



## Case

# STUDY

## ROCKBOX, HELICALS & EKOTEX

Dickens Manor, Solihull  
Balancing Pond



### MARKET SECTOR:

Housing and Residential



### LOCATION:

c/o Bellway Homes  
RumBush Lane, Dickens Manor  
Solihull, B90 1TA



### CONTRACTOR:

L Healy Ltd



### CONSULTANT:

Travis Baker Ltd



### MERCHANT:

MPS (Wolseley) Warwick

## The

# BACKGROUND

**Dickens Manor is a residential development in Solihull in the West Midlands. Within the outline design of the scheme a requirement was identified for a balancing pond to be incorporated as part of the sustainable urban drainage system.**

It was decided that this could become a feature of the development and that an aesthetically pleasing edge detail and combined retaining structure would be required.

## Our Client's

# REQUIREMENTS

A balancing pond incorporated as part of a sustainable urban drainage system.

**The project developer contacted Geosynthetics to seek assistance with a design and supply package.**

After conducting a review of the site requirements including soil analysis, topography and location of property foundations.





## Our Value Engineered SOLUTION

**Geosynthetics proposed a gravity gabion retaining structure that could accommodate the close proximity to both bridge abutments and foundations whilst allowing the formation of complex curves.**

Geosynthetics were able to provide assistance to the site installation team and introduced the use of helical fastenings to assist with the speed of assembly. All RockBox units were dispatched from stock and the material order was routed via a preferred merchant stockist inline with our merchant policy.



**"Geosynthetics Ltd provided a complete and professional package to our customer Larry Healy, visiting site to guide them through the install and providing delivery of products on a next day basis. Having been involved in the design with Bellway their knowledge of the project and all its aspects was a huge advantage when things evolved on site as they normally do. Before the final delivery went in at the end of a 1 year programme of works; they had been through three re-designs liaising with all the involved parties to ensure smooth progress throughout."**

**IAIN WALLIS**  
**MPS**  
Wolseley

