

Claridges Hotel, London

Our Services

- Site Investigation
- Settlement Analysis
- Foundation Design and Basement Design



Geotechnical Investigation and Design

The Mayborne Hotels Group wished to expand the bedroom provision at the prestige Claridges Hotel. In order to allow this the existing single storey basement beneath the listed Art Deco extension was to be lowered to allow an additional three storeys of basement for plant room and support facilities.

CGL undertook the intrusive investigation through a 1.2m thick raft foundation dating from the 1920's working with the hotel to minimise noise and disruption to their clientele. Work included hand dug trial pits, coring and boreholes/window sampler holes taken to 20m or so below the basement slab.

On completion of the geotechnical; interpretative report **CGL** provided analysis of basement heave predictions, boundary wall movements and temporary works scheming design for the innovative construction method

planned. Methodology analysed contemplated the use of vertical shafts and the use of horizontal galleries driven out to form basement areas controlled by instrumentation driving the observation technique necessary in such a complex operation.

CGL liaised closely with the structural engineer at all times in providing schemed drawing and methodology and initial discussion with Party Wall Engineers.

Client: Mayborne Hotels Group