

The Montenotte (Country Club) Hotel Montenotte, Cork

Rotary Piling

Client: Country Club Hotel • Main Contractor: Bowen Construction



PROJECT SUMMARY

The project involved redevelopment and construction of a large extension to the Montenotte Hotel (formerly “The Country Club”) in Cork City. This €20 million project included a total of 114 bedrooms, 19 two bedroom apartments, banquet and conference facilities and a state of the art Leisure centre.

CAINWHITE SOLUTION

CainWhite was responsible for the design and installation of 350mm rotary piled foundations for the new extension. It also included the installation of small diameter mini rotary piles using a low head height mini rotary piling rig. Site conditions imposed severe access restrictions and necessitated the use of specialised plant.



The ground conditions on site consisted of stiff clays overlying limestone bedrock. Due to the variability of the rock quality across the site and the depth to the rock head, the engineer required a rotary piled solution socketed into rock.



For the majority of site, 350mm rotary piles were installed using Down-The-Hole-Hammer (DTH) rotary drilling techniques ensuring a minimum 2m socket was achieved into competent rock.

As part of the refurbishment of the existing Hotel, rotary piles were installed in an area with a head height restriction of 3m. The piles were installed using our low head height mini piling rotary rig and a 220mm DTH.

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