

# ParaGrid™ - Case History



**Segmental Retaining Wall  
Terraced Parking Lot**

**Profile**

ParaGrid™ grades used ParaGrid™ 50/15

Client: ASDA

Design: Maccaferri Ltd

Contractor: Hewlett Civil Engineering Ltd

ASDA is one of the leading supermarket chains in the UK and is also part of the Wal-Mart family. For their new store in the town of Halifax, West Yorkshire, they were in need of a solution for the parking lot structure which was to be built on sloping ground at the front of the store.



The main challenge for the designers was making use of the limited available space to create a cost effective yet stable and aesthetically pleasing structure.



The solution was to build a series of curved, terraced, modular concrete block retaining walls, incorporating planting areas. Vegetative cover was used to soften the impact of the walls which was important as the store is located within a residential area.

Linear Composites' ParaGrid™ 50/15 geogrid was specified to reinforce the soil mass immediately behind the blocks. Layers of ParaGrid™ were installed during construction, the height of the wall dictating the number of ParaGrid™ layers. The combination of ParaGrid™ and blocks enabled the contractors to construct an economical, attractive, durable, low-maintenance structure.



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