

# Case study 636

## Sykes Pumps assist sewage works extension

When a Lancashire town was made the subject of a multi-million pound development project, there was an immediate need for building a new sewage works to supersede the existing network. In order to connect a new sewer to the prevailing system, a temporary diversion had to be created which required the contractor to find a way of maintaining flow while new manholes were constructed.

This was achieved with the assistance of Sykes Pumps, who proposed the hire of two eight inch diesel units to help create a bypass system for the original sewer. The overpumping was then completed in two stages.

The first of these saw a shorter bypass simply intercept the existing sewer approximately five metres away from the newly-created manhole and divert it through an existing line because the new additional sewage pipework had not yet been created.

Once the new sewer was live, a stopper was placed along the original route to ensure heavier flows were safely controlled. Our pumps were then repositioned adjacent to the stopping point, transporting discharged effluent at ground level.

Failure to supply the correct equipment would have left a vast area flooded with unscreened waste, but our expertise and swift reaction averted an environmental disaster while a modern sewage network was constructed. The customer was delighted with our overpumping solution which saw our highly-trained technicians calculate the correct specification at the first time of asking and deploy the best solution possible



Performance Max head: 43m, Max flow:  
161 l/s, Max solid: 75mm  
Weight 2390kg with fuel, 2200kg without  
fuel  
Dimensions (m) 2610 x 1250 x 1535  
Noise level @ 7m = 65 dBA  
Fuel tank capacity 207 litres, Max 24 hours  
Pipe connections Suction: 8" Table D,  
Discharge: 8" Table D, Bauer couplings option  
Fuel consumption Full load @ 1800 rpm: 17  
litres/hour  
Energy Efficient duty point Fuel consumption  
@ 1500 rpm: 7.3 litres/hour



**SYKES PUMPS** 

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**0800 211 611**

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