

# CENTRAL INTERCEPTOR BULLETIN

## Point Erin Park, Herne Bay site

The Central Interceptor is New Zealand's largest-ever wastewater tunnelling project. We're boring a 4.5m-wide tunnel 16.2 kilometres from Watercare's Māngere Wastewater Treatment Plant to Point Erin Park, Herne Bay. When it rains heavily, stormwater can combine with wastewater and overwhelm our pipes, overflowing together into our creeks and streams. When completed, the Central Interceptor will significantly reduce these overflows into our central Auckland waterways.

### About the Central Interceptor project

Watercare has a very active water supply and wastewater removal infrastructure programme. It is designed to both replace ageing systems and cater for population growth. The Central Interceptor was consented in 2012-14. The original tunnel route ended at Western Springs but consent to extend to Tawariki St was granted in 2019 and now we are on to Point Erin.

In 2019, Ghella Abergeldie Joint Venture (GAJV), was awarded the contract to build CI. The company combines more than 30 years of complex water and wastewater expertise in New Zealand and 150 years of Italian and international tunnelling experience and capability.

To create the 4.5m diameter tunnel, CI uses a German-made tunnel boring machine, named Hiwa-i-te-Rangi by local school students, after a Matariki star. She excavates 10-14m a day, at between 15m and 110m below the surface and lays concrete segments behind her. Once the boring is completed, so is the tunnel structure.

With another TBM, CI has also just completed boring two smaller (2m+-wide) sewers, totalling 4.3km. These will connect west Auckland networks to the main tunnel. Adding Point Erin, the project has 17 construction sites, all with deep shafts to help connect existing wastewater infrastructure to the CI tunnel.



An electric locomotive delivers tunnel segments to and removes spoil from the TBM

### About the Point Erin Park infrastructure works

The TBM will travel 1,530m from our Tawariki Street site to arrive 30m below the surface in a newly constructed shaft, not far from the pool.

This tunnel extension and new shaft will enable future projects to transfer wastewater into the CI tunnel, to take it away to the Māngere wastewater plant. Work in the park will begin in June 2024 and is expected to take two and a half years to complete.

We will build and line a 30m-deep, 10m-wide shaft before the arrival of the TBM in mid-2025. We will also build an air filtration system in the park, to expel excess air when the tunnel fills with stormwater.

The work at the top of the park is the sole construction site for the Central Interceptor project. There has been a lot of recent discussion about other wastewater works in the area, such as in the southwest corner of the park. These potential future works are still being planned and when more information is available, Watercare will be in touch with those details.

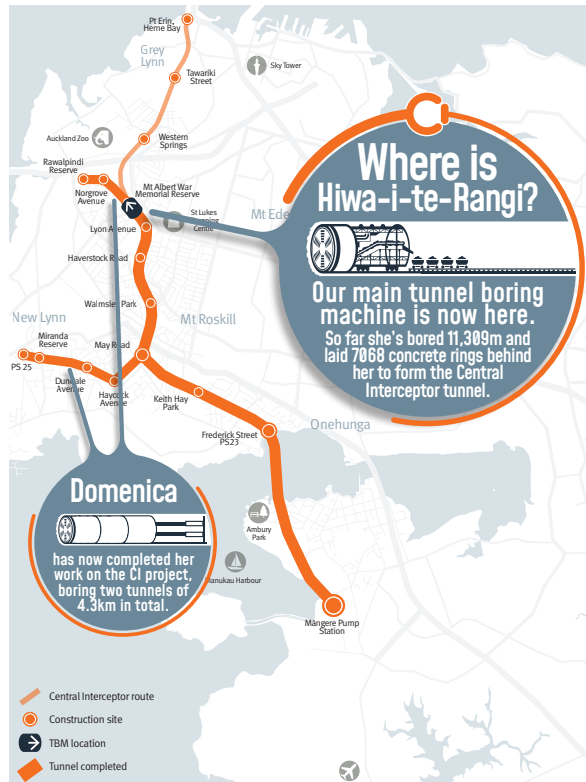


Point Erin Park construction site layout

## Tunnel progress

Check out our website which now has a weekly update of the TBM's progress. <https://www.watercare.co.nz/Central-interceptor/Constructing-the-Central-Interceptor>.

You can also follow us on Facebook, or Instagram.



## How it will affect you

The first activity will include site establishment including erecting security fencing and moving buildings and machinery to site. Once the site is established, we will focus on excavation.

Many different activities take place during construction and the site may appear busier at times with less activity and fewer staff at other times. Traffic management staff will be on-site to ensure the safety of pedestrians and truck movement as needed.

## Working with you

We understand that construction sites for major projects such as the Central Interceptor can sometimes be disruptive and noisy at times. We aim to be a good neighbour while working in your area and will work to minimise disruption, where we can.

We will keep you informed about what is happening with regular communications. We will be out and about in the neighbourhood during the work to keep in contact about how the construction is progressing.

- Our general hours of work are between 7am to 6pm, Monday to Friday, and 8am to 6pm on Saturdays if needed. There may be times when unexpected ground conditions or certain activities, such as critical concrete pours, may require us to work past the general work hours. This will comply with Auckland Council's permit rules.
- Construction projects such as these often generate noise and vibration, which you may experience if you are home during these hours. We undertake careful planning and monitoring in accordance with Council requirements.
- We use noise barriers and fencing to minimise general construction noise wherever possible.
- Traffic management will be in place for the safety of motorists, pedestrians, pool users and school children, and stop-go measures will be used as needed.
- You will always have access to the park and the pool.

## Meet the Contractor

We would like to invite you to join us for a sausage sizzle and to meet our contractor, Ghella Abergeldie Joint Venture (GAJV). This is your opportunity to come and find out more about the project and how we will work with you while we are in your neighbourhood. You can discuss the Point Erin construction site activities and ask our specialists questions.

**Where:** in the park adjacent to the pool carpark

**When:** Saturday 13 July 2024

**Time:** 10am to 12 noon



## Any questions?

For up to date information please see our website:

[www.centralinterceptor.co.nz](http://www.centralinterceptor.co.nz)

You can also email us at:

[ciproject@ga-jv.com](mailto:ciproject@ga-jv.com)

Or phone:

0800 GAJV 02 (0800425802)

Follow us:

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We encourage you to receive these updates electronically - send us your email, your current mailing address and quote "Sign me up: Pt Erin site bulletin" to [ciproject@water.co.nz](mailto:ciproject@water.co.nz)