

Application Report - No.22



Road Ramp



Selwood solve a Dilemma for Wessex Water and keep the Pedestrian Shopping Centre in Bournemouth Open for Business.

When a sewer collapsed in front of Marks & Spencers in the Bournemouth shopping precinct, Wessex Water contacted Selwood, its Framework Provider for Pumping Equipment, to provide a solution. The Selwood Account Manager, immediately visited the site to discuss their requirements.

It was essential that the overpumping scheme was reliable, environmentally friendly, very quiet and that the overpump set up did not disrupt the general public using the facilities at the shopping centre. It was also important that the 60 metres of 8" pipework carrying the main sewer flow did not stop the pedestrians from crossing the street.

Selwood had the solution to the problem with the "Selwood Road Ramp" that is normally used for vehicles to drive over. This was fitted into the pipework to enable pedestrians to cross the street in a safe and easy manner.

The overpump was set up utilising 2 No. Selwood S150 Super Silent Pumpsets. The first pump was fitted as the duty pump with the second pump as an assist on standby mode, which would start automatically had the flows increased dramatically due to storm conditions. This gave the Wessex Water Engineers confidence that the system was capable of handling any additional flows even if they occurred overnight, as the second pump would automatically start. Because only one pump was handling the DWF a significant saving in fuel consumption on the second pump was made.

The S150 Super Silent is the most environmentally friendly and silent pump on the marketplace today.



S150

Power Requirement	24kW
Pump Speed	1600rpm
Capacity	320m ³ /h
Suction Lift	9.1m
Max Solids Size	100mm
Air Handling	24 l/s
Inlet / Outlet Port	150mm
Delivery Head	21.3m
db (A) at 7m	58



HEAD OFFICE
Selwood Group Limited
Bournemouth Road
Chandler's Ford
Hampshire S053 3ZL

