

Surface Water Pumping Station

JBD Tritec have recently completed an order for the design, manufacture and installation of 2off wet well submersible pumps, with associated guide rails, discharge pipework including isolation and non-return valves, a comprehensive control panel including software and variable speed drives mounted inside a weatherproof GRP kiosk, and 3off automated Rotork valves.

The new pumps and associated instrumentation were installed in the existing wet well chamber; the wet well chamber is fed from the overflow weir in the gravity main, so if the River Clyde is high and the gravity main backs up, the wet well chamber fills up and the pumps are activated and controlled by ultrasonic level control on a duty/assist operation.

These units are used for pumping the surface water within the existing wet well chamber to the River.

In the event of a fire or major spillage, the control panel activates and controls the 3 valves so that the spillage is contained on the site, and not discharged to the River.

The scope of supply was as follows;

- 2off submersible pumps, rated 150 litres per second (both running)
- 20m of pump power cable, 3m guide rail with brackets, stainless steel lifting chain.
- Ultrasonic level transducer with high high float switch
- Dual wall mounted control panel including variable speed drives.
- Separate indicator box for manual / auto operation of the Rotork valves.
- Road side weatherproof control kiosk, floor mounted, 2m wide x 1.75m high.
- 3off Rotork automated valves, 450mm, 100mm and 80mm.
- Kiosk has a light and frost protection heater inside.
- All site electrical wiring was carried out by JBD Tritec.
- Training was also provided to the site operatives.

