

21 June 2021

Sourojit Dhar
Microsoft
(Via email)

**Water and wastewater servicing for Microsoft development
SSD-10101987 (Kemps Creek Data Centre) at 709-769 Mamre Road, Kemps Creek**

Dear Sourojit

Thank you for your continued engagement with Sydney Water on our servicing strategy for the Mamre Road precinct. Sydney Water is committed to ensuring services get delivered at the right time to keep Western Sydney thriving and productive, and we are excited to be able to support you in achieving the best outcomes for your development.

Water

Sydney Water has noted the data centre's maximum daily water consumption requirements and, as per the draft Mamre Road DCP, we anticipate that recycled water will be your primary supply for non-potable uses within your operations.

Your proposed facility will need to be connected to recycled water reticulation expected to be delivered by the estate developer under SSD 9522. Sydney Water will deliver the recycled water trunk network in the precinct, and recycled water is anticipated to be available from 2026 via the Upper South Creek Advanced Water Recycling Centre (AWRC). Developer contributions will be applicable for recycled water.

Sydney Water will continue to work with Microsoft to finalise the recycled water servicing strategy specific to your site including meeting water quality and contingency requirements.

Interim servicing

We understand you anticipate that you will require peak day water consumption of 553KL/D from Q3 2022. The initial stages of your proposed development will be supplied by potable water, once the amplification works noted below are complete, and this servicing will continue until recycled water is available from the AWRC.

Your proposed development is currently located within Cecil Park Reduced Water Supply Zone (WSZ) and is part of the Prospect South Water Delivery System. In anticipation of growth, Sydney Water has fast-tracked planning and delivery of water infrastructure, with

the following water infrastructure amplification projects proposed to be operational in the first quarter of 2022:

- Rising Main (DN900) and pump WP0433 and 60ML reservoir at Liverpool
- DN1200/DN1050 from Cecil Park Reservoir up to Western Rd, with offtakes at Range Rd and Western Rd connecting existing mains in Elizabeth Drive

The following additional amplification works are also required:

- A new DN300 lead in water main down Mamre Road to Bakers Lane that will bring water in from the Erskine Park Elevated Water Supply Zone as an interim supply. This main is being delivered by another developer and is currently expected to be operational by late 2021.
- Developers will be required to upsize drinking water mains fronting their developments to DN300 to ensure connection and supply. As your development is within the estate developed under SSD 9522, Sydney Water has been supportive of coordinated delivery of infrastructure to service both developments. We advise that a DN300 extension west from Baker's Lane intersection to the estate frontage and a DN300 offtake is required as an interim water servicing solution for the data centre. It is expected that once recycled water is available, the drinking water main will no longer be used as the primary source for non-potable uses.
- Please note that offtake main size will be confirmed at detailed design phase, with potential need for additional pressure or flow control devices to ensure that the water system meets the requirements set out in our Operating Licence.
- Additionally, we advise Microsoft to plan for onsite storage to mitigate the risk of supply loss and to cater for the data centre's peak demands.

Wastewater

As you are aware, there are no wastewater services currently available in the precinct. Sydney Water's stage 1 servicing solution is expected to be available around 2024 when your site will be drained to a new wastewater pumping station (SP1221) and transferred to the St Marys Wastewater Treatment Plant. Sydney Water is currently in concept planning phase for this pump station and associated trunk wastewater mains. Ultimately, your site will be serviced by the new AWRC, expected to be delivered in 2025/26, pending funding and other approvals.

Sydney Water will continue to work with Microsoft and the estate developers to evaluate a temporary wastewater servicing solution designed and operated by the estate developer to service both developments until our stage 1 wastewater servicing is commissioned. We note that this interim solution is still in negotiation phase and has not yet been confirmed to date. We look forward to progressing these discussions with Microsoft and the estate developers in Q3 2021, with the intent of having this interim solution in place in early 2022.

Sydney Water has had a successful partnership with Microsoft to date, and we look forward to working with you, other developers and agencies to further develop agile, innovative, sustainable and commercially sound solutions to service growth in the Mamre Road Precinct, other parts of the Aerotropolis and Western Sydney while contributing to a sustainable and liveable Western City.

As always, please feel free to reach out to myself or your Account Manager, Shalini Gonsalves on 0434 756 999 to continue these discussions.

We look forward to working with you.

Regards
Christian McNally

A handwritten signature in black ink, appearing to read 'C. McNally', written in a cursive style.

Manager, Developer Partnerships
Sydney Water