

Case Study

Grass-filled porous paver for car parking



Client: SIEMENS
Contractor: Go Mow Garden Maintenance
Location: Wollaton, Nottingham
Product: BODPAVE™40 Grass paving grids
Application: 1300m² Grass car park extension

ISSUE

Additional car parking spaces were required at the clients premises in Wollaton, Nottingham. The planned location was an existing grassed area adjacent to their current full to capacity car park. The client required a reinforcement surface that kept the natural grassed finish and allowed full water penetration in-line with Sustainable Urban Drainage (SUDS) requirements and that was capable of withstanding everyday vehicular traffic.

SOLUTION

BODPAVE 40 grass paving grids were specified as they offered a reinforcement surface capable of withstanding everyday car and van traffic whilst allowing rainwater to penetrate through into the natural sub-grade soil below. The car park was excavated and a free draining porous/open graded sub-base layer was laid as per the required design specifications. Concrete edging kerbs were constructed and the sub base was covered with a layer of blinding sand. BODPAVE 40 pavers were installed onto this surface and connected through their hook and loop connectors. The cells were filled with a soil rootzone mix and seeded. Within a few weeks the grassed surface had returned and the car park was operational within a few months.



Edging kerbs installed



Cells filled with a soil rootzone mix

BENEFITS

Installation took place in September 2008 and the car park was in use by December 2008 on a daily basis for regular car and van traffic. The open cell structure of BODPAVE 40 allowed full water infiltration and ensured that the grass roots could spread from cell to cell creating a strong reinforced healthy grassed surface.

BODPAVE 40 was specified due to its open cell structure, high load bearing capacity, ease of installation and economical price.

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