

Sealwall

Garnswllt Wastewater Treatment Works

The Brief

A new primary settlement tank was required as part of a major improvement scheme at Garnswllt Wastewater Treatment Works.

The tank would provide additional hydraulic capacity, helping the site accommodate future population growth, improve treatment performance and increase its pass-forward flow from 360 l/s to 431 l/s.

The Solution

Naylor Concrete supplied 75 precast Sealwall units to form the new 25m diameter, 4m high tank.

Lessons from previous installations were incorporated into the design and construction methodology, supporting a fast and accurate installation while meeting the tight 5mm tolerance required between units.

Project Details

Location: Garnswllt, South Wales

Client: Dŵr Cymru Welsh Water

Product: 4m high Sealwall precast units

The Outcome

The project team more than doubled the anticipated daily installation rate, allowing the tank to be constructed in record time.

Despite the tight tolerances, the tank was delivered right first time and passed all testing and commissioning at the first attempt.

- Fast and efficient installation
- Consistent dimensional accuracy
- A robust precast tank solution
- Support for tight project tolerances

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by Naylor Concrete



