

# Residential Development

<b>Client</b>	Pace Developments
<b>Wall Area</b>	3m x 20m
<b>Secugrid Area</b>	80m <sup>2</sup>

### In brief

CMS specified the Guardian reinforced retaining wall system to maximise car parking space at a new residential development in Ashton Under Lyne. The integrated system, consisting of the Guardian retaining wall and BBA approved Secugrid, enabled Pace Developments to develop the land right up to the site boundary.

### Project scope

Pace briefed CMS to design a cost-effective and time-efficient solution to build up existing ground levels at the rear of the development, which dropped by 3m within 500mm of the site boundary.

With the wall being higher than one metre, and soil loadings apparent, CMS specified the reinforced Guardian option, which was eligible for free PI cover. Key to this system is Secugrid, a high performance geogrid which effectively anchors and extends the serviceable life of the retaining wall.

The modular and mortarless construction of Guardian made it easy to install and removed the need for specialist contractors on-site. As such, Pace used its own site team to complete the installation. This included the construction of the Guardian wall, which measured 20m in length and 3m high, as well as the laying of 80m<sup>2</sup> of Secugrid to reinforce the retained ground.

Jamie Preston, operations director, Pace Developments, concludes: "The simple installation procedure of the reinforced system helped us to complete this project to schedule. We have been especially pleased with the quality finish of the Guardian retaining wall which complements this high-specification development nicely."



The Guardian reinforced retaining wall system was used to maximise car parking space at a new residential development in Ashton-Under-Lyne



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