



Case

STUDY

CELLWEB® TRP

David Wilson Homes
Fill exercise



MARKET SECTOR:

Environmental



LOCATION:

Wichelstowe Swindon
Swindon, SW1 7BX



CONTRACTOR:

Conlon Ltd



CONSULTANT:

Avocet Civil Engineering
Consultancy



CONSULTANT:

Keyline Builders Merchants Ltd

The BACKGROUND

Conlon Ltd were appointed by David Wilson Homes Southwest to undertake a fill exercise at their site at Wichelstowe in Swindon, Wiltshire.

The parcel of land in question required its levels to be raised between 1.5-2m from existing, to create parking areas for the residents.

Our Client's REQUIREMENTS

A sustainable solution for a fill exercise at their Wichelstowe site in Swindon, Wiltshire.

The southern part of the site resides adjacent to a Tree Root Protection area, so any solution would need to be installed without compaction.

The existing ground levels varied in this area and were prohibited from levelling them by machine due to the tree root protection zone.

Our Value Engineered SOLUTION

Our Engineering and Technical team first conducted a conference call to go through the extensive site information.

The Engineering team then worked with Conlon Ltd and Avocet Civil Engineering to produce a detailed Technical Recommendation showing how the Cellweb® would interact with the existing ground.

The solution consisted of staggered and stacked layers of 200mm Cellweb® to achieve different levels. In total, site used 2500m² of Cellweb® 200mm and 640 tonnes of 4-20mm angular clean fill to build up to the desired height. As this project was time sensitive our Engineering team were able to turn the calculations and cross sections around quickly and we are able to deliver these products to site within 24 hours.

Follow on Technical advice was then given after the materials had been delivered to support the contractor and meet the end user's needs.



**INDICATIVE CROSS SECTION A-A
SLOPE REINFORCEMENT WITH CELLWEB TRP SYSTEM**

