

SCHEME

Moreton Hall, Bury St Edmunds

CLIENT

Wilson Connolly Ltd

CONSULTANT

Denis Wilson

CONTRACTOR

Breheny

PIPE APPLICATION

1,200m @ 2800mm diameter WEHOLITE H.D.P.E. Class 2kN/m² pipe installed as a storm water storage attenuation tank



Largest scheme, lightest product at Bury St Edmunds

Attenuation tank adopted by Anglian Water



A new housing estate development, on the outskirts of Bury St Edmunds in Suffolk, sought to maximise amenity land use by providing a storage tank solution for 8,000m³ of storm water in preference to a wet pond. WEHOLITE structured wall large diameter pipe was the most cost-effective solution.

A total of 1200m of 2800mm diameter pipe was supplied to site in 14m lengths. The benefits of using plastic pipes were immediately apparent in the 50% reduction in lorry movements required for delivery. The reduced impact to the local environment in Bury St Edmunds was achievable because plastic pipes are significantly lighter than their concrete equivalents – concrete is nine times the weight of WEHOLITE per linear metre. Thus, with an average lorry load of three, 2.5m long, concrete sections

weighing 8.5 tonnes each; or one, 14m length of WEHOLITE weighing 5.5 tonnes, the advantages are obvious. Handling and laying was also easier, with the contractor able to use a smaller, 40 tonne excavator to off load and lay the pipes instead of bringing in larger capacity plant. Also, as WEHOLITE pipes can be moved in 14m lengths instead of 2.5m sections, the amount of tracking across the site from the delivery area to the tank excavation was also reduced, enabling the use of a single machine.

“We would probably have needed two larger machines if we had opted for the concrete option,” said Richard Cottee, Breheny Contractor’s contracts manager. “Add to this the time efficiencies and reduced lorry movements to site and I would have to say that WEHOLITE proved to be a highly cost-effective solution. I would have no hesitation in using WEHOLITE attenuation tanks again.”

THE ESSENTIAL SOLUTION FOR PIPE USERS NATIONWIDE

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