

Case Study

Grass reinforcement for car & coach parking areas

Project: Grassed Overflow Car Park
Client: Twycross, Atherstone
Contractor: Link Associates
Product: GRASSPROTECTA™ (Heavy)

ISSUE

Twycross Zoo has been open since 1963, attracting in excess of 450,000 visitors per year. In order to cater for this number and to increase future visitors a major refurbishment program was planned. This meant that the current visitor facilities were renewed and improved and construction on the new visitor centre was planned to start early 2009 and be finished by 2010.

The majority of the existing visitor car & coach parking facilities were in the precise location of the new visitor centre development and therefore required relocation. These new car & coach parks and their access roads were required before commencement of the new development to ensure that zoo remained open throughout.

SOLUTION

42,000m² of GRASSPROTECTA was specified to be installed directly onto the new designated grassed car parking areas (some areas were existing overflow, to be further reinforced, other new areas previously non-trafficked grazing fields). A bespoke application was employed utilising a specialist Geogrid & GRASSPROTECTA Heavy 2kg to reinforce the grass surface and allow the grass to grow through the mesh to create a naturally looking grass car park that would be capable of withstanding car and light vehicle applications without causing smearing, wear and rutting.



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BENEFITS

GRASSPROTECTA met the requirements of 'Source Control' conditions as part of the requirement for a SuDS application, in that the new surfaces must be able to meet with an environmental requirement to enable water to permeate either in the surface/water table and/or be carried at source to the new wetlands zone on site (Several large ponds surrounded by naturalised wetland environment) which were constructed as part of the development. This ensured that none of the surface water had to be directed into off-site drainage systems which could have had an influence of possible flash floods in the area. GRASSPROTECTA was used in conjunction with BODPAVE 40 which was specified for the reinforcement of the coach parking areas and vehicle access routes through the park.



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