

CENTRAL INTERCEPTOR BULLETIN

May Road site, 54 Roma Road and 105 May Road

We're building the Central Interceptor, a super-sized wastewater tunnel to reduce overflows, creating a better environment for you to enjoy.

Site update

May Road is now our main operational site for tunnelling, storage and loading of tunnel segments and spoil removal to Puketutu Island (in the Manukau Harbour, where we are helping to restore this former quarry into a recreation park). We work in and out of Shaft B at the site.

Tunnelling

Hiwa-i-te-Rangi has just passed by our Mt Albert War Memorial Reserve site at 35-40m below ground, on her 1.7km journey to our Western Springs site. We undertake strict instrumentation and monitoring of surface settlement, especially as we are about to pass beneath the main rail line through Mt Albert.

Wilsons has completed its production of the more than 60,000 concrete segments (10,000+ rings) for the tunnel, including for the extension to Point Erin. The segments are all stored in our laydown area at Roma Rd.

Southern tunnel section (MPS to May Rd)

Shaft A is being prepared for connection into the southern section of the tunnel for commissioning late this year. Welding of the Corrosion Protection Lining (CPL) has been completed. The CPL is the secondary protection for the concrete segments against the acidic sewage environment when the tunnel is operating.

Northern tunnel section (May Rd to Pt Erin)

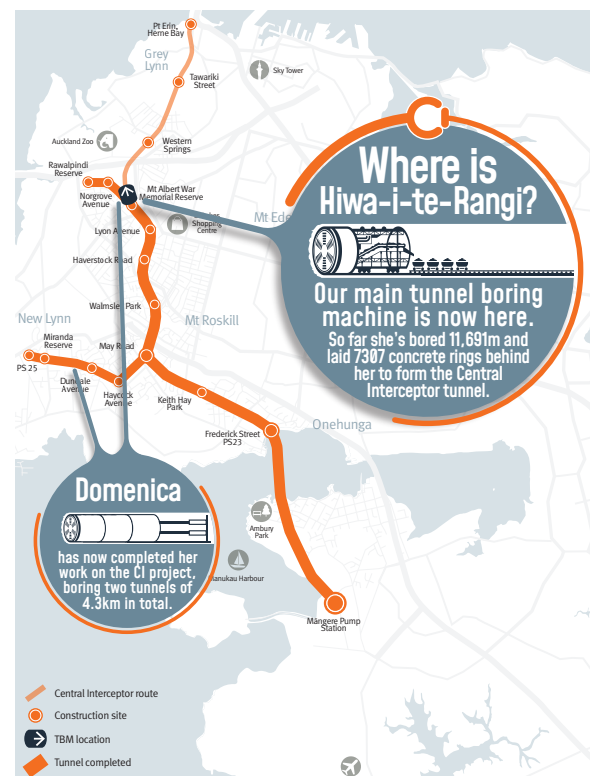
Since the recommencement of 24/7 operations, the TBM has steadily increased her metres per month, with an average of more than 600m bored for both April and May. For the first three months of the year, we had been tunnelling for 24 hours for 5.5 days, as some members of the tunnelling team worked on completing the southern section, from MPS to May Rd. That crew has now rejoined the TBM team to increase our hours to full-time.



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.



TELL US HOW YOU REALLY FEEL

Take the online survey at: www.watercare.co.nz/aucklandprojects or scan the QR code



What's next

We are in full planning mode for commissioning the southern section of the tunnel by year-end, with major connection works in the tunnel to Shaft A. The commissioning also includes Link Sewer C, running 3.2km from our Pump Station 25 in Miranda Reserve, Avondale, to May Rd. As part of the work, we will also commence work on the connection ducts from the Air Treatment Facility (ATF) into Shaft A.

