

Commercial Site – Long Term Investigation



CLIENT : Major Developer

PROJECT TITLE : Commercial / Leisure Development

CONTRACT PERIOD : 6 years

ECUS was commissioned by a major local developer as Geo-environmental Consultant for a proposed leisure and retail centre development in Worksop.

The site is located on a former sandstone quarry which has been infilled with domestic refuse. This presented a number of environmental and geotechnical challenges relating to foundation and drainage construction and design.

ECUS undertook environmental investigations including:

- Long term gas monitoring;
- Soil contamination analysis;
- Leachate chemical analysis.

ECUS undertook geotechnical investigations including:

- Rotary open hole drilling;
- Cable percussive boreholes;
- Borehole soakaway tests;
- Trial pit soakaway tests;
- Trial pitting to locate the quarry high wall;
- Dynamic probing.

The long term nature of the project has allowed a variety of investigative techniques to be used, giving the client a range of options for soakaway and foundation design at the site.



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