



WHAT LIES BENEATH THE WESTFIELD CAROUSEL

The Westfield Carousel in Cannington, Western Australia, will embark on a new era of shopping in 2018, following its \$350 million redevelopment. The project will see the shopping centre expand from its current size of 82,000m² to approximately 110,000m²—marking it as the largest in the state.

From the glitz of designer brands to an intricate stormwater management system, the Westfield Carousel will feature the best of Australia's retail and construction markets—even if not all is directly in the limelight. What lies beneath the glamour of the centre's walls is a precast concrete stormwater management system of gigantic proportions.

Precaster

MJB Industries

Client

Sanwell Plumbing & Civil

www.nationalprecast.com.au

CAPABILITIES ESSENTIAL IN AWARDING PRECAST CONTRACT

As an integral part of the building's stormwater management system, the project brief demanded that five notably large precast concrete siphonic discharge pits with matching covers be manufactured for the project. Acting as break tanks between the siphonic system and the civil gravity drainage system, the siphonic system will pick up all the car deck and roof drainage.

Given the required size of the pits, Sanwell Plumbing & Civil needed to award the project's precast package to a precast manufacturer that possessed the ideal expertise and suitable manufacturing capabilities. National Precast member and Australind-based company, MJB Industries was awarded the contract.

PRECAST SAVED FIVE WEEKS' CONSTRUCTION TIME

Precast concrete pits provide many advantages compared to their insitu counterparts, with the main benefits, for this project, being the speed of manufacture and installation.





Despite the geographical distance of just more than 150 kilometres between MJB'S factory and the worksite, using precast significantly reduced on-site construction times. The total amount of time saved for the client was approximately five weeks— one week per tank.

Impressed with the precaster's performance, Sanwell noted "MJB delivered on time, on budget and the quality was second to none".

CUSTOM-MADE TO GIANT PROPORTIONS

The Westfield Carousel is set to reclaim its crown as Western Australia's biggest shopping complex and along with that is the need for a stormwater solution of grand proportions. Needing to be large enough to contain the water that pours into them for long enough to simultaneously allow them to drain through the pipes, at a rate that keeps up with the flow of water, meant their sizes range from 2 metres in length right up to almost 5 metres in width and as high as 2 metres.

STORMWATER SOLUTIONS FOR EVERY APPLICATION

On offer from the Western Australian precaster are two types of stormwater pits— modular and custom. While modular pits are available in a range of sizes with knockouts on all four sides for easy installation of pipes, custom pits come in a range of footprints to suit the various requirements of different projects and authorities.



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