

Drainage system future-proofs new housing estate

Project: Kerani Heights Estate Stage 1

Location: Melton Highway, VIC

Master Precaster: Reinforced Concrete Pipes
Australia

Client: Ginsan

Developer: Potter George

Beneath a 13 hectare new residential development in one of Victorian's recently established suburbs lies a well-planned and robust drainage system that will future-proof the homes of just under 200 families from flooding in heavy downpours.

The new Kerani Heights Estate is being constructed in five stages and is located just off the Melton Highway in the new Victorian suburb Fraser Rise.

Developer Potter George has partnered with some of Melbourne's award-winning home builders to offer a range of boutique house and land packages to suit varying needs. With modern, well-established amenities - like the Watergardens Shopping Centre, the Caroline Springs' Central Shopping Centre, multiple schools and colleges, medical centers, national parks and public transport - all within easy reach, the development is also surrounded by plenty of green space including parklands and sports fields.

With a solid track record of delivering quality projects that provide sustainable, fit for purpose outcomes for all stakeholders, Potter George understood the importance of quality services being correctly installed in the early stages of construction and the



many benefits of using reinforced concrete pipes.

To deliver an efficient, durable stormwater system – which is critical to a development of this size – National Precast Master Precaster Reinforced Concrete Pipes Australia (RCPA) was awarded the contract to manufacture and supply precast concrete pipes for the estate's stormwater system.

Just short of 400 concrete pipes were vertically cast for the project, set with an RRJ 2.34m length rebate. Multiple sizes were manufactured, ranging from a diameter of 300mm through to 1650mm.



Using precast concrete pipes meant shorter lead times and maximised efficiency on site with fast, safer construction using a minimum of workers. With the units being manufactured in a factory-controlled environment, a high level of dimensional accuracy was easy to achieve, which also minimized challenges along the way.

Set to be completed in 2022, Kerani Heights will provide safe homes and amenities for multiple generations to come.

