

# **PROVEN PERFORMANCE**

*BBA accredited sustainable drainage system  
University of Reading*

**ULTISuDS**

**Product** ULTISuDS

**Client** University of Reading

**Main Contractor** Mansell PLC

**Location** White Knights Campus, Berkshire

**Completion** April 2010

## THE CHALLENGE

The University of Reading wanted a product that could tackle storm water management at its campus. They required a cost-effective alternative to permeable block paving that could deal with the drainage challenges of the site. This included an open drainage basin, low infiltration rates and minimal falls across the site. The work also needed to be completed within a challenging schedule.

## OUR SOLUTION

The final design worked with the natural topography of the site to channel the rainwater down through the porous asphalt surface and into the granular reservoir layer. Once within this aggregate layer water flows to the lowest point in the system to discharge into the open drainage basin. During a peak storm event the basin is designed to overflow into one of the existing drainage channels on campus. This approach was more cost-effective than the alternative of re-engineering the existing conventional drainage system.

## RESULTS AND BENEFITS

The installed solution attenuated rainwater volumes up to a 1 in 100 year storm event, effectively reducing pressure on the existing storm water system. ULTISuDS is also proven to improve the quality of discharged water. Research undertaken by Coventry University has demonstrated that any surface water pollutants are effectively retained by the system layers, thereby discharging cleaner water. The system is also classed as a shallow construction technique reducing the volumes of materials excavated and removed from site, which reduced transport requirements.

For more details contact your [enquires@tarmac.com](mailto:enquires@tarmac.com) or call **0800 1 218 218**

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