



Timeline

- ✓ **Community Consultation**
August - September 2019
- ✓ **Community Information Session**
Wednesday 18 September 2019
Manilla Small Town Hall
- ★ **Site Establishment**
February 2020*
- ★ **Demolition of existing structures at New WTP site, commencement of construction works and pipelines**
March 2020
- ★ **Completion of Manilla River RWPS**
June 2020
- ★ **Completion and commissioning of the WTP**
March 2021
- ★ **Completion and commissioning of Namoi River RWPS**
July 2021

* Weather permitting

Plant design

The new water treatment plant at Manilla will be built on the south-eastern portion of the Kanangra Road site, close to the existing reservoir.

The location was chosen to allow for the entire plant to operate under gravity flow to reduce electricity usage and operational costs.

The new plant will include the following processes:

- » Iron & Manganese removal tank.
- » Powder Activated Carbon tank for treating algae.
- » Sedimentation tanks.
- » Filtration.
- » Chlorination and fluoridation.
- » Sludge thickening and handling.
- » Sludge lagoons for sludge drying.
- » Chemicals storage and handling.
- » Pump station to transport treated water to the reservoir.
- » The new plant will also include a new administration building and shed/workshop.

The design of the water treatment processes at the new Water Treatment Plant will ensure that water quality meets the Australian Drinking Water Guidelines when the Manilla River or Namoi River water or both sources are being used.

Multi-million dollar water project gets underway

As the Project Manager of the biggest water infrastructure investment in Manilla since the commissioning of Manilla's existing water plant in 1933, I am pleased to update you about progress of the Manilla Water Supply Upgrade.

Lead Engineering and Construction Pty Ltd – which successfully tendered for the project – will get work underway in February.

You can expect to see some activity on the Council-owned property between Kanangra and Reservoir roads (the location of the new water treatment plant) as the team from Lead sets up the site office and brings in the equipment needed.

In addition to the new plant, the project includes a new pump station and intake on the Manilla River and an upgrade to the intake pump station on the Namoi River.

New pipelines will also be constructed, however, a 2.4 kilometre section from the Manilla River to the Namoi Weir was fast tracked and completed by Council in December 2019 to provide additional water supply from Split Rock Dam during the drought.

The demolition of some building/structures and commencement of earthworks on the Council property near Reservoir Road will be the first works undertaken.

Next will be the construction of the Manilla River Pump Station located in Lloyd Street, the completion of the remaining pipelines and then the new water treatment plant. The final phase of the work will be the construction of the Namoi River Pump Station. The project is scheduled to take 18 months to complete.

The total cost of the project is estimated

to be more than \$17 million. The work will be funded by the NSW Government and Council. The NSW Government is contributing \$3.768 million through Restart NSW's Safe and Secure Water Program with Tamworth Regional Council funding the balance of the cost of the overall project.

