

# Case study 658

## Construction developed assists by Sykes' drainage pump hire

Before a major construction scheme in the central London area could commence, the contractor in charge of the project had to source some pumping equipment to ensure the dewatering was carried out properly.

Groundwater, rain and surface water had all contrived to stall the development and so a temporary pump hire solution was needed to get things back on track.

Our client had begun digging below ground in an attempt to lay foundations but quickly encountered water, preventing them from making the desired progress. At this stage, Sykes Pumps were drafted in and asked to provide a pumping arrangement that would guarantee that the water level was kept low enough to facilitate the dig.

An engineer visited the customer's Belgravia site to gain a better understanding of the application, eventually settling upon the use of four P501 electric submersible drainage pumps. This particular model of pump was selected because of its aptitude for performing at heads of up to 14 metres and flows of up to 7 L/sec. The P501 is also compatible with a standard 110V power supply which meant the pumps could be up and running as soon as they reached the location.

Our pumps proved extremely effective in negating the groundwater present and enabled the construction company to lay a concrete base as originally required. Without our intervention, the area would have remained submerged and stopped the project advancing to the next phase.



Model P501  
Motor type (V) 110 (1-phase 50Hz)  
Motor rating (kW) 0.75  
Max power input (kW) 0.9  
Running current (A) 7  
Discharge spigot 2" Bauer  
Dimensions (mm) 361 x 184  
Weight (kg) 14



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