

LOWOOD FERNVALE SEWER UPGRADE

We're constructing a \$45 million upgrade of the region's sewerage system.
Here's an update on progress to date.



The bioreactor takes shape at the Lowood Sewage Treatment Plant site

What's been happening?

We are now six months into the Lowood Fernvale Sewer Upgrade and there is no mistaking the progress at both the Treatment Plant and Pump Station sites.

Lowood Sewage Treatment Plant (STP)

Over 20,000 cubic metres of material was removed from the site of the new STP in preparation for construction. With bulk earthworks and the access road complete, construction is now in full swing. As you can see in the image above, the bioreactor is quickly taking shape. Once completed, this structure will be around 30m long and 6m high and will play an important role in breaking down organic waste in the treatment process. The crews have also made a start on the foundations for other structures on site.

Ferny Gully Sewerage Pump Station (SPS) and rising main

Construction of the sewer rising main connecting the Ferny Gully SPS to the new Lowood STP is nearing completion. It is anticipated that the new rising main will be connected to the STP in mid-November, by tunnel boring and installing a section of pipe under the Brisbane Valley Highway. This will complete the Fernvale to Lowood section of the rising main.

Construction of the SPS is also on schedule. The access road has been constructed and crews are currently excavating for the main pump station structure. Three new maintenance holes are also underway.

What next?

Upcoming work over the next three months includes:

Lowood STP

- Constructing membrane tank, storage tanks, blower and pump structures
- Laying concrete slabs for sludge dewatering structure
- Commencing inlet works.

Lowood sewer rising main

- Start of construction of the pipeline from Lowood to the new STP.

Ferny Gully SPS

- Constructing storage chamber, grit collector, wet well.

Fernvale sewer rising main

- Connecting new pipe to the Lowood STP.

Project Facebook group

Did you know the project has a dedicated Facebook group for local residents and stakeholders? Find us at: www.quu.com.au/lowood-fernvale-group.

Fernvale rising main nearing completion

By mid-November our contractor will have installed 6757m of pipe to complete the installation of the rising main connecting the new Ferny Gully SPS to the Lowood STP. The pipe has been laid in sections to reduce community impacts. Work on the two sections outside the Fernvale State School (Brisbane Valley Highway and Forest Hill Fernvale Road) was successfully completed during the September school holidays to avoid disruption to the school community.



Site of rising main installation, opposite Fernvale State School on Forest Hill Fernvale Road (October 2018).

Ferny Gully SPS progress

Three of five new maintenance holes (MH) required for the new pump station are currently underway. In the foreground of the image below you can see the Interception Sewer MH, which is built directly over the existing sewer pipe. The one to the left is the Grit MH which catches particulates so they don't block the pumps. The third MH (rear) is for general access and maintenance. Three down, two to go!



Excavation and new maintenance holes at the Ferny Gully SPS site (Oct 2018).

Brisbane Valley Rail Trail

During mid to late November, excavation will be occurring in a section of the Lowood STP site close to the Rail Trail, for a period of up to two weeks. This will not affect usage of the Rail Trail but please take extra care when approaching.

The temporary traffic control measures currently in place consist of a Stop sign for construction traffic and a Give Way sign for Rail Trail users. When approaching the Give Way sign, please slow down, check for vehicles and proceed with caution.



Another sincere 'thank you' to all Rail Trail users for your ongoing patience.



Queensland Urban Utilities' Project Manager, Jonathan Farrell, overseeing construction at the Lowood STP site (October 2018).

For more information, call the project hotline on 1800 071 230 (free call, 24/7). See below for additional contact details.

FOR MORE INFORMATION CALL 1800 071 230 (free call, 24/7)
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