



Newsletter

September 2025

Quakers Hill Water Resource Recovery Facility (WRRF) Advanced Treatment Upgrade Project

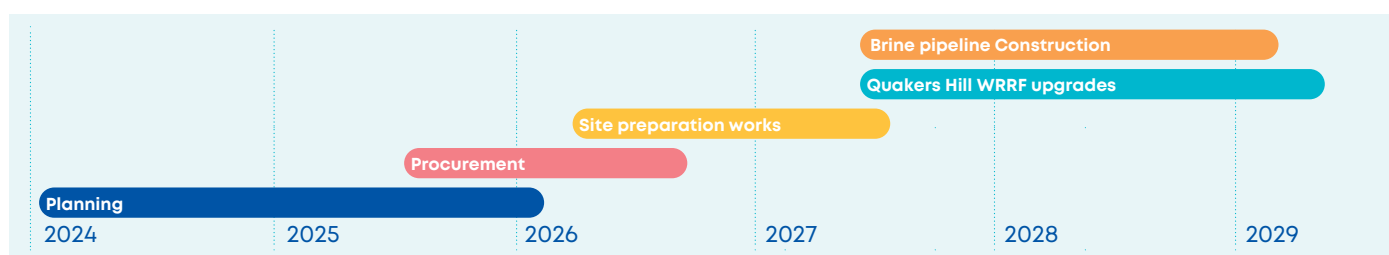
As our communities continue to grow, we're planning for the future. With Quakers Hill WRRF expecting to reach capacity in 2028, we are investing in upgrades to expand treatment capacity to service the job and housing growth of the area. These works will also ensure compliance with an updated environmental regulatory framework.

What we're planning

	Upgrading the current Quakers Hill WRRF to increase capacity and better support the growing community
	Constructing an Advanced Water Treatment Plant (AWTP) with technologies including ultrafiltration and reverse osmosis
	Construction of a new brine* pipeline that will connect to an existing wastewater system called the Northern Suburbs Outfall Sewer (NSOOS) in Seven Hills.
	Early site preparation and groundwork

*Brine is a by-product of the advanced water treatment process

Indicative project timeline



Timeline is subject to change.

Project benefits



Increase wastewater treatment capacity to support housing and job growth



Protect and enhance the health of our local waterways by improving the quality of water released into the environment



Improve the circular economy of our water, with the potential for local stakeholders to access recycled water for uses such as cooling, urban greening or supporting data centres



Provide flexibility and capacity to service alternative futures, such as beneficial re-use of water

Construction impacts



Drilling and trenching for pipelines



Temporary loss of access to walking paths and parks



Additional vehicle movements



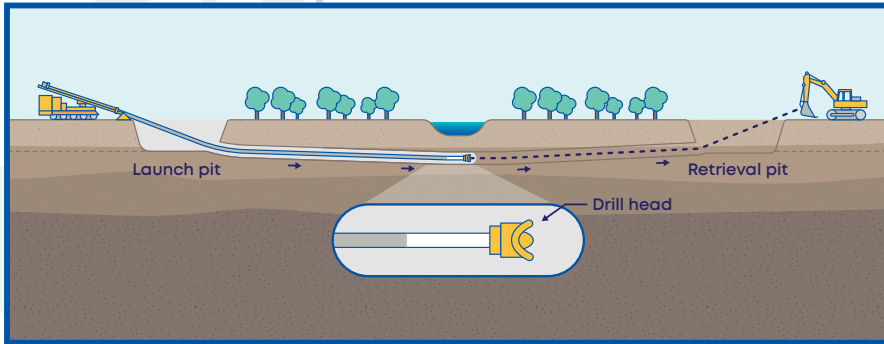
Temporary compounds in your local area



Noise, dust and light from construction



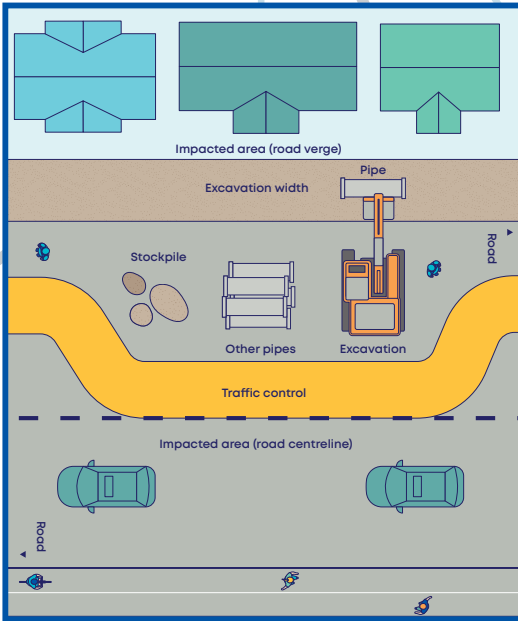
Minor vegetation clearance with offset opportunities



