

## CASE STUDY

## SITE INVESTIGATION

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### PROJECT:

South Dalmarnock Integrated Urban Infrastructure Framework

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### PROJECT VALUE:

£150,000

### PROJECT TIMESCALES:

2 months

### DATE AWARDED:

2015

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### OVERVIEW:

**As part of their ongoing regeneration works, Clyde Gateway aim to redevelop the site for a combination of residential, commercial and industrial uses. The site forms the significant component of the Masterplan for the Dalmarnock Area.**

**Former industrial land uses have been located on the site for a significant period of time and it is considered that site assessment and potentially contamination remediation is necessary on the site to allow redevelopment to be realised.**

**ERS was responsible for carrying out a land-based ground investigation for risk assessment, construction and design purposes of the proposed redevelopment of the area.**

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### WORK UNDERTAKEN:

The aim of the investigation was to obtain information with respect to the contamination encountered at the site, as well as providing baseline information on ground conditions. Furthermore, the drilling, installation and monitoring of a network of gas and groundwater monitoring wells, and surface water sampling was required.

The scope of works comprised

- 23 No cable percussive boreholes to 10m bgl
- 7 No rotary cored boreholes to between 35.0m and 41.0m bgl depth
- 38 No trial pits
- In-situ testing comprising falling head permeability tests
- Gas & Groundwater monitoring
- Geotechnical and Geochemical Laboratory testing
- 12 No. Trial trenches across existing roads and pavements to expose and survey services.

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## WORK UNDERTAKEN CTND:

- Boreholes were all installed for gas and groundwater monitoring
- ERS produced a factual report of the works with soil and rock descriptions to the relevant British and Eurocode standards.
- Provision of traffic management including road closures and application for road opening permits

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## RESULTS:

ERS successfully completed the project on-time and within the allocated budget, thus ensuring that the client and their team received critical factual information on the ground conditions present on the site in a timeous manner. This in turn allowed an accurate budget and scope of works to be prepared for remedial requirements on site and also facilitated the preliminary foundation design of proposed buildings and structures.

ERS forged a good working relationship with the local community by liaising closely with them verbally on a daily basis. By maintaining clear lines of communication and providing up to date information on our programme and proposed road closures, the numerous tenants affected by our works, these included Police Scotland, the travelling community and various other small business in the area, were able to maintain continuity in their businesses and lives whilst we undertook our intrusive works.