

Moss Lane, Macclesfield (Phase 1)

Customer:	Barratt Homes Manchester Division	Value:	£1.65M
	4 Brindley Road, City Park, Manchester, M16 9HQ	Contact:	Ian Hilliker

Scope of Work

- Asbestos Removal & Demolition
- Site Clearance
- Hard material recovery & recycling
- Cellular excavation of made ground
- Peat extraction & disposal
- Cellular re-engineering of made ground
- Deposition of quarried fills to achieve design levels
- Segregation and bioremediation of TPH/PAH contamination
- Installation of site won capping to roads and pile mats
- Full strategy, regulator liaison and validation



Project Description



The 4.4Ha site comprising, former vehicle maintenance yard, Silk FM radio station, a waste transfer and material processing station and offices and storage areas, was released in 3 phases, the initial phase released in 2017. The principal use of the site has been as a waste treatment works for the last 40 years.

The site was underlain by various depths of peat, being located on the NE edge of Dane's Moss. With surcharging options discounted the preferred strategy to limit settlement liabilities was to remove suitable engineering overburden, excavate the underlying peat and replace with suitable imported engineering fills and segregate and bioremediation of hazardous levels of TPH/PAH contamination, whilst removing limited areas of gross coal tar and associated LNAPL, specifically within phase 1, to meet tight programme targets.

The phased release, with phase 1 being downgrade hydraulically from the rest of the site also required phases to be subject to separate and distinct site investigation & remediation strategies, with the vulnerability of completed areas and the wider environ, from residual contamination in phases 2 & 3, a concern for the Environment Agency, controlled by the installation of impermeable soil barriers along each phase boundary.

Works commenced on site in early 2017 and are to be completed over three phased visits as Henshaw's Waste Transfer Station will remain operational into 2018.

Phase 2 handover for the next phase of SI and strategy development is programmed for October 2018.