



Environmental
Geotechnical
Specialists



COMPREHENSIVE GEOTECHNICAL & ENVIRONMENTAL ENGINEERING SERVICES
DELIVERED USING OUR OWN DRILLING RIGS / CREWS / SOILS LAB / ENGINEERS

CASE STUDY 10

Gasworks Huddersfield

// BACKGROUND

This project was completed under a specification provided by our client in a formal tender process.

// SCOPE OF WORKS

The technical requirements included provision of:

- GPR survey of location positions
- Coal Mining Investigation – 3 No. rotary open boreholes across site to a maximum depth of 30m below ground level. Grouting/reinstatement on completion of boreholes.
- 15 No. windowless sampled boreholes and 5 No. cable percussive boreholes (to a max. depth of 20m)
- Machine dug trial pits to locate foundations to former buildings on the site. Mark-out former building substructures on topographical plan for the site.
- Installation and readings of 20. No gas monitoring/ groundwater monitoring points.
- Laboratory testing
- Completion of geoenvironmental report followed by a remediation statement
- Organising car park reinstatement with groundworks contractors on behalf of the client.



// DELIVERY TIMELINE

| Date | Action |
|----------------|--|
| 17 Feb 2021 | Issue UXO Preliminary Report. |
| 5 Mar 2021 | Issue Phase 1 Desk Study. |
| 8-11 Mar 2021 | ON SITE Windowless sampling boreholes. |
| 15 Mar 2021 | ON SITE Machine dug trial pits. |
| 15-23 Mar 2021 | ON SITE Cable percussive boreholes. |
| 26 Mar 2021 | Issue Flood Risk Assessment |
| 6-8 Apr 2021 | ON SITE Rotary boreholes for coal investigation. |
| 30 Apr 2021 | Issue Geoenvironmental report. |
| 7 May 2021 | Issue Remediation statement. |



// PROJECT PERSONNEL

| Role | Plant Type / Job Title | Training Qualifications |
|---------------------------|--|--|
| DRILLING Crew of 2 (x3) | PREMIER TRACKER 110 Drilling Rig DANDO TERRIER Drilling Rig LIGHT CABLE PERCUSSIVE Drilling Rig GEO205 Drilling Rig | All operatives have been trained in the use of the equipment. CSCS, First Aider. NVQ Land drilling (where applicable). |
| EXCAVATION Crew of 2 (x2) | JCB 3CX | CPCS (dumper driver) |
| SUPERVISING ENGINEER | Scott Alexander (engineer / manager) | BSc, FGS, SSSTS, Cat 4 Trained, First Aider, CSCS. |
| PRINCIPAL RGS ENGINEER | Steve Rogers, Technical Consultant | CEng, CGeol, MICE, MCIHT, FGS. |
| CONTRACTS MANAGER | Emma Lewis, Managing Director | LLB, ACIEH, SSSTS |



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