

Improving West Camden's Water Services

Sydney
WATER



Future-proofing tomorrow's water today

In the next 30 years Greater Sydney will experience exponential population growth and with it comes an expectation to connect to water and wastewater services.

To support this growth, Sydney Water is building new and upgrading its existing infrastructure.

We are excited to share our plans to upgrade the West Camden Water Recycling Plant (WRP) and the pivotal role the plant will play in creating a more liveable and sustainable Sydney.

The West Camden WRP upgrade will ensure that water will continue to be available to support local agricultural businesses and ensure healthy waterways.

 **By 2026** **3,200**
new dwellings per year built in
West Camden and the South
West Growth Area

Plus

2,000
more homes per year in
West Camden Catchment
between 2026 and 2046



Meeting the needs of a growing city

We live in a changing world. Sydney will experience significant population growth over the next 30 years and this means that some of Sydney Water's assets will reach their capacity in the near future.

Sydney Water has committed to invest in upgrading, and augmenting its existing infrastructure and building new assets. These investments are crucial to meet our customer's growing water and wastewater servicing needs, protect public health and the environment.

In the long-term, the West Camden WRP will need to process wastewater from its growing catchment area. In addition - the plant will cater for temporary flows being received from the South West Growth Area until 2026 - that's when Sydney Water's new Upper South Creek Advanced Water Recycling Centre will be ready.

Needless to say that the West Camden WRP is a vital component in securing the future of our water. It's a big deal!

Our solution

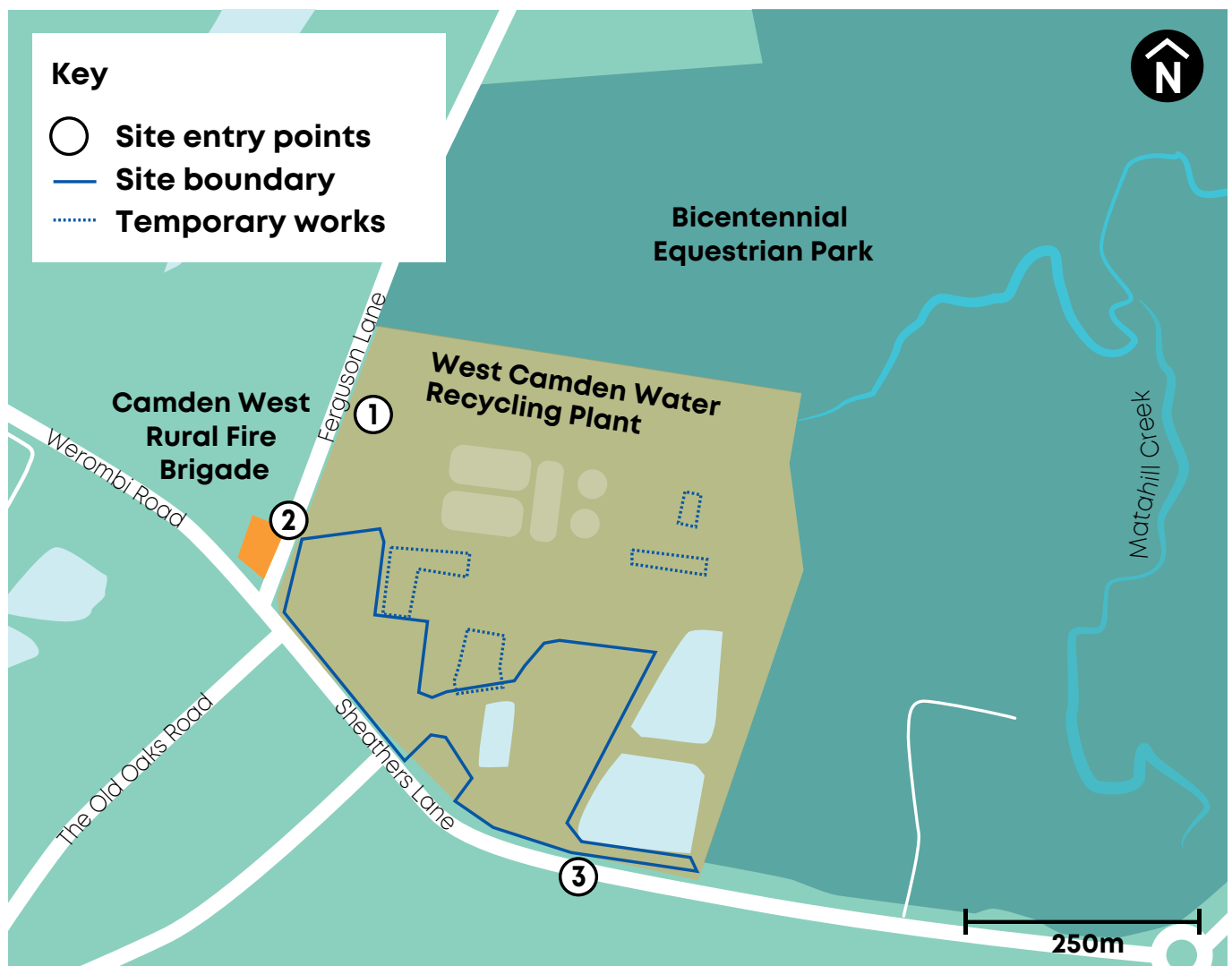
To accommodate the additional wastewater needs of a growing community, Sydney Water will upgrade its West Camden Water Recycling Plant.

