



### Project details

**Client:**  
Hill Partnerships Limited

**Project works**  
Basement waterproofing protection strategy

**Work status:**  
Completed

Barlby road is an existing primary school building site to be demolished and construct four new residential apartment blocks (A,B,C,D) of up to eight-storeys in height, three of which will include a basement extending to a depth of about 5.50 m.

The site is located in Royal Borough of Kensington and Chelsea, approximately 995m southeast of Kensal Green London Underground station and approximately 760 m to the north-northwest of Ladbrook Grove London Underground station.

SWS were appointed to provide the basis for the basement waterproofing protection strategy for the proposed residential development at Barlby Road, London.

### Solution

To meet with objectives, risk assessment was carried out to determine a waterproofing strategy that best works with the building structure to achieve current guidelines as relates to BS 8102: 2022.

RIBA Stage 3, supporting documents, drawings, information, and methodologies were used to devise the waterproofing strategy.

SWS took into consideration, ground water levels and ground gas conditions to provide suitable waterproofing and gas proofing methods.

