

How can we help?



Geo-Environmental

Our Basement Impact Assessments identify issues in the ground that you may encounter with your basement development, as well as the potential impact that your development will have on the flow of groundwater locally. This will help you to mitigate planning concerns and objections, saving time and money.

Relevant Expertise - our Basement Impact Assessments are already used and accepted by Councils and Residents Associations across London and the South East. The geotechnical and hydro-geological knowledge required has been accumulated over more than 5,000 site investigations.

Technical Expertise - established experts in providing geotechnical and hydrogeological advice for basement developments to the public and private housing sectors since 1996. Our team of Directors alone have over 60 years experience.

Insurance - we have £5M Professional Indemnity, £10M Public Liability and £10M Employer's Liability

Health and Safety - our health and safety systems have been audited and approved by our external quality auditor, Construction Line and CHAS. We supply work method statements, risk assessments and health and safety plans on all our sites.

Flexibility and timeliness - we understand that any individuals or developers have limited time windows in which to work.

What problem are we helping you solve?

For many houses in the UK it is not possible to extend their property upwards and outwards. Increasingly home owners and developers are looking to build downwards, with basement developments becoming increasingly more popular.

Ground conditions and groundwater can have a real effect on the feasibility of any new basement development.

A professionally produced **Basement Impact Assessment** which considers the geological and hydro-geological issues that may impact your development will help to mitigate planning concerns and objections, saving you both time and money.

If we can be involved early in your planning and pre-construction processes, the sooner we can identify potential issues and create solutions to mitigate them.



Geo-Environmental

We Value:
Quality
Health and Safety
Environmental Management
Sustainability
Equal Opportunity

Are you considering building a basement?



Members of

AGS Association of Geotechnical & Geoenvironmental Specialists

CL:AIRE
CONTAMINATED LAND: APPLICATIONS IN REAL ENVIRONMENTS

iema
Institute of Environmental Management & Assessment



ace
consultancy engineering business environment

Contact Us

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Preventing delays in planning and construction

Identifying ground and groundwater risks before they become a problem

Excellence in Geotechnical and Environmental Services

We are a trusted supplier of choice for Geotechnical and Environmental Services for our customers by delivering consistent quality and reliability, taking seriously our obligations to operate safely and sustainably, valuing and supporting our workforce and delivering value for money for our customers.

INDUSTRY SECTORS

- HOUSING DEVELOPMENT
- COMMERCIAL DEVELOPMENT
- EDUCATION
- HEALTHCARE
- CHARITIES AND RELIGIOUS ESTABLISHMENTS
- LOCAL AND CENTRAL GOVERNMENT
- RAIL, TRANSPORT AND UTILITIES



THE BASEMENT IMPACT ASSESSMENT

Our Basement Impact Assessment will normally comprise of a desk study of geotechnical and hydrogeological factors pertaining to the site, including a review of available borehole records, and an examination of other available sources of geotechnical and hydrogeological information relevant to the site.

Quite often our assessment will include a Phase II intrusive investigation where boreholes are drilled to obtain samples for geotechnical and environmental laboratory testing, and to install landgas and groundwater monitoring pipes.

WE CONSIDER THE FOLLOWING:

When designing a basement there are a number of different engineering parameters that need to be considered:

- **Geology** - the soil and rock underlying the site of the proposed basement and how these will impact the basement design and construction.
- **Hydrogeology and Hydrology** - the presence of groundwater, its movement, distribution and quality and how this will be affected by, and its affect on the construction of the basement, including the requirement for tanking.
- **Third Party Issues** - the location and construction of foundations, both on-site and neighbouring properties and their influence on the design and cost of the basement.
- **Landgases** - how these could affect the construction and future use of the basement. Land gas can arise from a variety of sources, both natural and man-made. Examples include methane and carbon dioxide.



SELECTED CUSTOMERS

- | | |
|--------------------------------|-----------------------------|
| ASPREY HOMES | SKANSKA UK PLC |
| DIOCESE OF SOUTHWARK | BERKELEY HOMES |
| BUPA | BARRATT HOMES |
| BRIGHTON AND HOVE CITY COUNCIL | LINDEN HOMES |
| LONDON BOROUGH OF HARROW | BELLWAY HOMES |
| DIOCESE OF ROCHESTER | ANGLO HOLT CONSTRUCTION LTD |
| BLACKLANDS PRIMARY SCHOOL | L.B.OF RICHMOND UPON THAMES |
| GREY COURT SECONDARY, RICHMOND | TRANT CONSTRUCTION LIMITED |
| | HILLREED HOMES |
| | WILLMOTT DIXON |

NEED TO TALK TO AN EXPERT?

GLYN EVANS
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GAVIN ROBERTS
 Technical Director
 C.Geol, M.Sc, B.Eng(Hons), F.G.S.



IN OUR ASSESSMENT WE CAN DELIVER ADVICE TO SUPPORT:

- Foundation Designs
- Excavations
- Basement Construction
- Basement Retaining Walls
- Mitigation measures for landgas and ground contamination
- Waste Acceptance Criteria

PRICING:

• All pricing is dependant on the size and extent of the development and the site specific conditions at each location. However prices start at £350 excl VAT for our most basic desk study with no intrusive investigation.

