

Application Report - No.11



Overpumping



After an old main sewer collapsed in Leeds, Peter Duffy Limited were called in by Yorkshire Water to effect emergency over-pumping and sewer repairs. Effluent needed to be diverted whilst sewer repairs were undertaken from this major collapse.

The contractor created a sump and the installation of 8 x CS3300MT sewage submersible pumps was carried out by Selwood personnel.

The GDP pump risers were purpose built to the exact depth of the sump. This prevented the chances of pump vibration disconnecting the risers.

The discharge point was 80m away. Eight runs of 300mm hose were installed. These were fitted with air breakers to prevent hose collapse.

The pumps were controlled by 2 x Ultra Sonic Level controllers, which allowed constant monitoring of the effluent levels, and run in sequence to avoid undue pump wear and tear. A high level alarm was also fitted.

The contractor was able to successfully repair the collapse within a short space of time.

Because the pump installation provided by Selwood proved to be reliable, a decision was taken to extend the contract to allow other damaged areas to be renovated.



CS3300

Power Requirement	44kW
Pump Speed	4 pole
Running Amps	82amps
Flow	325 l/sec
Delivery Head	22m
Height	1915mm
Width	1500mm
Weight	1218kg



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