After careful consideration and consulting with our stakeholders, it has been decided that the majority of the works will be done within the boundary of the existing plant. This means all necessary improvements can be done with a lower impact to the West Camden community.

We will implement innovative technologies to improve the treatment process, enabling us to significantly improve the discharge released to Matakahill Creek.

“We are focussing on developing and delivering resilient sustainable and secure water infrastructure to shape the future of a liveable Sydney”

Nelly Berry, Project Director, Major Projects,
Sydney Water



The map is indicative and not to scale.

West Camden WRP upgrade explained



2x

Treatment capacity

That's the
equivalent of

6.5

Olympic sized
swimming pools



Increase our services
from 88,000 to

176,000 people

The West Camden WRP treats the wastewater of 88,000 people and also supplies recycled water for nearby agricultural use.

The plant is currently operating at full capacity and requires an upgrade in order to service growth in the catchment as well as maintain compliance of our Environment Protection Licence into the future.

The upgrade will double the treatment capacity of the current plant to be able to service 176,000 people and ensure sufficient capacity to service future growth in the catchment until 2046.

The upgrade involves:

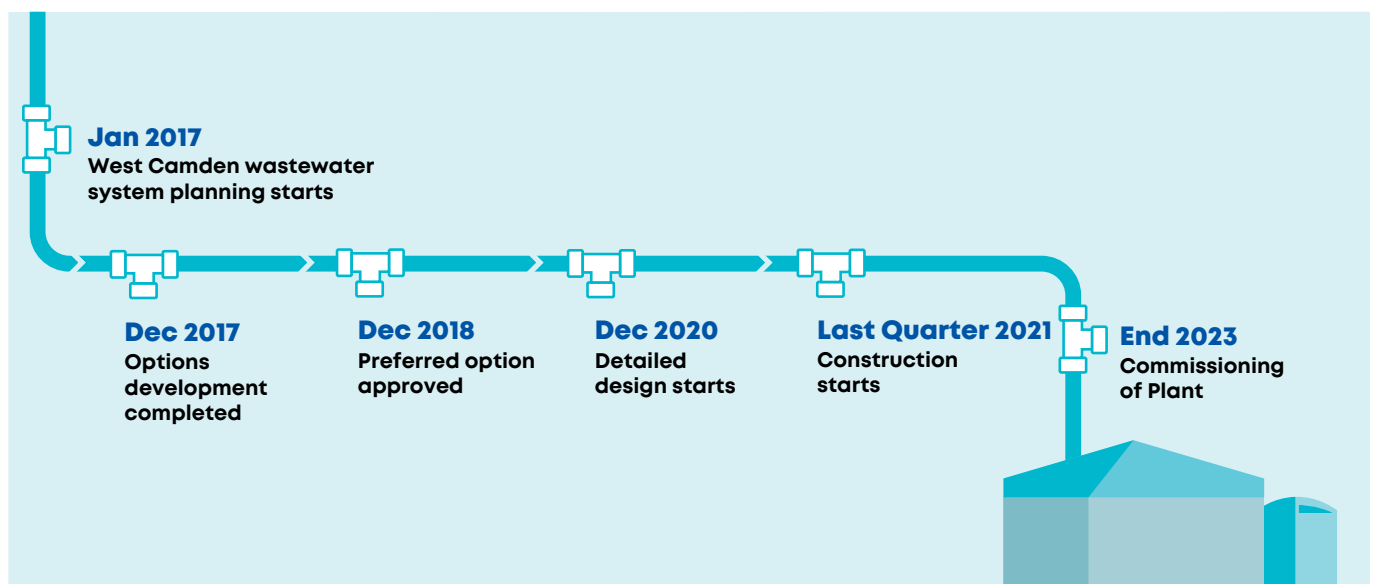
- building of new assets like a new Membrane Bio-Reactor (see page 4 for more details)
- decommission and re-purposing of existing assets
- implementing new technology.

