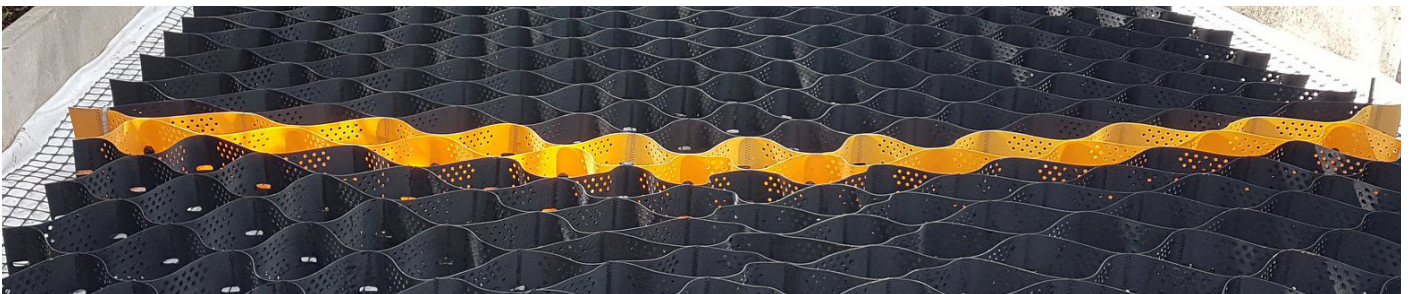
PRODUCT

The CORE cellular system creates a porous, load-spreading base for access through root-sensitive areas. Filled with free-draining aggregate, its cells spread loads, control lateral movement and help maintain water and oxygen exchange.



The load-spreading layer creates a stable path build-up while reducing excavation and pressure on the ground below.





SOLUTION

The CORE cellular system was installed over the prepared formation, cut to the path geometry and incorporated into the granular build-up before the finished path surface was applied. The cellular layer created a stable, continuous base along curves and gradients, helping spread path loads while retaining a porous build-up around established vegetation.



POROUS BUILD-UP



Free-draining aggregate helps retain natural water and air movement through the soil.

ACCESSIBLE ROUTE



The system forms a stable base for a durable pedestrian and cycle surface.

NO-DIG CONSTRUCTION



The load-spreading layer reduces the need for conventional excavation around roots.

CORE SYSTEM

1,200
M²

SUPPLIED

NEW STATION

2020
OPENED

TWICKENHAM GATEWAY



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