

# case study | ON SITE DETENTION TANK CONVERSION

## Clients Brief:

To use their existing on site detention tank as water storage, allowing them to hold rain water and use it to water their gardens at a time of their choosing. A pump and several garden taps needed to be installed in the front and rear garden.

## The Challenge:

The existing pre-fabricated concrete tank was approximately 14 years old and required some repairs if it was to hold water. The conversion required basic approval from Council.

## Our Solution:

We prepared a report that was submitted to Council to get approvals to convert the tank. Because the water stored was to be used regularly for garden irrigation, Council had no issues approving the conversion. We performed repairs to the existing structure to ensure it held water, adjusted the internal pipe work so it held the nominated quantity of water and installed a new sealed access hatch. A new Onga submersible pump was installed inside the tank. The pump controller which is connected to the pump allows for automatic operation and a steady flow of water on demand. Our clients now have approximately 10,000 litres of water ready for re-use at any time they choose.

## Client Testimonial:

“Watermatic designed and installed the system, liaising with Council to ensure it met all their requirements.”

“It is great to be able to use this water on our gardens, to wash cars, to minimize the demands on our city's water supply and help the environment.”

*Fred Pentecost, Wahroonga*



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