

RIVERWALK HOUSE

Client: Ronson CP | Duration: 48 WEEKS | Value: £3,800,000

Cantillon recently delivered the demolition, earthwork support and bulk excavation package at Riverwalk House for Ronson Capital partners and Sir Robert McAlpine. Situated in Pimlico, the project was bounded by Millbank, the River Thames and Vauxhall Bridge.



The project involved the demolition of a 13 story office block and a 2 level basement alongside the River Thames in Pimlico. On completion of the demolition, Cantillon worked in conjunction with and attended the piling contractor in advance of undertaking the bulk excavation and propping scheme.

The impact of demolition on the local community was considered in advance of the works commencing. Noise modelling was undertaken and where areas of excessive impact were identified, additional acoustic reduction measures were introduced. Consultation with WCC and the Environmental agency at an earlier stage informed the development of the methodology, particularly in relation to the relationship with the flood defence.

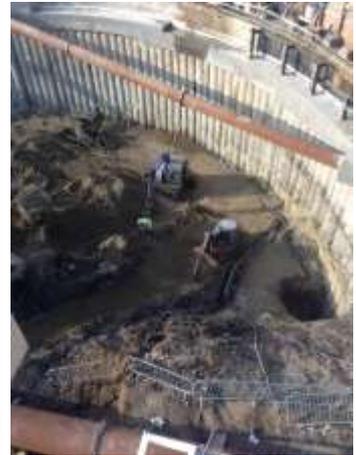
The team met with various local interest groups to explain the demolition process. An open door policy and regular news letters ensured that information between the site and residents was maintained.

Various demolition methods were considered by the team. Given the proximity of the building to the Thames and flood defences, floor by floor techniques were utilised. The building was wrapped within a demolition scaffold and monarflex protective sheeting. Demolition materials were cleared as work progressed to ensure floor loading limits were adhered to. Dedicated internal chutes were formed to remove demolition arising's with a mobile crane utilised to lift heavier structural elements to the processing area at ground floor.

UKPN's basement substation remained in place during the demolition process. The demolition process took account of this and protective measures were put in place to maintain its integrity.

Contig piled walls were placed following the initial reduced dig and the installation of trench sheet retention. The reduced dig continued and flying shores were progressively installed. An aggressive bulk excavation programme enabled an early commencement of the substructure package.

A hydro cyclone dewatering process was utilised during the course of the groundworks. The process cleans the water as it is removed allowing it to be discharged directly into the public drainage system.



“The Cantillon team at Riverwalk have successfully delivered this challenging project in a professional manner, with pro-active site managers and supervisors, and an engaged and conscientious workforce.”

Nicky Rance, Construction Manager - Sir Robert McAlpine