

Former Bridge Mills Tintwistle



Customer

Barratt Manchester

Address:

Brindley Place
Brindley Road
Manchester
M16 9HQ

Value:

£1.0M

Contact:

Kevin Furey Director (Barratt)

Project Description

Acquired by Barratt Manchester for residential development of 120 units the site was originally a cotton mill prior to 1872, expanding through the 20th century to include rail infrastructure prior to demolition between 1975 & 1992. The site included mill buildings and a large area of lagoons, described variously as mill ponds and settling tanks.

The site was subsequently registered as a landfill (construction and demolition materials) and filled throughout the 1980s, before more latterly being used as a precast storage facility.

Bordered by the River Etherow to the south, the remediation strategy was particularly concerned with the risk to controlled waters, with adjacent river levels approximating the base of made ground landfilled across the site.

Measures to protect the adjacent water course and the need for 24/7 access across the site for United Utilities necessitated careful phase planning to ensure soils were re-engineered adequately to maintain the integrity of the development infrastructure.

Works were carried out on a cellular basis to excavate and re-engineer over 200,000m³ of screened/processed fills systematically, whilst ensuring full validation of the replaced soils and investigation of the relic features targeted by the site investigation.

The discovery of an uncharted live culvert at the base of the excavation presented an additional challenge to the prevalent peak district weather in early 2019 necessitating a number of phasing and operational revisions to mitigate the impacts on the overall development programme.

Monitoring of water quality within the River Etherow was carried out in tandem with dust, noise and vibration monitoring throughout the project to demonstrate to the Environment Agency and the Planning Authority's Environmental Health team, that the ongoing remediations works had no detrimental impact on the local environment and adjacent community.

The earthworks were designed and managed in conjunction with the Barratt Technical Department to provide a residual low area for development arisings, thereby mitigating movement of wastes to landfill. All materials movement were covered by a materials management plan (DoWCoP), and fully validated independently with full regulatory sign off.

Scope of Work

- Full depth re-engineering to 9m of former landfill site
- Processing of wastes to maximise recovery
- Management of contaminated / asbestos impacted soils
- Significant site dewatering
- General Cut/Fill Earthworks
- Invasive Weeds Management
- Maintenance of 3rd party access through works

