

WALTERS

New Village for Bridgend



Project:

Parc Derwen

Client:

Persimmon / Taylor Wimpey /
Welsh Assembly Government

Value:

£5.8 million

At-a-glance:

- 450m of Section 38 loop road
- 1.75km spine road
- 4km storm and foul drainage
- 1.1km Section 185 sewer diversion

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Walters is accredited to ISO 9001 for Quality Management, ISO 14001 for Environmental Management and OHSAS 18001 for Occupational Health & Safety.

Challenges

Bridgend County Borough Council had allocated 85 hectares of land near Bridgend, South Wales, for the development of a new village. The plan involved funding and work from various stakeholders, including Persimmon, Taylor Wimpey and the Welsh Assembly Government, to create 1500 new homes and associated amenities in the Parc Derwen area.

The £225million Parc Derwen scheme was designed with sustainability in mind, and required a great deal of preparatory and infrastructure works before commencement of property construction - ensuring a successful development that can meet the aspirations of future residents and the commercial requirements of the assorted stakeholders.

Solution

On account of its established reputation for dealing with large-scale projects for many leading developers, Walters was appointed as the infrastructure contractor for the site.

The appointment called for the construction of a new pumping station, installed within a 9m deep, 4.5m diameter shaft sunk at the site, in addition to a 2,800m³ storm attenuation tank (in precast and reinforced concrete). This setup integrated with around 4km of storm drainage with associated attenuation lagoons, flow control structures and sewer diversions.

On the highways side, Walters was responsible for the construction of a Section 38 loop road and almost 2km of spine road as well as footpaths and cycle ways to encourage new residents to adopt more sustainable transport means in keeping with the environmental ethos of the site. A footbridge was also constructed by Walters, with the whole project completed on time and within budget.