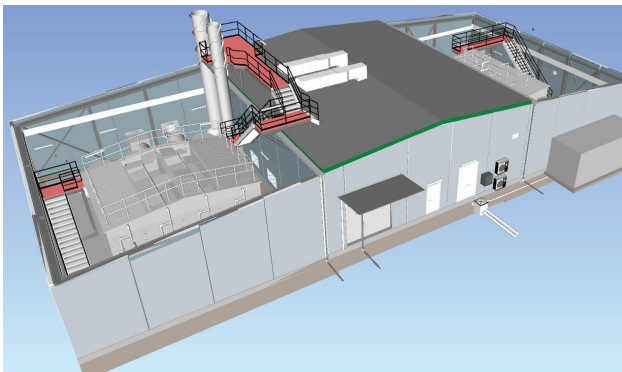
What happens to the air in the tunnel?

With all the facts and figures about how much wastewater the CI tunnel can hold, we don't often mention that it also fills up with air.

As more wastewater flows into the tunnel, it pushes out the polluted air in the tunnel. This volume of air also needs to be planned for and managed. To enable us to do so, we are building two air treatment facilities (ATFs) along the tunnel. These are at May Rd, Mt Roskill and at the Māngere pump station, with resource consent to construct a future ATF at Western Springs.

These ATFs will play a crucial role in maintaining public health and environmental quality. Properly treated sewer air contributes to cleaner air quality and reduces the risk of nuisance odours. ATFs help minimise the spread of pathogens and mitigate odorous gases coming out of the tunnel. They use advanced technologies to capture, treat and remove harmful gases such as hydrogen sulphide (H_2S) and ammonia (NH_3). Air scrubbers neutralise these compounds through biological and chemical screens, limiting their release into the atmosphere.

As the CI tunnel runs under some of the densest housing areas of Auckland it is important to treat this air so we can all enjoy our city's open spaces.



Air Treatment Facility (ATF): Comprises a two-part process consisting of a Bio Tricking Filter (BTF) and an Activated Carbon (AC) polishing stage.

Any questions?

For up to date information please see our website:

 www.centralinterceptor.co.nz

You can also email us at:

 ciproject@ga-jv.com

Or phone:

 **0800 GAJV 02 (0800425802)**

Follow us:

 [@gajv_nz](https://www.instagram.com/gajv_nz)

 [@GAJV](https://www.linkedin.com/company/gajv)

Who it takes to build the Central Interceptor

The Central Interceptor project stretches across 17 sites from Māngere to Pt Erin, Herne Bay. Each of these sites has a team of people working on various activities and construction stages. There are numerous jobs on this project, each requiring different skills, backgrounds, experience and qualifications. This regular feature will give some insight into one of the many important roles on the project.

Stakeholder Advisor

What does a Senior Stakeholder Advisor do?

A Stakeholder Advisor is the local face of the project. We are the people you meet first to tell you all about the project and how it might affect the neighbours. We are responsible for keeping all our stakeholders, including neighbours and other interested parties informed about what's happening on our sites and the CI project.



What qualifications do you need to be a Senior Stakeholder Advisor?

There is no formal qualification to be a stakeholder advisor. There are many courses that you can do in stakeholder engagement but ultimately you need to be able to build relationships and be good at problem solving on the go. Communication qualifications are always a bonus as the job is all about communicating with people.

What are some of the daily activities of a Senior Stakeholder Advisor?

No two days are ever the same on the project. The role is extremely varied and that is what keeps it interesting. One day we are writing and delivering bulletins like this and the next we are putting up signs and asking people to move their cars so our large equipment can enter the site.

We also get to do some cool things like talk to local schools and community groups about how amazing our project is. We run open days on weekends so the public so can see all the amazing things that our site teams are doing.

Unfortunately, with a project this complex, we sometimes have to deal with complaints, so when this happens, we work with the teams involved to make sure we are doing everything we can to reduce the impact on our neighbours.

What are the challenges of this role?

The biggest challenge is we never fully know what is under the ground until we start excavating. Sometimes this means that plans change quickly and we need to go back to people and let them know plans have changed. Sometimes this means lots of door knocking, texts and phone calls and solving problems as they arise.

Is there anything about this role that would surprise people?

We start talking with our neighbours long before the construction starts. We know most of our neighbours and their families by name and we always love to stop to say hello when we see them.



We encourage you to receive these updates electronically - send us your email, your current mailing address and quote "Sign me up: May Road site bulletin" to ciproject@water.co.nz