



Earth Science Partnership

Consulting Engineers | Geologists | Environmental Scientists

Case Study: Project Riverside, Merthyr Vale.

Client: Alun Griffiths Ltd

Delivery Period: 2014

Principal Staff and Points of Contact:

- Giles Sommerwill, CGeol & CL:AIRE QP
- Danilo Bettosi, Operations Manager, FGS
- Daniel Thomas, Resident Engineer, FGS

Project Description and Overview:

Proposed road development to include highway bridge, foot-bridge, tie-in roundabouts and flood defences. ESP were engaged to provide ground investigation services to classify the shallow and deep geology comprising:

- Resident engineer supervision.
- Borehole and trial pit logging.
- Trial Pits.
- Dynamic Sampling.
- Dynamic Cone Penetrometer Testing.
- Cable Percussion and Rotary Boreholes.
- Cone Penetration Testing.
- Geotechnical laboratory testing.
- Geoenvironmental laboratory testing.
- Instrumentation of wells with standpipe installations, groundwater piezometers and ongoing monitoring.

Services Provided:

- Ground investigation contracting and consultancy.
- Safe working methodology in and around historic landfills and existing infrastructure.
- Detailed ground investigation reporting.
- Ongoing field Monitoring.

Outcomes:

Through detailed liaison with the client and designer, ESP has delivered quality investigation services. There was a high importance on data quality, strict cost control, liaison with stakeholders and multiple sub-contractors.



Key skills

- Site Investigation and Geotechnics
- Earthworks Materials Classification
- Geological Assessment
- Field engineer support
- Borehole and trial pit logging
- Contracting and consultancy
- Field monitoring