



Darton Advanced Learning Centre, Barnsley

Who:
Barnsley LEA

Where:
Darton School, NW of Barnsley, Yorkshire

What:
Drainage from new build
Advanced Learning Centre

Specifier:
Buro Happold

Main contractors:
LAING O'ROURKE

John Laing



Project details

Project requirements:
Total infiltration to ground of all surface water on site.

Total project cost:
£28 million

Key criteria:
Avoiding the hazard of routing drainage for the new site to the existing outfall on the other side of the existing school, plus the need for rainwater harvesting to meet the ALC's requirement for reduced water consumption.

Solution achieved:
With a deep water table and good infiltration rates to the weathered sandstone, total infiltration also mimicked the natural hydrological process. Even with a large volume to accommodate, Tubosider's large diameter steel pipes proved ideal as end of pipe soakaways

Other benefits:
The soakaways are fitted with access points for quick and easy maintenance and man entry for routine inspection, giving peace of mind as to any base siltation that might occur with large soakaway structures over a 60 year design specification.



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