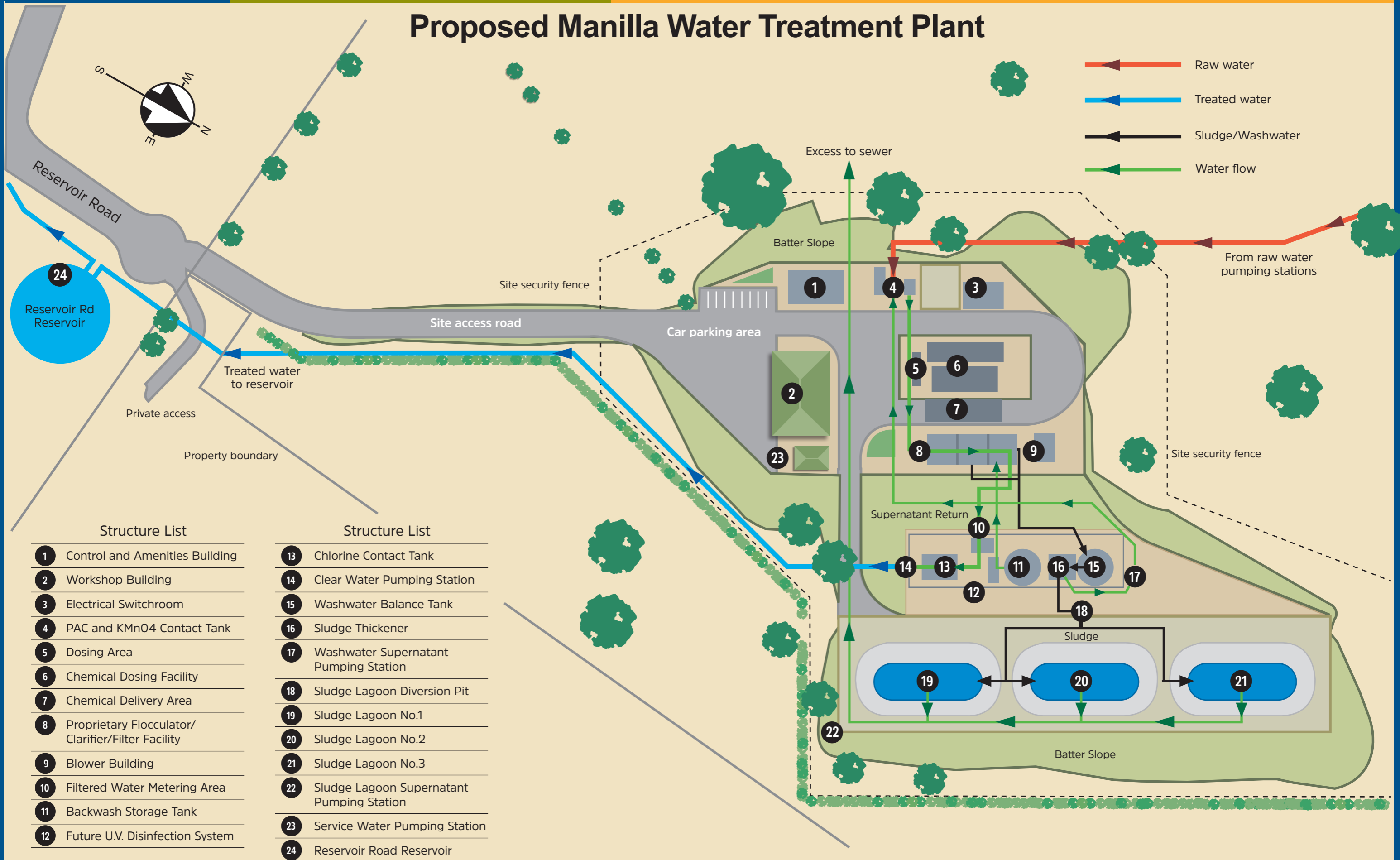
For more information about the project see our MyTRC Online Community page yourvoice.tamworth.nsw.gov.au/manilla-water-supply-upgrade and select then 'Follow' option. It will be updated regularly as the project proceeds.

For any enquires, please do not hesitate to contact me on 6767 5555.

Ian Cross
Project Manager
Manilla Water Supply Upgrade
Tamworth Regional Council



Proposed Manilla Water Treatment Plant



Structure List

- 1 Control and Amenities Building
- 2 Workshop Building
- 3 Electrical Switchroom
- 4 PAC and KMnO4 Contact Tank
- 5 Dosing Area
- 6 Chemical Dosing Facility
- 7 Chemical Delivery Area
- 8 Proprietary Flocculator/Clarifier/Filter Facility
- 9 Blower Building
- 10 Filtered Water Metering Area
- 11 Backwash Storage Tank
- 12 Future U.V. Disinfection System

Structure List

- 13 Chlorine Contact Tank
- 14 Clear Water Pumping Station
- 15 Washwater Balance Tank
- 16 Sludge Thickener
- 17 Washwater Supernatant Pumping Station
- 18 Sludge Lagoon Diversion Pit
- 19 Sludge Lagoon No.1
- 20 Sludge Lagoon No.2
- 21 Sludge Lagoon No.3
- 22 Sludge Lagoon Supernatant Pumping Station
- 23 Service Water Pumping Station
- 24 Reservoir Road Reservoir