



The derelict Smithston Building located in the south-west of the site (Fairhurst, 2016)

Causeway Geotech were appointed by Fairhurst to carry out ground investigation works for provision of geotechnical and environmental information to characterise ground conditions across a 18 hectare site situated in Branchton, Greenock.

The site comprises an old hospital development consisting of a number of buildings, access roads and open grassland areas with the intention of being redeveloped into a housing development.

The scope of works included:

- 5 boreholes by cable percussion boring
- Geobor S wireline coring at four locations
- 9 boreholes by dynamic windowless sampling
- 37 machine dug trial pits

Ground water and gas monitoring was carried out on six occasions following installations at four locations. Continued monitoring will give an indication of the seasonal variation in groundwater level.



Trial pitting underway at location TP36 in the south-east of the site.

RAVENS CRAIG HOSPITAL REDEVELOPMENT Ground Investigation

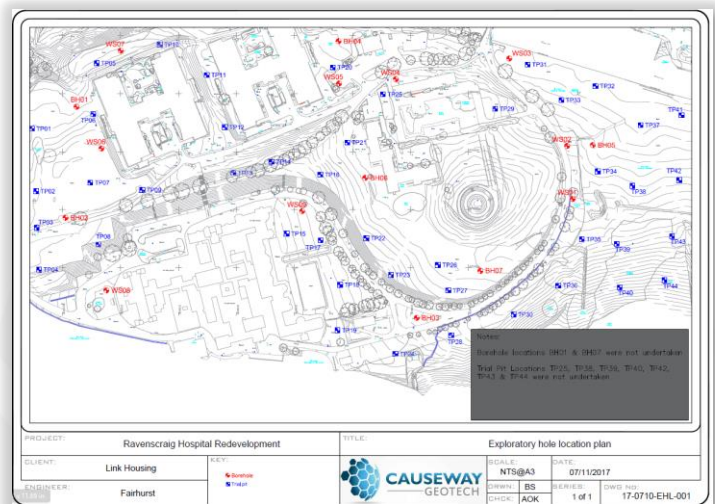
Project Information Project: 17-0710 August 2017

RAVENS CRAIG HOSPITAL REDEVELOPMENT GROUND INVESTIGATION

Client: Link Housing

Client's Representative: Fairhurst

Site operations: August to September 2017



Exploratory hole location plan showing all site intrusive locations across the Ravenscraig Site

Geotechnical testing was carried out on many samples across the site to determine the overall ground conditions of the proposed land. Extensive environmental testing on soil and water samples were carried out on a range of determinants including:

- Metals,
- Speciated total petroleum hydrocarbons (TPH)
- Speciated polycyclic aromatic hydrocarbons (PAH)
- Cyanides
- Phenols
- Asbestos screen
- pH

Waste Acceptance Criteria (WAC) testing was also carried out on selected soil samples to classify materials for offsite disposal.

A factual report was issued following completion of site works and laboratory testing.

The project was completed on schedule.