

Rozelle wetlands - A hidden innovation

Rozelle Interchange
WestConnex



A key feature of the parklands we are building at Rozelle will be the constructed wetlands at the park's western end. The wetlands will be a place for contemplative relaxation while also providing an essential part of the operational water treatment process.

The water treatment process for the Rozelle Interchange combines drainage and stormwater systems for groundwater seepage and surface runoff and is collected by a single sump in the tunnel.

The in-tunnel sump has the capacity to separate oils from water in-situ. The sump consists of two chambers and is fitted with two submersible pumps to pump water out of the tunnels to the water treatment plant.

The water treatment plant has capacity to handle up to:

- 40 L/s - Peak wet weather flow
- 22 L/s - average dry weather flow

As part of the water treatment plant:

- Settling tanks and a filter press reduce turbidity
- Dosing treatments correct pH levels
- Filtration removes dissolved metals

Water is held in the wetlands for a minimum of 18 hours and provides a final level of treatment ensuring high quality, treated water is released into Sydney Harbour.



Above images are artist impressions and are indicative only.

