A sustainable, BBA accredited asphalt SDS system that also contributes to BREEAM
B&Q Car park, Portsmouth
THE CHALLENGE
HGP architects developed the largest B&Q store in the country at the Pompey centre, Portsmouth. The store includes 120,000 sq ft of retail sales area and a 30,000 sq ft garden centre, with the car park being 20,000m². The site is built close to the sea and the contractor wanted to construct the car park using a product to help with surface water management and run-off.

OUR SOLUTION
The ULTISuDS design incorporated a bespoke infiltration system using a granular reservoir base and the hydraulic performance of each asphalt layer was tested to assess compliance before laying the next. The Transport Research Laboratory (TRL) assessed the pavement condition using a falling weight deflectograph (FWD) prior to the official opening. The results showed that there was consistency throughout the site in terms of both stiffness and deflection and the structure was considered suitable for the purpose that it was designed for. Because positive drainage was not necessary there was an overall significant cost saving to the main contractor.

RESULTS AND BENEFITS
The ULTISuDS system supports rain management by working with nature. It is designed to capture rain and surface water before either storing it for recycling, releasing it immediately into the sub-grade or performing a controlled release into the existing drainage. Having removed the need for any additional drainage systems, it made the car park projects much more cost-effective.

For more details contact your enquires@tarmac.com or call 0800 1 218 218