



December 2021

Prospect South to Macarthur Update

Sydney Water has a long-term plan to increase resilience in our network and to extend the city's water capacity and supply.

As part of the Prospect to Macarthur (ProMac) project we are building a new drinking water pipeline, reservoir and pumping station in Cecil Hills.

We thank the community for their support, patience and cooperation during this year, particularly as many of you spent more time at home whilst we undertook this essential work.

Pipeline update

As we approach the holiday season, we are excited to announce that the new water main being installed by Diona in Cecil Hills is 100% complete.

Over the past 12 months, Diona has built:

- 1.95km of new water main
- two stop valves
- eight air valves
- four scour valves
- two hydrants.

Did you know:

- The water pipeline is made from steel and was delivered in 6.5 metre lengths
- Each length can weigh up to 2 tonnes and requires the use of cranes to lift and position each pipe into place
- The pipe was laid at depths varying from 1.5 to 4.5 metres deep
- To install the pipe, the team used a combination of open trench and underboring methodologies.

Construction activities within our site compounds in Lancaster Avenue and Pye Hill reserve will be ongoing until early 2022, however we will start reducing the size of the compounds and restoring all impacted areas as the project nears completion.

Liverpool City Council has requested to undertake the permanent restoration of its roads that have been affected by the ProMac work.

So far, restoration of the southbound lane of Feodore Drive between Balmoral Circuit and Inverness Circuit has been completed.



Feodore Drive following Council restoration works.

Council will complete the permanent restoration of the roads in the new year.



Children from the local day care centres learn about the pipeline.

Our highlight of 2021 was showing the Kids from Cecil Hills Early Education and Care Centre and Toddlers and Co Early Learning all about the new water pipeline being built in Cecil Hills!

Diona will take a break from 23 December 2021 until 3 January 2022.

When the team returns in the new year, we will disinfect the pipeline and complete final testing before it becomes operational.

The remaining work compounds will then be demobilised, and the areas restored.

The new Liverpool Reservoir

You may have noticed that the new Liverpool Reservoir has now been painted green!

This month, Saunders completed a hygiene wash of the reservoir and flushed out the inlet pipes ready to receive drinking water.

In the new year, hydrostatic testing of the new reservoir will be completed which involves filling the tank in increments of 20% and monitoring for 24 hours. This stage of testing is expected to take around 10 days to complete.



The exterior of the new Liverpool Reservoir.



The interior of the new Liverpool Reservoir.

Saunders will take a break from 23 December 2021 until 10 January 2022.



Liverpool Reservoir Pumping Station

Comdain has finished constructing the foundation of the pumping station and installed the steelwork to hold the pre-cast wall panels.

The foundation is a 1,100 m² suspended concrete slab comprising of 88 piles.



The Liverpool Reservoir pumping station sub-structure.

Over the past 12 months, Comdain has completed:

- All sub-structure works including bulk excavation and piling
- Construction of the pump station, low voltage switchroom and high voltage switchroom concrete walls and slabs
- Significant pipework installation
- The pressure reduction valve (PRV) chamber
- Completion, testing and commissioning of the original line watermain into the new Reservoir
- Installation of sections of storm water drainage and electrical conduits

- Installation of the subgrade on the pump station access road.

The new facility is expected to be operational by mid-2022.

Comdain will take a break from 24 December 2021 until 3 January 2022.

High Voltage power works

Gremalco has completed installation of the high voltage power loop from the new Cecil Hills pumping station to the Abbotsbury Zone Substation in Bonnyrigg Heights.

We have temporarily restored disturbed areas through Bonnyrigg Heights and we're now working with Fairfield and Liverpool Councils to finalise permanent restoration.

The holiday shutdown

During the shutdown over Christmas and New Year, all ProMac worksites will be regularly inspected to ensure temporary fencing and environmental controls are secure.

If you are concerned about the condition of a site over this break, please notify the community team who will be on-call over this period.

To know more about ProMac:

Call: 1800 678 098

Email: ProMac@sydneywater.com.au

Visit: www.sydneywatertalk.com.au/ProMac

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如果您需要傳譯員的協助，請致電以上的號碼。

Αν χρειάζεστε διερμηνέα, τηλεφωνήστε στον παραπάνω αριθμό.

Se vi serve un interprete, telefonate al numero indicato sopra.

통역사가 필요하시면 위의 번호로 전화하십시오.

Nếu quý vị cần thông dịch viên, hãy gọi đến số trên đây.