

Case study 639

Sykes provide over pumping system for culvert relining

When a large culvert in Lincolnshire was no longer allowing water to drain away from a nearby housing estate, it was imperative that action was taken quickly in order to prevent further flooding. Excess storm water from the surrounding area was causing the duct to collapse quite frequently, so steps were taken to address the problem once and for all.

Our customer had a renewal programme in place and was contracting another company to reline each damaged section. We were, therefore, required to overpump the storm water and allow the contractor to install and cure their liner.

Due to the presence of residential property in the vicinity, we identified early on that a super silent pump hire would be necessary. Three Super Wispaset 200mm units were then delivered to our client's depot ahead of their planned weekend start on the project. This was arranged instantly and ensured the pumps were on site well ahead of schedule – along with hoses, Bauer fittings and road ramps.

The work was carried out in record time and enabled the road to be reopened earlier than originally envisaged. Our swift response was pivotal in avoiding the prospect of local residents being faced with long detours around the affected zone. All works were completed successfully and prompted the customer to ask us for a quote for a second phase of development, which is due to go ahead later in the year.



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



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