



November 2022

## Prospect South to Macarthur Project

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 South to Macarthur (ProMac) program we are building a new drinking water pipeline between the Narellan South Reservoir and Sugarloaf Pump Station in Menangle Park and installing a new re-chlorination plant in Mount Annan.

In Currans Hill, we are replacing the reservoir so that it can reliably supply water to the community for decades to come.

We would like to say thank you for your support, patience and cooperation during this year.

### Pipeline update

The installation of 3.8km of new water main has been completed, the pipeline pressure tested and disinfected.

The water main is now operational.

In September, a group from Sydney Water, ACCIONA and Vaughan Civil gathered with the team from the Australian Botanic Garden at Mount Annan to celebrate the completion of installation of the water mains.



Celebrating the completion of all water mains with a ceremonial valve turn.

All areas of the construction corridor have now been restored with grass and native plants. Our contractor will continue to monitor the establishment of the new planting and undertake weeding for a 12-month period.



Contractor Toolijooa planting inside The Australian Botanic Garden.



A restored section of the pipeline alignment within The Australian Botanic Garden in Mount Annan.



A restored section of the pipeline alignment within William Howe Regional Park in Mount Annan.

## Narellan South re-chlorination plant update

Following a pause, construction of the re-chlorination plant at the Narellan South Reservoir (inside William Howe Regional Park) re-commenced in October.

The team is currently excavating ahead of the installation of underground services. In the new year, work will start to upgrade the existing road within the Sydney Water property.

Further down the track, the re-chlorination plant building will be delivered to site. Once installed, the plant will consist of three buildings with a total footprint of about 15m long by 7.6m wide by 3.5m high. The building will be delivered on the back of a truck and unloaded by a crane.

When construction is completed, the area will be landscaped. A landscape design plan has been developed to screen resident's view of the Sydney Water facilities as much as possible.

We thank the Mount Annan community for their patience throughout the works and wet weather delays.

### Narellan Re-chlorination Plant | Did you know:

- 27,000 kg of steel has been used so far for concrete reinforcement works – equivalent to around 21 cars!
- Examples of heavy plant operated by our workers at this site so far:
  - **Excavators** – a vehicle with interchangeable attachments fastened to the end of a digging arm.
  - **Moxy** – a truck used to transport and tip out large volumes of loose material.
  - **Vib roller** – a vehicle with a vibratory roller to efficiently compact ground material.
  - **Skid steer loader** – a vehicle with a scooped attachment to dig, collect, lift and move loose material.
  - **Water truck** – a water carrying vehicle to control dust.



Retaining wall for new access road under construction.

## Currans Hill Reservoir update

Our contractor Brockman Engineering will be mobilising on site in early 2023 to build a new reservoir for the community. Once complete, the new reservoir will be the same size as the previous one.

Trucks will continue to use the route approved by Camden Council, via Turner Road into Ascot Drive and Manooka Road. Heavy vehicles will infrequently transport large deliveries of steel into the site, outside of peak hours. The deliveries will not be daily.

Noisy work is to be expected while the team construct the new reservoir, including grinding, cutting of steel and manual hammering to secure steel panels into place. A crane will be on site from early next year until later in the year when the reservoir roof is ready to be installed.

As the reservoir grows, residents should expect to see people working at heights.



Demolition of old the Currans Hill Reservoir, removed panel by panel using a crane.

Brockman will begin setting up site offices at the reservoir about one week before construction starts. Most workers will park within the Sydney Water site, with about 10-12 people on site at a time. Some visitors to site may park in nearby streets from time to time.

We will continue to keep the community informed throughout construction stages.

## Mini Picassos make their mark

In October, Sydney Water visited Manooka Valley Community Preschool with Principal Contractor Brockman Engineering. 20 pre-schoolers decorated hard hats using coloured markers and gifted their masterpieces to the Brockman Team ahead of them mobilising on site to build the new Currans Hill Reservoir.

40 hi-vis vests were donated to the children to help inspire a future career in construction!

The ProMac team are grateful that we were able to work with the pre-school staff and children – the team had a wonderful time.



Activities at Manooka Valley Community Preschool in Currans Hill.

### Currans Hill Reservoir | Did you know:

- The new reservoir will be constructed using steel plate segments individually transported to site and welded in-situ.
- The new reservoir will hold 6 megalitres (ML) of water. It will draw water from Prospect Reservoir which holds 33,000ML.
- 6ML is equivalent to 83 standard home swimming pools, 2.5 Olympic swimming pools or 109,000 seven-minute showers.

### The holiday shutdown

No work will occur on site from 23 December 2022 until 8 January 2023. Work will resume 9 January 2023. During the shutdown, the Narellan South Reservoir site in Mount Annan will be regularly inspected to ensure temporary fencing and environmental controls are secure.

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

We wish everyone a safe and happy holiday season.



The Currans Hill Reservoir site post-demolition.



Activities at Manooka Valley Community Preschool in Currans Hill.

### To know more about ProMac:

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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.