

Cannery Creek Sewer Upgrade Project

30 May 2024

Cannery Creek project update

Urban Utilities is delivering this project in partnership with Fulton Hogan Utilities. When completed, this project is expected to reduce wet weather overflows for residents in Northgate and Banyo and improve the health of Cannery Creek. The project involves a combination of traditional infrastructure including a new wet weather pump station and over two kilometres of underground pipeline, and the creation of a nature-based solution which includes a new wetland with bioretention and sediment basins. Works will progress in stages due to working in and around a waterway.

Since our last project update in January 2024, the inclement weather impacted construction activities. Although we constructed a bypass trench around the work area to keep the creek flowing, as seen in image 1, this bypass only assists with moderate rainfall. After the heavy rainfall, the project team had to wait for the water levels to recede before starting the trenching across the creek.

Once the water levels receded, work continued across the creek using shoring boxes to ensure the integrity of the trench walls and the safety of the workers in this deep excavation. Refer to image 2.



Image 1: Construction of the creek bypass



Image 2: Shore box installed in the trench

The wet weather pump station construction is progressing well, with the installation of the 30.6-tonne concrete lid. This lid was recently placed on top of the station's wet well. Once the lid was secured, we installed the pumps inside the wet well.



Image 3: Frederick Street wet weather pump station

The trench crosses the creek from the new wet weather pump station to the screening chamber that has been constructed. The trench houses two pipelines, each playing a vital role. One connects to the screening chamber via a gravity pipeline, while the other forms part of the sewer rising main pipeline from the pump station to Nudgee Road and to the wetlands. (refer to image 4 below).



Once operational, during a wet weather event, when the network is inundated with stormwater, the flows from the existing network passes through the screening chamber, where solids are separated from the wastewater flows and transfer directed into the existing wastewater network. The diluted flow also will go via the gravity line to the pump station and then from the pump station to the wetlands and bioretention off Southern Cross Way.

What's next:

To continue trenching the new rising main, we are required to temporarily close the Station Avenue Pedestrian Bridge between **Monday, 3 June and Friday, 7 June 2024, dependant on weather and site conditions.**

Trenching along the creek towards Nudgee Road will see additional truck movements within the local road network.

Excavation work will start on Sed-basin 1, refer to image 5 below in the next four to five weeks, weather permitting. This Sed basin will form the first of three wetlands that will create a healthy ecosystem that acts like nature's filter, trapping sediment and absorbing nutrients. We note that during the excavation work, odours may be experienced when the organic material is exposed to air.



Horizontal directional drilling or HDD is a method of installing underground pipelines; It can be used to install pipeline under roadways and near waterways without disturbing the ground surface. Over the next few months, our HDD contractor will mobilise to site off Nudgee Road (across from the project site office) where the new rising main will be constructed under Nudgee Road to Southern Cross Way.

Work hours:

Site construction hours are from 6.30am to 6.30pm Monday - Friday. As our work is dependent on weather conditions from time to time, we may need to work on a Saturday from 7am to 3pm.

Contact the project team:

Let us know how you would like to be kept informed about the construction activities by contacting the project team on **1800 573 215** or

Email: networks.community@fultonhogan.com.au

Scanning this QR code, will connect you to the Urban Utilities Cannery Creek Sewer Upgrade project website to read more about the project.

