

Project Profile: Kimberley, Residential Development

Former Site Use: Former Bus Depot

Value: £35,000

Client: Armac

Location: Kimberley, Nottinghamshire

Remada

Due Diligence

Desk Study

Intrusive Ground Investigation

Human Health Risk Assessment

Water Resource Risk Assessment

Mining Risk Assessment

Preliminary Foundation Design Recommendations

Remediation Strategies & Method Statements

Pre-acquisition Advice

Abnormal Cost Assessment

Materials Management Plans & Declarations

UST Decommissioning

Soil Bio-remediation

Soil Stabilisation

In-situ Groundwater Remediation

EA Remediation Permit

Verification & Completion Reports

Soil Treatment Facility

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Remada was commissioned by Armac Group to conduct a site investigation of former brewery and colliery site, as part of a demolition and remediation scheme in preparation for a residential development.



Remada designed a geotechnical and geoenvironmental ground investigation to assess former mine workings and potential contaminants. The scope of ground investigation comprised:

- Utilities avoidance
- 6 No Comacchio boreholes to 10m
- 12 No window samples
- 6 No trial pits
- 10 No rotary holes to 30m
- Chemical analysis
- Geotechnical classification and strength tests
- Waste classifications
- Gas monitoring
- Groundwater monitoring

Three distinct geological formations were encountered in the differing parts of the site with coal measures dipping beneath limestone. Edlington and Cadeby Formations in the north of the former brewery were found to provide a competent formation for the proposed development.

In the southern lower part of the site three colliery shafts were known to exist with the Cinderhill, Mainsmutt and Comb seams being within 30m of the ground surface.

In the east of the site a former railway



embankment and cutting also gave rise to concern for asbestos contaminated spoil heaps.

Remada provided a combined Factual & Interpretative Geoenvironmental & Geotechnical Report, a separate Coal Mining Risk Assessment.

One output of the work was to quantify remediation costs as part of the client's demolition and remediation contract.

