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Case Study

NEW BUILD BASEMENT WATERPROOFING DIG OUT PROJECT

Holland Park - London W14

New Build Basement Waterproofing Project - Dig out project with New Basement area created.

History

This property in Holland Park London is a large townhouse which is being renovated to maximise space for the client. The main contractor Oliver Lane Fox proposed the digging of a new basement under the footprint of the existing property. In addition, the proposal was extended into extending the basement out into the garden area.

Methodology

Once the developers/builders had underpinned the existing footprint and built the new basement out of reinforced concrete, Newton Specialist Basement Contractor LSE Building Preservation were brought in to design and install a robust and cost effective waterproofing solution. The complexities in waterproofing details involved with the project needed both Type A "tanking" and Type "C" cavity drainage to achieve the degree of water tightness required. Newton System 500 was installed to the internal retaining walls of the build with minimal fixings and the Basedrain was rebated in at wall floor junction. Newton 500 was then installed on the floor and the Basedrain terminated into 3 sump chambers with NP400 primary pumps and NP150 battery back up facilities.

As the garden basement was completely retaining 2 forms of Type A waterproofing were applied to the flat soffit and then a drainage membrane was installed before the garden was replaced.

Result

This luxury townhouse was protected with skilful and robust structural waterproofing and as there was minimal internal preparation required other trades could interface and the job was finished on schedule.

The Benefit

Newton Specialist Basement Contractor LSE Building Preservation could guarantee both types of waterproofing systems used. The ability to offer complete design and installation liability took all the pressure off the architect and offered the end client the highest degree of guarantee protection available.

CONTRACTOR: LSE Building Preservation Limited

