

# Redbank Motorway Estate, Ipswich QLD

Case study – DN3000 pipes





# Massive DN3000 pipes deliver maximum flow capability for large industrial development

Redbank Motorway Estate is a modern logistics and manufacturing development covering over 100 hectares of land on the Brisbane River at Redbank, 20km southwest of the Brisbane CBD.

Goodman Property Services engaged Shadforth to construct lead-in infrastructure for the development including construction and upgrade of external roads as well as sewer and stormwater works.

The massive site with substantial hardstand areas required some very large diameter stormwater pipes to handle the huge flows that could be generated in a Queensland storm event. Knowing Humes' capabilities and production rates would be up to the task, Shadforth engaged Humes to supply over 200 metres of DN3000 reinforced concrete pipes for the project.

The site also offered additional challenges including a huge fall in the stormwater line, aggressive soil conditions and exposure to saltwater as the pipes discharge directly into the tidal Brisbane river. Humes was able to meet these challenges and supply 125 pipes with freshwater cover, 5 pipes with salt water cover and all with a 100 year design life.

By staying in constant communication with Shadforth throughout the project Humes was able to manufacture and supply the pipes to their agreed schedule. Installation of the large non-standard pipes went smoothly with up to 16 pipes being laid per day, allowing all critical milestones to be met.

## Project

Redbank Motorway Estate,  
Ipswich, QLD

## Principal

Goodman Property Services

## Civil Contractor

Shadforth

## Product supplied

130 no. DN3000  
stormwater pipes



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