

NORTHERN ACCESS ROADS PROJECT

Bridge Drainage - Brisbane

In 2009 over 1.8 Km of StormPRO® was installed in the Northern Access Road project for bridge drainage as part of improvements to access Brisbane airport.

The project, managed by Leightons Contractors included a bridge drainage system which required pipe to be installed and suspended 15-20m above ground level as part of the bridge network.

To fulfil the requirements in PE would have required nearly 200 fabricated junctions to catch the scupper drainage pipes, suspension and welding of the 12m PE pipes at a considerable height above ground level.

Instead, 225mm StormPRO® drainage pipe and PROgrommets™ were incorporated into the project design.

Ease of installation, the lightweight nature of the pipes allowing StormPRO® to meet the site OH&S requirements and UV protection were the key features which gave the StormPRO® stormwater pipe the edge.

Vinidex StormPRO® pipes are twin-wall, corrugated polypropylene pipes for non-pressure applications. Utilising modern co-extrusion techniques, StormPRO® is manufactured with a smooth bore for optimum hydraulic performance and a corrugated outside wall for high stiffness to weight ratio. By combining the strength and toughness of advanced polypropylene materials with the structured wall design, StormPRO® pipes provide an environmentally sensitive, cost-effective piping system for a multitude drainage applications in sizes ranging from 150mm to 900mm.

The ease of delivery to site, movement of product around the site when required, combined with ease of installation all added up to lower product and labour costs – a lower total installed cost of the pipeline system.

The combination of Vinidex StormPRO® stormwater pipes with fabrication by Rodney Industries of PRO bends, PE drainage hopper boxes and PE gutter boxes provided a complete drainage package for the project's needs.

Vinidex was able to provide a cost effective, innovative system which provided the solution which Leightons Contractors needed.

