

## Plox Brow Tarleton, Lancashire

<b>Customer:</b>	Barratt Manchester	<b>Value:</b>	£400k
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### Scope of Work

- Site Clearance
- Pre-demolition Environmental Clean
- Pre-commencement soils investigation to assess settlement characteristics & piled foundation design
- Asbestos Clearance
- Demolition and Service Coordination
- General site reengineering, material recycling
- Mass import under CL:AIRE MMP
- Settlement Monitoring
- Ecological constraints & extensive environmental monitoring
- Phased remediation strategy design, verification and sign off



### Project Description



The former cotton mill site off Plox Brow, Tarleton, Lancashire, was granted planning consent for residential redevelopment in early 2014 with the infrastructure design requiring the need to raise the site by more than 1.5m requiring an import of circa 20000m3 of engineering fills into the constrained site.

UR carried out advance site characterisation to assess projected settlement issues by cone penetration testing which also sought to inform the client's foundation design.

Works were severely hampered in the early stages by nesting birds resulting in out of sequence demolition and earthworks. Adjacent residential properties necessitated vibration and dust monitoring and partial demolition and spread of asbestos materials by the vendor required an advanced environmental clean ahead of site demolition/remediation works.

The required imported validated fills were sourced locally from 7 different sources under the site materials management plan and the site team coordinated deliveries with both local businesses, utility diversions and liaised on a regular basis with the residents of Plox Brow, the approach road to the site.

Other areas of concern included underground fuel storage and contamination associated with the boiler house and electrical substation, which formed part of the national network.



Working with the developer, Urban Regen delivered the site in a series of phases, with full geotechnical assessment and settlement monitoring completed to advance roads and sewers ahead of piling and plot development. Due to constraints within the SW drainage system the team recently completed a small secondary visit to finalise an outstanding area of the site, with secondary validation and sign off from the local authority.