Vasse Newtown

Location
Vasse, Australia

Client
Seaport Pty Ltd

Project Value
AUD$1000.0 Million

Start Date
January 2001

Office Responsible
Cardno BSD

Responsibilities
Civil engineering and town planning services.

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Project Scope

Seaport Pty Ltd is developing a new town for up to 7000 people at the small hamlet of Vasse which is located on the Busselton bypass and is the gateway to the famous Margaret River wine region of Western Australia. This is arguably the largest new town site in WA outside of Perth, with development proceeding on a number of fronts.

The project comprises the creation of a new town site in a greenfield development consisting of nearly 2000 residential lots, 130 light industrial lots, five school sites, medical,hospital and aged care and community facilities and two retail and commercial centres.

Cardno BSD as engineers for the project, as well as town planners for the light industrial area and coordinator of planning approvals, has overseen the development and implementation of the detailed drainage, nutrient and water cycle management strategies. These addressed complex water table and drainage issues that were of major concern to the approving agencies, using state of the art water sensitive analyses and designs,optimising the extent of drainage infrastructure and fill required for development.

Of no small feat was the engineering and approval of unique urban forms for paving surfaces, feature walls, water ways, road geometry and swale drainage in an agency environment where this was all unfamiliar technology. Other tasks included the investigation of a hybrid gravity/vacuum sewer system that will be adopted to reduce costs for both the developer and the sewer utility.

Cardno has worked closely with a large and dynamic consultancy project management team to achieve what is shaping up to be a leading edge world class development.