Case Study

Gravel filled porous pavers for road verge protection

Client:	Southend Borough Council
Location:	Leigh-on-Sea Railway Station, Essex
Product:	BODPAVE™ 85 (Black)
Application:	Verge Protection/Parking (1,400m^2)

PROJECT RATIONALE:

Leigh-on-Sea railway station serves the coastal town of Leigh-on-Sea near Southend in Essex. Limited commuter/visitor parking caused congestion problems on the winding road to the station, which in turn caused considerable damage to the roadside verges in the form of rutting, subsequent water puddling and general unsightly land damage. Remedial action was required as a matter of urgency, but due to the coastal nature of the area, a sympathetic solution was required, where land usage and damage would be minimised and drainage maximised, with as little disruption as possible to the maritime environment.

SOLUTION

Following on-site consultation with BODPAVE 85 (Black) was specified as the best solution. New roadside verges were constructed and existing verges extended, to allow for dedicated off-road gravel parking for both cars and coaches.

Roadside rutting & damage

Installation of BODPAVE 85

Geogrid layer installed

BODPAVE 85 - Gravel filled

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BENEFITS

Adopting this technique ensured minimum disruption to the tree roots. Disruption can, in itself, damage tree roots. Now the driving surface is stable and supportive. Traffic loads are controlled and directed away from the roots. The long-term result should be an environmentally-friendly drive which is both attractive and functional.

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