

# Case study 634

## Road construction site needs pumps after flooding

When heavy rainfall occurs, the resultant flooding is likely to inconvenience both businesses and residents in the affected region. Torrential downpours also have the potential to disrupt development projects when site surfaces become submerged and thus unworkable. So when a major construction company was faced with this scenario following an extended period of rainfall in Hampshire, they contacted Sykes Pumps immediately.

A multi-million pound road-laying scheme was being repeatedly delayed because of conditions, preventing the expansion of a local transport system. Work could not proceed while the site was waterlogged and so a short-term pump hire was required to enable this to continue.

The main contractor had created lagoons at two separate locations, with a 6" super silent pump deployed in one and a 4" unit in the other. Both pumps ran on auto start which meant they were able to control and remove water from the vicinity each time it rained. A 4" hydraulic submersible pump was also used to help lay new drainage and was specifically chosen because of its manoeuvrability.

Our pump hire package was selected and delivered the day after receiving the enquiry, with installation carried out by a regional expert. Once commissioned, the pump arrangement would operate automatically to ensure that all working areas were dry each morning. This allowed construction to advance at a desirable pace and accelerate the completion of infrastructural improvements just a few miles from Portsmouth.



Performance Max head: 46m, Max flow:  
38 l/s, Max solid: 70mm  
Discharge 4" Bauer  
Weight Pump End: 55kg, Powerpack:  
95kg  
Dimensions (mm) Pump End: 465 x 350 x  
745 Powerpack: 1900 x 1100 x 1720  
Hydraulic lines 20 metres  
Fuel tank capacity 145 litres  
Fuel consumption 9 litres/hour  
Noise level @7m = 75 dBA  
Super silenced powerpack available



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