



December 2022

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 are also building a new water pumping station at Harrington Park to provide drinking water services for 84,000 new homes in South West Sydney.

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

Oran Park pipework update

Since our last update, our contractor Ferrycarrig has completed the installation of all underground pipework which will eventually connect the new reservoirs to the existing Sydney Water network. In total, Ferrycarrig laid more than 1km of underground pipe at the Oran Park Reservoir site.



Civil works on the southern access road, including stormwater drainage, constructing kerb and laying asphalt.

Ferrycarrig has also completed:

- Construction of the stormwater system
- Kerb and gutter installation for the reservoir site.

This month, Ferrycarrig will continue to progress:

- Roadworks and asphaltting (currently 90% complete)
- Landscaping including fencing, signage and embankments for the site
- Spray seal of the reservoir pad to minimise the spread of dust.

Ferrycarrig will demobilise from site mid-February 2022, to make way for the next stage of ProMac works at the Oran Park Reservoir site.

Oran Park Reservoirs update

In the first half of 2023, work will start to prepare the ground for the construction of two 24ML steel reservoirs and a re-chlorination plant (RCP) on the hill above Oxley Ridge.



An aerial view of the Oran Park site looking north.

The work will involve building a retaining wall, drilling around 500 steel reinforced piles and constructing the tank and RPC foundations. This stage will take around seven months to complete, weather permitting.



During this work, there will be an increase in noise and heavy vehicles and machinery moving to and from site.

We'll keep residents updated as planning progresses.

Harrington Park Pumping Station update

Since our last newsletter update, our contractor Downer has completed:

- Foundations for the new pumping station, including large-scale concrete pours of the ground slab, taking around 12 hours to complete over two shifts
- Installation of all below ground pipework external to the pumping station, totalling around 350 metres, with pipes as large as 900mm in diameter
- Three connections spanning 72-hours to connect the new pipework to the existing Sydney Water network
- Installation of steel reinforcement, formwork and concrete to create the first row of the pumping station walls.

Harrington Park Pumping Station | Did you know:

- The walls of the pumping station are being constructed in 'layers' or 'rows' from the ground up.
- Two methods have been used so far – 'cast in-situ' is good for strength and 'pre-cast' is efficient and has a cleaner finish:
 - Cast in-situ: the first row was poured onsite into steel reinforcement and formwork (timber moulds).
 - Pre-cast: panels are constructed off-site and transported to site on trucks. The panels are then lifted into place using a crane, with the largest panel weighing 7,500kg!

Construction of the second row of walls has commenced and in the coming months, work will begin to install all above ground pipework and pumps inside the pumping station.

The new facility, located on The Northern Road, is expected to be operational by mid-2023.



Pre-cast concrete panels being transported into site to form sections of the pumping station walls.



Pre-cast panels being individually lifted into place using a crane.

Other work in the area

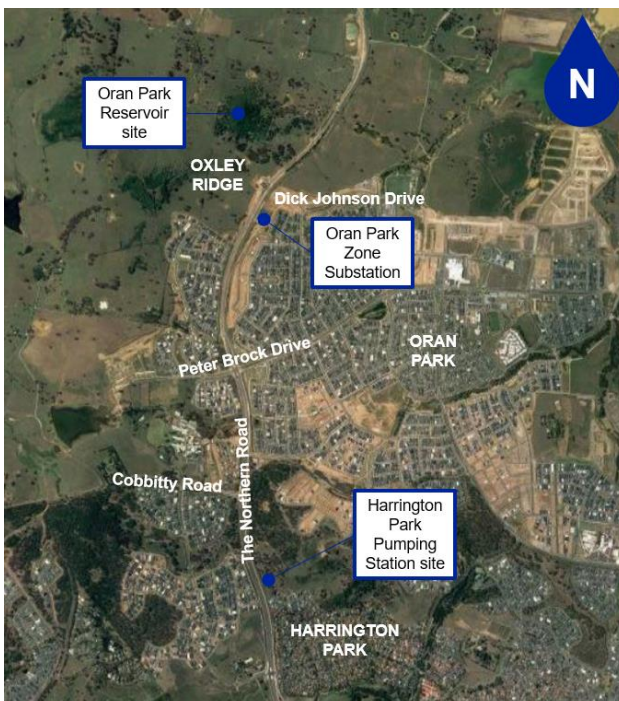
High Voltage power works

In September, our contractor Gremalco completed installation of five kilometres of underground electrical cable to connect the new pumping station to the Endeavour Energy Zone Substation at Oran Park.

As part of this work, a series of underbores were carried out to haul cabling underground, including sections that span below The Northern Road.

The Harrington Park switching stations have been energised and stand ready to power the Harrington Park Pumping Station once construction is complete.

Permanent restoration of the footpaths was completed in consultation with Camden Council.



Map showing the location of ProMac work underway near Harrington Park and Oran Park.

The holiday shutdown

No work will occur at the Harrington Park site from 24 December until 2 January 2023. Work will resume 3 January 2023.

At the Oran Park site, Ferrycarrig will take a break from 22 December to 8 January 2023. Work will recommence 9 January 2023.

During the shutdown, 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 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.

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:

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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.