Watery Road, Wrexham

Customer:	Bellway Homes	Value:	£410k
	Bellway House, 2 Alderman Place, Liverpool L24 9LR	Contact:	Paul Williams Technical Director

Scope of Work

- Site Clearance
- Asbestos clearance
- General re-engineering of deep made ground
- Treatment of historic reservoir and TPH impacted soils by stabilisation and solidification
- Optimal materials management strategy
- Network Rail interface
- Material recycling and recovery

Project Description

This 1.9 acre 80 unit development comprising a mix of two storey domestic dwellings, associated gardens, and a six storey residential apartment block incorporating areas of public open space, proved an interesting challenge. The confined site boundaries, and the requirement to re-engineer made ground fills to depths exceeding 6m to present a suitable development platform for the proposed piled foundation solution presented sufficient challenges alone. This was suitably complicated by the need to treat the residual organic soils within the historic reservoir to reduce the leachate risk to controlled waters.

The Site team developed proposals to stabilise and solidify the impacted soils, issuing deployment notices supported by advanced tank test trials, to National Resources Wales (NRW), in compliance with the developer's independently developed remediation strategy.

Treatment of 1800m3 of impacted soils was successfully undertaken and the operation was subject to a full NRW site audit to verify compliance with Permitting Regulations 2010. The auditors reviewed all aspects of the site operations, including a full review of the site Materials Management Plan tracking data, waste management records, mobile treatment licences for the crushing and recycling equipment; and an assessment of operation covered under the deployment notice and praised the management team for their effective and fully compliant management of the site.

The site was completed on programme and budget to enable the development team to take possession as planned with full regulatory sign off.