Sydney Water has appointed Downer | BMD to deliver this project.

As mentioned before, most of the construction activities will happen on the plant's site. You may experience an increase in construction vehicle traffic around the plant and there will be some minor works to be done on the adjacent roads.

We will be working to reduce any potential impact during construction and will keep our neighbours informed at all times about the progress.

Timeline



Meet the Team: Mark Newland - Principal Process Design Engineer

A project, like the one being undertaken in West Camden, relies on incredibly smart, dedicated people. Mark Newland is one of them. His contributions often sit quietly in the background adhering to the old adage that if things are working well, they aren't seen. When we spoke to him he gave us some valuable insights into the project:

Tell us a bit about your role...

"I've been working in the industry for over 30 years and I've built on a track record of bringing new technology into the Australian water industry. What I try to bring to the table is innovative solutions, the best available technology and try to put that into a package, which is sustainable, cost-effective and offers ease of operation and maintenance."

What can you tell us about the works?

"The West Camden WRP is at capacity so the much-needed amplification will enable the site to meet more stringent future quality targets. This will enable Sydney Water to meet new environment protection licence conditions following the new Hawkesbury-Nepean River regulations."

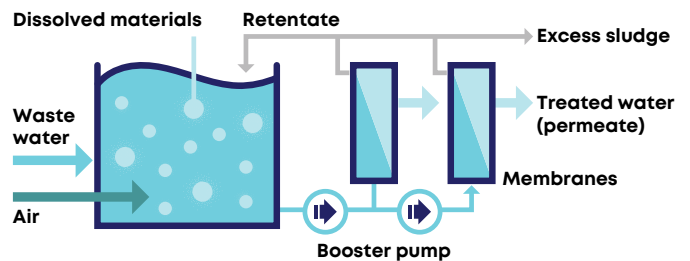
What will be the benefits to the community?

"The biggest community benefit would be that it's doubling the capacity of the existing treatment plant. So, what does that mean? It's ensuring that population growth in the Western Sydney area is environmentally sustainable. Both in the capacity that is providing

and the stringent effluent quality that it's going to be producing. And then there's the availability of high-quality recycled water for use in the local area as well."

What innovative technology is being utilised at the plant?

"Membrane Bio-Reactors' or 'MBRs' are what we're proposing for the upgrade of the West Camden WRP. The advanced advantage is that it's not just providing the biological treatment, which is the conventional approach, but it's also providing a very high level of filtration to remove (practically) all of the contaminants from the wastewater."



How will the work benefit the wider community?

"The protection of the environment is a key theme of the project. And that's why there was so much detailed and careful planning. People locally and in the Greater Sydney area can rest assured that Sydney Water is protecting their environment with the most modern technologies, as population growth continues."

"The protection of the environment is an overriding theme of the project"

Staying updated – on time, every time



Web:
www.sydneywatertalk.com.au/westcamden



Email:
WestCamdenWRP@sydneywater.com.au

Need to contact us on another matter? Call our Contact Centre on 13 20 92

We take both the privacy and security of your data seriously. To find out how we use and protect your data, please refer to the Sydney Water Privacy Policy on our website.