Ambergate Treatment Works

MWH Global have always been known for introducing innovation in construction, particularly in the challenging water utility sector.

Following the pioneering success of the utilisation of RoadCem soil concrete technology on their project for Severn Trent Water at Clay Mills.

Simon Whittaker and his team were keen to use RoadCem to treat the tricky ground conditions at the Ambergate Water Treatment works.

The in-situ stabilisation of soils requires specialised mixing plant such as Wirtgens and Stehr plant and a heavy roller.

Because the remote site access at Ambergate restricted heavy plant and made stone import difficult.

Simon and his team improvised very successfully with RoadCem, mixing and compacting with their light onsite plant and equipment.

The resulting access and working platforms proved cost effective and fit for purpose, providing a durable solution in this wet site.

The slightly rough surface resulting from preparation with potentially unsuitable plant proved to be a bonus, giving excellent traction especially on the slopes.

"The Merit Award winner of the Small and Medium Project category was Clay Mills STW, submitted by MWH, for its precast final settlement tanks where significant project cost and time savings in creating an aesthetic solution impressed the judges.

Also their soil stabilisation project which involved the introduction of RoadCem a new product to the UK and combined with innovative and courageous thinking by those involved marked them out as winners."

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