Trenchless construction

We'll use an underground drilling technique called Horizontal Directional Drilling (HDD). Site compounds for HDD work will be in Harvey Park, Marayong Park, Gate Road (Blacktown), Lynwood Park, the Blacktown Aquatic Centre car park and International Peace Park.

We will be setting up temporary compounds to launch and retrieve the underground drill. HDD construction can avoid impacts, but it does take a lot longer. Pipes also need to be welded together and strung out before being launched underground, which will also require temporary compounds.



Open trench construction

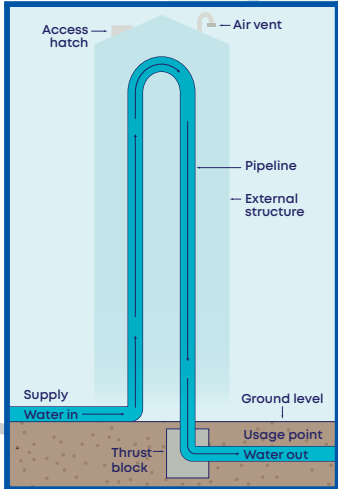
Open trench construction moves quickly by comparison to underground drilling. We can also work on separate sections at different times.

Provided good conditions, work can move between 12 and 24 metres a day.

Open trench construction will take place mostly during daylight hours. More detail on construction timing will be available once delivery contractor is appointed.

To reduce impacts to local vegetation and nearby properties, the planned pipeline will follow the footpath along Breakfast Creek, whilst avoiding any disturbance to the creek.

To minimise impacts on private properties, the pipeline is primarily being constructed on public land. Some sections will use HDD to avoid disruption to roads, railways and private land.



Barometric Loop

These assets ensure consistent water flow by regulating pressure within the pipes. Without them, sections of pipe could drain inconsistently due to changing pressure due to pipe depths.

