

SCHEME

Liskeard New Road

CLIENT

Alfred McAlpine for South West Water

CONSULTANT

Hyder

WEHOLITE SOLUTION

55 m x 2.4 m diameter WEHOLITE

New Road benefits from a New WEHOLITE storm water storage system



ASSET WEHOLITE pipe was chosen as a storm water overflow tank system on New Road in Liskeard in October 2005. The system was selected following discussions with South West Water to increase the capacity of CSO's within the catchment area of the town. The aim was to install the attenuation tank upstream to one of the CSO chambers, which will become fully utilised prior to the CSO spill.

Tyrone Nelson, Project Manager for Alfred McAlpine, said that the site was chosen in accordance with external factors, "As well as being a short distance from the existing CSO chamber, New Road was the nearest open space that was available to us without causing too much disruption to the local residents in Liskeard."

The ground conditions on site eliminated the idea of using a crane and concrete, and contractors Alfred McAlpine looked to ASSET for the answer, as Tyrone explains: "Using WEHOLITE pipes is more cost effective when compared to traditional pre-cast concrete tanks, they are quick and easy to install and require no curing time."

55 m of WEHOLITE was lifted with an ordinary 25 tonne Hitachi 360° excavator. Mike Cobble, Site Manager for Alfred McAlpine commented on the simplicity of using WEHOLITE, "When we can utilise the excavating machine to place the pipe there are great savings in both time and cost."

We required just four men on site during the process of installing WEHOLITE: one man operating the machine, two men placing the pipe and sealing each section, and one man overseeing the operation".

Mike continued, "The health and safety benefits to using a light plastic pipe are immeasurable compared to the large safety risks involved with lifting concrete". "With the operation taking place adjacent to a live road, work access is tight and in the event of larger alternative machinery being used, public disruption on the road would drastically increase. Thankfully there is minimal disruption and only 100 m of one lane is currently closed to the public for site entry."

THE ESSENTIAL HDPE WATER MANAGEMENT SOLUTION

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