

# Park Tower Hotel, Knightsbridge - Restricted Access Piling

## About the Project

Situated in one of London's most prestigious locations, the 5-star Park Tower Hotel resides amongst luxury goods shops, high-end restaurants and exclusive residential properties.

The hotel decided to extend and revamp their ground floor entrances and first floor podium to house a new Steakhouse from a well known social media chef and restaurateur. The scope of works involved the creation of the new restaurant area, plus an additional roof garden finished to a watertight shell and core ready for fit out by the restaurant team.

Working for sister company "DE Group Contracting", we completed this restricted access piling project in late 2019. This involved the design and installation of 15nr 300mm diameter case and auger piles to depths of up to 26m for this obstruction laden development. Piles were grouted using a site batched sand/cement grout mixed and pumped by a colloidal CX4/10 mixer.



## Project Challenges

The project, situated on the busy through-fare of Knightsbridge, resulted in limited access to south side of the site. To mitigate this a small piling rig was used for the piled foundations of the restaurant columns.

With reinforced concrete, road plates and steel beams encountered at various depths of up to 6m, this took its toll on both the drill rig and the equipment, with some 75 hours of unexpected obstruction drilling experienced. Managing to maintain a steady supply of tungsten carbide tipped cutting shoes and auger teeth was a task that fortunately never held up the site operations. The depth to London clay was also a significant 11m, which required the torque of the Hutte 203 to seal off the temporary casings to allow auger boring to depth in dry conditions.

An additional challenge was the hotel remaining fully operational during the works. The works to each of the main entrances had been phased and sound reducing hoarding was placed around the working areas to minimise any disruption to the guests. Strict health, safety and traffic management measures were also in place to ensure that members of the public were kept remote from any potential hazards.



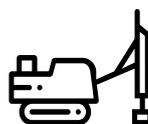
### Value

£110,000



### Programme Duration

5 Weeks



### Nature of Works

Restricted Access  
Piling



### Client

De-Group  
Contracting