



Timeline

- ✓ **Site Establishment**
February 2020*
- ✓ **Demolition of Existing Structures**
March 2020
- ✓ **Commencement of construction works**
March 2020
- ✓ **Completion of concrete work for tanks**
August 2020
- ✓ **Start of water pipework**
August 2020
- ★ **Start of new Manilla River Pump Station construction**
August 2020
- ☆ **Completion of Manilla River Pump Station**
November 2020
- ☆ **Water Treatment Plant construction complete**
March 2021
- ☆ **Completion of the Namoi River Pump Station**
July 2021

* Weather permitting

Plant design

The new water treatment plant at Manilla is being 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.



Laying facility pipeline

What is a flocculator?

As the raw water enters the water treatment plant chemicals are added to allow small particles of impurities to clump together. In the flocculator the raw water is mixed slowly, bringing these small particles together to form larger particles (flocs) which can be removed in the next treatment steps. It is important that this mixing is not too fast, as this can break the flocs back down into smaller particles.

Excitement builds as structures appear

Work on the Manilla Water Supply Upgrade is underway with construction of the new Manilla Water Treatment Plant and I am excited to update you about the latest progress.

The civil works at the water treatment plant are well underway with the large sheds, buildings and tanks complete. Over the next three months, the civil works will be completed including:

- Completion of final concrete for tanks;
- Construction of numerous small sheds for housing of pumps and compressors; and
- Construction of asphalt and concrete roadways.

The electrical fitout can now commence with the installation of the main electrical switchboard, this is a big job with approximately 50km of power, instrument and control cabling to be installed across the site.

The new Manilla River pump station on Lloyd Street has also commenced with the civil works 90% complete, this involved the installation of a temporary coffer dam to allow the construction of the new water intake screen and the 9m deep wet well.

Leed, the prime contractor has been a great addition to the local community spending approximately \$6,000 a week on rents, as well as the living costs for the 20 staff who are on site.

Leed have also been engaging local contractors and suppliers where possible for the supply and construction of:

- Bulk earthworks
- Plumbing and roofing
- Concrete supply and pumping
- Survey, geological testing
- Door hardware installation
- Safety railings
- Concrete works
- Joinery and windows

The project is on schedule to be completed in June 2021.

The estimated cost of the project is more than \$17 million. The work will be funded by the NSW Government and Tamworth Regional Council. The NSW Government is contributing \$3.768 million through Restart NSW's Safe and Secure Water Program with 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 the 'Follow' option. It will be updated regularly as the project proceeds.

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

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Proposed Manilla Water Treatment Plant

