



April 2023

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) program we are upgrading the existing reservoirs at Liverpool and Cecil Park as well as building two new reservoirs at Oran Park to allow for a total of 100 ML of additional reservoir capacity. That's the equivalent of about 50 Olympic-sized swimming pools!

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

Oran Park Pipework update

Our contractor Ferrycarrig has demobilised from the area following completion of civil, electrical and pipe works at the Oran Park Reservoirs site. In 2022, Ferrycarrig completed:

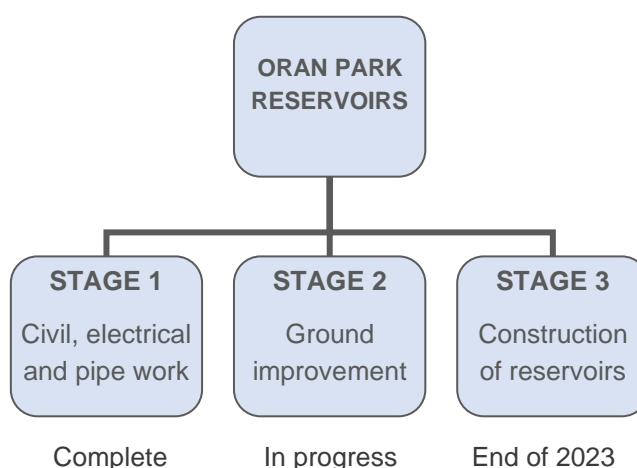
- kerb and gutter installation for the reservoir site
- construction of the stormwater system
- 1km of underground pipe at the Oran Park Reservoir site
- roadworks and asphalting.



The Oran Park Reservoirs site during pipe installations looking north.

Oran Park Reservoirs update

In March 2023, Principal Contractor Vaughan Civil mobilised to the site in preparation for the next stage of construction. This year, Vaughan Civil will complete ground improvement works to prepare for the construction of two 24ML steel reservoirs and the installation of a re-chlorination plant.



Ground improvement works will involve:

- establishing a site compound and storage areas
- constructing a temporary noise wall between the works and Oxley Ridge Estate
- supervising vibration monitoring equipment throughout the duration of the works
- concrete piling and construction of a retaining wall
- restoration of the impacted areas.

This stage of work will take around **eight months to complete, weather permitting.**



Out of hours work at Oran Park Reservoirs

As we complete ground improvement works, we will need to work outside of our standard hours from time to time. We will notify you before this occurs.

We will make every effort to minimise disturbances by completing the noisiest activities during the day or at the beginning of a night shift.

We will keep residents updated as the project progresses.

- installation of structural steel framing for the new pumping station. Each piece was installed using a 55 tonne crane
- installation of all external pre-cast panels which were transported to site and lifted into place using a 300 tonne crane! More than 40 were installed, weighing up to 10 tonnes each!
- installation of a 10 tonne gantry crane inside the pumping station, to facilitate heavy lifting during construction and maintenance of the new facility.

Oran Park | Did you know:

What is a concrete pile?

A reinforced concrete column placed vertically beneath the ground to provide a stable foundation for heavy structures.

How will it be constructed?

Piling for Oran Park Reservoirs will be cast in-situ by drilling a hole into the soil and filling it with concrete. Three piling rigs will drill around 500 steel reinforced concrete piles below ground level.

Vibration

Vibration can be felt by humans well before there is any structural damage risk to residential dwellings. Vibration levels from piling works will remain well below the threshold that could cause structural damage. Sydney Water's contractors will monitor vibration output throughout construction to ensure this.

For any questions or concerns, please contact the ProMac Community Engagement team via ProMac@SydneyWater.com.au or 1800 678 098.



Aerial view of the Harrington Park Pumping Station site on The Northern Road looking East.

Over the coming months, Downer will continue to progress with:

- construction and installation of the pumping station roof, ceiling, doors and insulation
- the internal fit out of the pumping station, including the mezzanine floor and maintenance access platforms
- mechanical works to power the newly installed pumps inside the pumping station
- heating, ventilation and air-conditioning works to circulate air through the pumping station during operation
- civil and concrete works external to the pumping station building.

Construction of the new facility is expected to be completed in August 2023. The team will then demobilise from site until the Oran Park Reservoirs

Harrington Park Pumping Station update

Our contractor Downer returned to site after the December shutdown period. Since our last newsletter update, Downer has completed:

are constructed, returning in 2024 to complete the remaining commissioning activities and put the station into operation.



Installing more than 40 pre-cast panels to form the pumping station exterior. Each panel weighs up to 10T each!



The existing noise wall along The Northern Road in the colour 'Monument'. The noise wall at the Harrington Park Pumping Station will be painted to match this colour.

Permanent noise wall – thank you for your feedback!

When construction of the pumping station is completed, a permanent noise wall will be built along the northern and southern boundary of the pumping station (perpendicular to The Northern Road) to shield residents from potential operational noise.

In January, Sydney Water consulted the community residing closest to the pumping station site to give them an opportunity to nominate their colour preference for the permanent noise wall. The majority vote was 'monument' which will match the noise wall alongside The Northern Road next to the site.

The permanent wall will be three metres in height, constructed from horizontal noise barrier panels.

Thank you

We would like to take this opportunity to thank you for your patience and understanding during this important work.

If you have any feedback on our work, we'd love to hear from you.

To know more about ProMac:

Call: 1800 678 098

Email: ProMac@sydneywater.com.au

Visit: www.sydneywatertalk.com.au/ProMac

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إذا كنت تحتاج إلى مترجم، يرجى الاتصال بالرقم أعلاه.

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.