

Ōtara wastewater upgrades

Improving the wastewater network in Ōtara

Summary of the project timeline

Work Area	Description of the work	Approx. start	Approx. duration
Early works – Service investigations	Service investigation works for slip lining works	Q3 2026	2-3 months
Sandbrook Reserve Pump Station Location – 37 Hannah Road	<p>The proposed pump station involves the construction of an above-ground plant, a containerised control room, biofilter, transformer, site access, and security fencing. Additionally, the project involves the construction of significant underground elements such as wet and dry wells, storage tanks, and connections into the existing pipe network.</p> <p>Landscaping and final finishes will ensure that the appearance of the pump station does not diminish the street's residential character.</p>	Q3 2026	12-14 months
Rising main – open trench Location – 37 Hannah Road to Ferguson Road	<p>The first section of the rising main is the installation of a 630mm diameter pipe from the Sandbrook Pump Station to Ferguson Road. The pipe will be installed via open trench method along the east side of Hannah Road and will include the construction of air and scour valve chambers.</p> <p>On the western corner of Hannah and Ferguson Roads this pipe will tie into the redundant Hunua 1 watermain.</p> <p>We will endeavour to minimise the impact on residents, traffic and pedestrians and to maintain access to properties along this section of the road.</p>	Q4 2026	9 months
Rising main – slip lining Location – along Ferguson and Bairds Road to 638 Great South Road	This next section of the rising main will follow the Hunua 1 watermain. We will use slip lining to pull a polyethylene pipe through the old watermain and repurpose it into a wastewater rising main. Slip lining is a trenchless technique used to construct a new pipeline of smaller diameter within an existing pipeline.	Q4 2026	12-14 months

Ōtara wastewater upgrades – summary of the project timeline continued

Rising main –
slip lining
Location – along
Ferguson and
Bairds Road to 638
Great South Road

This eliminates the need for open-cut trenches and thereby minimises disruption and reduces installation times. There will be several inlet and exit pits along the route to house the winch assembly and other equipment that will be used to pull the PE liner through the watermain. The gap between the liner and the watermain will then be filled with grout. Air and scour valve chambers will be constructed where necessary.

We will endeavour to minimise the impact on residents, business owners, traffic, and pedestrians at the pit locations.

Rising main –
directional drilling
Location – 638
Great South Road

At 638 Great South Road we will dig an entry pit and use a surface mounted directional drilling rig to push a string of steel drilling rods along a predetermined bore path underneath the Tāmaki Estuary to the exit pit in Billington Reserve. Here the steering head will be removed and the hole opener attached to the drilling rods. The PE pipeline can then be attached to the hole opener and the rig will pull the pipeline to the entry pit. The use of directional drilling is not only cost effective and time efficient it also minimise the environmental and social impact.

The final piece of construction work in this location involves the construction of a drop structure to accommodate the change in direction of the pipeline. This below ground structure will be covered by a concrete lid with air valve placed on top.

On completion of the work the entry and exit pits will be backfilled and reinstated to its former condition.

Q4
2026

3
months

Depending
of
redesign
works

End control station
and storage
capacity
Location –
Billington Reserve

At the existing Ōtara Pump Station in the Billington Reserve we will construct a new end control station, a pressure break chamber, a diversion chamber, and install seven storage tanks to increase the wastewater storage. Additionally, there will be connections and modifications to existing pipelines and chambers.

The contractor will use 25 Billington Road as their site offices and laydown area. During the construction period a section of the reserve will be fence off but a walkway will be provided alongside 25 Billington Road to allow residents to access the walkways on both sides of the reserve via the cul-de-sac.

Q3
2026

12
months