



Basement Impact Assessment & Surface Water Drainage Design



Reading office were commissioned to undertake a Basement Impact Assessment (BIA) and surface water management drainage design (SUDs Report) at a private residential development in West London. EEGSL were contacted after a previous consultant was unable to complete the works to the clients specification. EEGSL undertook ground investigation works including a 10m cable percussive borehole, a series of gas and groundwater monitoring visits and soakaway testing (BRE 365 Standard).

As with all BIA's completed by EEGSL, a preliminary hydrogeological ground model was compiled alongside a review of flooding risk and geotechnical assessment. The resulting BIA and Geotechnical Report were used by the projects structural engineer to inform the basements construction and design.

The site investigation was supervised full time by experienced Earth Environmental Consultants and all fieldworks were carried out in accordance with BS 5930:2015 Code of Practice for Site Investigations.



The works culminated with the production of a detailed Basement Impact Assessment and Interpretative Geotechnical Report and a Surface Water Drainage Design Report providing recommendations on :

- Basement construction design and methodology
- Geotechnical design information
- Surface water management and discharge



CLIENT: Confidential

LOCATION: West London

VALUE: Confidential

ACTIVITIES: Geo-environmental Site Investigation and Basement Impact Assessment

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