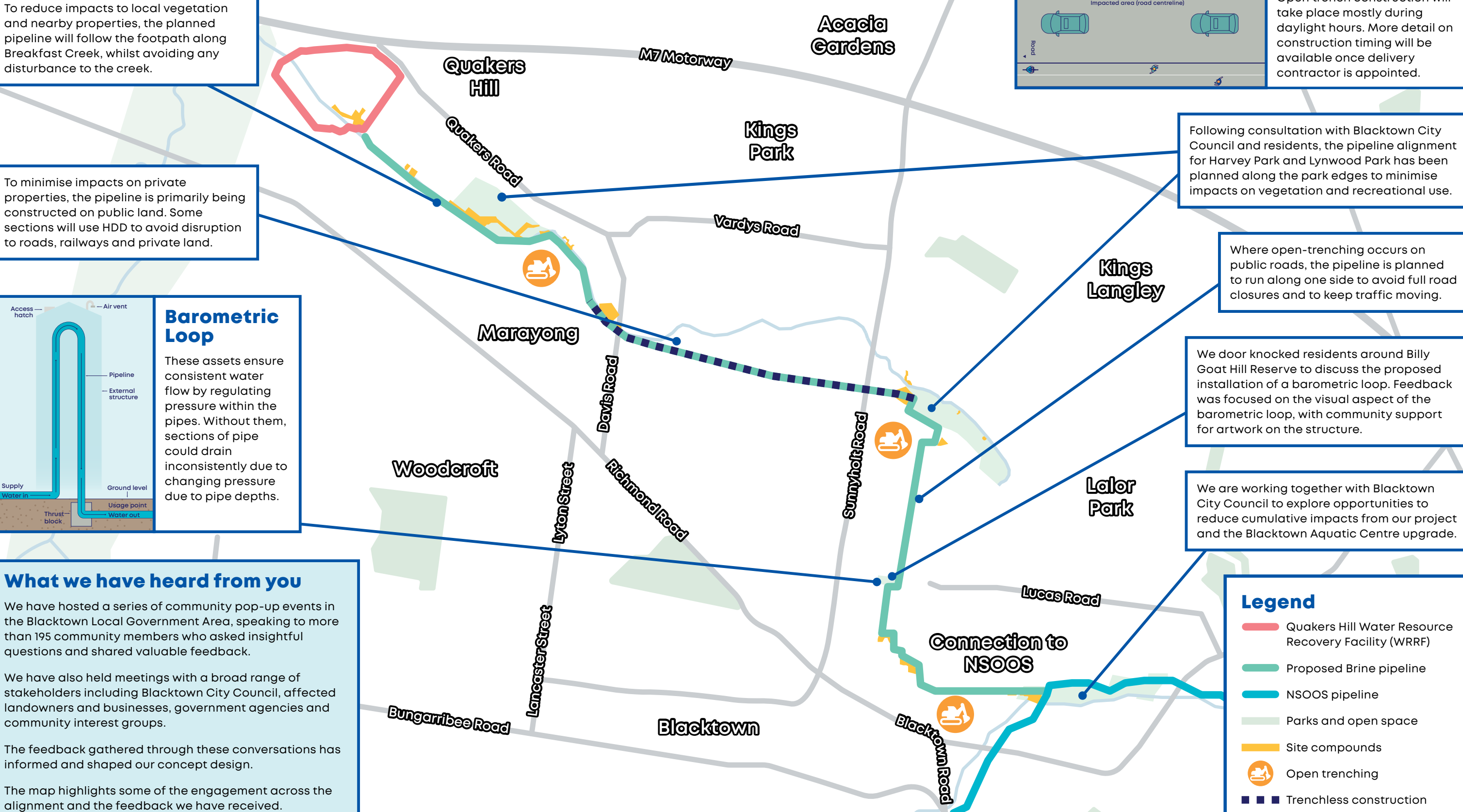
What we have heard from you

We have hosted a series of community pop-up events in the Blacktown Local Government Area, speaking to more than 195 community members who asked insightful questions and shared valuable feedback.

We have also held meetings with a broad range of stakeholders including Blacktown City Council, affected landowners and businesses, government agencies and community interest groups.

The feedback gathered through these conversations has informed and shaped our concept design.

The map highlights some of the engagement across the alignment and the feedback we have received.



Following consultation with Blacktown City Council and residents, the pipeline alignment for Harvey Park and Lynwood Park has been planned along the park edges to minimise impacts on vegetation and recreational use.

Where open-trenching occurs on public roads, the pipeline is planned to run along one side to avoid full road closures and to keep traffic moving.

We door knocked residents around Billy Goat Hill Reserve to discuss the proposed installation of a barometric loop. Feedback was focused on the visual aspect of the barometric loop, with community support for artwork on the structure.

We are working together with Blacktown City Council to explore opportunities to reduce cumulative impacts from our project and the Blacktown Aquatic Centre upgrade.

Legend

- Quakers Hill Water Resource Recovery Facility (WRRF)
- Proposed Brine pipeline
- NSOOS pipeline
- Parks and open space
- Site compounds
- Open trenching
- Trenchless construction

Next steps and how you can get involved?

Thank you to everyone who provided feedback as part of our planning process. Sydney Water is committed to ongoing engagement with the community.

As part of this project's planning and approval process a Review of Environmental Factors (REF) is prepared and displayed publicly. This document details the proposed works, assesses potential environmental impacts and outlines how we plan to reduce or manage those impacts.

The REF will be available for public comment from Tuesday 7 October to Tuesday 21 October 2025. Community and stakeholders will be able to view the REF on the project website and provide their feedback via email at quakershillwrrfupgrade@sydneywater.com.au

Contact us

If you have any further questions or feedback, our team is happy to help.

☎ 1800 172 263

✉ quakershillwrrfupgrade@sydneywater.com.au

🌐 <http://www.sydneywater.com.au/qhatu>

Interpreter Service 13 14 50

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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.

We will be hosting community pop-up events during the exhibition period to answer any questions and provide guidance on how to submit feedback.

Session 1

- Date: Wednesday, 8 October 2025
- Time: 2:30pm – 6:30pm
- Location: Corner of Flushcombe Rd and Main St, Blacktown

Session 2

- Date: Saturday, 11 October 2025
- Time: 9:00am – 2:00pm
- Location: Corner of Muru Way and Main St, Blacktown