

Conlin Road Pumping Station

The Conlin Road Sanitary pumping station is a wet well/dry well configuration sanitary sewage pumping station. The station was designed and constructed to handle flows for approximately 15 years before expansion.

The station is a three-pump, wet well and separate dry well facility. The pumps are submersible style Flygt sewage pumps. The rated capacity is 362 L/sec. Influent is directed to two identical wet wells through manually raked coarse bar screens. Each wet well can be isolated from incoming flow by a 900x900 sluice gate. The two wet wells can be separated by a slide gate for individual operation. The pumps discharge through two 400 mm diameter forcemains to the meter chamber and from there through a 450mm diameter forcemain.

There is a standby diesel generator set that will supply sufficient power to allow the station to run at capacity (i.e. two of the three pumps running).

The control and monitoring system follows the Region's standard for sewage pumping stations. The control system provides for automatic, manual, and backup modes of operation, to provide enhanced operation reliability. The wet well level is the primary parameter used to control pump operation. Ultrasonic measuring units are used for measuring level in each wet well.



The station is un-manned, and communicates with a remote SCADA system for monitoring and control. SCADA communications are via a radio. A separate radio based alarm system is also provided.

Services provided:

- Preliminary Design
- Detailed Design
- Contract and Tender Preparation
- Tender Evaluation
- Construction Administration
- System Commissioning
- Operating Manual
- Post Construction Warranty