

CLIENT
PROJECT
ARCHITECT
VALUE
SCOPE OF WORK

Grange Hotels
Prescot Street, London
Buchanan Associates
Comprehensive underground drainage design



Grange Hotels appointed NLG Associates to design a comprehensive underground drainage scheme for their latest flagship development in Prescot Street, London E1.

NLG Associates first task was to gather information from the utility suppliers, and identify depths of existing services in order to avoid clashes with the new building sewer outfall connections.

As no above ground building services consultant was appointed when we undertook our drainage design, we had to review and assess all drain point locations including flow rates at basement levels.



We also had to undertake preliminary design reviews of the likely above ground soil and rainwater routes to enable us to locate sewer outfall locations. In order to size the sewer outfall connections, we had to preliminary size all the surface water run-off and foul water demand and base our sewer outfall approvals on these preliminary flow rates.

Due to the size of the project NLG Associates were able to negotiate with Thames Water Utilities five separate sewer outfall locations.



The basement areas contain a large auditorium and conference centre along with a luxurious health spa and meeting rooms. The plant room locations are also in the basement areas. The foul water drainage to the basement areas were collected and stored in vessels and emptied by dry well pumps to the sewer outfall locations.

