PROVEN PERFORMANCE
BBA accredited sustainable drainage system
Community Centre, Bristol
THE CHALLENGE
Construction of the 2,000m² car park was a major element of a new purpose built Community Centre, a community-led design and build project. The design team comprised representatives from the South Bristol Church and Community Trust, the local Primary Care Trust, the Hartcliffe and Withywood Community Partnership and Bristol City Council. Funding for the project was secured from European grants, Bristol City Council and local charities. A community project, the Client’s brief specified delivery of a scheme that would be as sustainable as possible with minimal impact on the local environment.

OUR SOLUTION
Design collaboration between all stakeholders resulted in a number of environmentally focused design features for the Centre and the ULTISuDS system incorporates an in-built weir system, which forms part of the reservoir layer and provides an increased level of storage capacity. In addition, inlet pipes transfer rainwater from the 2,500m² roof of the community centre into the porous pavement. The Centre has the opportunity to draw from the collected and stored grey water supplies and, amongst other uses, water their landscaped areas.

RESULTS AND BENEFITS
Prior to construction of the Centre, we were involved in the programming and planning stage of the overall Project. This early input and collaboration successfully minimised the potential damage to the system caused by the other construction activities. We were programmed to attend site during the closing three weeks of the build programme with the final surfacing not being laid until all other site activities had been completed. This ensured successful installation and no project overrun. In keeping with the sustainability challenge all materials were sourced from local quarries reducing haulage impact and cost. Approximately 1000 tonnes of subbase and 600 tonnes of porous asphalt were supplied and installed.

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