



August 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 thank you for your support, patience and cooperation during this year.

Oran Park Reservoir update

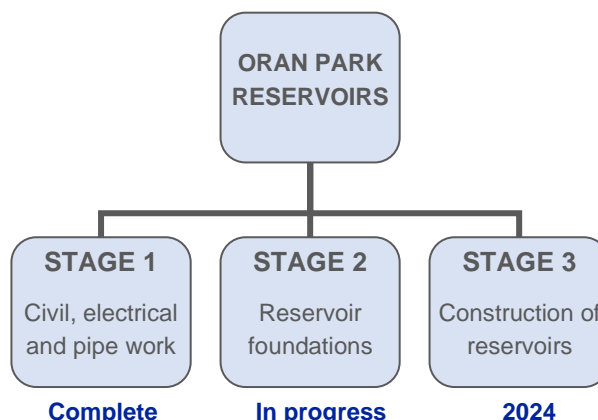
In March, contractor Vaughan Civil began the next stage of construction, following completion of civil, electrical and pipe work by Ferrycarrig in 2022.

The current stage of work will be completed by the end of 2023 and involves concrete piling, construction of a retaining wall, and construction of reservoir tank foundations.

We will begin to construct two steel reservoirs when the reservoir foundations are complete. Each reservoir will hold 24 megalitres (ML) of clean drinking water and will be 21m tall and 42m in diameter. The completed reservoirs will connect to the Harrington Park Pump Station currently being built under the ProMac program.

Between March and July, we completed the following work at the Oran Park Reservoir site:

- 224 reinforced retaining wall concrete piles, 750mm in diameter, poured up to 19m deep
- construction of the reservoir ring beam (outer edge base)
- four reinforced piles 600mm in diameter, poured up to 13m deep to facilitate construction of the reservoir access stair tower
- installation of steel reinforcement and concrete pours for reservoir foundations
- excavations for temporary access tracks around the site.



Steel reinforcement is laid prior to a concrete pour, to provide a strong base for one of two 24ML reservoirs at Oran Park.



Out of hours work at Oran Park Reservoir

As we progress reservoir foundations and ground stabilisation work, we will continue to occasionally work outside of our standard hours. Standard work hours are:

- 7:00am to 6:00pm Monday to Friday
- 8:00am to 1:00pm Saturday. We will not work on Public Holidays.

We have made every effort to minimise disturbance to the community by:

- installing a temporary noise wall
- supervising vibration monitoring equipment
- completing the noisiest activities during the day or at the beginning of a night shift
- providing adequate notice for activities which are expected to impact neighbouring residents and businesses.

We will keep residents updated as the project progresses.

Did you know – Oran Park

What is a concrete pile?

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

How will it be constructed?

Piling for Oran Park Reservoirs has been cast in-situ by drilling a hole into the soil and filling it with concrete. Three piling rigs have been drilling reinforced concrete piles below ground level.

Vibration

Vibration can be felt by humans well before there is any risk of structural damage to residential dwellings. Vibration levels from piling work have remained well below the threshold that could cause structural damage and Sydney Water contractors are using specialised vibration monitoring equipment to ensure this.



One reservoir base after a concrete pour. When construction is complete, each reservoir will hold 24ML of clean drinking water for Sydney Water customers across South West Sydney.

Harrington Park Pump Station update

Contractor Downer is constructing a new pump station in Harrington Park which will connect Narellan South Reservoir to Oran Park Reservoir to meet increased demands from growth in South West Sydney. Once in operation, the pump station will service surrounding suburbs between the two reservoirs.

When construction of Harrington Park Pump Station is complete, the team will leave the site until the Oran Park Reservoirs are constructed. Then they will return to complete the remaining commissioning activities, before bringing the station into operation. We will continue to update you as work progresses.



External progress at Harrington Park Pump Station, August 2023.



Since work began in 2021, Downer have completed:

- civil work for site establishment and installation of a temporary noise wall to minimise impact to neighbours
- foundations for the pump station building
- installation of new pipework
- internal access platforms, flooring and installation of a 10-tonne gantry crane to facilitate heavy lifting during construction and maintenance of the new facility.

Over the coming months, Downer will:

- continue progressing with the pump station's internal fit out, including installation of motors and pumps
- commence electrical wiring and cabling to power the pump station
- begin civil and earthworks external to the pump station
- mechanical work to connect external pipe work to water pumps internal to the pump station.



Progress of mechanical work inside the pump station. Valves, water pumps and motors are currently being fitted as part of the internal fitout.

Thank you

We would like to thank you for your patience and understanding during this essential work.

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

Did you know – permanent noise wall

When construction of the pump station is complete, two permanent noise walls will be built along the northern and southern boundary of the site. Sydney Water consulted neighbouring members of the community to determine the final colour. The majority vote was 'monument', to match the adjacent existing Camden Council noise wall along the Northern Road. The permanent noise walls will be 3m high, constructed from horizontal noise barrier panels.



External pipework which will eventually connect to new pumps, fans, and motors inside the pump station. The pumps will distribute water through external pipework and across the Sydney Water network.

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.